

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\  
 Data File : VN062443.D  
 Acq On : 9 Jul 2020 6:47  
 Operator : JC/MD  
 Sample : L3215-12MS  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14MS

Manual Integrations  
 APPROVED

MMDadoda  
 7/9/2020 10:58:56 AM

Quant Time: Jul 09 07:20:47 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N070820W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 09 02:12:34 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 202997   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 367171   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 336010   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 143601   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65  | 159360   | 51.04 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.08% |      |
| 35) Dibromofluoromethane  | 7.55   | 113 | 111650   | 49.19 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.38%  |      |
| 50) Toluene-d8            | 10.06  | 98  | 442859   | 49.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.86%  |      |
| 62) 4-Bromofluorobenzene  | 12.38  | 95  | 163180   | 49.84 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.68%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 103512  | 50.061  | ug/l | 97     |
| 3) Chloromethane              | 2.03 | 50  | 153221  | 46.182  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.16 | 62  | 134624  | 49.527  | ug/l | 98     |
| 5) Bromomethane               | 2.53 | 94  | 46972   | 32.176  | ug/l | 99     |
| 6) Chloroethane               | 2.67 | 64  | 79289   | 50.083  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 178133  | 51.599  | ug/l | 99     |
| 8) Diethyl Ether              | 3.37 | 74  | 83928   | 54.369  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 100798  | 49.255  | ug/l | 99     |
| 10) Methyl Iodide             | 3.91 | 142 | 104067  | 38.512  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 118223  | 228.254 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.70 | 96  | 107795  | 51.736  | ug/l | 99     |
| 13) Acrolein                  | 3.57 | 56  | 35293   | 94.459  | ug/l | 96     |
| 14) Allyl chloride            | 4.28 | 41  | 221502  | 45.202  | ug/l | 99     |
| 15) Acrylonitrile             | 4.93 | 53  | 358255  | 263.734 | ug/l | 100    |
| 16) Acetone                   | 3.78 | 43  | 301128  | 227.161 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.01 | 76  | 333928  | 51.146  | ug/l | 98     |
| 18) Methyl Acetate            | 4.28 | 43  | 127354  | 38.497  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 430588  | 54.508  | ug/l | 99     |
| 20) Methylene Chloride        | 4.50 | 84  | 135266  | 47.725  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96  | 118040  | 52.294  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.90 | 45  | 508865  | 52.561  | ug/l | 96     |
| 23) Vinyl Acetate             | 5.84 | 43  | 1623253 | 202.403 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.80 | 63  | 262527  | 52.477  | ug/l | 100    |
| 25) 2-Butanone                | 6.79 | 43  | 489055  | 252.614 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.78 | 77  | 76297   | 19.891  | ug/l | 92     |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 140655  | 53.798  | ug/l | 92     |
| 28) Bromochloromethane        | 7.15 | 49  | 134229  | 49.386  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.17 | 42  | 334370  | 256.536 | ug/l | 99     |
| 30) Chloroform                | 7.33 | 83  | 240172  | 53.171  | ug/l | 96     |
| 31) Cyclohexane               | 7.61 | 56  | 292361  | 61.645  | ug/l | 93     |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 198502  | 52.831  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 182731  | 49.397  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.88 | 43  | 167573  | 38.741  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 164528  | 49.471  | ug/l | 99     |

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 MW-14MS

Manual Integrations  
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MMDadoda  
 7/9/2020 10:58:56 AM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N070820W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 09 02:12:34 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 245045   | 62.048  | ug/l   | 98       |
| 40) Benzene                    | 8.00  | 78   | 551087   | 50.547  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.13  | 41   | 114287   | 63.239  | ug/l   | 86       |
| 42) 1,2-Dichloroethane         | 8.09  | 62   | 207051   | 51.866  | ug/l   | 91       |
| 43) Isopropyl Acetate          | 8.12  | 43   | 384427   | 56.259  | ug/l   | 94       |
| 44) Trichloroethene            | 8.80  | 130  | 126692   | 52.375  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 160976   | 50.863  | ug/l   | 98       |
| 46) Dibromomethane             | 9.18  | 93   | 92218    | 51.633  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.37  | 83   | 197450   | 51.709  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.17  | 41   | 165326   | 49.324  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.17  | 88   | 47487    | 973.359 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 1051487  | 257.636 | ug/l   | 99       |
| 52) Toluene                    | 10.12 | 92   | 329727   | 52.360  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 193786   | 45.298  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 210264   | 44.546  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.54 | 97   | 131035   | 52.906  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 229411   | 50.319  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 241306   | 52.735  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.72 | 43   | 769369   | 259.668 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.87 | 129  | 137910   | 51.354  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 132392   | 52.952  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.60 | 164  | 96217    | 48.256  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.41 | 112  | 339948   | 52.056  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 124044   | 51.508  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.48 | 91   | 884567   | 72.161  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.59 | 106  | 459836   | 105.965 | ug/l   | 99       |
| 69) o-Xylene                   | 11.92 | 106  | 249844   | 59.133  | ug/l   | 100      |
| 70) Stvrene                    | 11.94 | 104  | 392841   | 56.258  | ug/l   | 99       |
| 71) Bromoform                  | 12.10 | 173  | 94017    | 53.255  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.22 | 105  | 1761444  | 158.515 | ug/l   | 99       |
| 74) N-amyl acetate             | 12.05 | 43   | 252910   | 46.761  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 201349   | 53.890  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 172387m  | 48.925  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 416290   | 164.786 | ug/l # | 9        |
| 78) n-propylbenzene            | 12.57 | 91   | 2083293  | 160.498 | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 496698   | 63.049  | ug/l   | 90       |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 770871   | 84.623  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 37131    | 28.206  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 422121   | 52.779  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 338620   | 43.803  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 6146750  | 678.849 | ug/l   | 80       |
| 85) sec-Butylbenzene           | 13.15 | 105  | 483127   | 47.163  | ug/l   | 95       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 603841   | 68.298  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 223312   | 51.240  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 220648   | 49.204  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.59 | 91   | 506853   | 64.926  | ug/l # | 78       |
| 90) Hexachloroethane           | 13.86 | 117  | 206017   | 118.455 | ug/l # | 39       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 217247   | 51.557  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 48874    | 71.679  | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene     | 14.88 | 180  | 108688   | 53.804  | ug/l   | 93       |

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Sample : L3215-12MS  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 53 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14MS

Manual Integrations  
APPROVED

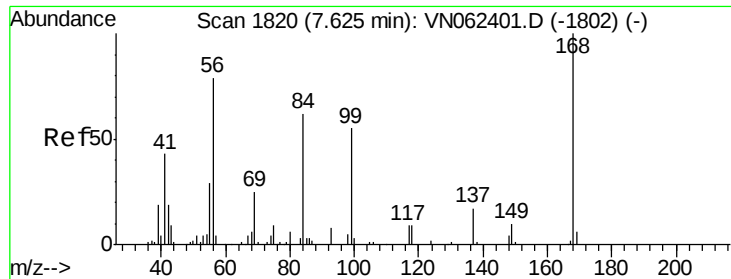
MMDadoda  
7/9/2020 10:58:56 AM

Quant Time: Jul 09 07:20:47 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N070820W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 09 02:12:34 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|----------------------------|-------|------|----------|---------|--------|----------|
| 94) Hexachlorobutadiene    | 14.99 | 225  | 26012    | 23.250  | ug/l   | 97       |
| 95) Naphthalene            | 15.11 | 128  | 12082576 | 719.070 | ug/l # | 47       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 107900   | 47.713  | ug/l   | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

ClientSampled :

MW-14MS

Tot Ion:168 Resp: 202997

Ion Ratio Lower Upper

168 100

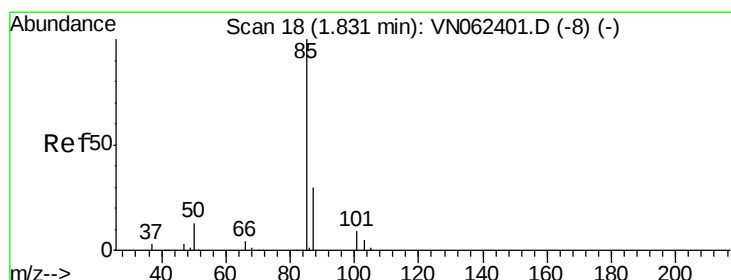
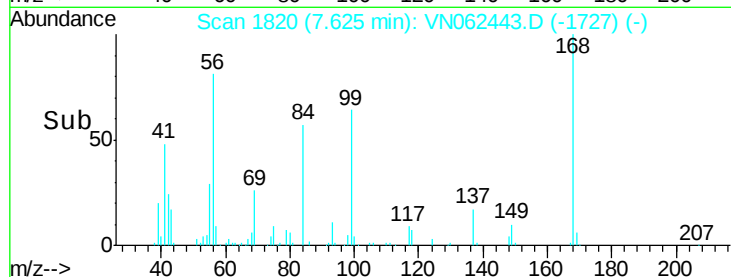
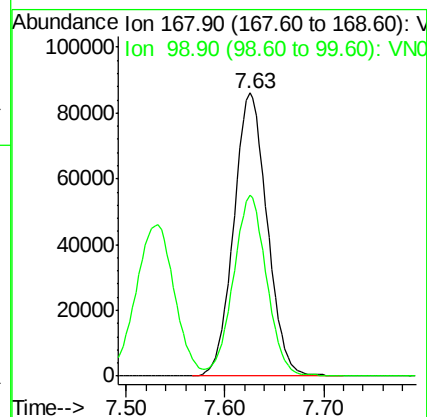
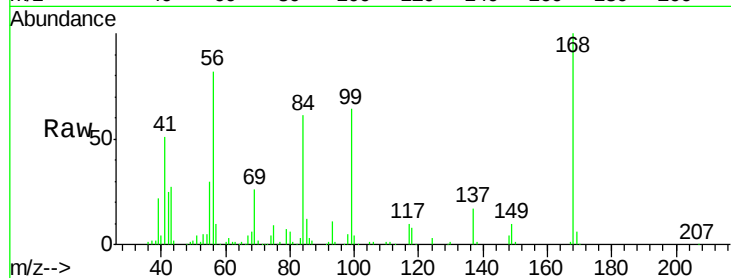
99 63.9 48.8 73.2

Manual Integrations

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7/9/2020 10:58:56 AM



#2

Dichlorodifluoromethane

Concen: 50.061 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062443.D

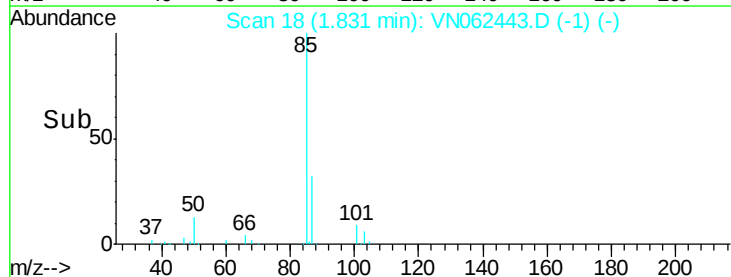
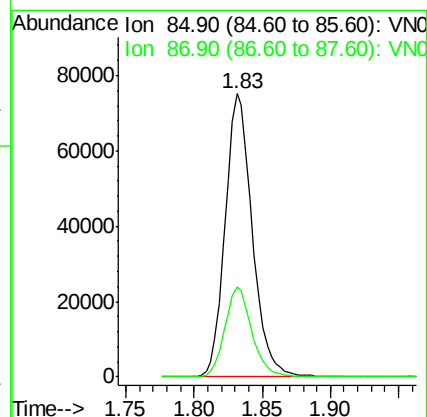
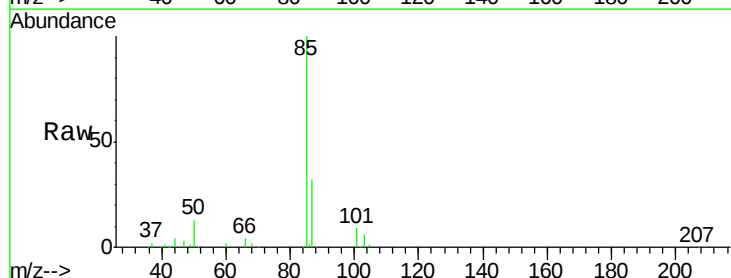
Acq: 9 Jul 2020 6:47

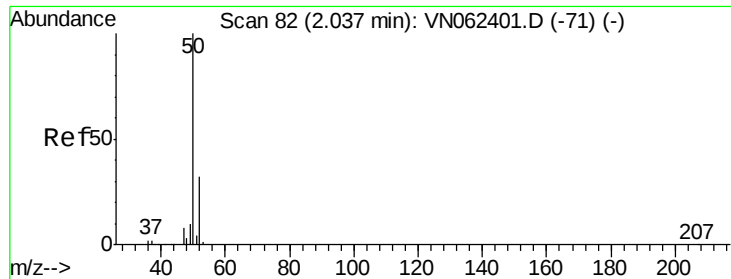
Tgt Ion: 85 Resp: 103512

Ion Ratio Lower Upper

85 100

87 31.7 15.2 45.5





#3

Chloromethane

Concen: 46.182 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

ClientSampleId :

MW-14MS

Tot Ion: 50 Resp: 153221

Ion Ratio Lower Upper

50 100

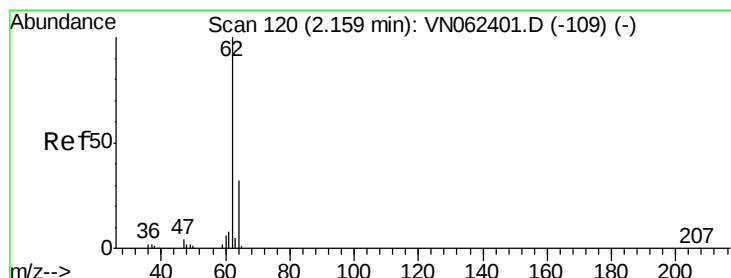
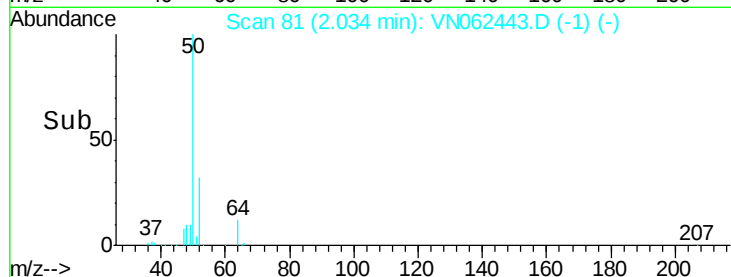
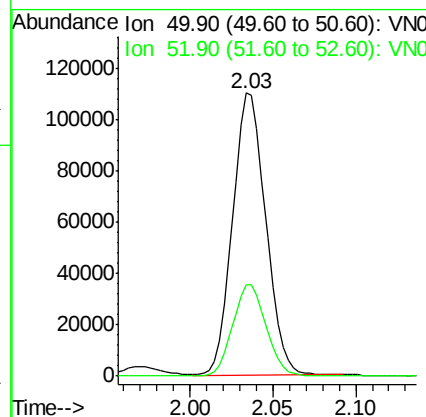
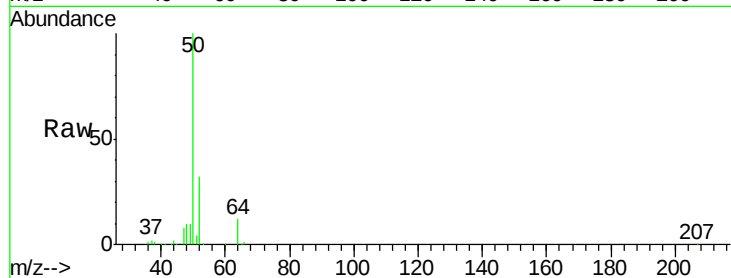
52 32.3 25.5 38.3

Manual Integrations

APPROVED

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7/9/2020 10:58:56 AM



#4

Vinyl Chloride

Concen: 49.527 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062443.D

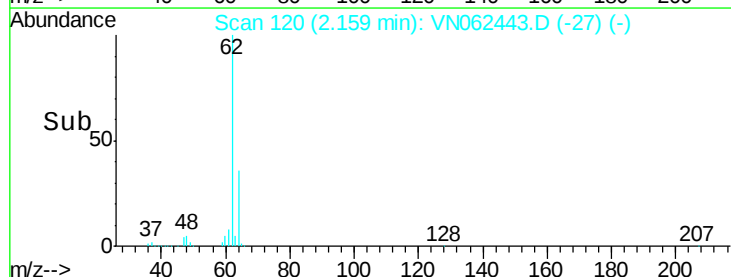
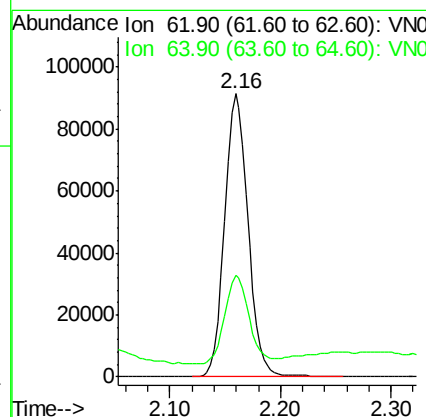
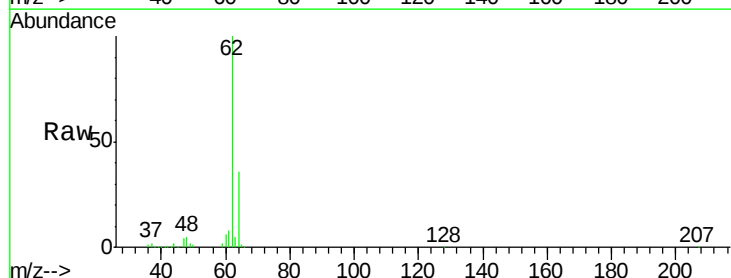
Acq: 9 Jul 2020 6:47

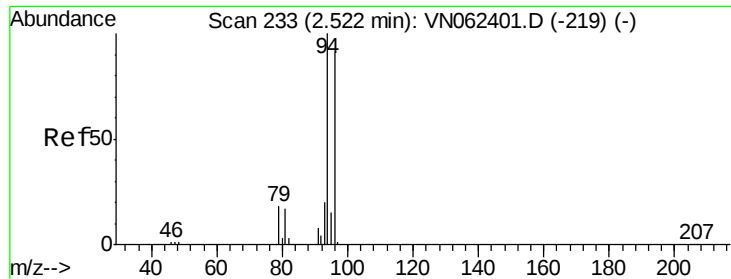
Tgt Ion: 62 Resp: 134624

Ion Ratio Lower Upper

62 100

64 31.1 25.7 38.5





#5

Bromomethane

Concen: 32.176 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

ClientSampled :

MW-14MS

Tot Ion: 94 Resp: 46972

Ion Ratio Lower Upper

94 100

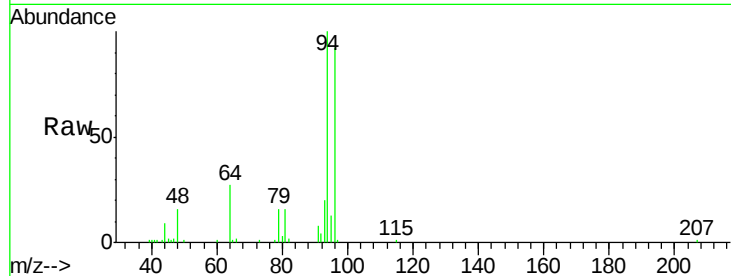
96 92.1 73.2 109.8

Manual Integrations

APPROVED

MMDadoda

7/9/2020 10:58:56 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

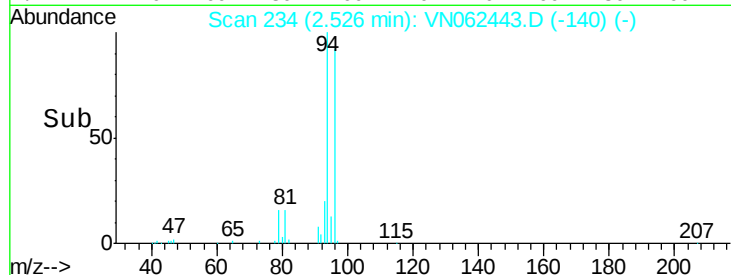
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10000

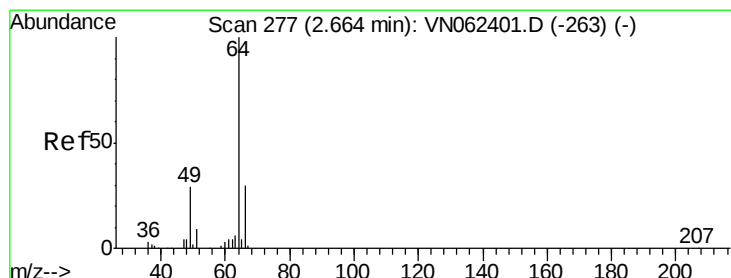
5000

0

Time-->



Time-->



#6

Chloroethane

Concen: 50.083 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062443.D

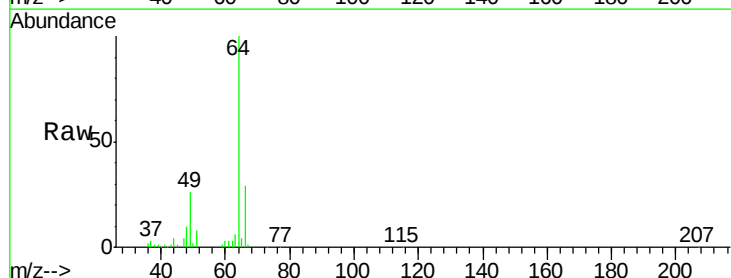
Acq: 9 Jul 2020 6:47

Tgt Ion: 64 Resp: 79289

Ion Ratio Lower Upper

64 100

66 32.0 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

50000

40000

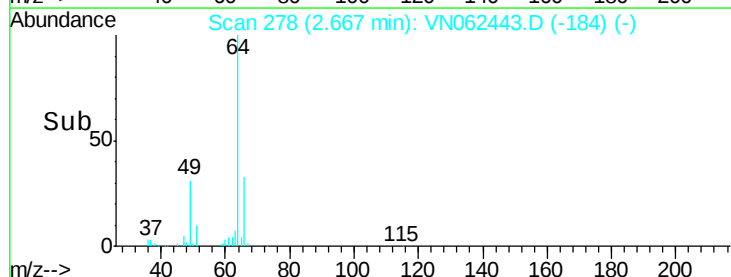
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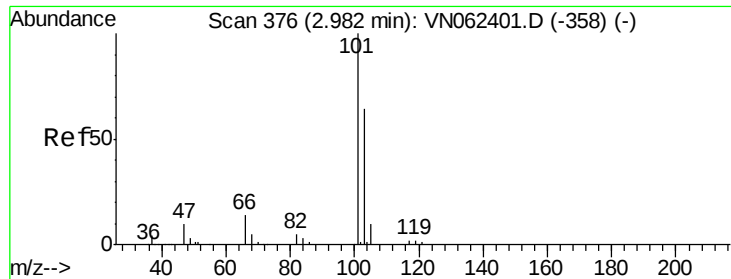
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10000

0

Time-->





#7

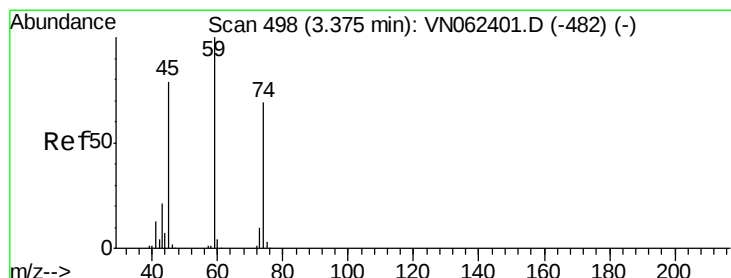
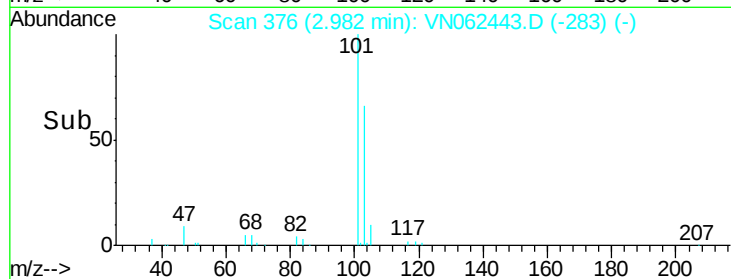
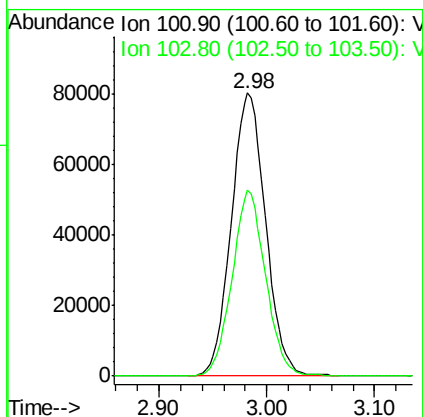
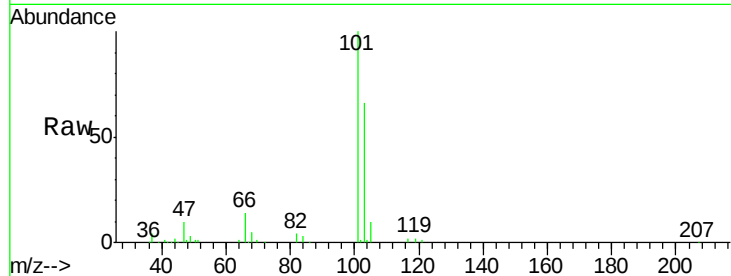
Trichlorofluoromethane  
Concen: 51.599 ug/l  
RT: 2.98 min Scan# 376  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-14MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.6  | 51.6  | 77.4  |

Manual Integrations  
APPROVED

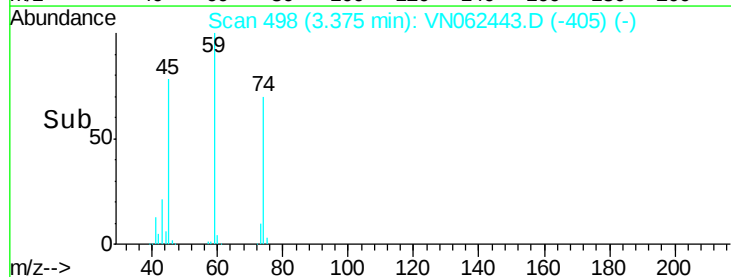
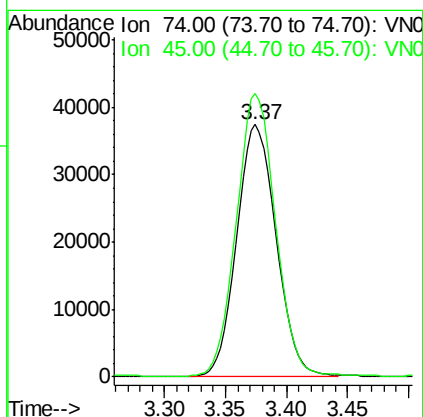
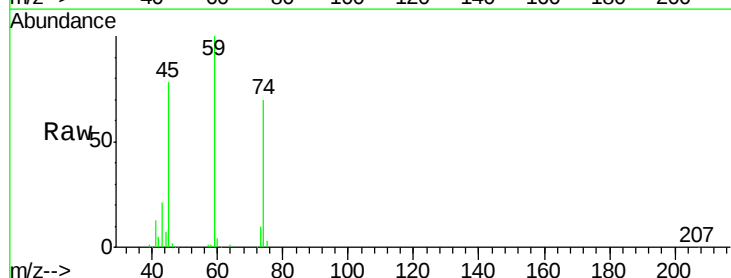
MMDadoda  
7/9/2020 10:58:56 AM

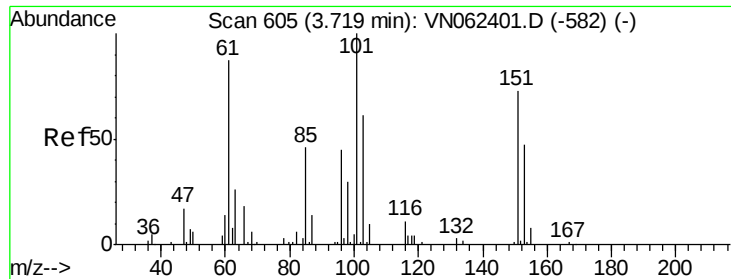


#8

Diethyl Ether  
Concen: 54.369 ug/l  
RT: 3.37 min Scan# 498  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 112.1 | 58.5  | 175.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.255 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

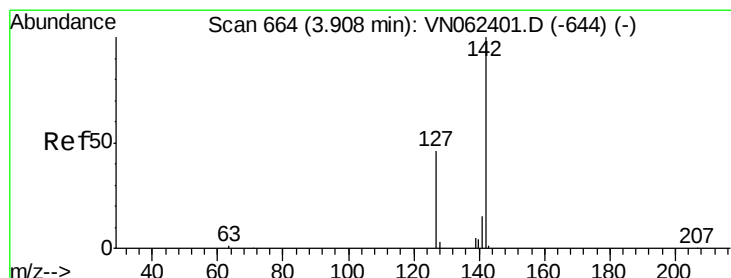
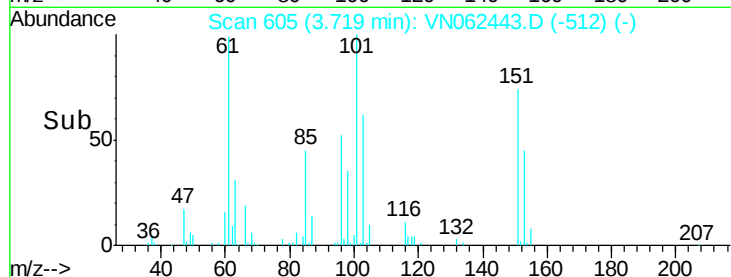
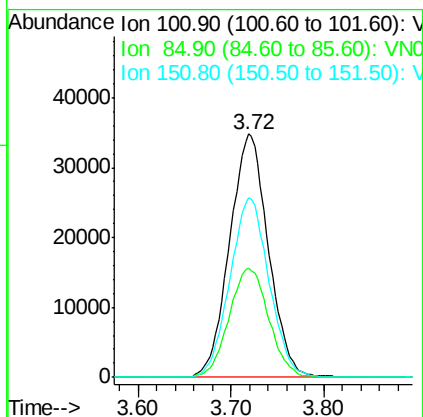
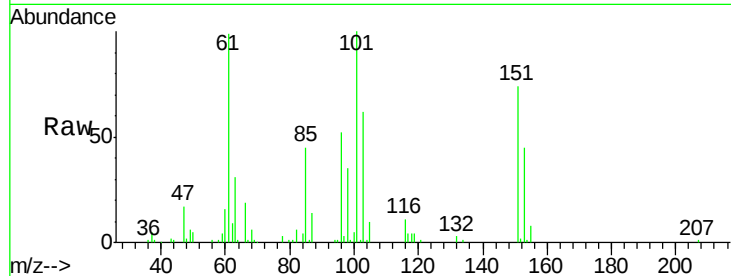
ClientSampled :

MW-14MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 100798 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 45.9  | 36.7  | 55.1   |
| 151       | 74.6  | 58.3  | 87.5   |

Manual Integrations  
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7/9/2020 10:58:56 AM



#10

Methyl Iodide

Concen: 38.512 ug/l

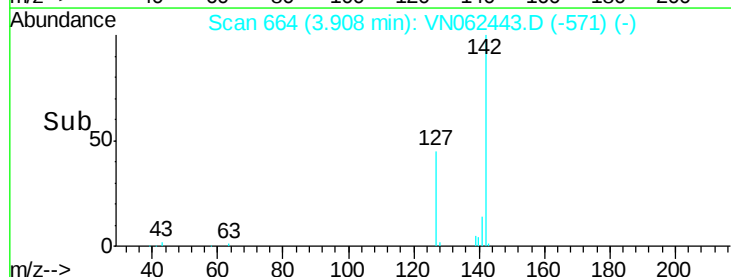
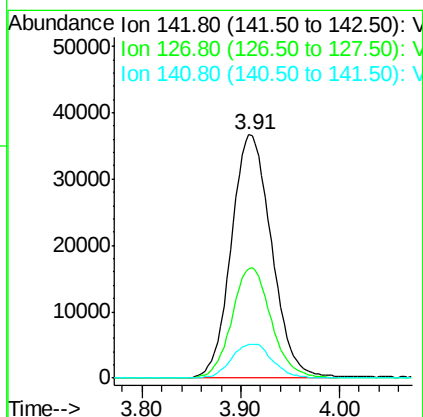
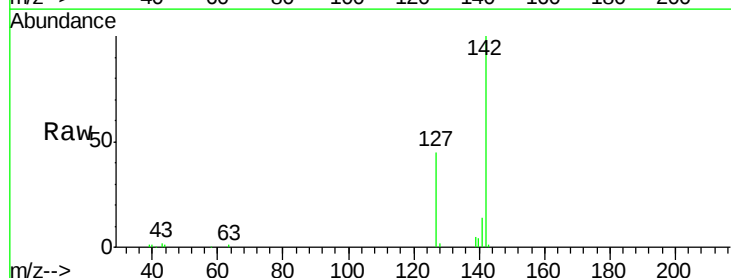
RT: 3.91 min Scan# 664

