

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\  
 Data File : VN060104.D  
 Acq On : 14 Feb 2020 12:40  
 Operator : JC/MD  
 Sample : VN0214MBSD01  
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0214MBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 2/18/2020 9:30:29 AM

Quant Time: Feb 15 03:00:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 183942   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 292055   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 274125   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 129232   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 120096   | 53.66 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.32% |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 91662    | 51.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.12% |      |
| 50) Toluene-d8            | 10.08  | 98  | 356801   | 50.47 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.94% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 128138   | 49.33 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.66%  |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 36030  | 19.596  | ug/l | 100    |
| 3) Chloromethane              | 2.04 | 50  | 43101  | 19.699  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 47122  | 18.894  | ug/l | 97     |
| 5) Bromomethane               | 2.55 | 94  | 28631  | 18.722  | ug/l | 98     |
| 6) Chloroethane               | 2.69 | 64  | 24386  | 19.332  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 58006  | 18.040  | ug/l | 99     |
| 8) Diethyl Ether              | 3.38 | 74  | 22039  | 20.590  | ug/l | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 33214  | 18.605  | ug/l | 97     |
| 10) Methyl Iodide             | 3.93 | 142 | 43349  | 19.658  | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.72 | 59  | 32291  | 96.407  | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 32599  | 18.745  | ug/l | 98     |
| 13) Acrolein                  | 3.58 | 56  | 25085  | 75.769  | ug/l | 96     |
| 14) Allyl chloride            | 4.30 | 41  | 49172  | 19.210  | ug/l | 98     |
| 15) Acrylonitrile             | 4.94 | 53  | 86268  | 105.465 | ug/l | 99     |
| 16) Acetone                   | 3.78 | 43  | 88993  | 91.152  | ug/l | 99     |
| 17) Carbon Disulfide          | 4.03 | 76  | 96651  | 18.438  | ug/l | 99     |
| 18) Methyl Acetate            | 4.29 | 43  | 38646  | 21.072  | ug/l | 96     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 115250 | 19.706  | ug/l | 99     |
| 20) Methylene Chloride        | 4.52 | 84  | 37412  | 19.207  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 35957  | 18.967  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.91 | 45  | 116381 | 20.746  | ug/l | 98     |
| 23) Vinyl Acetate             | 5.86 | 43  | 489514 | 103.910 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.81 | 63  | 66038  | 19.432  | ug/l | 99     |
| 25) 2-Butanone                | 6.80 | 43  | 122415 | 99.695  | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 6.79 | 77  | 60778  | 18.829  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 41458  | 18.686  | ug/l | 98     |
| 28) Bromochloromethane        | 7.17 | 49  | 28650  | 21.444  | ug/l | 93     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 76610  | 101.701 | ug/l | 96     |
| 30) Chloroform                | 7.35 | 83  | 67919  | 19.079  | ug/l | 99     |
| 31) Cyclohexane               | 7.63 | 56  | 62135  | 19.628  | ug/l | 94     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 59588  | 18.317  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 50695  | 18.740  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.90 | 43  | 50680  | 20.730  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 52277  | 17.794  | ug/l | 99     |

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 Operator : JC/MD  
 Sample : VN0214MBSD01  
 Misc : 5.00µL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0214MBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 2/18/2020 9:30:29 AM

Quant Time: Feb 15 03:00:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 62731    | 18.681  | ug/l   | 99       |
| 40) Benzene                    | 8.02  | 78   | 151756   | 18.912  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.14  | 41   | 20081m   | 19.586  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 55539    | 19.748  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 86589    | 20.719  | ug/l   | 97       |
| 44) Trichloroethene            | 8.82  | 130  | 39935    | 17.973  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 40091    | 20.180  | ug/l   | 97       |
| 46) Dibromomethane             | 9.19  | 93   | 26842    | 19.119  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.39  | 83   | 54232    | 19.000  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.18  | 41   | 35773    | 19.078  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 12604    | 393.414 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 245638   | 101.545 | ug/l   | 99       |
| 52) Toluene                    | 10.14 | 92   | 95208    | 18.502  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 62346    | 19.351  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 66583    | 19.626  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 37746    | 18.802  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 54962    | 19.354  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 63754    | 19.246  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 137324   | 103.797 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.74 | 43   | 182112   | 97.458  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.89 | 129  | 42179    | 18.309  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 38464    | 18.278  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.62 | 164  | 35419    | 16.997  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 100807   | 18.050  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 39173    | 18.541  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.50 | 91   | 183707   | 18.238  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.61 | 106  | 137962   | 36.493  | ug/l   | 99       |
| 69) o-Xylene                   | 11.94 | 106  | 65863    | 18.094  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 106142   | 18.083  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 29639    | 17.442  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.25 | 105  | 180001   | 18.652  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.06 | 43   | 72643    | 20.875  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 54681    | 19.686  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 49511m   | 20.025  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 44262    | 18.482  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.59 | 91   | 204814   | 18.628  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 120228   | 18.604  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 148582   | 18.518  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 18967    | 18.783  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 123291   | 18.595  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 127592   | 17.976  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 148047   | 18.692  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 171427   | 18.236  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 156885   | 18.420  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 78145    | 18.433  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 77845    | 18.366  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 139756   | 18.656  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 28020    | 17.610  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 76202    | 18.367  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 11034    | 18.191  | ug/l   | 94       |

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Data File : VN060104.D  
Acq On : 14 Feb 2020 12:40  
Operator : JC/MD  
Sample : VN0214MBSD01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

Manual Integrations  
APPROVED

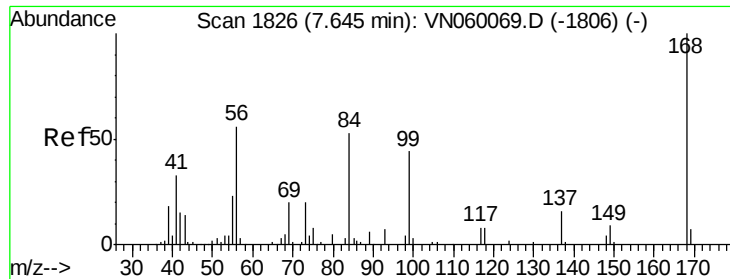
MMDadoda  
2/18/2020 9:30:29 AM

Quant Time: Feb 15 03:00:39 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 45439    | 18.640 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 25286    | 17.719 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 126685   | 19.239 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 45899    | 18.907 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN0214MBSD01

Tot Ion:168 Resp: 183942

Ion Ratio Lower Upper

168 100

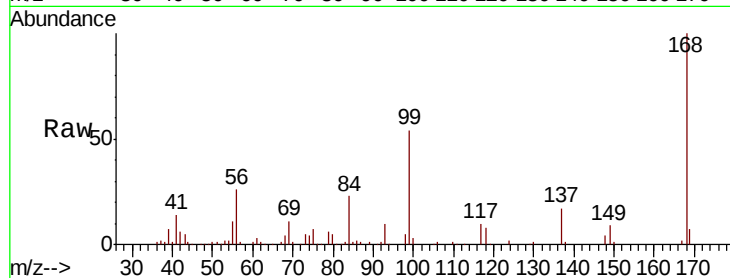
99 53.8 42.7 64.1

Manual Integrations

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2/18/2020 9:30:29 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

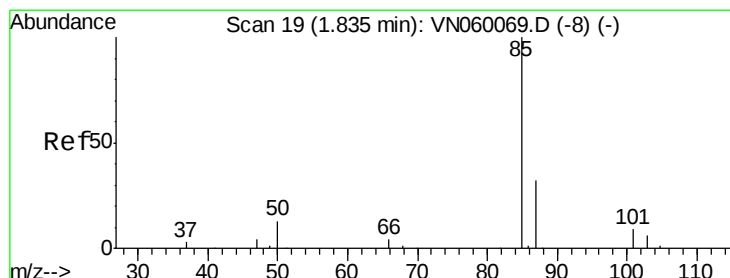
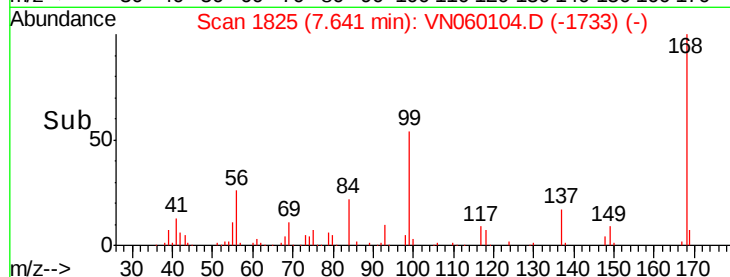
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.596 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060104.D

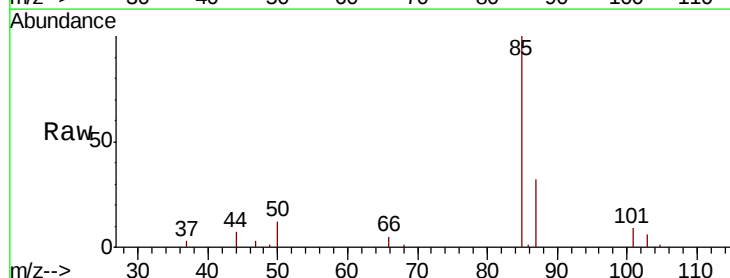
Acq: 14 Feb 2020 12:40

Tgt Ion: 85 Resp: 36030

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

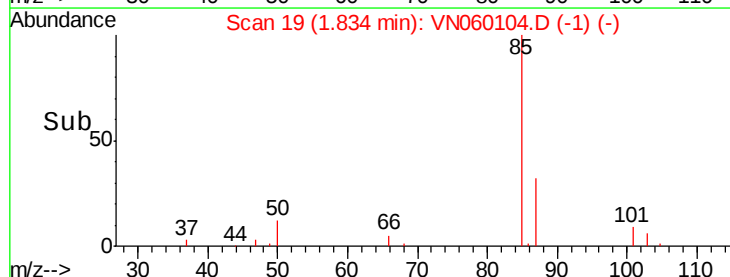
10000

5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.699 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN0214MBSD01

Tot Ion: 50 Resp: 43101

Ion Ratio Lower Upper

50 100

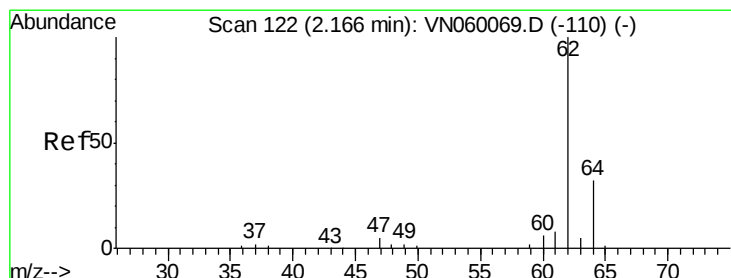
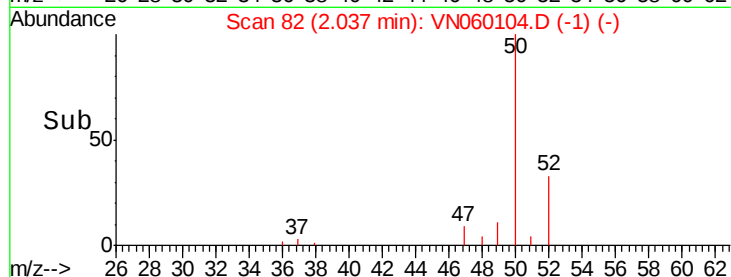
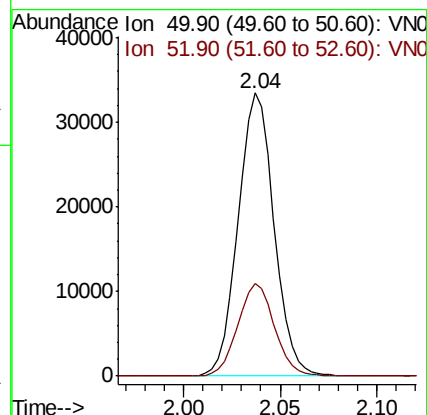
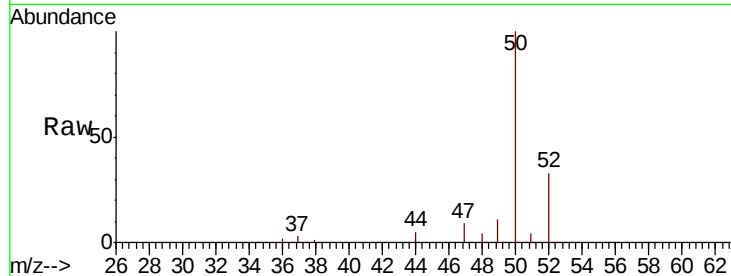
52 32.8 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:30:29 AM



#4

Vinyl Chloride

Concen: 18.894 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060104.D

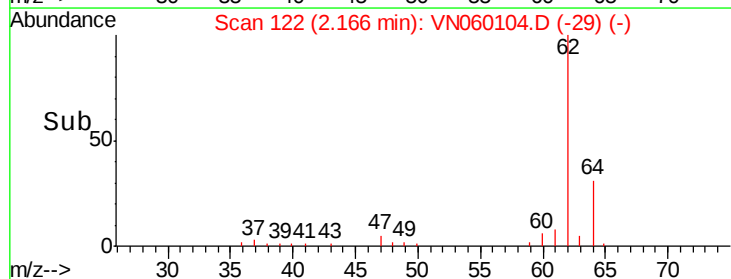
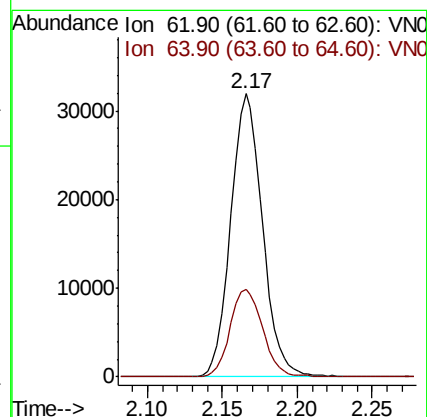
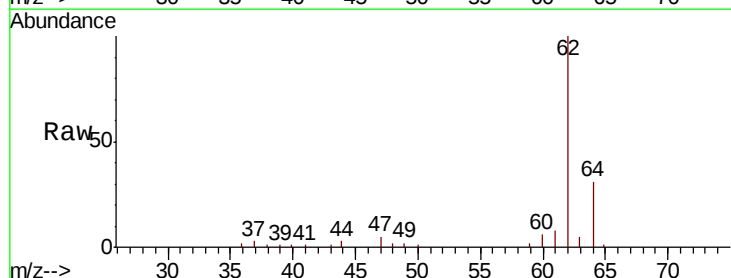
Acq: 14 Feb 2020 12:40

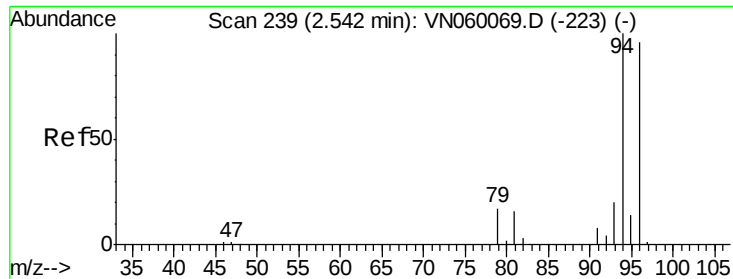
Tgt Ion: 62 Resp: 47122

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9





#5

Bromomethane

Concen: 18.722 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN0214MBSD01

Tot Ion: 94 Resp: 28631

Ion Ratio Lower Upper

94 100

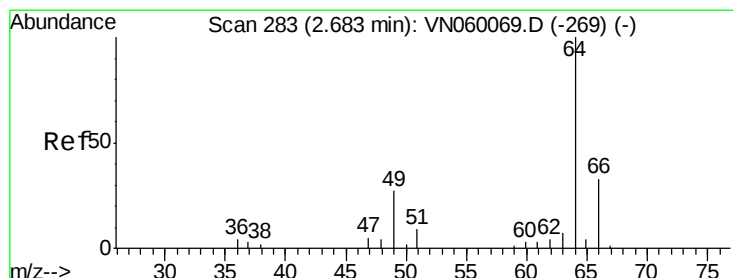
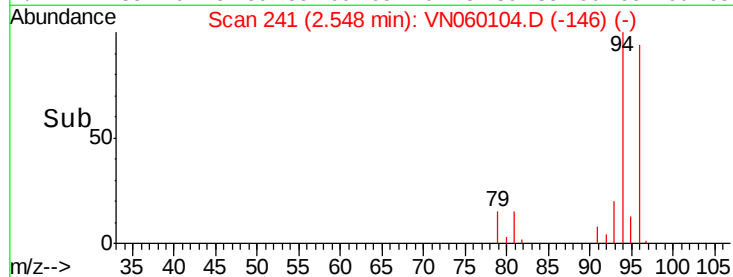
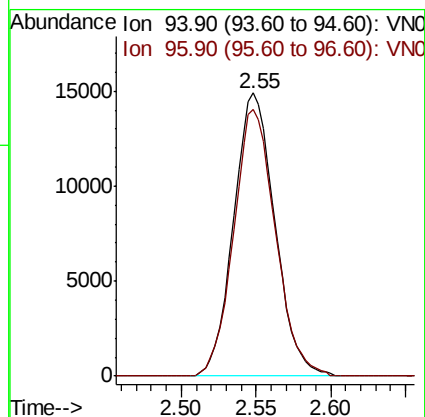
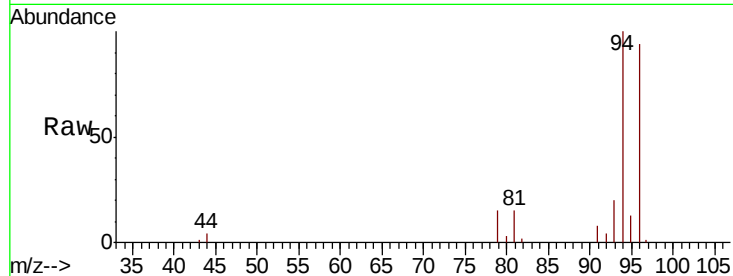
96 94.4 76.7 115.1

