

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\  
 Data File : VN062185.D  
 Acq On : 29 Jun 2020 14:05  
 Operator : JC/MD  
 Sample : VN0629MBS01  
 Misc : 5.00µL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0629MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 6/30/2020 10:43:34 AM

Quant Time: Jun 30 04:55:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 24 15:33:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 233898   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 415019   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 383978   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 171222   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65  | 168894   | 51.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.90% |      |
| 35) Dibromofluoromethane  | 7.54   | 113 | 132552   | 49.78 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.56%  |      |
| 50) Toluene-d8            | 10.06  | 98  | 518415   | 48.71 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.42%  |      |
| 62) 4-Bromofluorobenzene  | 12.37  | 95  | 176146   | 48.99 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.98%  |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 47038  | 17.792  | ug/l | 99     |
| 3) Chloromethane              | 2.03 | 50  | 59557  | 18.286  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.16 | 62  | 72746  | 17.472  | ug/l | 98     |
| 5) Bromomethane               | 2.53 | 94  | 50815  | 18.884  | ug/l | 97     |
| 6) Chloroethane               | 2.67 | 64  | 50828  | 17.871  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 90333  | 17.608  | ug/l | 99     |
| 8) Diethyl Ether              | 3.37 | 74  | 36627  | 20.446  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.71 | 101 | 51866  | 19.306  | ug/l | 99     |
| 10) Methyl Iodide             | 3.90 | 142 | 59912  | 19.802  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 48346  | 102.585 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.69 | 96  | 50749  | 18.896  | ug/l | 97     |
| 13) Acrolein                  | 3.56 | 56  | 40753  | 88.323  | ug/l | 98     |
| 14) Allyl chloride            | 4.27 | 41  | 75019  | 20.516  | ug/l | 99     |
| 15) Acrylonitrile             | 4.93 | 53  | 133849 | 104.224 | ug/l | 99     |
| 16) Acetone                   | 3.77 | 43  | 110148 | 104.553 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.00 | 76  | 141166 | 18.383  | ug/l | 100    |
| 18) Methyl Acetate            | 4.28 | 43  | 56507  | 21.656  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 176580 | 20.576  | ug/l | 99     |
| 20) Methylene Chloride        | 4.50 | 84  | 62667  | 20.670  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96  | 56198  | 18.368  | ug/l | 98     |
| 22) Diisopropyl ether         | 5.90 | 45  | 173516 | 20.841  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.84 | 43  | 707676 | 104.109 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.79 | 63  | 106627 | 19.888  | ug/l | 100    |
| 25) 2-Butanone                | 6.79 | 43  | 162787 | 101.464 | ug/l | 94     |
| 26) 2,2-Dichloropropane       | 6.77 | 77  | 85093  | 19.047  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.77 | 96  | 65969  | 19.161  | ug/l | 99     |
| 28) Bromochloromethane        | 7.15 | 49  | 44718  | 19.224  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.16 | 42  | 110087 | 104.750 | ug/l | 99     |
| 30) Chloroform                | 7.33 | 83  | 106058 | 19.444  | ug/l | 94     |
| 31) Cyclohexane               | 7.61 | 56  | 87978  | 19.400  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 86355  | 18.773  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 79040  | 18.947  | ug/l | 96     |
| 37) Ethyl Acetate             | 6.88 | 43  | 72295  | 20.929  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 72869  | 18.528  | ug/l | 97     |

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 Sample : VN0629MBS01  
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0629MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 6/30/2020 10:43:34 AM

Quant Time: Jun 30 04:55:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 24 15:33:00 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 89007    | 19.473  | ug/l   | 99       |
| 40) Benzene                    | 8.00  | 78   | 241768   | 19.015  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.13  | 41   | 26499m   | 16.547  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 86885    | 20.225  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.12  | 43   | 116380   | 20.668  | ug/l # | 90       |
| 44) Trichloroethene            | 8.80  | 130  | 59269    | 18.479  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 62748    | 20.004  | ug/l   | 98       |
| 46) Dibromomethane             | 9.17  | 93   | 41968    | 19.733  | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.37  | 83   | 83787    | 19.512  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.17  | 41   | 51337    | 20.333  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.17  | 88   | 22762    | 406.533 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 343195   | 104.315 | ug/l   | 100      |
| 52) Toluene                    | 10.12 | 92   | 150520   | 19.402  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 93258    | 19.740  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 103080   | 20.494  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 61452    | 20.151  | ug/l   | 100      |
| 56) Ethyl methacrylate         | 10.40 | 69   | 82296    | 20.221  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 105090   | 20.021  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 153952   | 99.229  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.72 | 43   | 248010   | 104.395 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.87 | 129  | 62010    | 19.206  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 59982    | 19.142  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.60 | 164  | 48181    | 18.369  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.40 | 112  | 160335   | 19.015  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 58134    | 19.938  | ug/l   | 96       |
| 67) Ethyl Benzene              | 11.48 | 91   | 276993   | 19.450  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.59 | 106  | 212975   | 38.665  | ug/l   | 98       |
| 69) o-Xylene                   | 11.92 | 106  | 102037   | 19.634  | ug/l   | 97       |
| 70) Styrene                    | 11.94 | 104  | 164127   | 18.936  | ug/l   | 98       |
| 71) Bromoform                  | 12.10 | 173  | 39821    | 19.208  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.22 | 105  | 264734   | 19.974  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.05 | 43   | 91860    | 20.912  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 88600    | 20.088  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 73807m   | 18.311  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 62925    | 19.123  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.56 | 91   | 309039   | 20.384  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 181569   | 19.811  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 220147   | 20.490  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 27168    | 19.684  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 188919   | 19.933  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 185517   | 20.176  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 221365   | 20.629  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.15 | 105  | 253388   | 20.855  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 222284   | 20.882  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 113027   | 19.561  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 112495   | 18.887  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.59 | 91   | 186611   | 21.086  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.85 | 117  | 42197    | 20.204  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 109021   | 19.457  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 14413    | 20.399  | ug/l   | 97       |

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Sample : VN0629MBS01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

Manual Integrations  
APPROVED

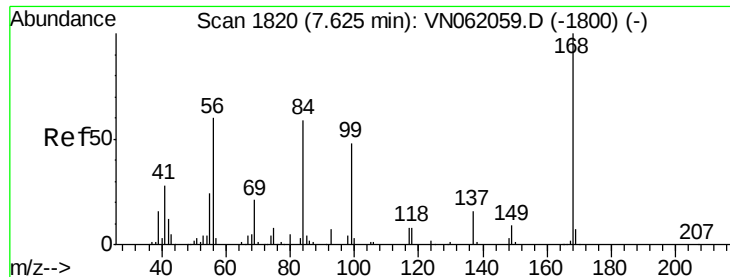
MMDadoda  
6/30/2020 10:43:34 AM

Quant Time: Jun 30 04:55:48 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 24 15:33:00 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 49258    | 20.124 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 23631    | 22.228 | ug/l  | 100      |
| 95) Naphthalene            | 15.10 | 128  | 138558   | 19.616 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 49085    | 19.612 | ug/l  | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

ClientSampled :

VN0629MBS01

Tot Ion:168 Resp: 233898

Ion Ratio Lower Upper

168 100

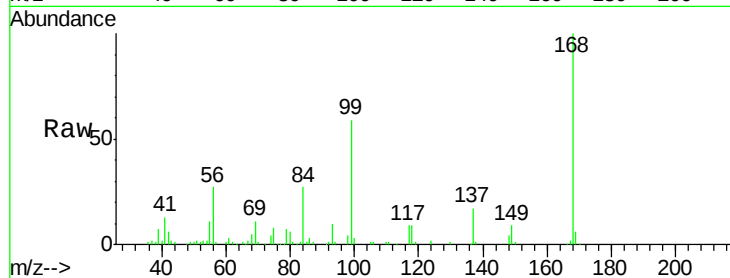
99 58.6 45.8 68.8

Manual Integrations

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6/30/2020 10:43:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

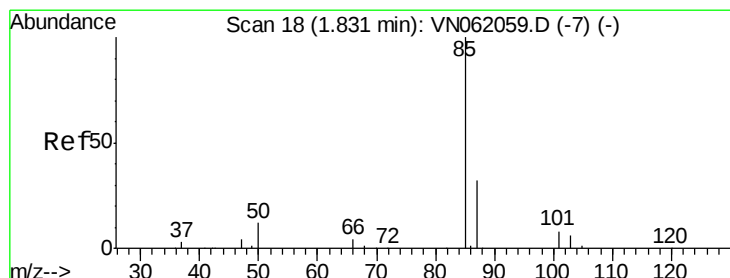
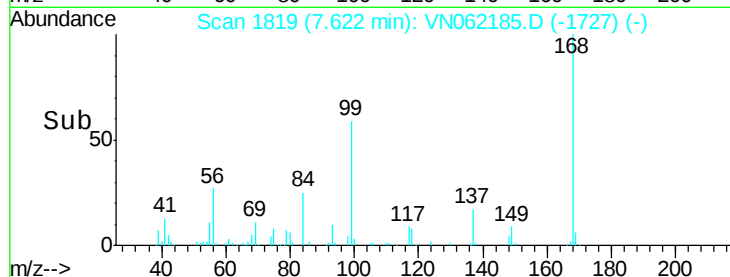
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 17.792 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062185.D

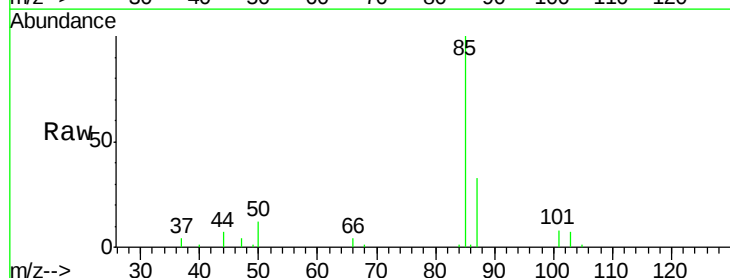
Acq: 29 Jun 2020 14:05

Tgt Ion: 85 Resp: 47038

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

40000

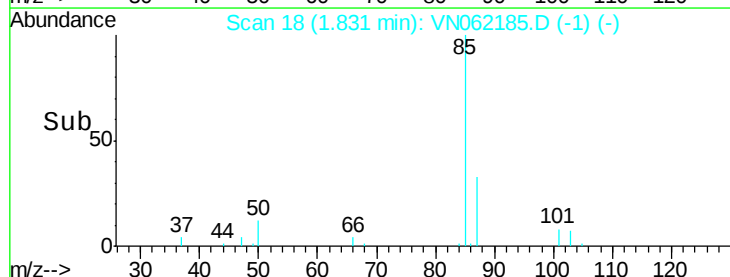
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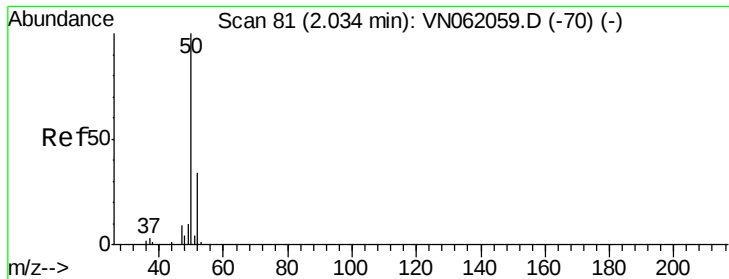
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 18.286 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0629MBS01

Tot Ion: 50 Resp: 59557

Ion Ratio Lower Upper

50 100

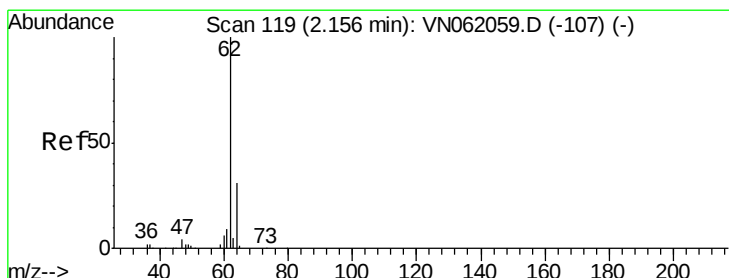
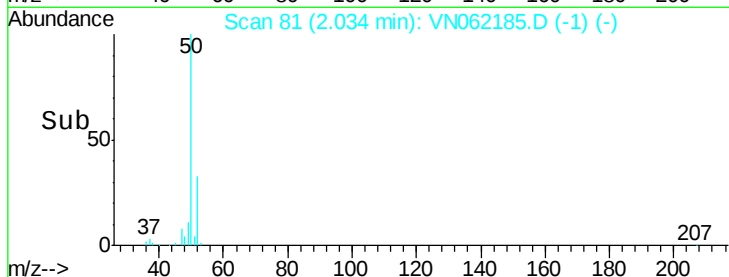
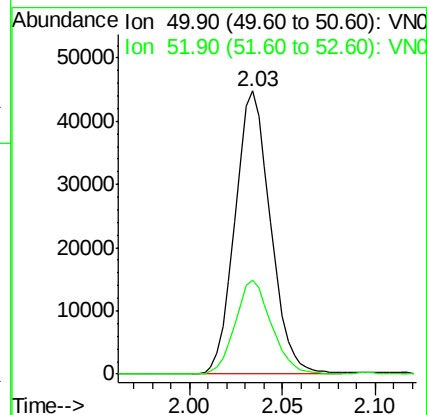
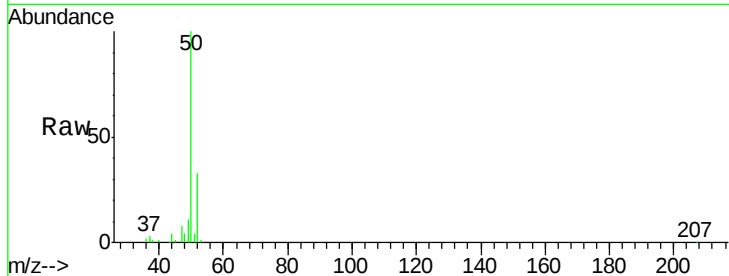
52 33.2 27.0 40.6

Manual Integrations

APPROVED

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6/30/2020 10:43:34 AM



#4

Vinyl Chloride

Concen: 17.472 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062185.D

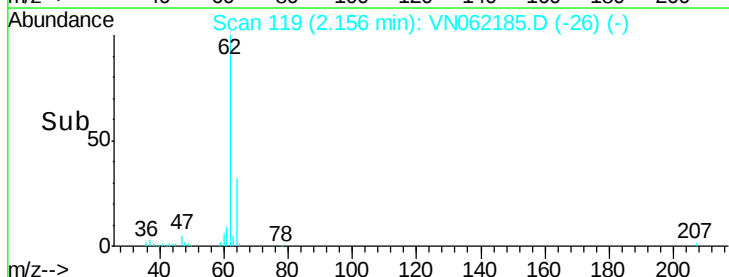
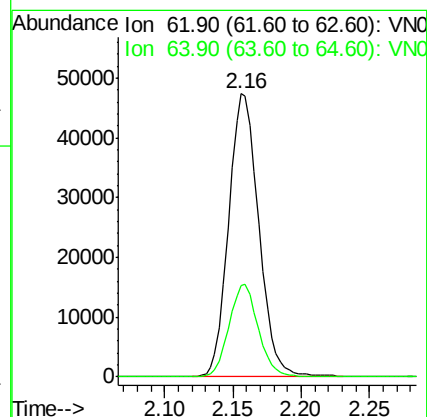
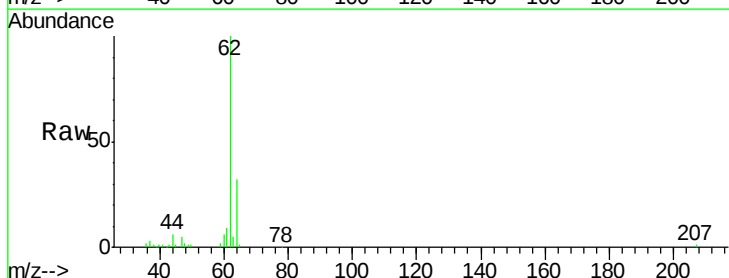
Acq: 29 Jun 2020 14:05

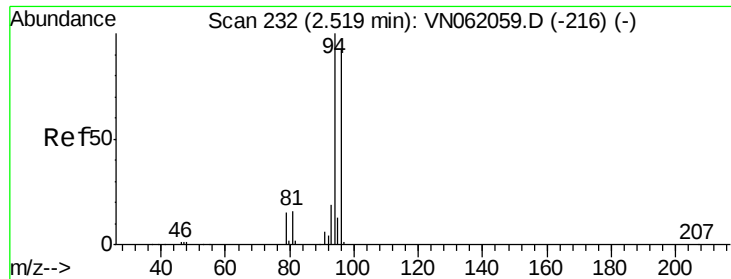
Tgt Ion: 62 Resp: 72746

Ion Ratio Lower Upper

62 100

64 32.4 25.1 37.7





#5

Bromomethane

Concen: 18.884 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0629MBS01

Tot Ion: 94 Resp: 50815

Ion Ratio Lower Upper

94 100

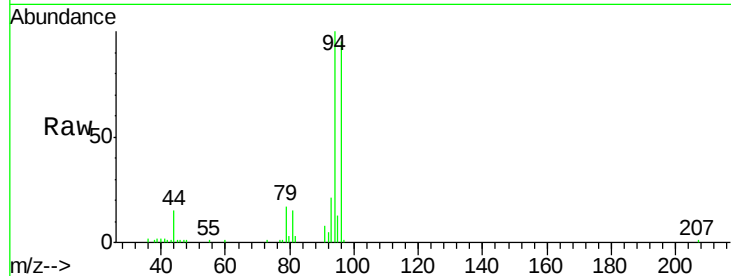
96 94.3 73.4 110.2

Manual Integrations

APPROVED

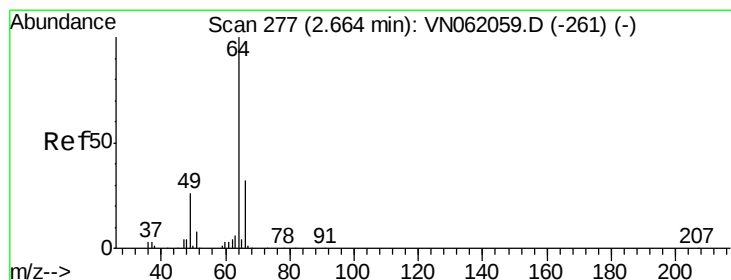
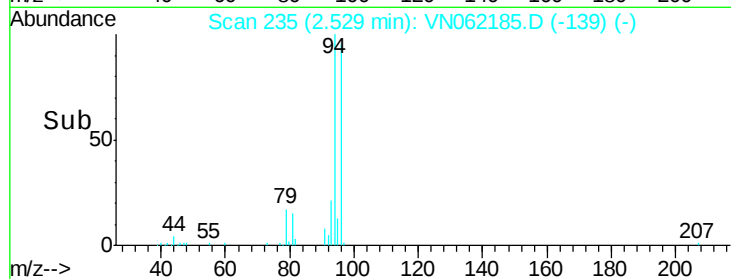
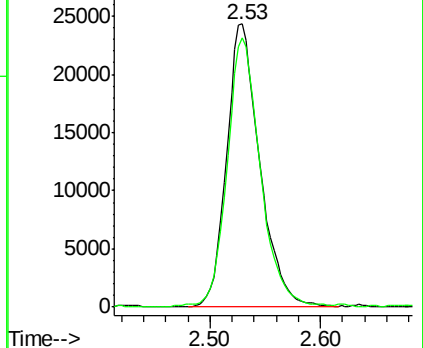
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.871 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062185.D

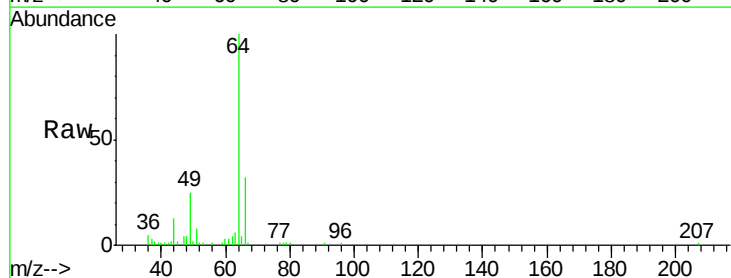
Acq: 29 Jun 2020 14:05

Tgt Ion: 64 Resp: 50828

Ion Ratio Lower Upper

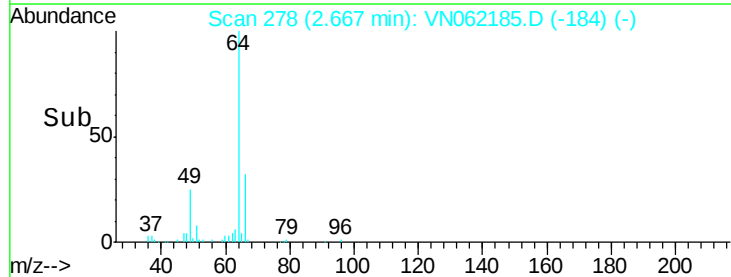
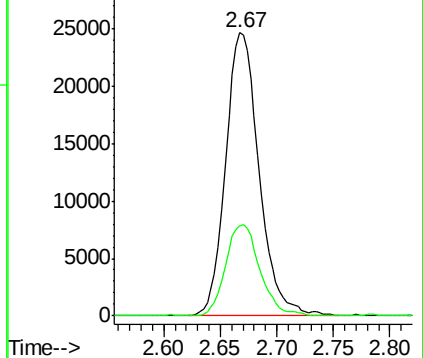
64 100

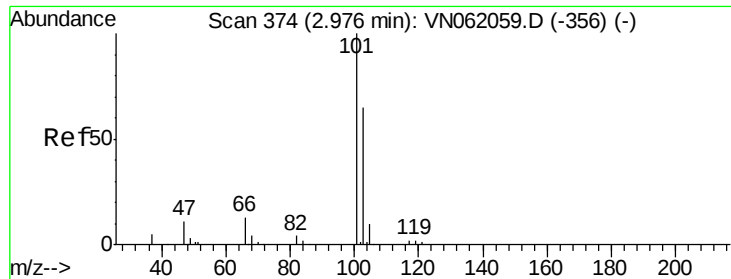
66 31.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

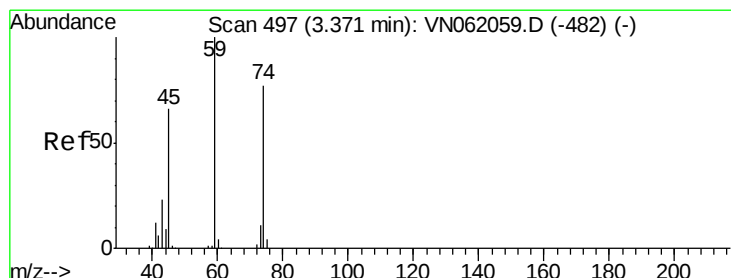
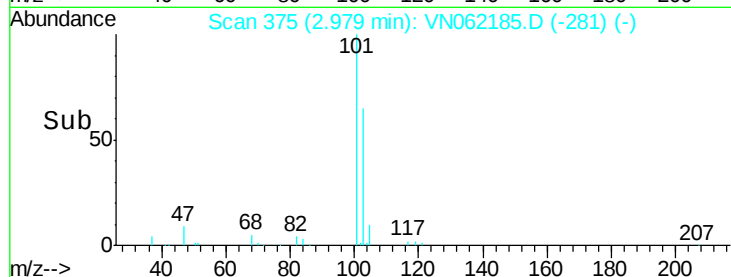
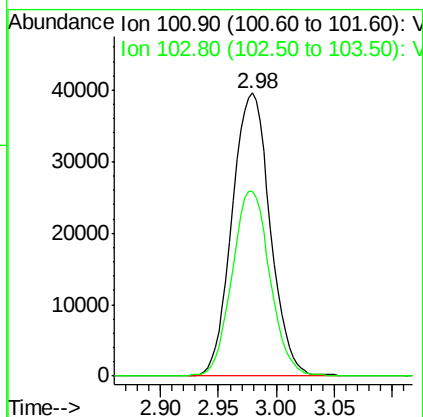
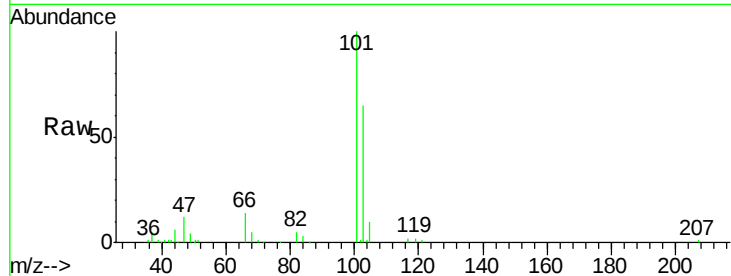
Trichlorofluoromethane  
Concen: 17.608 ug/l  
RT: 2.98 min Scan# 375  
Delta R.T. 0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.1  | 51.8  | 77.6  |

Manual Integrations  
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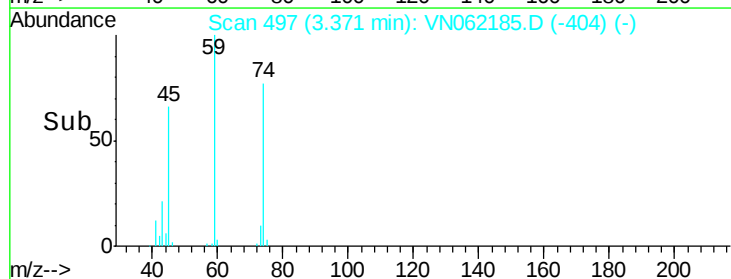
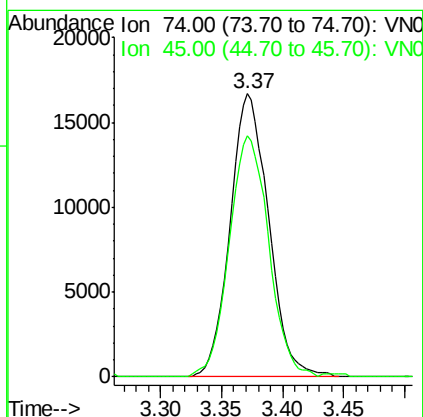
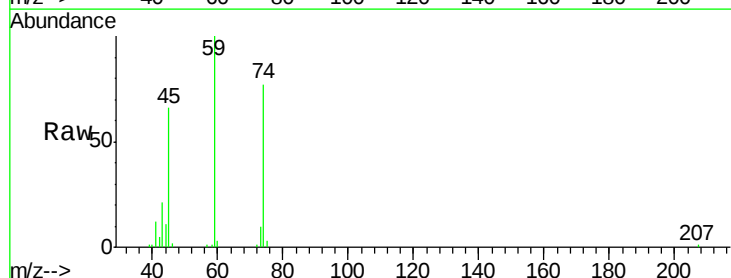
MMDadoda  
6/30/2020 10:43:34 AM

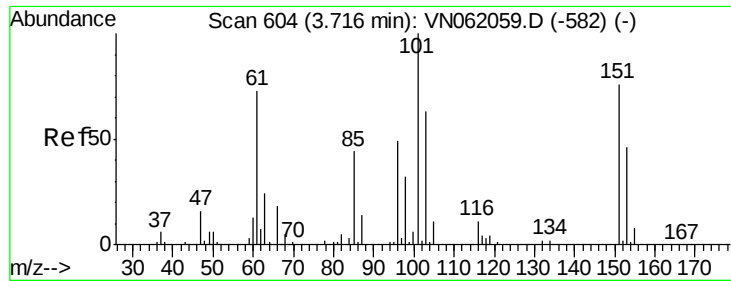


#8

Diethyl Ether  
Concen: 20.446 ug/l  
RT: 3.37 min Scan# 497  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 87.2  | 42.5  | 127.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.306 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

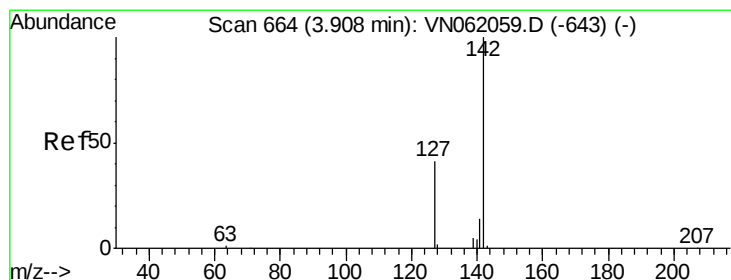
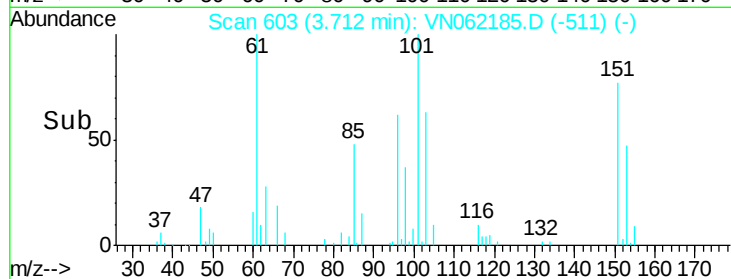
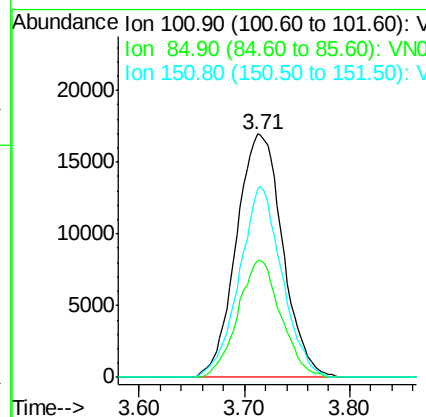
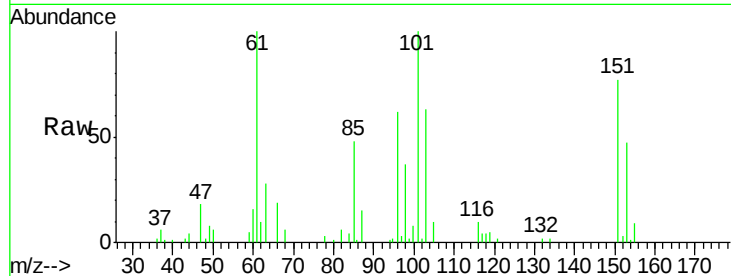
ClientSampleId :

VN0629MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 51866 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.5  | 34.5  | 51.7  |
| 151       | 72.1  | 57.8  | 86.8  |

Manual Integrations  
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MMDadoda  
6/30/2020 10:43:34 AM



#10

Methyl Iodide

Concen: 19.802 ug/l

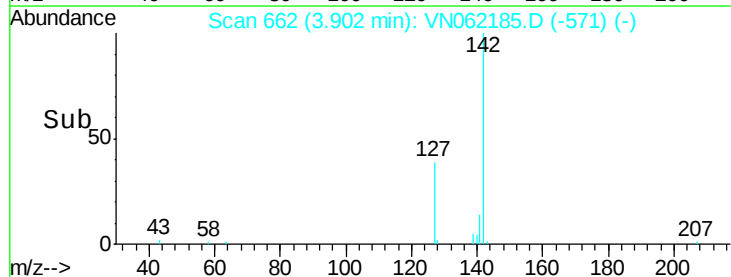
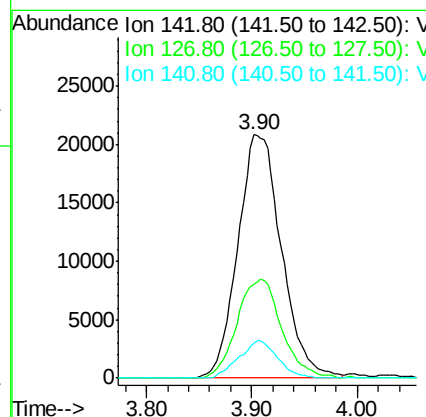
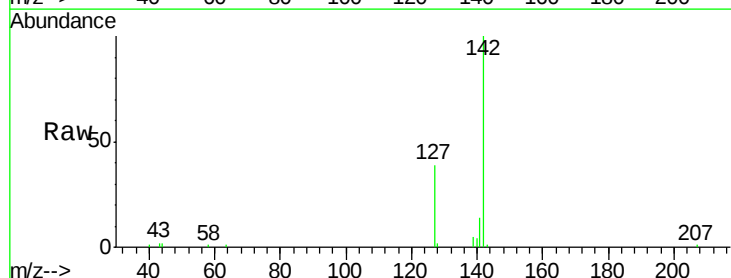
RT: 3.90 min Scan# 662

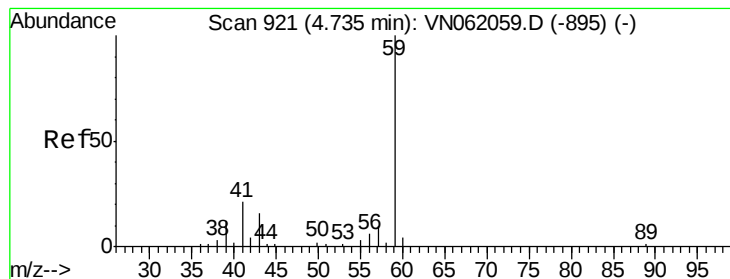
Delta R.T. -0.01 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 59912 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.4  | 33.6  | 50.4  |
| 141       | 13.6  | 11.3  | 16.9  |