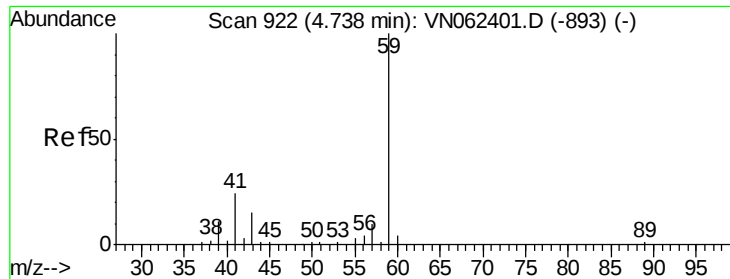
Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 104067 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 44.3  | 36.1  | 54.1   |
| 141       | 14.2  | 11.4  | 17.0   |





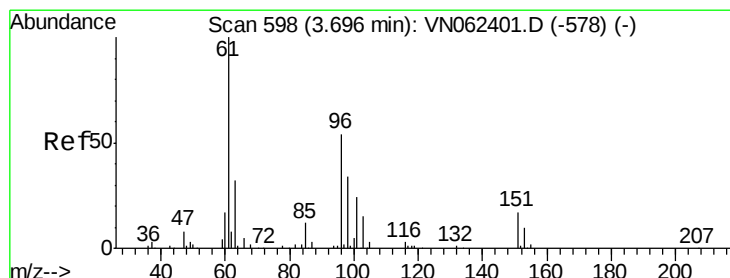
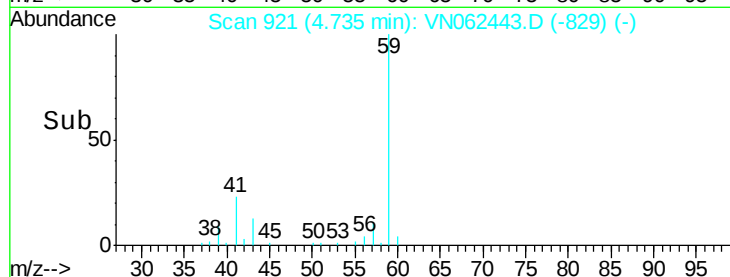
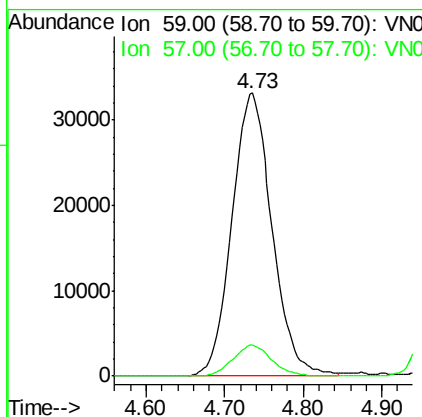
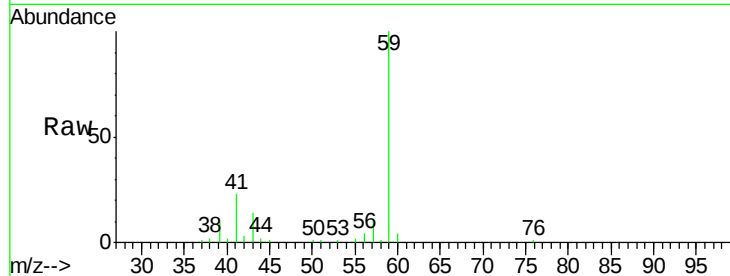
#11  
Tert butyl alcohol  
Concen: 228.254 ug/l  
RT: 4.73 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14MS

Tot Ion: 59 Resp: 118223  
Ion Ratio Lower Upper  
59 100  
57 10.5 7.8 11.6

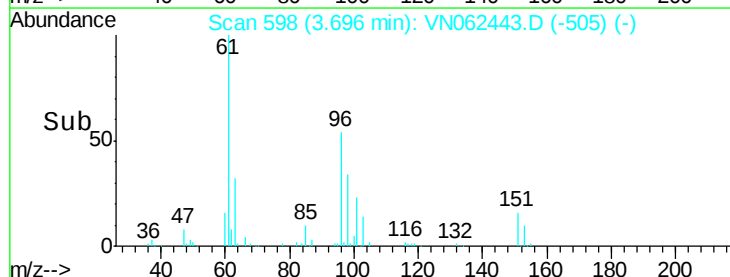
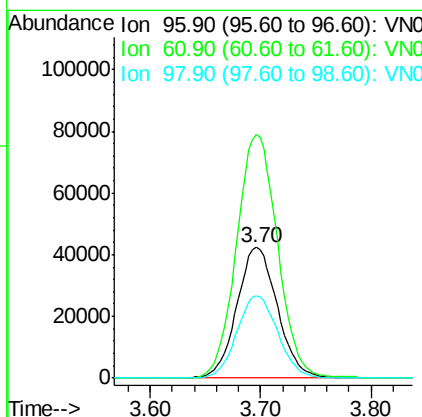
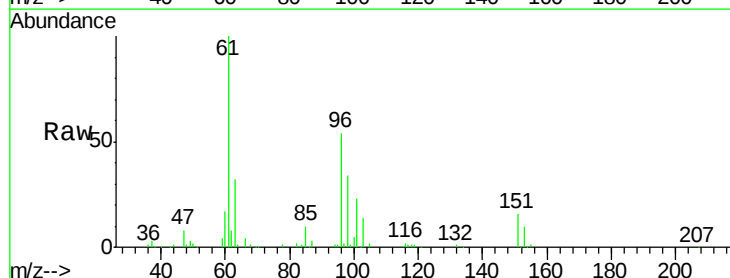
Manual Integrations  
APPROVED

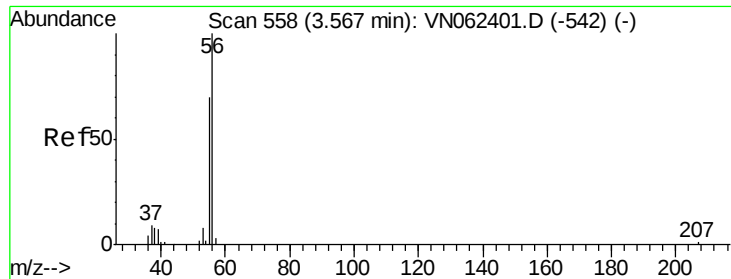
MMDadoda  
7/9/2020 10:58:56 AM



#12  
1,1-Dichloroethene  
Concen: 51.736 ug/l  
RT: 3.70 min Scan# 598  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Tgt Ion: 96 Resp: 107795  
Ion Ratio Lower Upper  
96 100  
61 186.5 147.4 221.0  
98 63.5 50.4 75.6





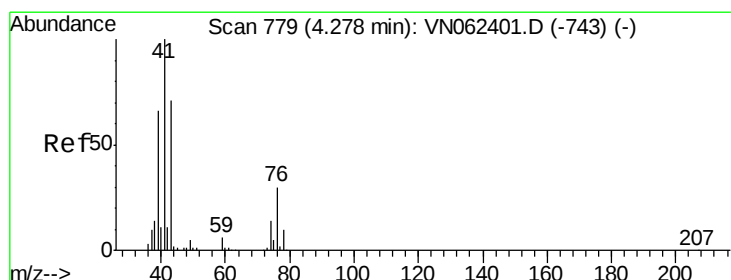
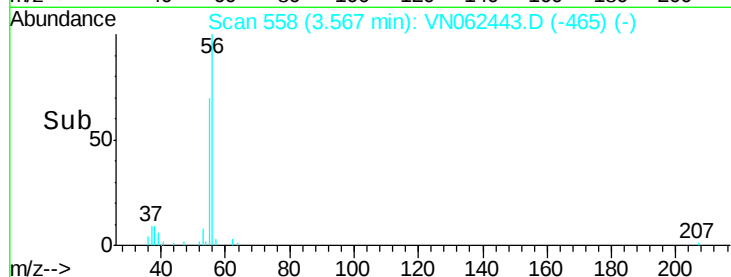
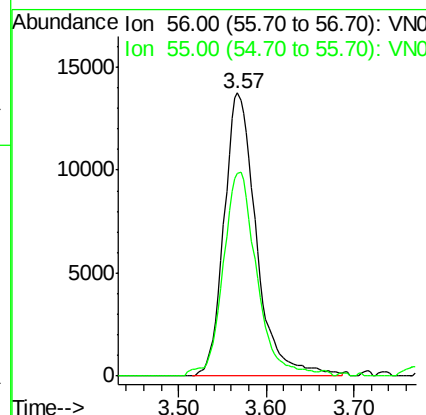
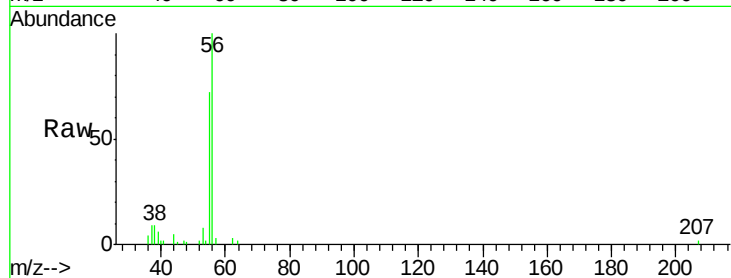
#13  
Acrolein  
Concen: 94.459 ug/l  
RT: 3.57 min Scan# 558  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 74.7  | 57.2  | 85.8  |

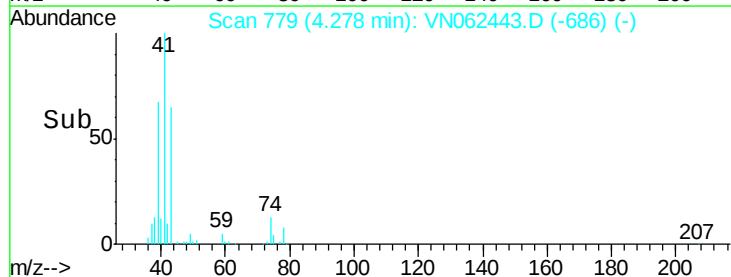
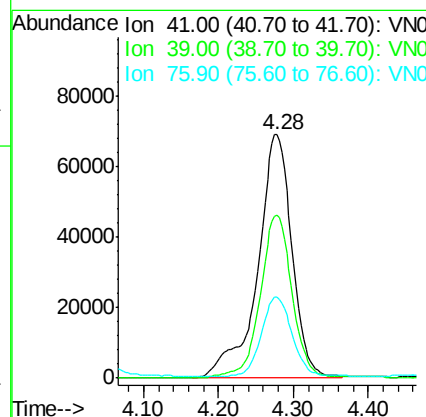
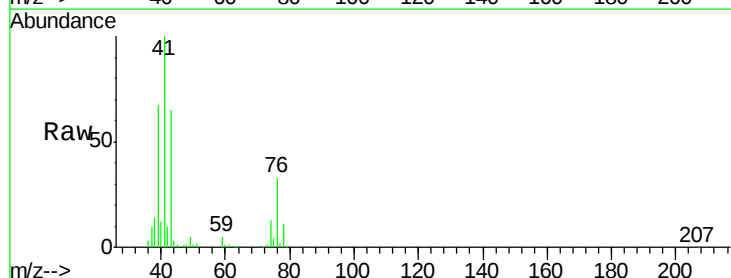
Manual Integrations  
APPROVED

MMDadoda  
7/9/2020 10:58:56 AM



#14  
Allyl chloride  
Concen: 45.202 ug/l  
RT: 4.28 min Scan# 779  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 61.9  | 49.6  | 74.4  |
| 76      | 28.6  | 22.2  | 33.4  |





#15

Acrylonitrile

Concen: 263.734 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

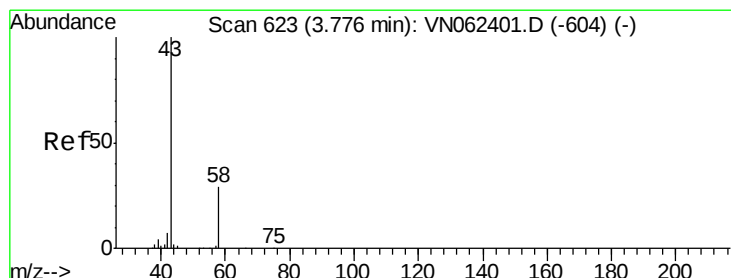
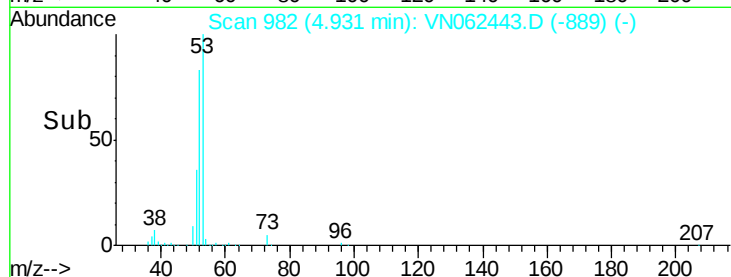
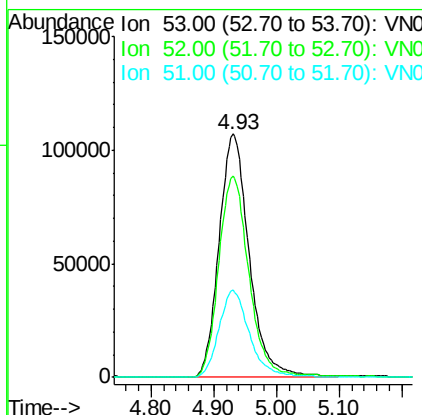
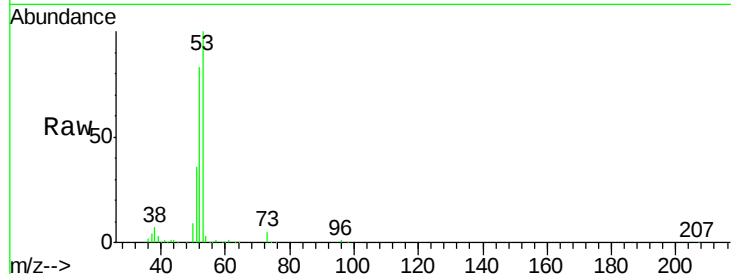
ClientSampleId :

MW-14MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 358255 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 82.4 | 66.2  | 99.4   |
| 51        | 36.2 | 28.7  | 43.1   |

Manual Integrations  
APPROVED

MMDadoda  
7/9/2020 10:58:56 AM



#16

Acetone

Concen: 227.161 ug/l

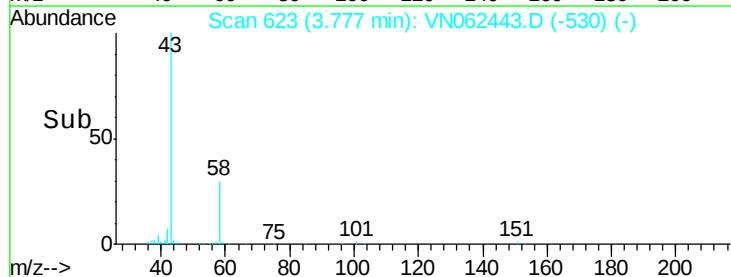
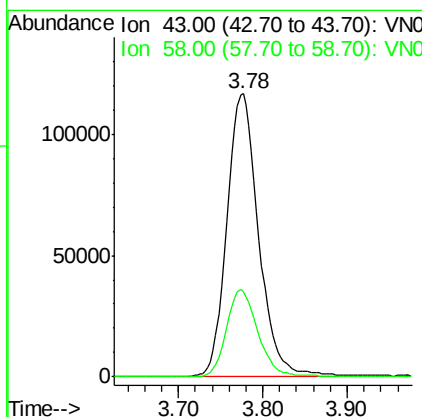
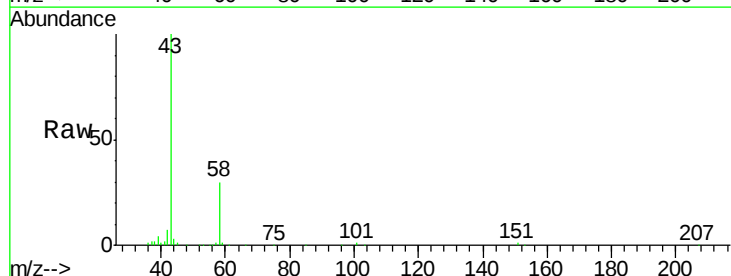
RT: 3.78 min Scan# 623

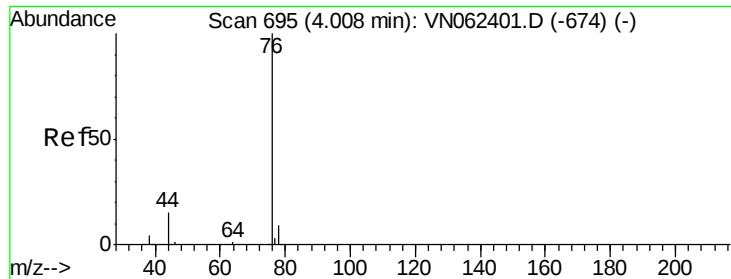
Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 301128 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 30.3 | 23.5  | 35.3   |





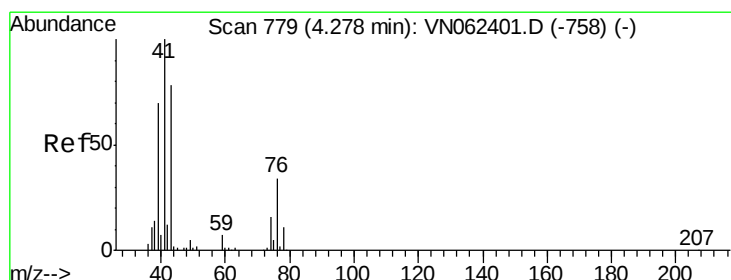
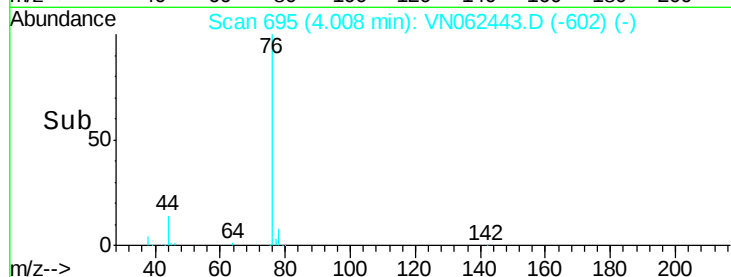
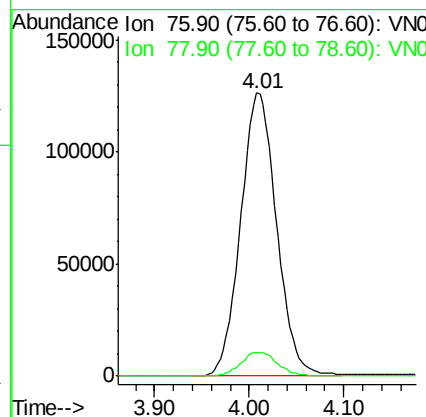
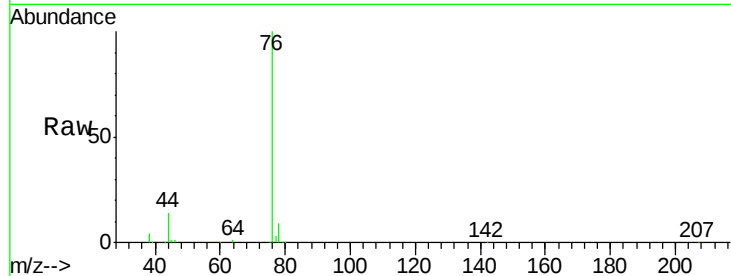
#17  
Carbon Disulfide  
Concen: 51.146 ug/l  
RT: 4.01 min Scan# 695  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-14MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.5   | 7.3   | 10.9  |

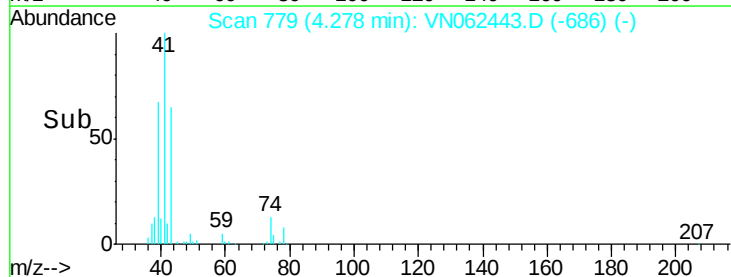
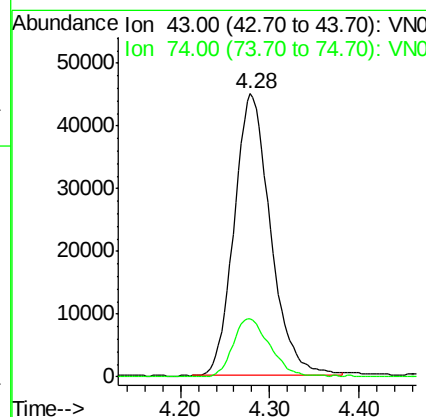
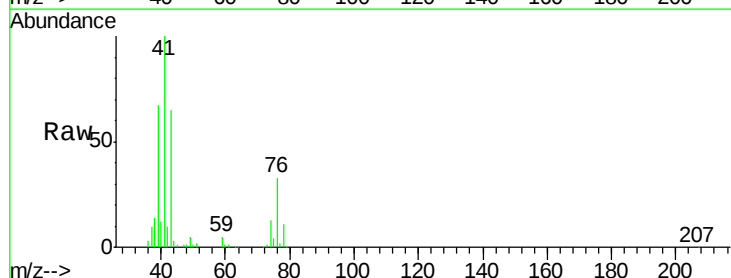
Manual Integrations  
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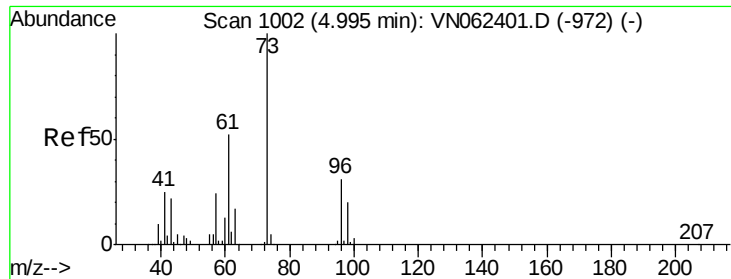
MMDadoda  
7/9/2020 10:58:56 AM



#18  
Methyl Acetate  
Concen: 38.497 ug/l  
RT: 4.28 min Scan# 779  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.0  | 16.0  | 24.0  |





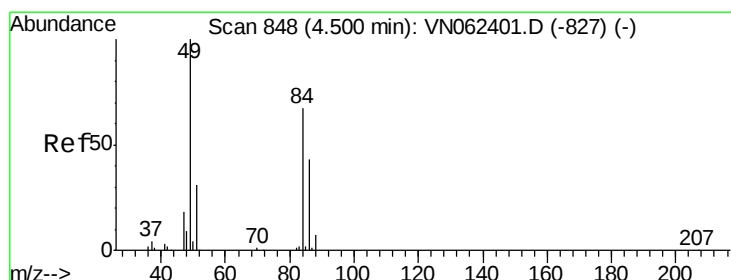
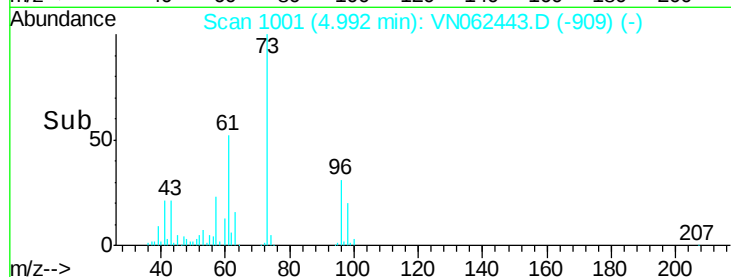
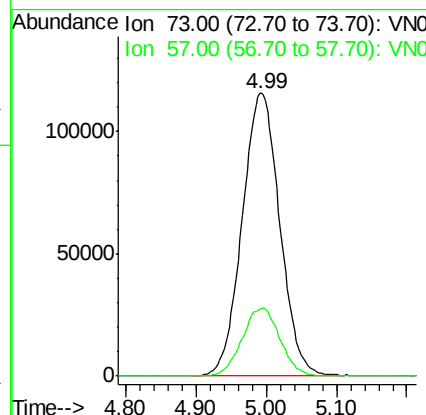
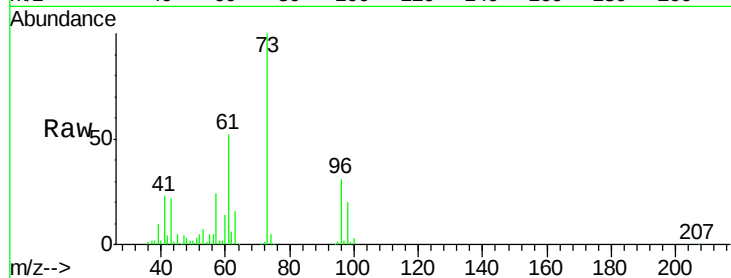
#19  
Methvl tert-butvl Ether  
Concen: 54.508 ug/l  
RT: 4.99 min Scan# 1001  
Delta R.T. -0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14MS

Tot Ion: 73 Resp: 430588  
Ion Ratio Lower Upper  
73 100  
57 23.9 19.4 29.0

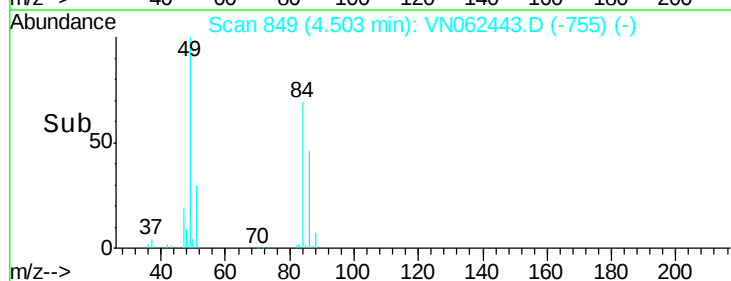
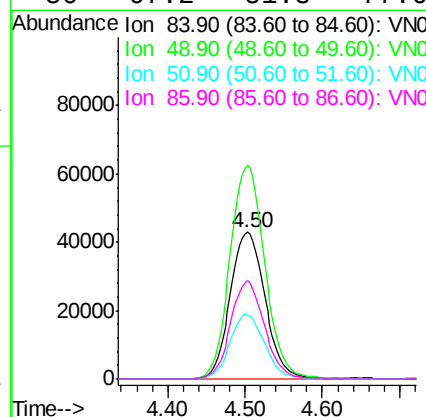
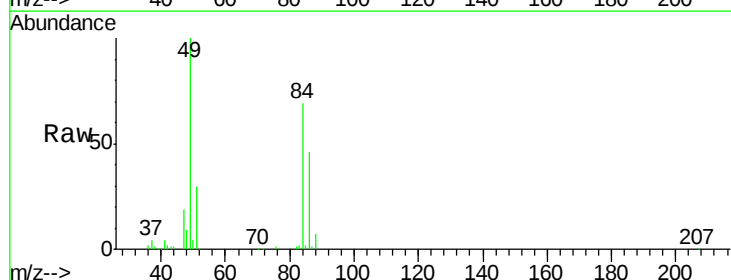
Manual Integrations  
APPROVED

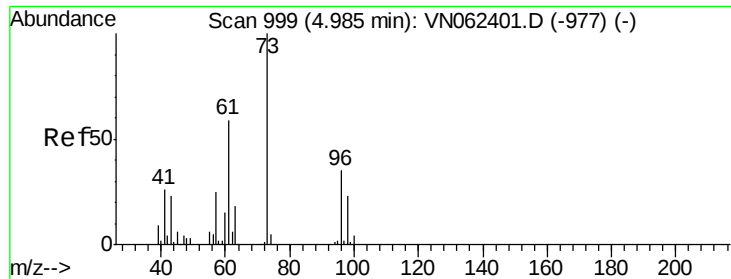
MMDadoda  
7/9/2020 10:58:56 AM



#20  
Methylene Chloride  
Concen: 47.725 ug/l  
RT: 4.50 min Scan# 849  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Tgt Ion: 84 Resp: 135266  
Ion Ratio Lower Upper  
84 100  
49 145.6 120.0 180.0  
51 43.9 37.0 55.6  
86 67.2 51.8 77.6





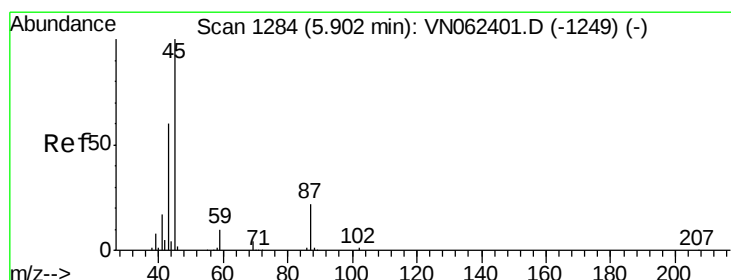
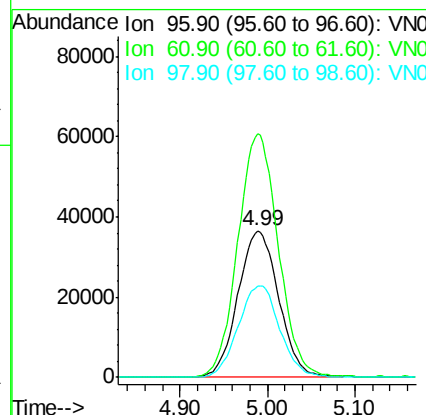
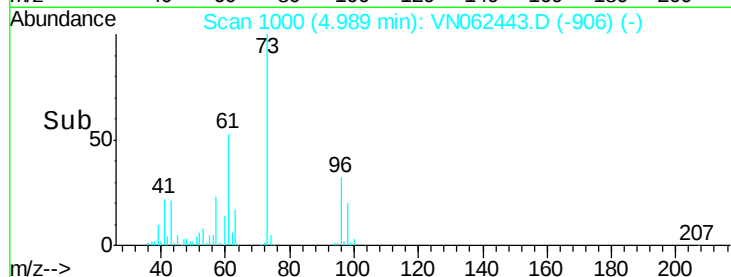
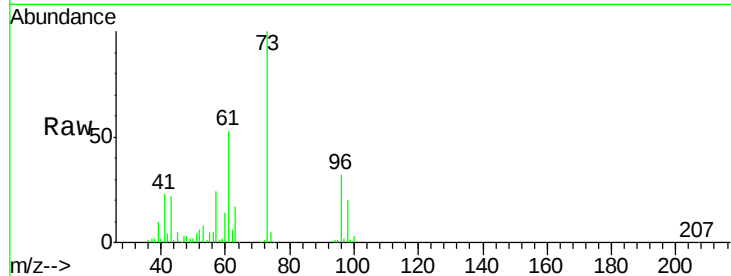
#21  
trans-1,2-Dichloroethene  
Concen: 52.294 ug/l  
RT: 4.99 min Scan# 1000  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 166.4 | 133.5 | 200.3 |
| 98      | 62.1  | 51.9  | 77.9  |

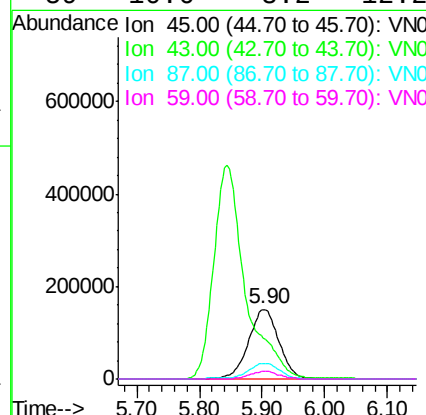
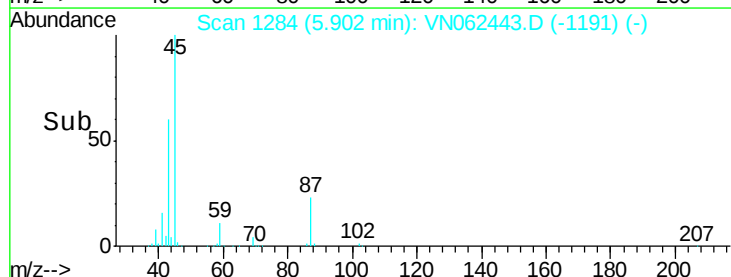
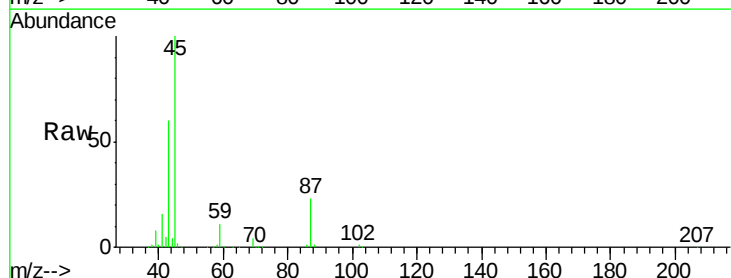
Manual Integrations  
APPROVED

MMDadoda  
7/9/2020 10:58:56 AM



#22  
Diisopropyl ether  
Concen: 52.561 ug/l  
RT: 5.90 min Scan# 1284  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 58.5  | 50.1  | 75.1  |
| 87      | 22.8  | 18.2  | 27.4  |
| 59      | 10.6  | 8.2   | 12.2  |