Manual Integrations

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2/18/2020 9:30:29 AM



#6

Chloroethane

Concen: 19.332 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060104.D

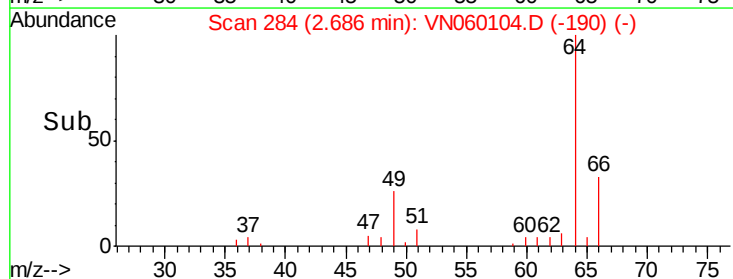
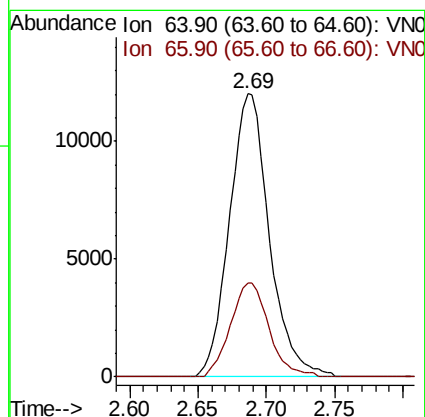
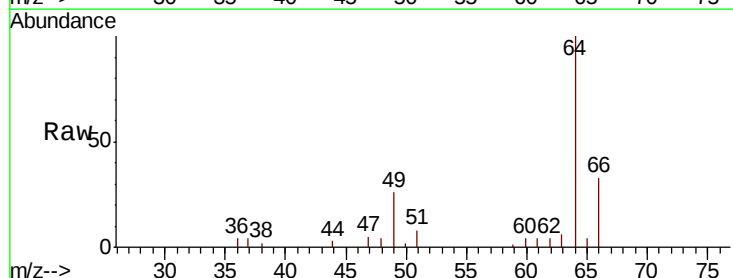
Acq: 14 Feb 2020 12:40

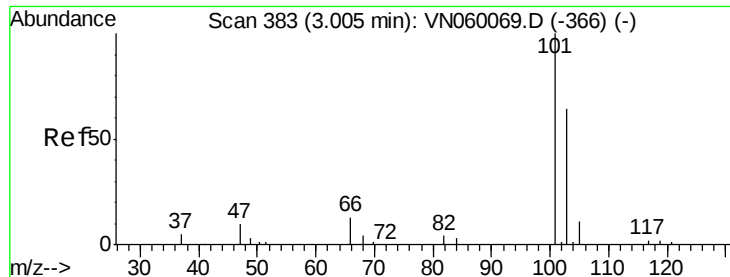
Tgt Ion: 64 Resp: 24386

Ion Ratio Lower Upper

64 100

66 33.1 26.6 40.0





#7

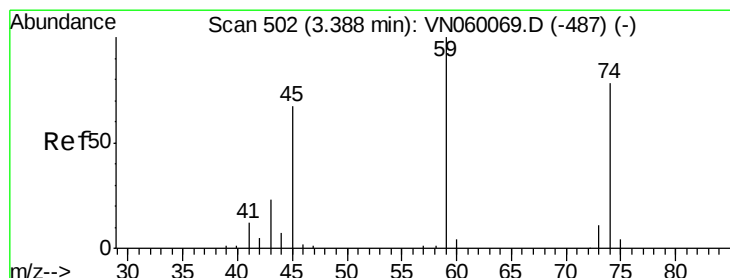
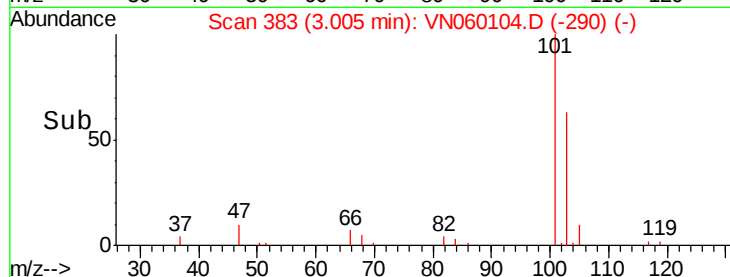
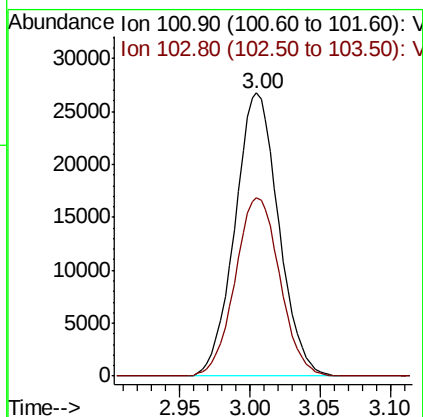
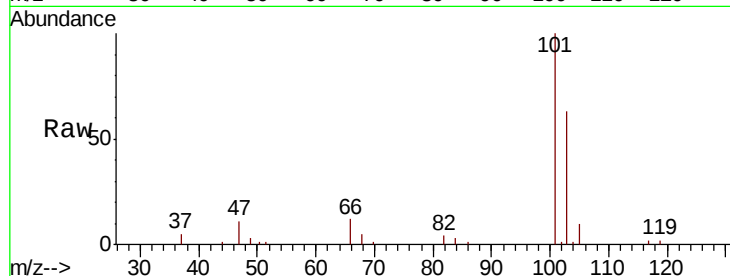
Trichlorofluoromethane  
 Concen: 18.040 ug/l  
 RT: 3.00 min Scan# 383  
 Delta R.T. -0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0214MBSD01

Tot Ion:101 Resp: 58006  
 Ion Ratio Lower Upper  
 101 100  
 103 63.0 51.0 76.6

Manual Integrations  
 APPROVED

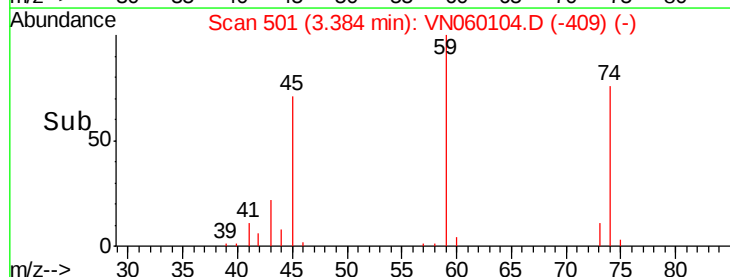
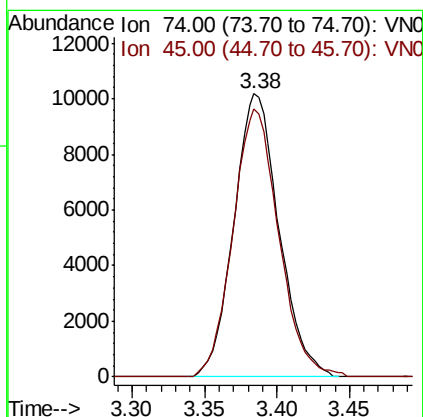
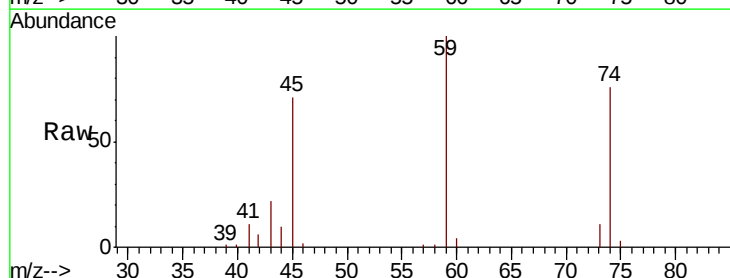
MMDadoda  
 2/18/2020 9:30:29 AM

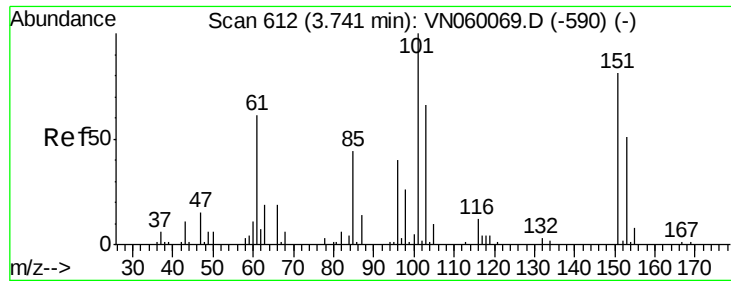


#8

Diethyl Ether  
 Concen: 20.590 ug/l  
 RT: 3.38 min Scan# 501  
 Delta R.T. -0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

Tgt Ion: 74 Resp: 22039  
 Ion Ratio Lower Upper  
 74 100  
 45 96.0 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.605 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

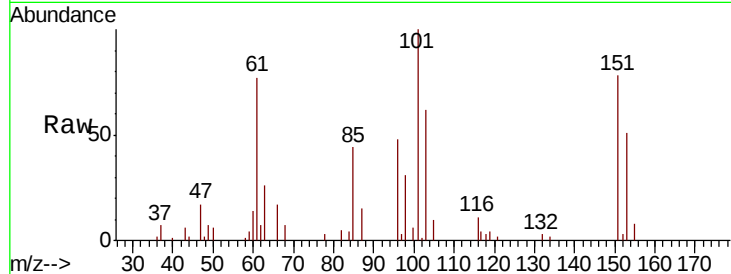
ClientSampleId :

VN0214MBSD01

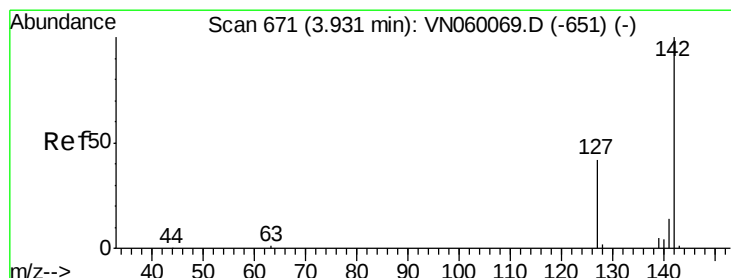
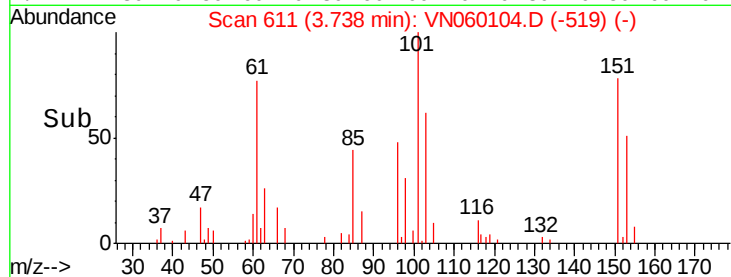
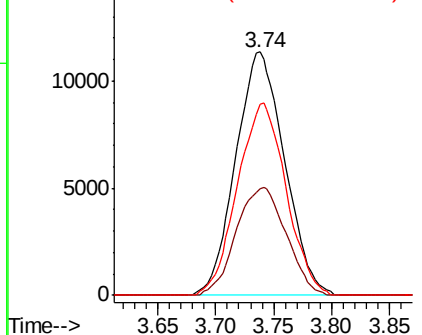
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 33214 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.3  | 35.1  | 52.7  |
| 151       | 78.7  | 65.8  | 98.6  |

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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.658 ug/l

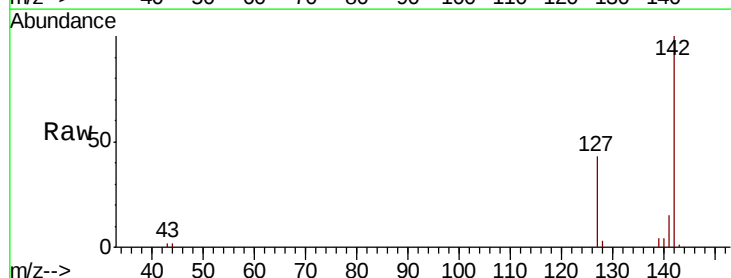
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

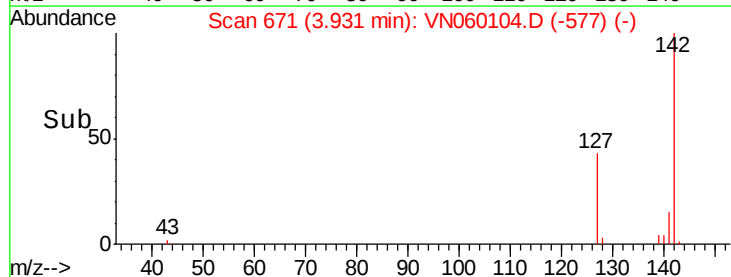
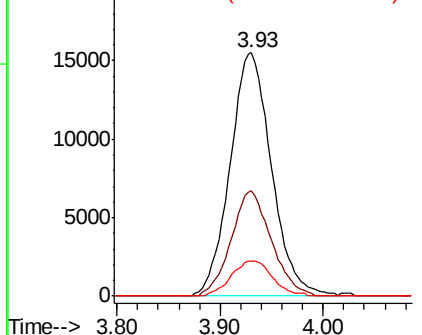
Lab File: VN060104.D

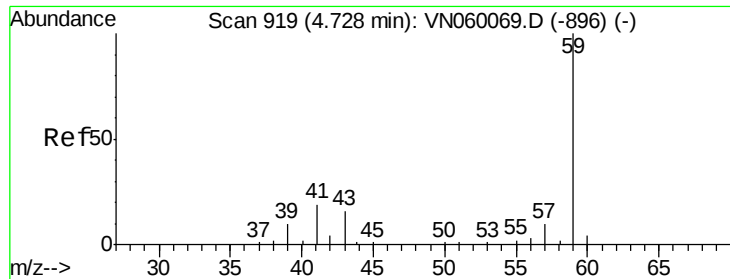
Acq: 14 Feb 2020 12:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 43349 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.0  | 33.6  | 50.4  |
| 141       | 14.4  | 11.4  | 17.2  |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





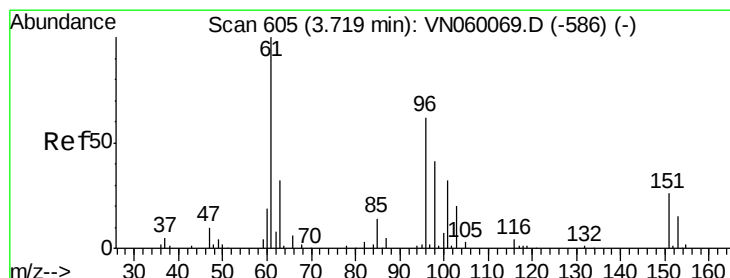
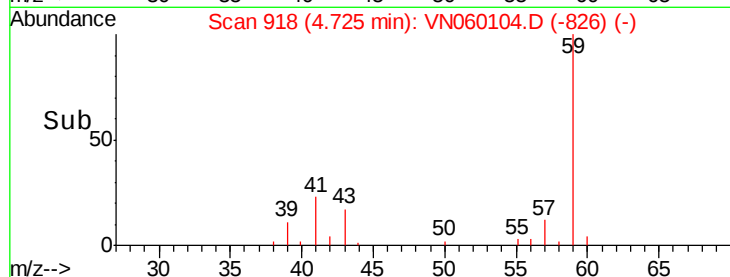
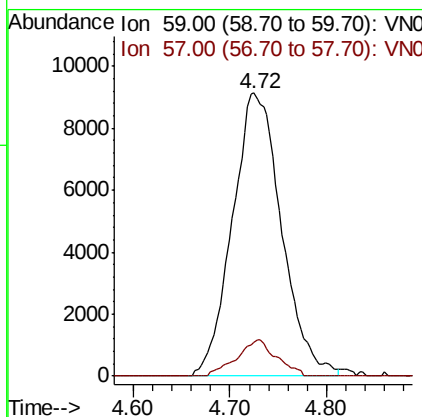
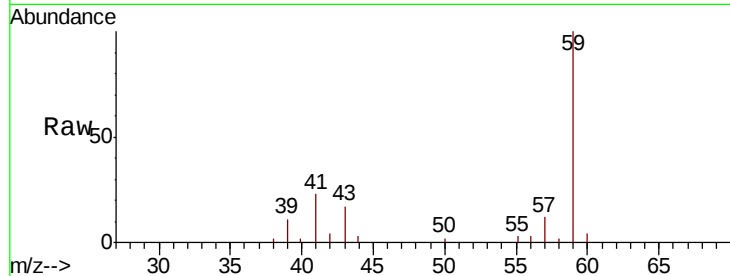
#11  
Tert butyl alcohol  
Concen: 96.407 ug/l  
RT: 4.72 min Scan# 918  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.4  | 8.2   | 12.4  |

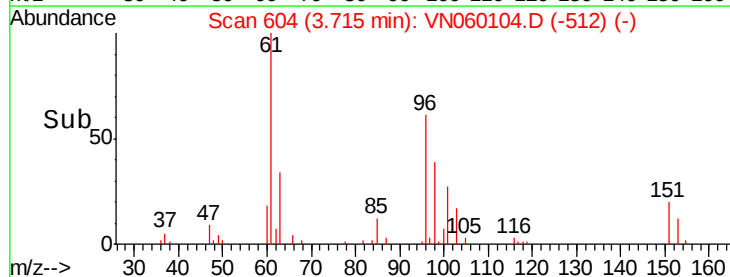
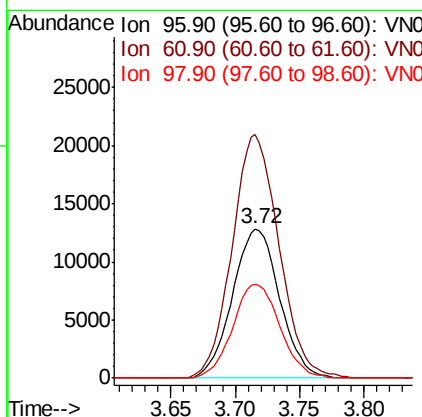
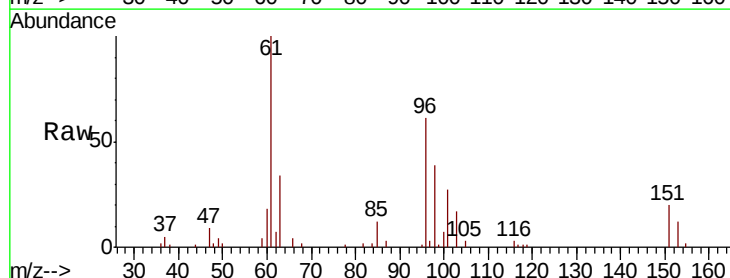
Manual Integrations  
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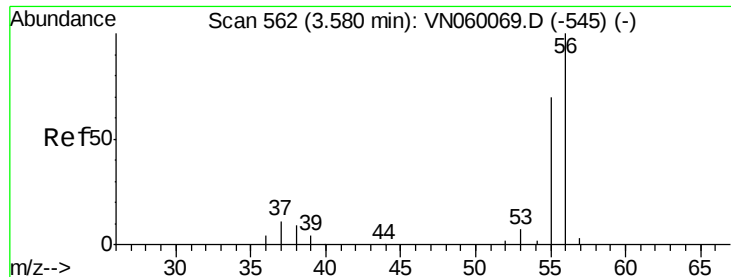
MMDadoda  
2/18/2020 9:30:29 AM



#12  
1,1-Dichloroethene  
Concen: 18.745 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 163.4 | 128.3 | 192.5 |
| 98      | 63.1  | 52.2  | 78.4  |