#11

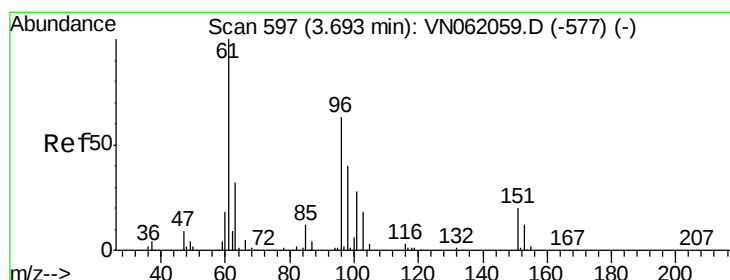
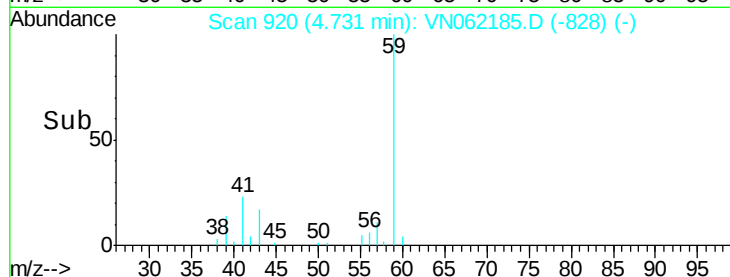
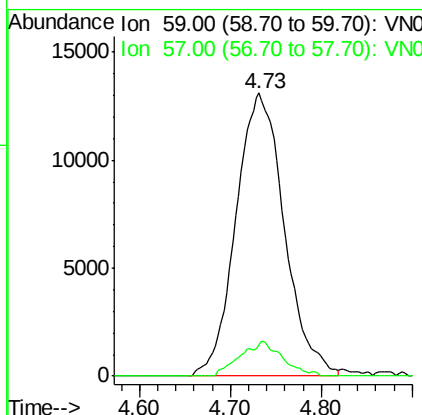
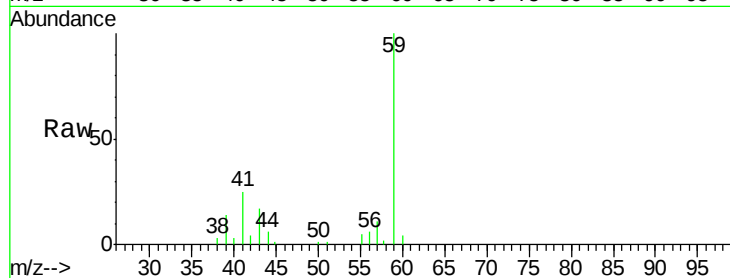
Tert butyl alcohol  
 Concen: 102.585 ug/l  
 RT: 4.73 min Scan# 920  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.6  | 8.3   | 12.5  |

Manual Integrations  
 APPROVED

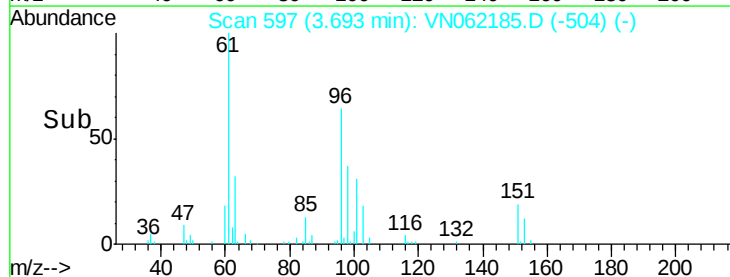
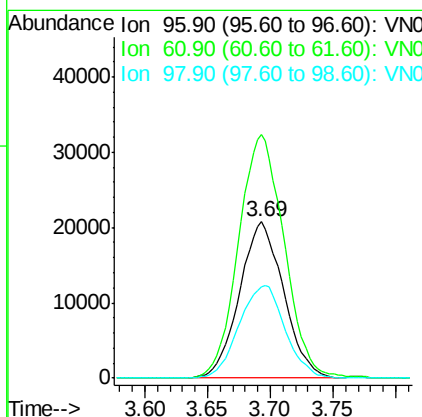
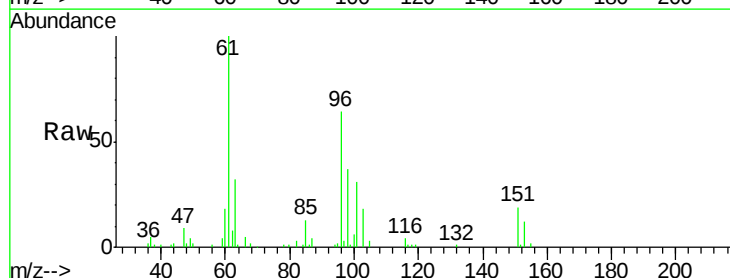
MMDadoda  
 6/30/2020 10:43:34 AM

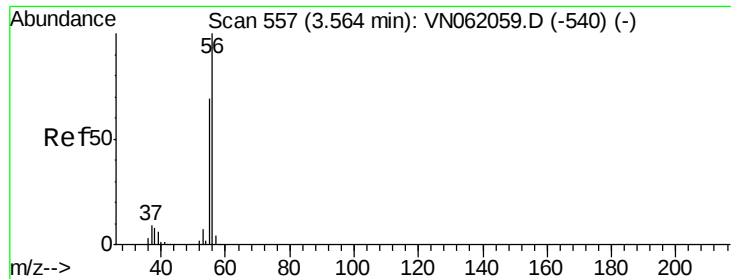


#12

1,1-Dichloroethene  
 Concen: 18.896 ug/l  
 RT: 3.69 min Scan# 597  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 156.1 | 126.7 | 190.1 |
| 98      | 58.4  | 51.0  | 76.4  |





#13

Acrolein

Concen: 88.323 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0629MBS01

Tot Ion: 56 Resp: 40753

Ion Ratio Lower Upper

56 100

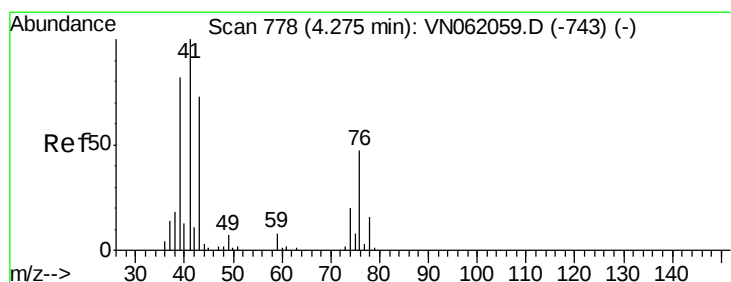
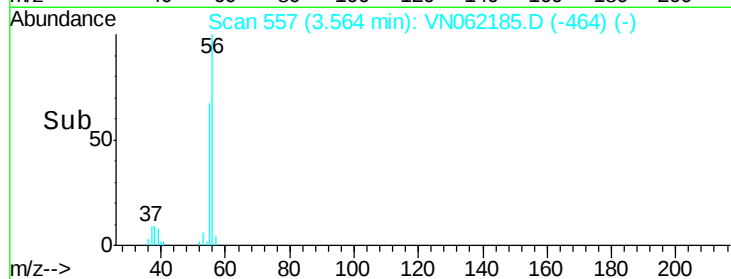
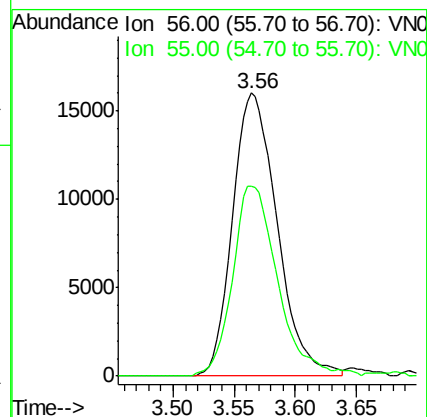
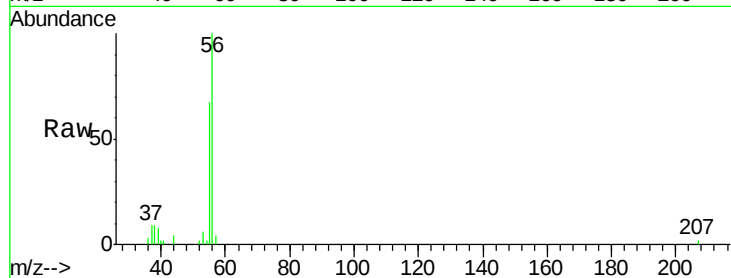
55 67.8 55.5 83.3

Manual Integrations

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6/30/2020 10:43:34 AM



#14

Allyl chloride

Concen: 20.516 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

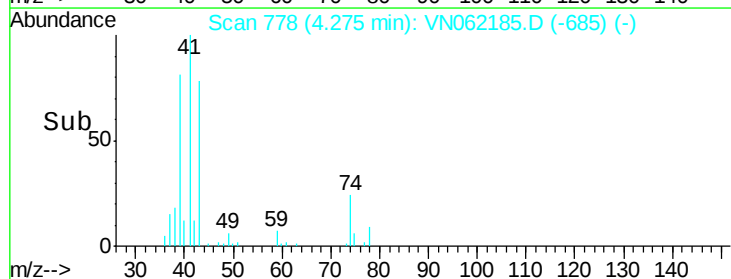
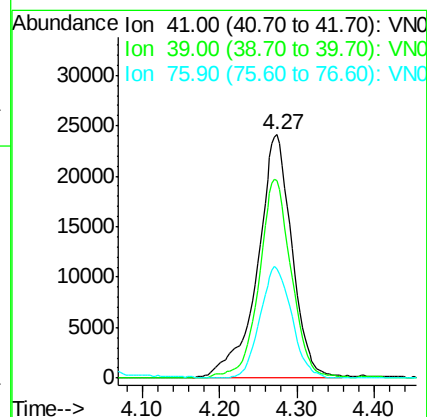
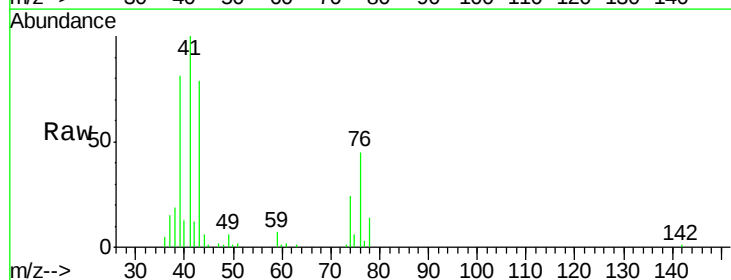
Tgt Ion: 41 Resp: 75019

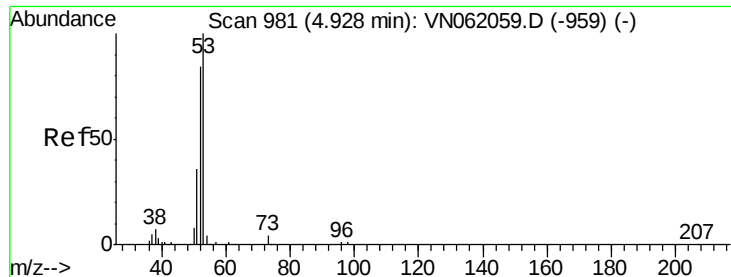
Ion Ratio Lower Upper

41 100

39 76.3 60.0 90.0

76 41.9 34.1 51.1





#15

Acrylonitrile

Concen: 104.224 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

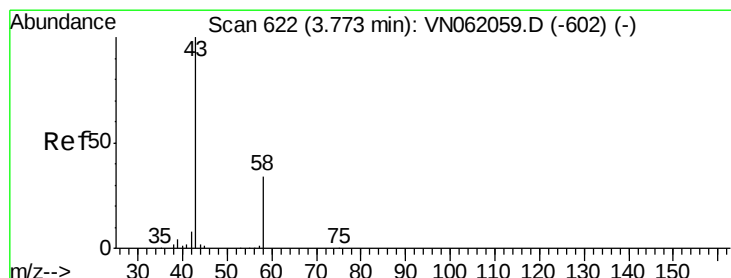
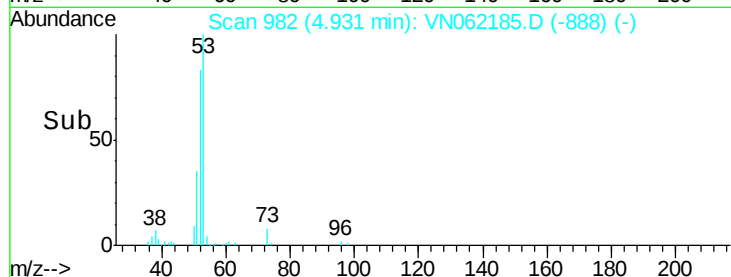
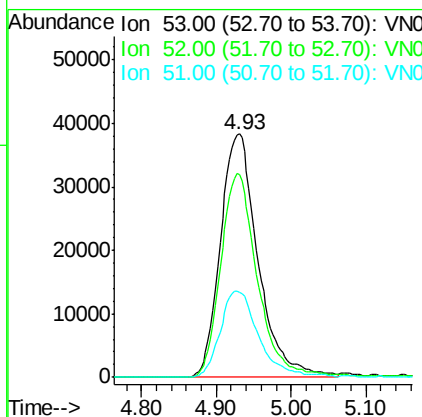
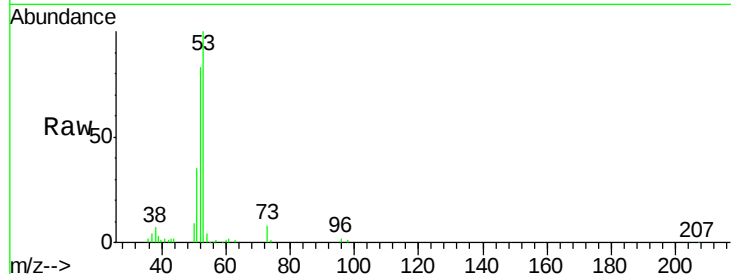
ClientSampleId :

VN0629MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 133849 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.4  | 66.2  | 99.4   |
| 51        | 36.1  | 28.9  | 43.3   |

Manual Integrations  
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6/30/2020 10:43:34 AM



#16

Acetone

Concen: 104.553 ug/l

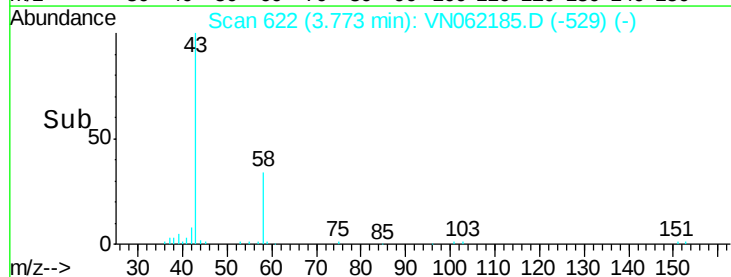
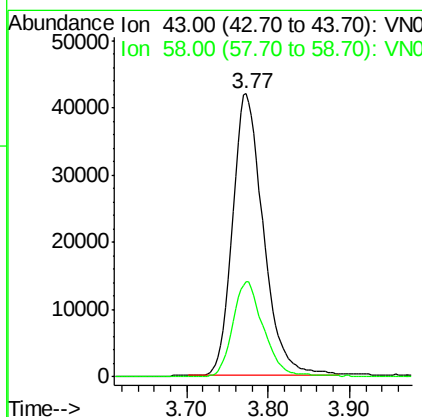
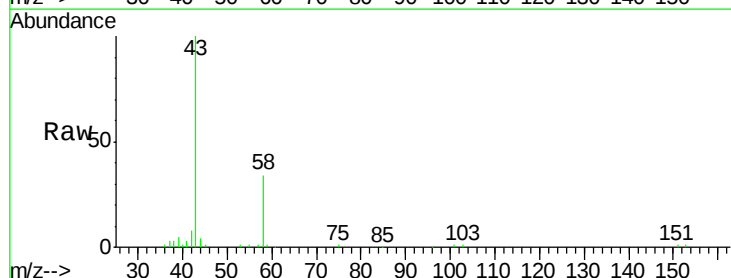
RT: 3.77 min Scan# 622

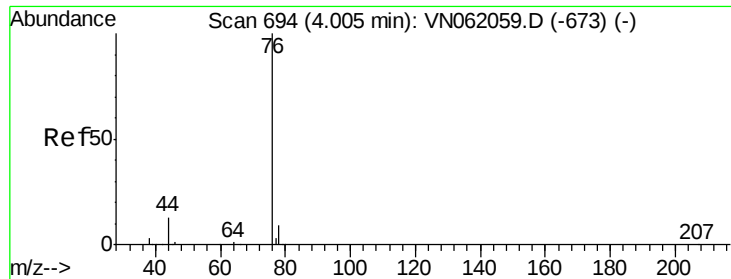
Delta R.T. 0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 110148 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 33.8  | 27.5  | 41.3   |





#17

Carbon Disulfide

Concen: 18.383 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0629MBS01

Tot Ion: 76 Resp: 141166

Ion Ratio Lower Upper

76 100

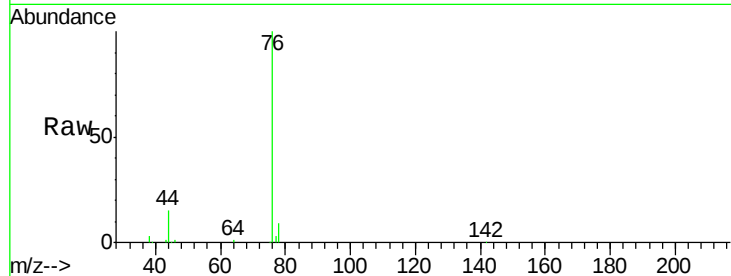
78 8.9 7.2 10.8

Manual Integrations

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MMDadoda

6/30/2020 10:43:34 AM



Abundance Ion 75.90 (75.60 to 76.60): VN062185.D (-600) (-)

Ion 77.90 (77.60 to 78.60): VN062185.D (-600) (-)

4.00

60000

50000

40000

30000

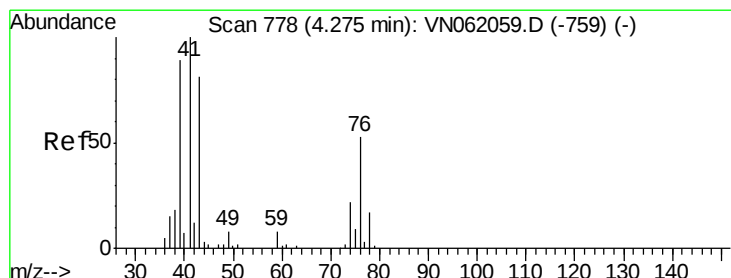
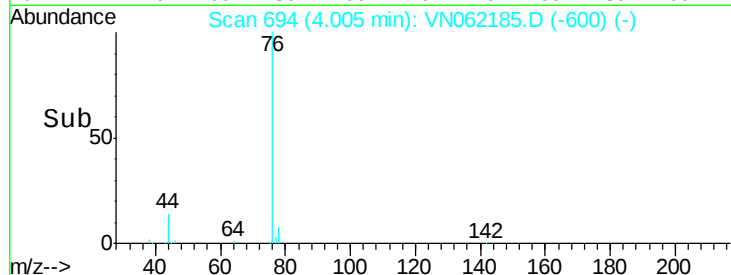
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 21.656 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062185.D

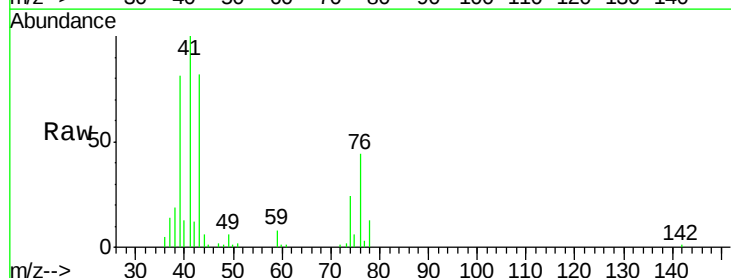
Acq: 29 Jun 2020 14:05

Tgt Ion: 43 Resp: 56507

Ion Ratio Lower Upper

43 100

74 27.2 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VN062185.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN062185.D (-685) (-)

4.28

20000

15000

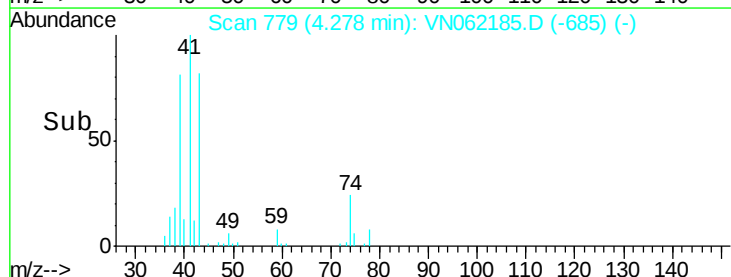
10000

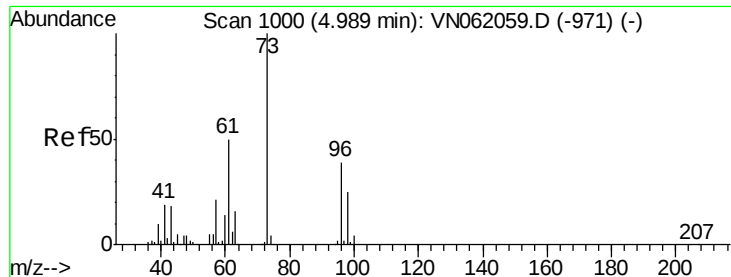
5000

0

Time-->

4.20 4.30 4.40





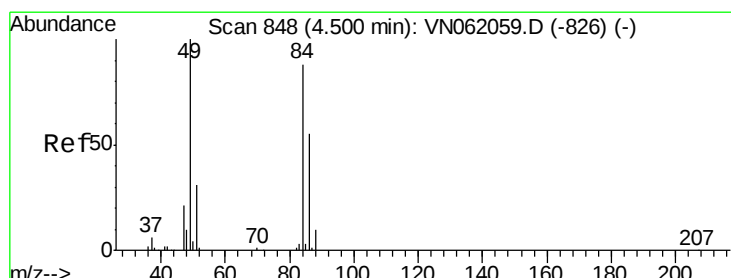
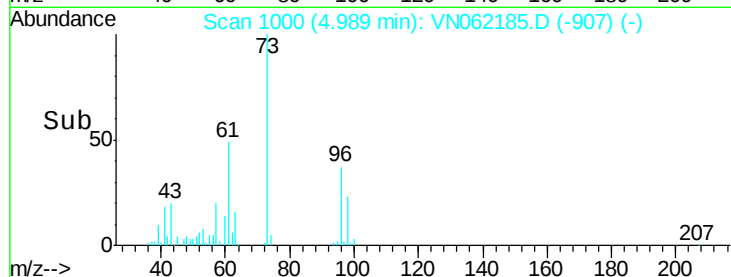
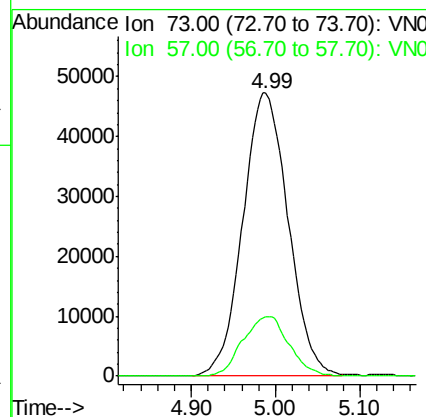
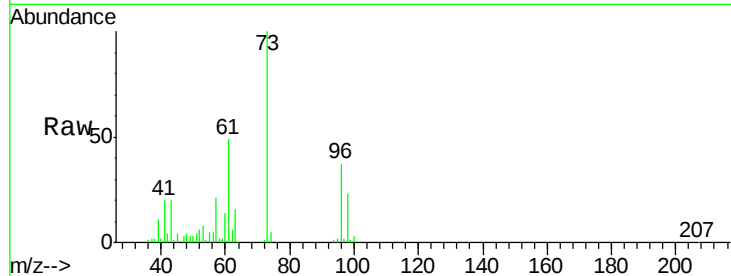
#19  
Methyl tert-butyl Ether  
Concen: 20.576 ug/l  
RT: 4.99 min Scan# 1000  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0629MBS01

Tot Ion: 73 Resp: 176580  
Ion Ratio Lower Upper  
73 100  
57 21.0 16.6 24.8

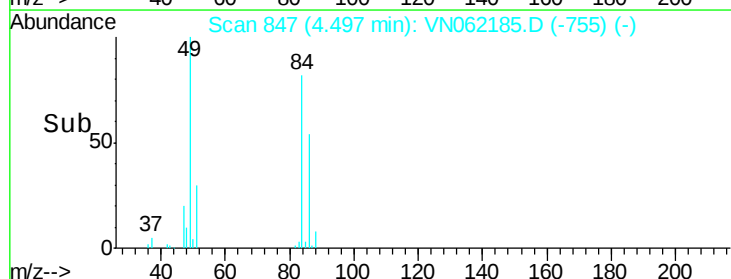
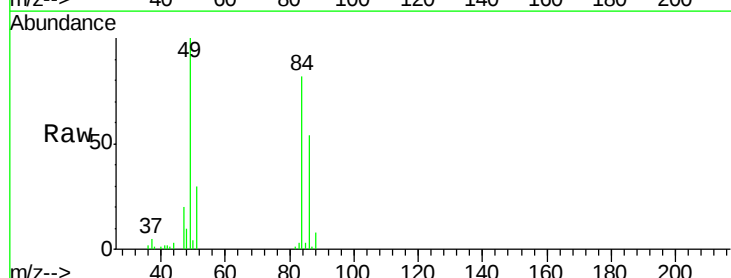
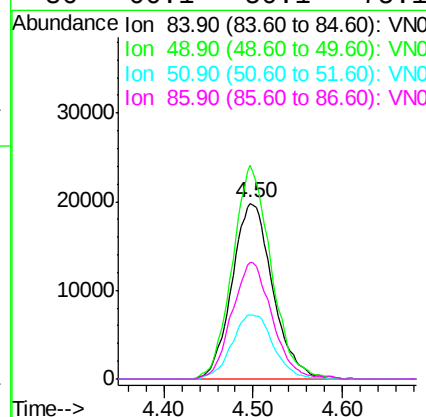
Manual Integrations  
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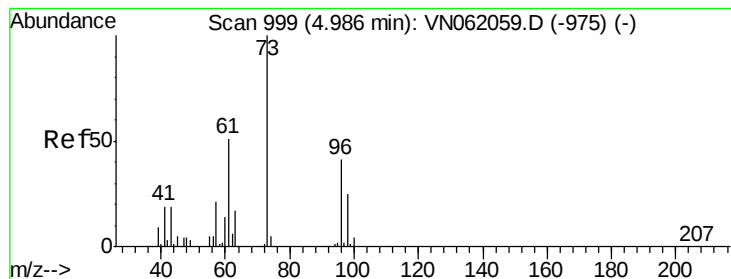
MMDadoda  
6/30/2020 10:43:34 AM



#20  
Methylene Chloride  
Concen: 20.670 ug/l  
RT: 4.50 min Scan# 847  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Tgt Ion: 84 Resp: 62667  
Ion Ratio Lower Upper  
84 100  
49 121.7 90.6 136.0  
51 36.8 27.8 41.8  
86 66.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 18.368 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

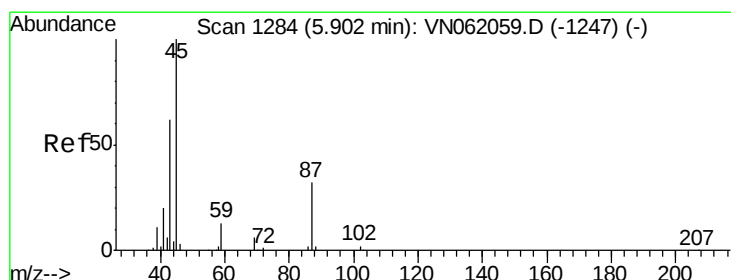
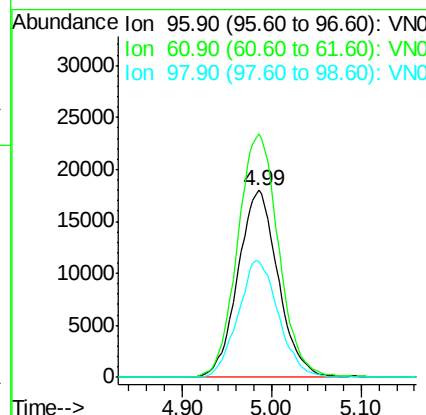
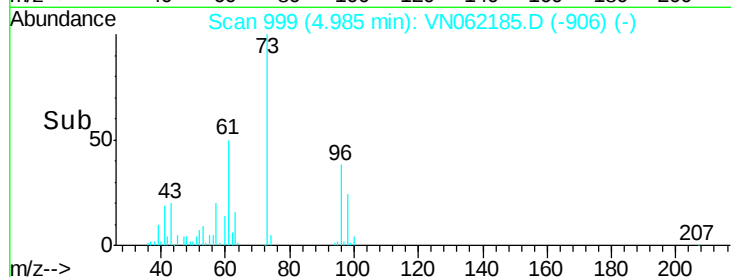
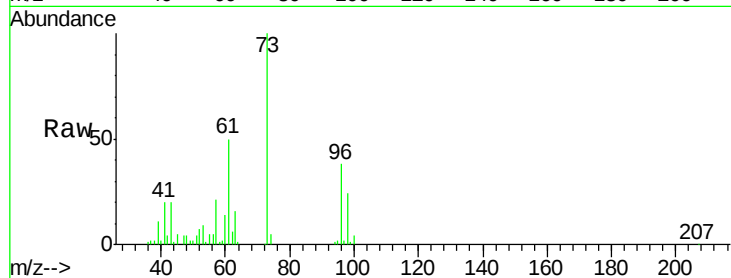
ClientSampleId :

VN0629MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 56198 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 130.1 | 101.4 | 152.2 |
| 98       | 61.9  | 49.3  | 73.9  |

Manual Integrations  
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MMDadoda  
6/30/2020 10:43:34 AM



#22

Diisopropyl ether

Concen: 20.841 ug/l

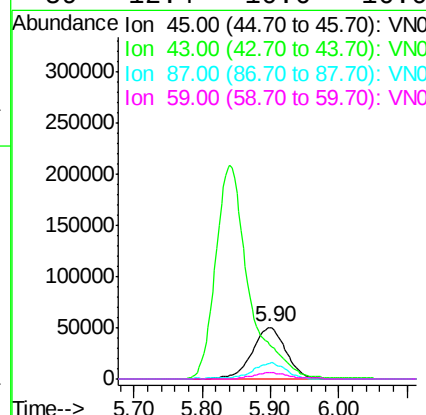
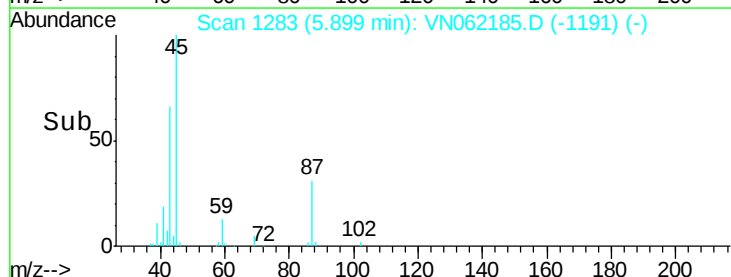
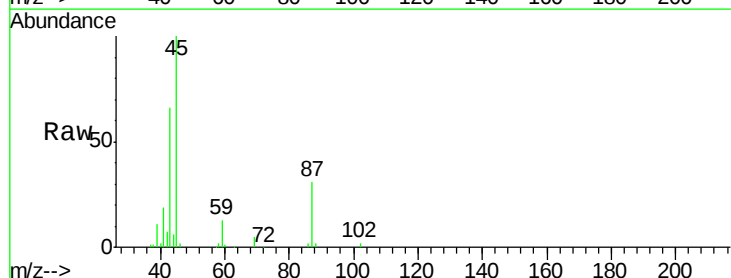
RT: 5.90 min Scan# 1283

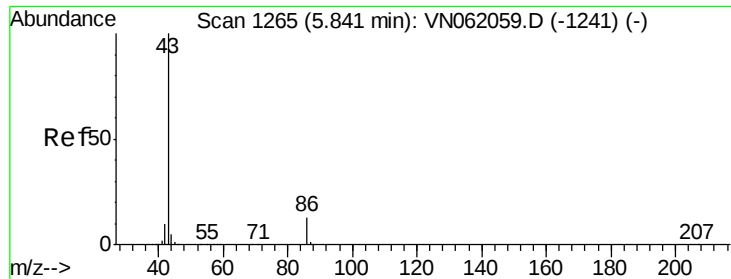
Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 173516 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 64.1  | 49.7  | 74.5   |
| 87       | 30.6  | 25.9  | 38.9   |
| 59       | 12.4  | 10.6  | 16.0   |