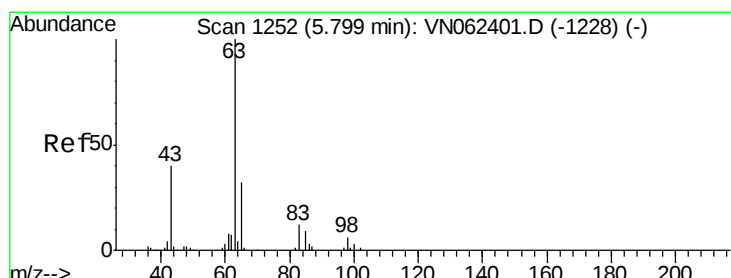
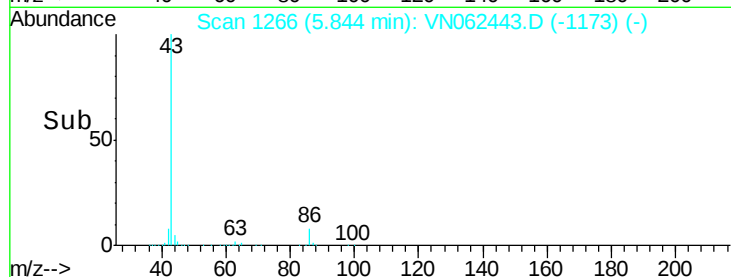
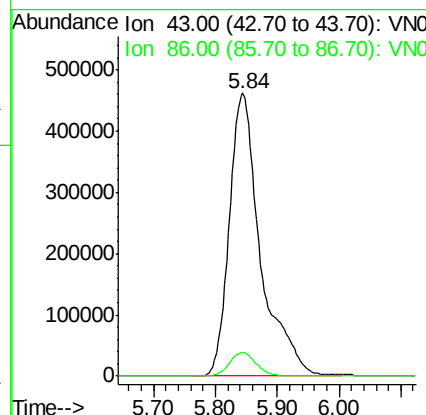
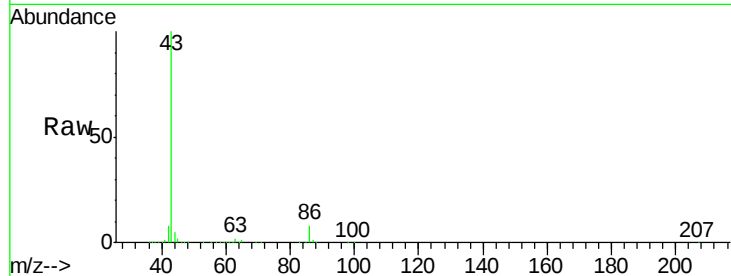
#23  
 Vinyl Acetate  
 Concen: 202.403 ug/l  
 RT: 5.84 min Scan# 1266  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-14MS

Tot Ion: 43 Resp: 1623253  
 Ion Ratio Lower Upper  
 43 100  
 86 8.5 6.7 10.1

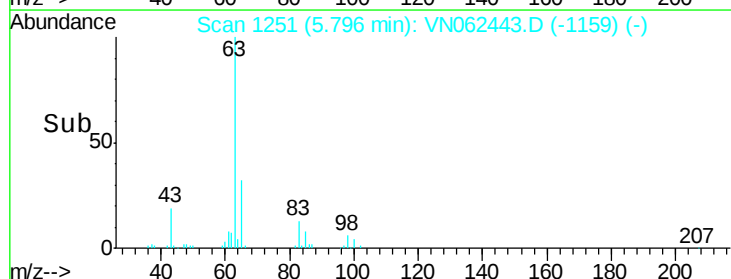
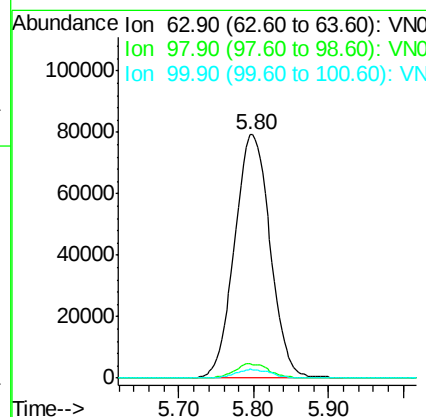
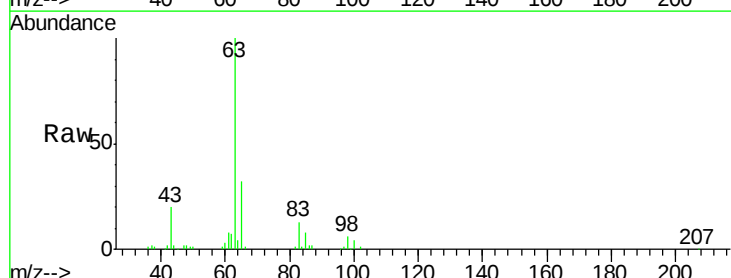
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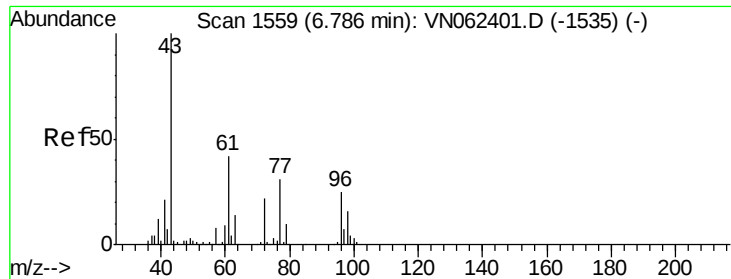
MMDadoda  
 7/9/2020 10:58:56 AM



#24  
 1,1-Dichloroethane  
 Concen: 52.477 ug/l  
 RT: 5.80 min Scan# 1251  
 Delta R.T. -0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Tgt Ion: 63 Resp: 262527  
 Ion Ratio Lower Upper  
 63 100  
 98 5.9 2.9 8.8  
 100 3.7 1.8 5.3





#25

2-Butanone

Concen: 252.614 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

ClientSampleId :

MW-14MS

Tot Ion: 43 Resp: 489055

Ion Ratio Lower Upper

43 100

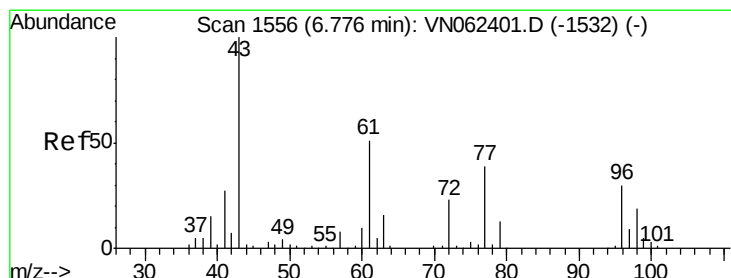
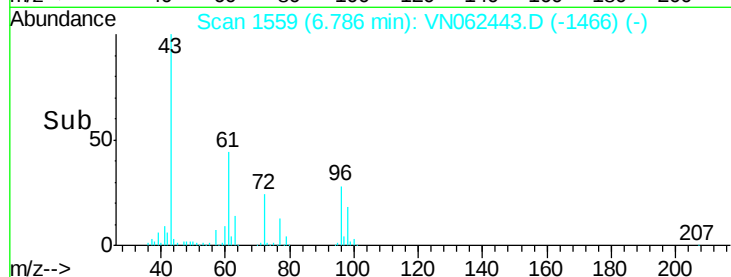
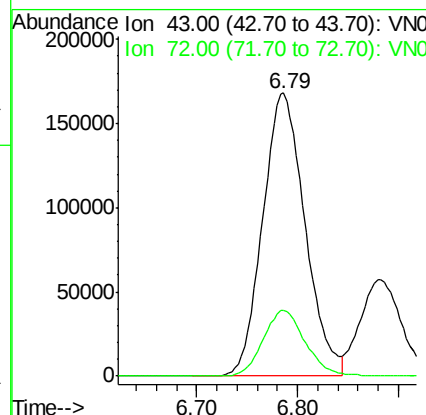
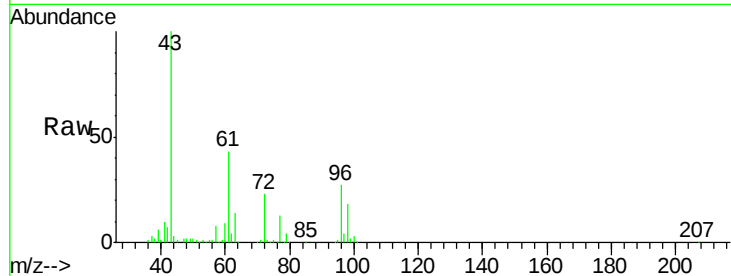
72 23.4 17.9 26.9

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#26

2,2-Dichloropropane

Concen: 19.891 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062443.D

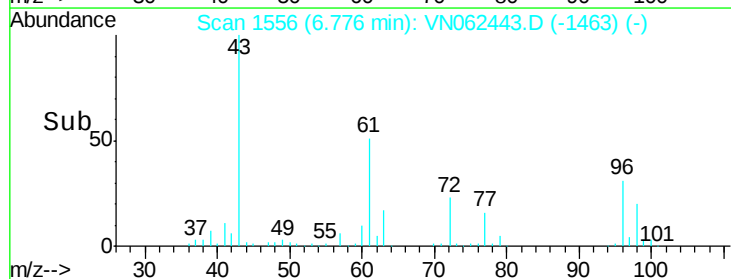
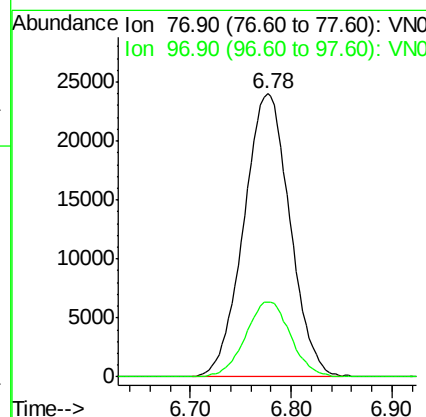
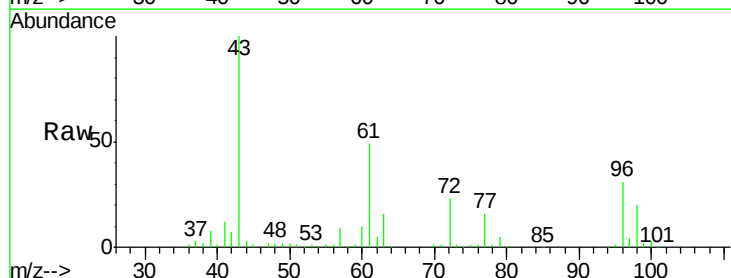
Acq: 9 Jul 2020 6:47

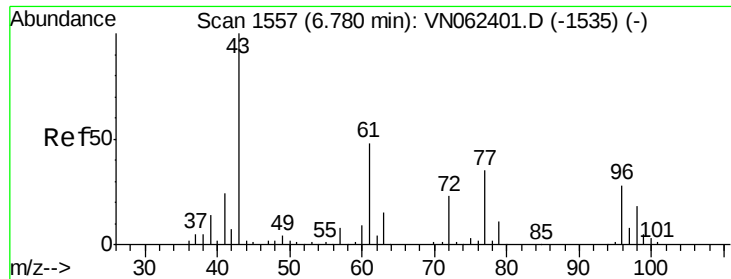
Tgt Ion: 77 Resp: 76297

Ion Ratio Lower Upper

77 100

97 25.9 10.9 32.9





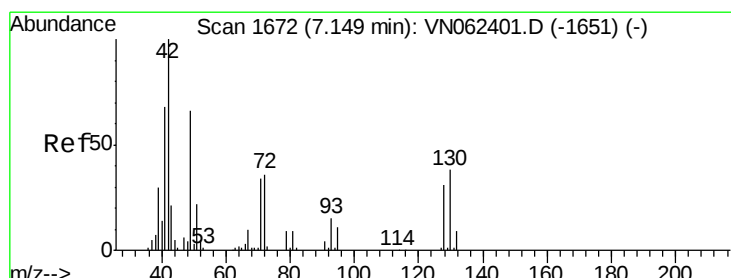
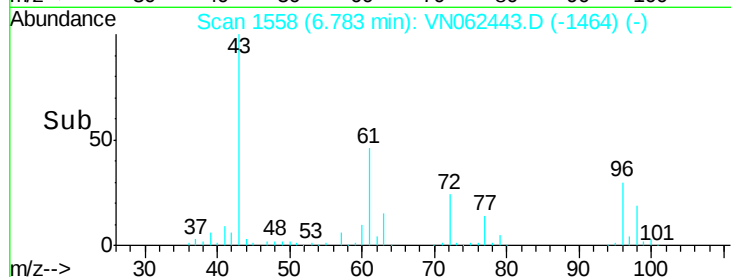
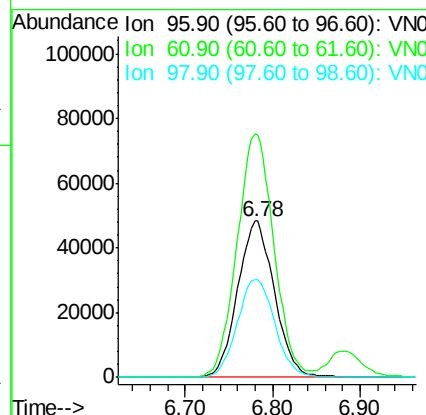
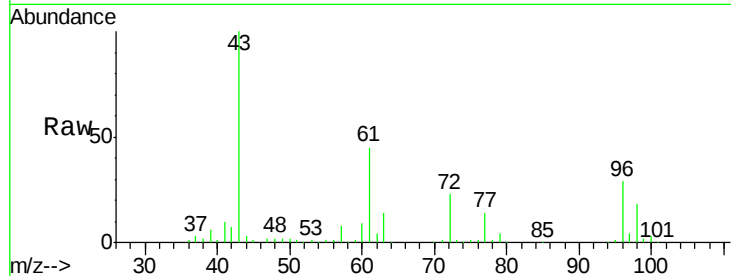
#27  
 cis-1,2-Dichloroethene  
 Concen: 53.798 ug/l  
 RT: 6.78 min Scan# 1558  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 156.4 | 0.0  | 343.4 |       |
| 98      | 64.1  | 0.0  | 128.4 |       |

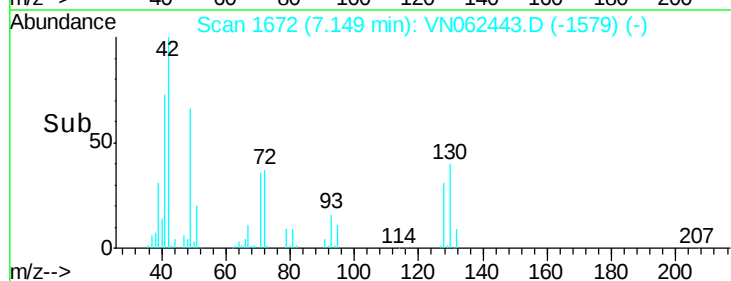
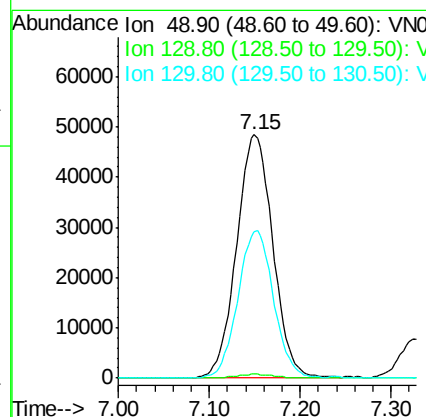
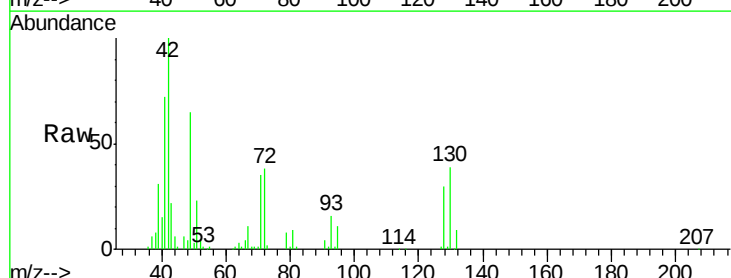
Manual Integrations  
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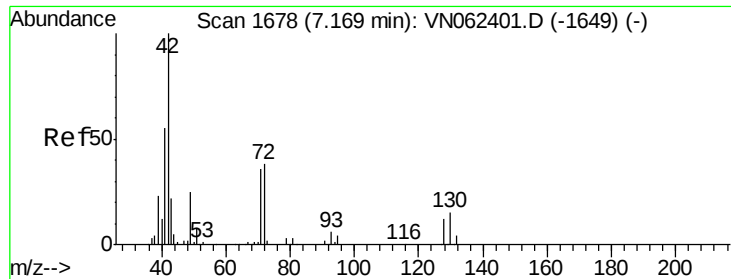
MMDadoda  
 7/9/2020 10:58:56 AM



#28  
 Bromochloromethane  
 Concen: 49.386 ug/l  
 RT: 7.15 min Scan# 1672  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.5   | 0.0  | 2.8   |       |
| 130     | 59.4  | 46.5 | 69.7  |       |





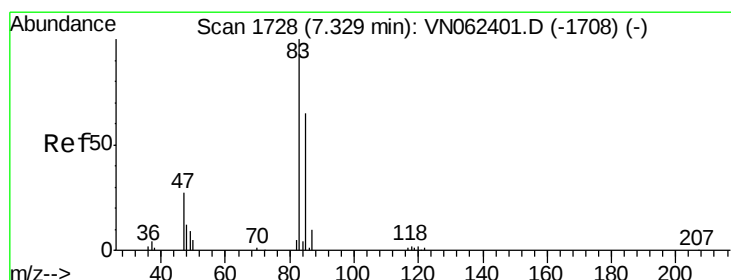
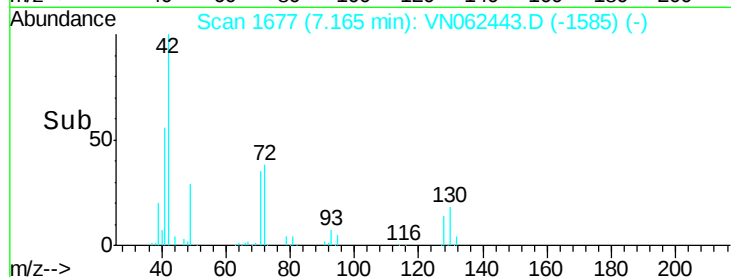
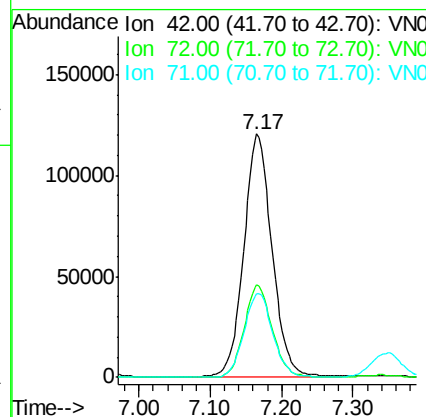
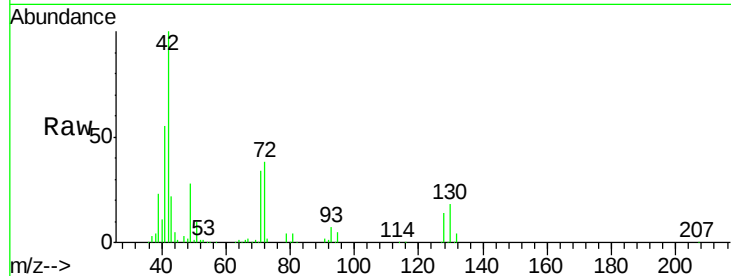
#29  
Tetrahydrofuran  
Concen: 256.536 ug/l  
RT: 7.17 min Scan# 1677  
Delta R.T. -0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 37.2  | 29.1  | 43.7  |
| 71      | 35.0  | 28.1  | 42.1  |

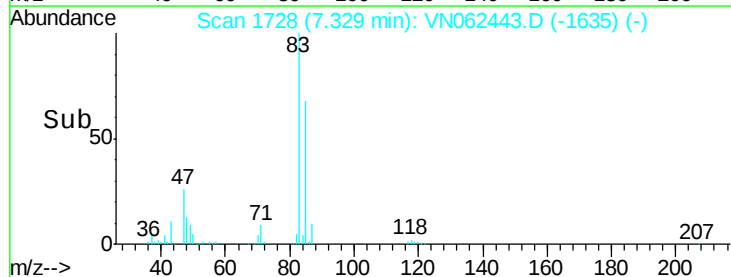
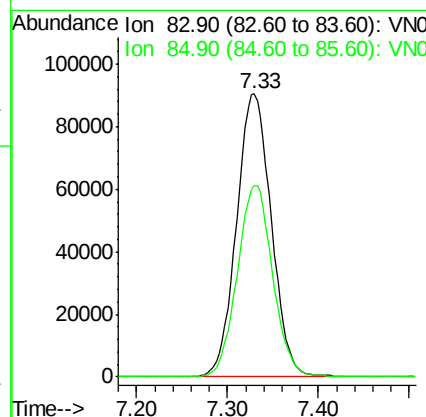
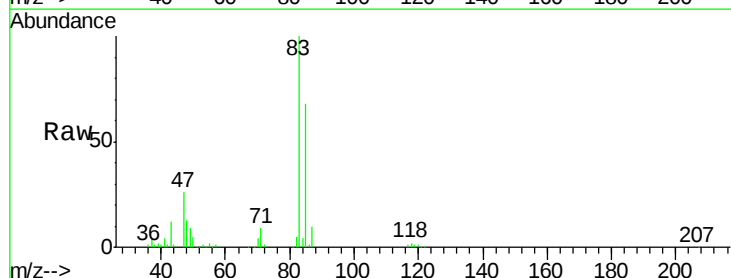
Manual Integrations  
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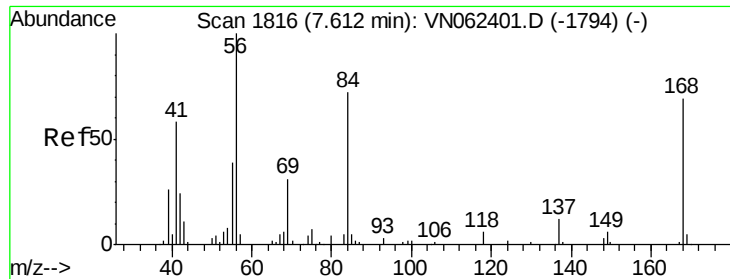
MMDadoda  
7/9/2020 10:58:56 AM



#30  
Chloroform  
Concen: 53.171 ug/l  
RT: 7.33 min Scan# 1728  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 67.7  | 51.8  | 77.6  |





#31

Cyclohexane

Concen: 61.645 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

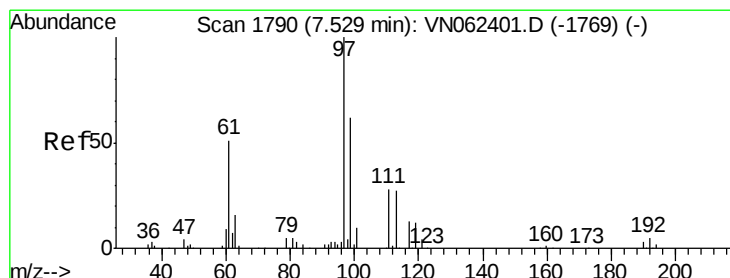
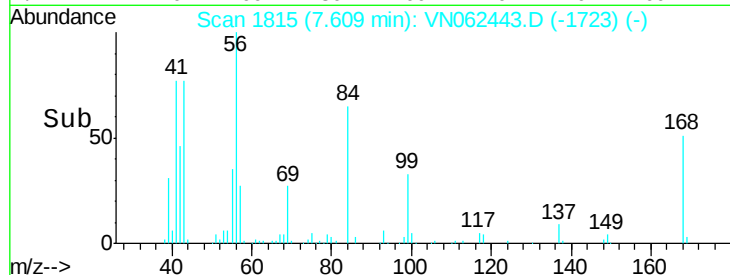
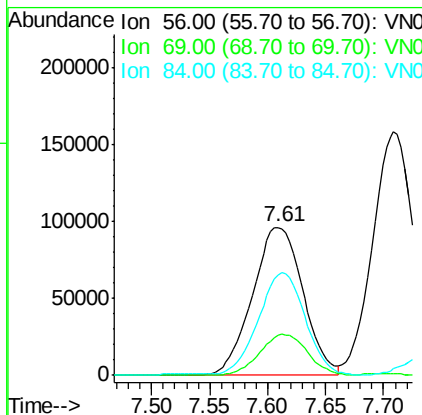
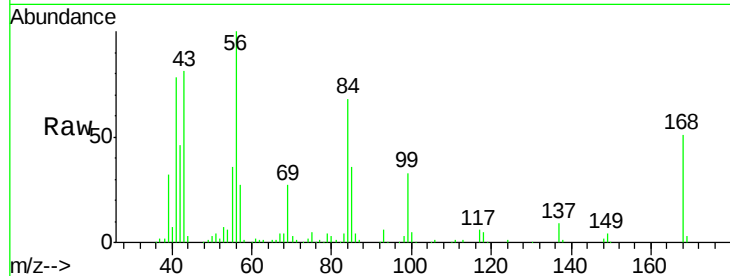
ClientSampled :

MW-14MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 292361 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 26.9  | 24.5  | 36.7   |
| 84        | 66.5  | 57.4  | 86.2   |

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#32

1,1,1-Trichloroethane

Concen: 52.831 ug/l

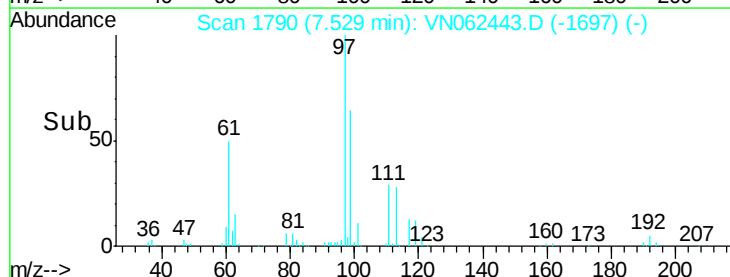
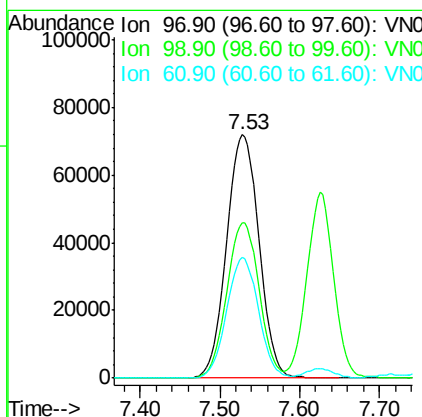
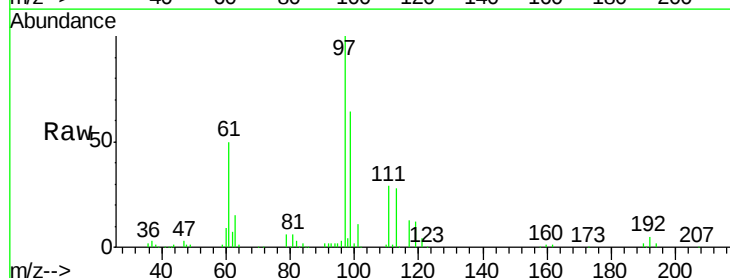
RT: 7.53 min Scan# 1790

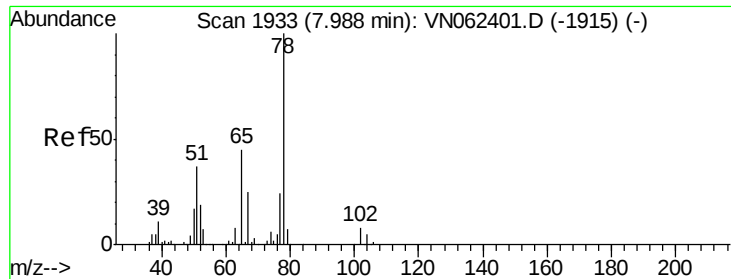
Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 198502 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 63.6  | 50.4  | 75.6   |
| 61        | 48.7  | 39.9  | 59.9   |





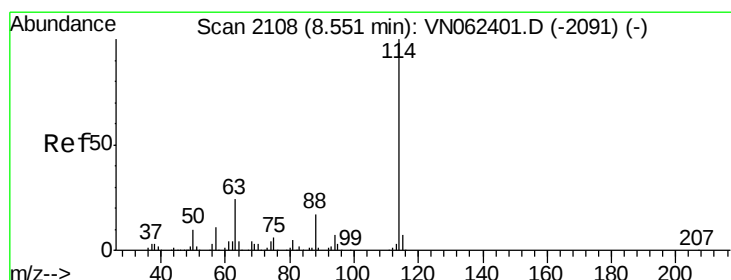
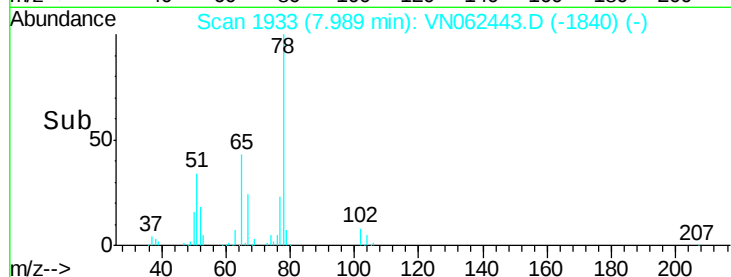
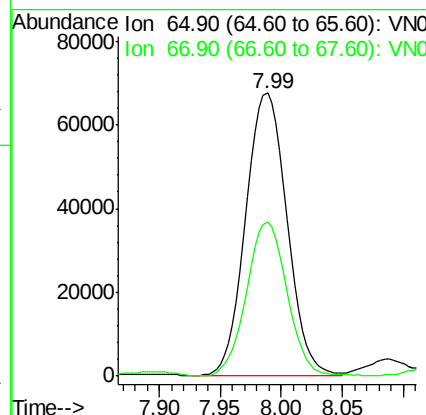
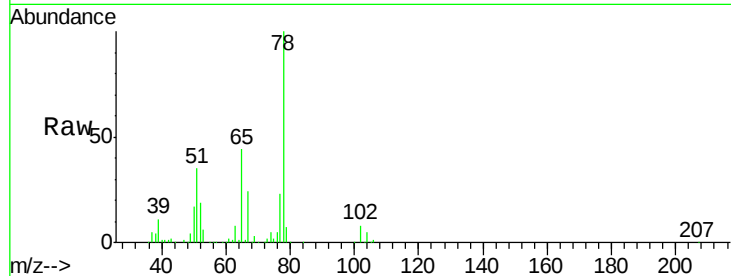
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.038 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 159360 |       |       |
| 67      | 52.6  | 0.0    | 107.6 |       |

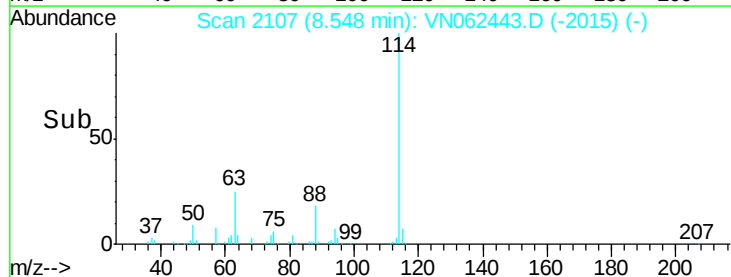
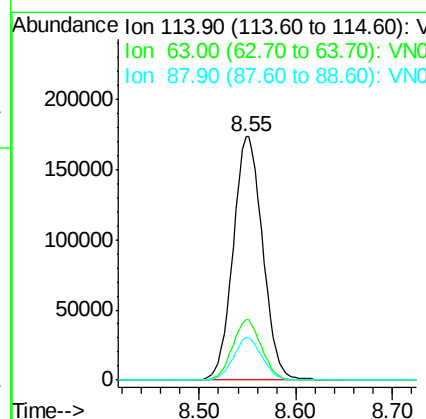
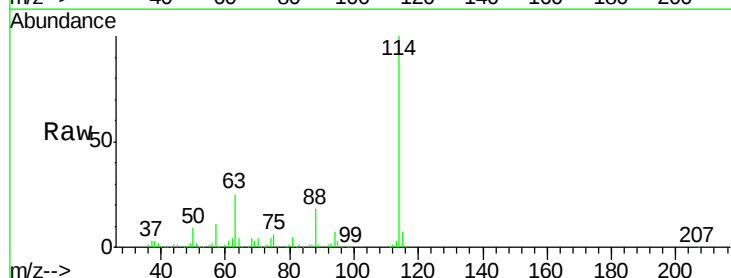
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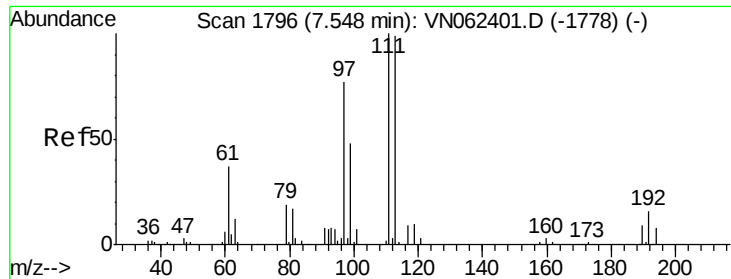
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 367171 |       |       |
| 63      | 24.9  | 0.0    | 48.4  |       |
| 88      | 17.5  | 0.0    | 33.8  |       |