#13

Acrolein

Concen: 75.769 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN0214MBSD01

Tot Ion: 56 Resp: 25085

Ion Ratio Lower Upper

56 100

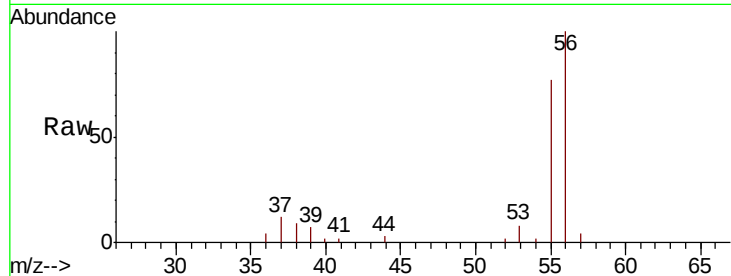
55 71.9 54.8 82.2

Manual Integrations

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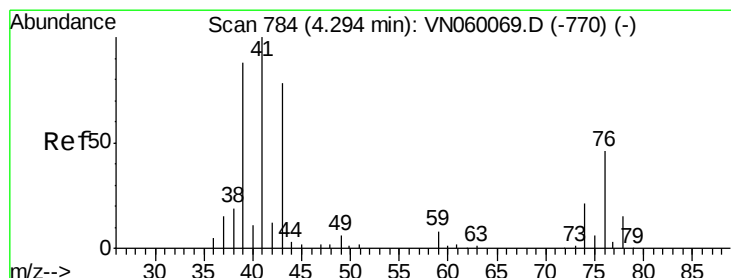
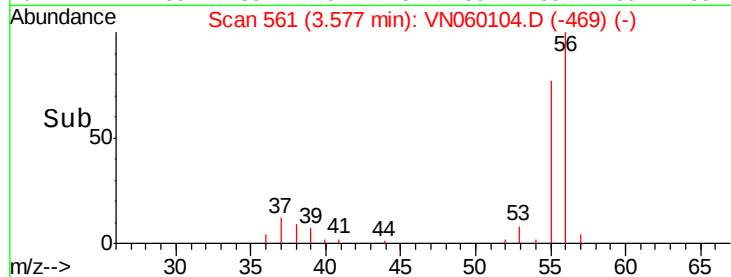
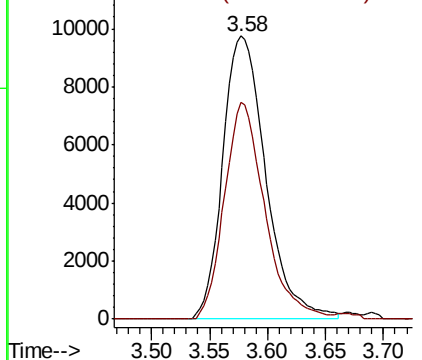
MMDadoda

2/18/2020 9:30:29 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.210 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

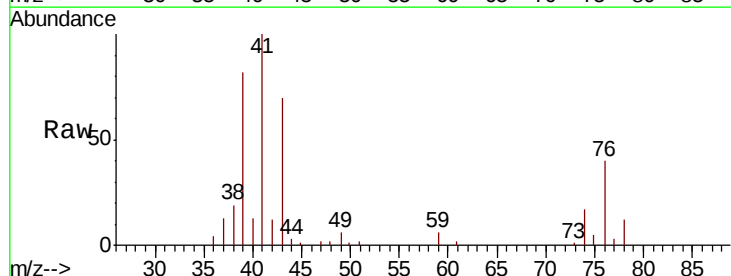
Tgt Ion: 41 Resp: 49172

Ion Ratio Lower Upper

41 100

39 83.9 67.8 101.8

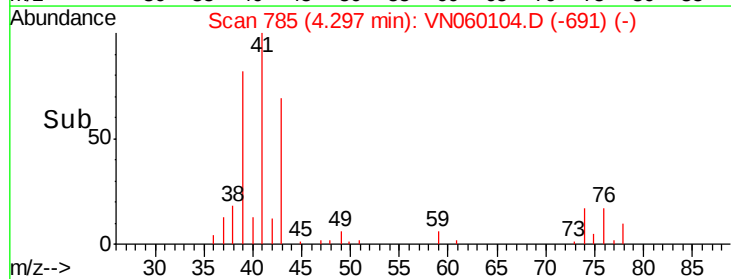
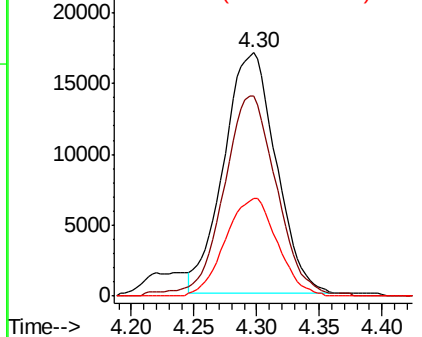
76 40.5 33.9 50.9

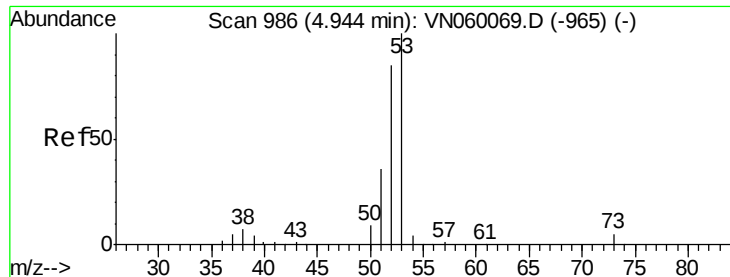


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.465 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

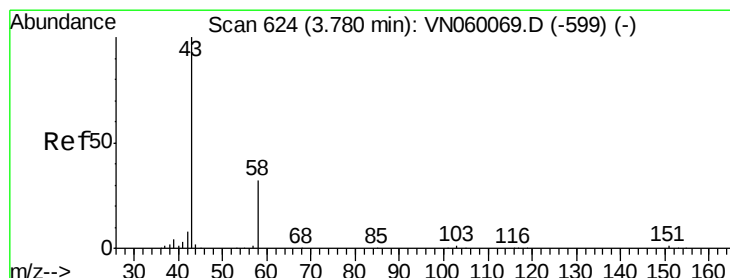
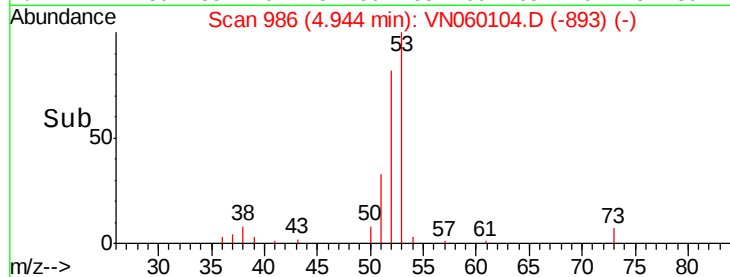
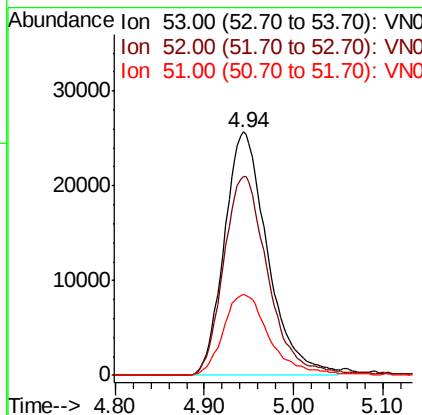
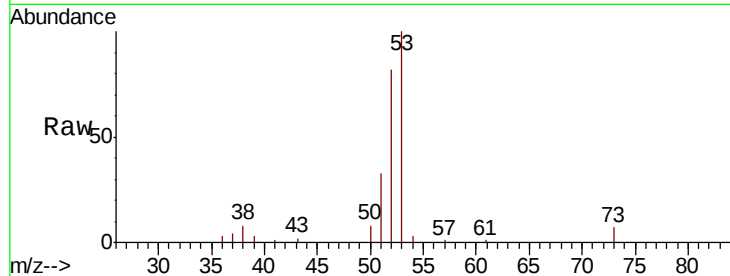
ClientSampleId :

VN0214MBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 86268 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.5  | 66.8  | 100.2 |
| 51       | 35.6  | 29.4  | 44.0  |

Manual Integrations  
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2/18/2020 9:30:29 AM



#16

Acetone

Concen: 91.152 ug/l

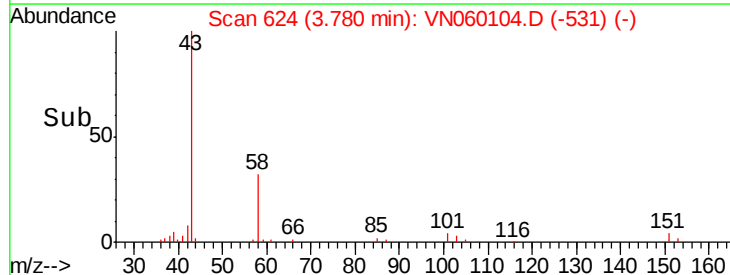
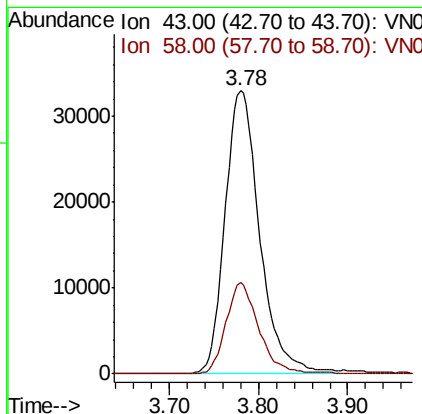
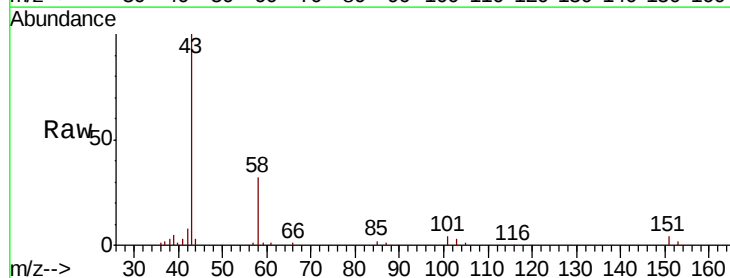
RT: 3.78 min Scan# 624

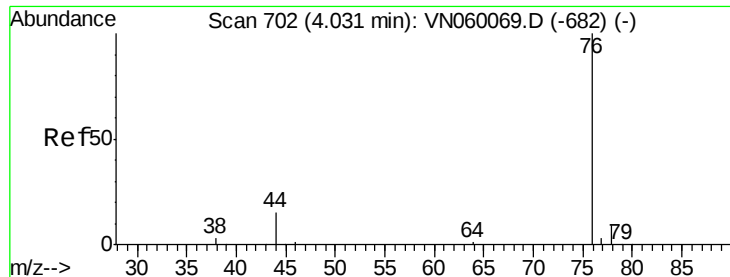
Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 88993 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 32.1  | 25.2  | 37.8  |





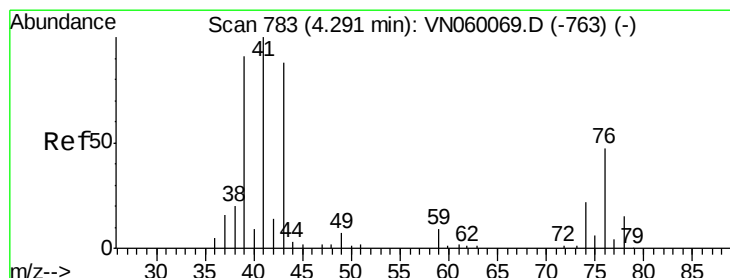
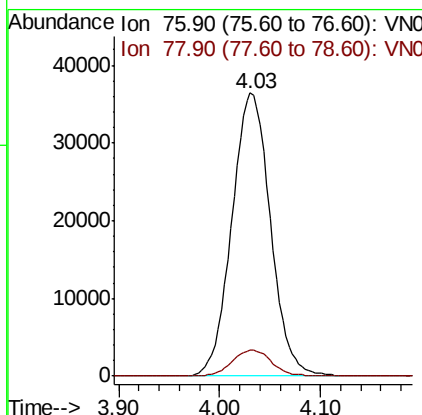
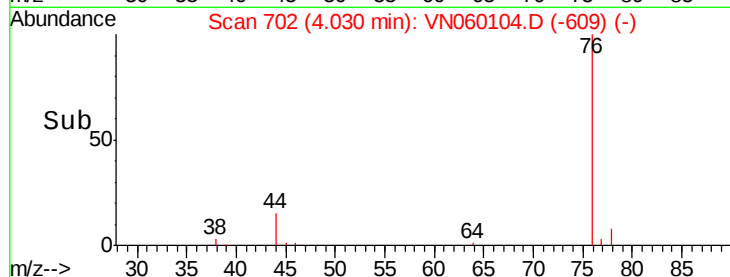
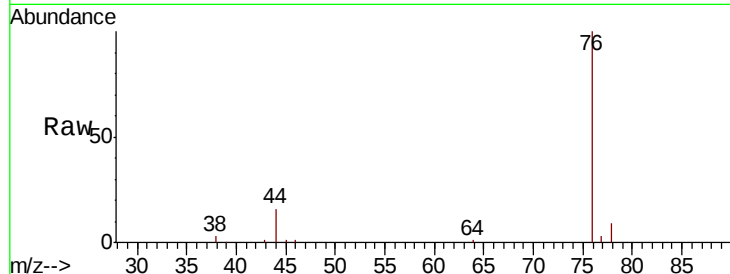
#17  
Carbon Disulfide  
Concen: 18.438 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.0   | 10.6  |

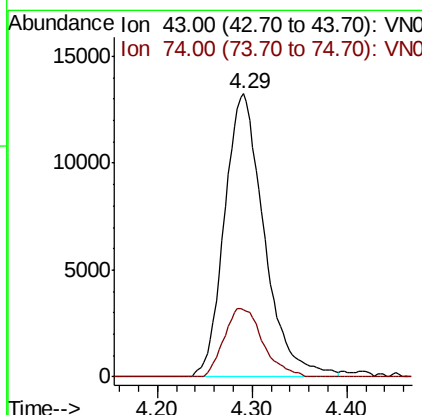
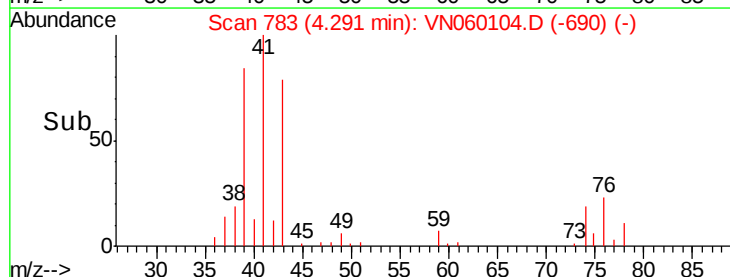
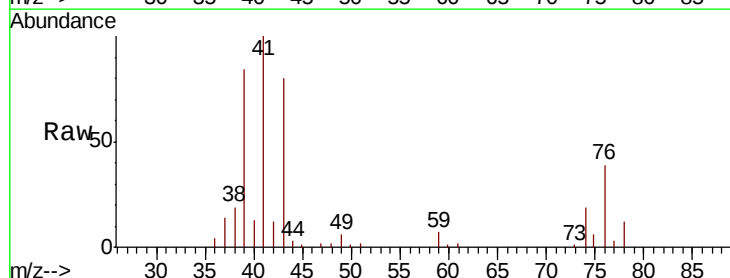
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2/18/2020 9:30:29 AM



#18  
Methyl Acetate  
Concen: 21.072 ug/l  
RT: 4.29 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.6  | 20.3  | 30.5  |





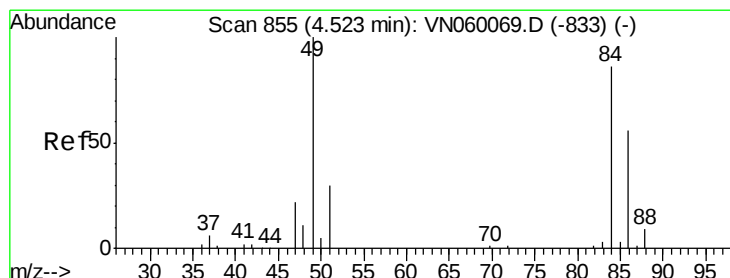
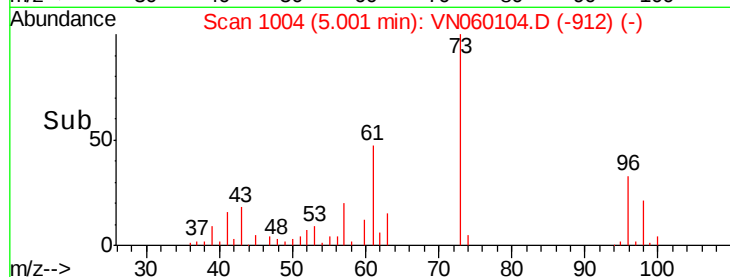
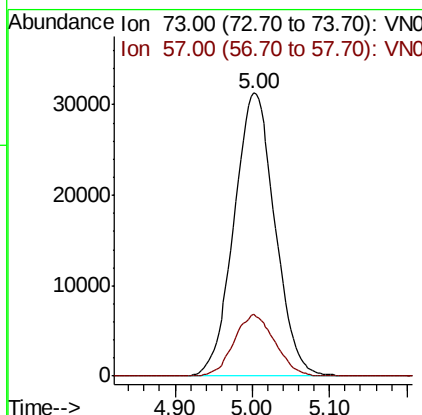
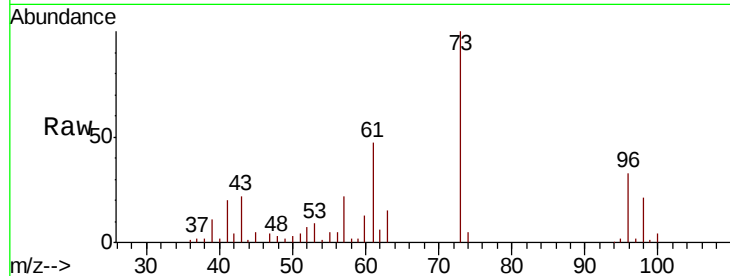
#19  
Methvl tert-butvl Ether  
Concen: 19.706 ug/l  
RT: 5.00 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