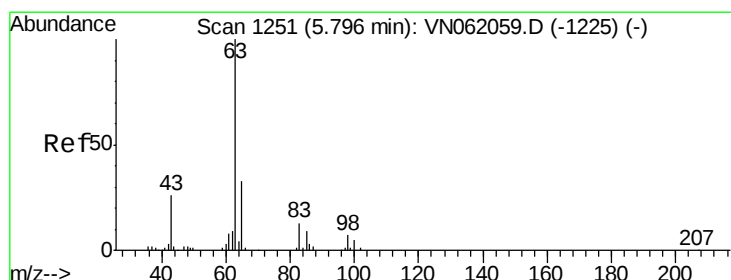
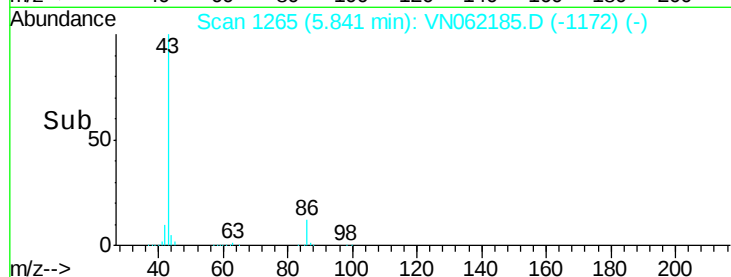
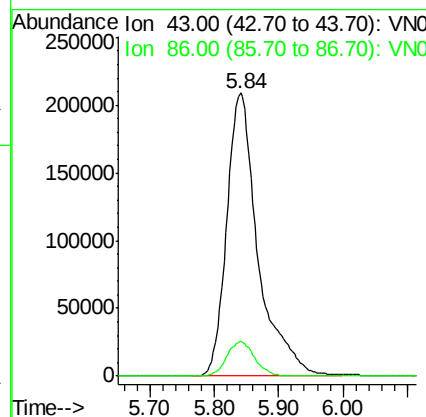
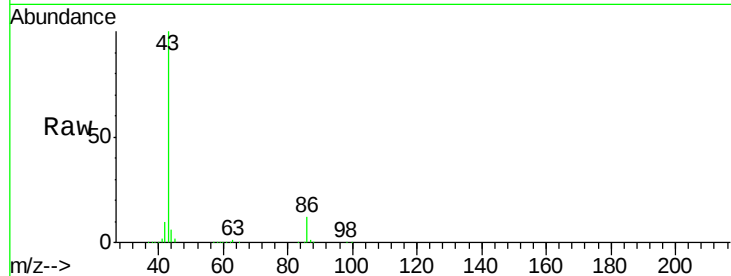
#23  
 Vinyl Acetate  
 Concen: 104.109 ug/l  
 RT: 5.84 min Scan# 1265  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 12.3  | 10.1  | 15.1  |

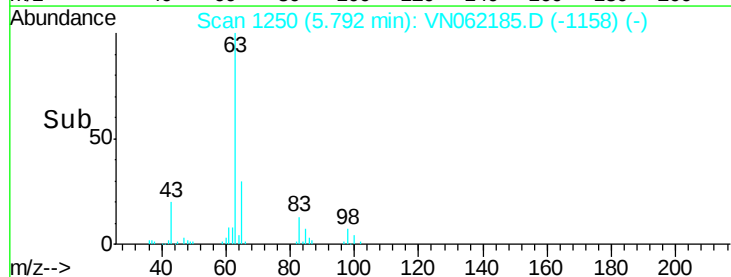
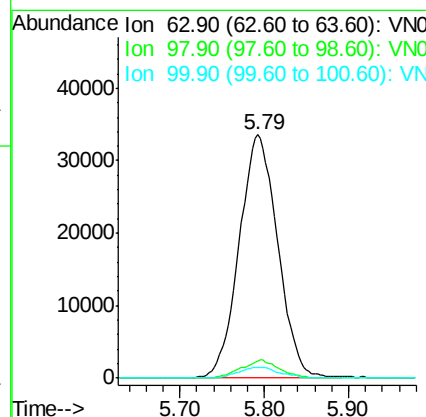
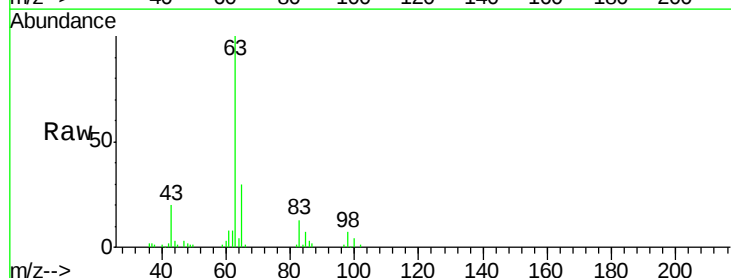
Manual Integrations  
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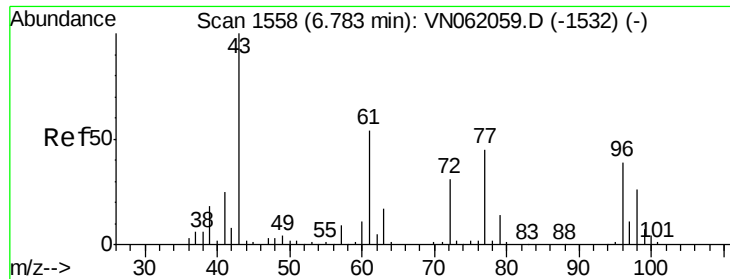
MMDadoda  
 6/30/2020 10:43:34 AM



#24  
 1,1-Dichloroethane  
 Concen: 19.888 ug/l  
 RT: 5.79 min Scan# 1250  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 7.2   | 3.6   | 10.9  |
| 100     | 4.4   | 2.4   | 7.1   |





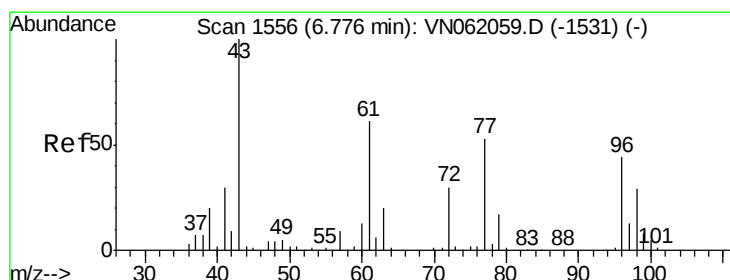
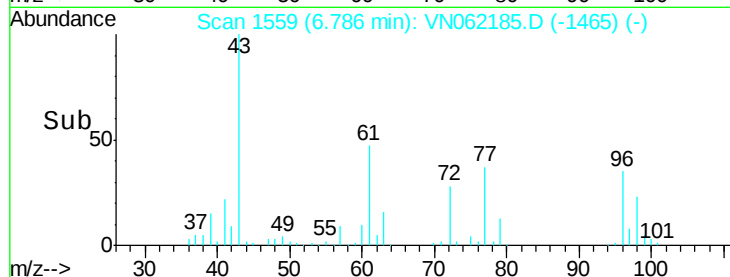
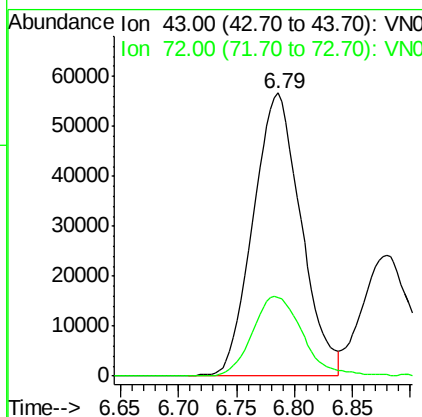
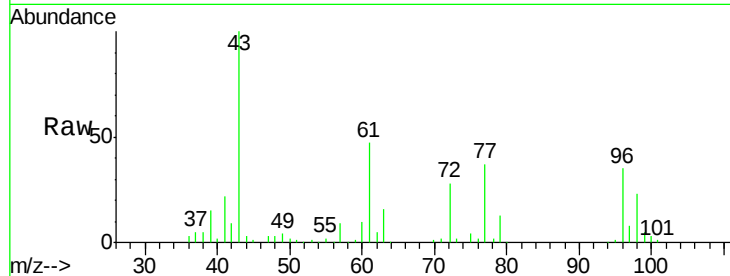
#25  
2-Butanone  
Concen: 101.464 ug/l  
RT: 6.79 min Scan# 1559  
Delta R.T. 0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

Tot Ion: 43 Resp: 162787  
Ion Ratio Lower Upper  
43 100  
72 27.9 24.8 37.2

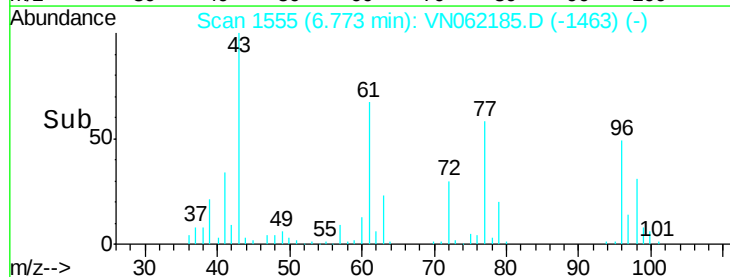
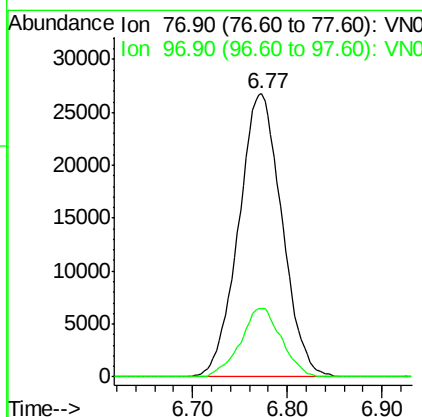
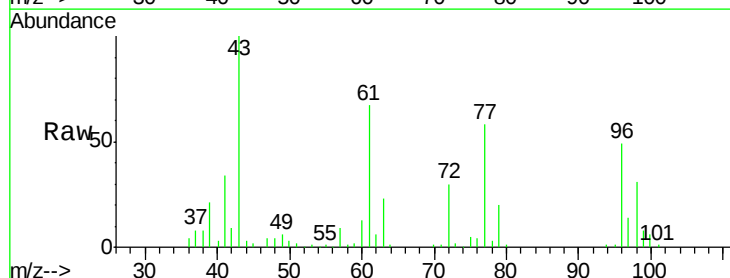
Manual Integrations  
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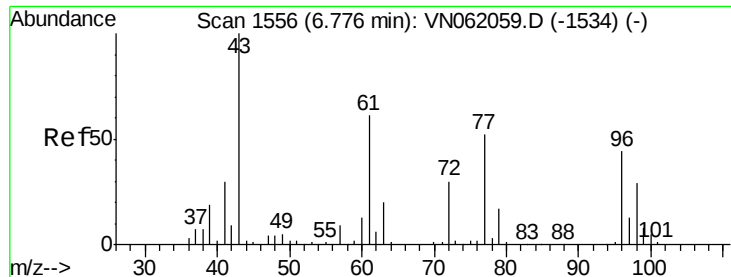
MMDadoda  
6/30/2020 10:43:34 AM



#26  
2,2-Dichloropropane  
Concen: 19.047 ug/l  
RT: 6.77 min Scan# 1555  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Tgt Ion: 77 Resp: 85093  
Ion Ratio Lower Upper  
77 100  
97 22.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.161 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

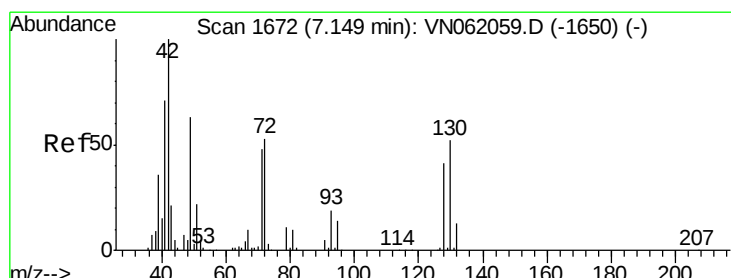
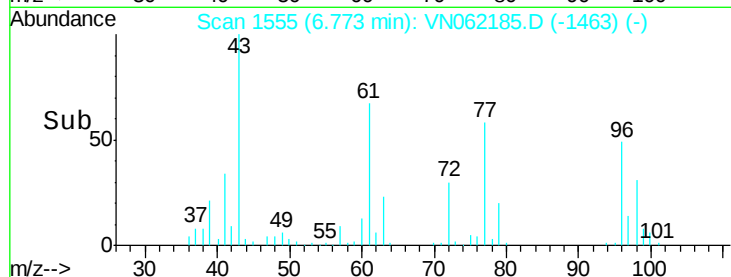
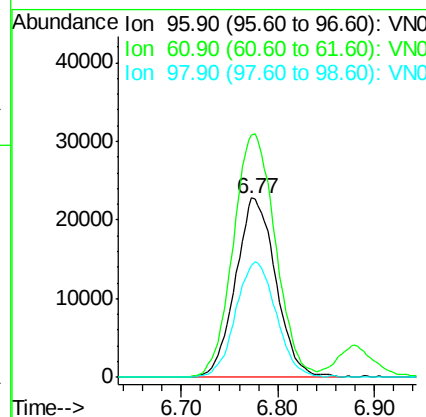
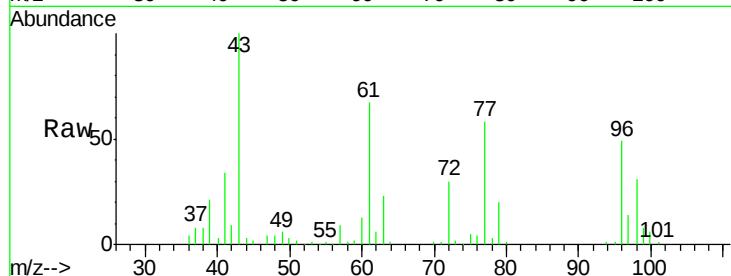
ClientSampleId :

VN0629MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 65969 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 142.2 | 0.0   | 280.4 |
| 98       | 64.5  | 0.0   | 129.4 |

Manual Integrations  
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6/30/2020 10:43:34 AM



#28

Bromochloromethane

Concen: 19.224 ug/l

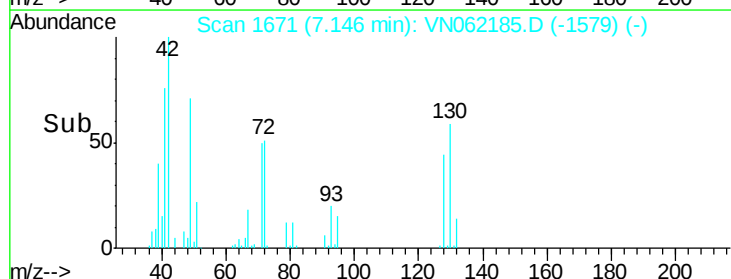
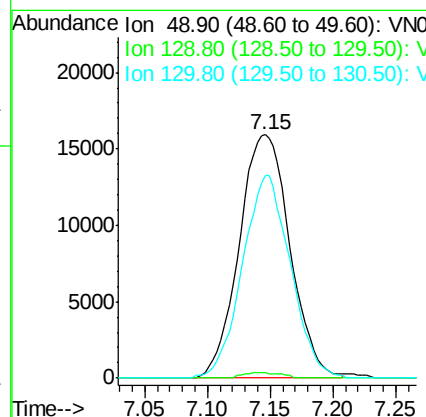
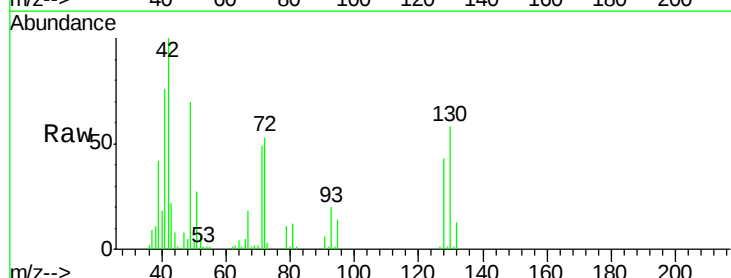
RT: 7.15 min Scan# 1671

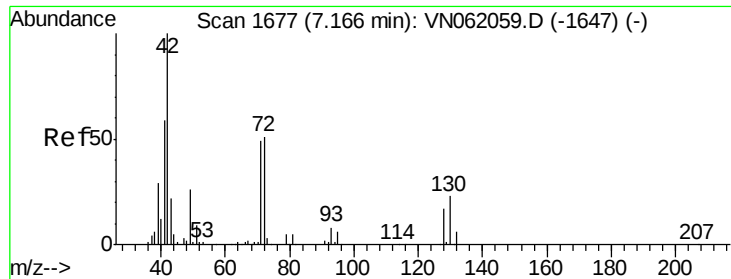
Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 44718 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.6   | 0.0   | 4.4   |
| 130      | 79.1  | 65.5  | 98.3  |





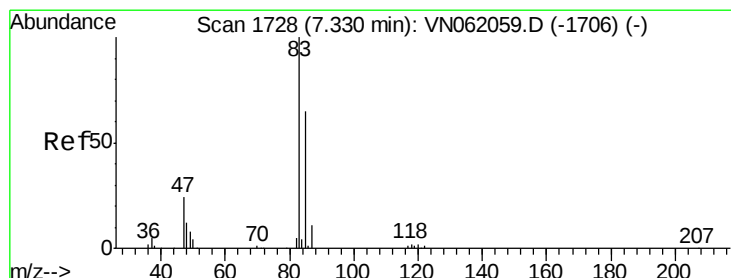
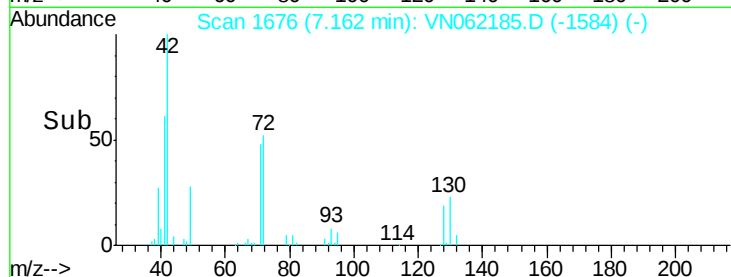
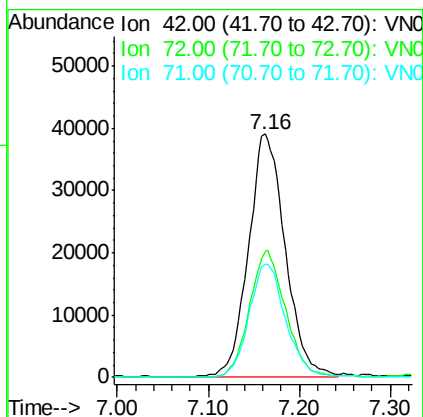
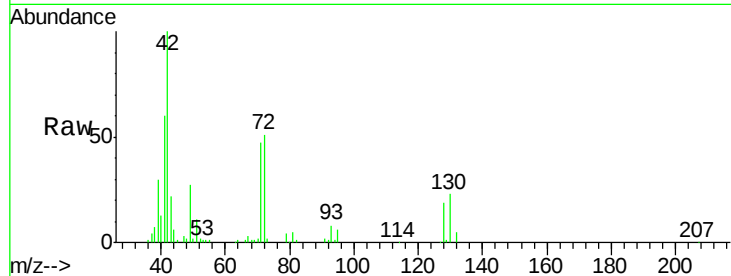
#29  
Tetrahydrofuran  
Concen: 104.750 ug/l  
RT: 7.16 min Scan# 1676  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 51.1  | 41.1  | 61.7  |
| 71      | 46.2  | 38.2  | 57.4  |

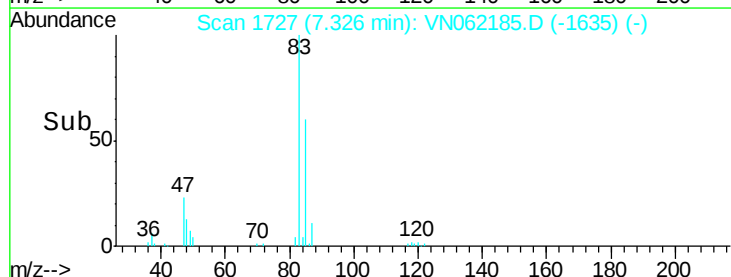
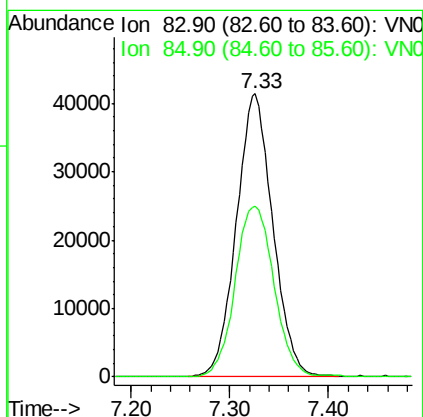
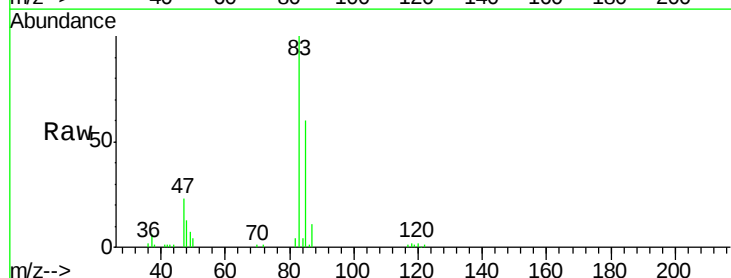
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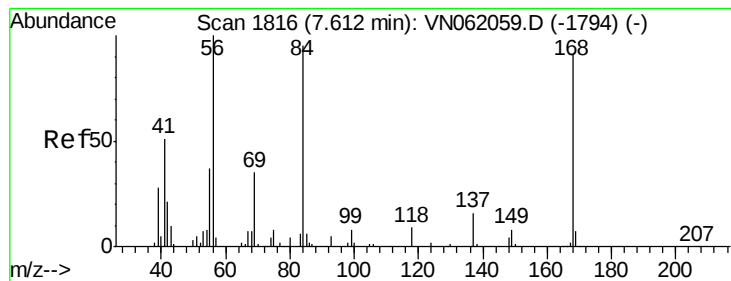
MMDadoda  
6/30/2020 10:43:34 AM



#30  
Chloroform  
Concen: 19.444 ug/l  
RT: 7.33 min Scan# 1727  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 60.4  | 52.3  | 78.5  |





#31

Cyclohexane

Concen: 19.400 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0629MBS01

Tot Ion: 56 Resp: 87978

Ion Ratio Lower Upper

56 100

69 39.2 28.0 42.0

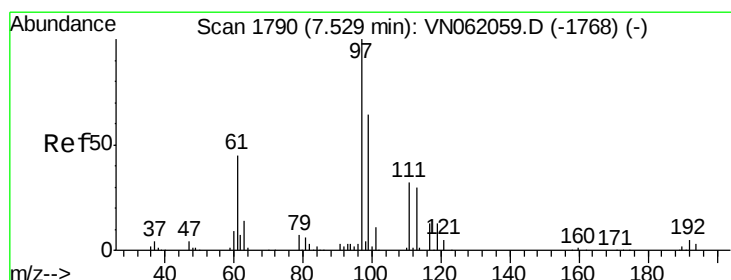
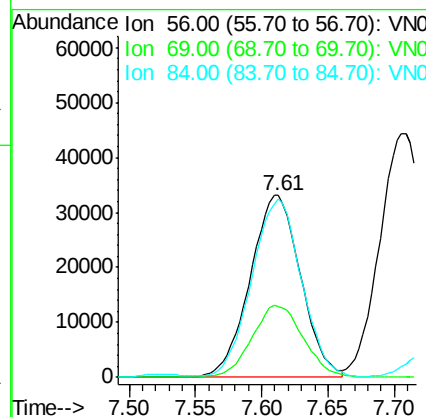
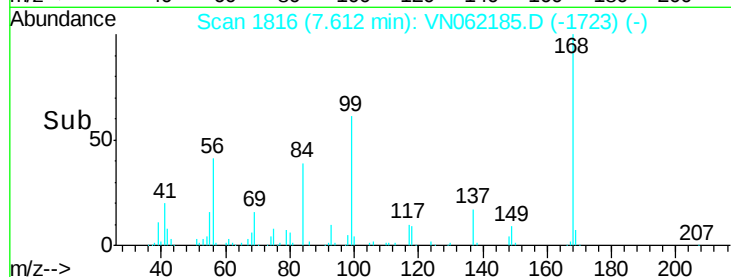
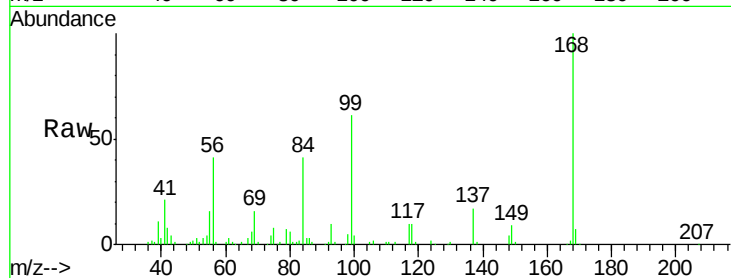
84 97.0 76.1 114.1

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#32

1,1,1-Trichloroethane

Concen: 18.773 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

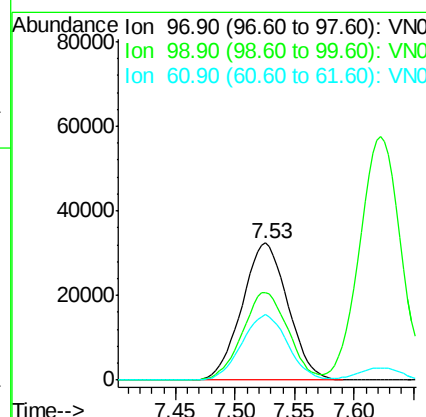
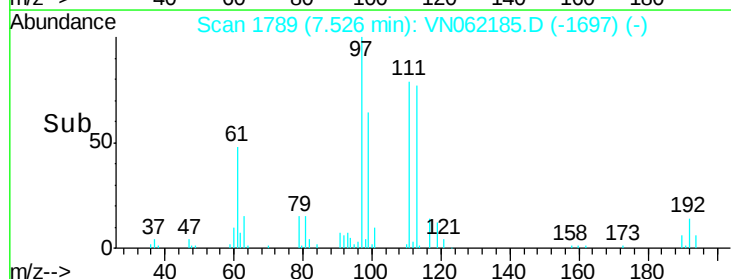
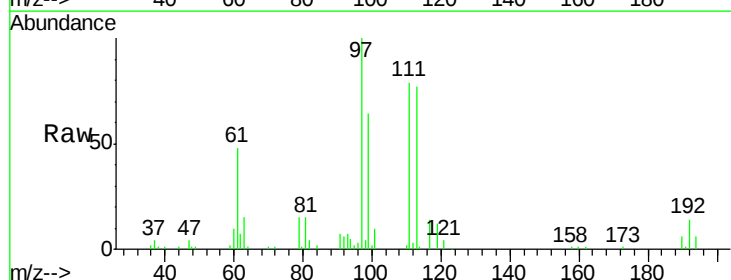
Tgt Ion: 97 Resp: 86355

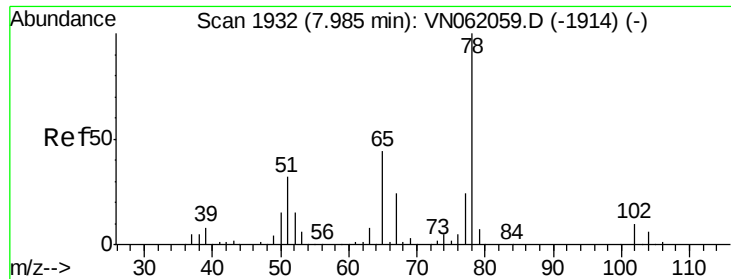
Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

61 47.6 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 51.455 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0629MBS01

Tot Ion: 65 Resp: 168894

Ion Ratio Lower Upper

65 100

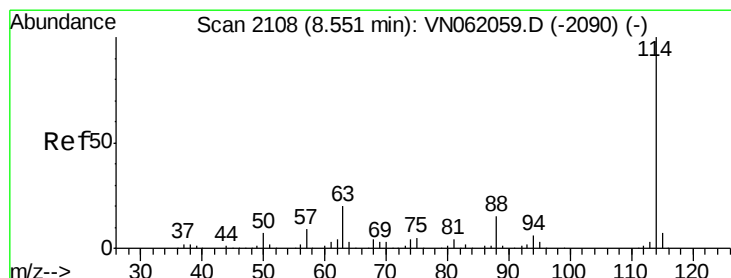
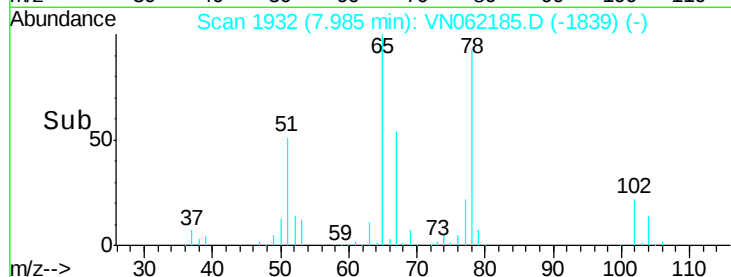
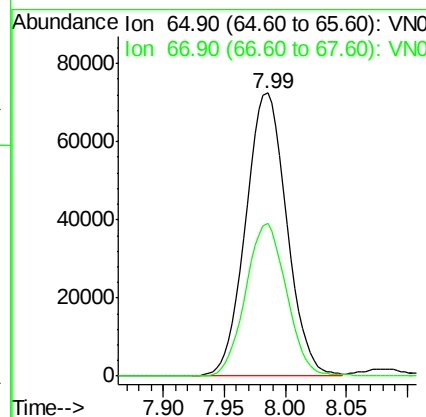
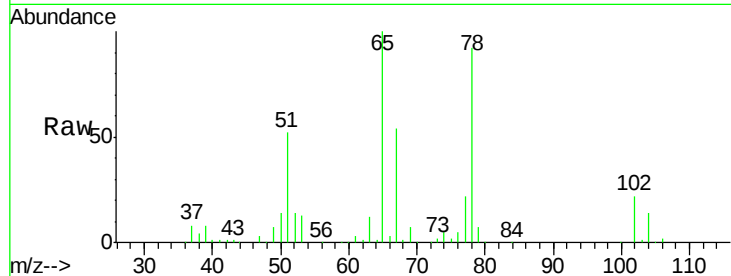
67 53.6 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

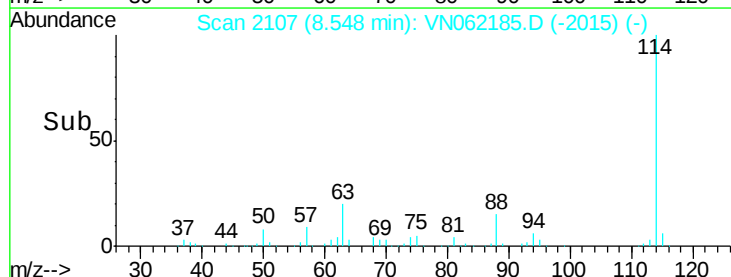
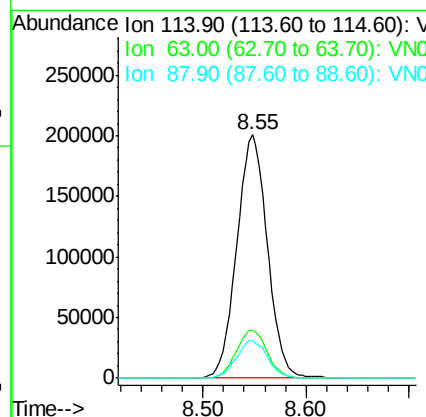
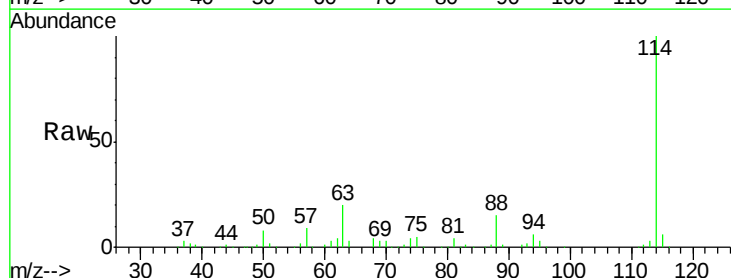
Tgt Ion: 114 Resp: 415019

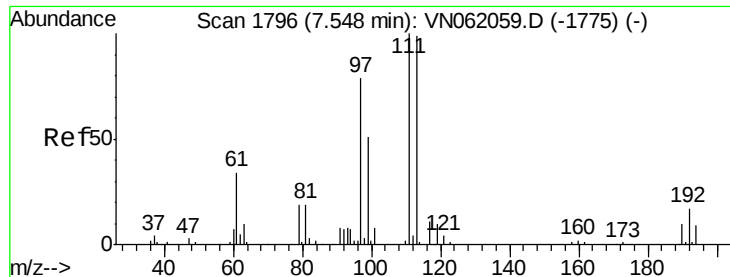
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

88 15.3 0.0 30.8





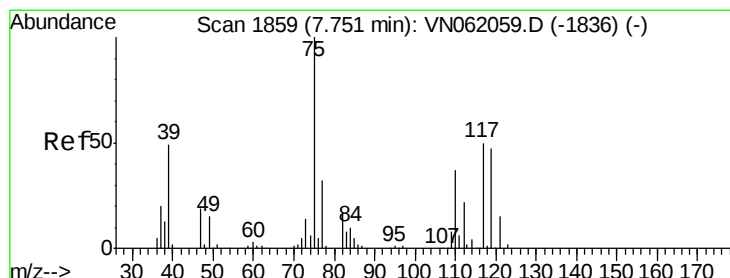
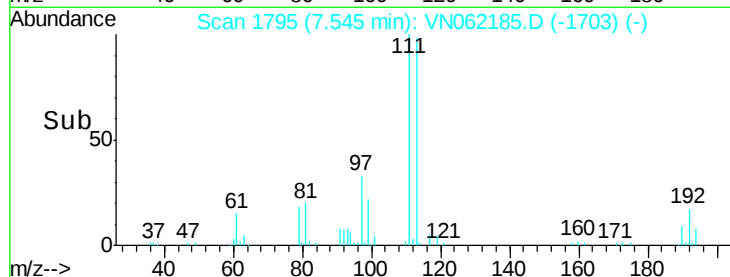
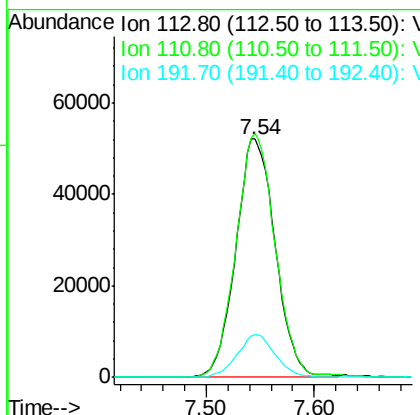
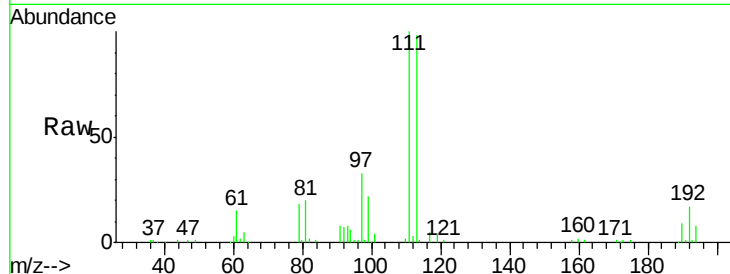
#35  
 Dibromofluoromethane  
 Concen: 49.784 ug/l  
 RT: 7.54 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0629MBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 101.4 | 82.2 | 123.4 |       |
| 192     | 17.3  | 14.0 | 21.0  |       |