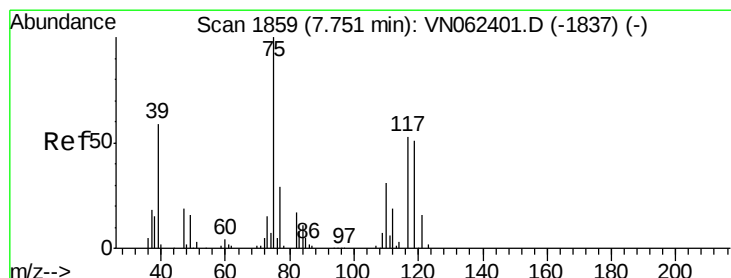
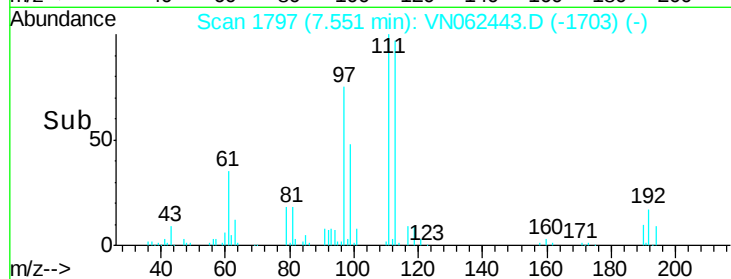
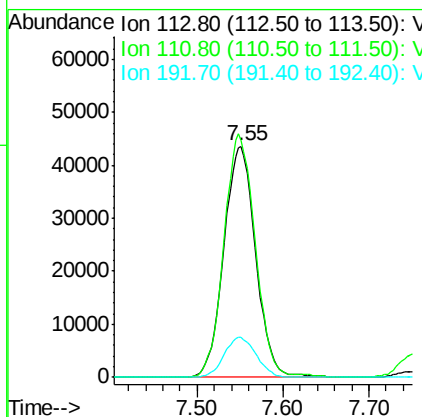
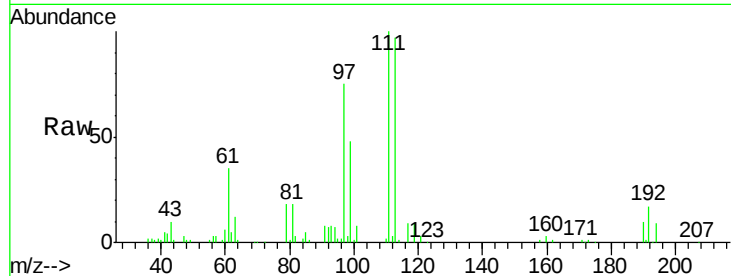
#35  
Dibromofluoromethane  
Concen: 49.193 ug/l  
RT: 7.55 min Scan# 1797  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 104.1 | 83.1 | 124.7 |       |
| 192     | 17.5  | 14.1 | 21.1  |       |

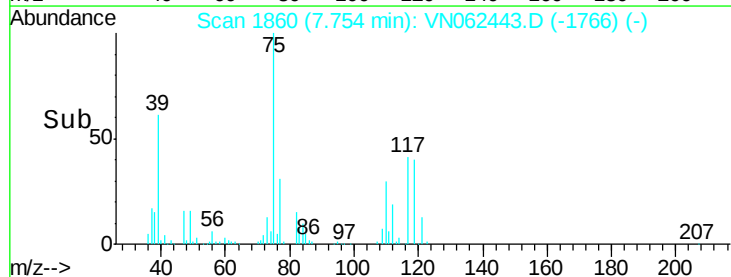
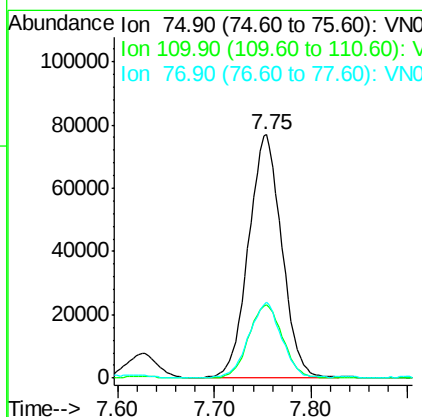
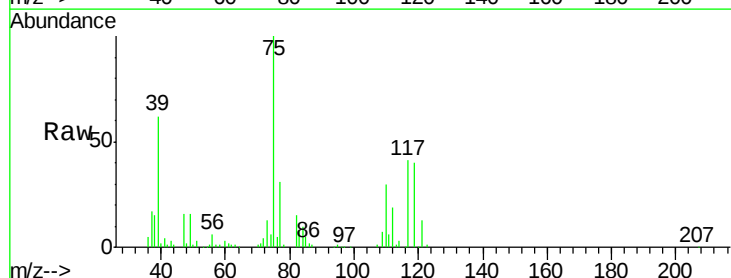
Manual Integrations  
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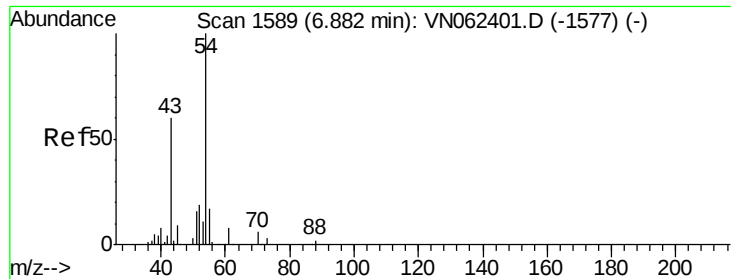
MMDadoda  
7/9/2020 10:58:56 AM



#36  
1,1-Dichloropropene  
Concen: 49.397 ug/l  
RT: 7.75 min Scan# 1860  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 30.8  | 15.4 | 46.2  |       |
| 77      | 30.9  | 24.1 | 36.1  |       |





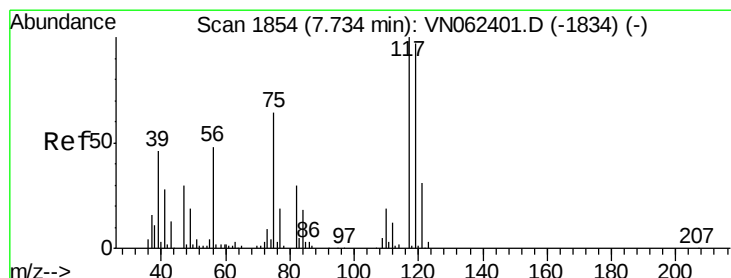
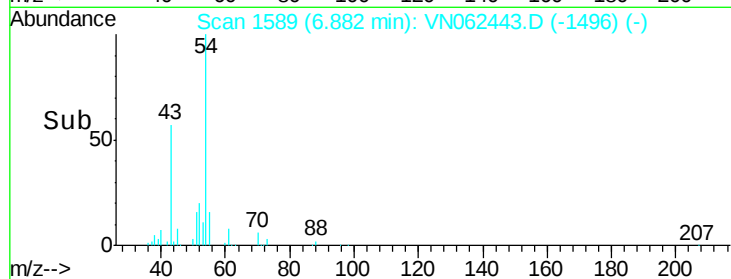
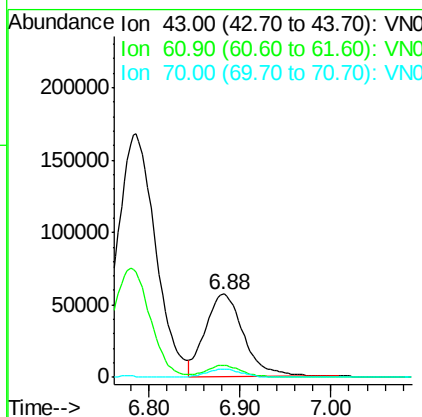
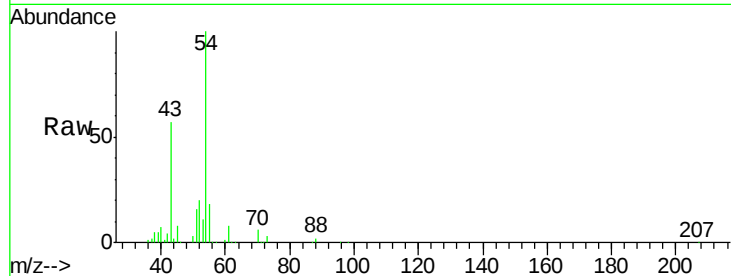
#37  
Ethyl Acetate  
Concen: 38.741 ug/l  
RT: 6.88 min Scan# 1589  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14MS

| Tot Ion | 43   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 43      | 100  |       |       |       |
| 61      | 12.9 | 10.7  | 16.1  |       |
| 70      | 9.2  | 7.2   | 10.8  |       |

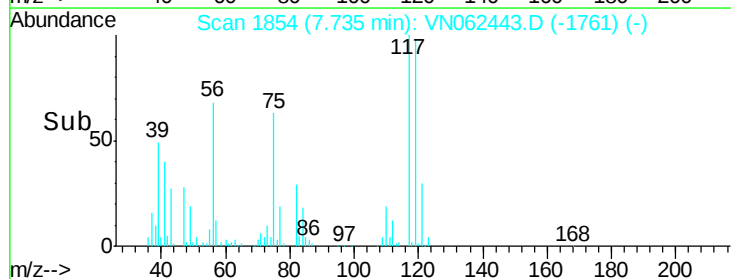
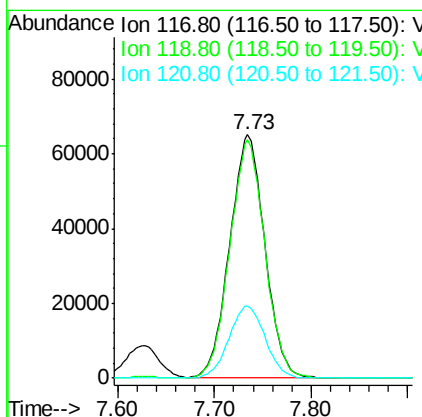
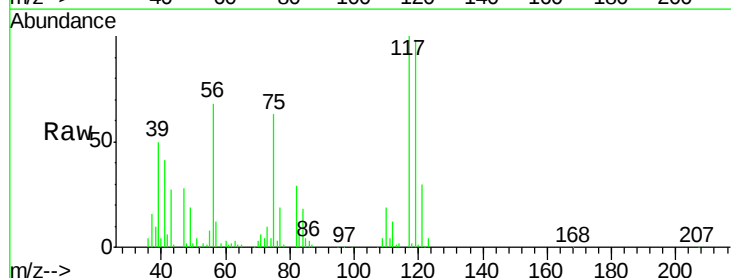
Manual Integrations  
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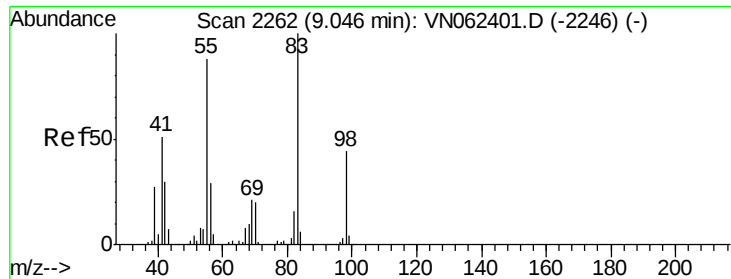
MMDadoda  
7/9/2020 10:58:56 AM



#38  
Carbon Tetrachloride  
Concen: 49.471 ug/l  
RT: 7.73 min Scan# 1854  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion | 117  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 117     | 100  |       |       |       |
| 119     | 97.7 | 77.2  | 115.8 |       |
| 121     | 29.9 | 24.8  | 37.2  |       |





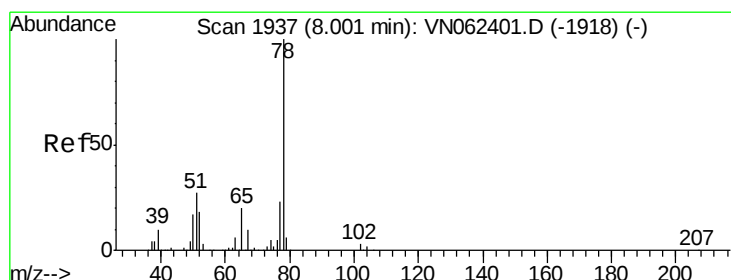
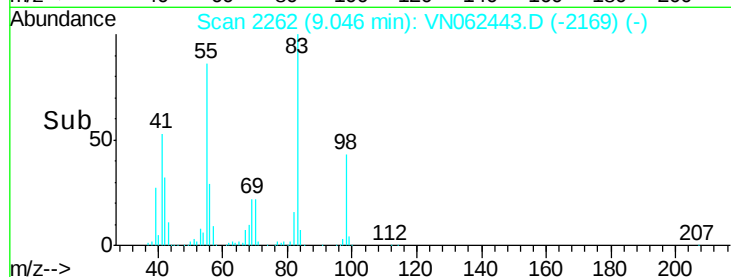
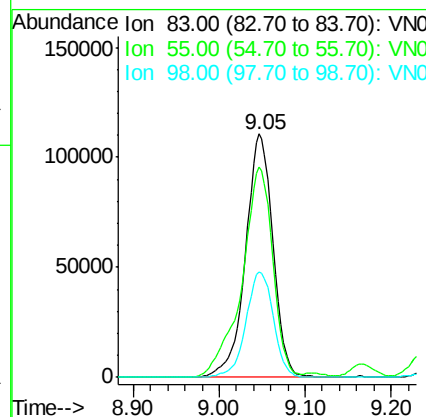
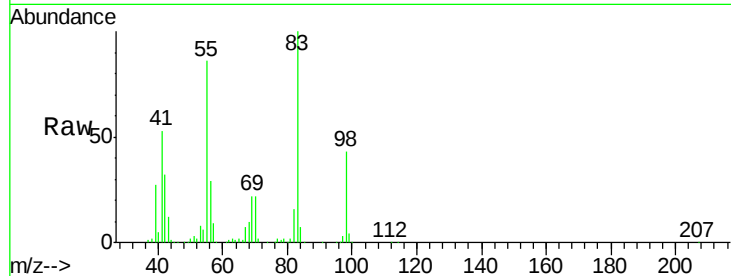
#39  
Methvlcvclohexane  
Concen: 62.048 ug/l  
RT: 9.05 min Scan# 2262  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 245045 |       |       |
| 55      | 86.1  | 70.5   | 105.7 |       |
| 98      | 43.3  | 35.5   | 53.3  |       |

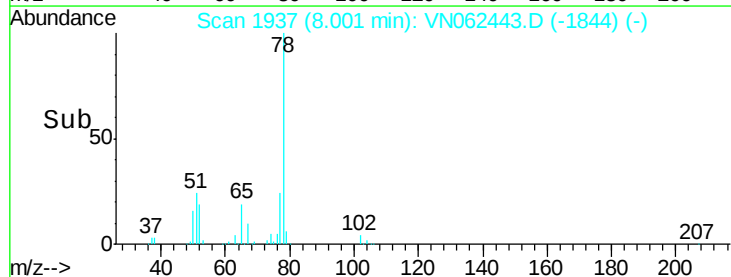
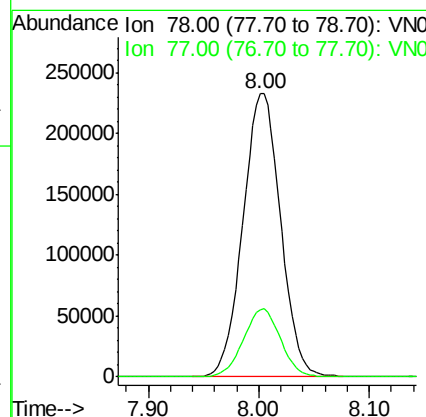
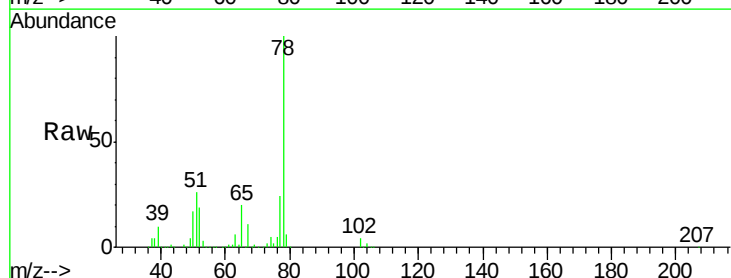
Manual Integrations  
APPROVED

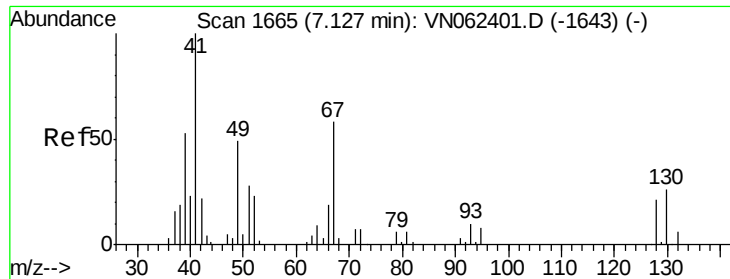
MMDadoda  
7/9/2020 10:58:56 AM



#40  
Benzene  
Concen: 50.547 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 551087 |       |       |
| 77      | 23.9  | 18.7   | 28.1  |       |





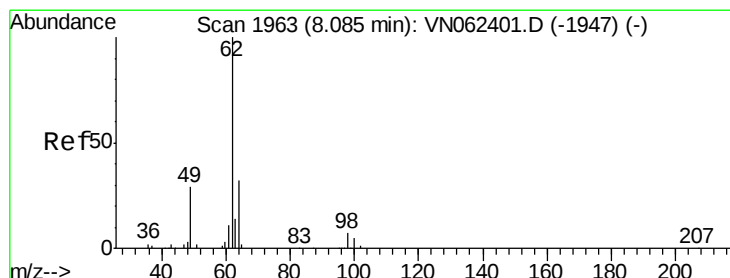
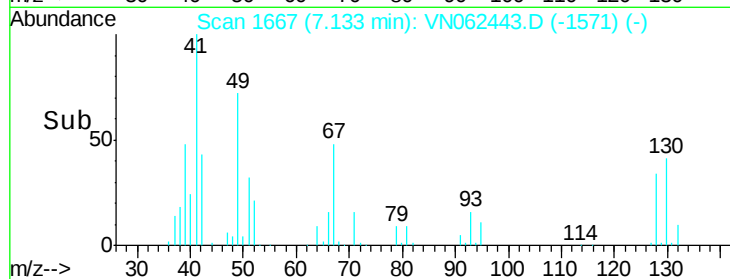
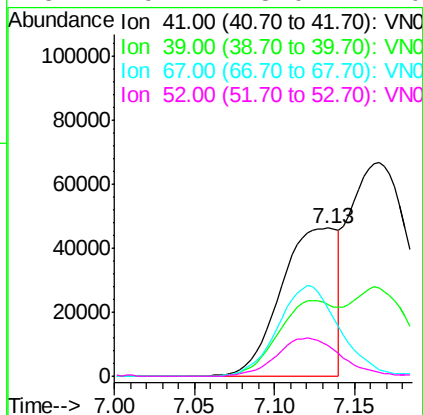
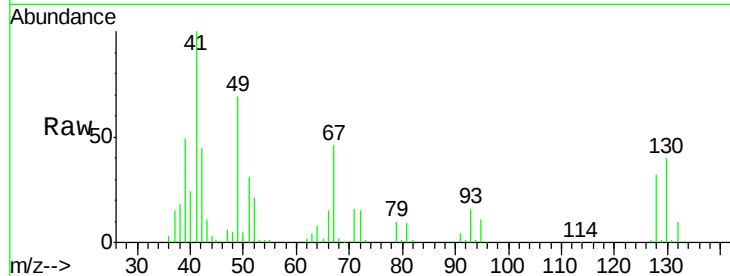
#41  
Methacrylonitrile  
Concen: 63.239 ug/l  
RT: 7.13 min Scan# 1667  
Delta R.T. 0.01 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-14MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 51.6 | 50.2  | 75.2  |       |
| 67      | 66.8 | 64.2  | 96.2  |       |
| 52      | 29.4 | 28.0  | 42.0  |       |

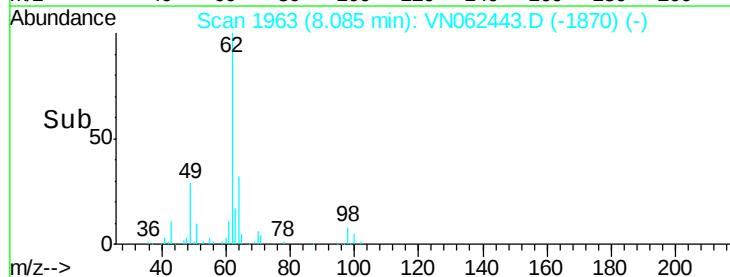
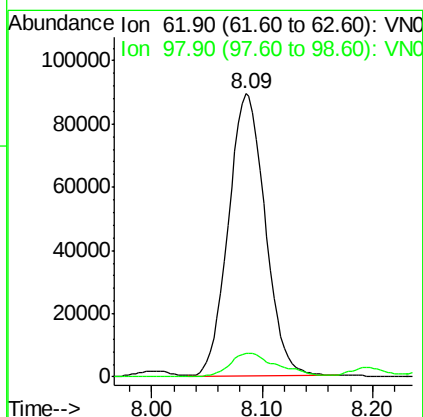
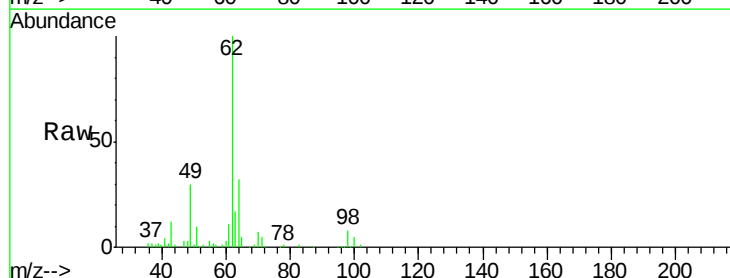
Manual Integrations  
APPROVED

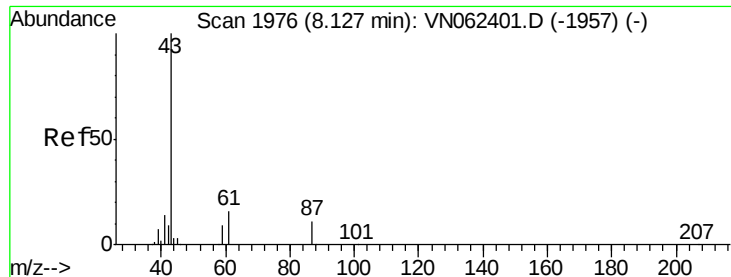
MMDadoda  
7/9/2020 10:58:56 AM



#42  
1,2-Dichloroethane  
Concen: 51.866 ug/l  
RT: 8.09 min Scan# 1963  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 11.0 | 0.0   | 15.8  |       |





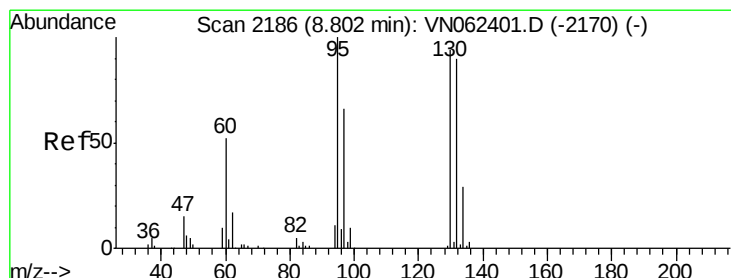
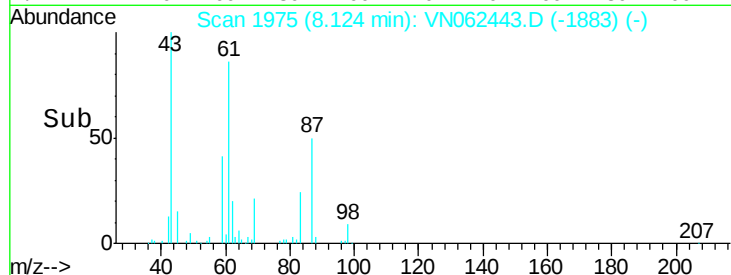
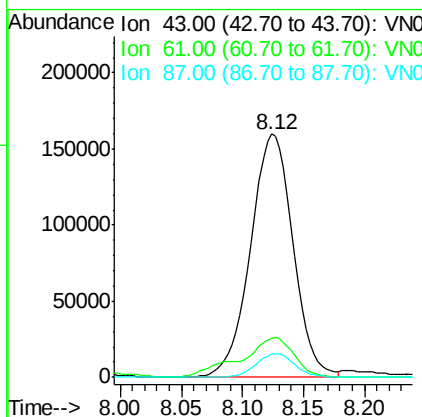
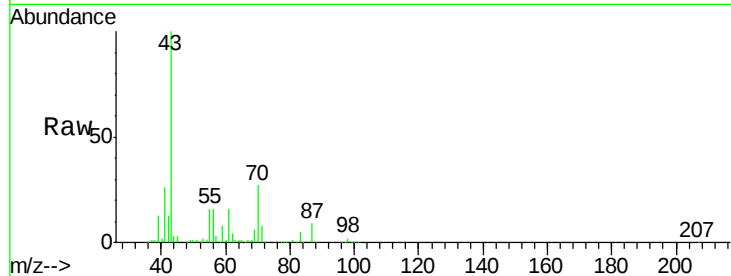
#43  
Isopropyl Acetate  
Concen: 56.259 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.0  | 19.3  | 28.9  |
| 87      | 9.0   | 8.6   | 13.0  |

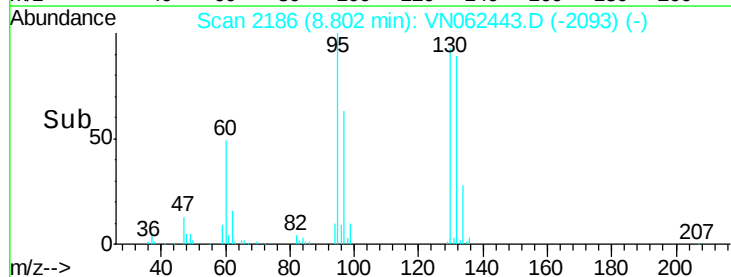
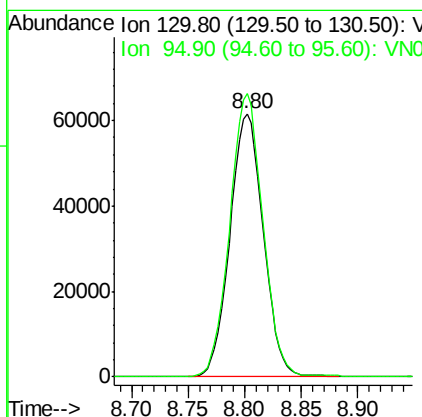
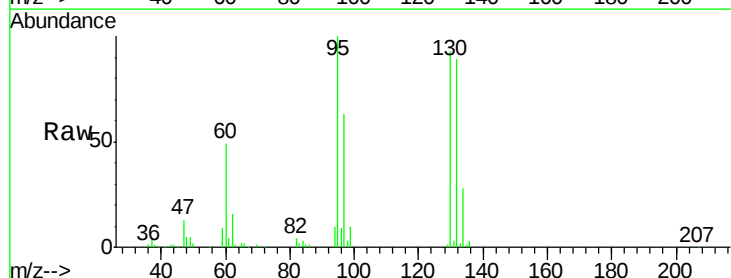
Manual Integrations  
APPROVED

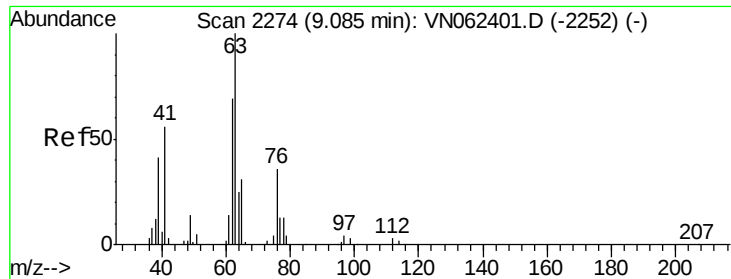
MMDadoda  
7/9/2020 10:58:56 AM



#44  
Trichloroethene  
Concen: 52.375 ug/l  
RT: 8.80 min Scan# 2186  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 107.6 | 0.0   | 213.8 |





#45

1,2-Dichloropropane

Concen: 50.863 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

ClientSampleId :

MW-14MS

Tot Ion: 63 Resp: 160976

Ion Ratio Lower Upper

63 100

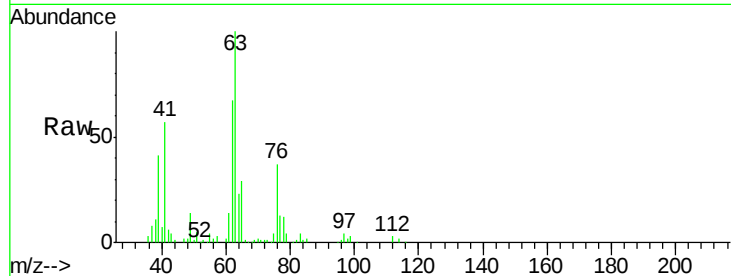
65 29.3 24.6 36.8

Manual Integrations

APPROVED

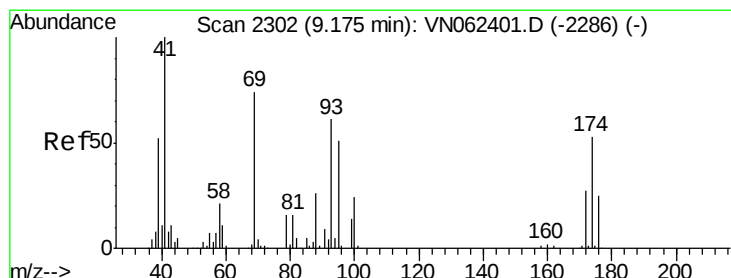
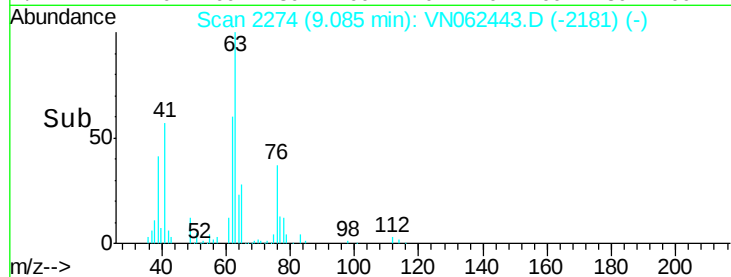
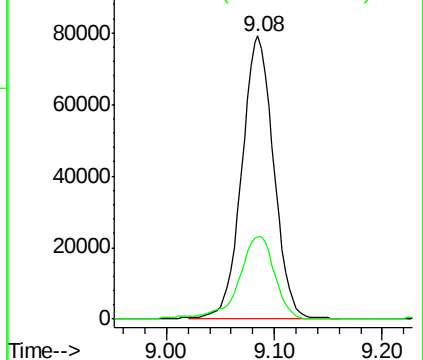
MMDadoda

7/9/2020 10:58:56 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 51.633 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

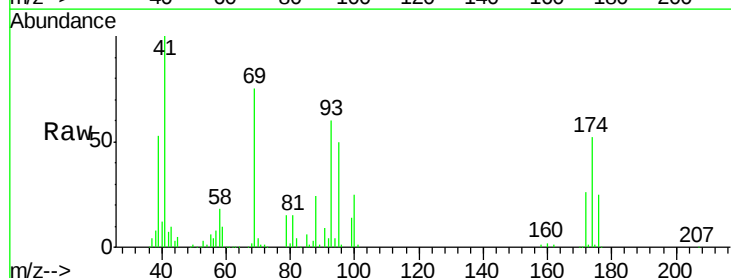
Tgt Ion: 93 Resp: 92218

Ion Ratio Lower Upper

93 100

95 82.8 67.1 100.7

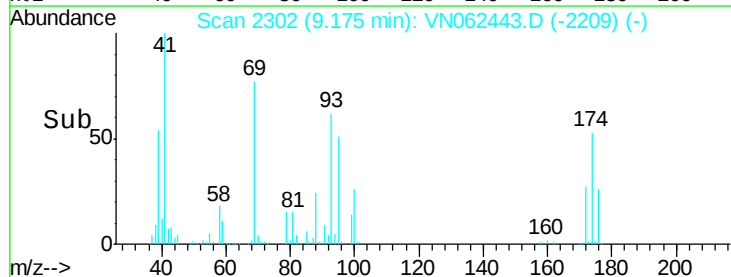
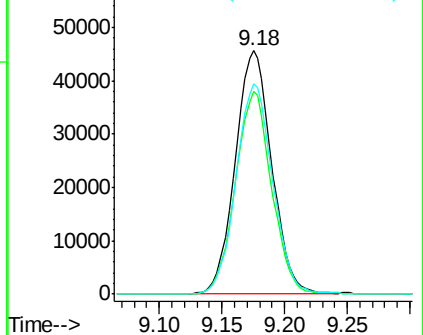
174 87.3 70.4 105.6

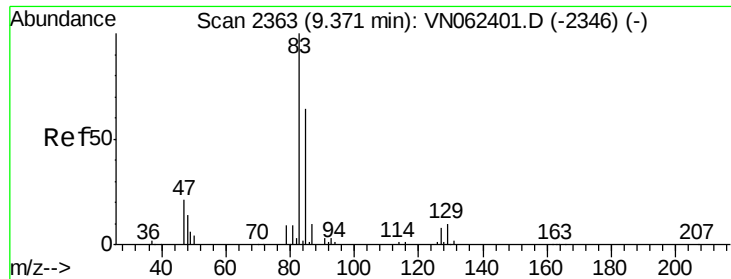


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 51.709 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

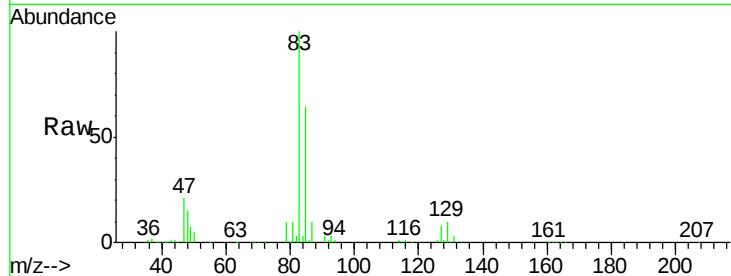
ClientSampleId :