Tot Ion: 73 Resp: 115250  
Ion Ratio Lower Upper  
73 100  
57 21.8 17.2 25.8

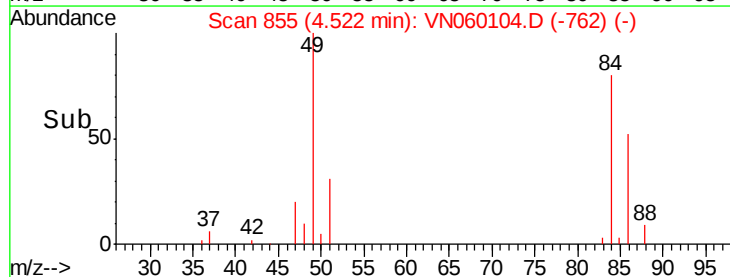
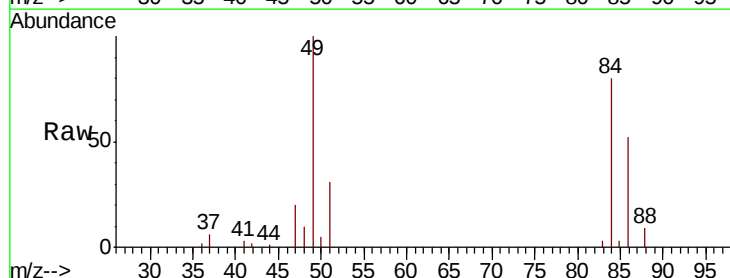
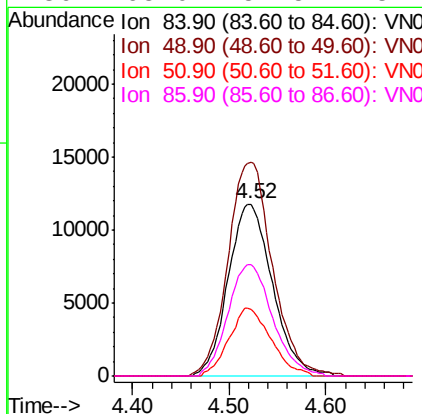
Manual Integrations  
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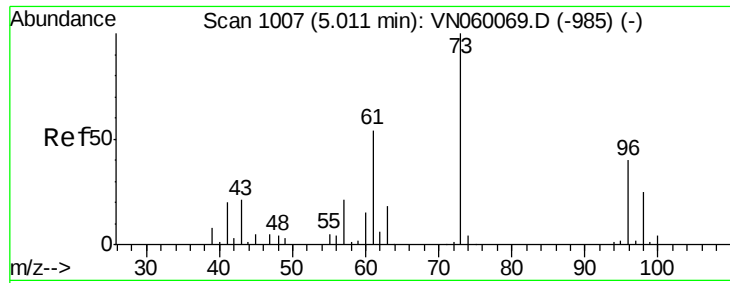
MMDadoda  
2/18/2020 9:30:29 AM



#20  
Methylene Chloride  
Concen: 19.207 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Tgt Ion: 84 Resp: 37412  
Ion Ratio Lower Upper  
84 100  
49 124.4 93.4 140.0  
51 38.9 28.4 42.6  
86 65.0 52.5 78.7





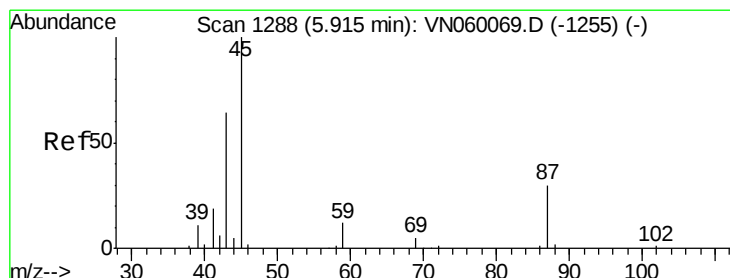
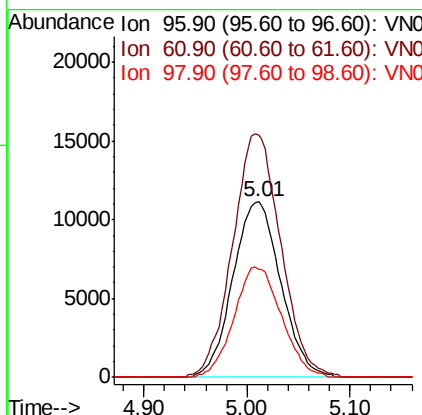
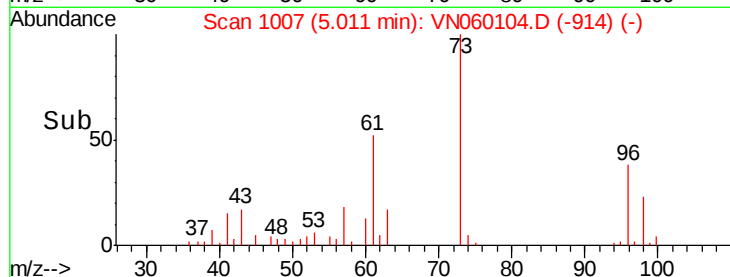
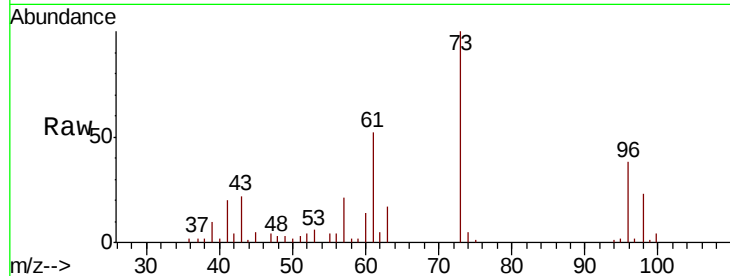
#21  
trans-1,2-Dichloroethene  
Concen: 18.967 ug/l  
RT: 5.01 min Scan# 1007  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 137.1 | 109.3 | 163.9 |
| 98      | 61.9  | 51.0  | 76.6  |

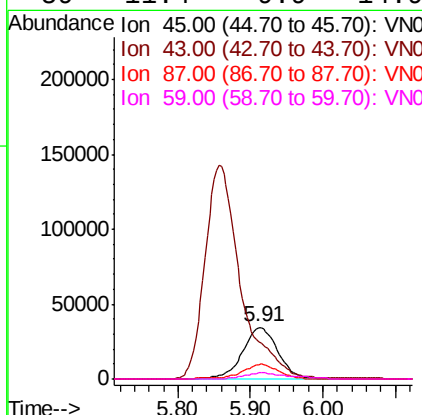
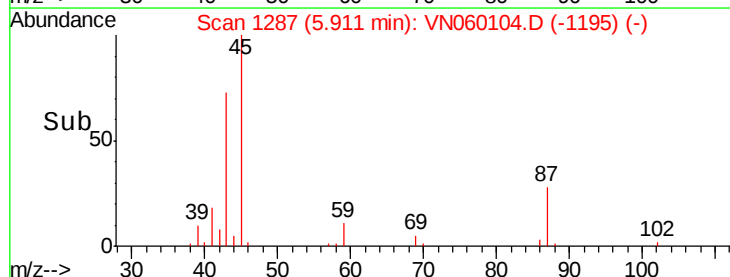
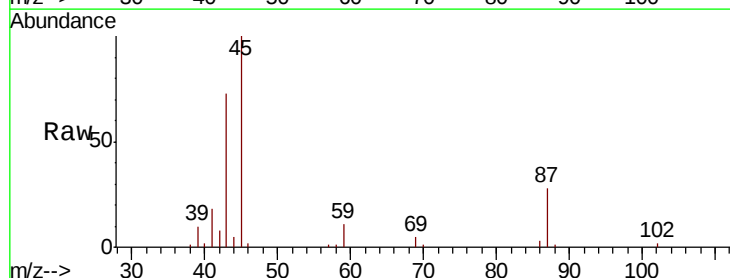
Manual Integrations  
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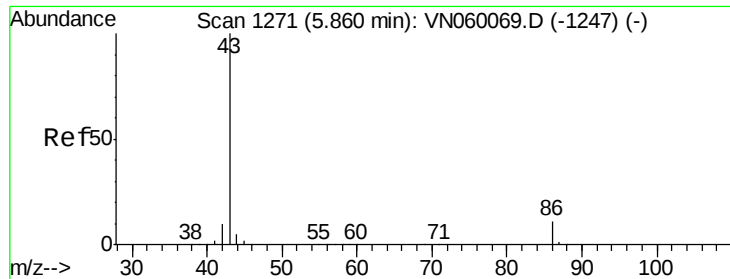
MMDadoda  
2/18/2020 9:30:29 AM



#22  
Diisopropyl ether  
Concen: 20.746 ug/l  
RT: 5.91 min Scan# 1287  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 70.6  | 55.9  | 83.9  |
| 87      | 28.3  | 24.5  | 36.7  |
| 59      | 11.4  | 9.9   | 14.9  |





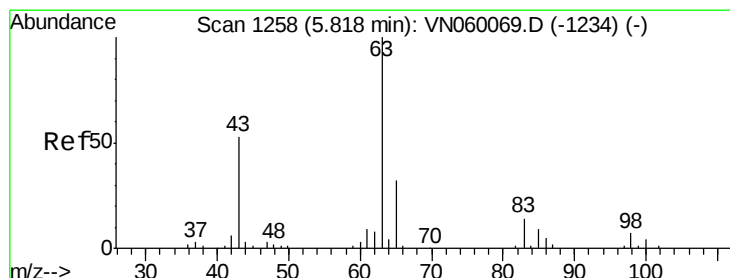
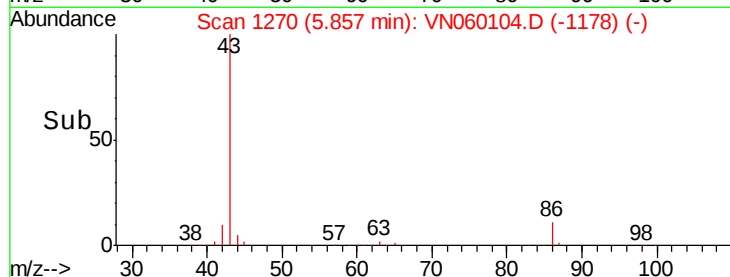
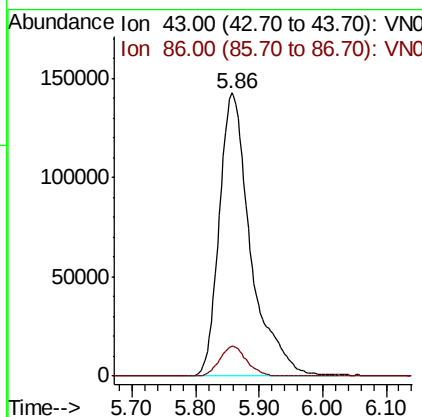
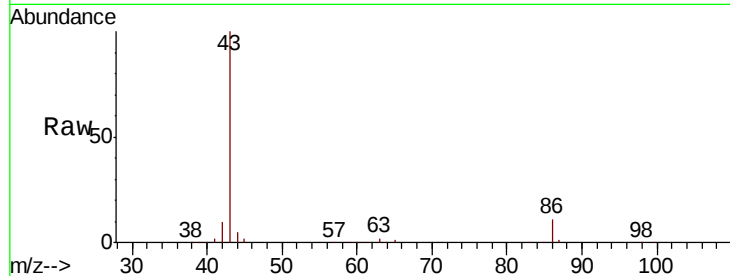
#23  
 Vinyl Acetate  
 Concen: 103.910 ug/l  
 RT: 5.86 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0214MBSD01

| Tot Ion   | 43   | Resp  | 489514 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 86        | 10.6 | 8.9   | 13.3   |

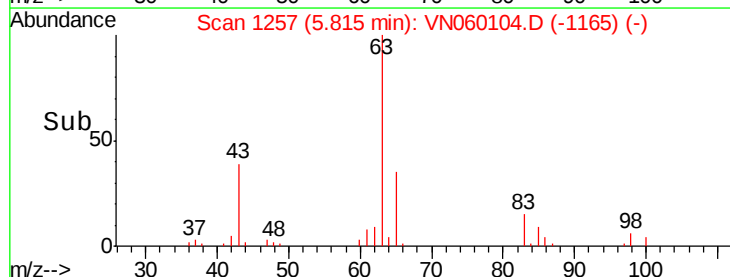
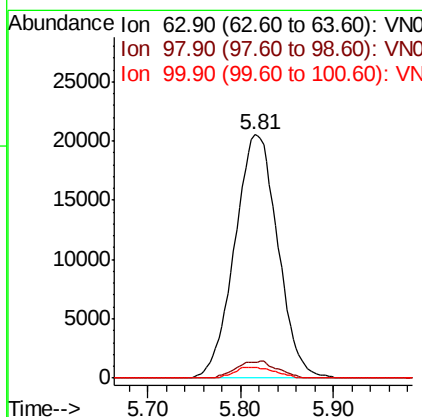
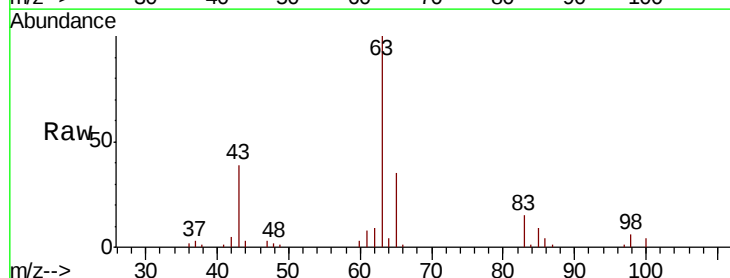
Manual Integrations  
 APPROVED

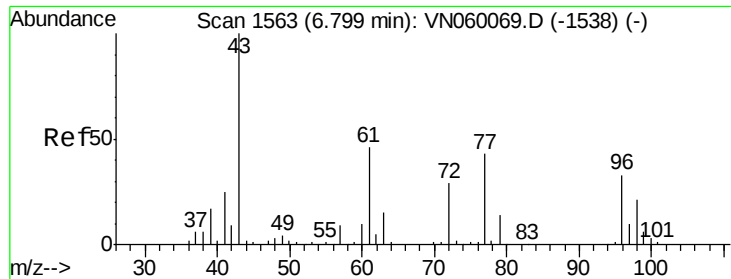
MMDadoda  
 2/18/2020 9:30:29 AM



#24  
 1,1-Dichloroethane  
 Concen: 19.432 ug/l  
 RT: 5.81 min Scan# 1257  
 Delta R.T. -0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

| Tgt Ion   | 63  | Resp  | 66038 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 63        | 100 |       |       |
| 98        | 6.4 | 3.5   | 10.5  |
| 100       | 4.5 | 2.2   | 6.6   |





#25

2-Butanone

Concen: 99.695 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN0214MBSD01

Tot Ion: 43 Resp: 122415

Ion Ratio Lower Upper

43 100

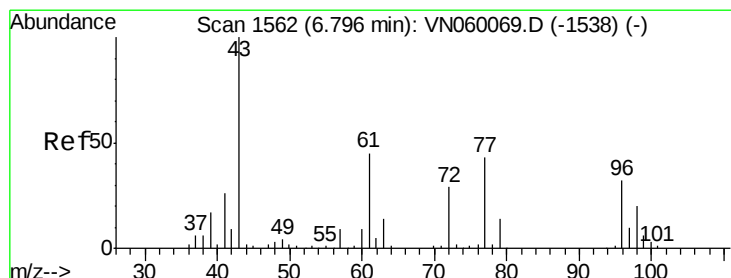
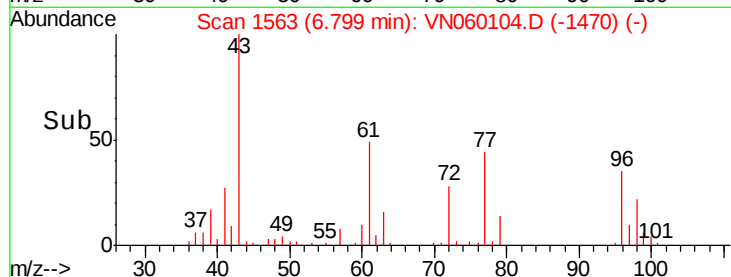
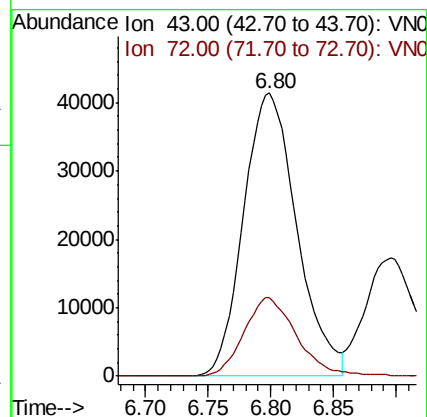
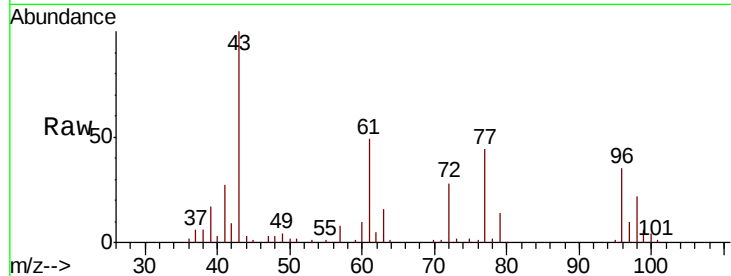
72 27.7 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.829 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060104.D

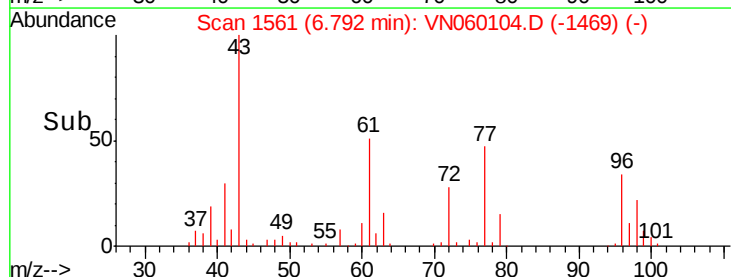
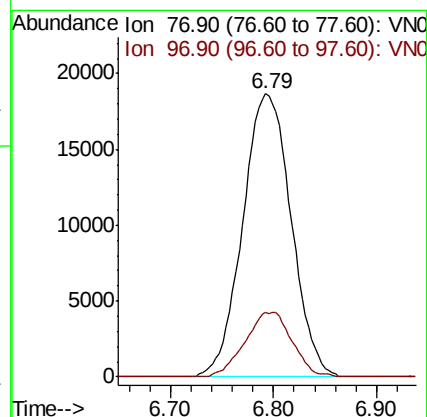
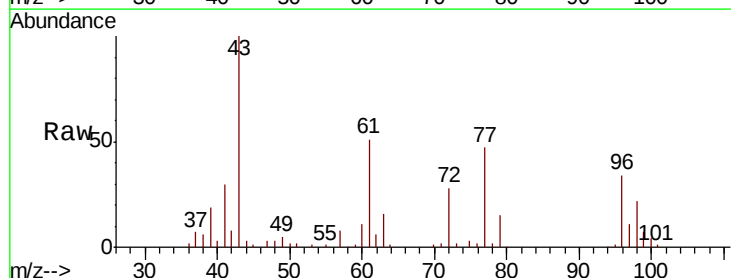
Acq: 14 Feb 2020 12:40

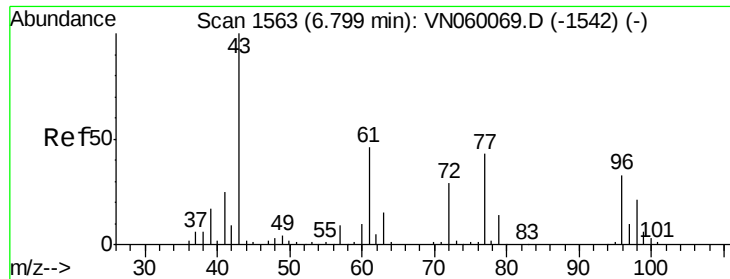
Tgt Ion: 77 Resp: 60778

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 18.686 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