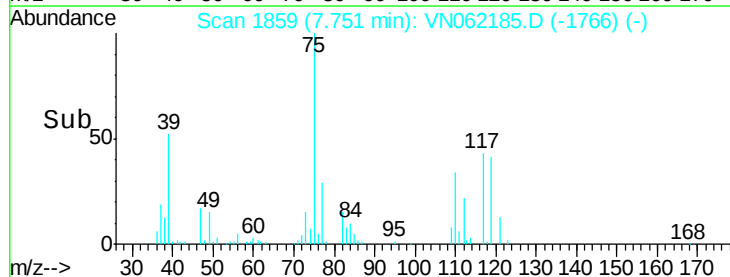
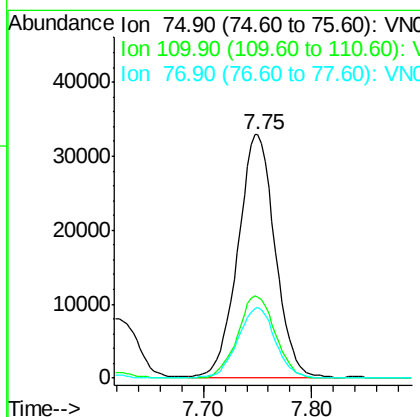
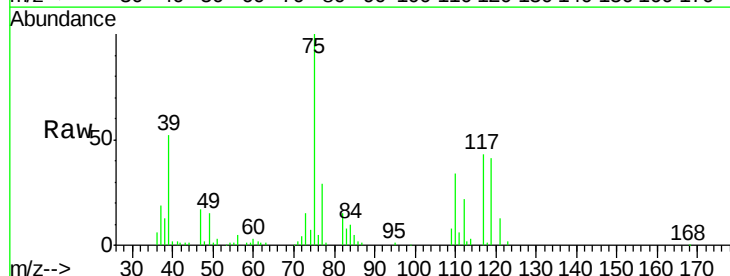
Manual Integrations  
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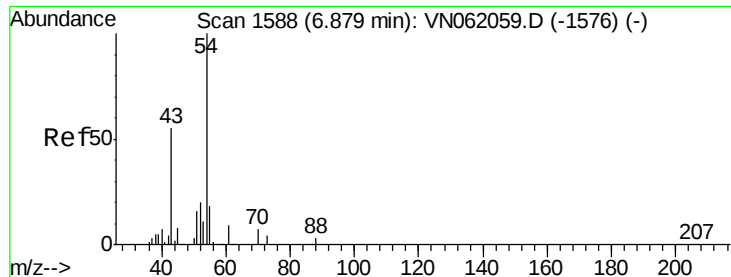
MMDadoda  
 6/30/2020 10:43:34 AM



#36  
 1,1-Dichloropropene  
 Concen: 18.947 ug/l  
 RT: 7.75 min Scan# 1859  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 33.8  | 17.9 | 53.8  |       |
| 77      | 29.1  | 24.9 | 37.3  |       |





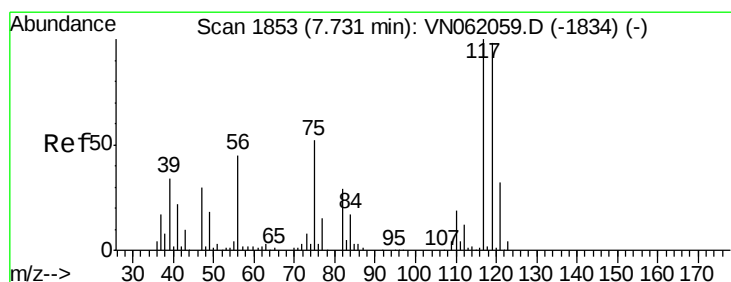
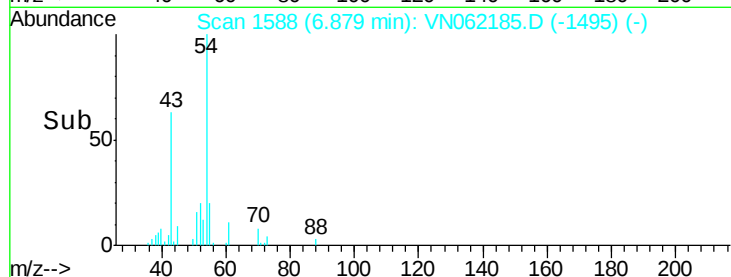
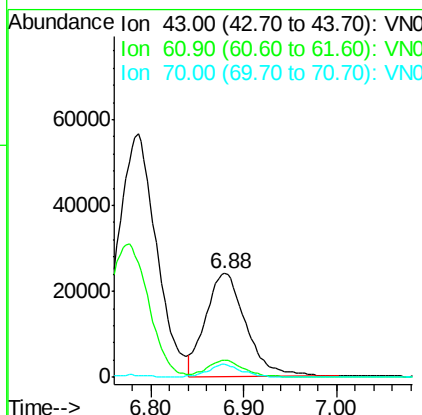
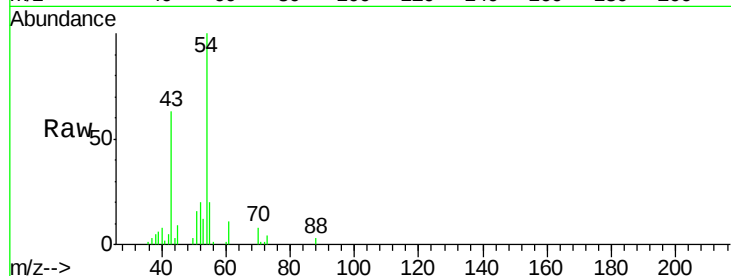
#37  
Ethyl Acetate  
Concen: 20.929 ug/l  
RT: 6.88 min Scan# 1588  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.5  | 12.0  | 18.0  |
| 70      | 10.6  | 9.6   | 14.4  |

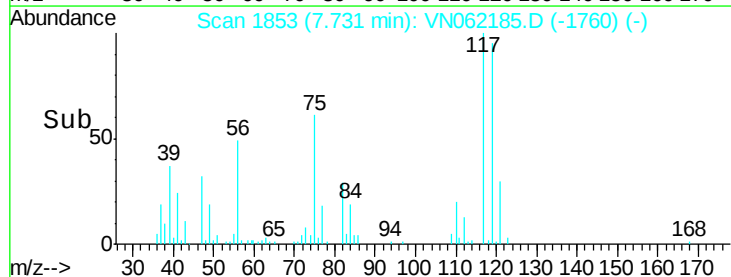
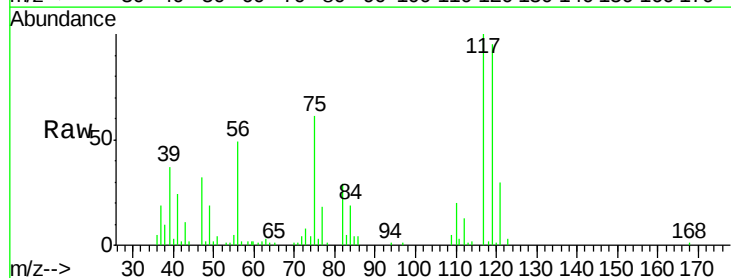
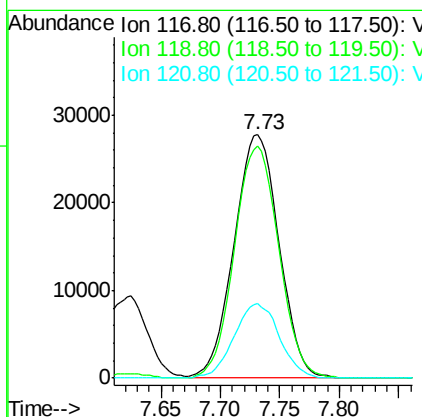
Manual Integrations  
APPROVED

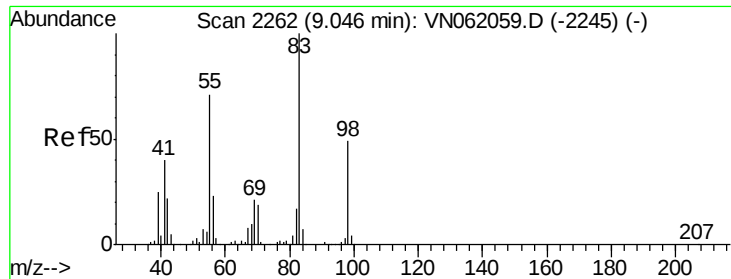
MMDadoda  
6/30/2020 10:43:34 AM



#38  
Carbon Tetrachloride  
Concen: 18.528 ug/l  
RT: 7.73 min Scan# 1853  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.2  | 78.2  | 117.2 |
| 121     | 30.4  | 25.8  | 38.6  |





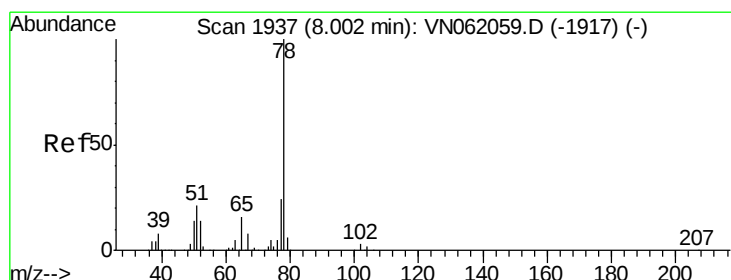
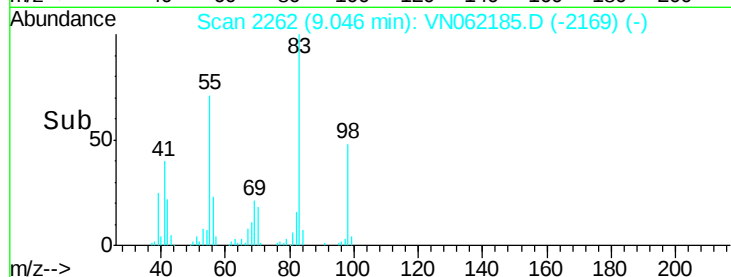
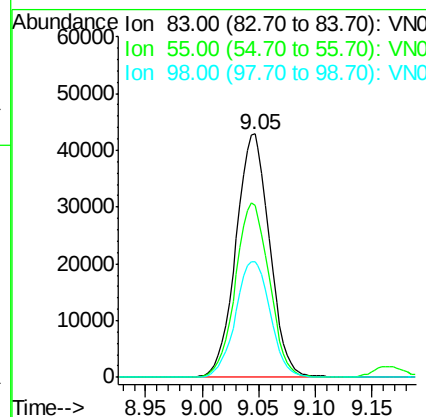
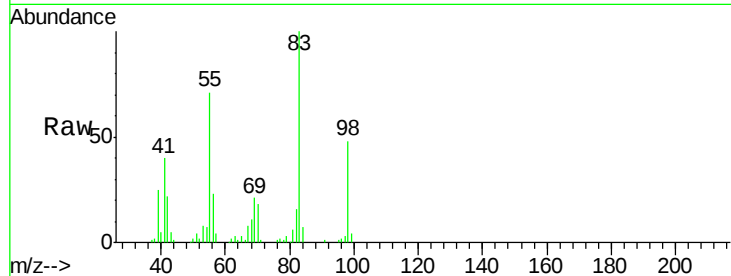
#39  
Methvlcvclohexane  
Concen: 19.473 ug/l  
RT: 9.05 min Scan# 2262  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 70.8  | 57.0  | 85.6  |
| 98      | 47.6  | 39.0  | 58.6  |

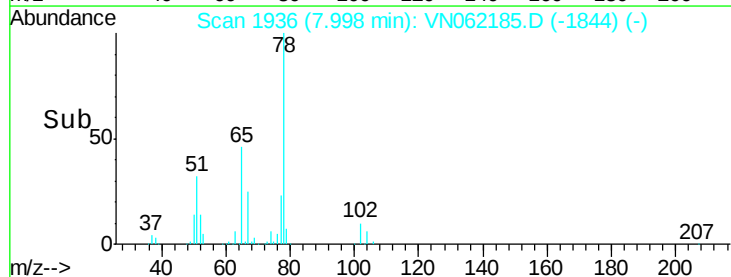
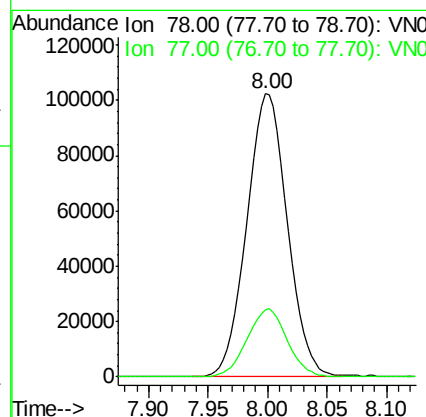
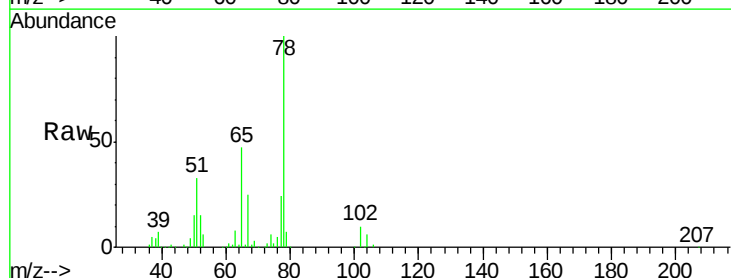
Manual Integrations  
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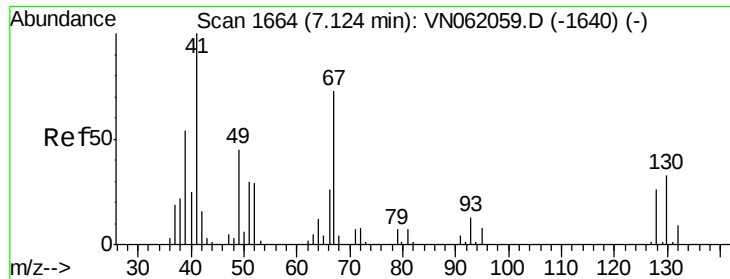
MMDadoda  
6/30/2020 10:43:34 AM



#40  
Benzene  
Concen: 19.015 ug/l  
RT: 8.00 min Scan# 1936  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 19.5  | 29.3  |





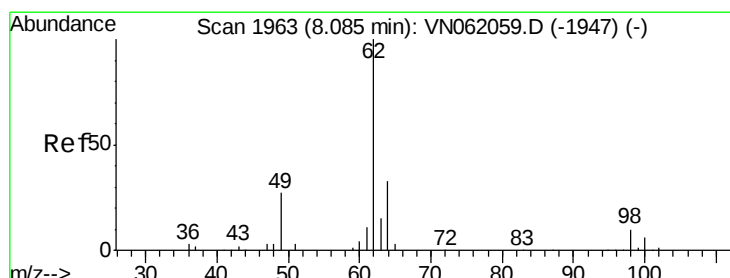
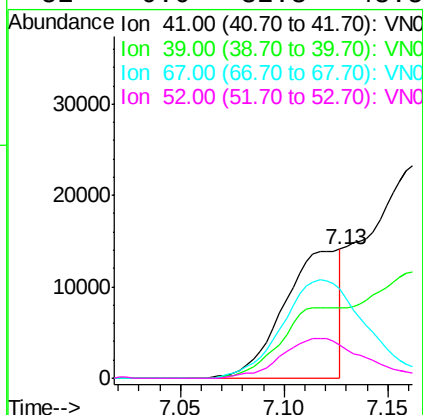
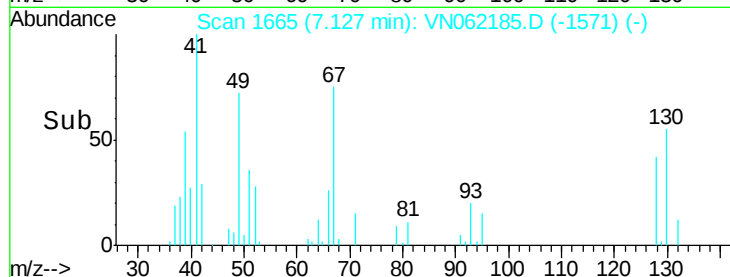
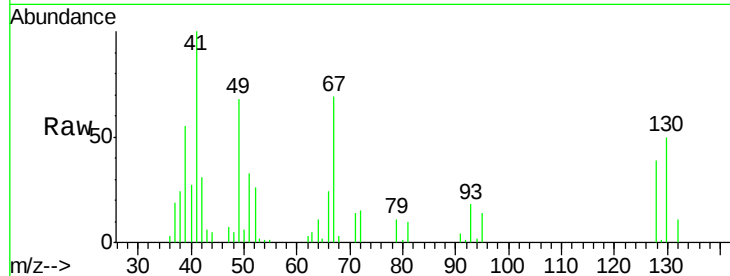
#41  
Methacrylonitrile  
Concen: 16.547 ug/l m  
RT: 7.13 min Scan# 1665  
Delta R.T. 0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

| Tot Ion   | 41    | Resp  | 26499  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 0.0   | 44.2  | 66.2#  |
| 67        | 0.0   | 79.5  | 119.3# |
| 52        | 0.0   | 32.3  | 48.5#  |

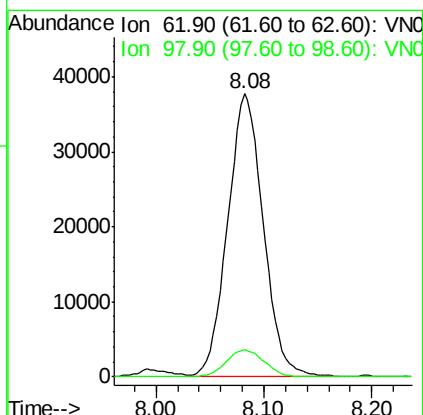
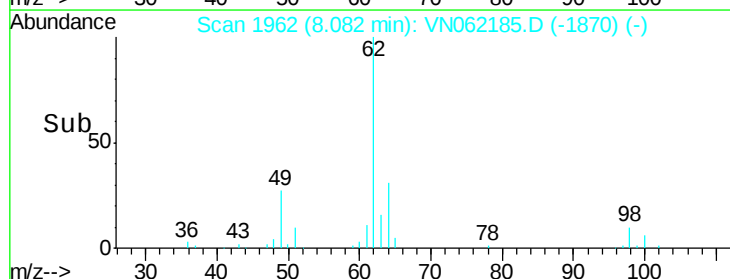
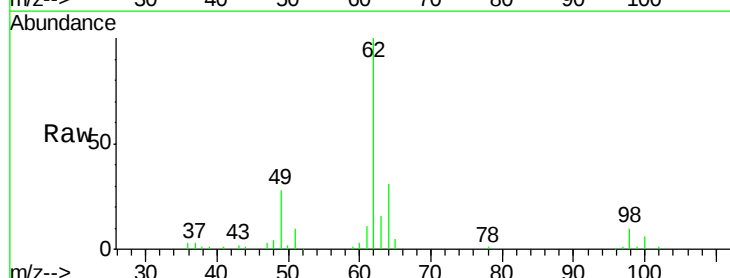
Manual Integrations  
APPROVED

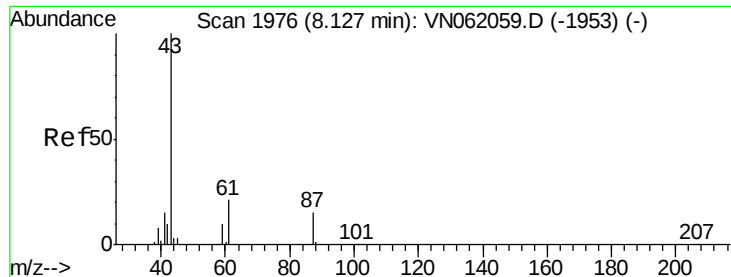
MMDadoda  
6/30/2020 10:43:34 AM



#42  
1,2-Dichloroethane  
Concen: 20.225 ug/l  
RT: 8.08 min Scan# 1962  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion   | 62    | Resp  | 86885 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 10.1  | 0.0   | 19.8  |





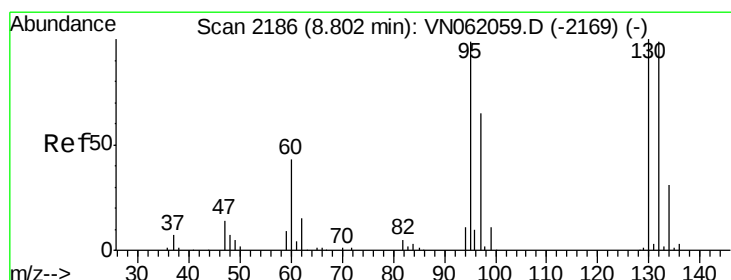
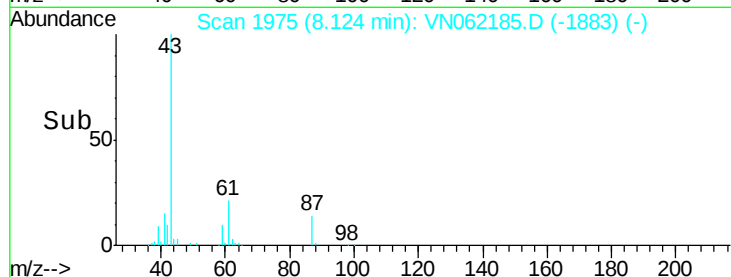
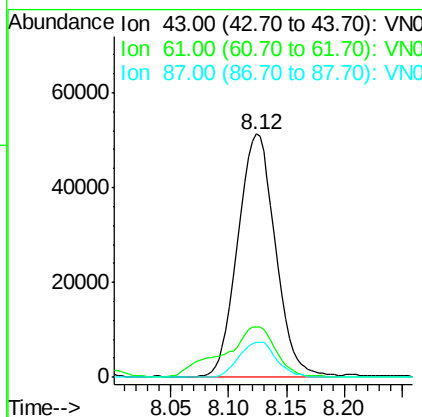
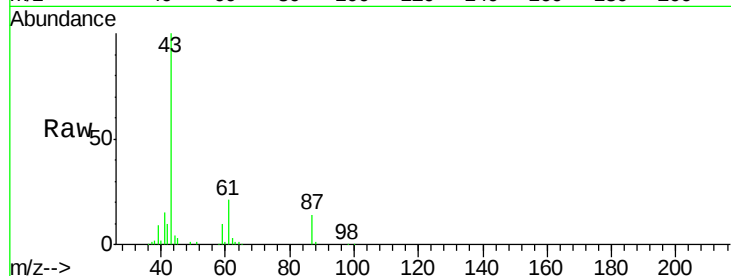
#43  
Isopropyl Acetate  
Concen: 20.668 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 28.8  | 17.2  | 25.8  |
| 87      | 14.3  | 12.1  | 18.1  |

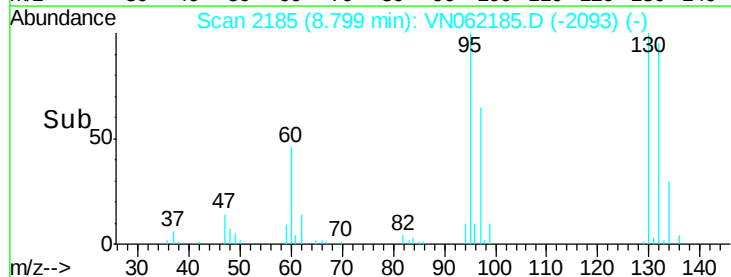
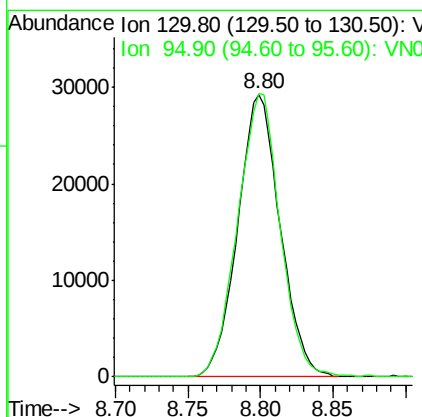
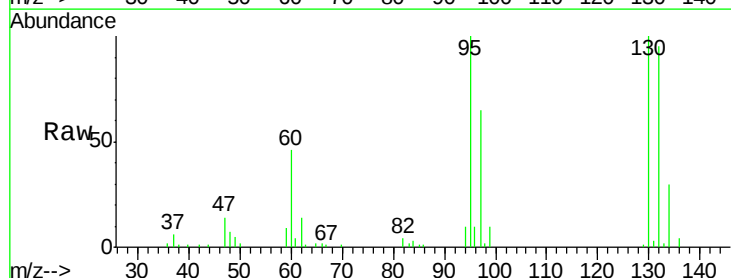
Manual Integrations  
APPROVED

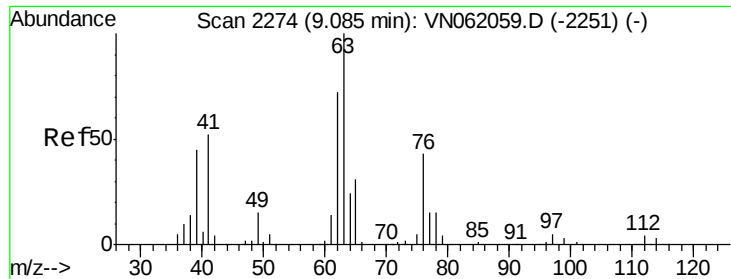
MMDadoda  
6/30/2020 10:43:34 AM



#44  
Trichloroethene  
Concen: 18.479 ug/l  
RT: 8.80 min Scan# 2185  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 100.2 | 0.0   | 197.8 |





#45

1,2-Dichloropropane

Concen: 20.004 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0629MBS01

Tot Ion: 63 Resp: 62748

Ion Ratio Lower Upper

63 100

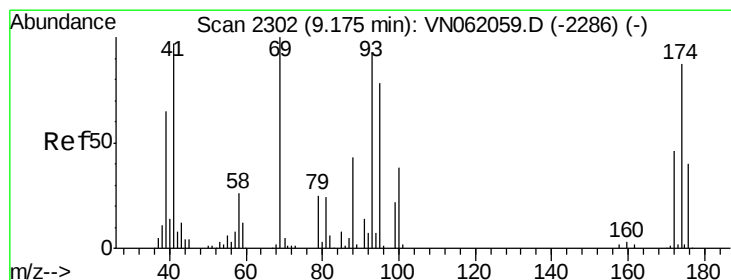
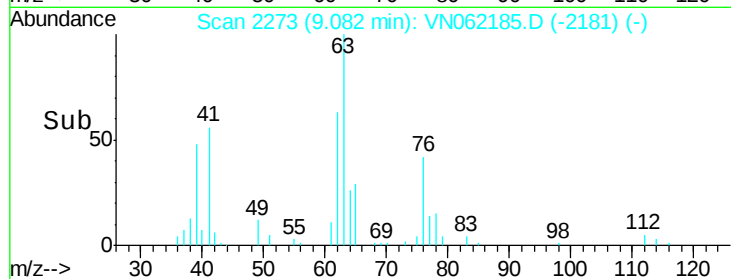
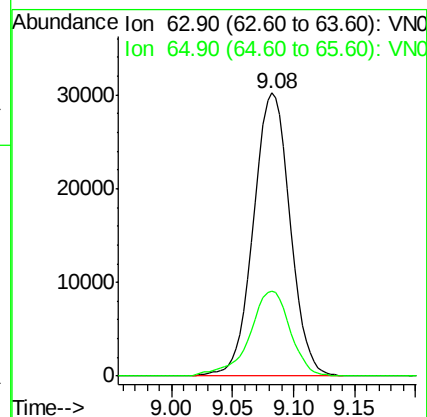
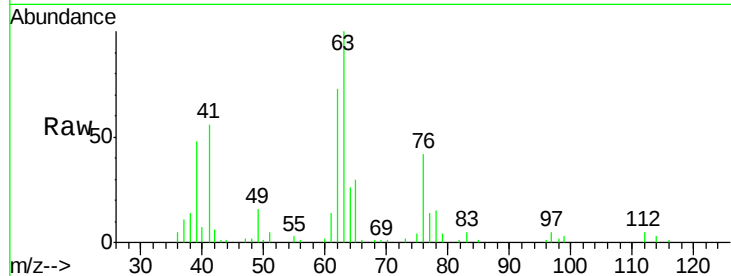
65 30.1 25.0 37.4

Manual Integrations

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MMDadoda

6/30/2020 10:43:34 AM



#46

Dibromomethane

Concen: 19.733 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

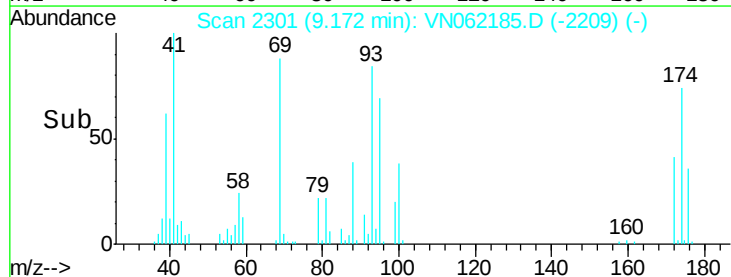
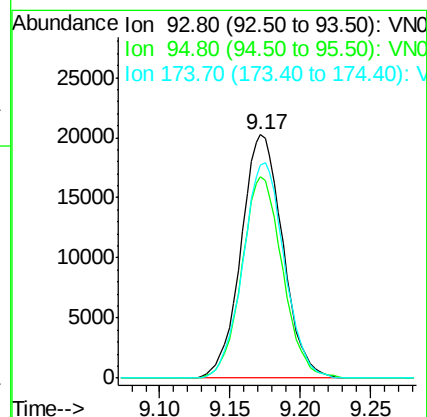
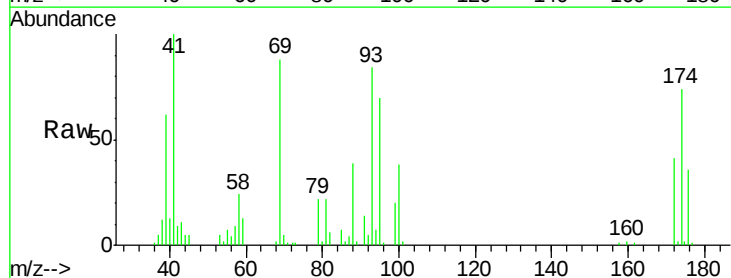
Tgt Ion: 93 Resp: 41968

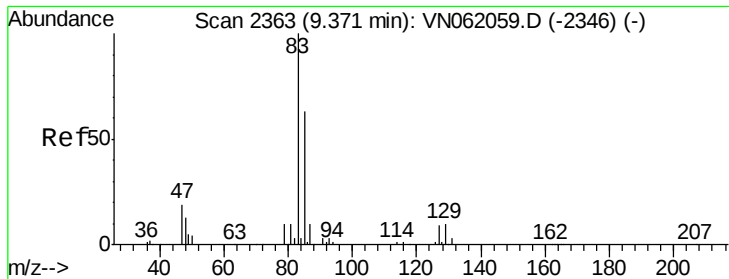
Ion Ratio Lower Upper

93 100

95 80.7 67.0 100.6

174 87.6 74.4 111.6





#47

Bromodichloromethane

Concen: 19.512 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

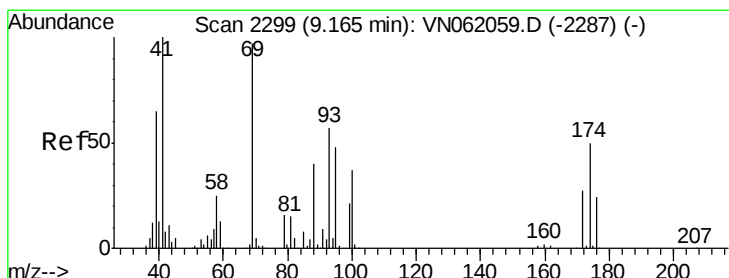
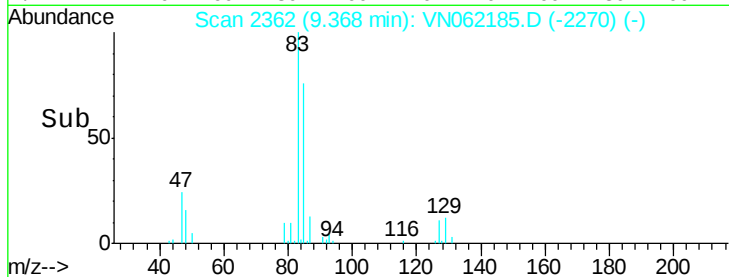
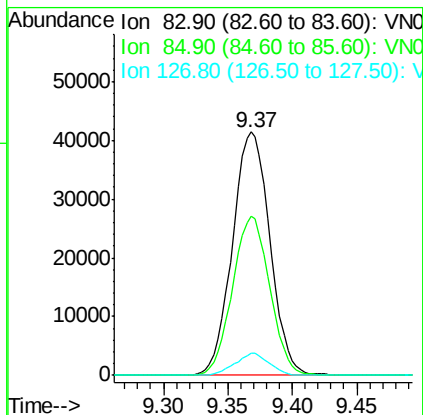
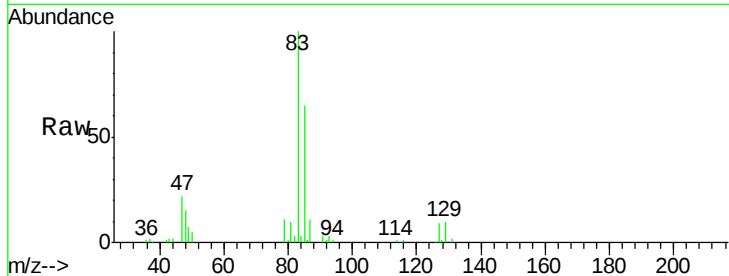
ClientSampleId :