MW-14MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 197450 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.1  | 51.2  | 76.8   |
| 127      | 8.1   | 6.2   | 9.2    |

Manual Integrations  
APPROVED

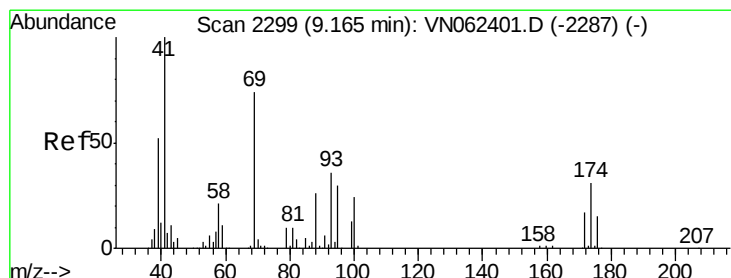
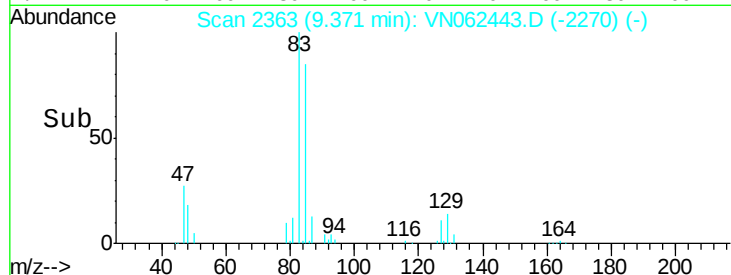
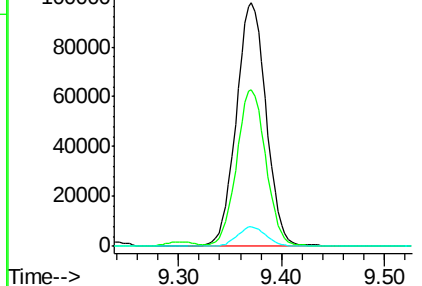
MMDadoda  
7/9/2020 10:58:56 AM



Abundance Ion 82.90 (82.60 to 83.60): VN062443.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062443.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062443.D (-2270) (-)



#48

Methyl methacrylate

Concen: 49.324 ug/l

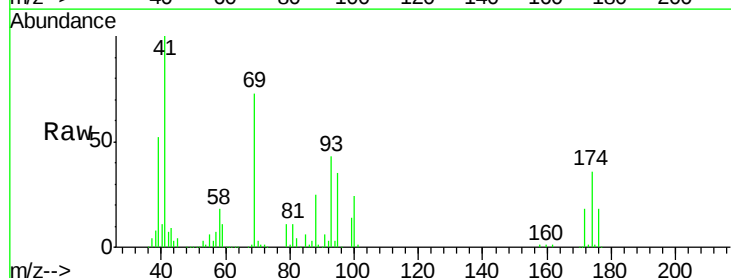
RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

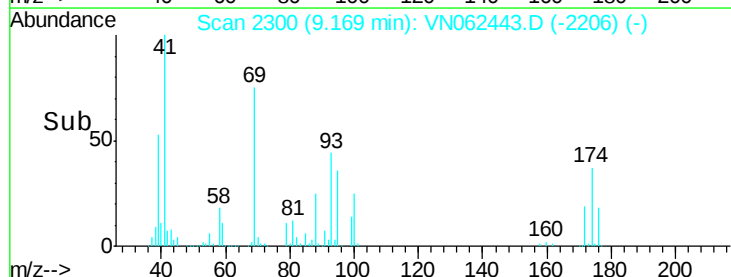
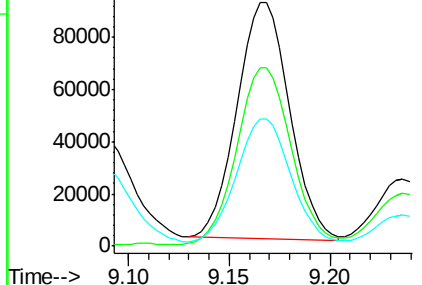
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 165326 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 77.8  | 60.8  | 91.2   |
| 39       | 53.5  | 43.5  | 65.3   |

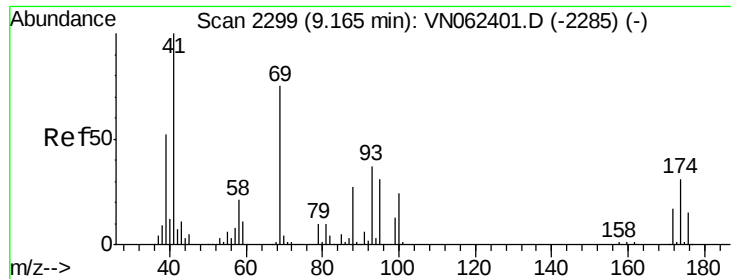


Abundance Ion 41.00 (40.70 to 41.70): VN062443.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062443.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062443.D (-2206) (-)





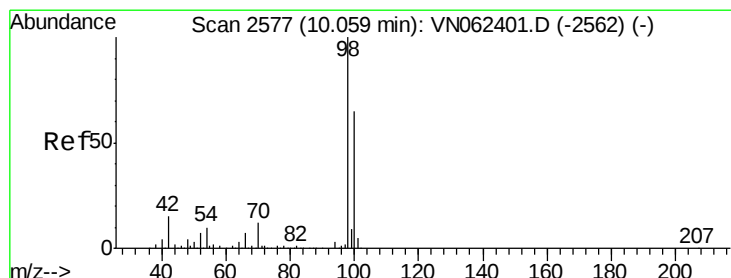
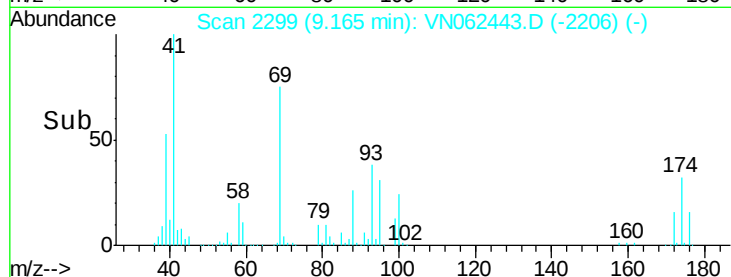
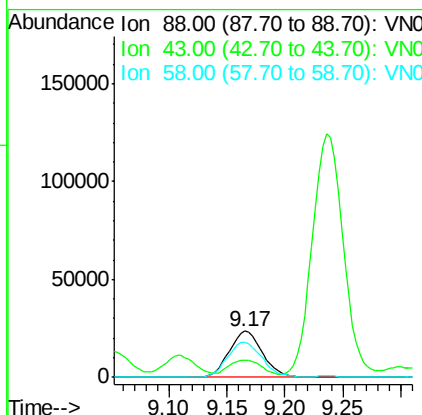
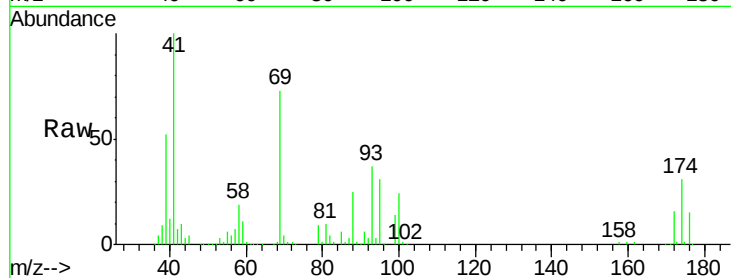
#49  
1,4-Dioxane  
Concen: 973.359 ug/l  
RT: 9.17 min Scan# 2299  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14MS

| Tot Ion   | 88    | Resp  | 47487 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 36.5  | 31.0  | 46.4  |
| 58        | 79.2  | 63.3  | 94.9  |

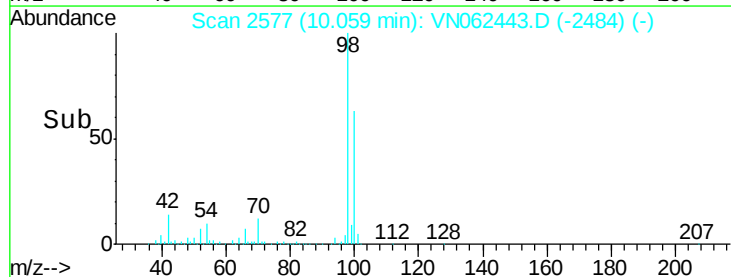
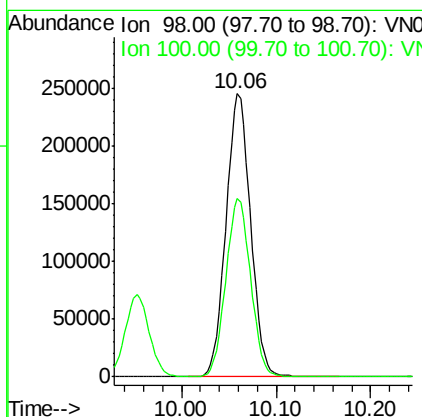
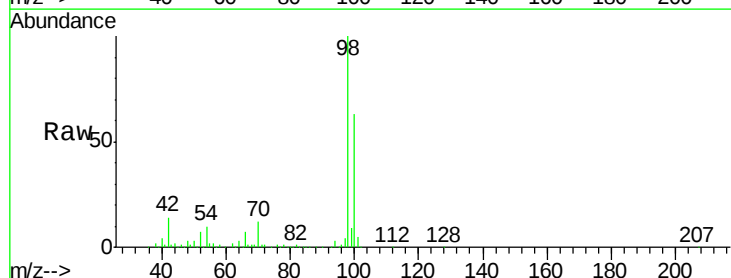
Manual Integrations  
APPROVED

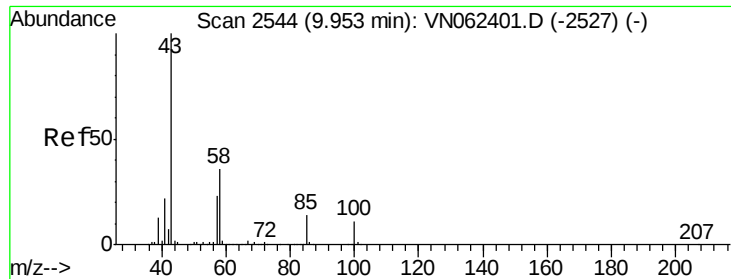
MMDadoda  
7/9/2020 10:58:56 AM



#50  
Toluene-d8  
Concen: 49.428 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion   | 98    | Resp  | 442859 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 63.4  | 51.5  | 77.3   |





#51

4-Methyl-2-Pentanone

Concen: 257.636 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

ClientSampleId :

MW-14MS

Tot Ion: 43 Resp: 1051487

Ion Ratio Lower Upper

43 100

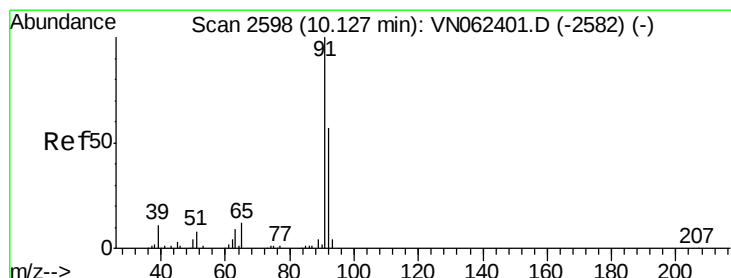
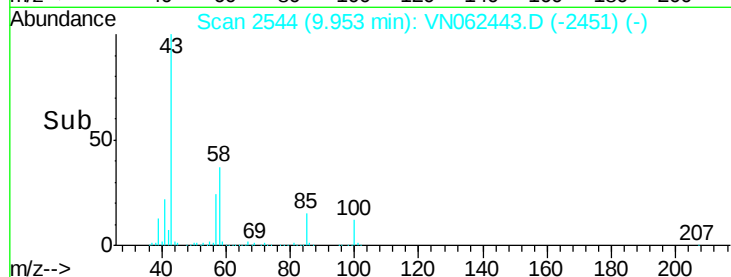
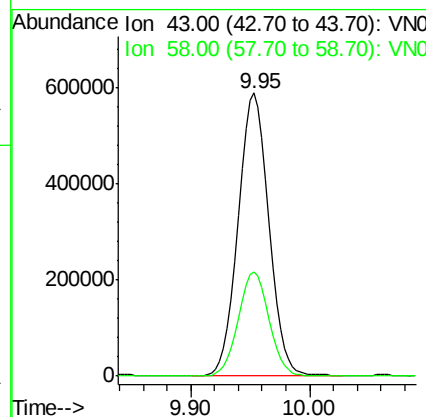
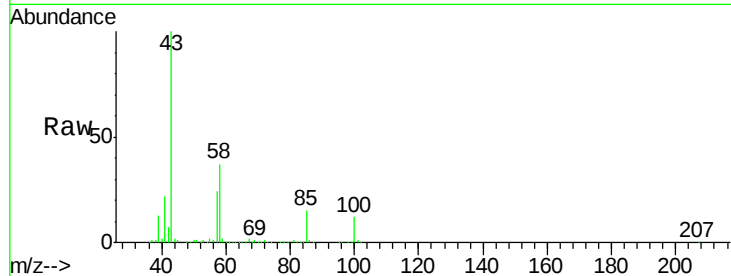
58 37.1 29.0 43.6

Manual Integrations

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7/9/2020 10:58:56 AM



#52

Toluene

Concen: 52.360 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062443.D

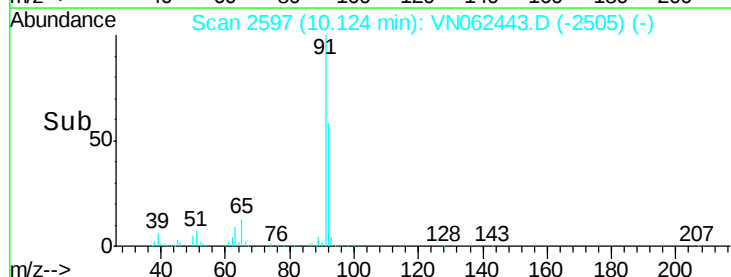
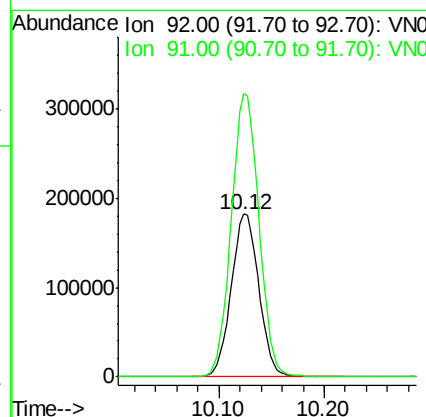
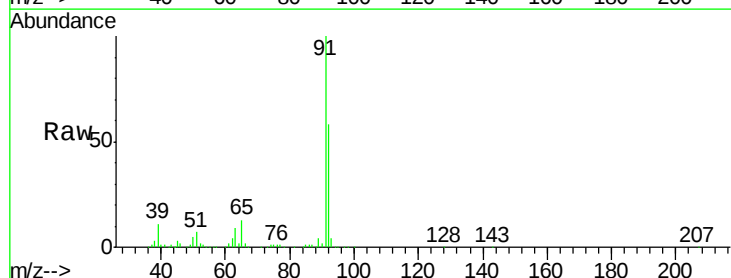
Acq: 9 Jul 2020 6:47

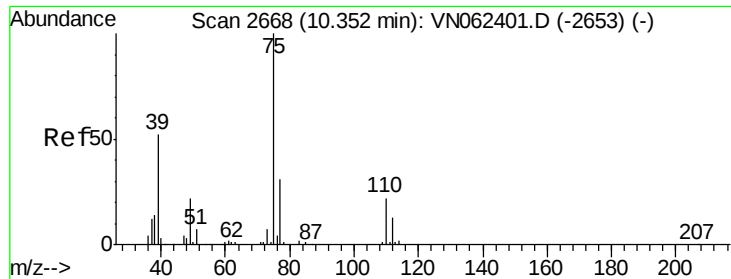
Tgt Ion: 92 Resp: 329727

Ion Ratio Lower Upper

92 100

91 174.7 141.0 211.6





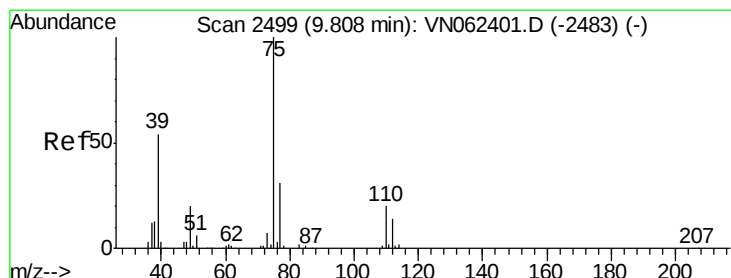
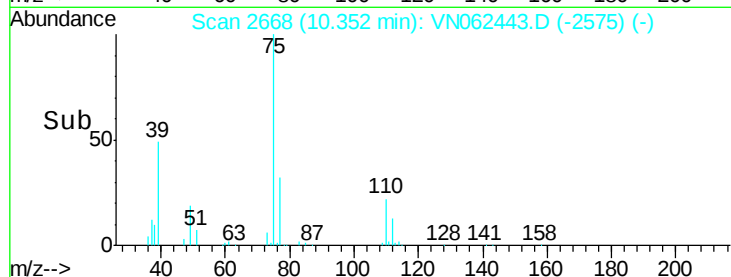
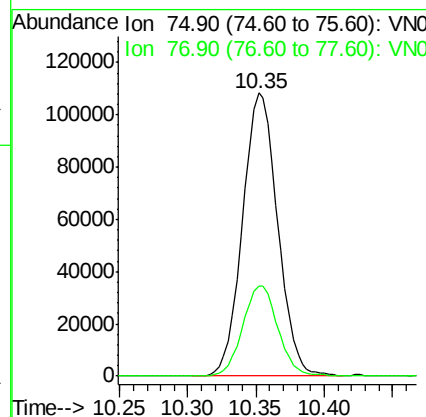
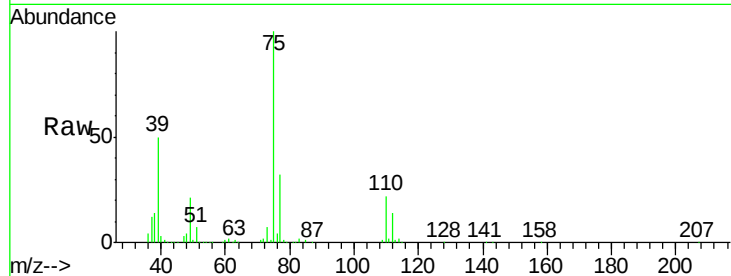
#53  
t-1,3-Dichloropropene  
Concen: 45.298 ug/l  
RT: 10.35 min Scan# 2668  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-14MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.8  | 25.2  | 37.8  |

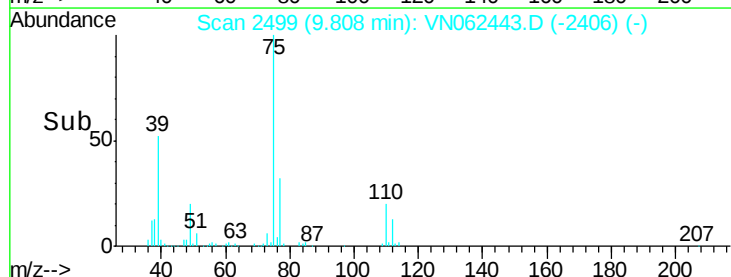
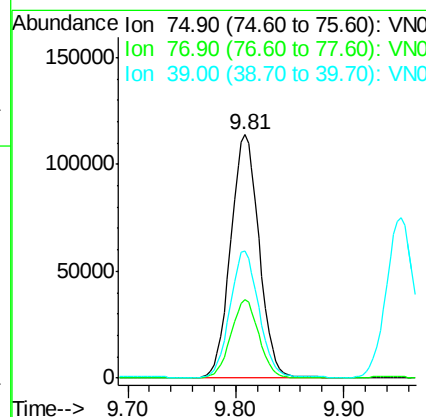
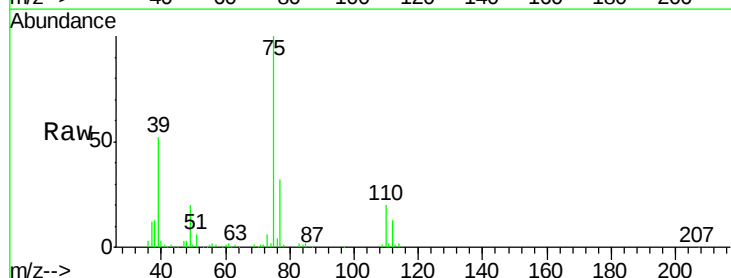
Manual Integrations  
APPROVED

MMDadoda  
7/9/2020 10:58:56 AM



#54  
cis-1,3-Dichloropropene  
Concen: 44.546 ug/l  
RT: 9.81 min Scan# 2499  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.2  | 24.5  | 36.7  |
| 39      | 52.1  | 43.4  | 65.0  |





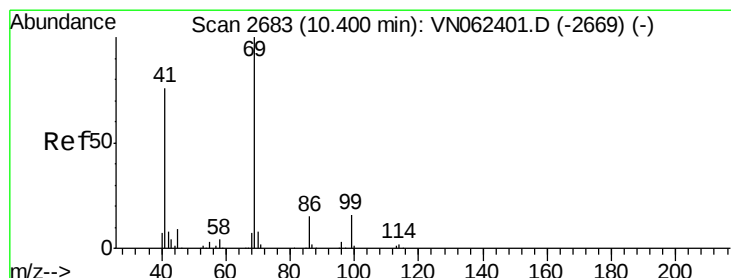
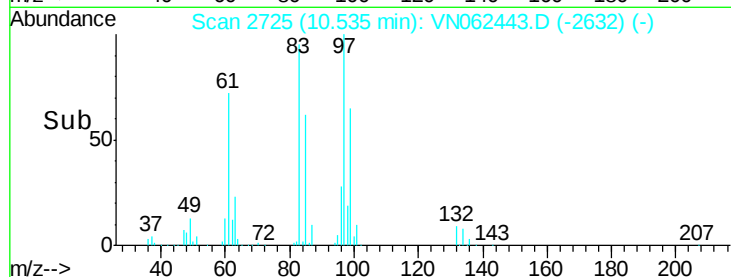
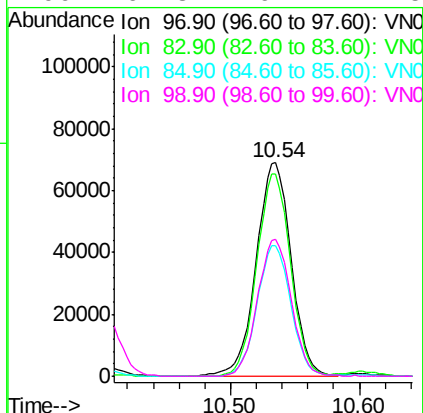
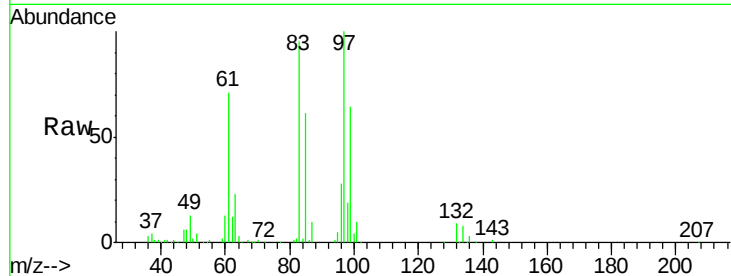
#55  
 1,1,2-Trichloroethane  
 Concen: 52.906 ug/l  
 RT: 10.54 min Scan# 2725  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-14MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 131035 |       |       |
| 83      | 94.7 | 71.0  | 106.4  |       |       |
| 85      | 61.2 | 46.2  | 69.4   |       |       |
| 99      | 64.3 | 49.7  | 74.5   |       |       |

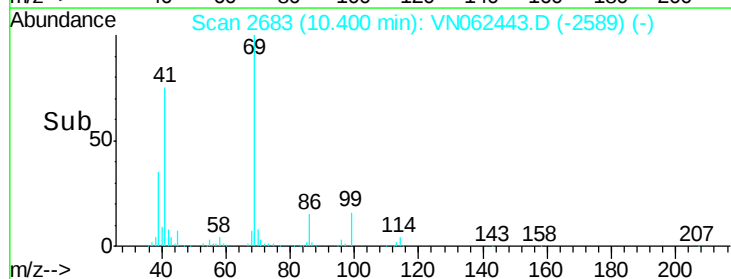
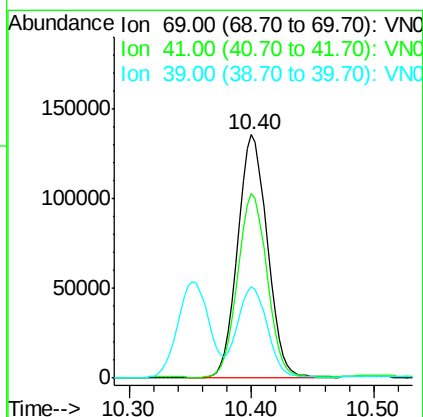
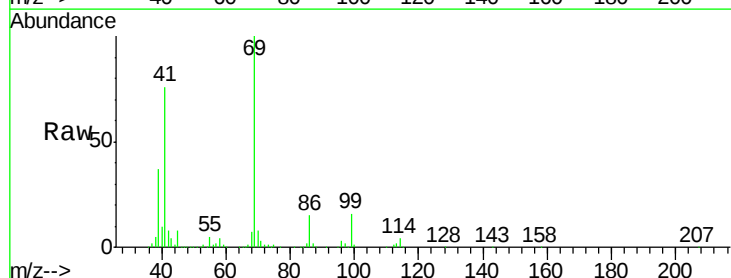
Manual Integrations  
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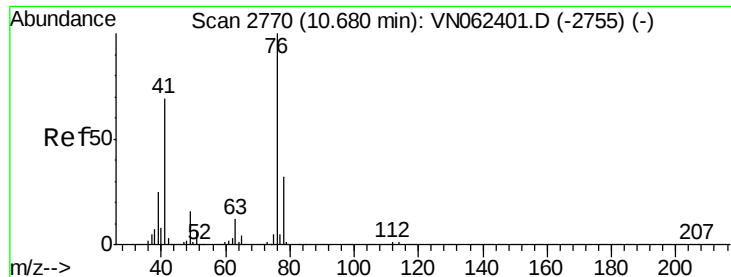
MMDadoda  
 7/9/2020 10:58:56 AM



#56  
 Ethyl methacrylate  
 Concen: 50.319 ug/l  
 RT: 10.40 min Scan# 2683  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 229411 |       |       |
| 41      | 74.4 | 59.7  | 89.5   |       |       |
| 39      | 37.2 | 30.6  | 45.8   |       |       |





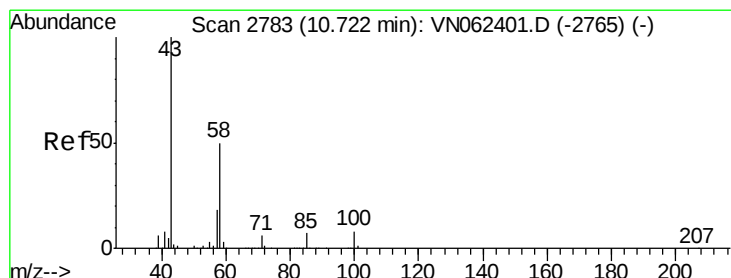
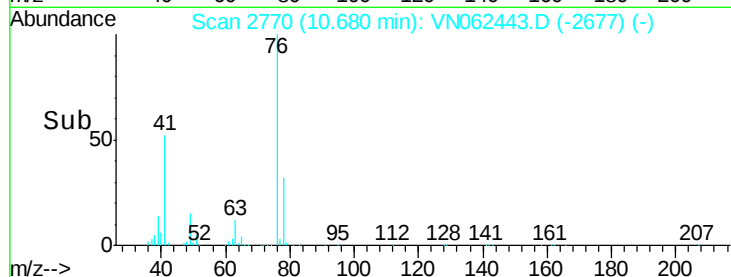
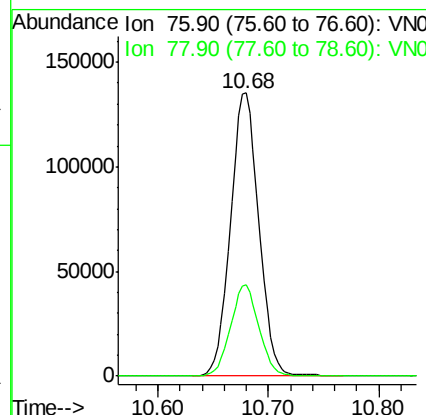
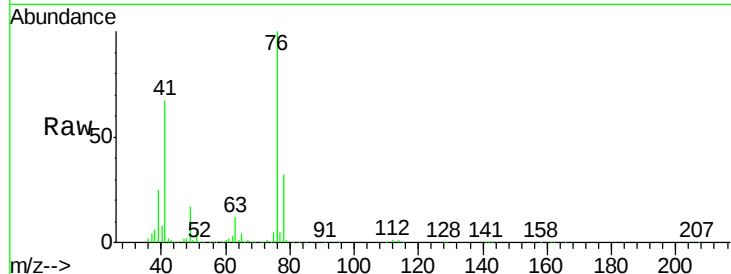
#57  
 1,3-Dichloropropane  
 Concen: 52.735 ug/l  
 RT: 10.68 min Scan# 2770  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-14MS

Tot Ion: 76 Resp: 241306  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 25.6 38.4

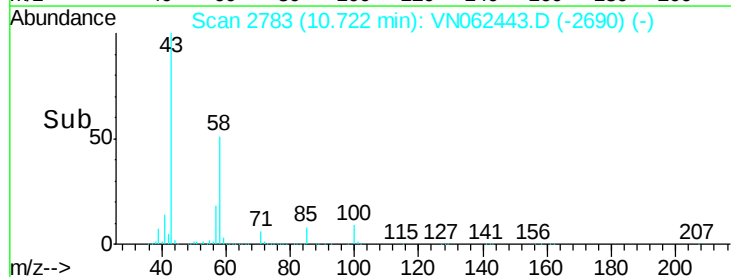
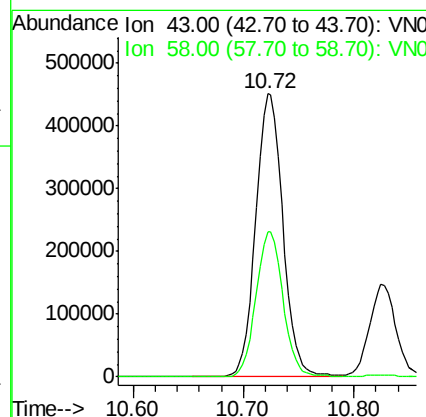
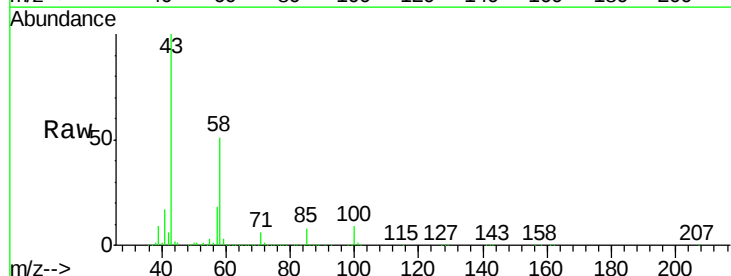
Manual Integrations  
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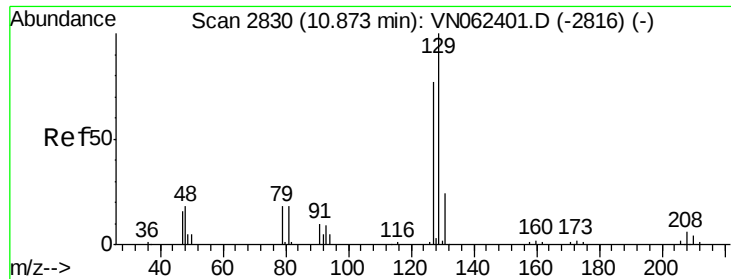
MMDadoda  
 7/9/2020 10:58:56 AM



#59  
 2-Hexanone  
 Concen: 259.668 ug/l  
 RT: 10.72 min Scan# 2783  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Tgt Ion: 43 Resp: 769369  
 Ion Ratio Lower Upper  
 43 100  
 58 51.2 25.1 75.2





#60

Dibromochloromethane

Concen: 51.354 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

ClientSampleId :