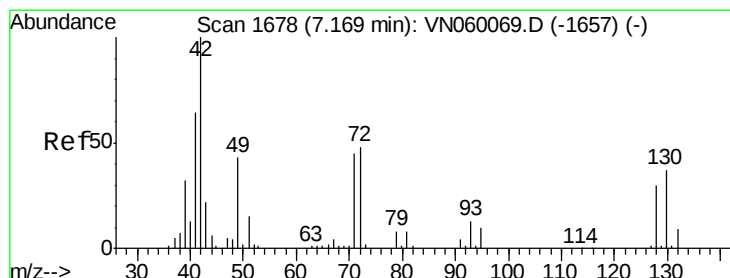
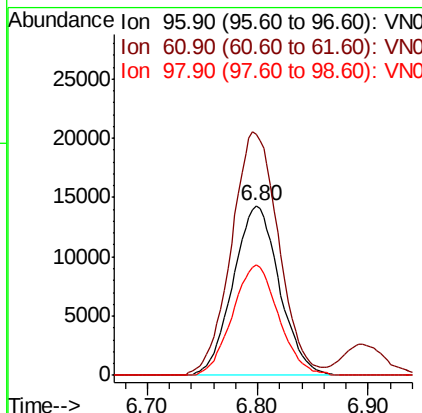
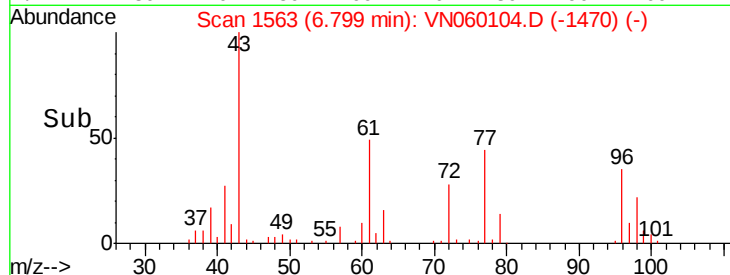
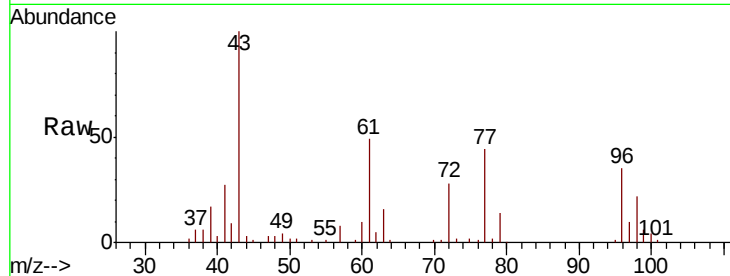
ClientSampleId :

VN0214MBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 41458 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 146.9 | 0.0   | 285.8 |
| 98       | 64.9  | 0.0   | 129.6 |

Manual Integrations  
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2/18/2020 9:30:29 AM



#28

Bromochloromethane

Concen: 21.444 ug/l

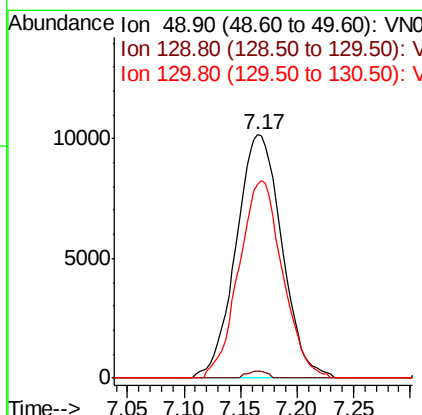
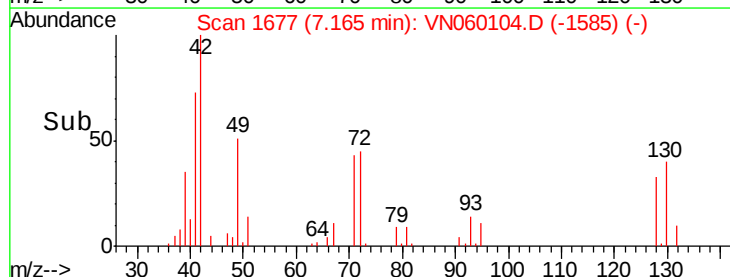
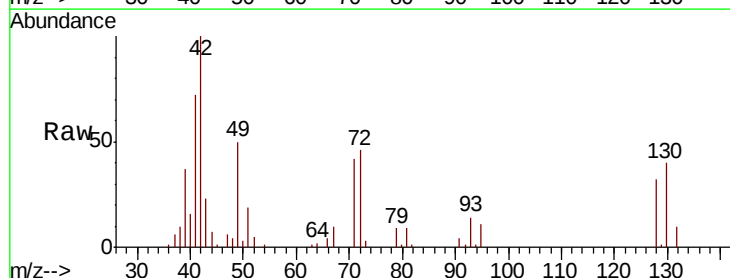
RT: 7.17 min Scan# 1677

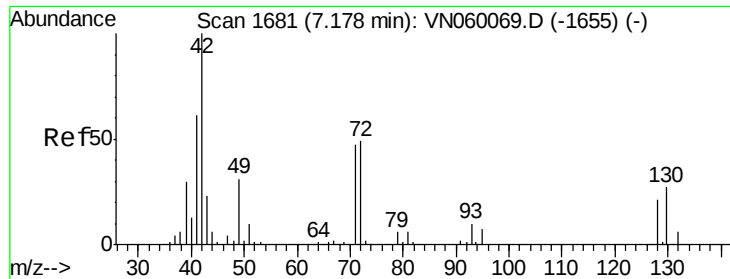
Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 28650 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.2   | 0.0   | 2.2   |
| 130      | 77.5  | 66.8  | 100.2 |





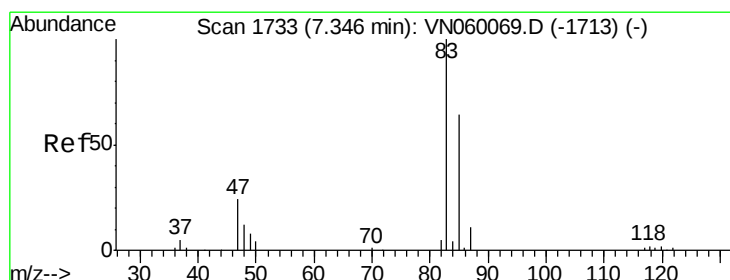
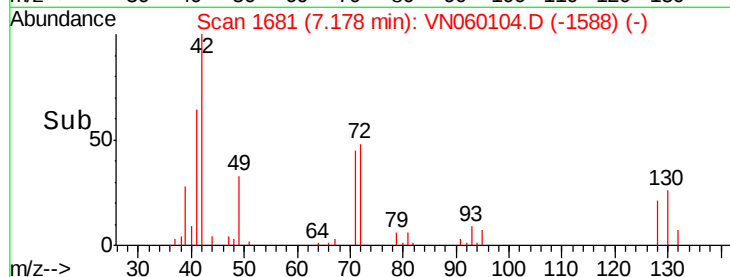
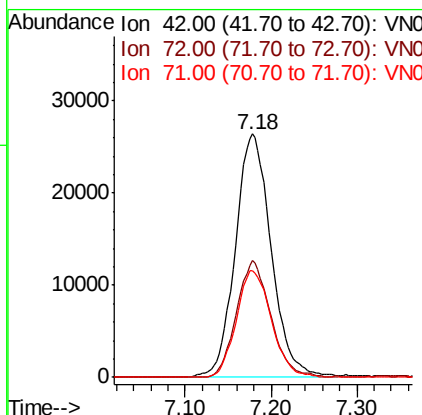
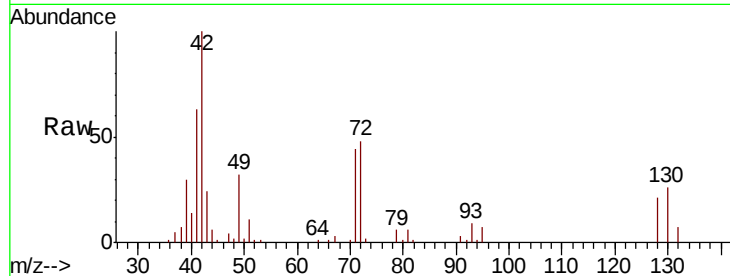
#29  
Tetrahydrofuran  
Concen: 101.701 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.7  | 38.2  | 57.4  |
| 71      | 42.6  | 36.6  | 54.8  |

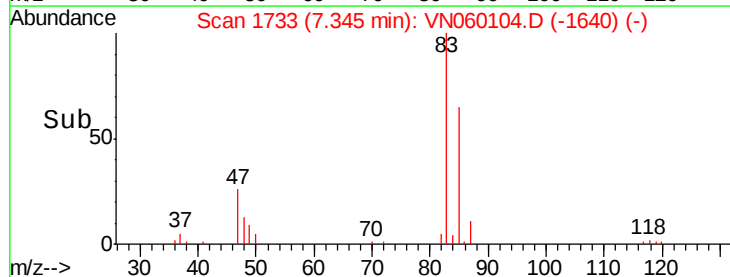
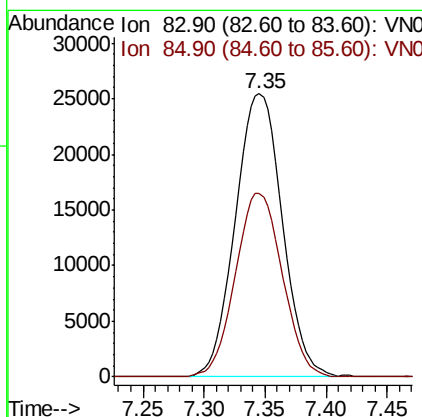
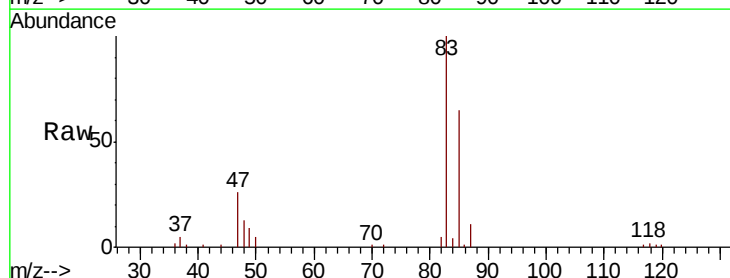
Manual Integrations  
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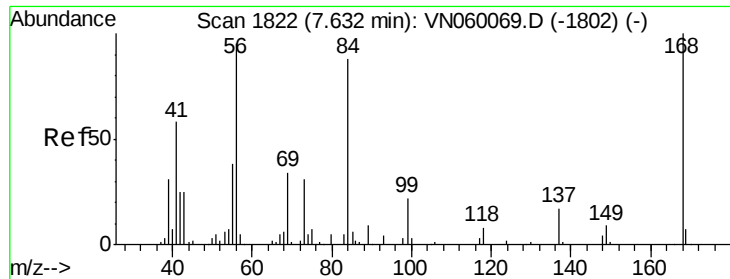
MMDadoda  
2/18/2020 9:30:29 AM



#30  
Chloroform  
Concen: 19.079 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.9  | 51.4  | 77.0  |





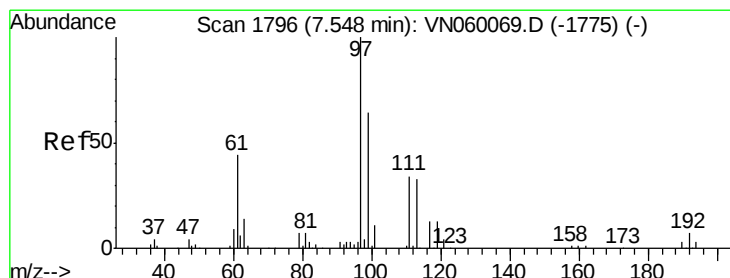
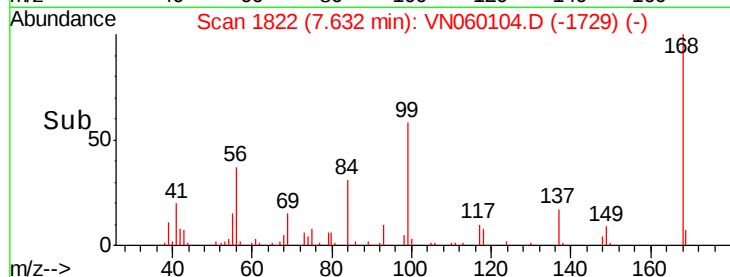
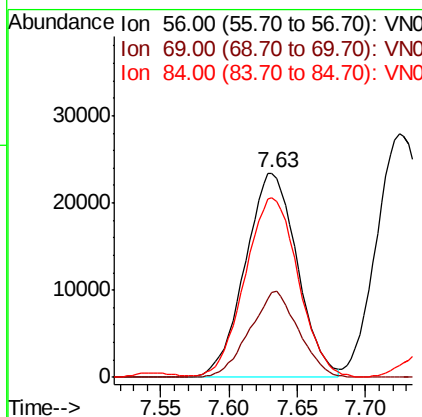
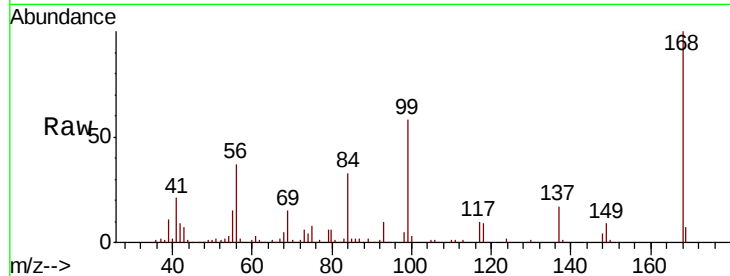
#31  
Cyclohexane  
Concen: 19.628 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 41.7  | 28.3  | 42.5  |
| 84      | 87.2  | 72.6  | 108.8 |

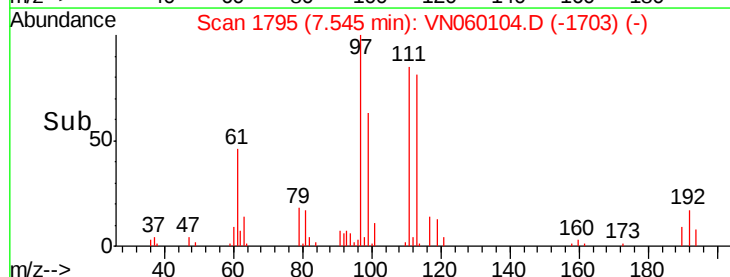
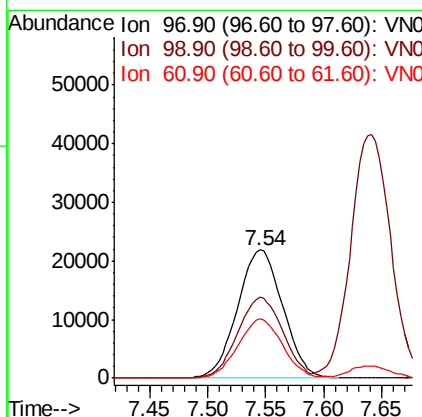
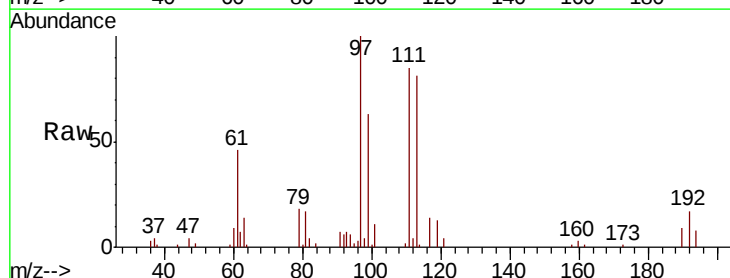
Manual Integrations  
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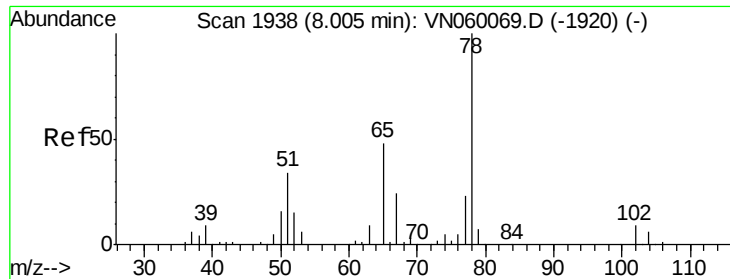
MMDadoda  
2/18/2020 9:30:29 AM



#32  
1,1,1-Trichloroethane  
Concen: 18.317 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.7  | 51.4  | 77.0  |
| 61      | 45.2  | 34.9  | 52.3  |





#33

1,2-Dichloroethane-d4

Concen: 53.656 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN0214MBSD01

Tot Ion: 65 Resp: 120096

Ion Ratio Lower Upper

65 100

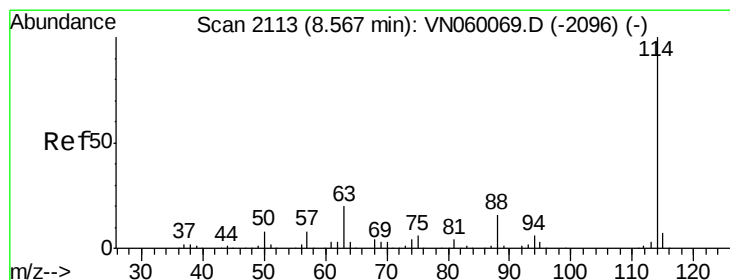
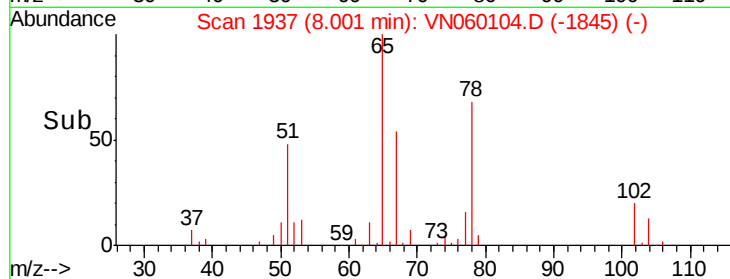
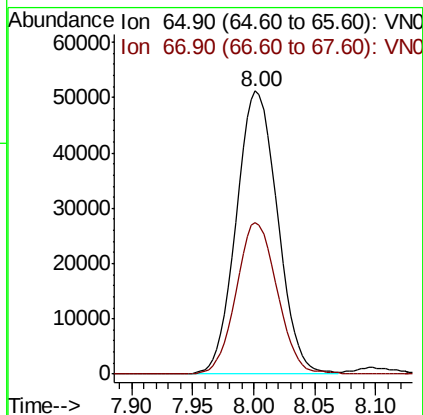
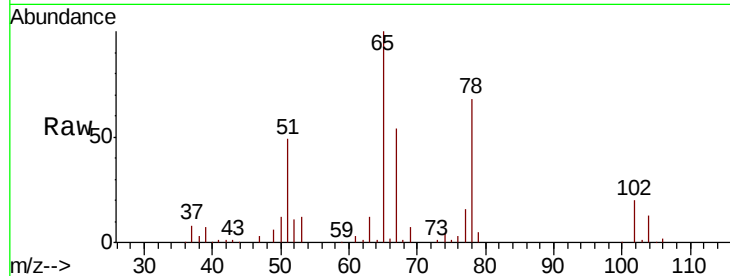
67 53.1 0.0 104.0

Manual Integrations

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2/18/2020 9:30:29 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