VN0629MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 83787 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 65.5  | 50.3  | 75.5  |
| 127       | 9.0   | 6.9   | 10.3  |

Manual Integrations  
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MMDadoda  
6/30/2020 10:43:34 AM



#48

Methyl methacrylate

Concen: 20.333 ug/l

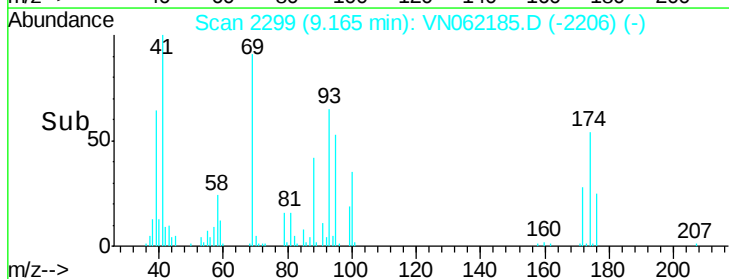
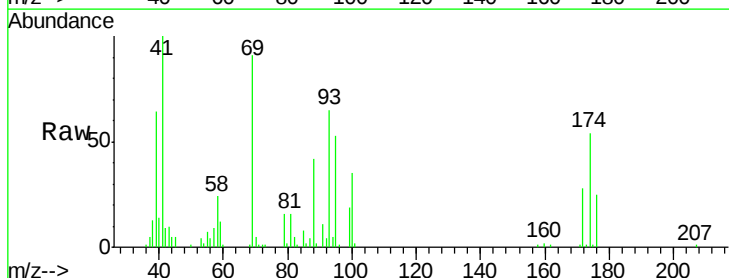
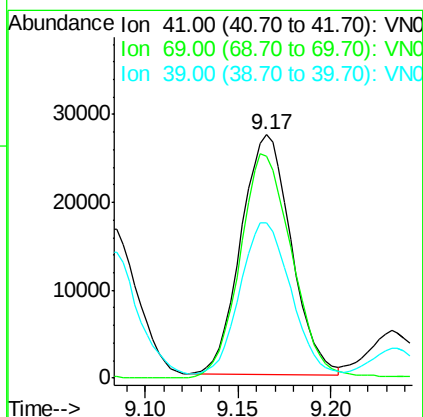
RT: 9.17 min Scan# 2299

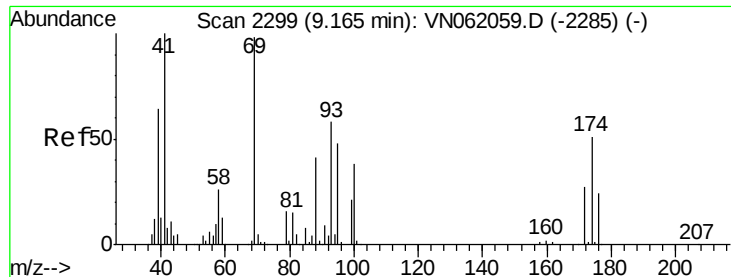
Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 51337 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 97.3  | 80.7  | 121.1 |
| 39        | 64.6  | 54.5  | 81.7  |





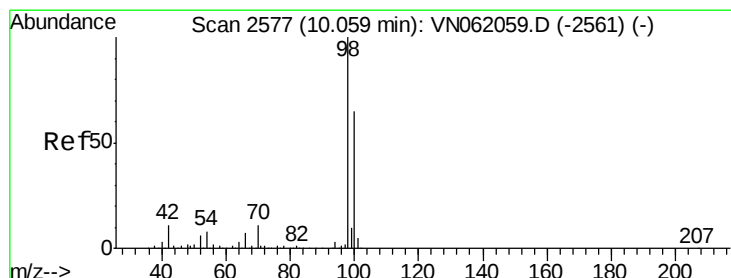
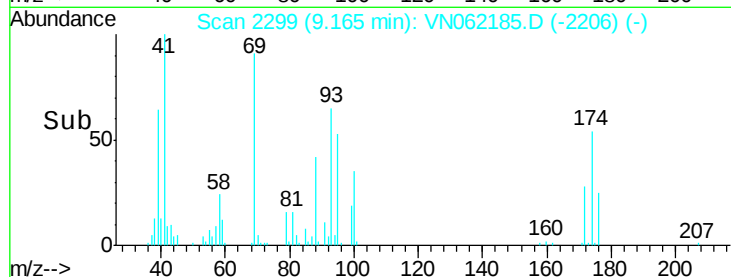
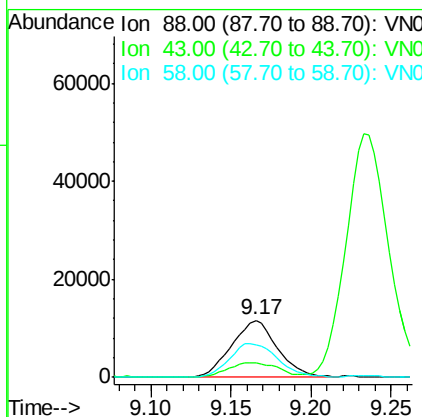
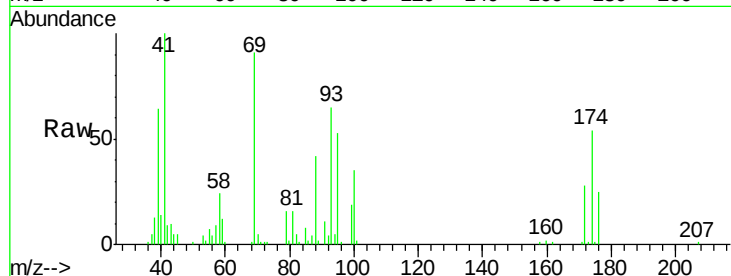
#49  
1,4-Dioxane  
Concen: 406.533 ug/l  
RT: 9.17 min Scan# 2299  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 29.1  | 22.0  | 33.0  |
| 58      | 63.1  | 49.2  | 73.8  |

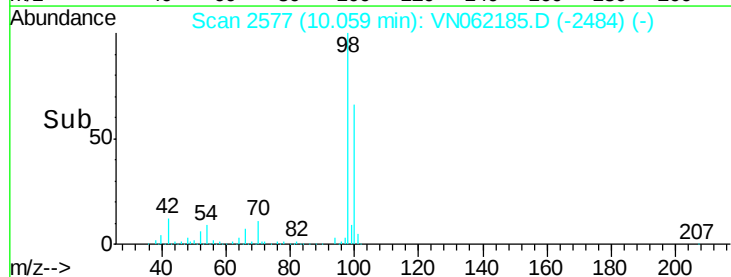
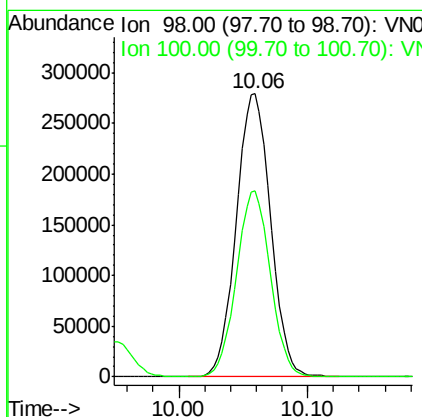
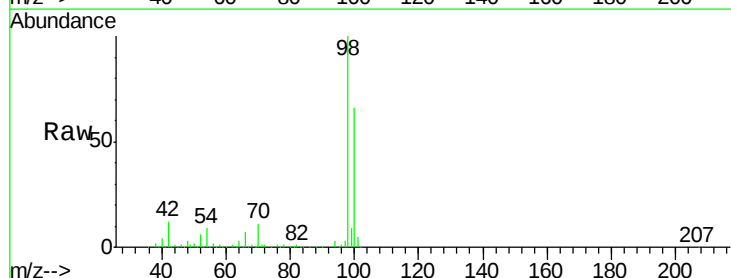
Manual Integrations  
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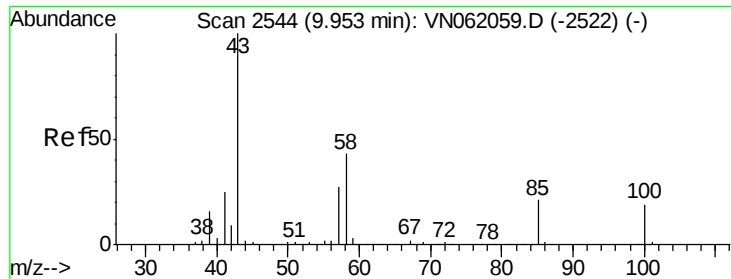
MMDadoda  
6/30/2020 10:43:34 AM



#50  
Toluene-d8  
Concen: 48.709 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.9  | 51.2  | 76.8  |





#51

4-Methyl-2-Pentanone

Concen: 104.315 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

ClientSampled :

VN0629MBS01

Tot Ion: 43 Resp: 343195

Ion Ratio Lower Upper

43 100

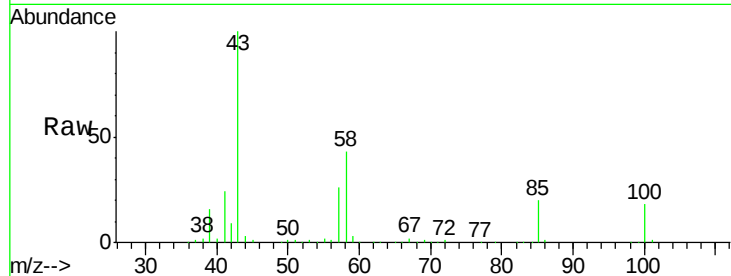
58 42.5 34.2 51.2

Manual Integrations

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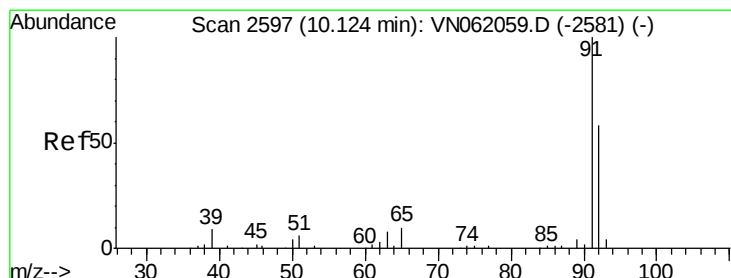
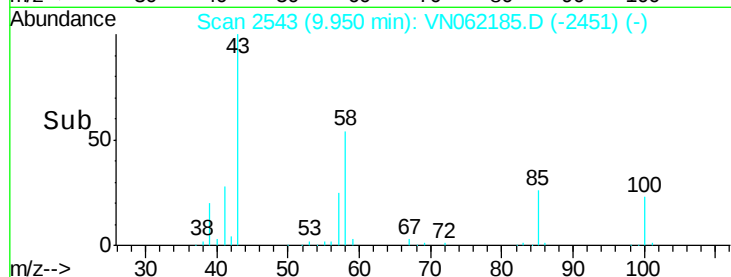
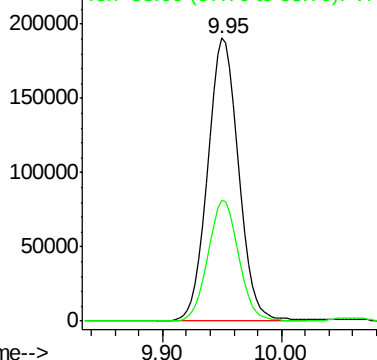
MMDadoda

6/30/2020 10:43:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.402 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062185.D

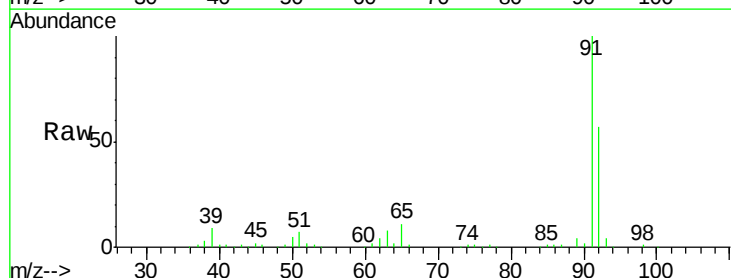
Acq: 29 Jun 2020 14:05

Tgt Ion: 92 Resp: 150520

Ion Ratio Lower Upper

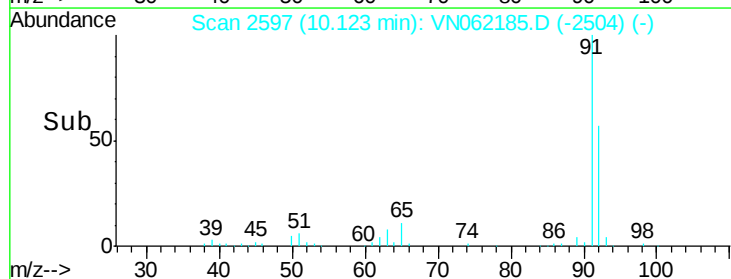
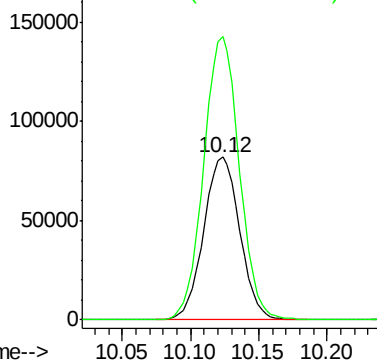
92 100

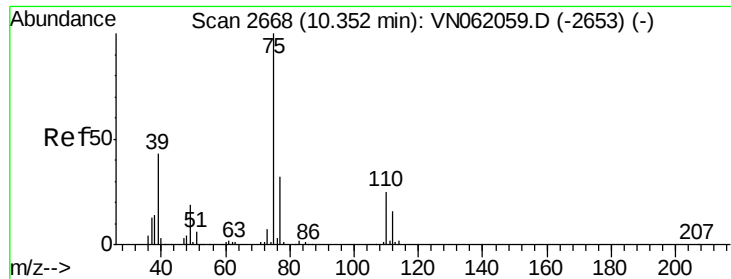
91 172.6 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





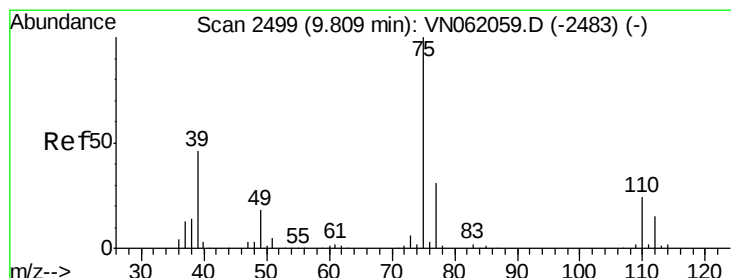
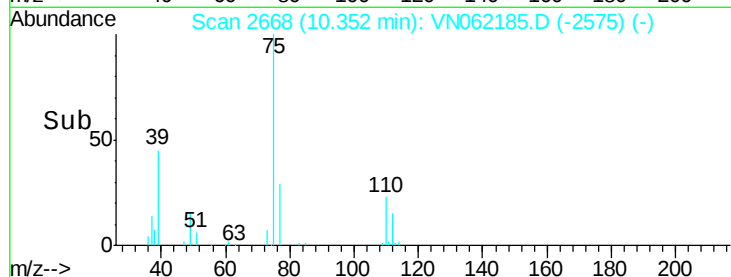
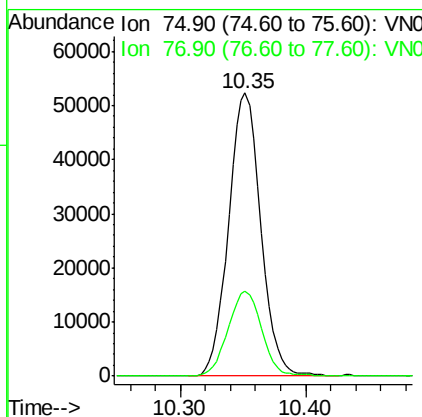
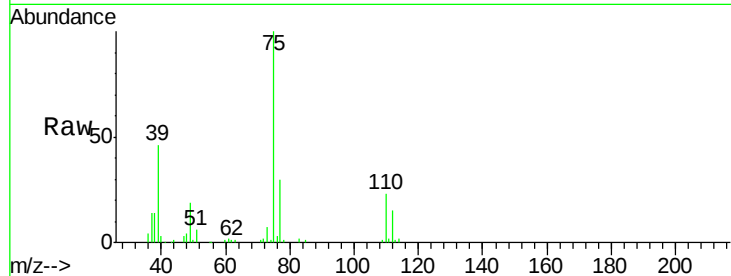
#53  
 t-1,3-Dichloropropene  
 Concen: 19.740 ug/l  
 RT: 10.35 min Scan# 2668  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0629MBS01

Tot Ion: 75 Resp: 93258  
 Ion Ratio Lower Upper  
 75 100  
 77 29.9 25.5 38.3

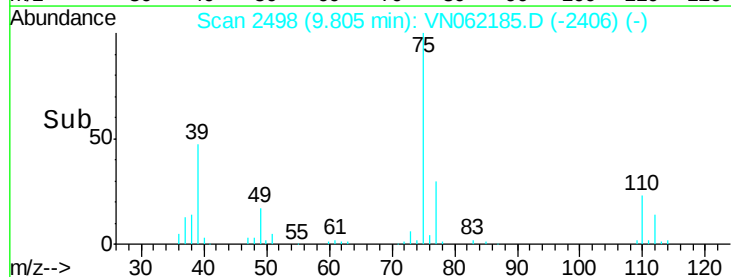
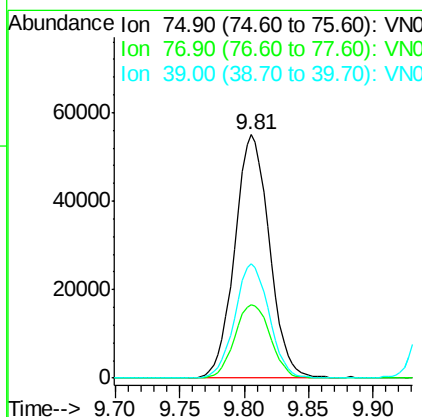
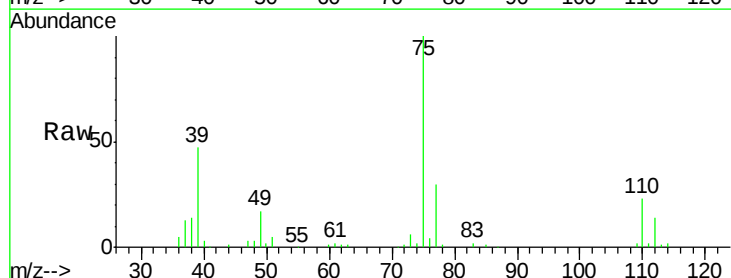
Manual Integrations  
 APPROVED

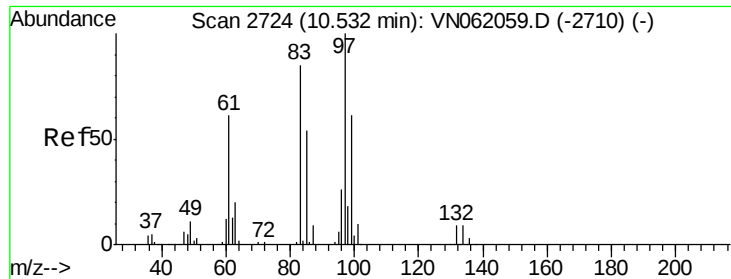
MMDadoda  
 6/30/2020 10:43:34 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.494 ug/l  
 RT: 9.81 min Scan# 2498  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Tgt Ion: 75 Resp: 103080  
 Ion Ratio Lower Upper  
 75 100  
 77 29.9 25.0 37.6  
 39 46.9 36.9 55.3





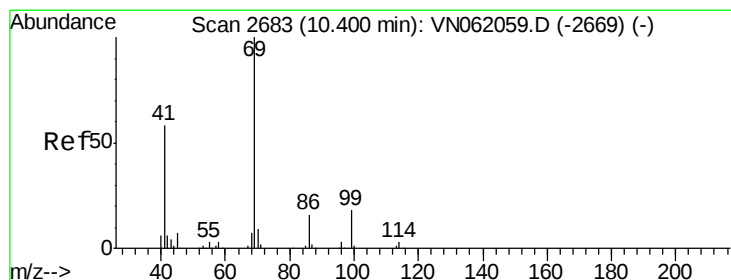
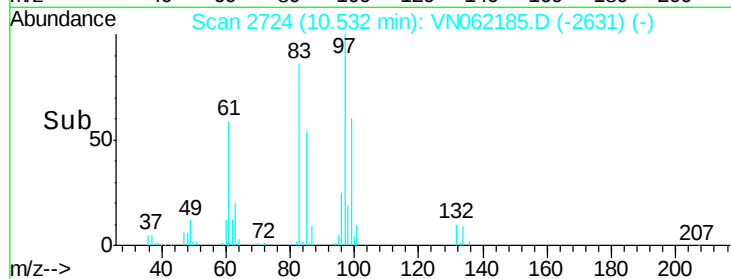
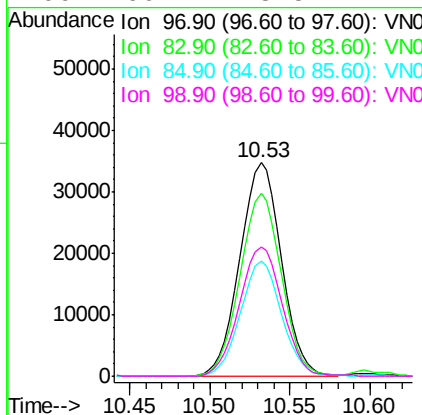
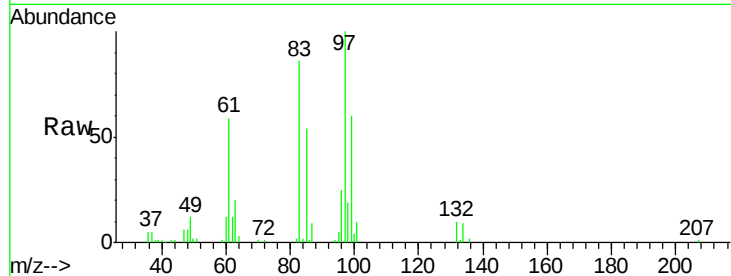
#55  
 1,1,2-Trichloroethane  
 Concen: 20.151 ug/l  
 RT: 10.53 min Scan# 2724  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 85.7  | 68.2  | 102.2 |
| 85      | 54.0  | 43.2  | 64.8  |
| 99      | 60.4  | 48.5  | 72.7  |

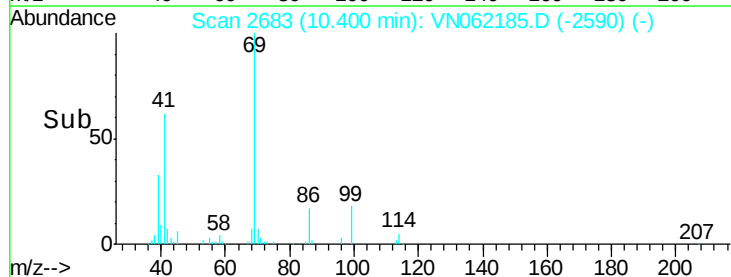
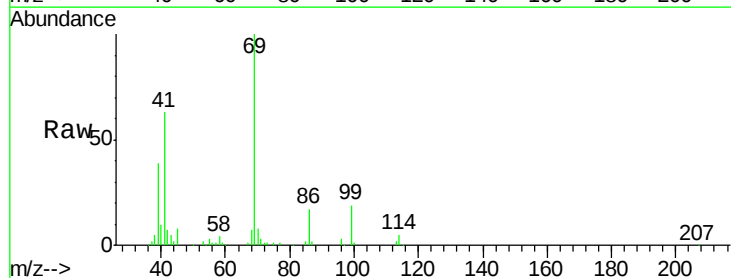
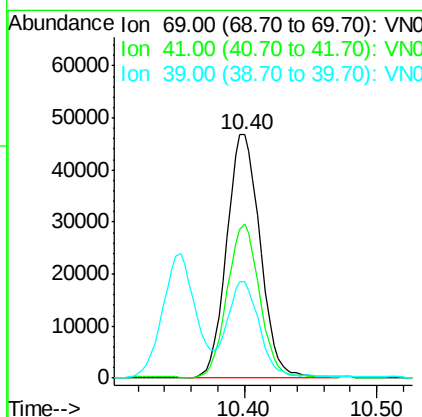
Manual Integrations  
 APPROVED

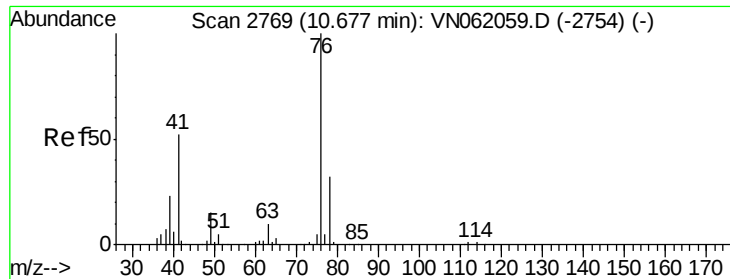
MMDadoda  
 6/30/2020 10:43:34 AM



#56  
 Ethyl methacrylate  
 Concen: 20.221 ug/l  
 RT: 10.40 min Scan# 2683  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 61.7  | 46.6  | 70.0  |
| 39      | 36.5  | 31.0  | 46.4  |





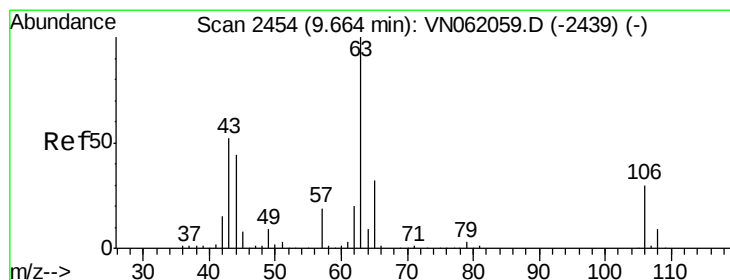
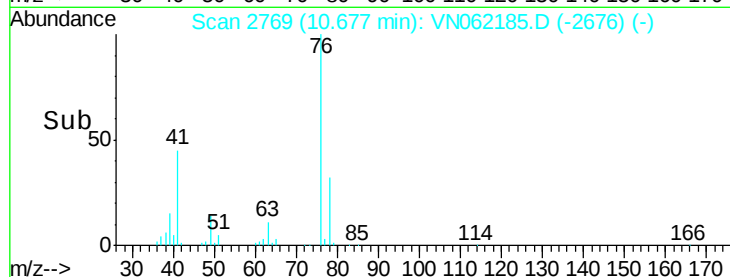
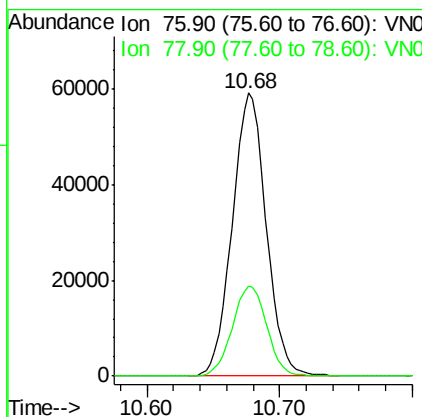
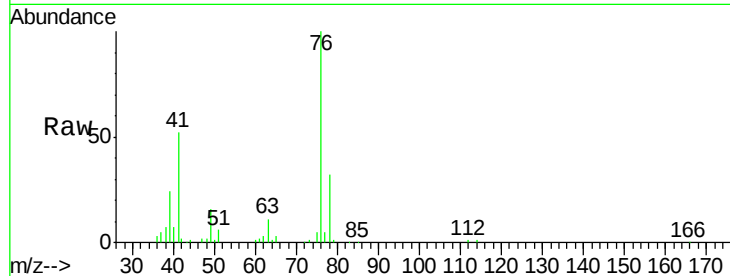
#57  
 1,3-Dichloropropane  
 Concen: 20.021 ug/l  
 RT: 10.68 min Scan# 2769  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0629MBS01

Tot Ion: 76 Resp: 105090  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 25.8 38.8

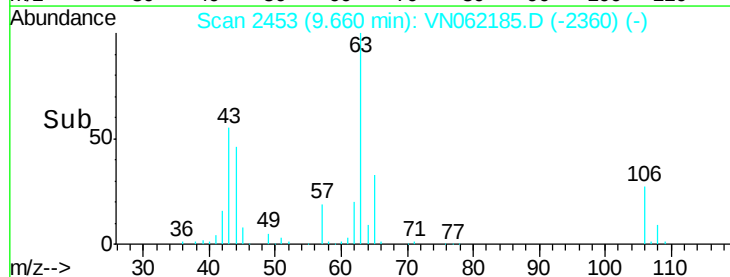
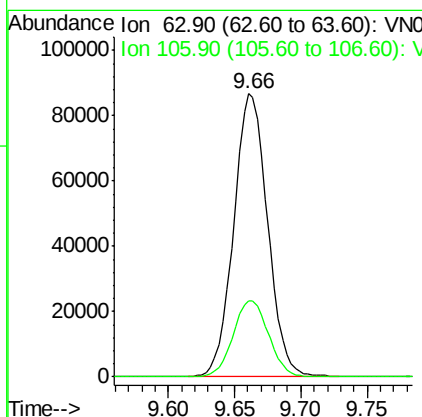
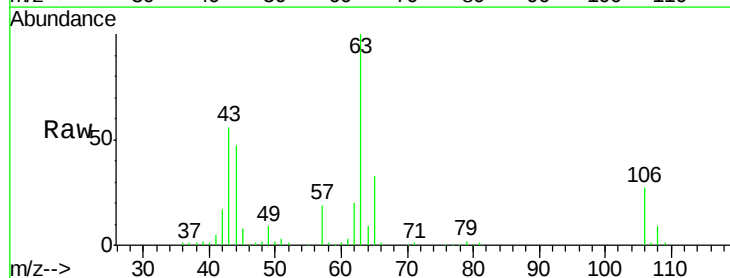
Manual Integrations  
 APPROVED

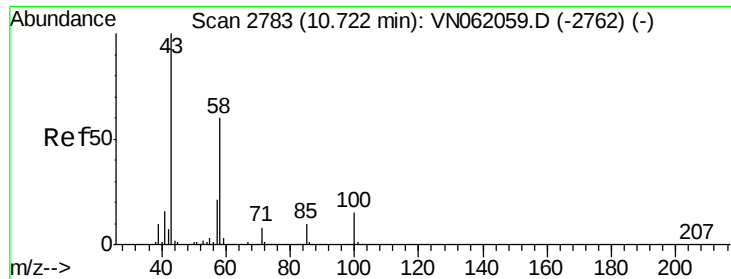
MMDadoda  
 6/30/2020 10:43:34 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 99.229 ug/l  
 RT: 9.66 min Scan# 2453  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Tgt Ion: 63 Resp: 153952  
 Ion Ratio Lower Upper  
 63 100  
 106 28.2 23.2 34.8





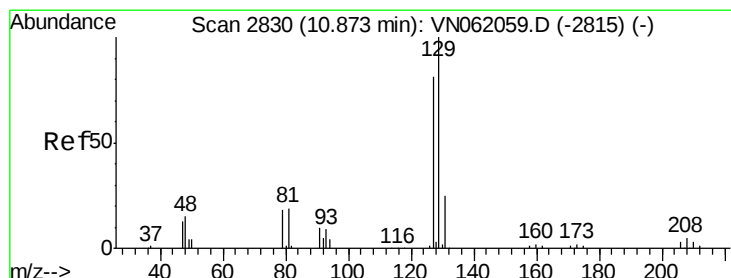
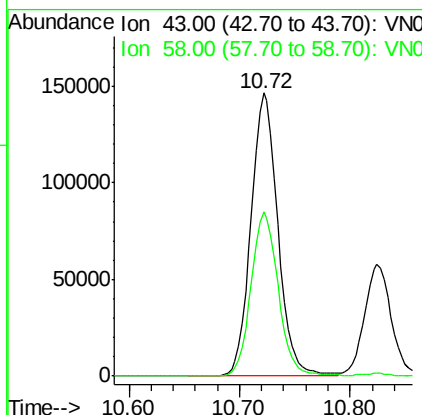
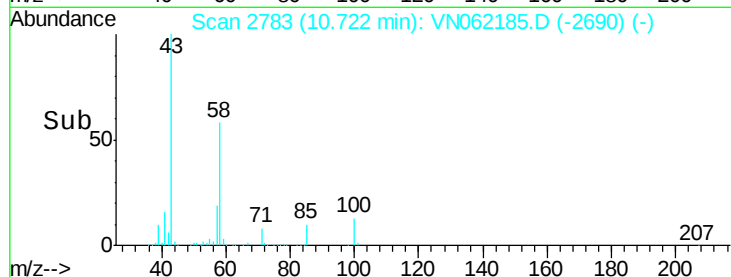
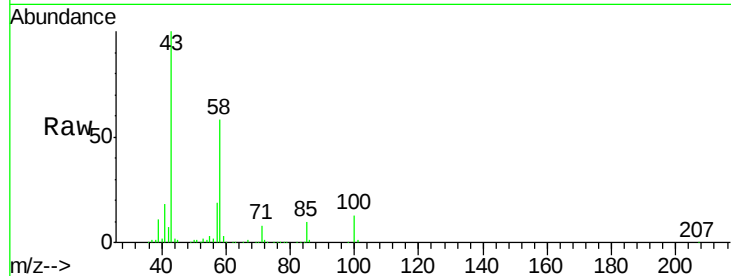
#59  
2-Hexanone  
Concen: 104.395 ug/l  
RT: 10.72 min Scan# 2783  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

| Tot Ion   | 43   | Resp  | 248010 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 58.5 | 29.5  | 88.5   |