MW-14MS

Tot Ion:129 Resp: 137910

Ion Ratio Lower Upper

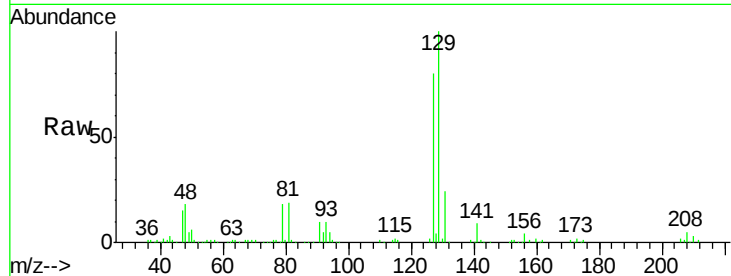
129 100

127 80.1 38.6 115.8

Manual Integrations  
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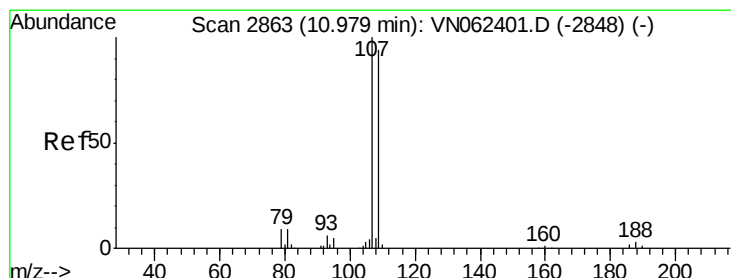
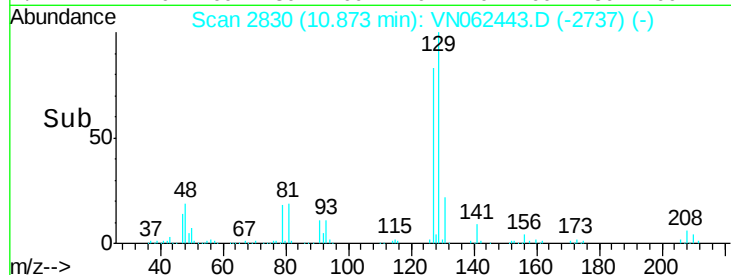
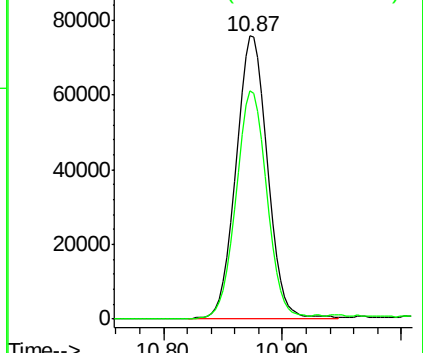
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.952 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062443.D

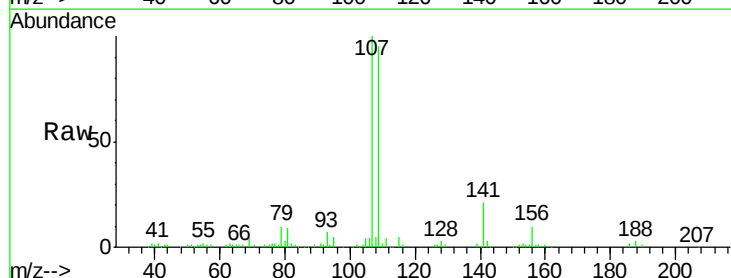
Acq: 9 Jul 2020 6:47

Tgt Ion:107 Resp: 132392

Ion Ratio Lower Upper

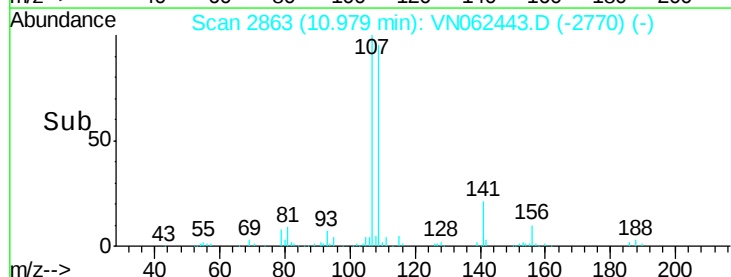
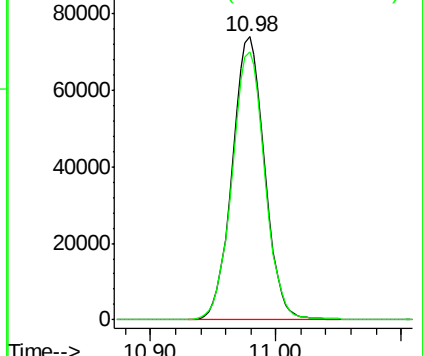
107 100

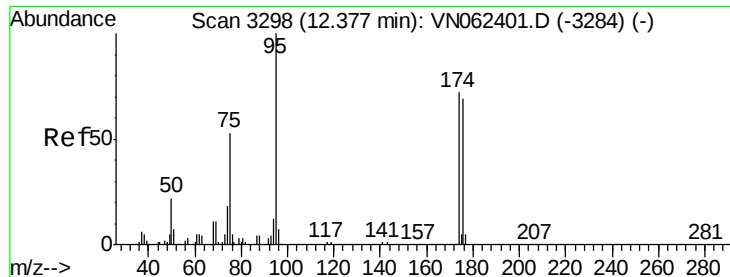
109 96.0 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





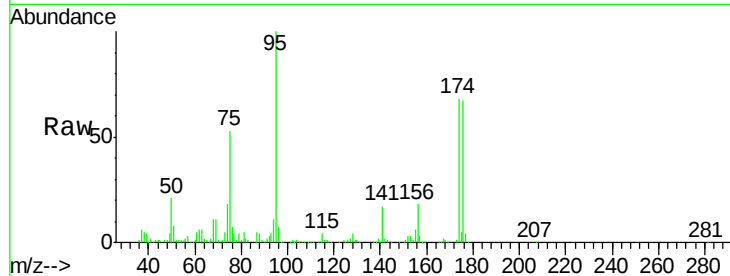
#62  
4-Bromofluorobenzene  
Concen: 49.838 ug/l  
RT: 12.38 min Scan# 3298  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-14MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 163180 |       |       |
| 174     | 69.2  | 0.0    | 141.6 |       |
| 176     | 67.1  | 0.0    | 137.2 |       |

Manual Integrations  
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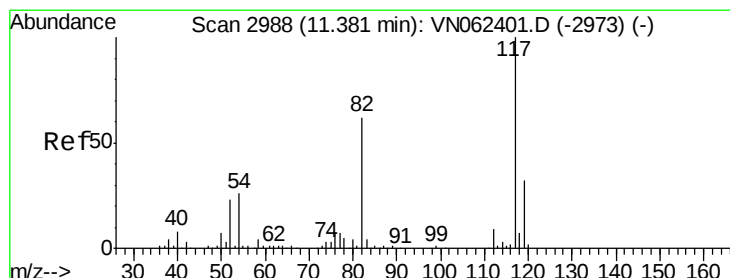
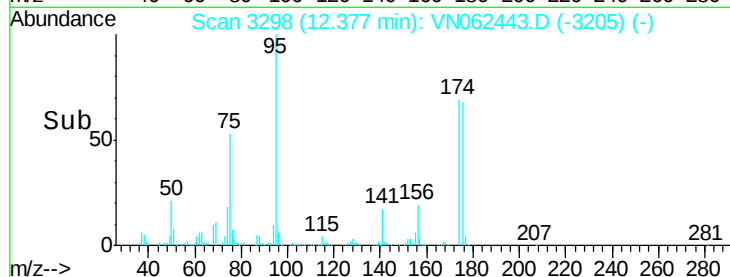
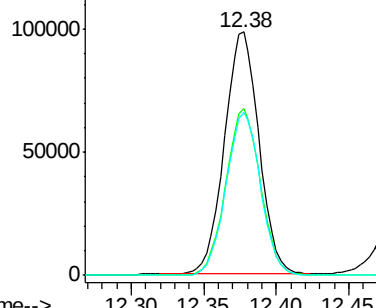
MMDadoda  
7/9/2020 10:58:56 AM



Abundance Ion 94.90 (94.60 to 95.60): VN062401.D (-3284) (-)

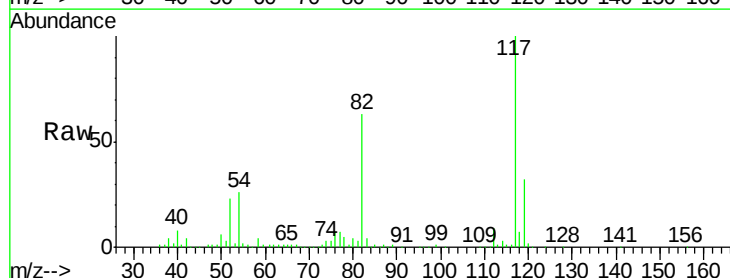
Ion 173.80 (173.50 to 174.50): VN062401.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062401.D (-3284) (-)



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

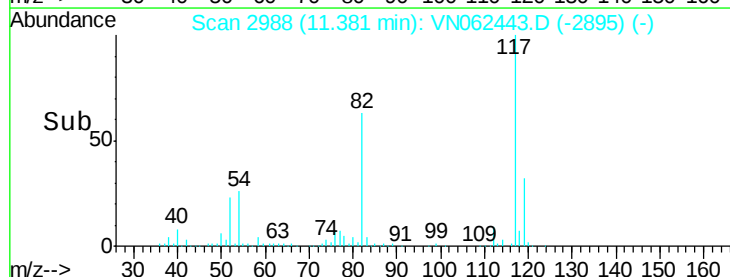
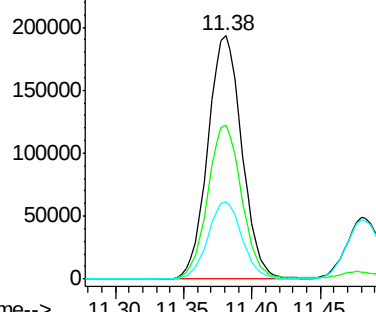
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 336010 |       |       |
| 82      | 63.2  | 49.6   | 74.4  |       |
| 119     | 31.8  | 25.4   | 38.0  |       |

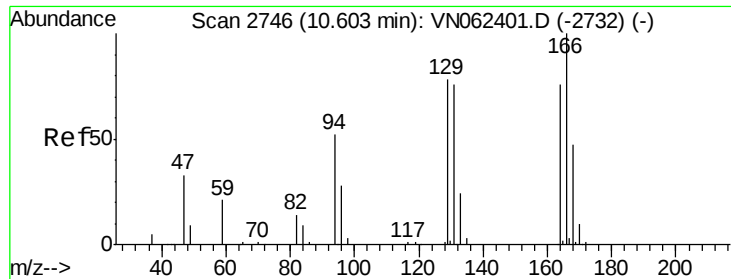


Abundance Ion 116.90 (116.60 to 117.60): VN062401.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN062401.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN062401.D (-2973) (-)





#64

Tetrachloroethene

Concen: 48.256 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

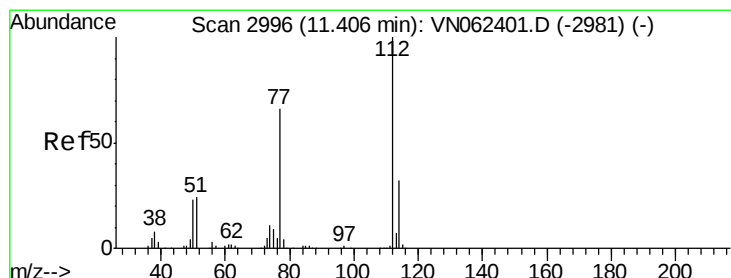
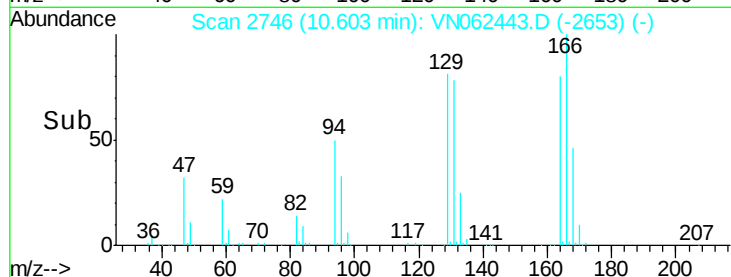
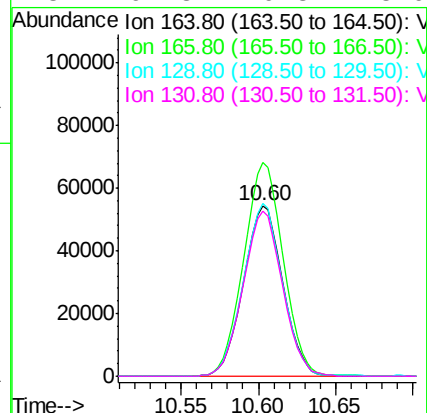
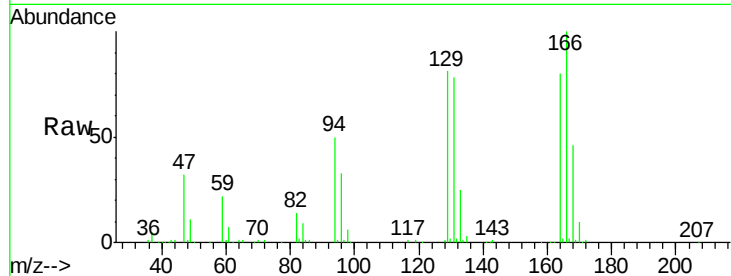
ClientSampled :

MW-14MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 96217 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 125.4 | 104.9 | 157.3 |
| 129      | 101.4 | 81.8  | 122.6 |
| 131      | 97.3  | 79.3  | 118.9 |

Manual Integrations  
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#65

Chlorobenzene

Concen: 52.056 ug/l

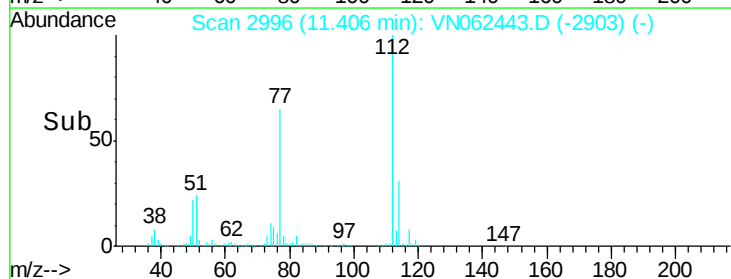
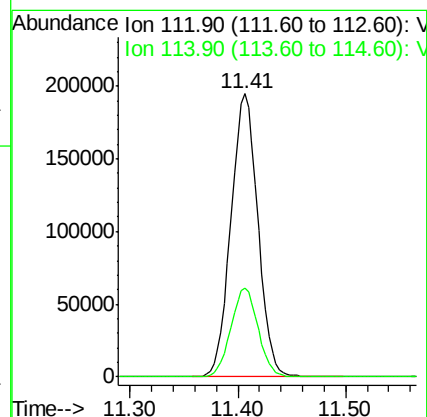
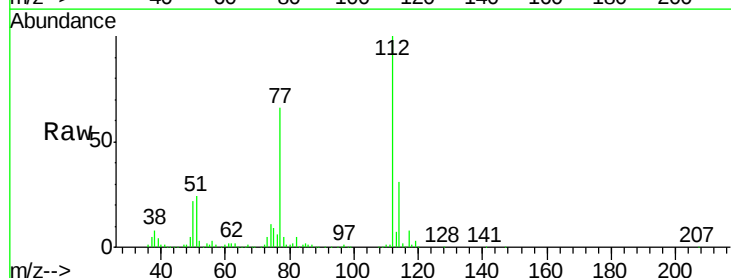
RT: 11.41 min Scan# 2996

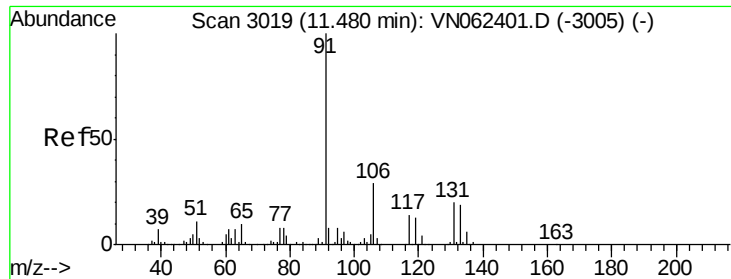
Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 339948 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.5  | 25.9  | 38.9   |





#66

1,1,1,2-Tetrachloroethane

Concen: 51.508 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

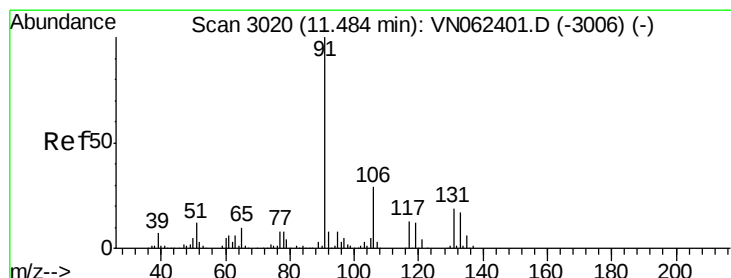
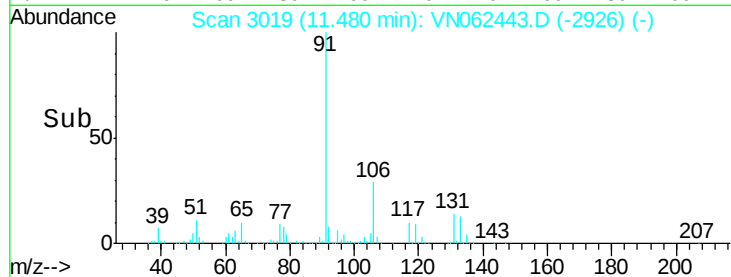
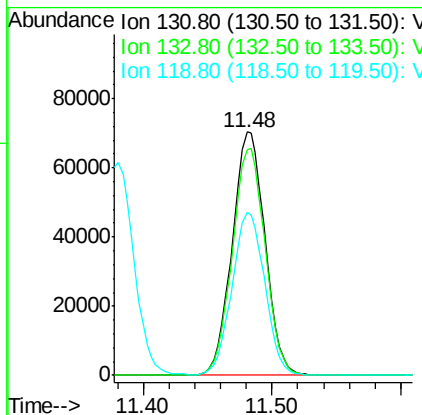
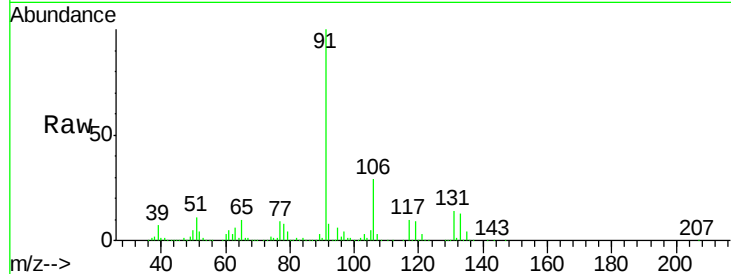
ClientSampleId :

MW-14MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 131   | Resp: | 124044 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 93.9  | 46.9  | 140.8  |
| 119       | 67.2  | 33.2  | 99.6   |

Manual Integrations  
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#67

Ethyl Benzene

Concen: 72.161 ug/l

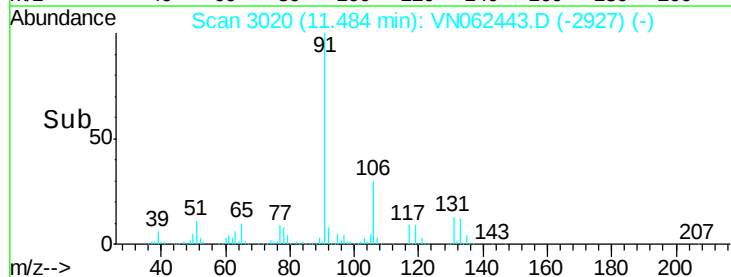
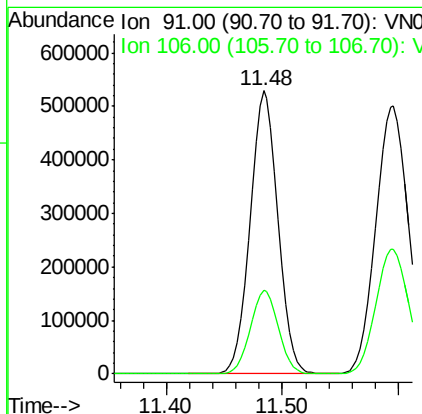
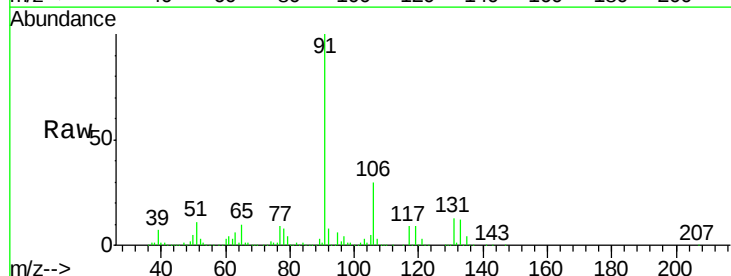
RT: 11.48 min Scan# 3020

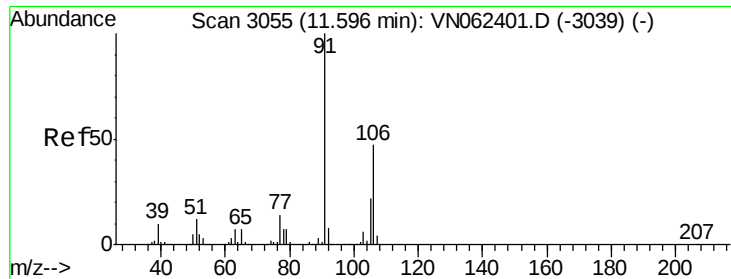
Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 884567 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 29.7  | 23.4  | 35.2   |





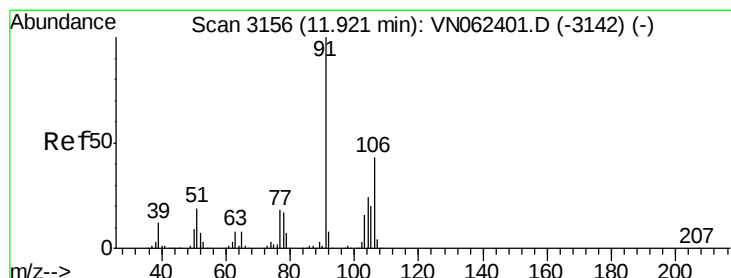
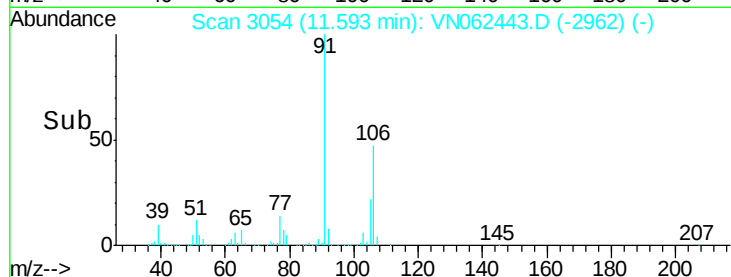
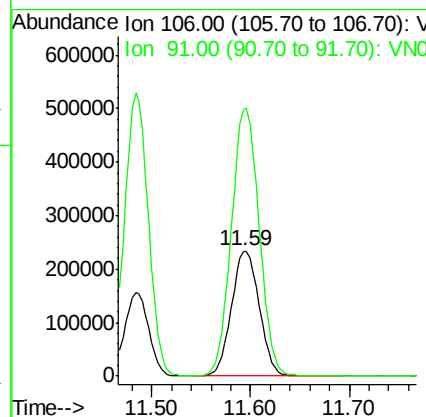
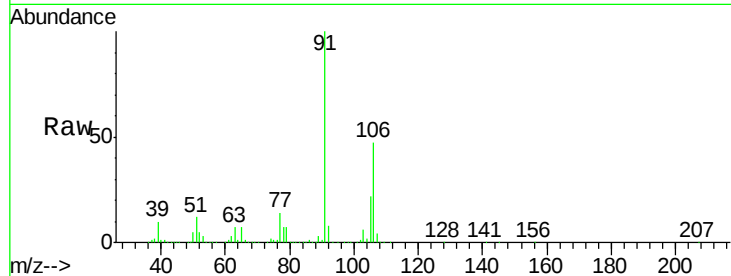
#68  
m/p-Xylenes  
Concen: 105.965 ug/l  
RT: 11.59 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-14MS

Tot Ion:106 Resp: 459836  
Ion Ratio Lower Upper  
106 100  
91 213.2 172.4 258.6

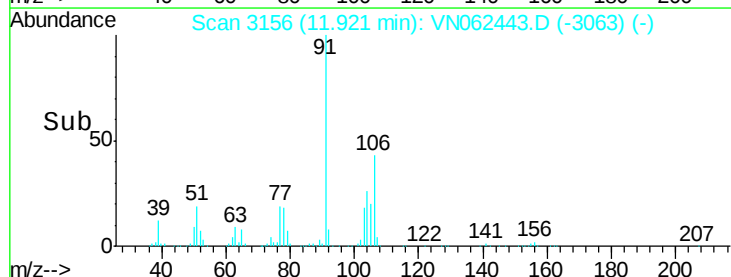
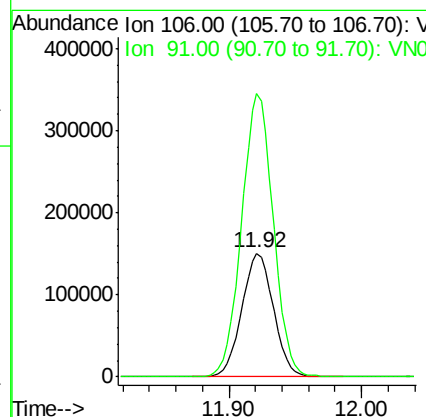
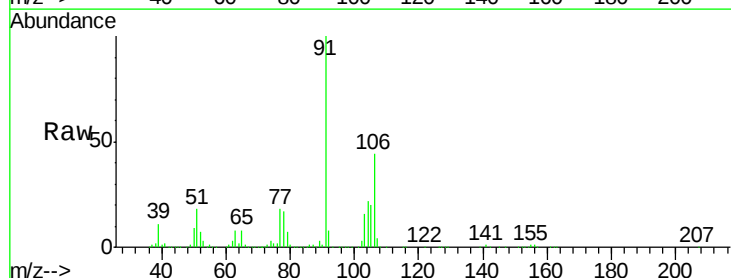
Manual Integrations  
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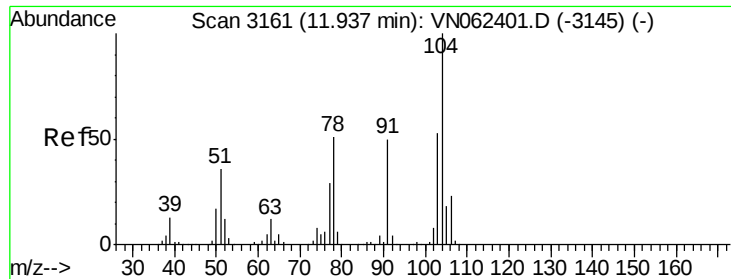
MMDadoda  
7/9/2020 10:58:56 AM



#69  
o-Xylene  
Concen: 59.133 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Tgt Ion:106 Resp: 249844  
Ion Ratio Lower Upper  
106 100  
91 228.1 113.8 341.4





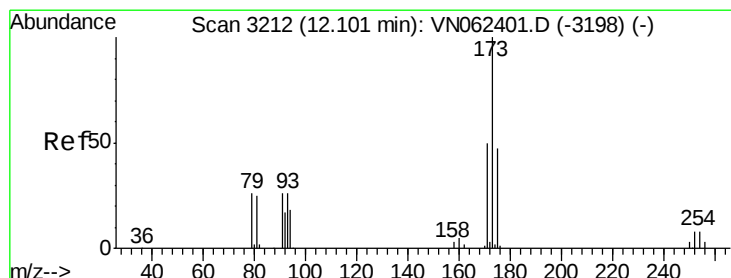
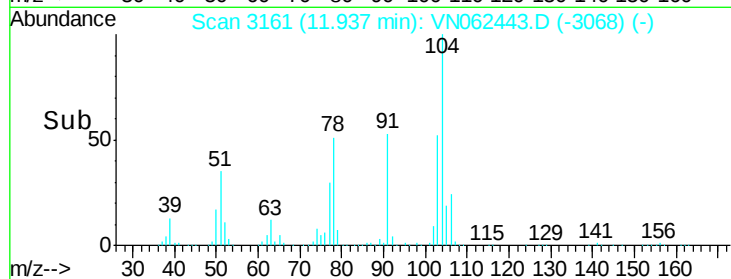
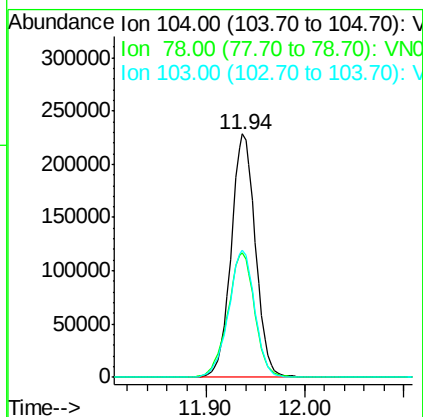
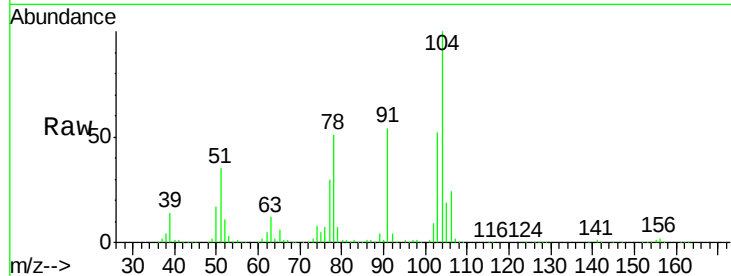
#70  
Stvrene  
Concen: 56.258 ug/l  
RT: 11.94 min Scan# 3161  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-14MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 55.8  | 44.2  | 66.4  |
| 103     | 55.8  | 44.4  | 66.6  |

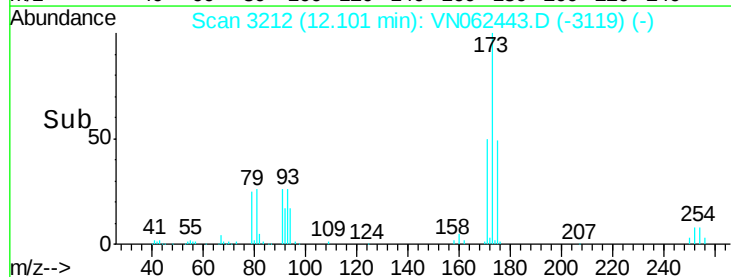
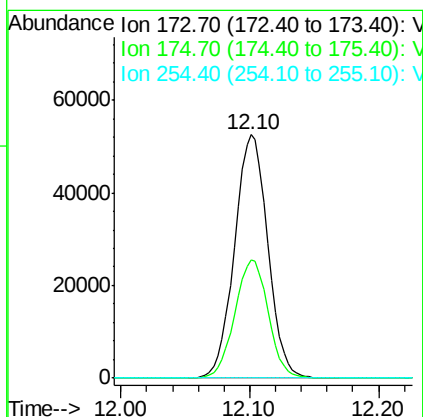
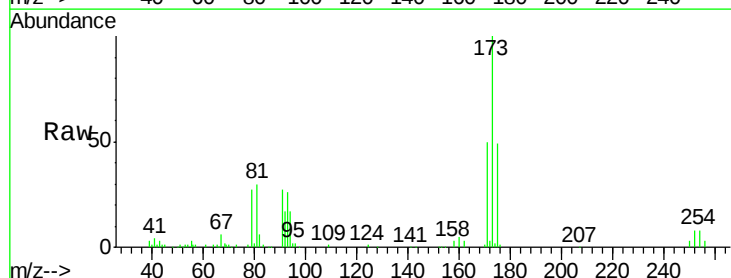
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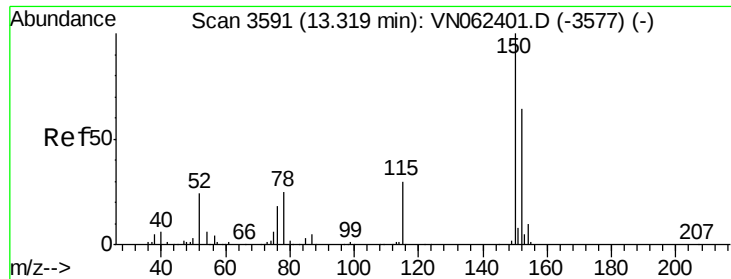
MMDadoda  
7/9/2020 10:58:56 AM



#71  
Bromoform  
Concen: 53.255 ug/l  
RT: 12.10 min Scan# 3212  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.7  | 23.7  | 71.1  |
| 254     | 0.0   | 0.0   | 0.0   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

ClientSampled :