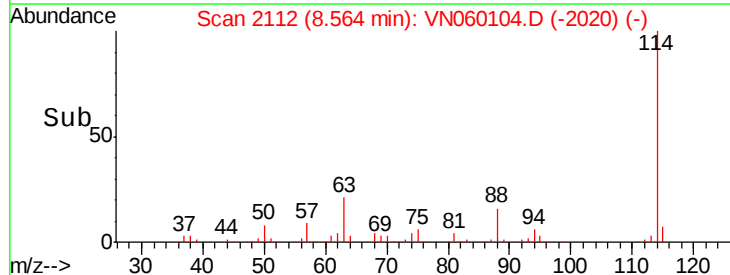
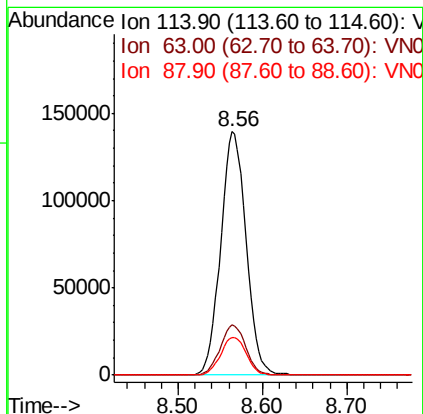
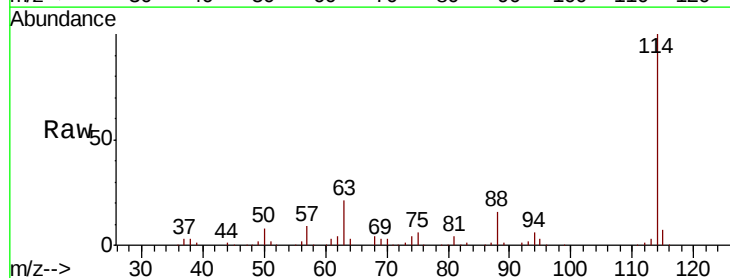
Tgt Ion: 114 Resp: 292055

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.058 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

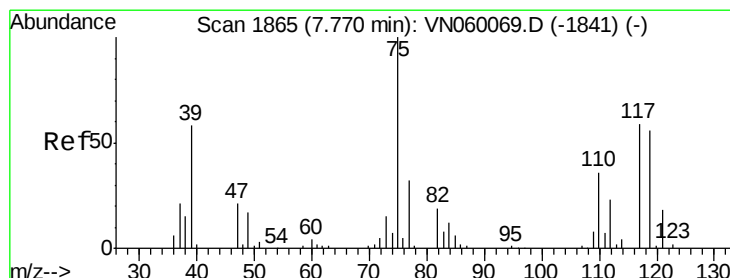
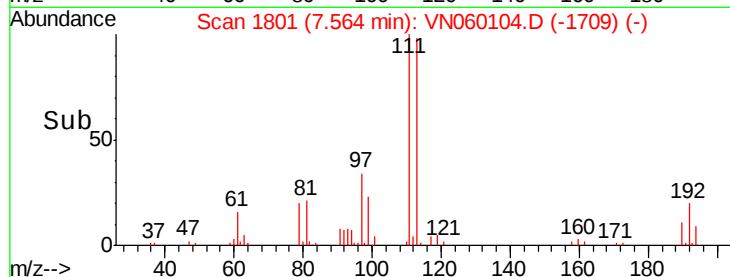
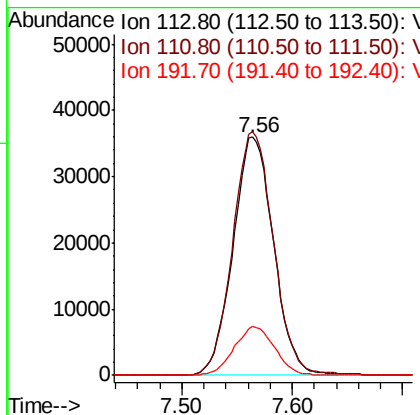
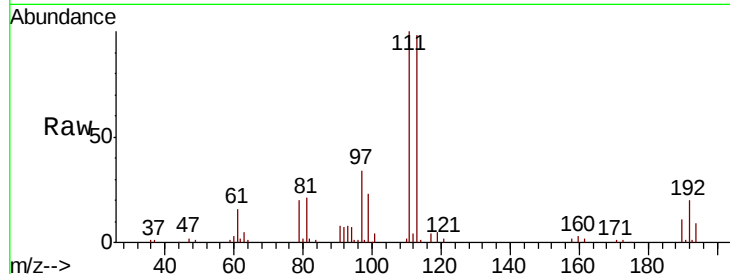
ClientSampleId :

VN0214MBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 91662 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.7 | 81.4  | 122.2 |
| 192      | 20.4  | 16.2  | 24.2  |

Manual Integrations  
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MMDadoda  
2/18/2020 9:30:29 AM



#36

1,1-Dichloropropene

Concen: 18.740 ug/l

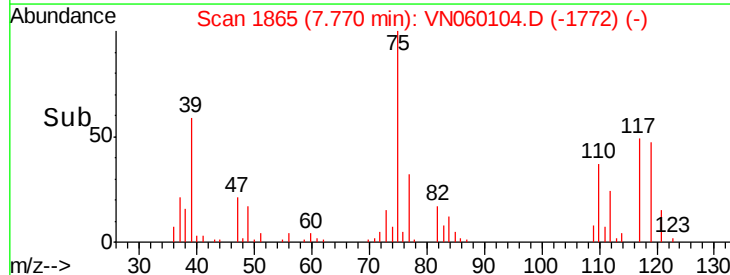
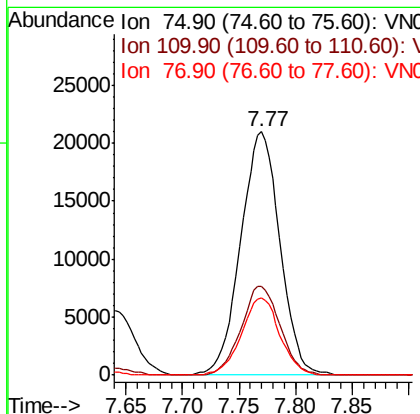
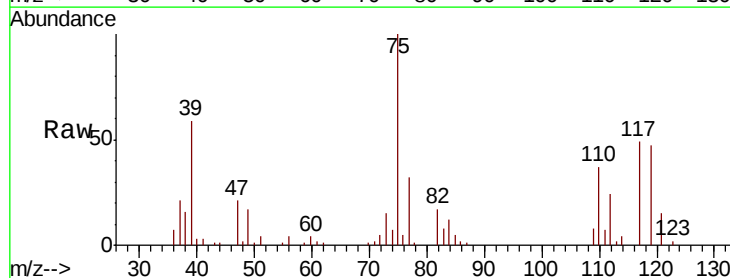
RT: 7.77 min Scan# 1865

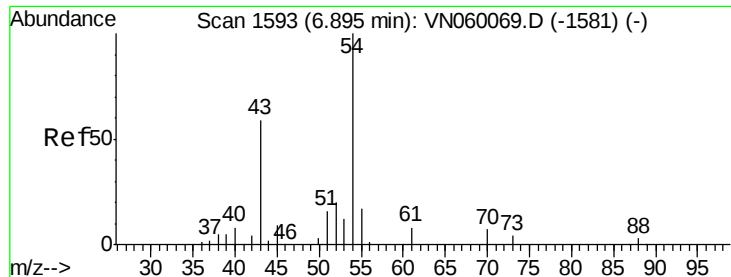
Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 50695 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 36.0  | 18.1  | 54.3  |
| 77       | 30.9  | 25.1  | 37.7  |





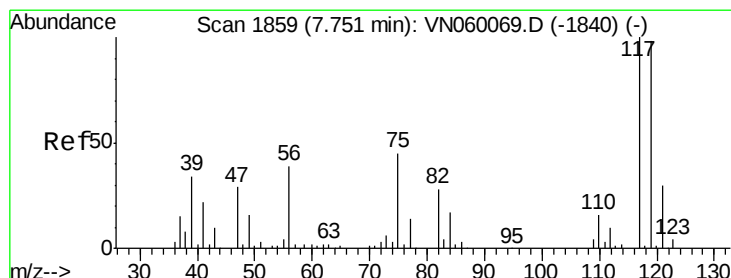
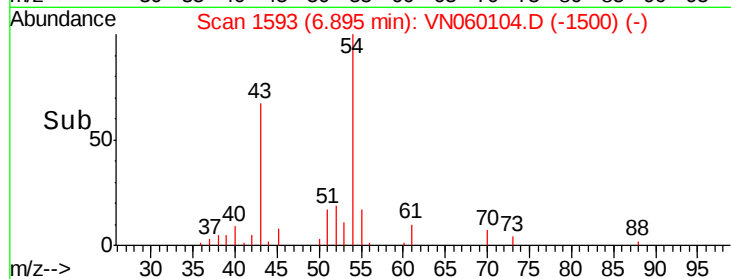
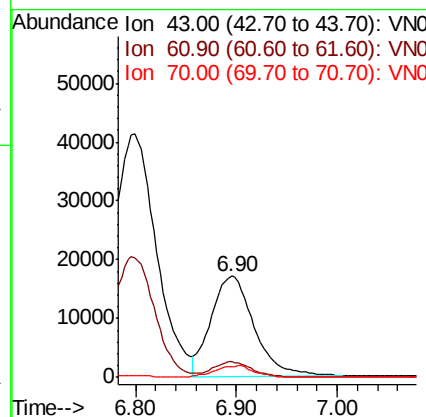
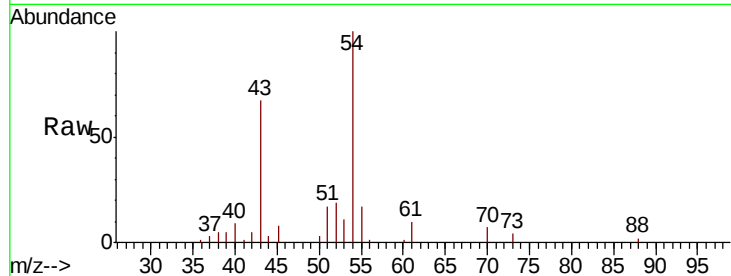
#37  
Ethyl Acetate  
Concen: 20.730 ug/l  
RT: 6.90 min Scan# 1593  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.3  | 11.4  | 17.2  |
| 70      | 10.4  | 8.7   | 13.1  |

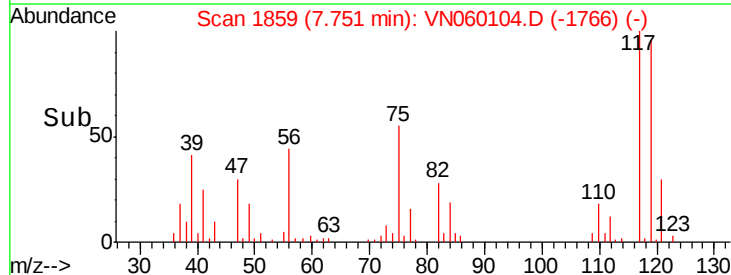
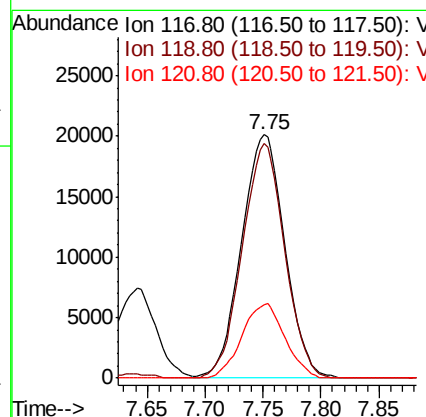
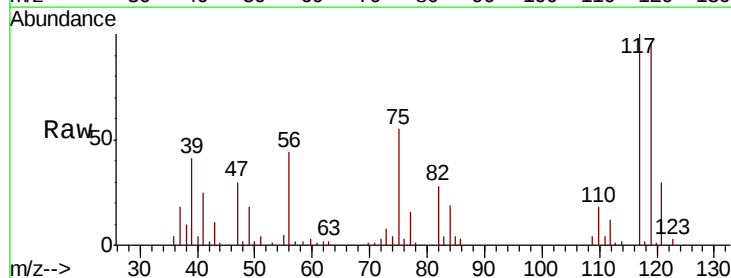
Manual Integrations  
APPROVED

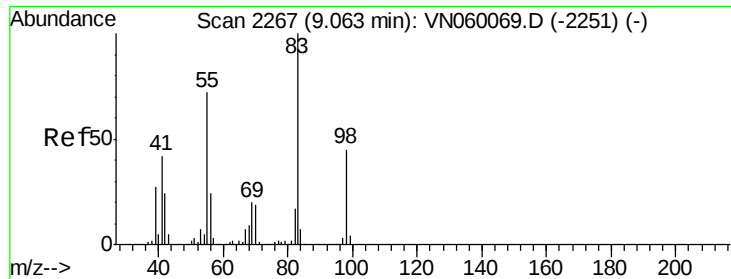
MMDadoda  
2/18/2020 9:30:29 AM



#38  
Carbon Tetrachloride  
Concen: 17.794 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.2  | 78.2  | 117.4 |
| 121     | 30.3  | 24.2  | 36.2  |





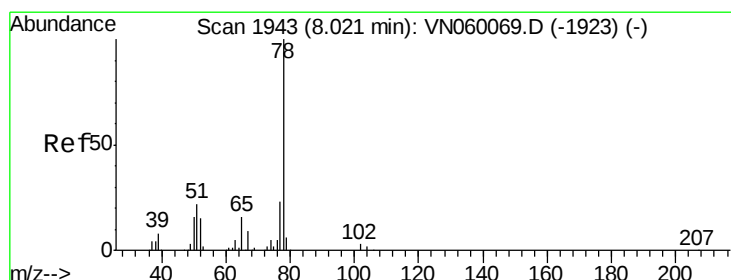
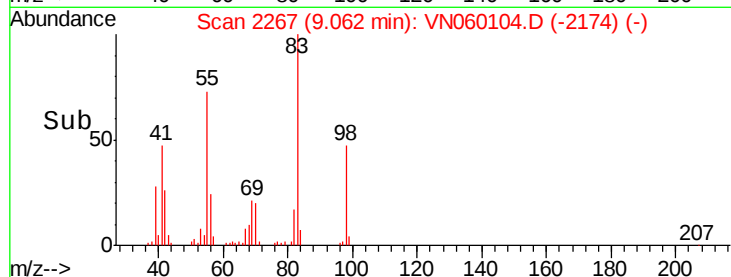
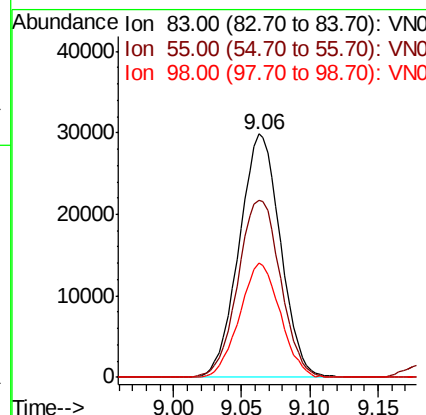
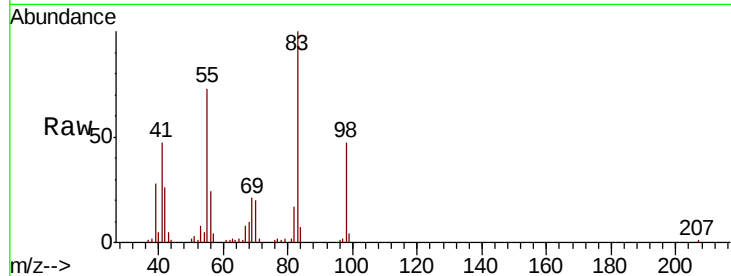
#39  
Methvlcvclohexane  
Concen: 18.681 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 72.7  | 57.8  | 86.8  |
| 98      | 47.2  | 36.4  | 54.6  |

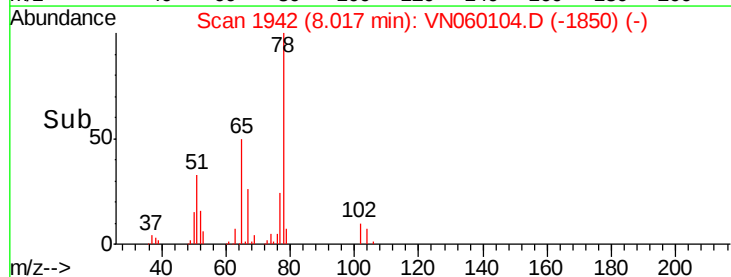
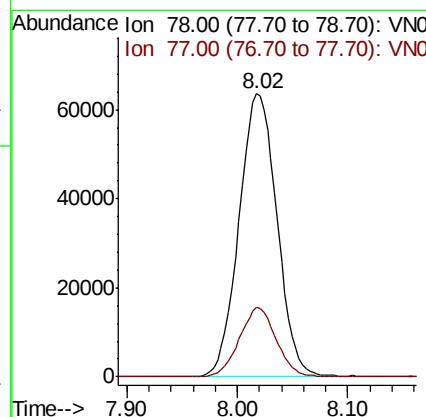
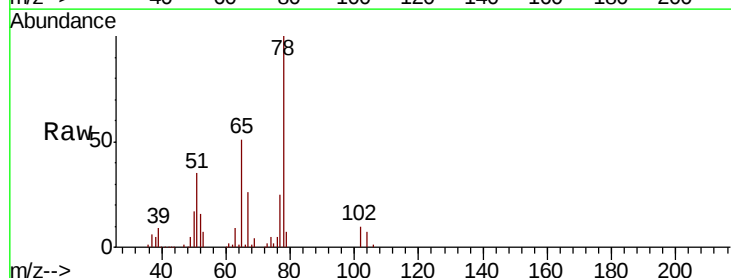
Manual Integrations  
APPROVED

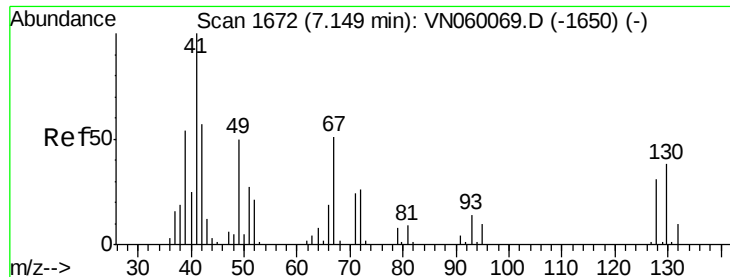
MMDadoda  
2/18/2020 9:30:29 AM



#40  
Benzene  
Concen: 18.912 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.6  | 18.8  | 28.2  |