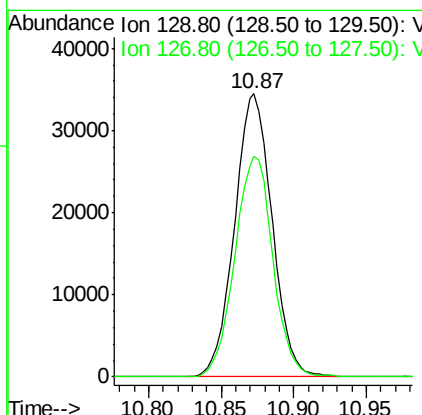
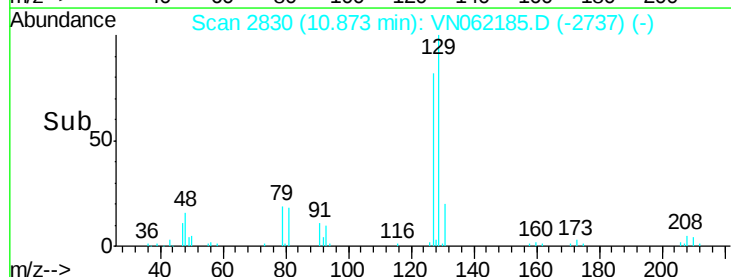
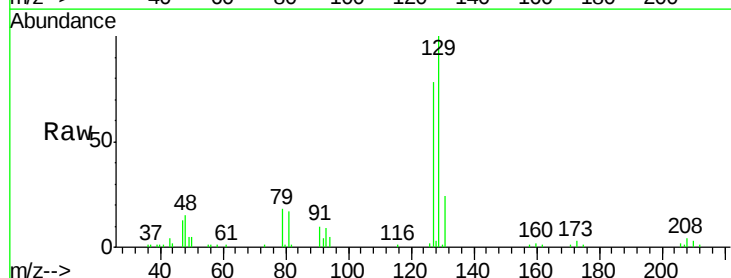
Manual Integrations  
APPROVED

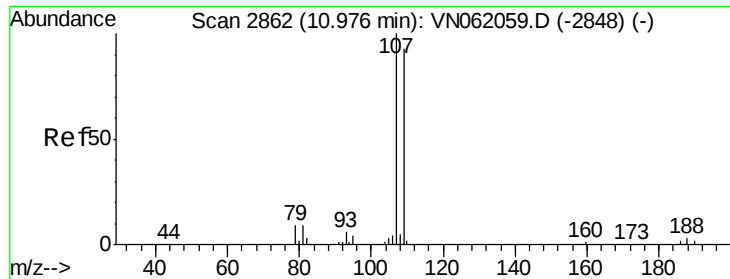
MMDadoda  
6/30/2020 10:43:34 AM



#60  
Dibromochloromethane  
Concen: 19.206 ug/l  
RT: 10.87 min Scan# 2830  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion   | 129  | Resp  | 62010 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 129       | 100  |       |       |
| 127       | 78.7 | 39.5  | 118.5 |





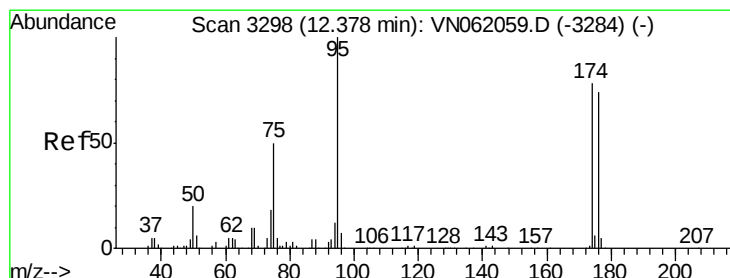
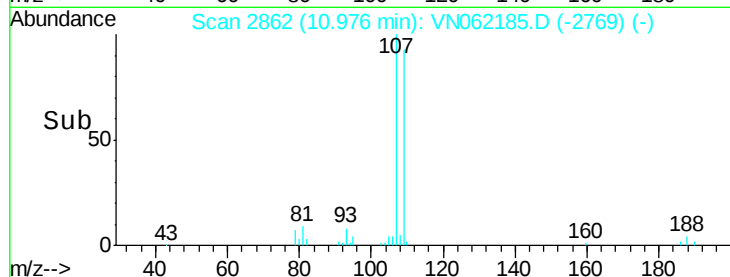
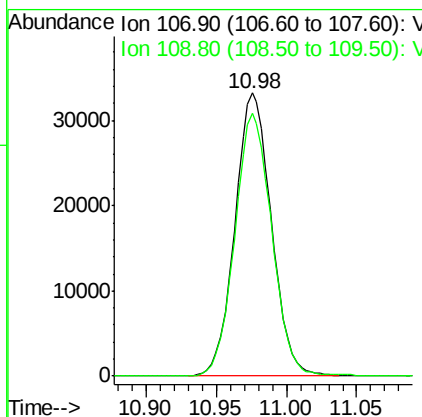
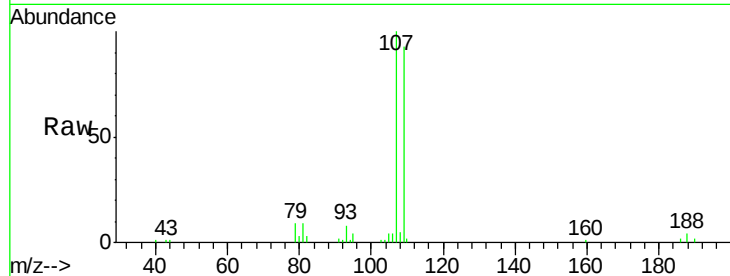
#61  
 1,2-Dibromoethane  
 Concen: 19.142 ug/l  
 RT: 10.98 min Scan# 2862  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.0  | 75.0  | 112.6 |

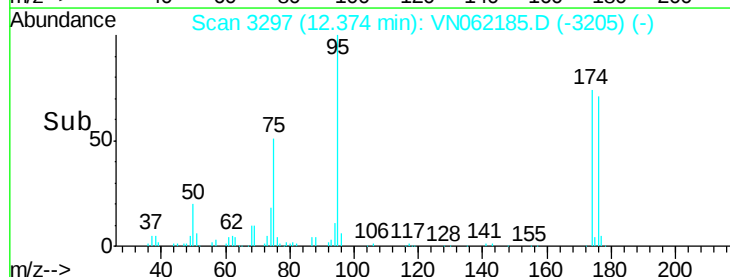
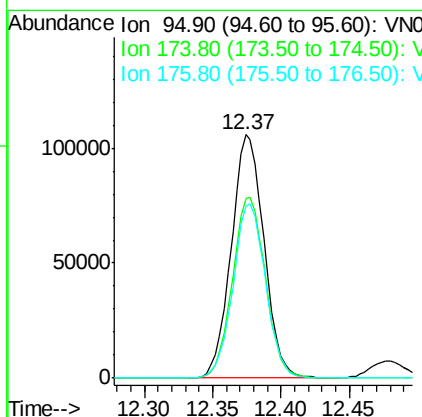
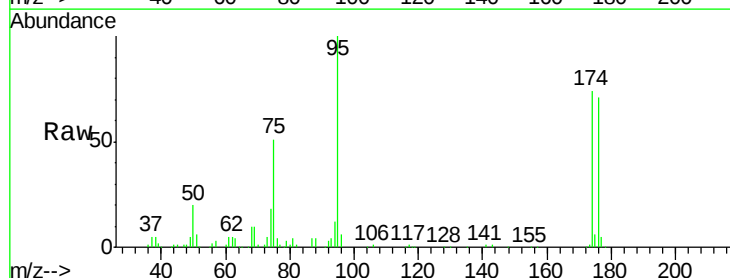
Manual Integrations  
 APPROVED

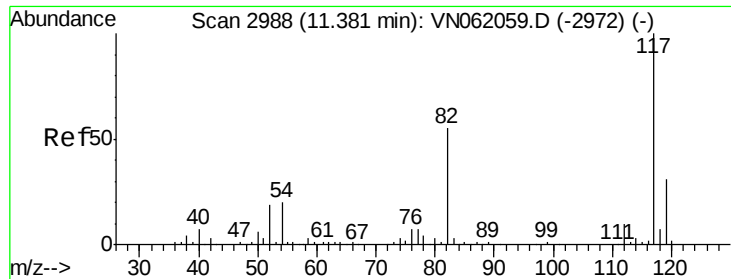
MMDadoda  
 6/30/2020 10:43:34 AM



#62  
 4-Bromofluorobenzene  
 Concen: 48.986 ug/l  
 RT: 12.37 min Scan# 3297  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 74.9  | 0.0   | 154.8 |
| 176     | 71.0  | 0.0   | 147.4 |





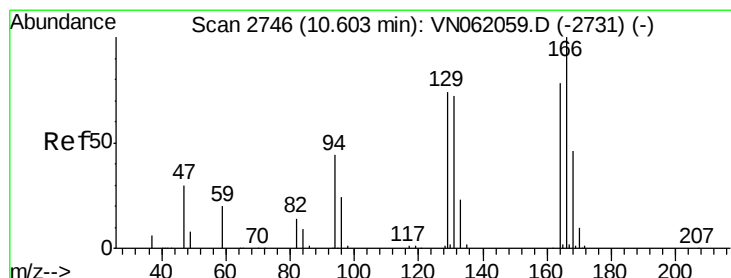
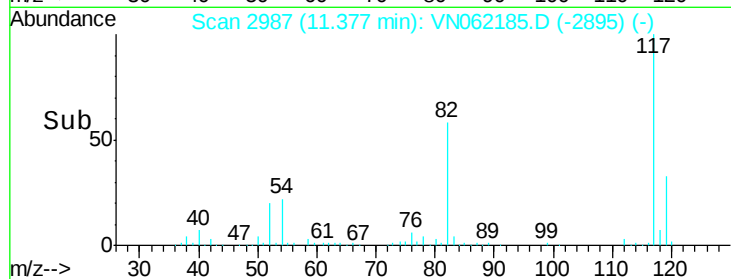
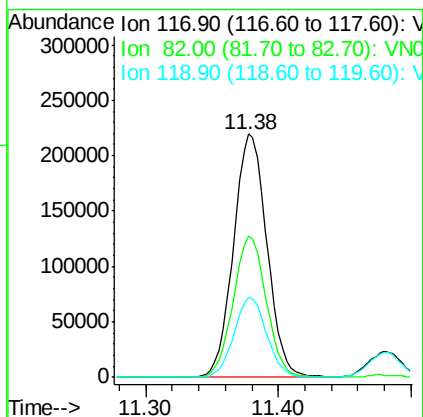
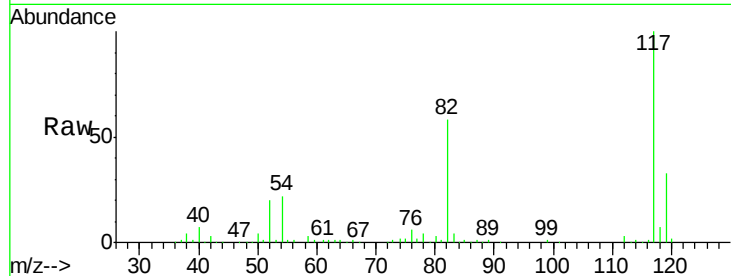
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2987  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.2  | 43.8  | 65.8  |
| 119     | 32.8  | 25.2  | 37.8  |

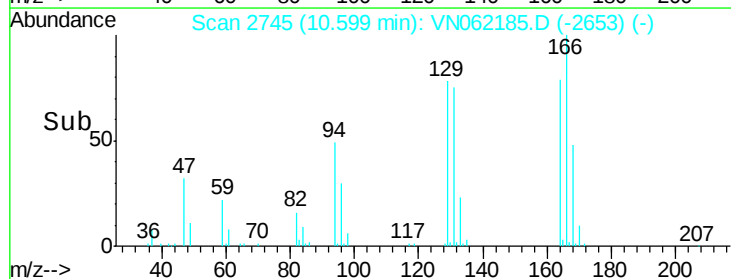
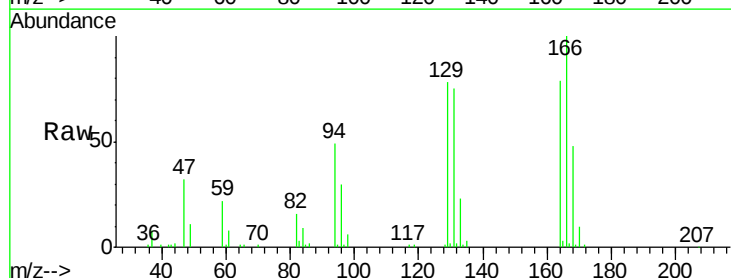
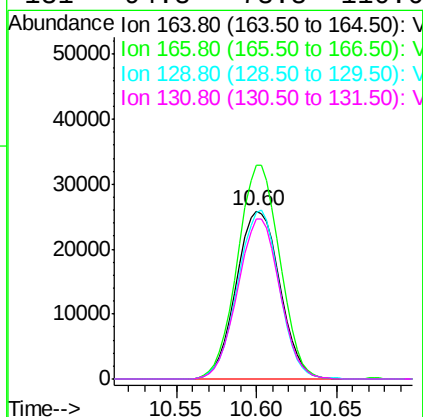
Manual Integrations  
APPROVED

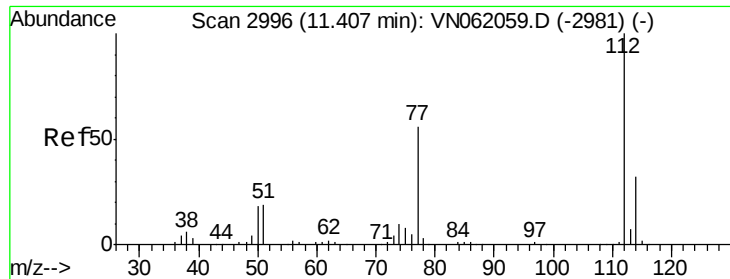
MMDadoda  
6/30/2020 10:43:34 AM



#64  
Tetrachloroethene  
Concen: 18.369 ug/l  
RT: 10.60 min Scan# 2745  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.9 | 102.9 | 154.3 |
| 129     | 98.9  | 75.8  | 113.8 |
| 131     | 94.8  | 73.8  | 110.6 |





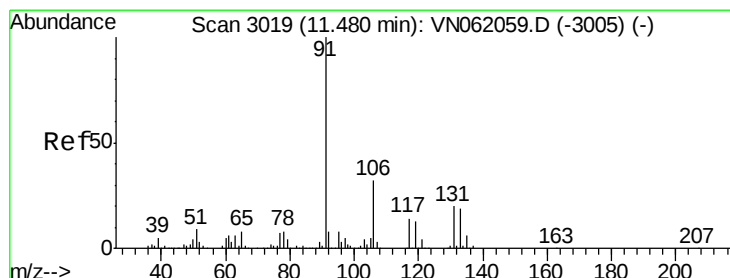
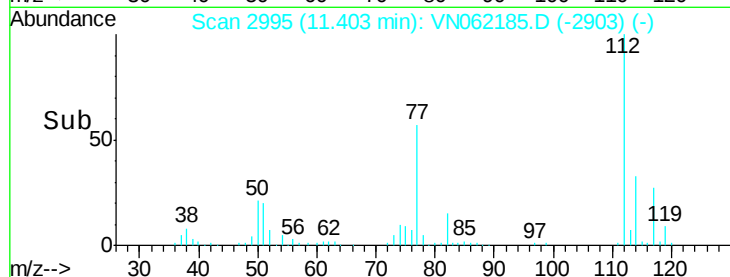
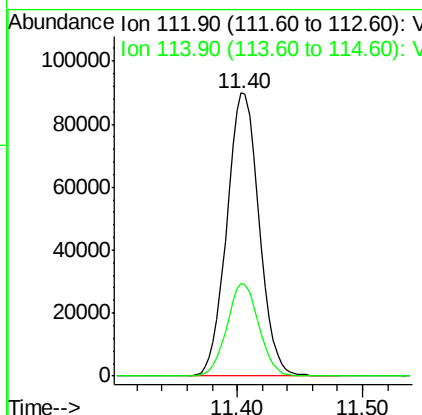
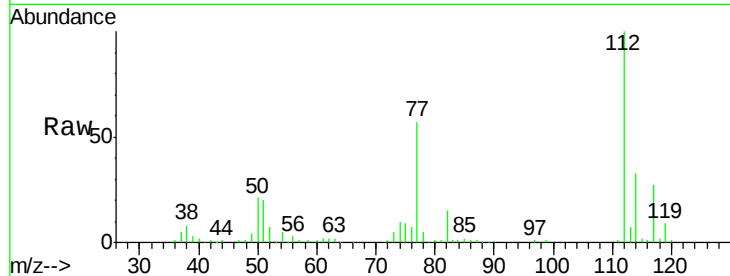
#65  
Chlorobenzene  
Concen: 19.015 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0629MBS01

Tot Ion:112 Resp: 160335  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.8 38.8

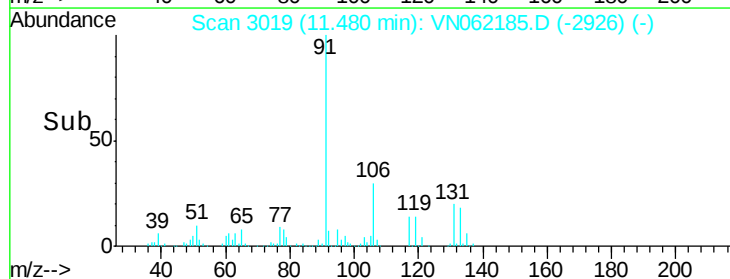
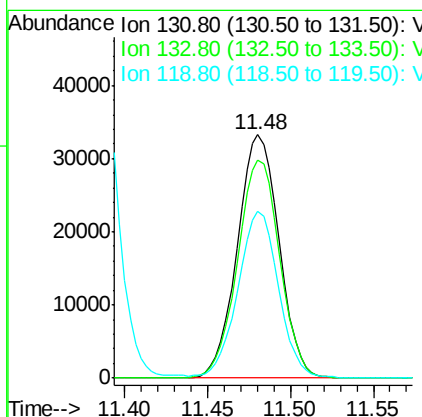
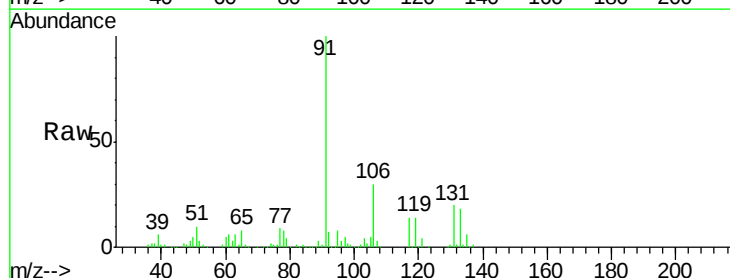
Manual Integrations  
APPROVED

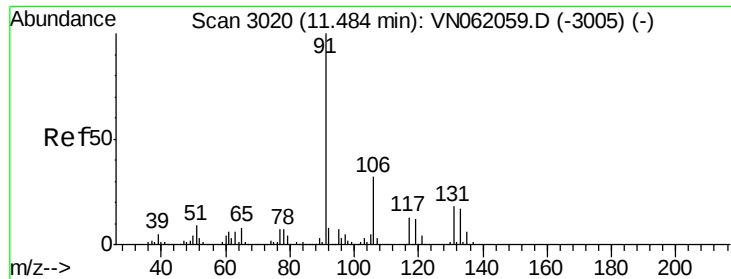
MMDadoda  
6/30/2020 10:43:34 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.938 ug/l  
RT: 11.48 min Scan# 3019  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Tgt Ion:131 Resp: 58134  
Ion Ratio Lower Upper  
131 100  
133 90.6 47.6 142.9  
119 67.1 34.4 103.3





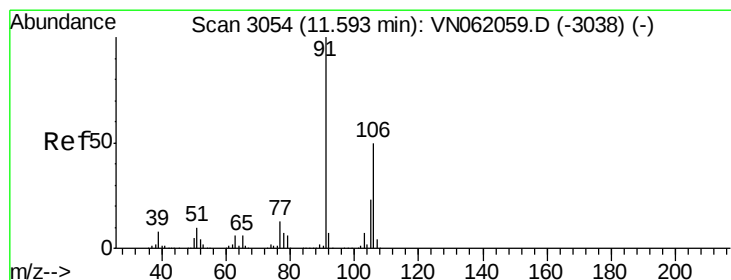
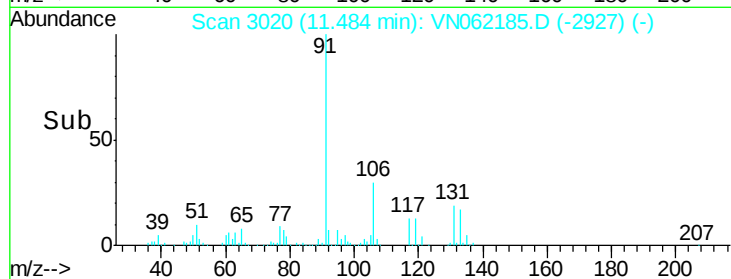
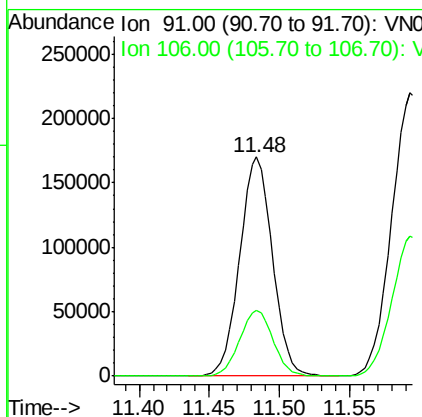
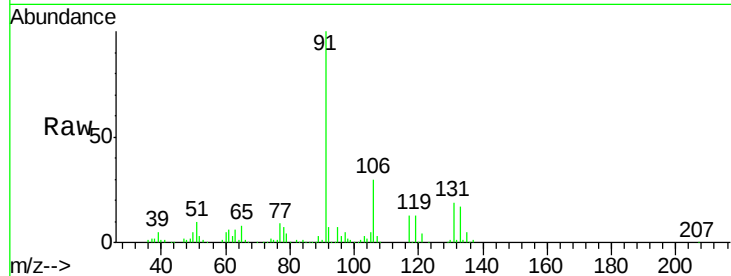
#67  
Ethyl Benzene  
Concen: 19.450 ug/l  
RT: 11.48 min Scan# 3020  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

| Tot Ion   | 91   | Resp  | 276993 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 106       | 30.2 | 25.3  | 37.9   |

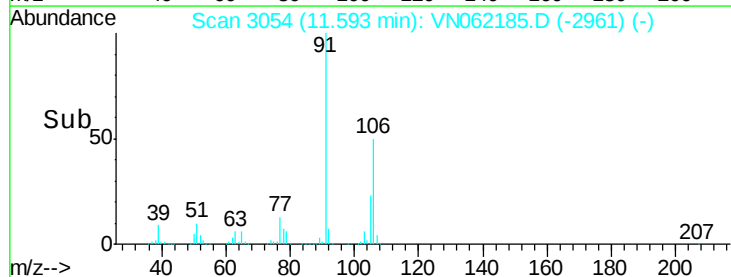
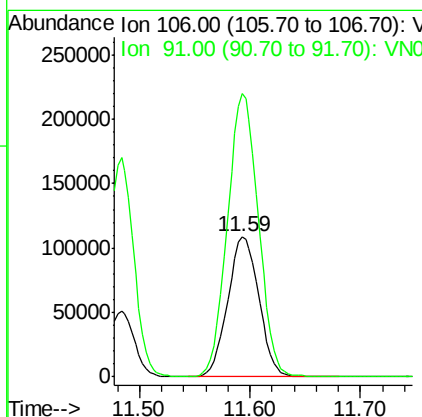
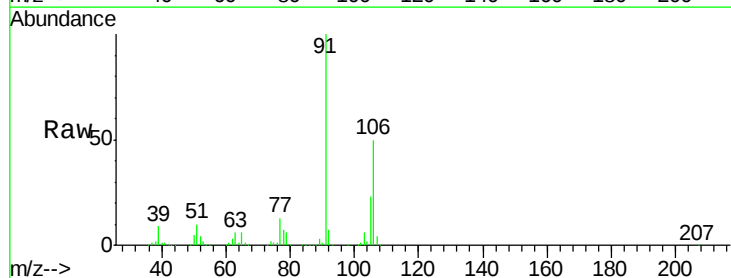
Manual Integrations  
APPROVED

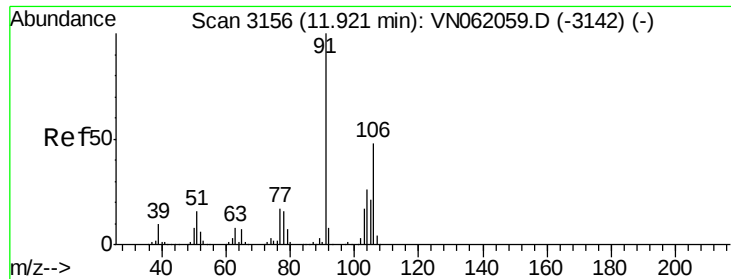
MMDadoda  
6/30/2020 10:43:34 AM



#68  
m/p-Xylenes  
Concen: 38.665 ug/l  
RT: 11.59 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion                                              | 106   | Resp  | 212975 |
|------------------------------------------------------|-------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100   | Lower | Upper  |
| 91                                                   | 200.4 | 157.8 | 236.8  |





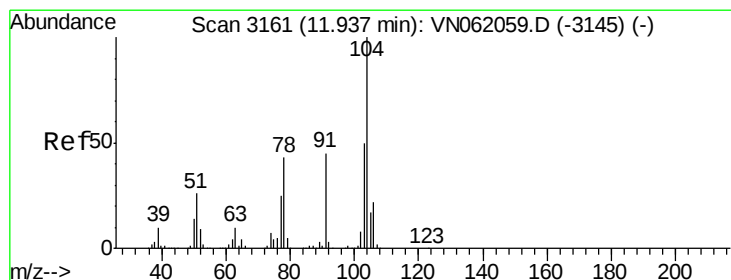
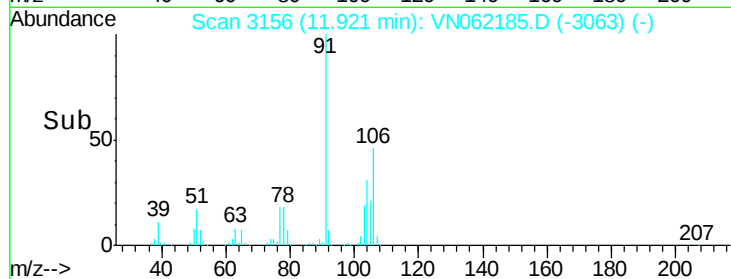
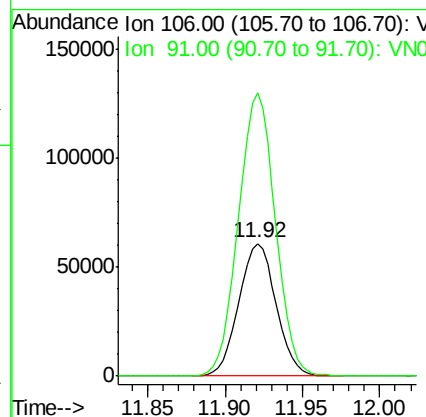
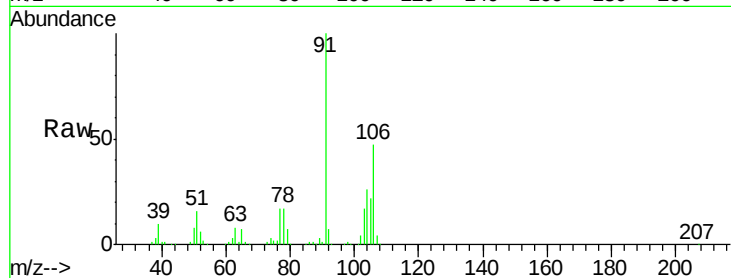
#69  
o-Xylene  
Concen: 19.634 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0629MBS01

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |       |
| 91      | 211.9 | 104.0 | 311.9 |       |       |

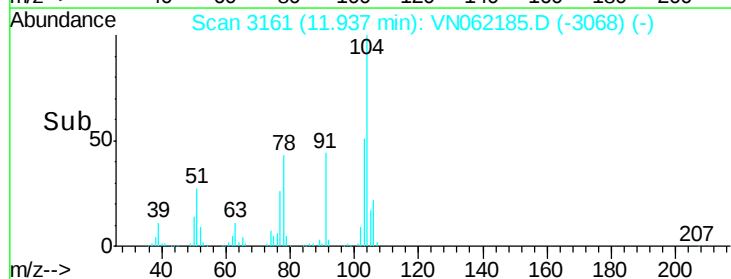
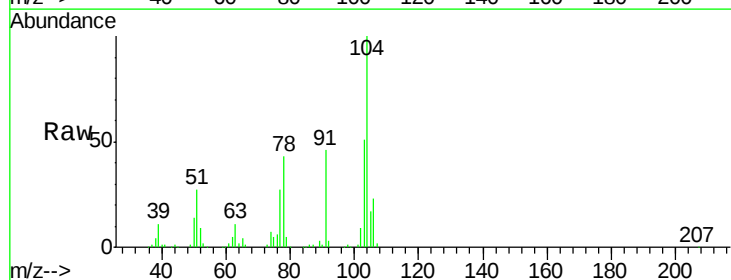
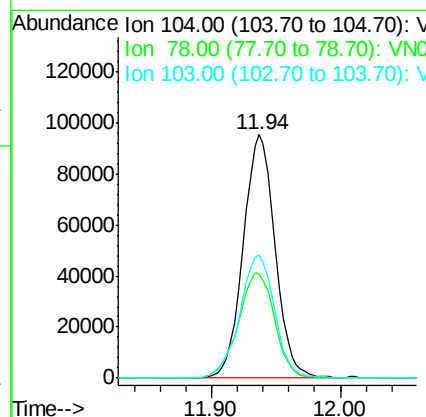
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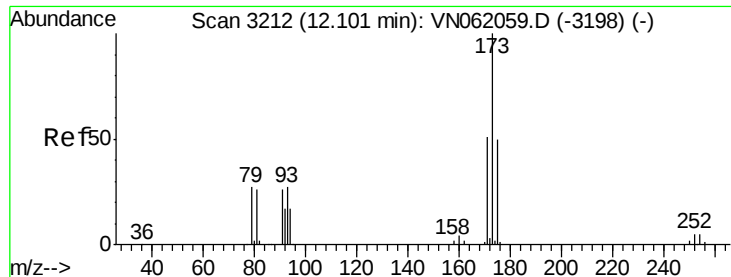
MMDadoda  
6/30/2020 10:43:34 AM



#70  
Styrene  
Concen: 18.936 ug/l  
RT: 11.94 min Scan# 3161  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 104     | 100  |       |      |       |       |
| 78      | 49.0 | 37.7  | 56.5 |       |       |
| 103     | 55.1 | 43.0  | 64.6 |       |       |





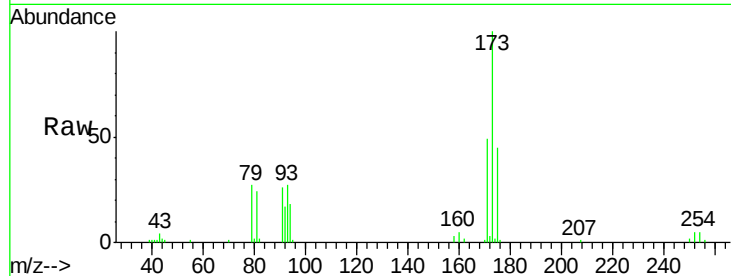
#71  
Bromoform  
Concen: 19.208 ug/l  
RT: 12.10 min Scan# 3212  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

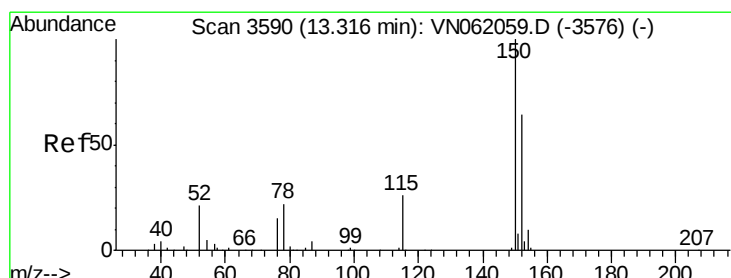
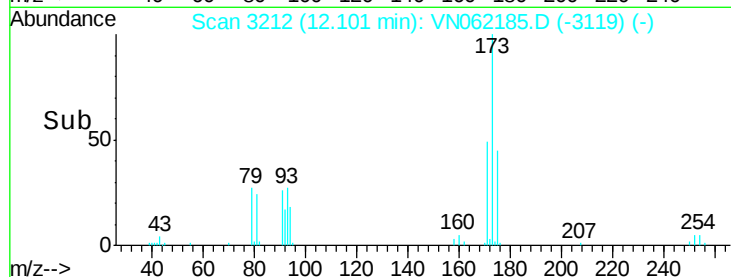
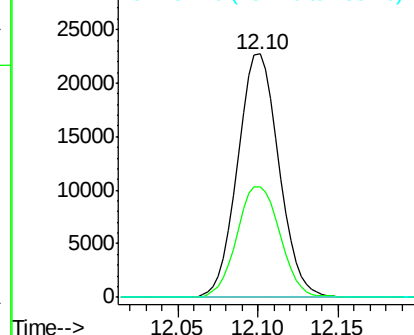
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.8  | 24.7  | 74.1  |
| 254     | 0.0   | 0.0   | 0.0   |