MW-14MS

Tot Ion:152 Resp: 143601

Ion Ratio Lower Upper

152 100

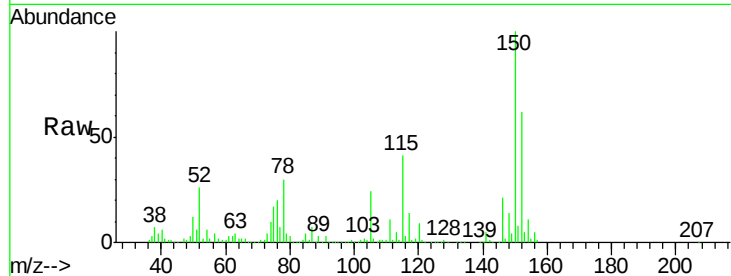
115 58.2 31.4 94.2

150 172.4 0.0 347.4

Manual Integrations  
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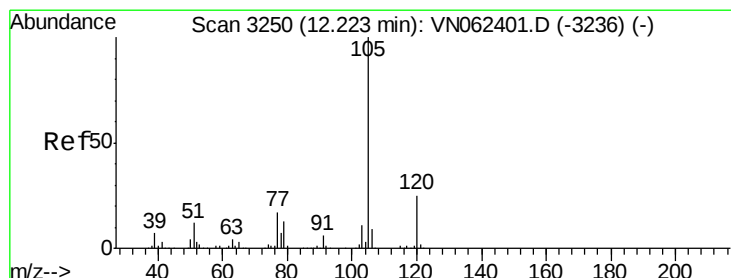
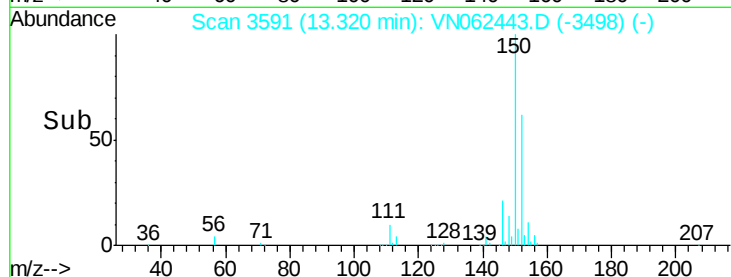
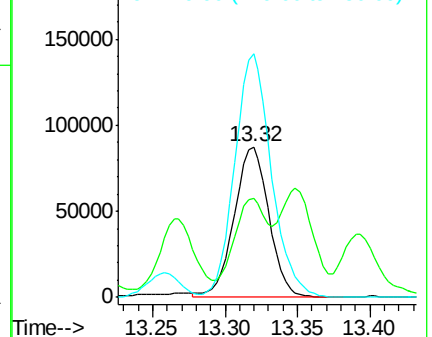
7/9/2020 10:58:56 AM



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: 158.515 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062443.D

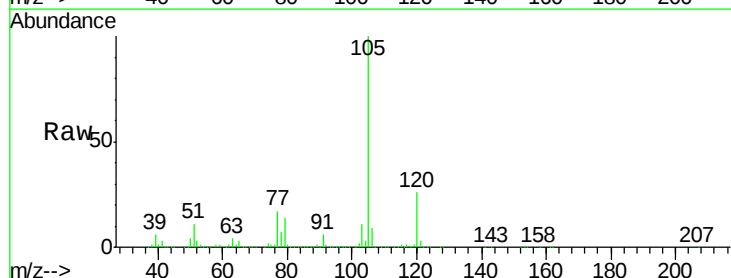
Acq: 9 Jul 2020 6:47

Tgt Ion:105 Resp: 1761444

Ion Ratio Lower Upper

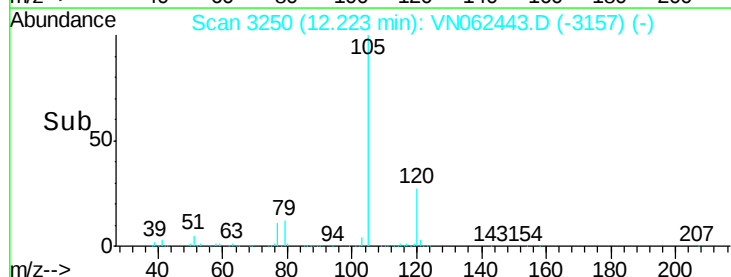
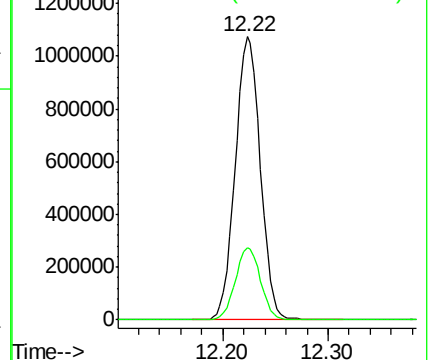
105 100

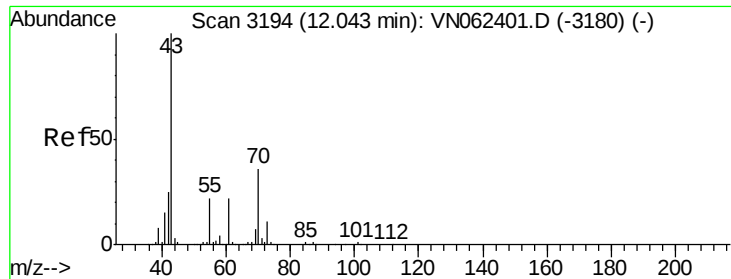
120 25.7 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 46.761 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

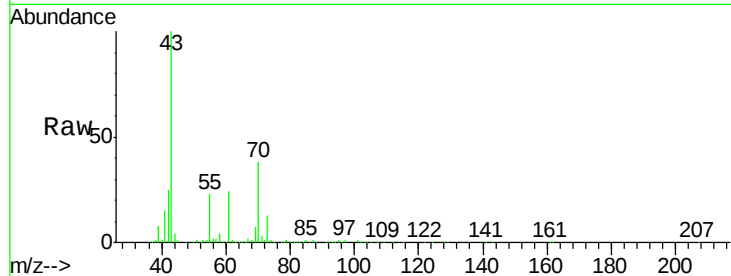
ClientSampleId :

MW-14MS

| Tot Ion   | 43    | Resp  | 252910 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 70        | 37.0  | 30.0  | 45.0   |
| 55        | 22.5  | 18.2  | 27.4   |
| 61        | 22.7  | 17.7  | 26.5   |

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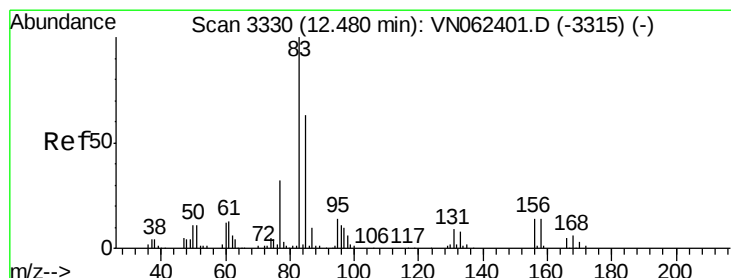
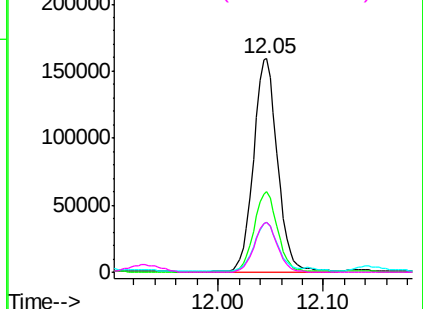
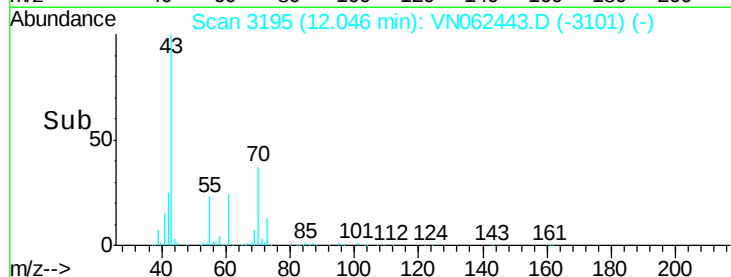


Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-3180) (-)

Ion 70.00 (69.70 to 70.70): VN062401.D (-3180) (-)

Ion 55.00 (54.70 to 55.70): VN062401.D (-3180) (-)

Ion 61.00 (60.70 to 61.70): VN062401.D (-3180) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 53.890 ug/l

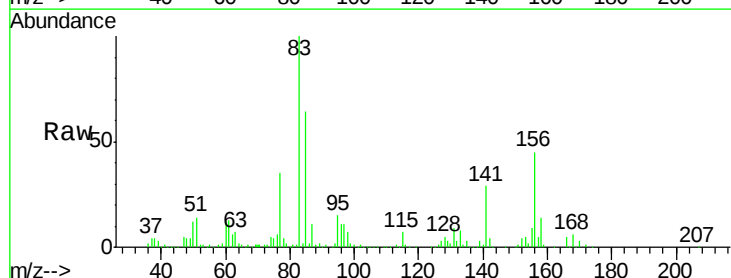
RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

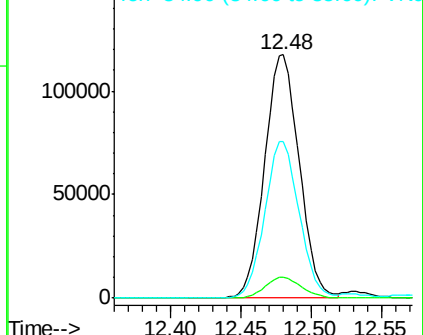
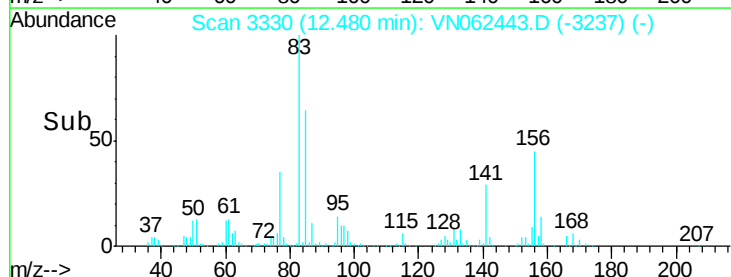
| Tgt Ion   | 83    | Resp  | 201349 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 8.9   | 4.5   | 13.5   |
| 85        | 63.0  | 31.9  | 95.9   |

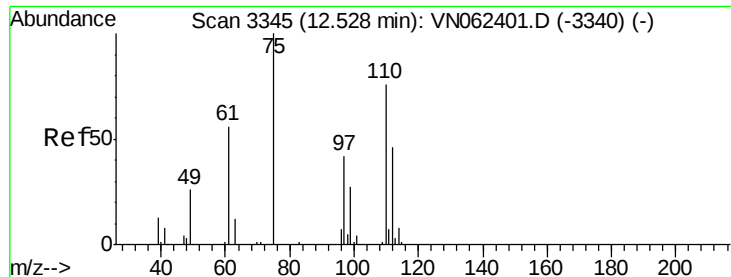


Abundance Ion 82.90 (82.60 to 83.60): VN062401.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN062401.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN062401.D (-3315) (-)





#76

1,2,3-Trichloropropane

Concen: 48.925 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

ClientSampleId :

MW-14MS

Tot Ion: 75 Resp: 172387

Ion Ratio Lower Upper

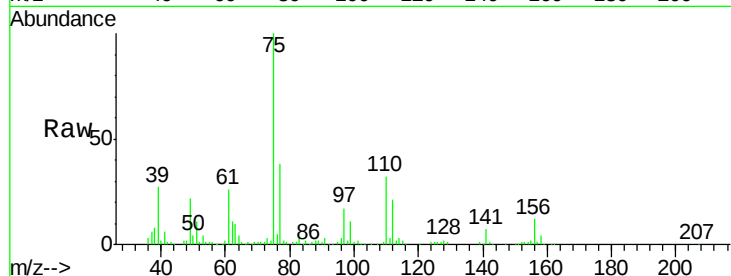
75 100

77 0.0 0.0 0.0

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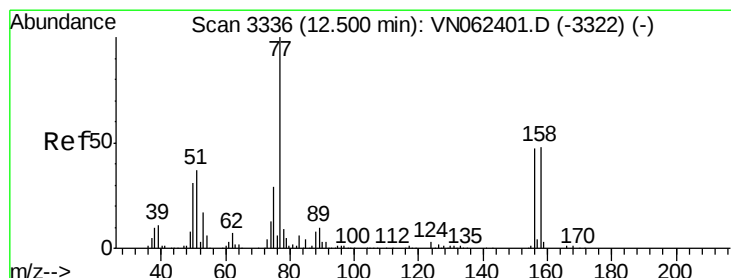
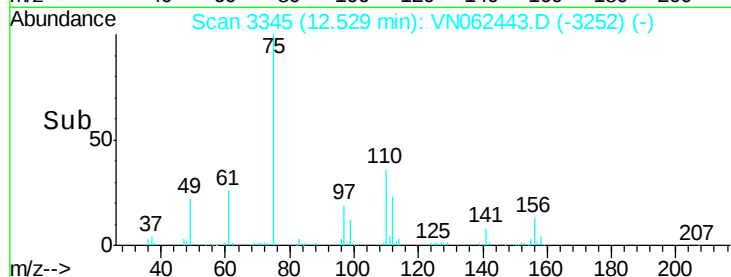
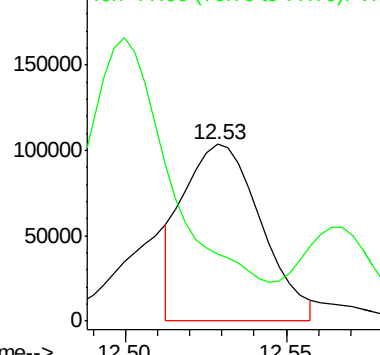
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 164.786 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

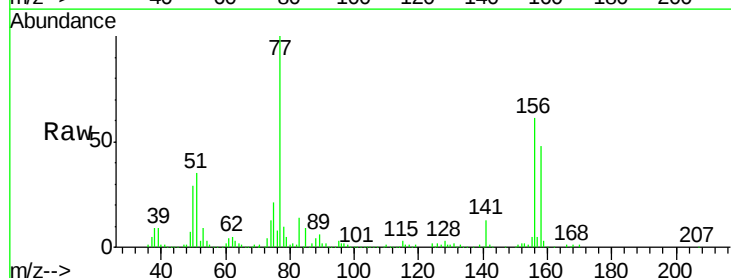
Tgt Ion: 156 Resp: 416290

Ion Ratio Lower Upper

156 100

77 76.1 126.4 379.3#

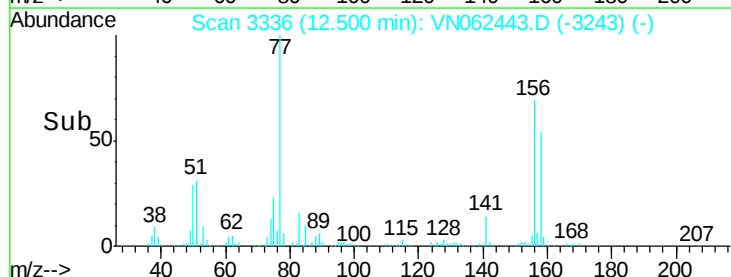
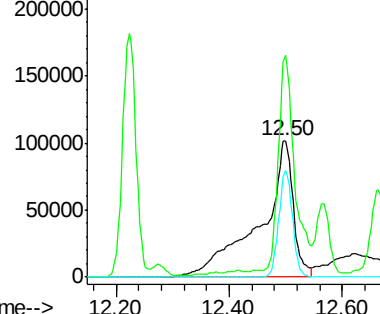
158 31.6 49.8 149.4#

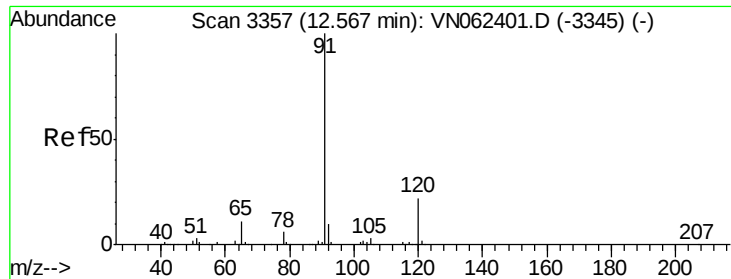


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 160.498 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

ClientSampled :

MW-14MS

Tot Ion: 91 Resp: 2083293

Ion Ratio Lower Upper

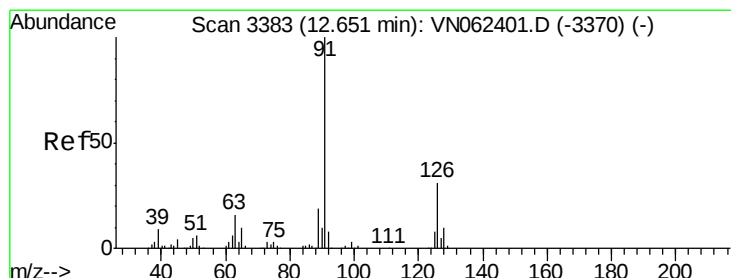
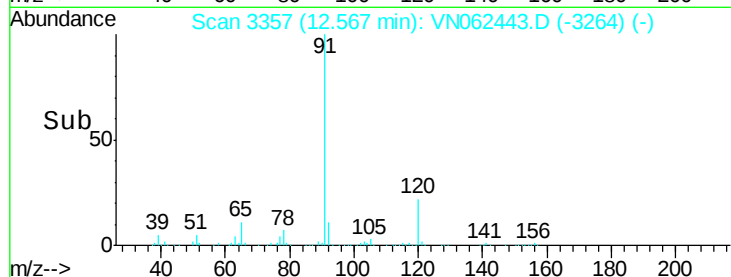
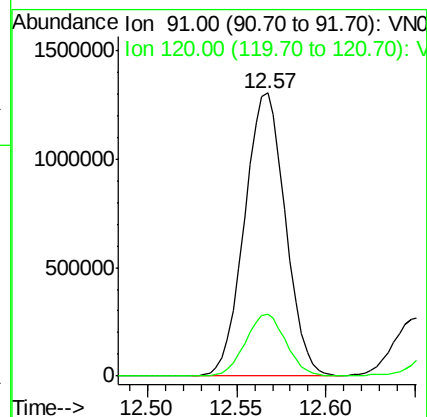
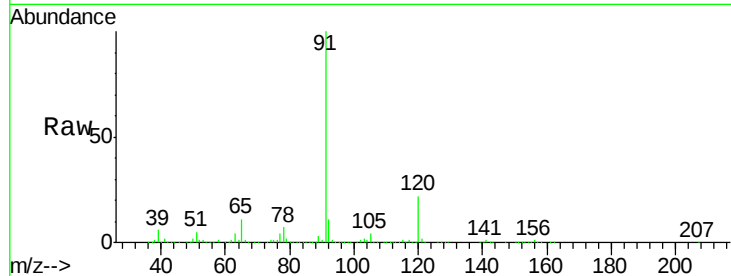
91 100

120 21.7 10.7 32.1

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#79

2-Chlorotoluene

Concen: 63.049 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062443.D

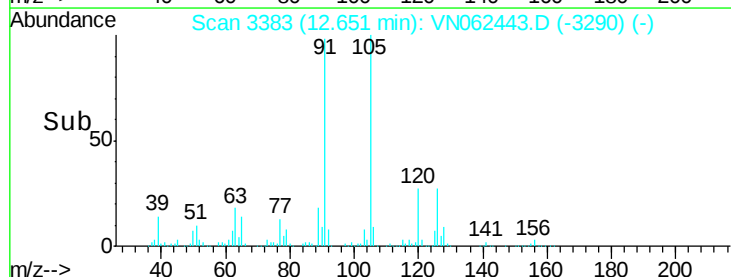
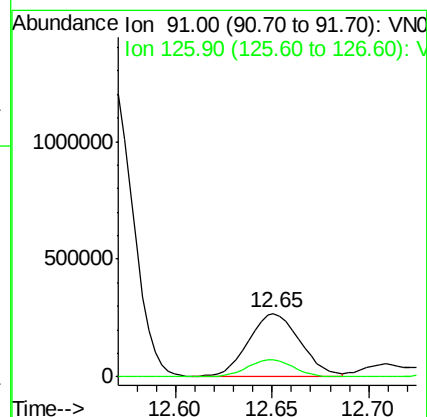
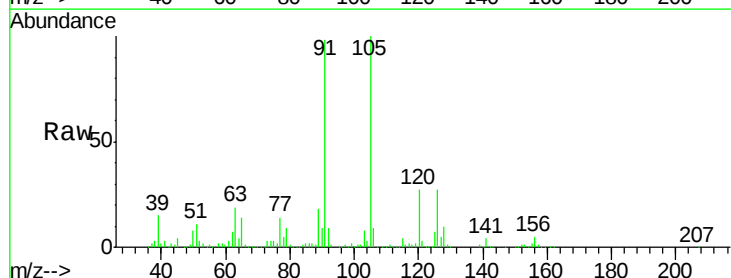
Acq: 9 Jul 2020 6:47

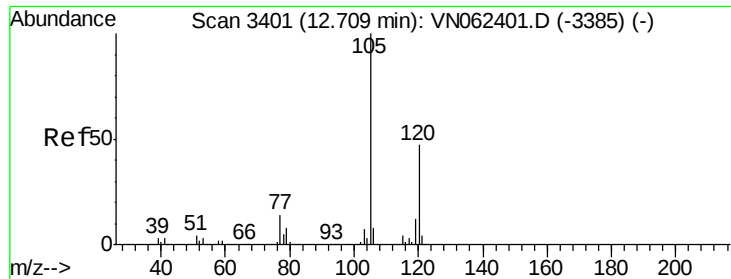
Tgt Ion: 91 Resp: 496698

Ion Ratio Lower Upper

91 100

126 25.3 15.6 46.7





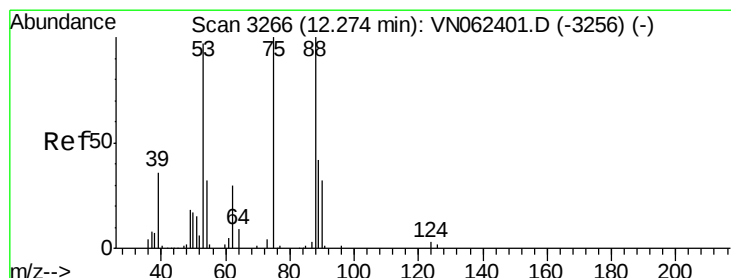
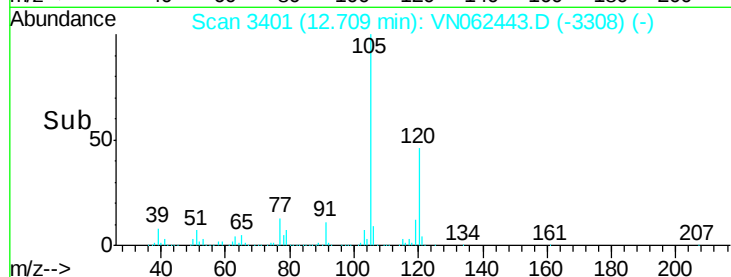
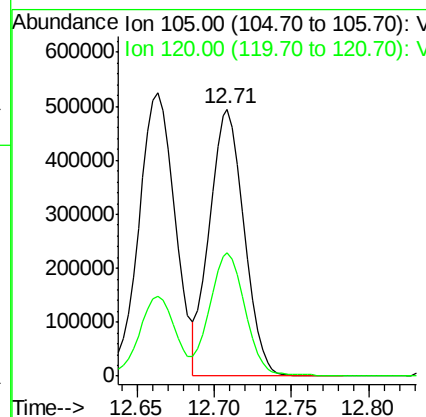
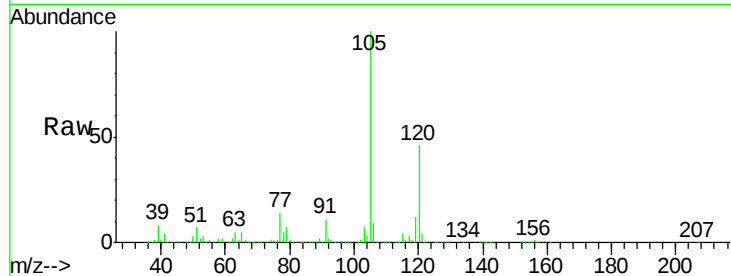
#80  
 1,3,5-Trimethylbenzene  
 Concen: 84.623 ug/l  
 RT: 12.71 min Scan# 3401  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14MS

Tot Ion:105 Resp: 770871  
 Ion Ratio Lower Upper  
 105 100  
 120 48.4 23.4 70.2

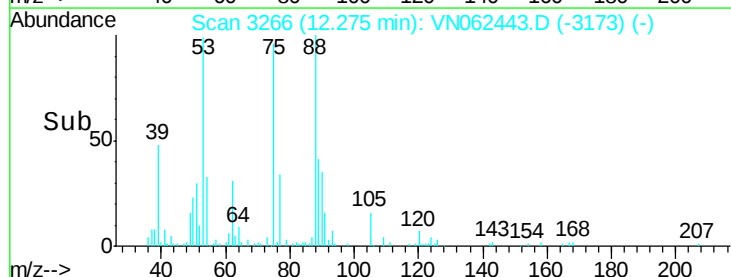
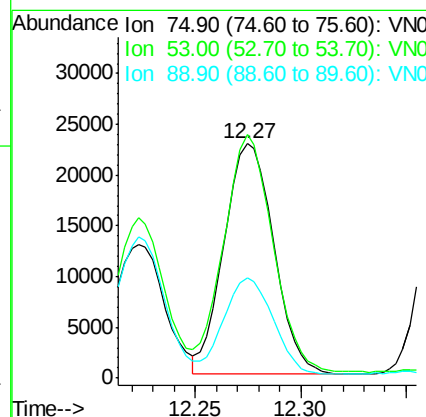
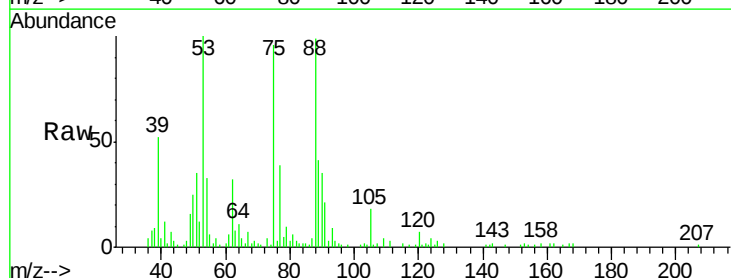
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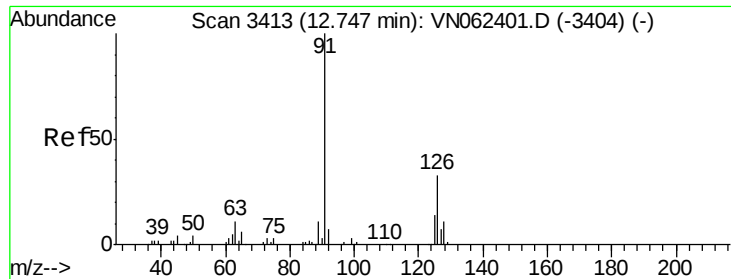
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#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 28.206 ug/l  
 RT: 12.27 min Scan# 3266  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Tgt Ion: 75 Resp: 37131  
 Ion Ratio Lower Upper  
 75 100  
 53 102.2 79.2 118.8  
 89 41.9 34.6 52.0





#82

4-Chlorotoluene

Concen: 52.779 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

ClientSampled :

MW-14MS

Tot Ion: 91 Resp: 422121

Ion Ratio Lower Upper

91 100

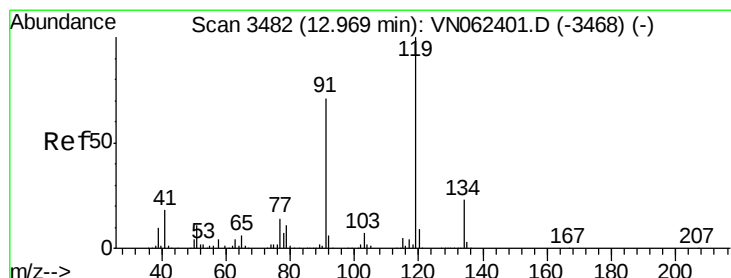
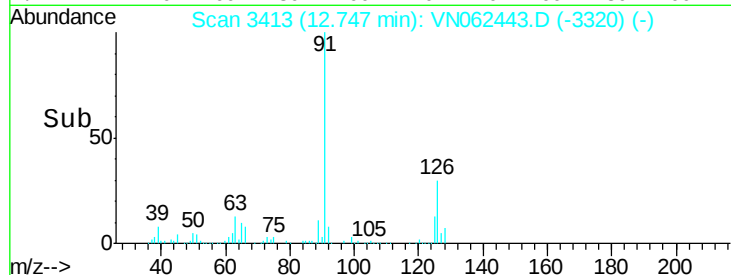
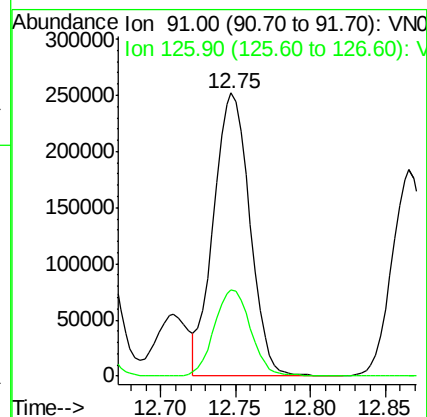
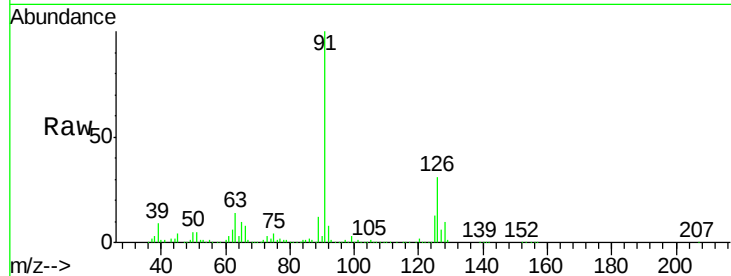
126 31.2 15.2 45.6

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#83

tert-Butylbenzene

Concen: 43.803 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

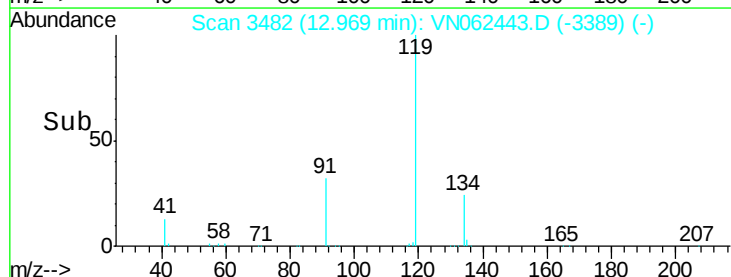
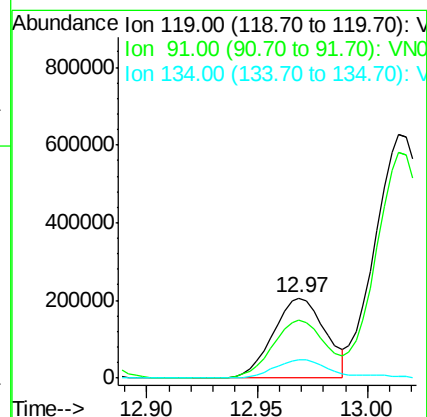
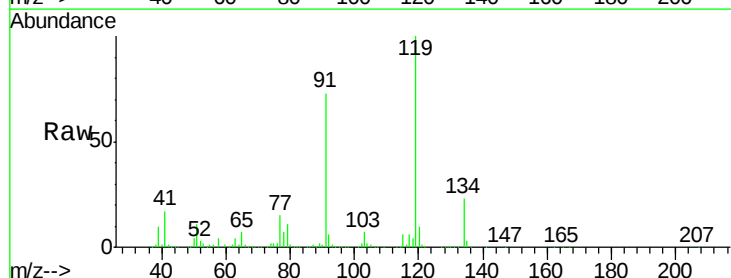
Tgt Ion: 119 Resp: 338620

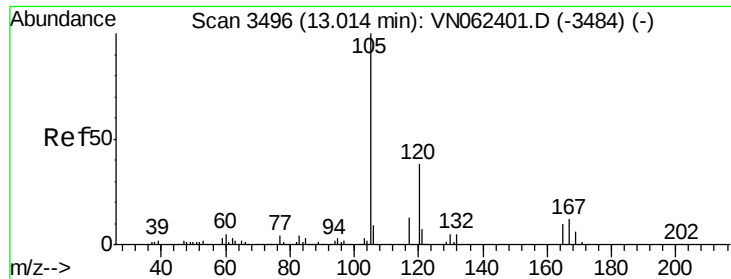
Ion Ratio Lower Upper

119 100

91 73.1 34.8 104.3

134 23.4 11.7 35.0





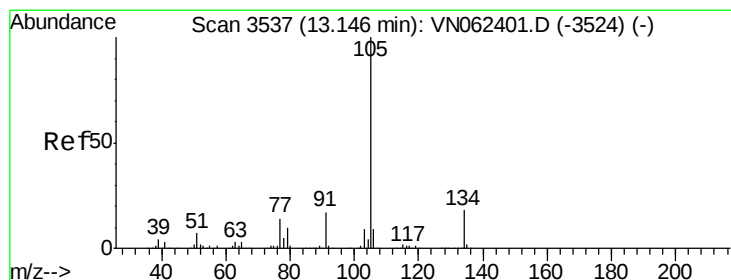
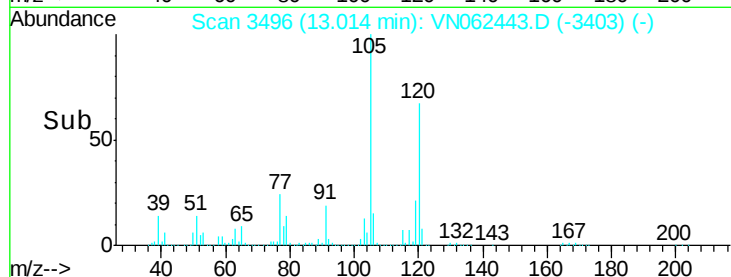
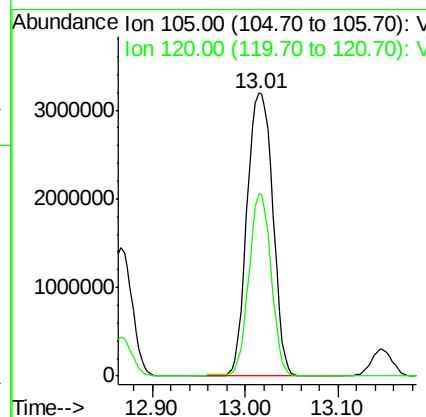
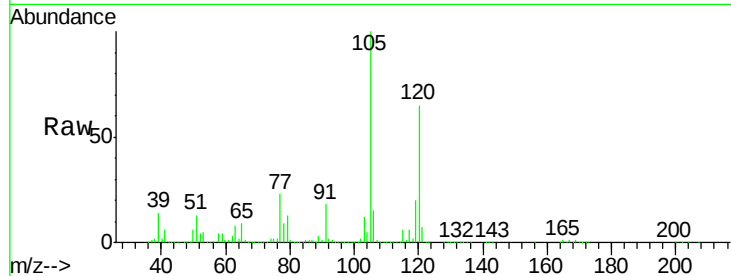
#84  
 1,2,4-Trimethylbenzene  
 Concen: 678.849 ug/l  
 RT: 13.01 min Scan# 3496  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14MS