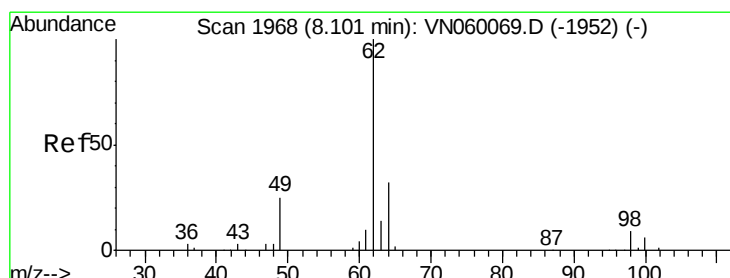
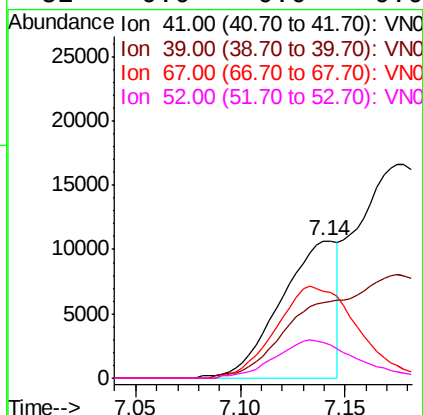
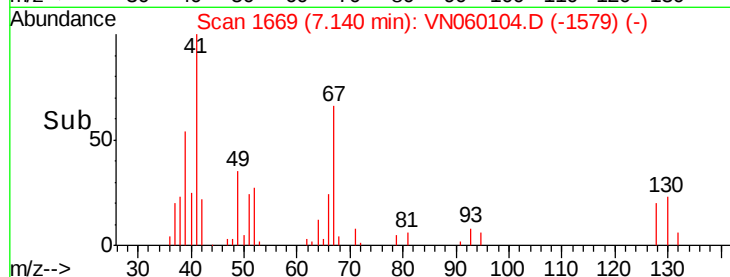
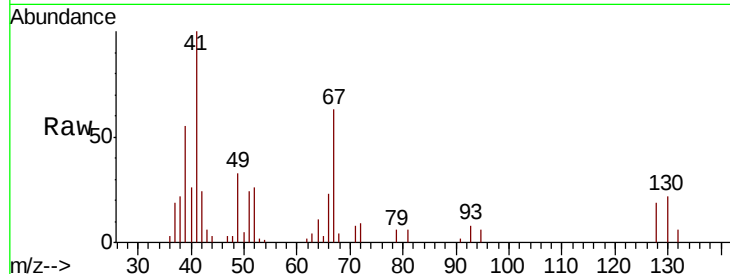
#41  
Methacrylonitrile  
Concen: 19.586 ug/l m  
RT: 7.14 min Scan# 1669  
Delta R.T. -0.01 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 184.7 | 0.0   | 0.0#  |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

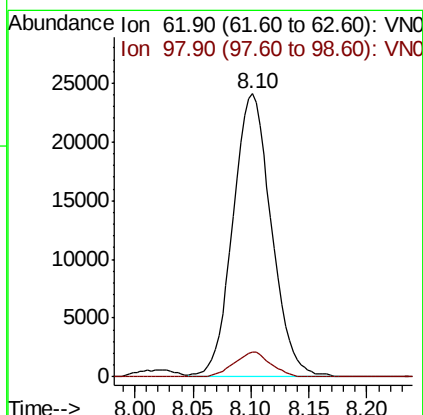
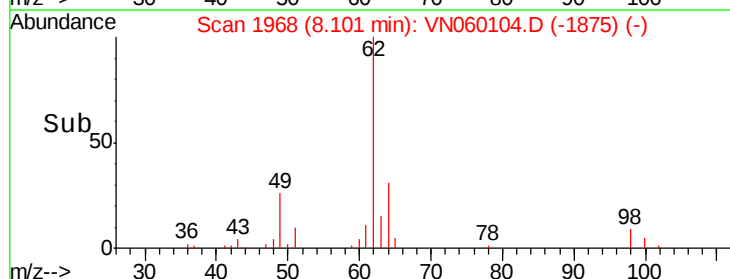
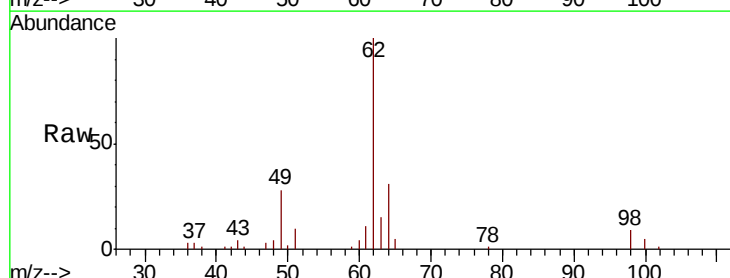
Manual Integrations  
APPROVED

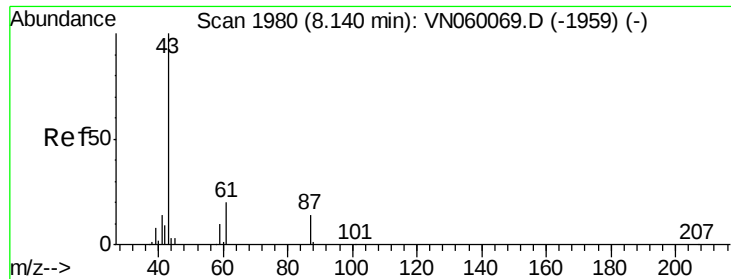
MMDadoda  
2/18/2020 9:30:29 AM



#42  
1,2-Dichloroethane  
Concen: 19.748 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.4   | 0.0   | 18.2  |





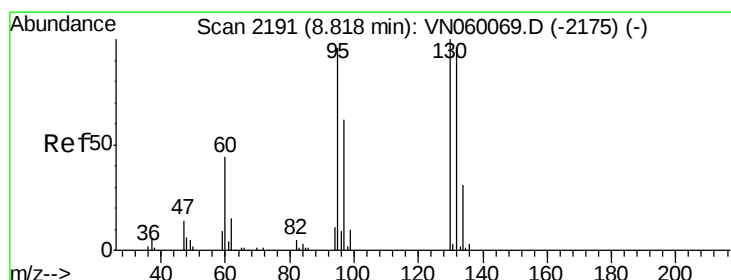
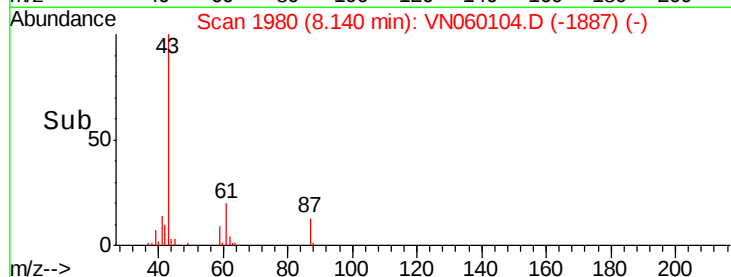
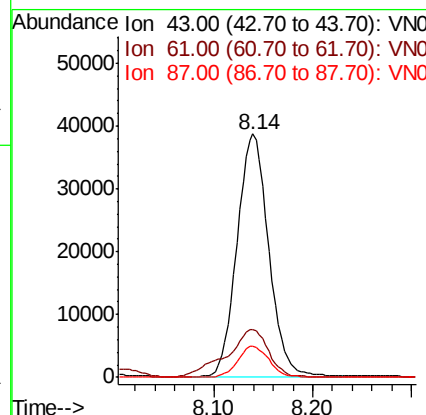
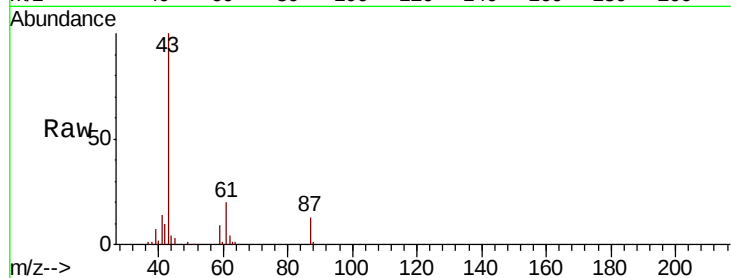
#43  
Isopropyl Acetate  
Concen: 20.719 ug/l  
RT: 8.14 min Scan# 1980  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.1  | 21.8  | 32.6  |
| 87      | 12.4  | 11.4  | 17.2  |

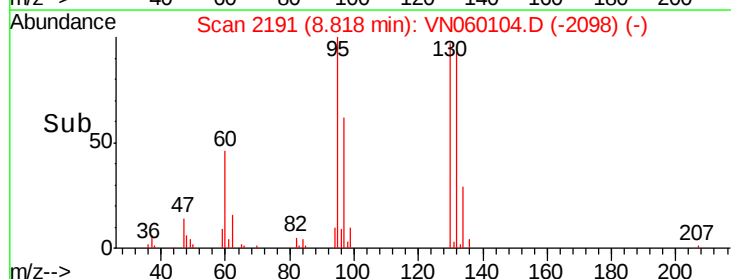
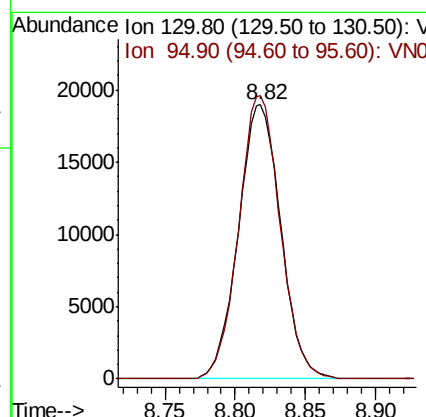
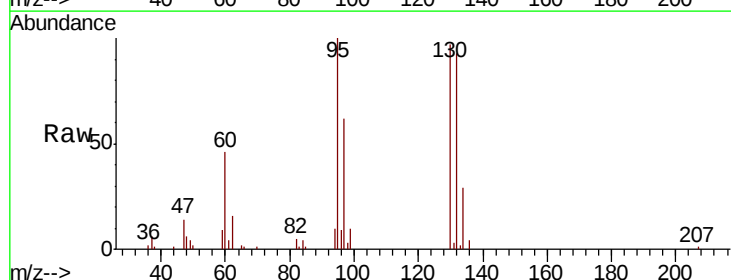
Manual Integrations  
APPROVED

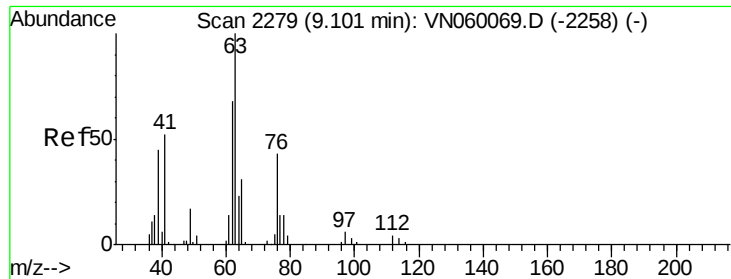
MMDadoda  
2/18/2020 9:30:29 AM



#44  
Trichloroethene  
Concen: 17.973 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 103.3 | 0.0   | 192.4 |





#45

1,2-Dichloropropane

Concen: 20.180 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN0214MBSD01

Tot Ion: 63 Resp: 40091

Ion Ratio Lower Upper

63 100

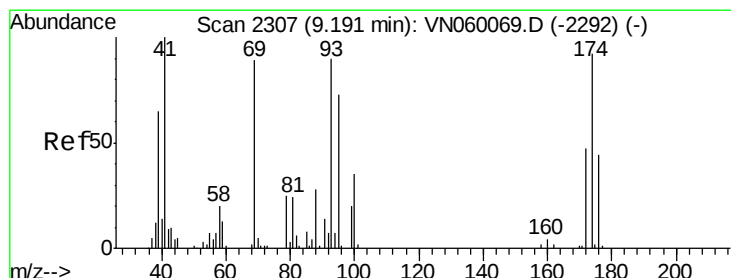
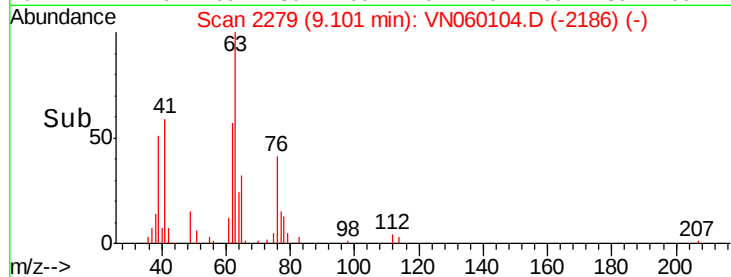
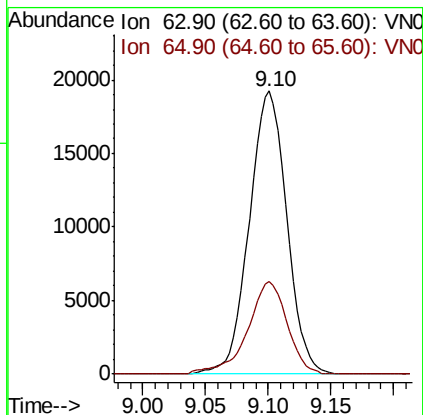
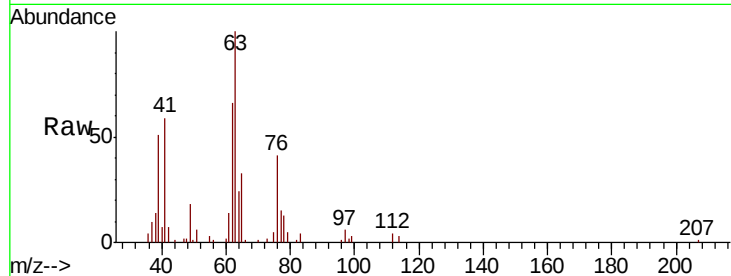
65 32.7 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 19.119 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

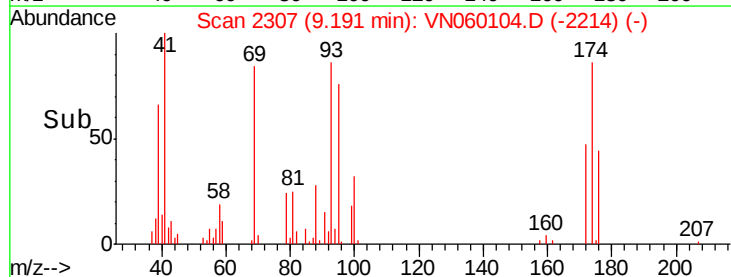
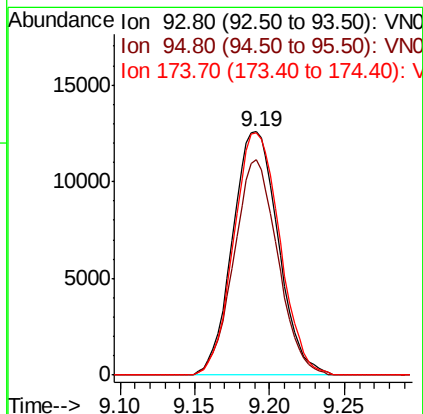
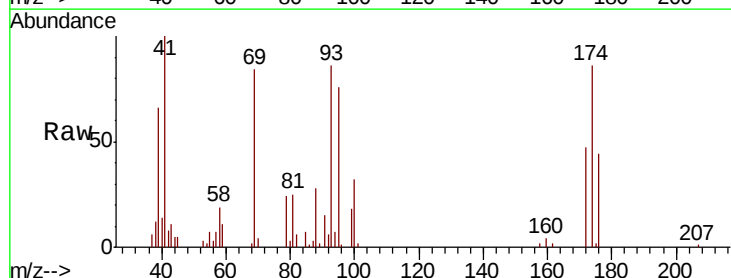
Tgt Ion: 93 Resp: 26842

Ion Ratio Lower Upper

93 100

95 84.7 65.0 97.6

174 99.9 82.3 123.5





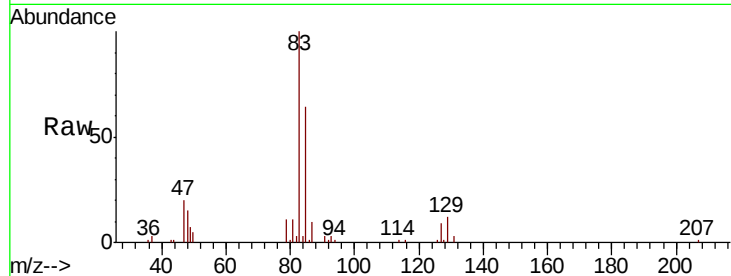
#47  
Bromodichloromethane  
Concen: 19.000 ug/l  
RT: 9.39 min Scan# 2368  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

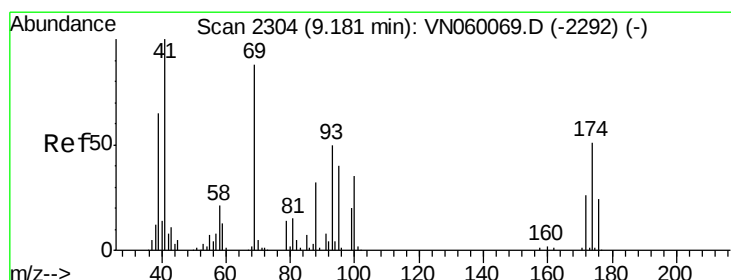
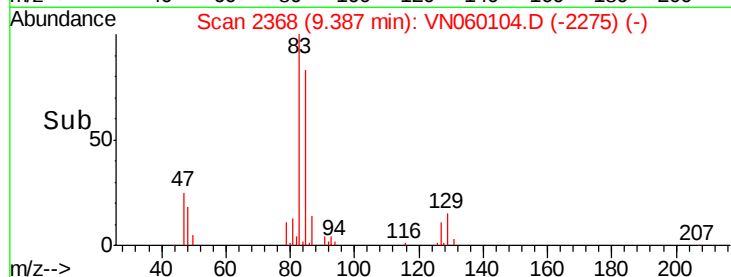
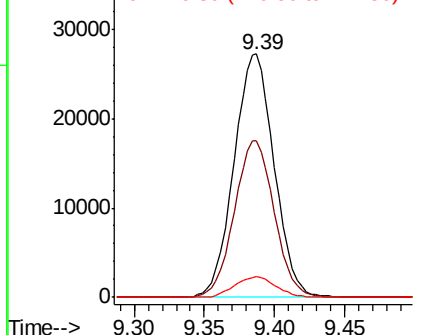
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.1  | 50.6  | 75.8  |
| 127     | 8.6   | 7.0   | 10.6  |