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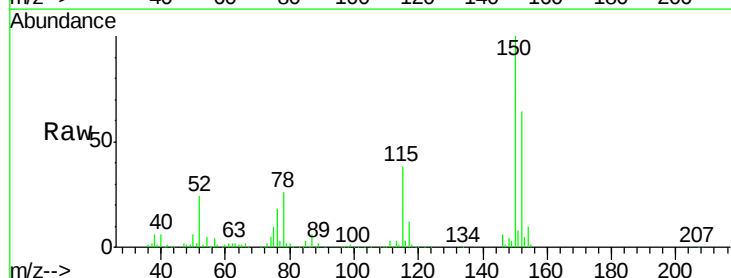


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

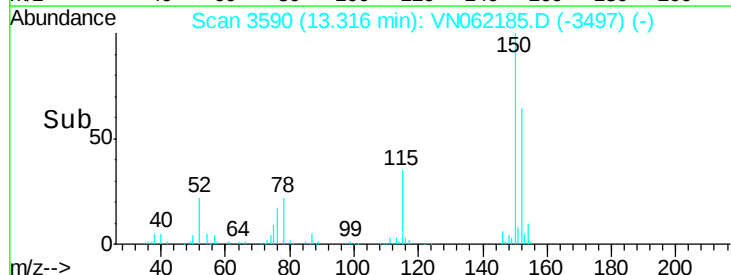
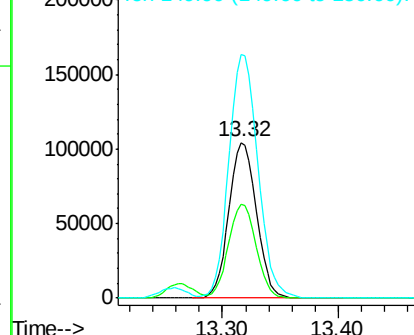


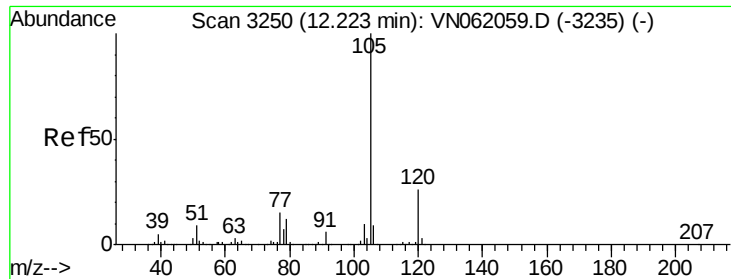
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3590  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.6  | 29.5  | 88.5  |
| 150     | 164.2 | 0.0   | 351.4 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.974 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0629MBS01

Tot Ion: 105 Resp: 264734

Ion Ratio Lower Upper

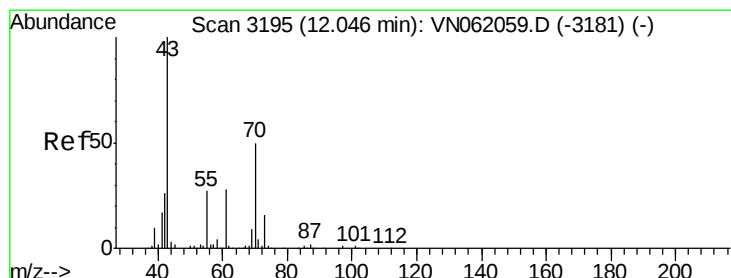
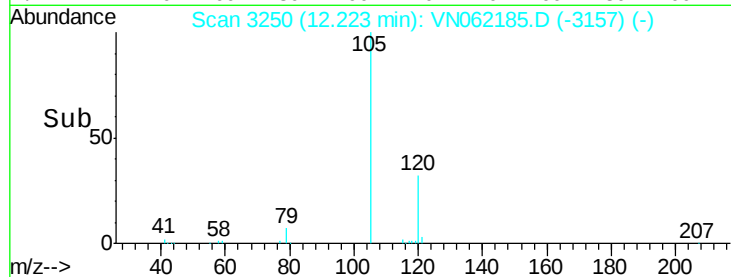
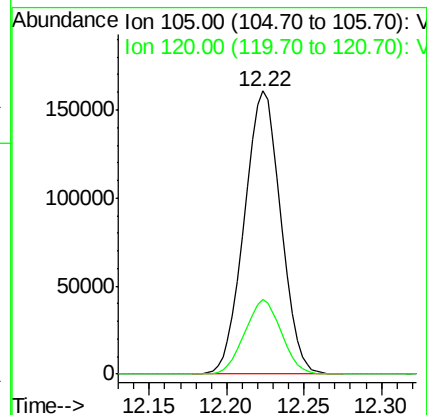
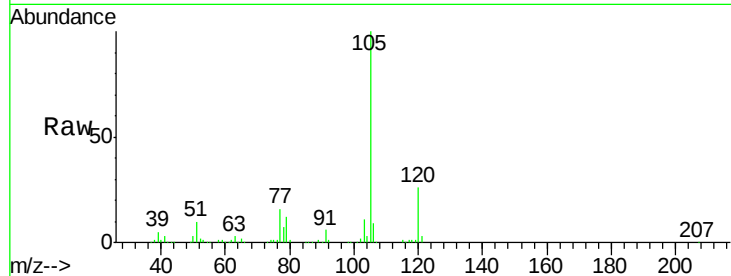
105 100

120 26.3 13.2 39.6

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#74

N-ethyl acetate

Concen: 20.912 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Tgt Ion: 43 Resp: 91860

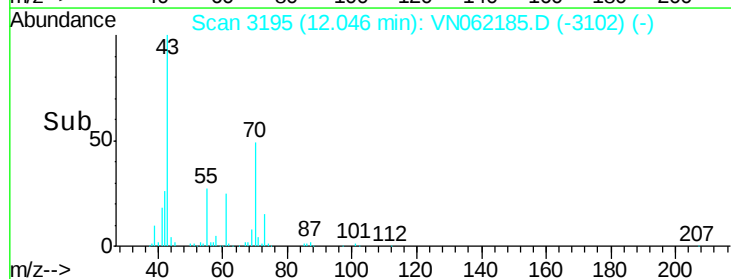
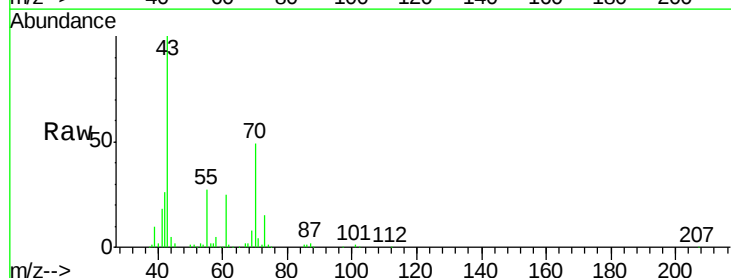
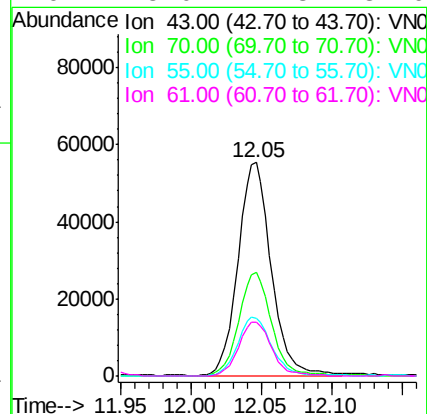
Ion Ratio Lower Upper

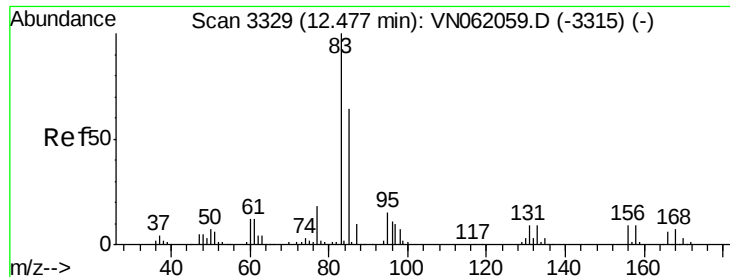
43 100

70 47.5 39.4 59.2

55 28.2 21.7 32.5

61 25.0 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.088 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

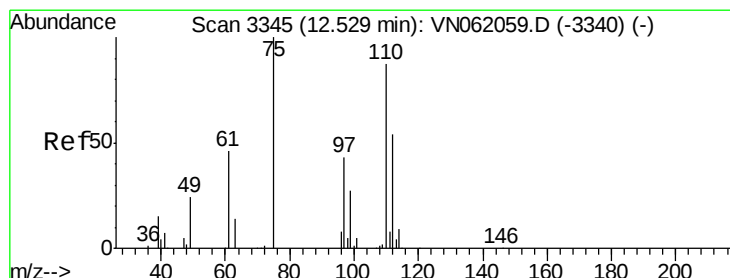
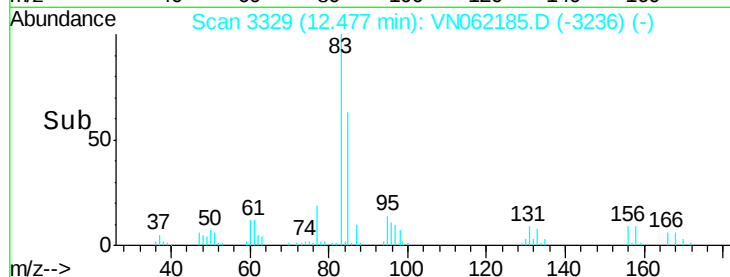
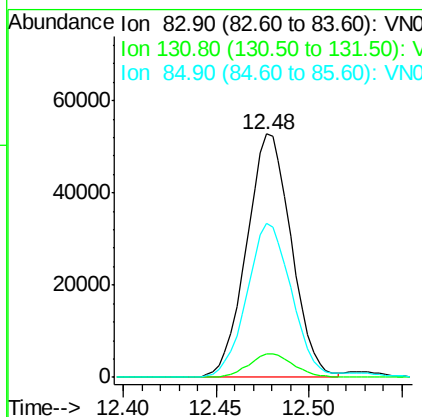
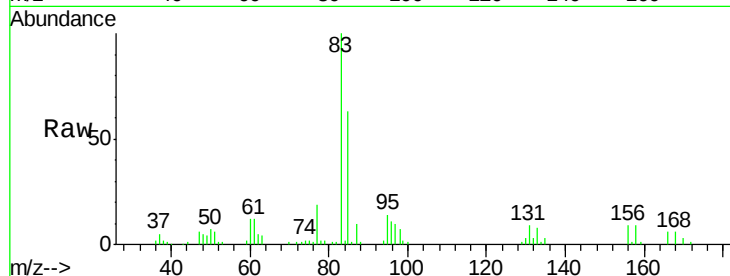
ClientSampleId :

VN0629MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 88600 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.6   | 4.8   | 14.4  |
| 85        | 63.3  | 32.4  | 97.0  |

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#76

1,2,3-Trichloropropane

Concen: 18.311 ug/l m

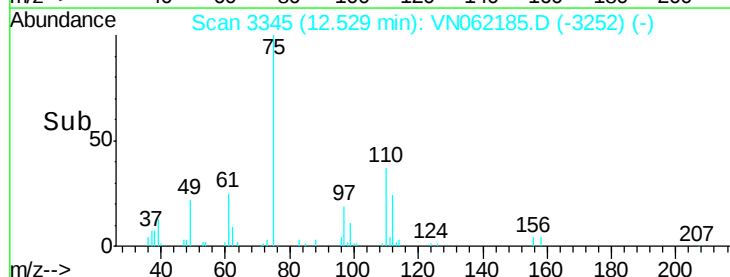
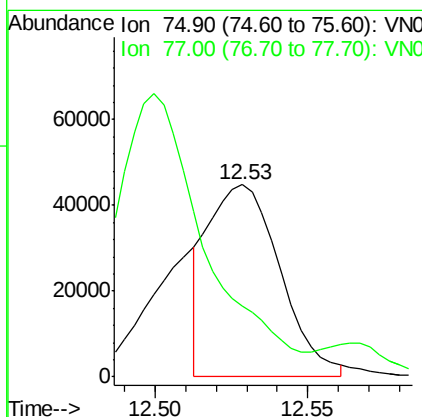
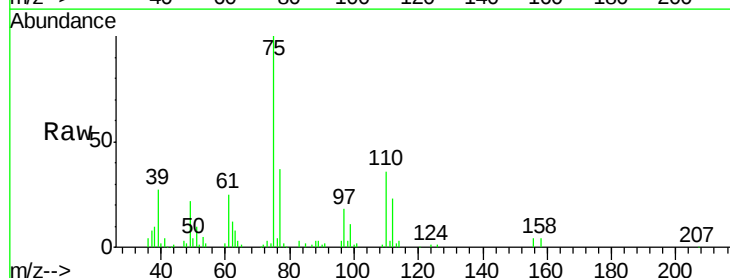
RT: 12.53 min Scan# 3345

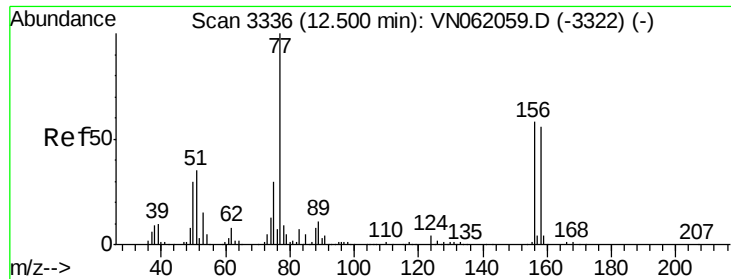
Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 73807 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 19.123 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

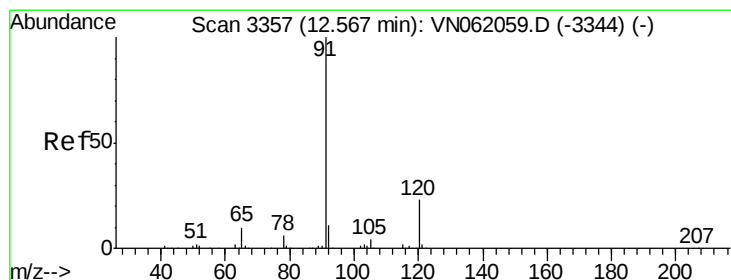
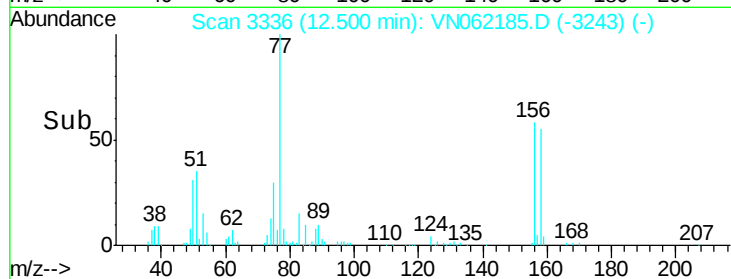
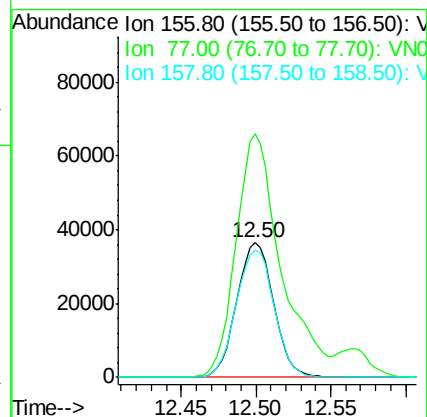
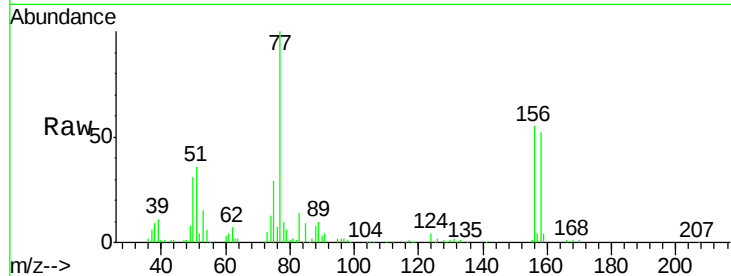
ClientSampleId :

VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 220.1 | 104.6 | 313.8 |
| 158     | 97.1  | 48.0  | 144.0 |

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#78

n-propylbenzene

Concen: 20.384 ug/l

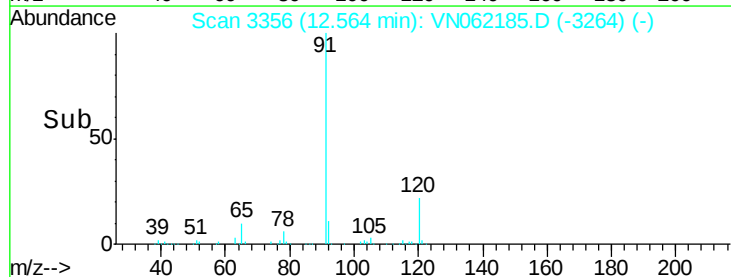
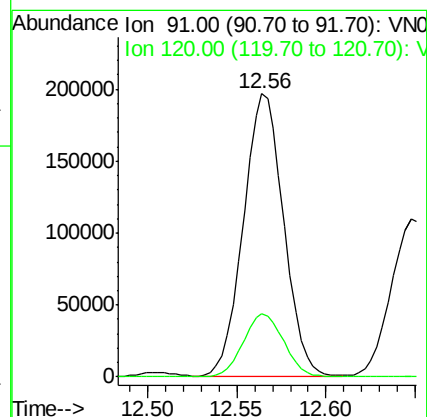
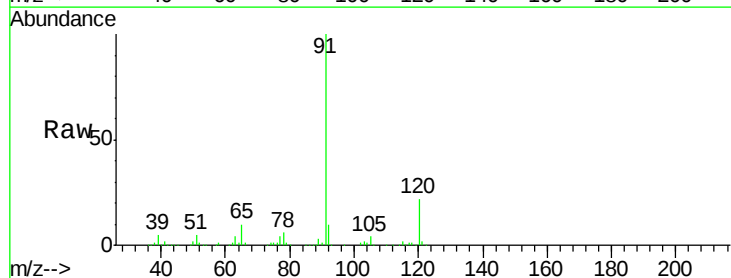
RT: 12.56 min Scan# 3356

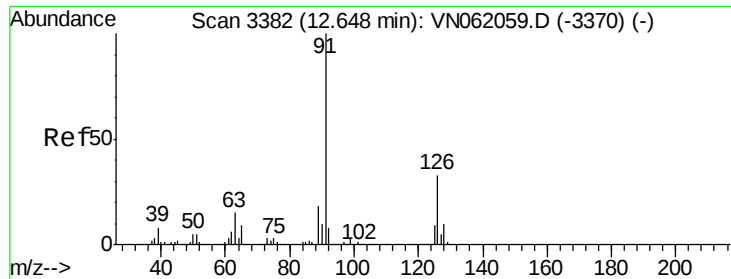
Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.5  | 11.4  | 34.1  |





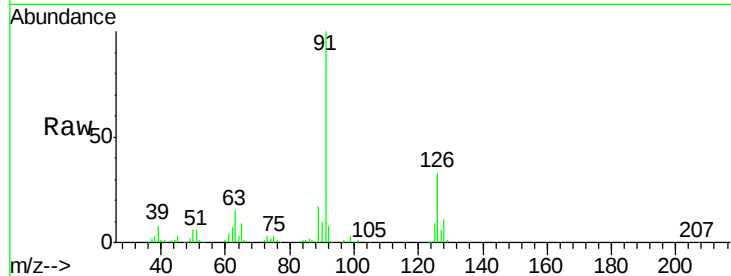
#79  
 2-Chlorotoluene  
 Concen: 19.811 ug/l  
 RT: 12.65 min Scan# 3382  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0629MBS01

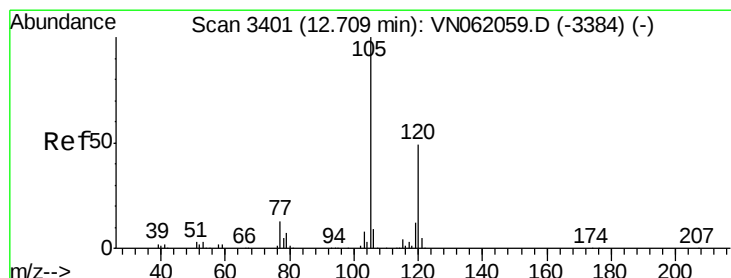
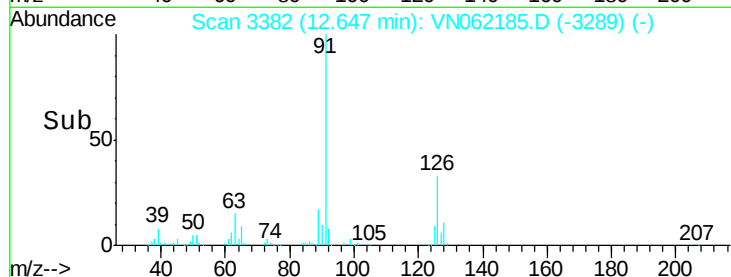
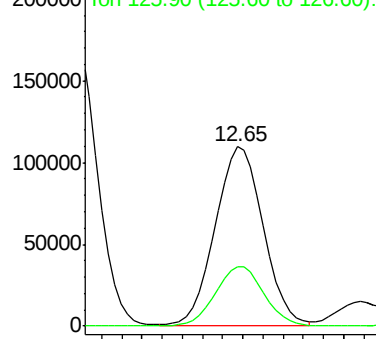
Tot Ion: 91 Resp: 181569  
 Ion Ratio Lower Upper  
 91 100  
 126 33.7 16.9 50.7

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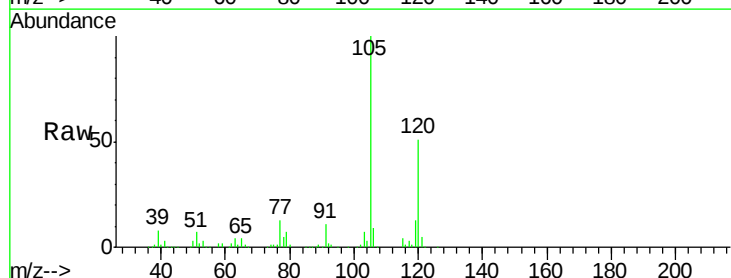


Abundance Ion 91.00 (90.70 to 91.70): VN062185.D (-3382) (-)  
 Ion 125.90 (125.60 to 126.60): VN062185.D (-3382) (-)

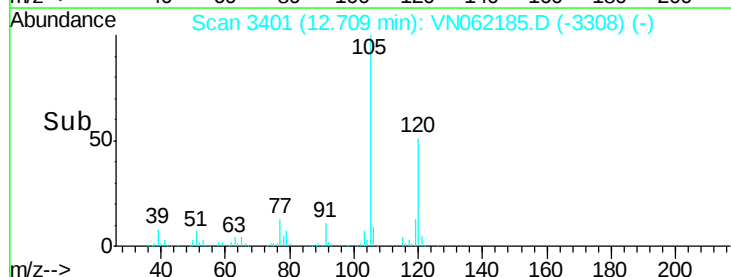
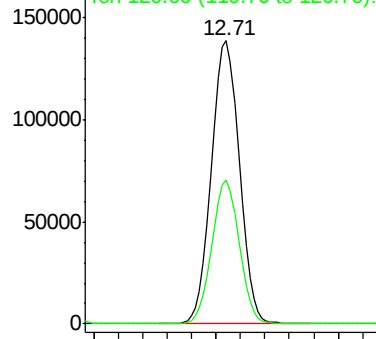


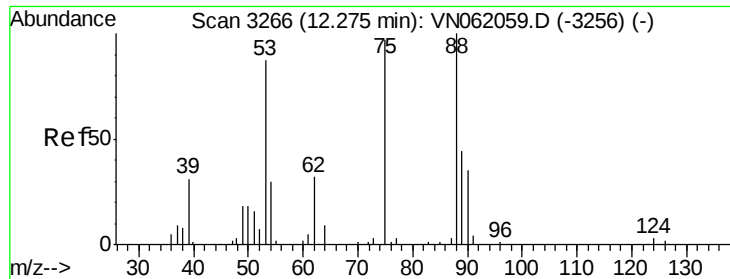
#80  
 1,3,5-Trimethylbenzene  
 Concen: 20.490 ug/l  
 RT: 12.71 min Scan# 3401  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Tgt Ion: 105 Resp: 220147  
 Ion Ratio Lower Upper  
 105 100  
 120 49.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN062185.D (-3399) (-)  
 Ion 120.00 (119.70 to 120.70): VN062185.D (-3399) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.684 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0629MBS01

Tot Ion: 75 Resp: 27168

Ion Ratio Lower Upper

75 100

53 94.5 72.0 108.0

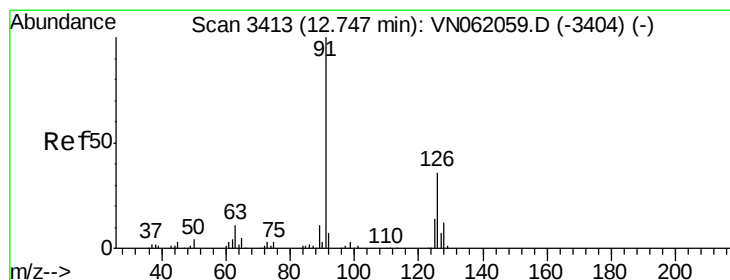
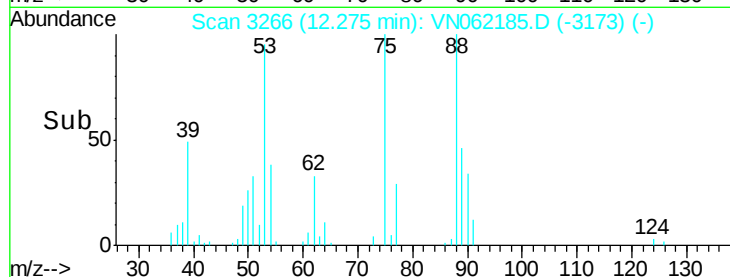
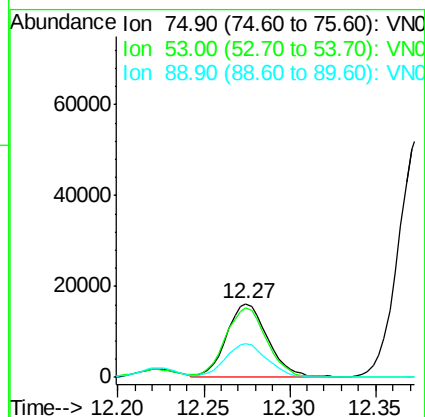
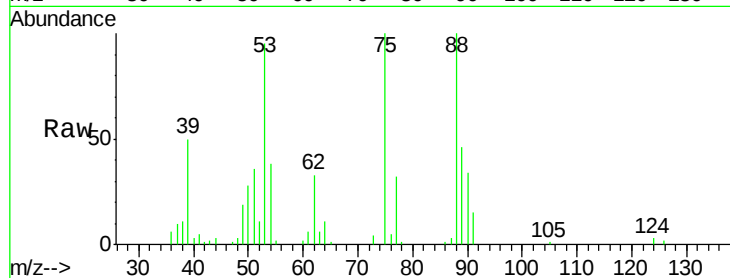
89 45.9 36.9 55.3

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#82

4-Chlorotoluene

Concen: 19.933 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062185.D

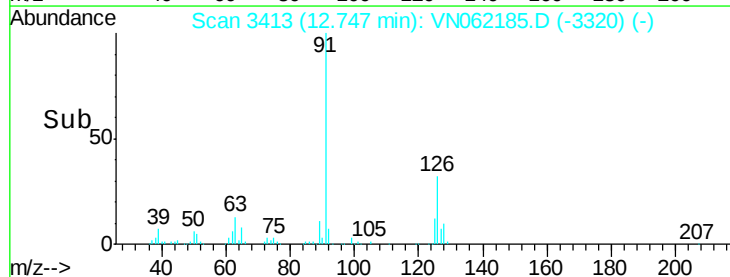
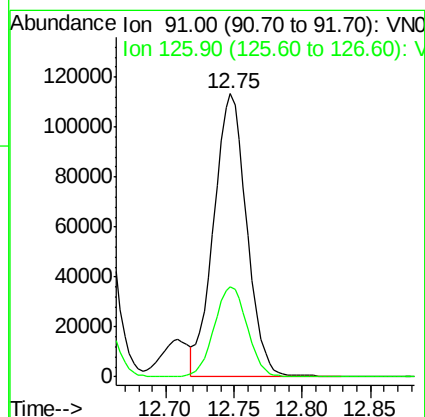
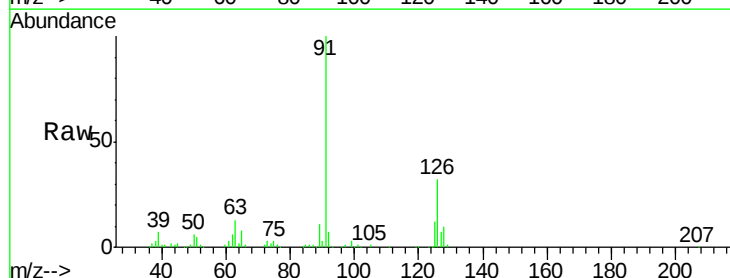
Acq: 29 Jun 2020 14:05

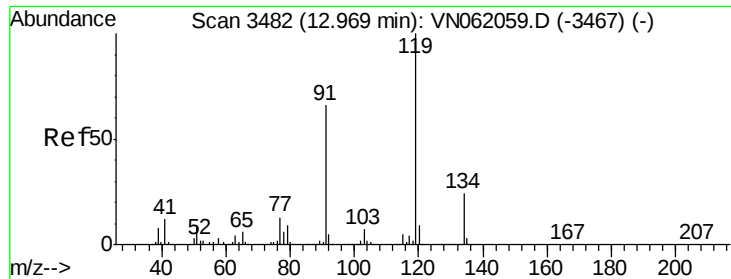
Tgt Ion: 91 Resp: 188919

Ion Ratio Lower Upper

91 100

126 32.3 16.7 50.1





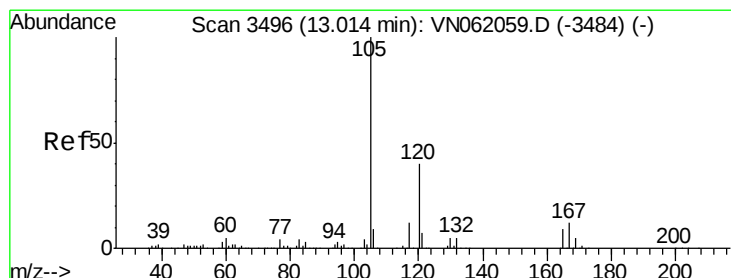
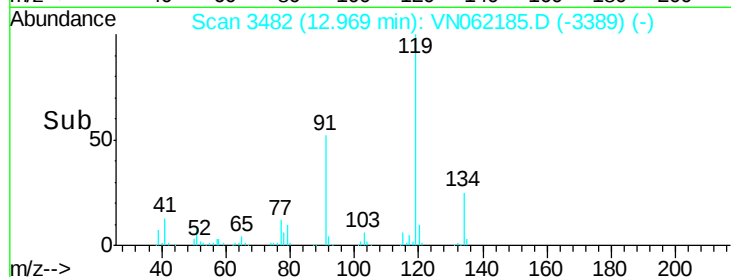
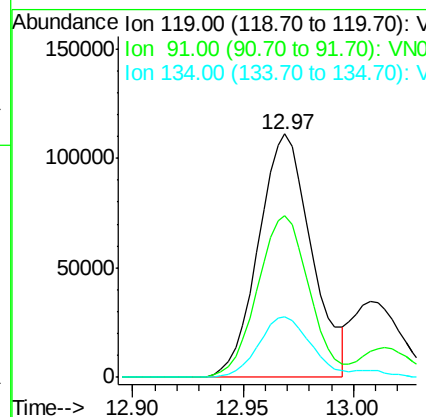
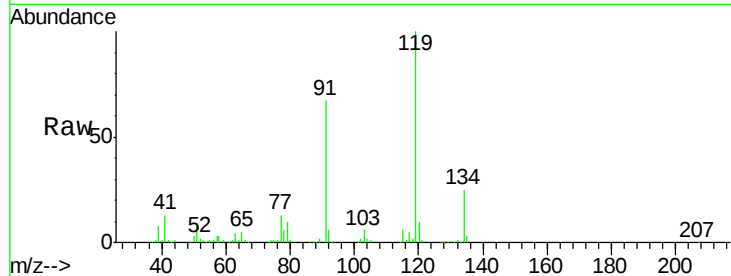
#83  
tert-Butylbenzene  
Concen: 20.176 ug/l  
RT: 12.97 min Scan# 3482  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 185517 |       |       |
| 91      | 65.2  | 31.7   | 95.1  |       |
| 134     | 24.6  | 13.1   | 39.1  |       |