Tot Ion:105 Resp: 6146750  
 Ion Ratio Lower Upper  
 105 100  
 120 55.9 21.6 64.8

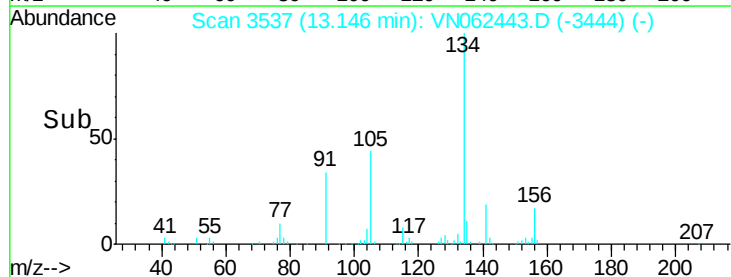
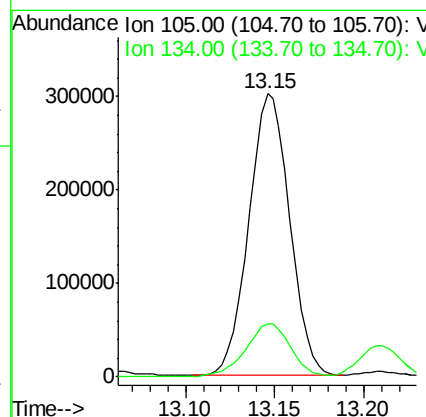
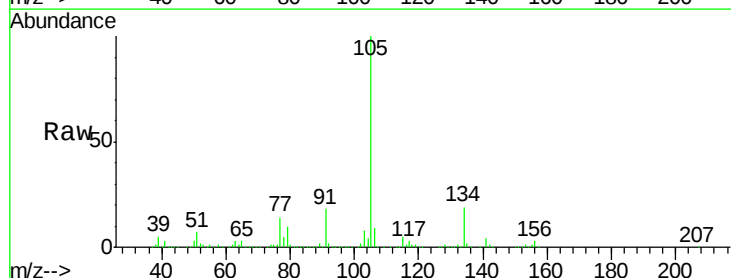
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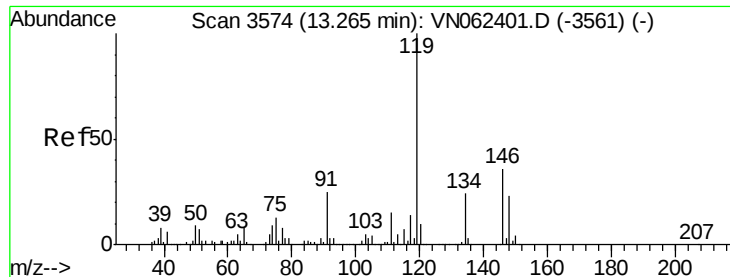
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#85  
 sec-Butylbenzene  
 Concen: 47.163 ug/l  
 RT: 13.15 min Scan# 3537  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Tgt Ion:105 Resp: 483127  
 Ion Ratio Lower Upper  
 105 100  
 134 20.9 9.3 28.0





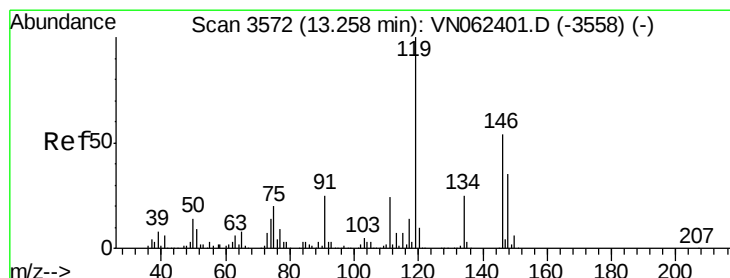
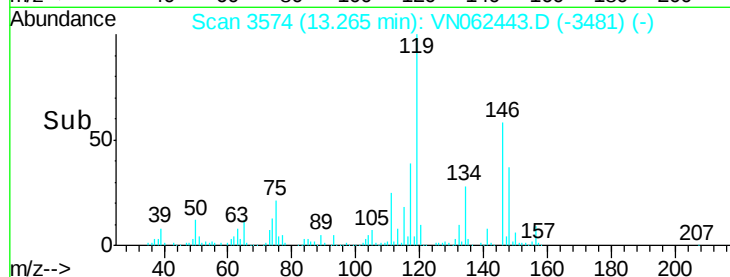
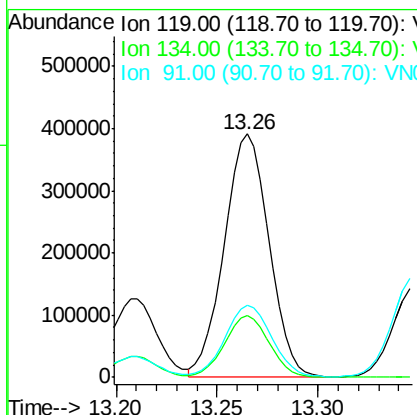
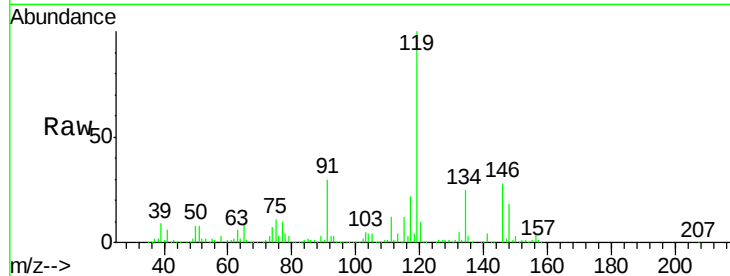
#86  
 p-Isopropyltoluene  
 Concen: 68.298 ug/l  
 RT: 13.26 min Scan# 3574  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-14MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 603841 |       |       |
| 134     | 25.5  | 12.4   | 37.0  |       |
| 91      | 30.5  | 12.4   | 37.4  |       |

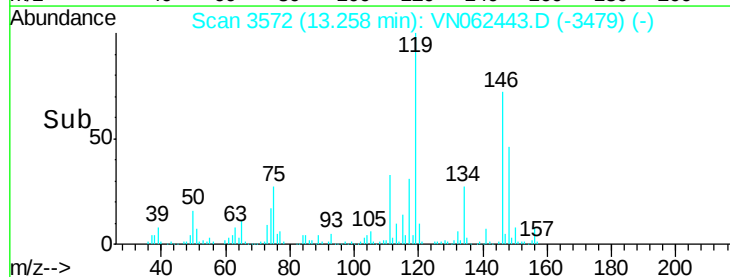
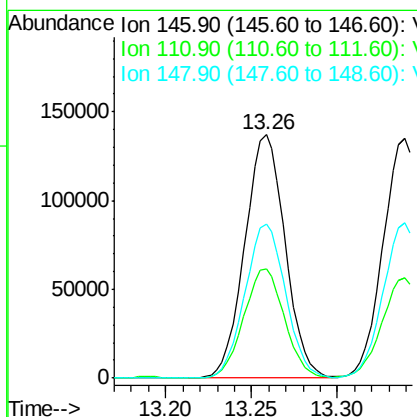
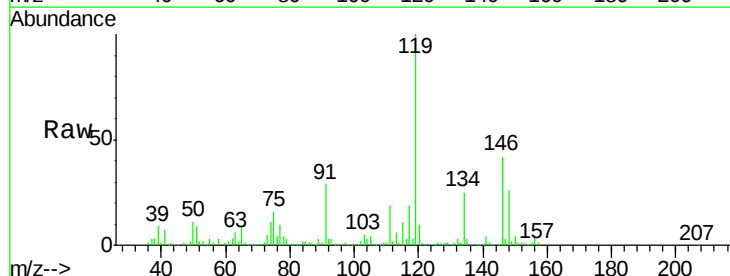
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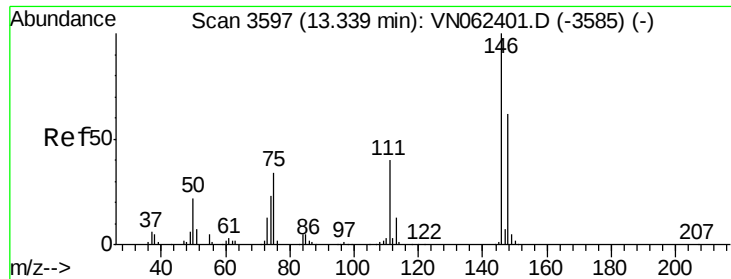
MMDadoda  
 7/9/2020 10:58:56 AM



#87  
 1,3-Dichlorobenzene  
 Concen: 51.240 ug/l  
 RT: 13.26 min Scan# 3572  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 223312 |       |       |
| 111     | 44.8  | 21.6   | 64.6  |       |
| 148     | 63.8  | 32.2   | 96.6  |       |





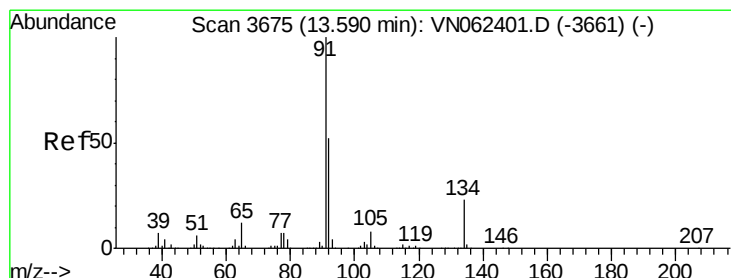
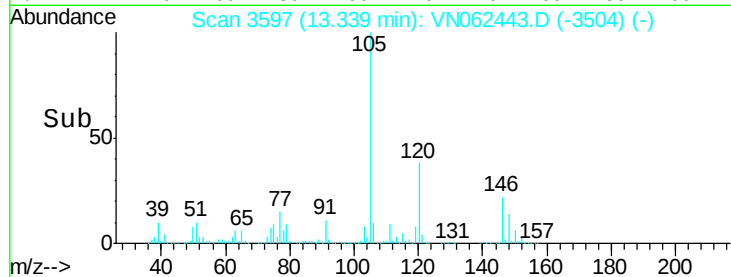
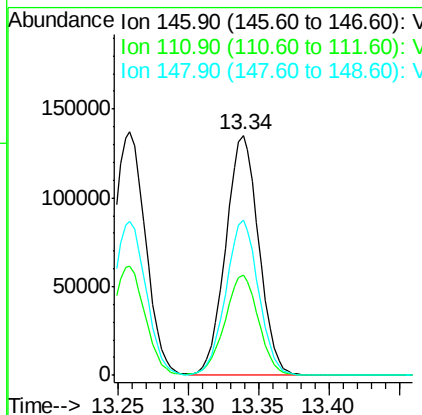
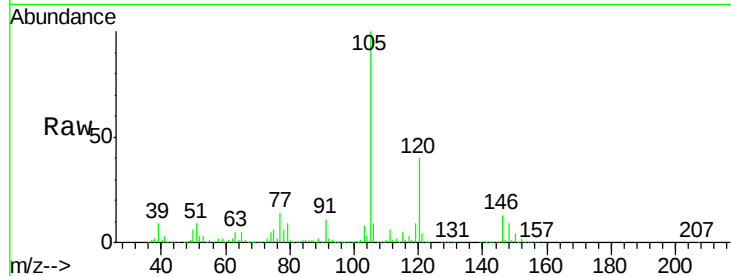
#88  
 1,4-Dichlorobenzene  
 Concen: 49.204 ug/l  
 RT: 13.34 min Scan# 3597  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-14MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.6  | 21.1  | 63.1  |
| 148     | 64.6  | 31.4  | 94.2  |

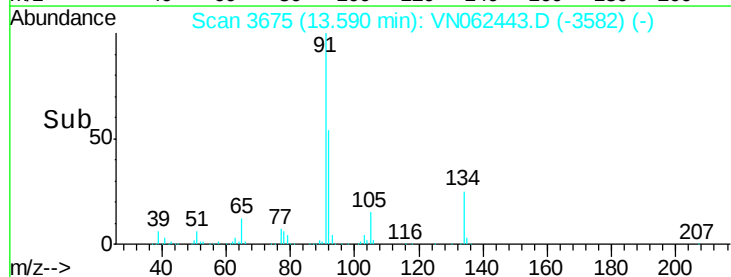
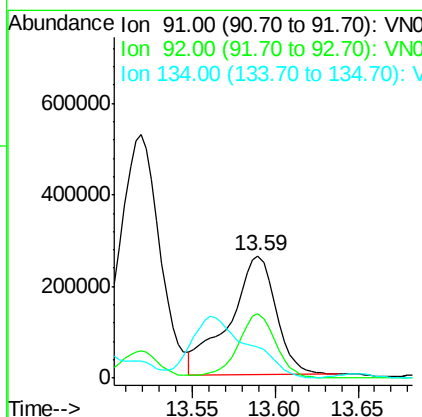
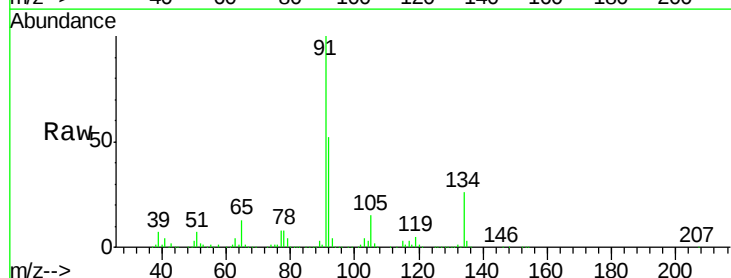
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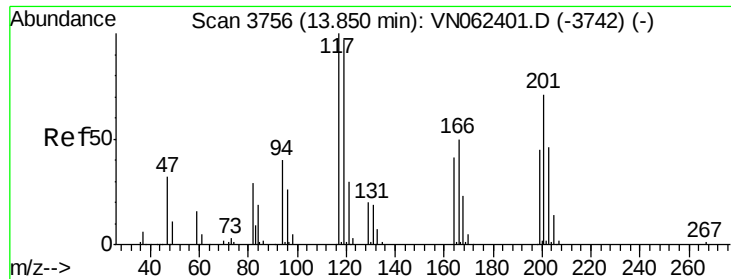
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#89  
 n-Butylbenzene  
 Concen: 64.926 ug/l  
 RT: 13.59 min Scan# 3675  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 44.6  | 25.9  | 77.7  |
| 134     | 0.0   | 11.6  | 34.8# |





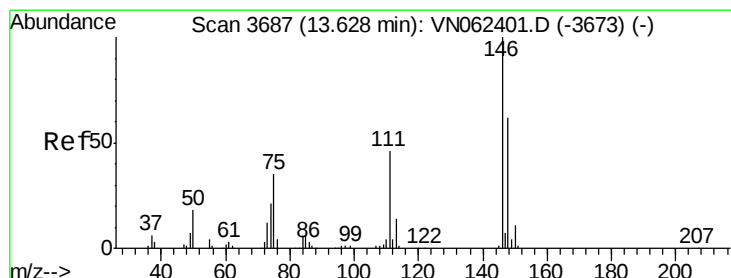
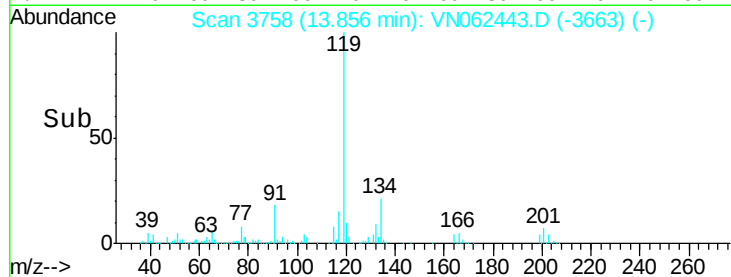
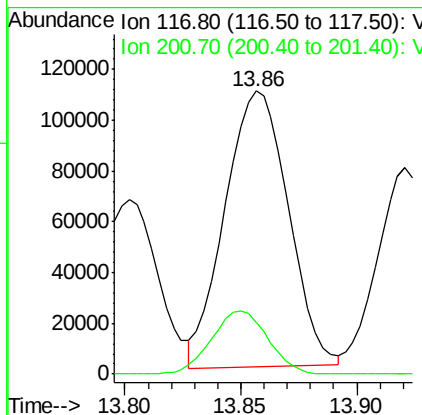
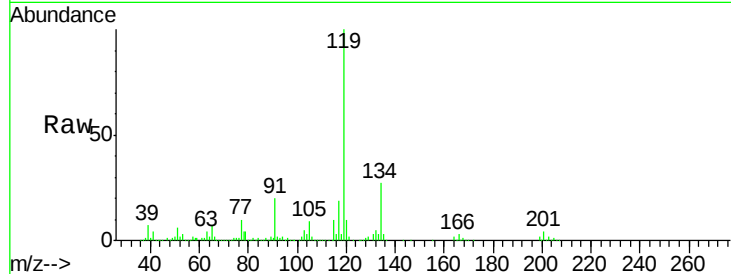
#90  
Hexachloroethane  
Concen: 118.455 ug/l  
RT: 13.86 min Scan# 3758  
Delta R.T. 0.01 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14MS

Tot Ion:117 Resp: 206017  
Ion Ratio Lower Upper  
117 100  
201 20.5 35.4 106.2#

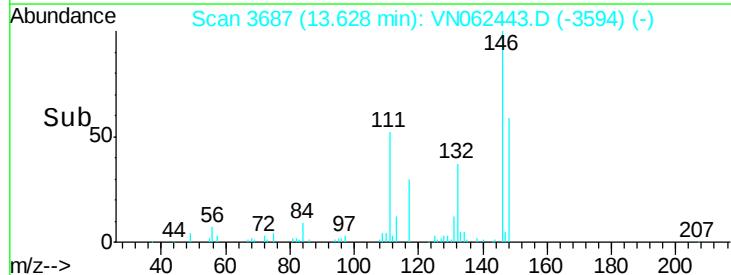
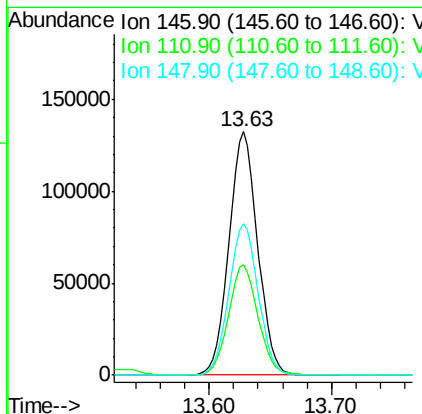
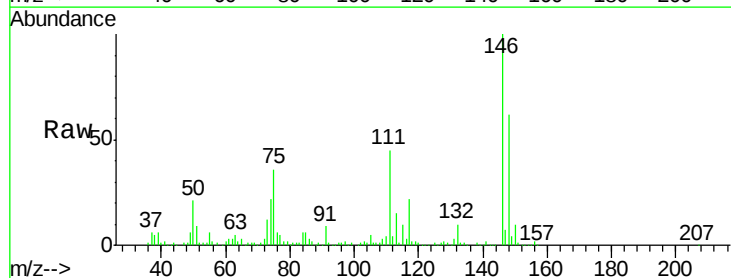
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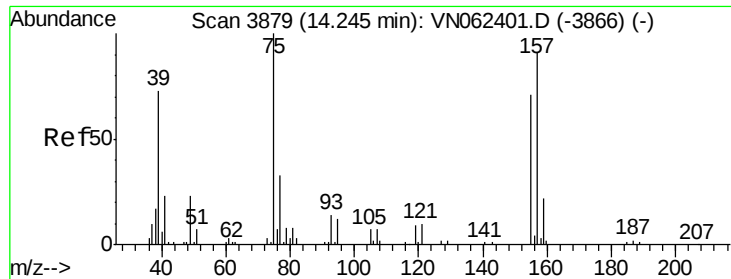
MMDadoda  
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#91  
1,2-Dichlorobenzene  
Concen: 51.557 ug/l  
RT: 13.63 min Scan# 3687  
Delta R.T. 0.00 min  
Lab File: VN062443.D  
Acq: 9 Jul 2020 6:47

Tgt Ion:146 Resp: 217247  
Ion Ratio Lower Upper  
146 100  
111 46.8 22.5 67.5  
148 63.4 31.4 94.2





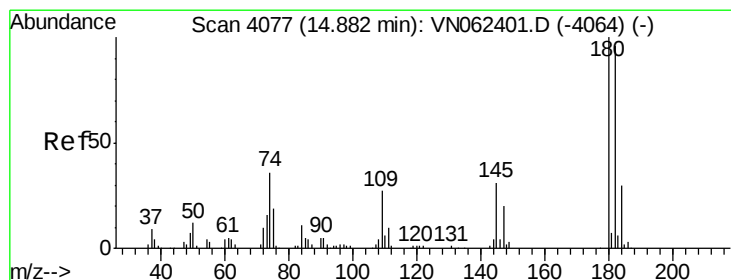
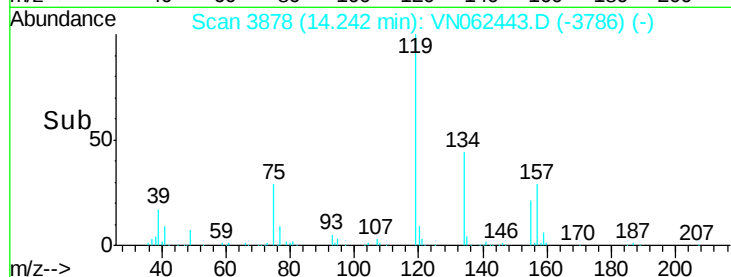
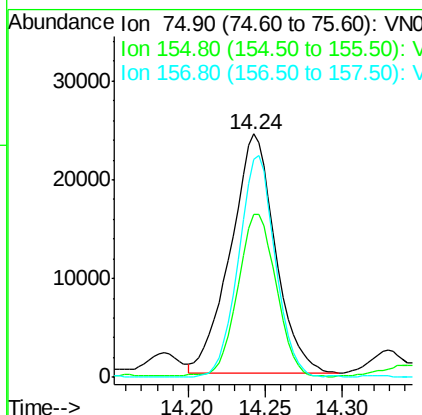
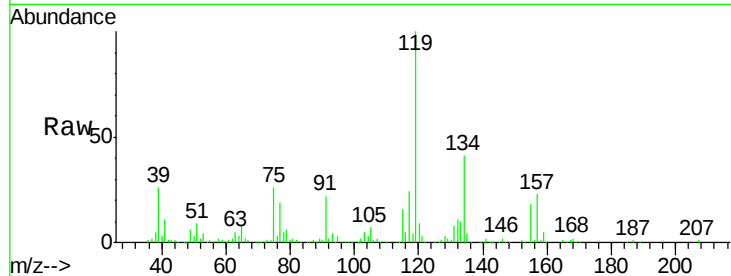
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 71.679 ug/l  
 RT: 14.24 min Scan# 3878  
 Delta R.T. -0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14MS

Tot Ion: 75 Resp: 48874  
 Ion Ratio Lower Upper  
 75 100  
 155 59.2 35.2 105.6  
 157 75.7 45.8 137.3

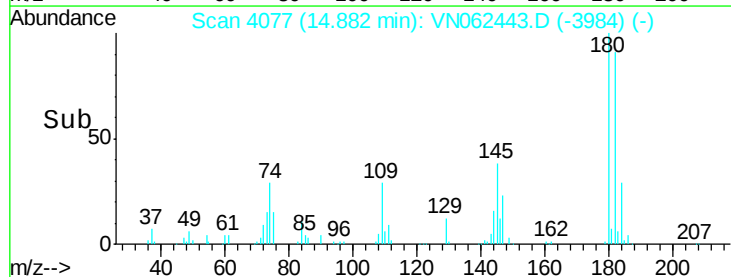
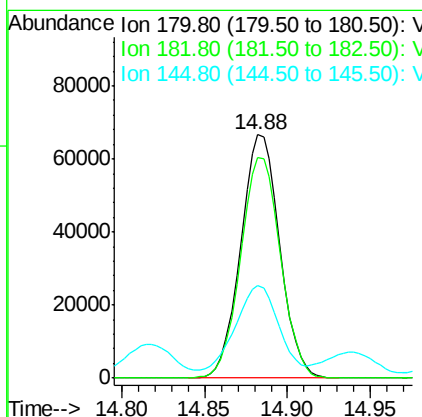
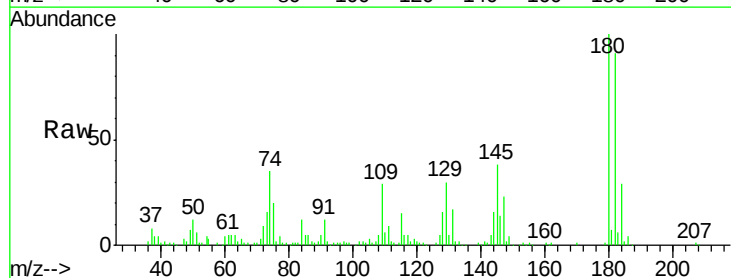
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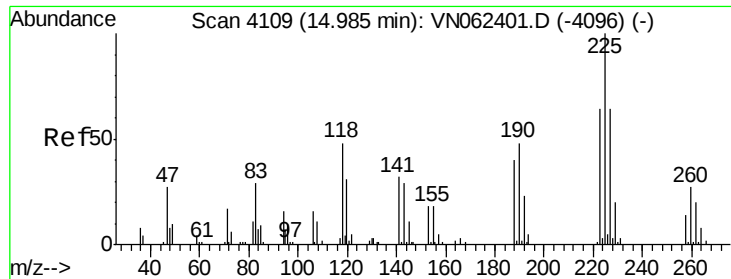
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#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.804 ug/l  
 RT: 14.88 min Scan# 4077  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Tgt Ion: 180 Resp: 108688  
 Ion Ratio Lower Upper  
 180 100  
 182 93.0 48.4 145.2  
 145 41.4 15.5 46.5





#94

Hexachlorobutadiene

Concen: 23.250 ug/l

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

Instrument :

MSVOA\_N

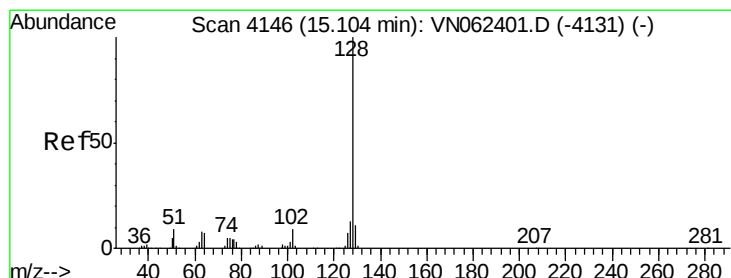
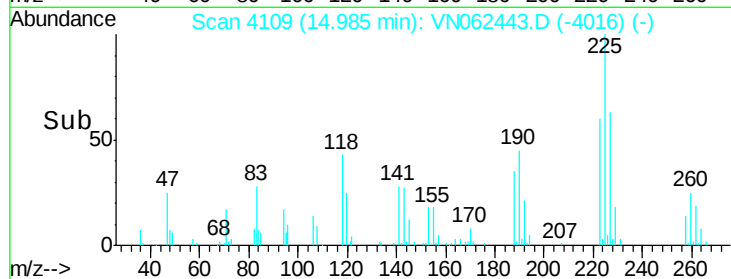
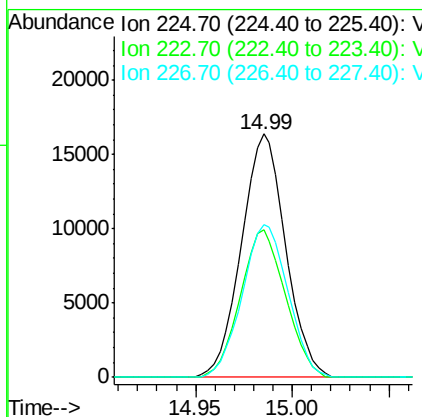
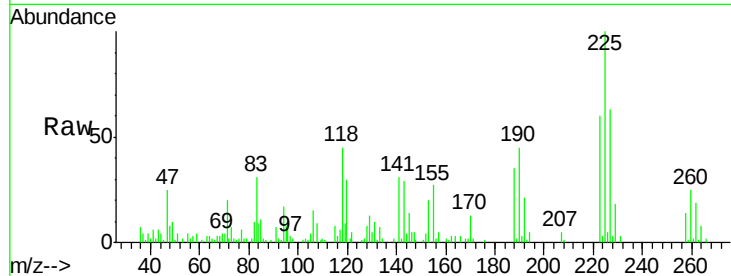
ClientSampled :

MW-14MS

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 225  | Resp: | 26012 |
| Ion Ratio |      | Lower | Upper |
| 225       | 100  |       |       |
| 223       | 61.6 | 32.3  | 96.8  |
| 227       | 64.8 | 31.9  | 95.7  |

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#95

Naphthalene

Concen: 719.070 ug/l

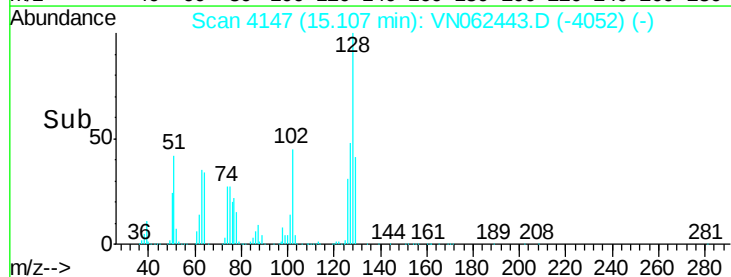
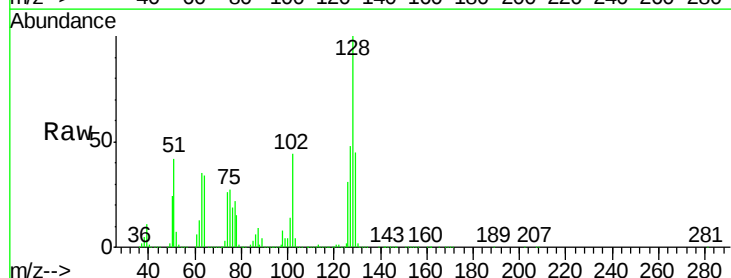
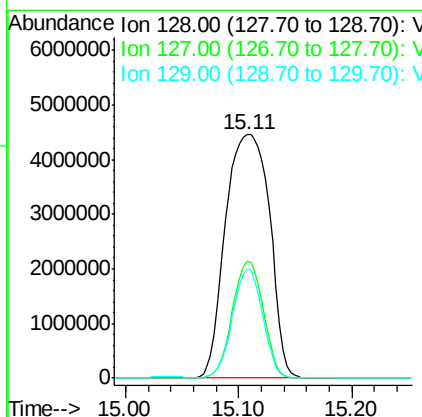
RT: 15.11 min Scan# 4147

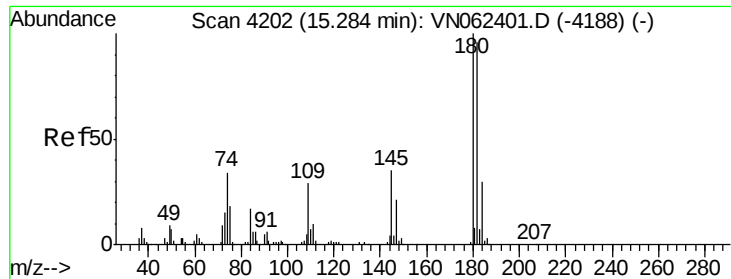
Delta R.T. 0.00 min

Lab File: VN062443.D

Acq: 9 Jul 2020 6:47

|           |      |       |          |
|-----------|------|-------|----------|
| Tgt Ion:  | 128  | Resp: | 12082576 |
| Ion Ratio |      | Lower | Upper    |
| 128       | 100  |       |          |
| 127       | 33.8 | 10.2  | 15.2#    |
| 129       | 30.7 | 8.6   | 12.8#    |





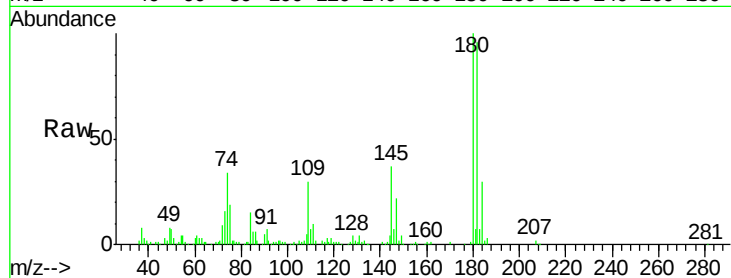
#96  
 1,2,3-Trichlorobenzene  
 Concen: 47.713 ug/l  
 RT: 15.28 min Scan# 4202  
 Delta R.T. 0.00 min  
 Lab File: VN062443.D  
 Acq: 9 Jul 2020 6:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14MS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 96.0  | 47.8       | 143.4      |
| 145     | 40.7  | 17.0       | 50.9       |

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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