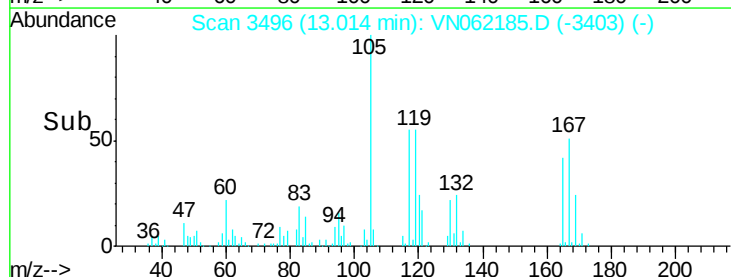
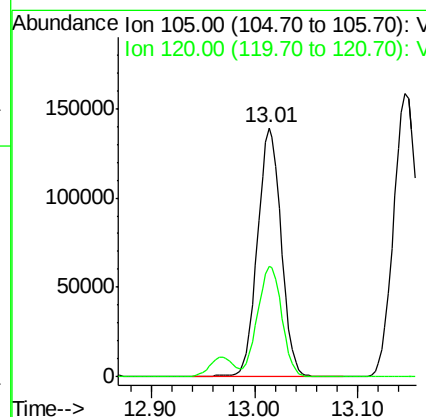
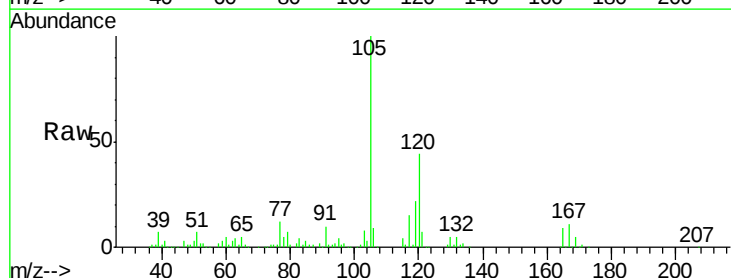
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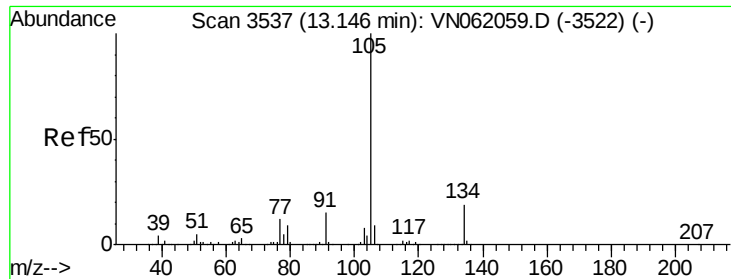
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 20.629 ug/l  
RT: 13.01 min Scan# 3496  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 221365 |       |       |
| 120     | 45.7  | 23.2   | 69.5  |       |





#85

sec-Butylbenzene

Concen: 20.855 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0629MBS01

Tot Ion:105 Resp: 253388

Ion Ratio Lower Upper

105 100

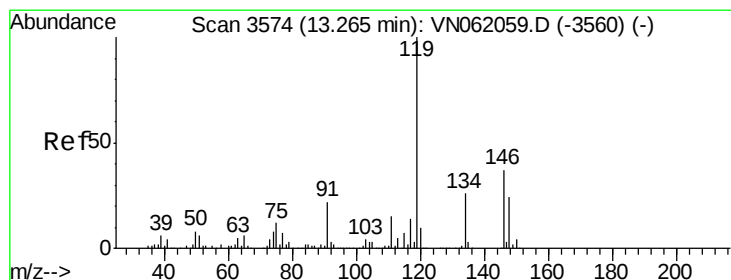
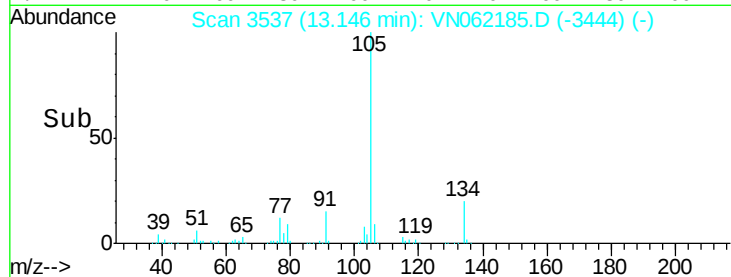
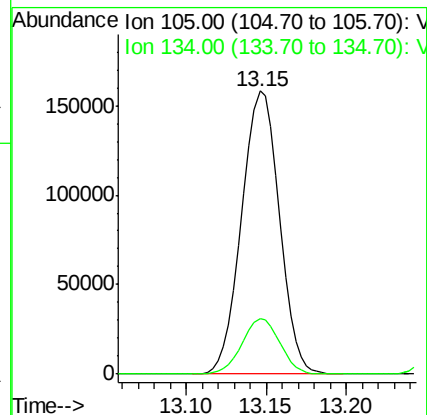
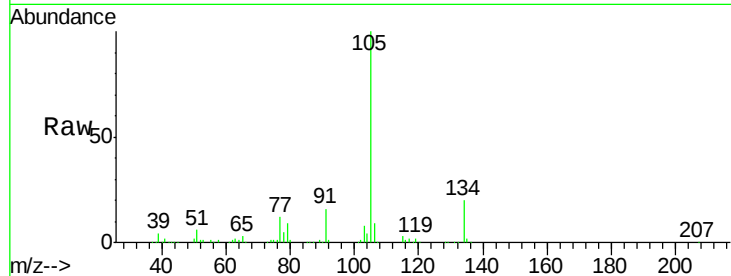
134 19.6 9.7 29.1

Manual Integrations

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6/30/2020 10:43:34 AM



#86

p-Isopropyltoluene

Concen: 20.882 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

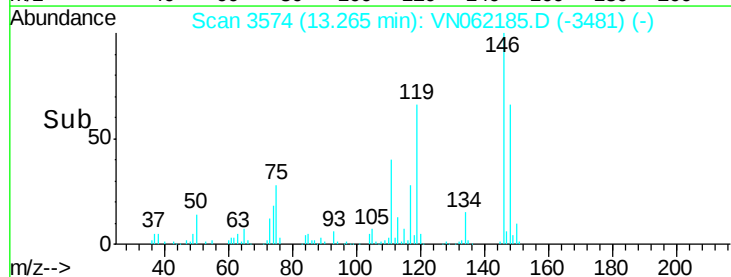
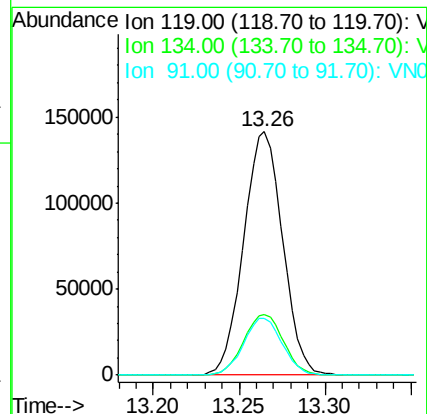
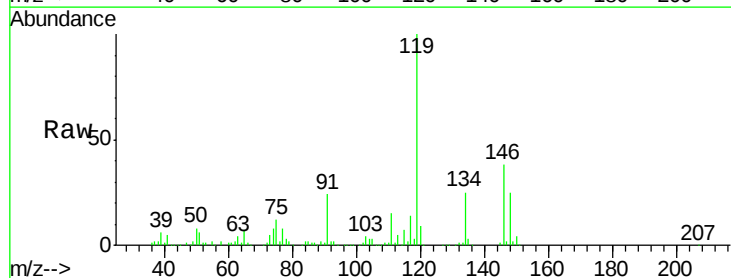
Tgt Ion:119 Resp: 222284

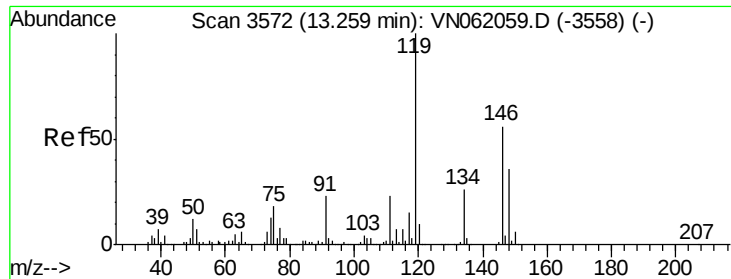
Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 23.3 11.3 33.8





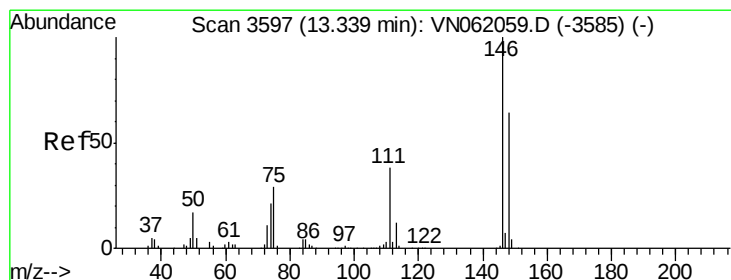
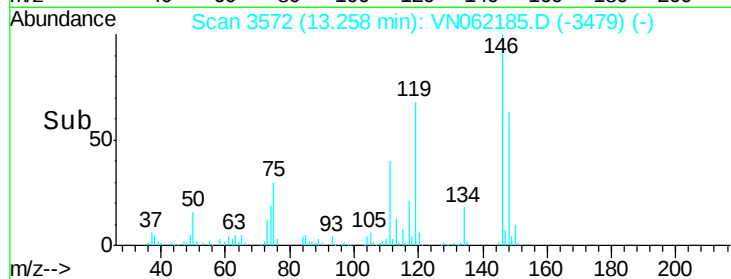
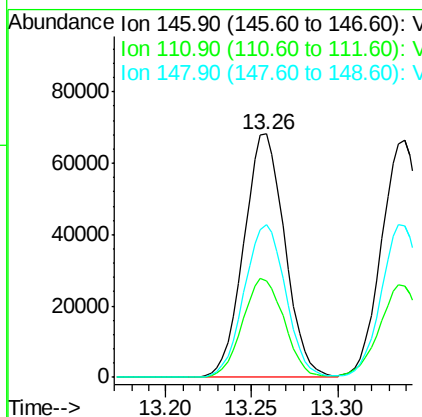
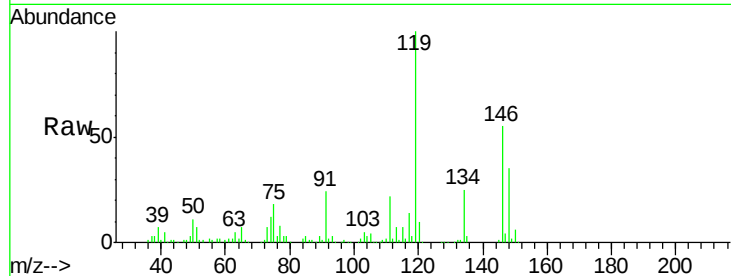
#87  
 1,3-Dichlorobenzene  
 Concen: 19.561 ug/l  
 RT: 13.26 min Scan# 3572  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.1  | 20.3  | 61.0  |
| 148     | 63.3  | 31.8  | 95.3  |

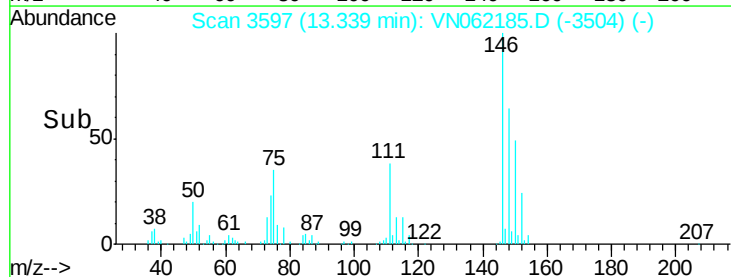
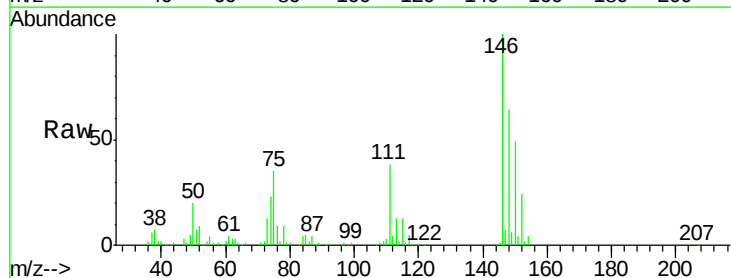
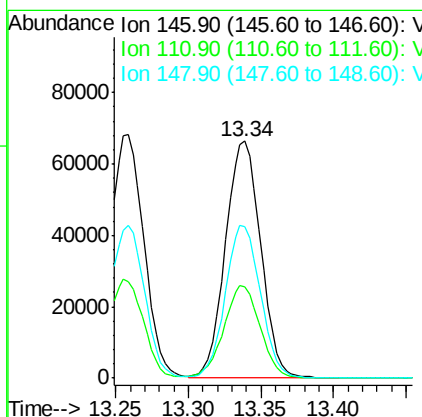
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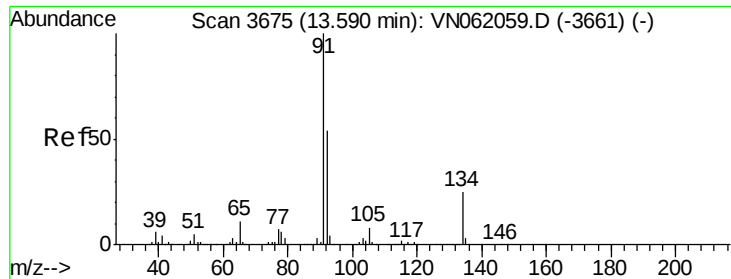
MMDadoda  
 6/30/2020 10:43:34 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 18.887 ug/l  
 RT: 13.34 min Scan# 3597  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 19.9  | 59.6  |
| 148     | 64.4  | 31.9  | 95.9  |





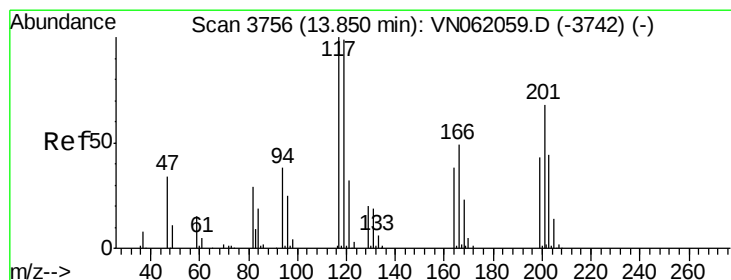
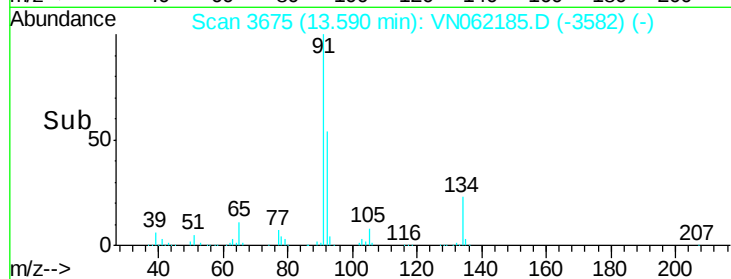
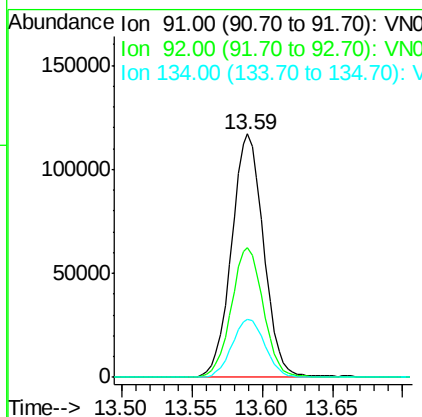
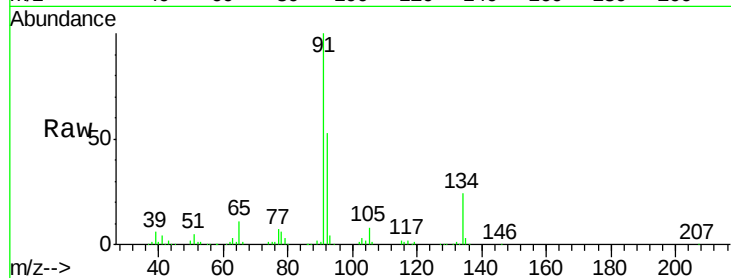
#89  
n-Butylbenzene  
Concen: 21.086 ug/l  
RT: 13.59 min Scan# 3675  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.3  | 26.6  | 79.7  |
| 134     | 24.6  | 12.3  | 36.9  |

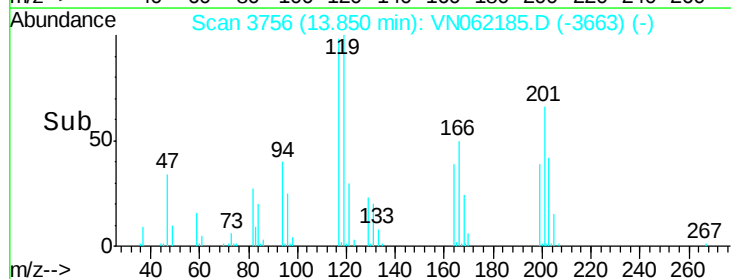
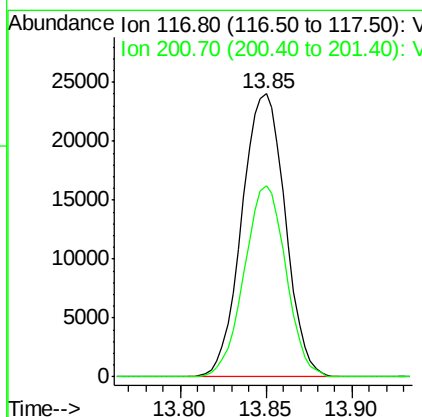
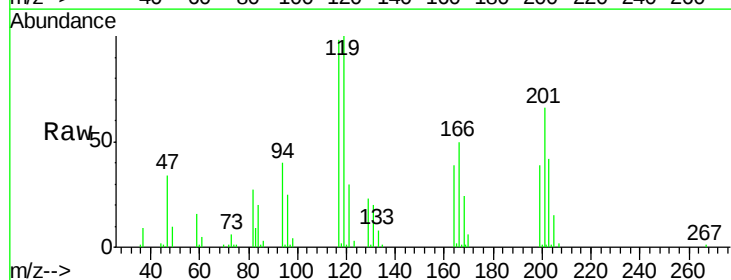
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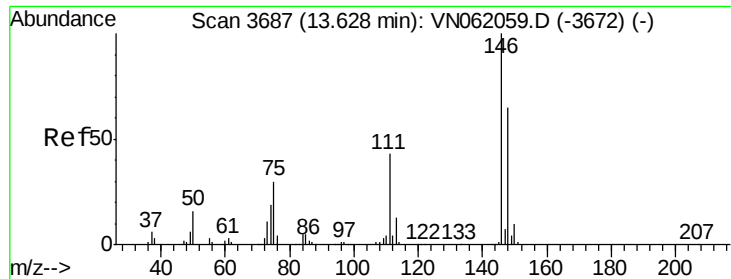
MMDadoda  
6/30/2020 10:43:34 AM



#90  
Hexachloroethane  
Concen: 20.204 ug/l  
RT: 13.85 min Scan# 3756  
Delta R.T. -0.00 min  
Lab File: VN062185.D  
Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 64.8  | 32.7  | 98.1  |





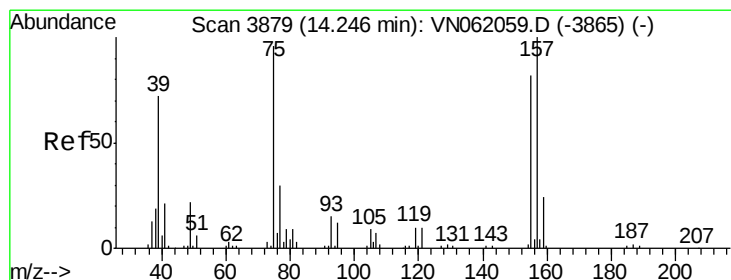
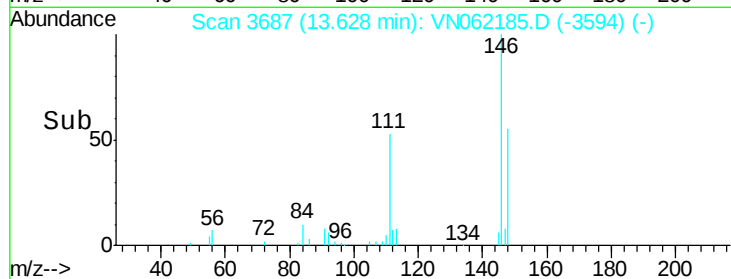
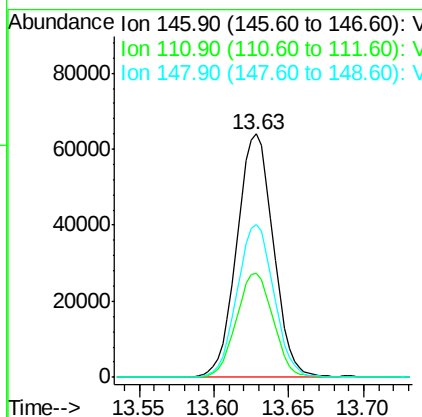
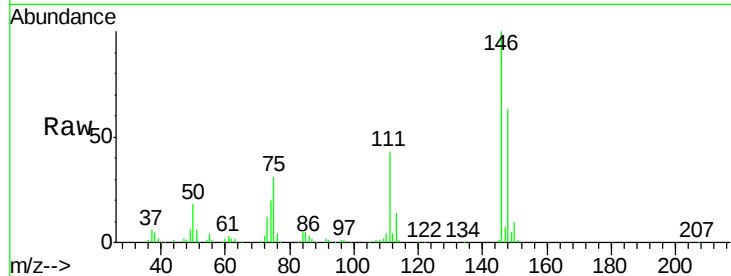
#91  
 1,2-Dichlorobenzene  
 Concen: 19.457 ug/l  
 RT: 13.63 min Scan# 3687  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0629MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.8  | 21.2  | 63.6  |
| 148     | 63.2  | 31.9  | 95.5  |

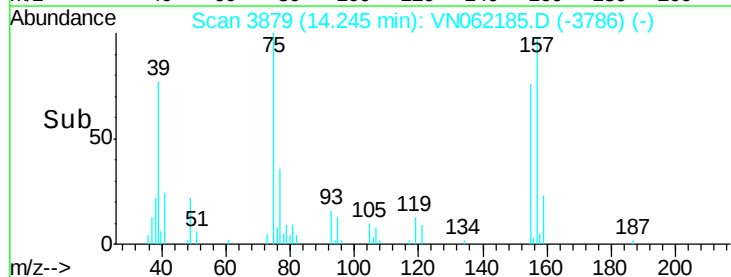
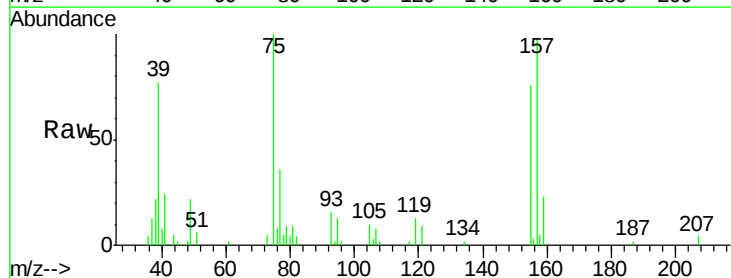
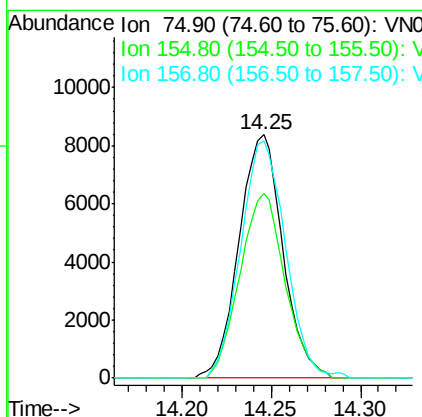
Manual Integrations  
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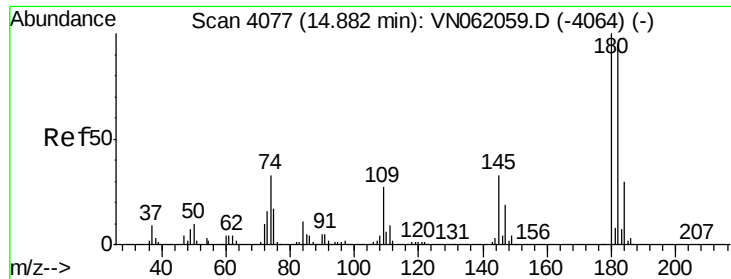
MMDadoda  
 6/30/2020 10:43:34 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.399 ug/l  
 RT: 14.25 min Scan# 3879  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 78.2  | 40.8  | 122.4 |
| 157     | 99.8  | 51.4  | 154.3 |





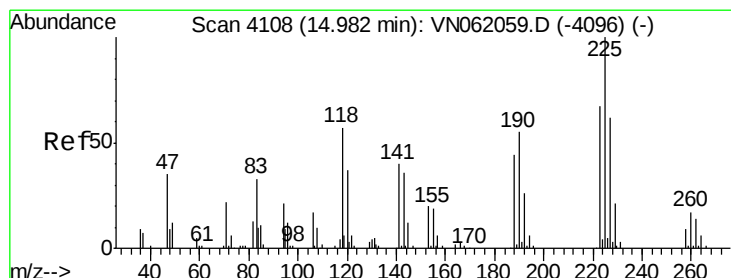
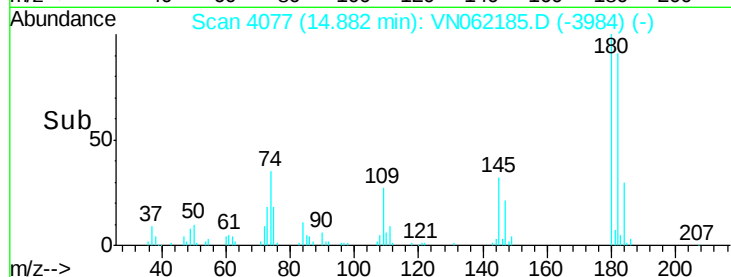
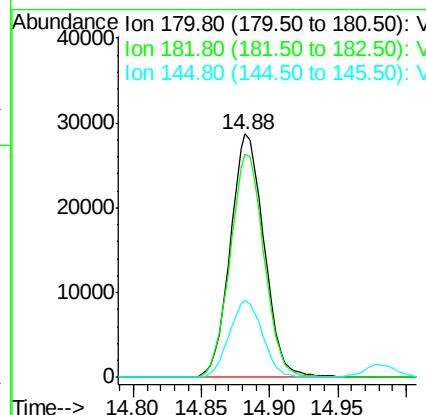
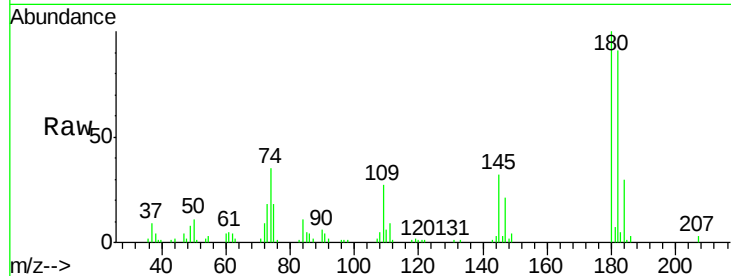
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.124 ug/l  
 RT: 14.88 min Scan# 4077  
 Delta R.T. -0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0629MBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 49258 |       |       |
| 182     | 92.0  |       | 48.0  | 144.2 |
| 145     | 31.1  |       | 16.0  | 48.0  |

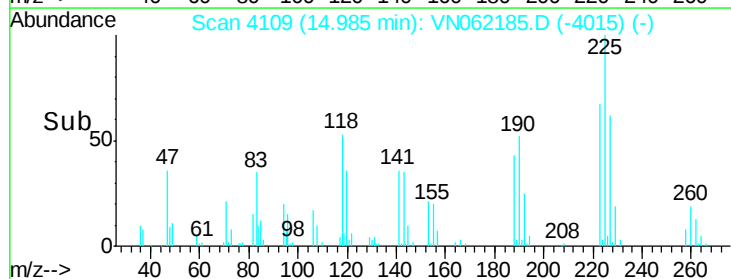
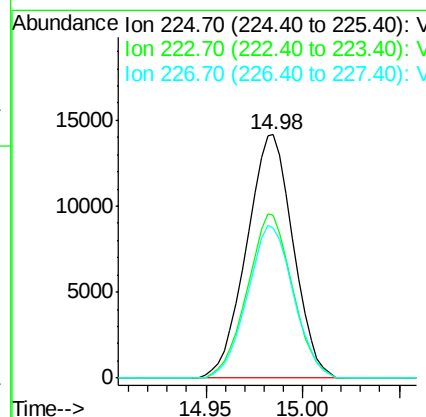
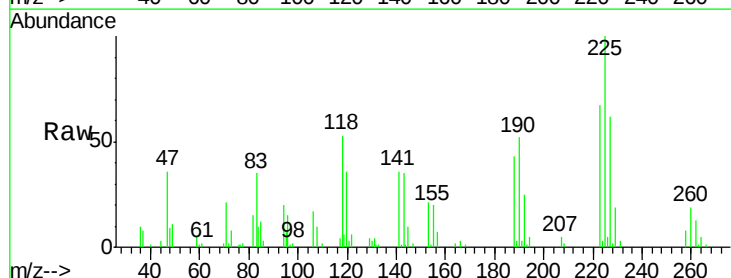
Manual Integrations  
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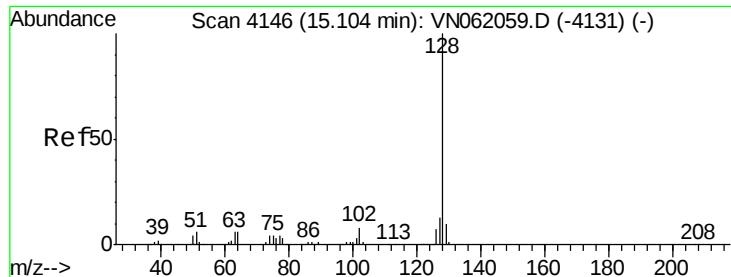
MMDadoda  
 6/30/2020 10:43:34 AM



#94  
 Hexachlorobutadiene  
 Concen: 22.228 ug/l  
 RT: 14.98 min Scan# 4109  
 Delta R.T. 0.00 min  
 Lab File: VN062185.D  
 Acq: 29 Jun 2020 14:05

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 23631 |       |       |
| 223     | 65.8  |       | 32.9  | 98.7  |
| 227     | 62.0  |       | 31.3  | 93.8  |





#95

Naphthalene

Concen: 19.616 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

Instrument :

MSVOA\_N

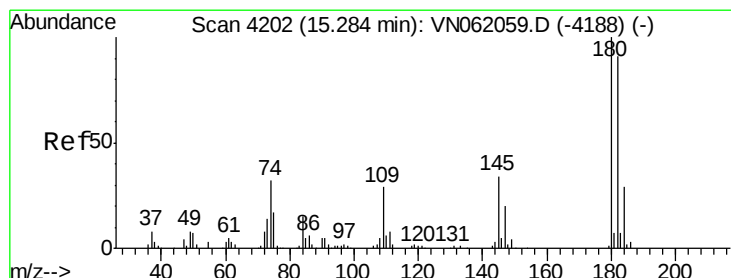
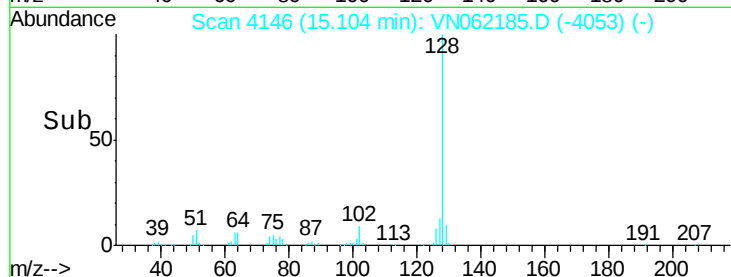
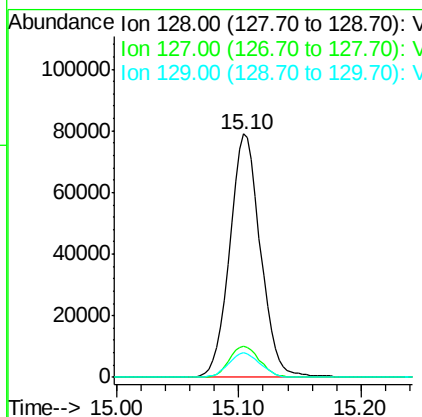
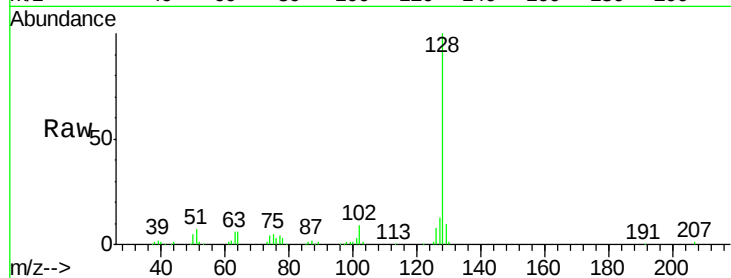
ClientSampleId :

VN0629MBS01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 128  | Resp: | 138558 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 12.7 | 10.5  | 15.7   |
| 129       | 10.3 | 8.6   | 13.0   |

Manual Integrations  
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6/30/2020 10:43:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.612 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062185.D

Acq: 29 Jun 2020 14:05

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 180  | Resp: | 49085 |
| Ion Ratio |      | Lower | Upper |
| 180       | 100  |       |       |
| 182       | 96.3 | 46.8  | 140.4 |
| 145       | 33.9 | 16.4  | 49.2  |