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2/18/2020 9:30:29 AM



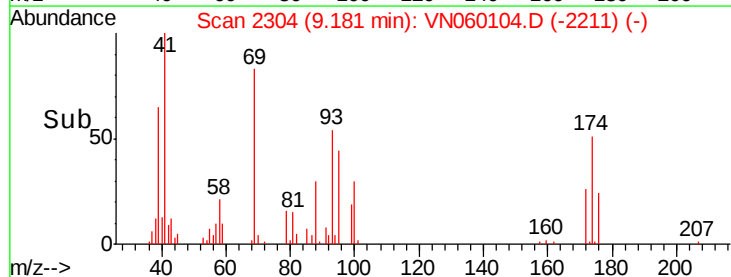
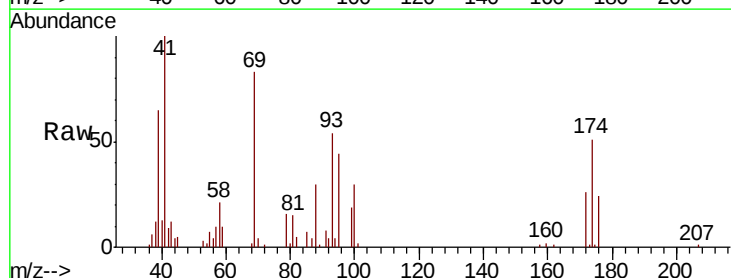
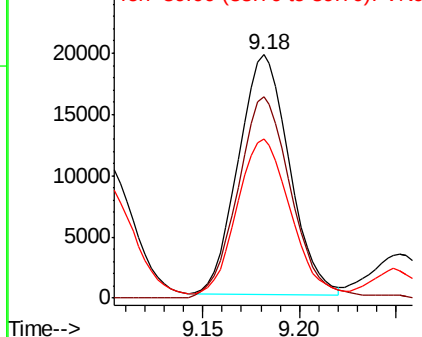
Abundance Ion 82.90 (82.60 to 83.60): VN060104.D (-2275) (-)  
Ion 84.90 (84.60 to 85.60): VN060104.D (-2275) (-)  
Ion 126.80 (126.50 to 127.50): VN060104.D (-2275) (-)

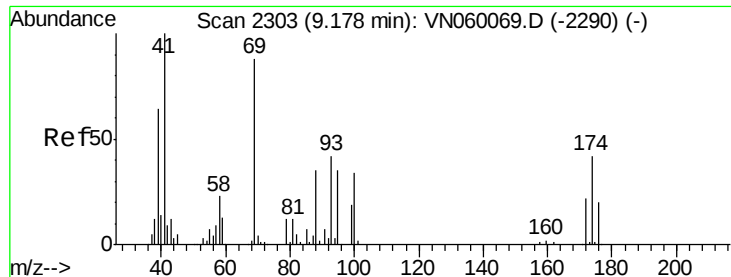


#48  
Methyl methacrylate  
Concen: 19.078 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 88.9  | 72.0  | 108.0 |
| 39      | 70.9  | 54.1  | 81.1  |

Abundance Ion 41.00 (40.70 to 41.70): VN060104.D (-2211) (-)  
Ion 69.00 (68.70 to 69.70): VN060104.D (-2211) (-)  
Ion 39.00 (38.70 to 39.70): VN060104.D (-2211) (-)





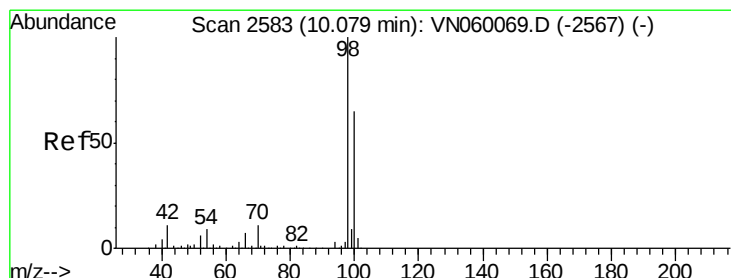
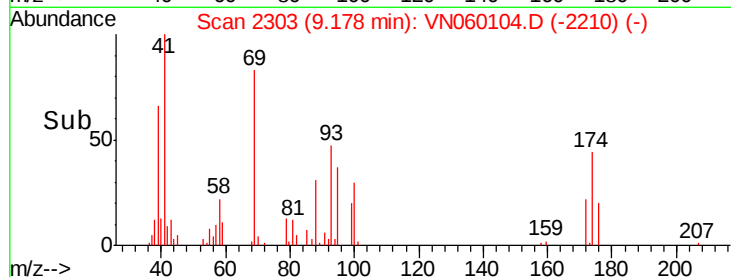
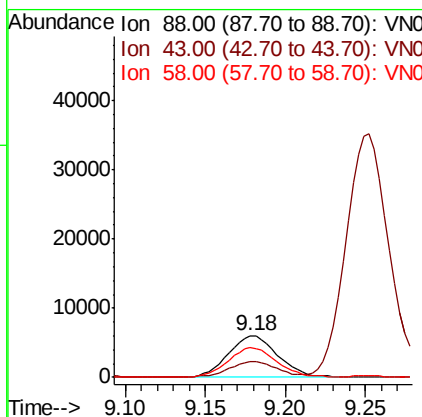
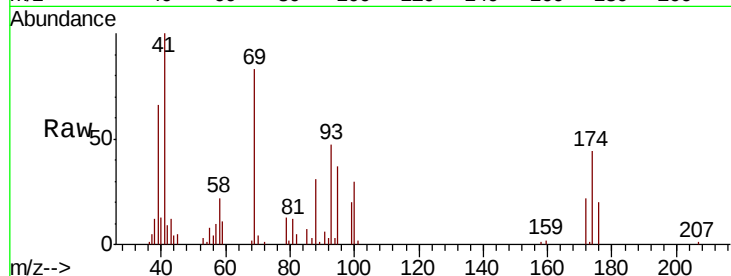
#49  
1,4-Dioxane  
Concen: 393.414 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.3  | 26.2  | 39.2  |
| 58      | 70.1  | 53.2  | 79.8  |

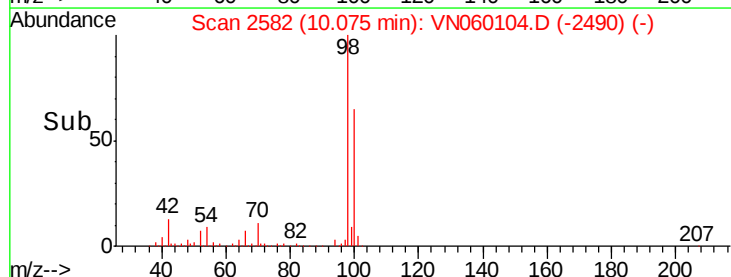
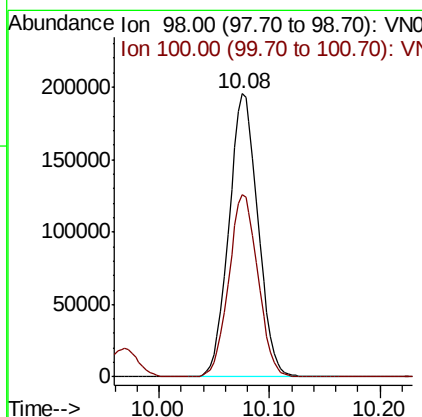
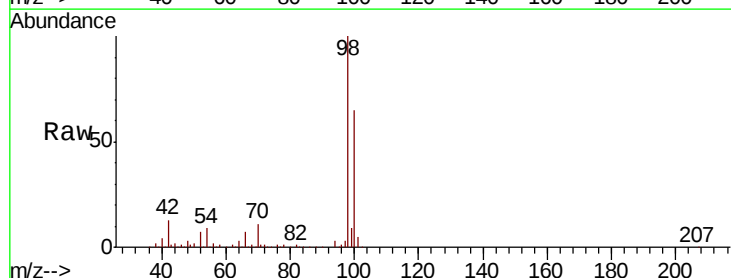
Manual Integrations  
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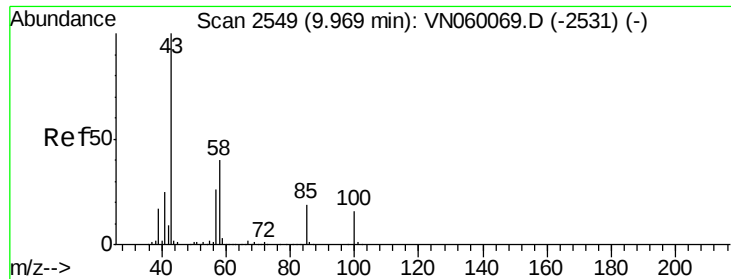
MMDadoda  
2/18/2020 9:30:29 AM



#50  
Toluene-d8  
Concen: 50.469 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.6  | 51.7  | 77.5  |





#51

4-Methyl-2-Pentanone

Concen: 101.545 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN0214MBSD01

Tot Ion: 43 Resp: 245638

Ion Ratio Lower Upper

43 100

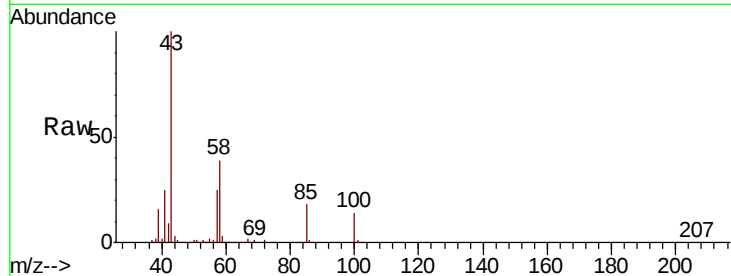
58 38.9 31.8 47.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

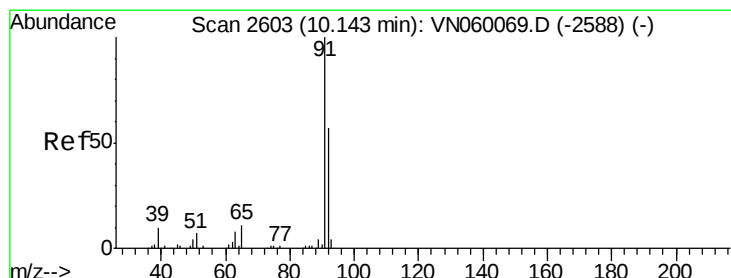
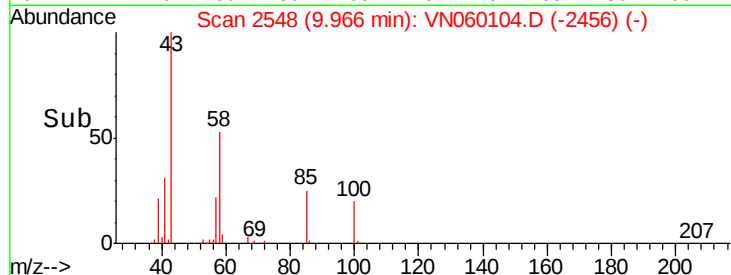
9.97

100000

50000

0

Time-->



#52

Toluene

Concen: 18.502 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060104.D

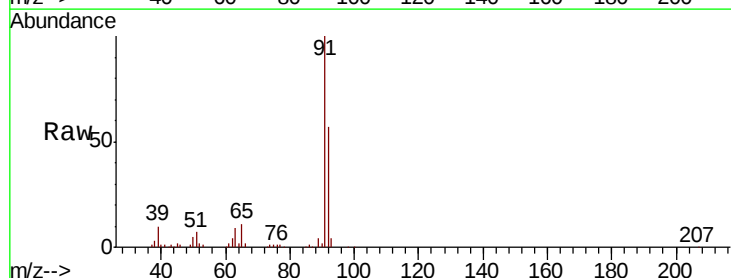
Acq: 14 Feb 2020 12:40

Tgt Ion: 92 Resp: 95208

Ion Ratio Lower Upper

92 100

91 175.3 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

10.14

80000

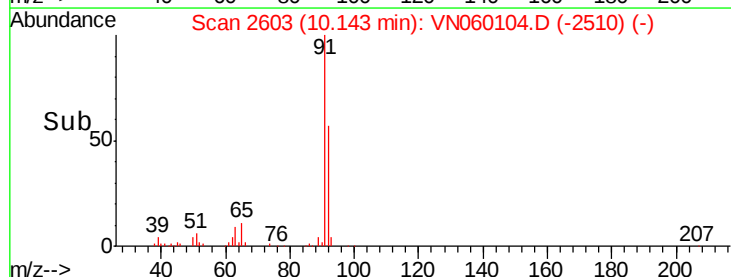
60000

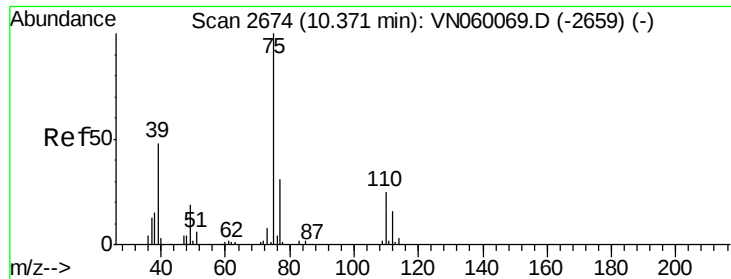
40000

20000

0

Time-->





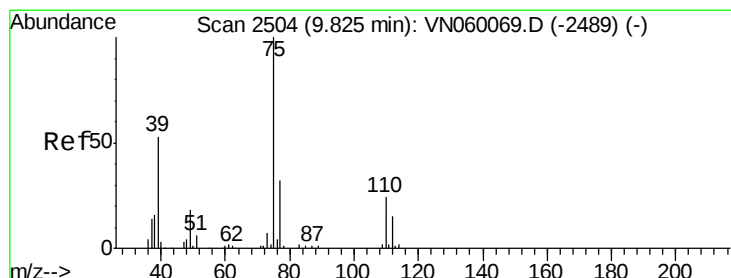
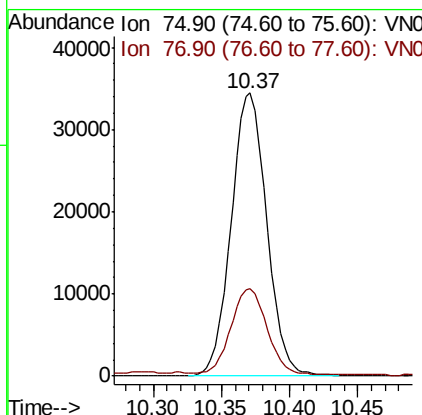
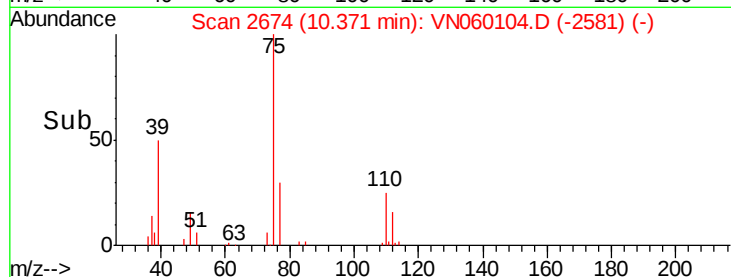
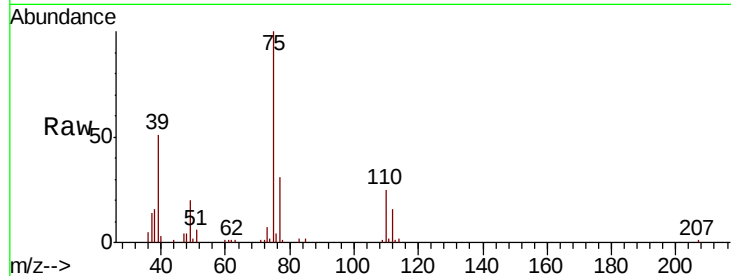
#53  
t-1,3-Dichloropropene  
Concen: 19.351 ug/l  
RT: 10.37 min Scan# 2674  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

Tot Ion: 75 Resp: 62346  
Ion Ratio Lower Upper  
75 100  
77 30.3 25.4 38.0

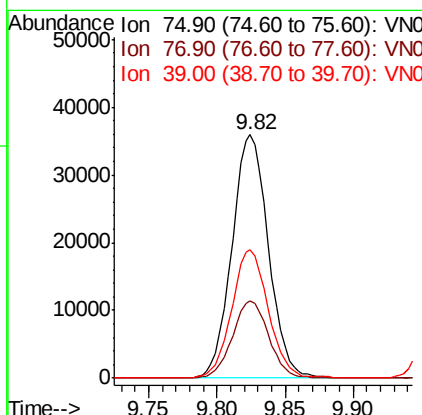
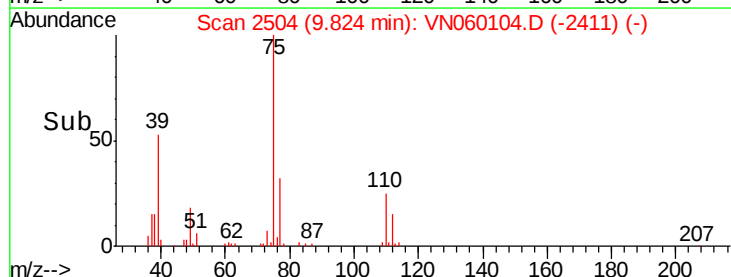
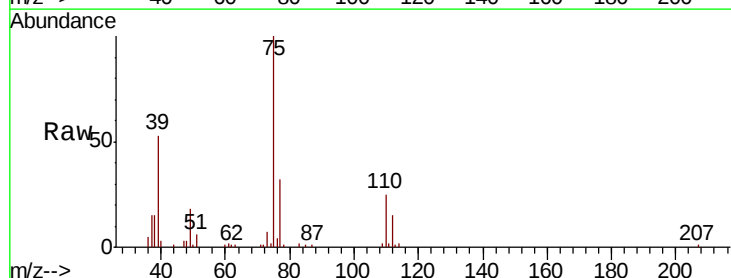
Manual Integrations  
APPROVED

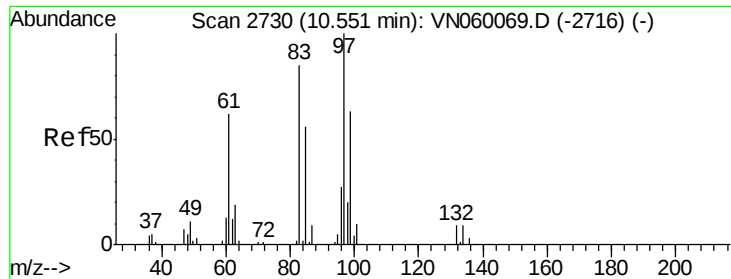
MMDadoda  
2/18/2020 9:30:29 AM



#54  
cis-1,3-Dichloropropene  
Concen: 19.626 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Tgt Ion: 75 Resp: 66583  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.6 38.4  
39 52.5 42.2 63.4





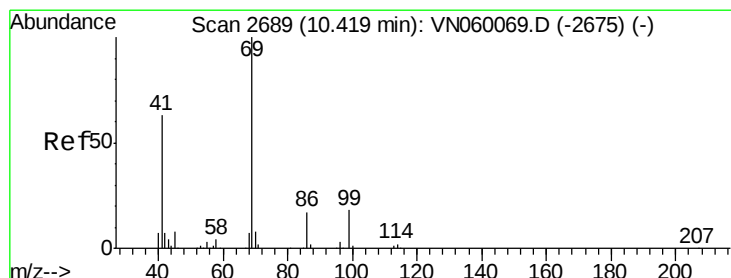
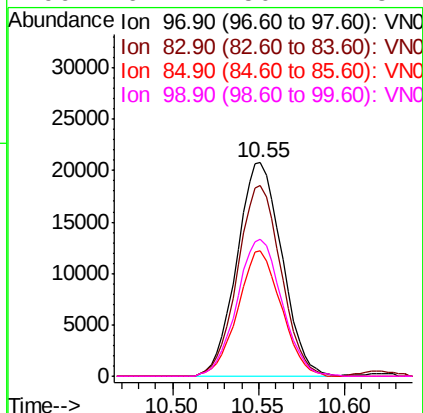
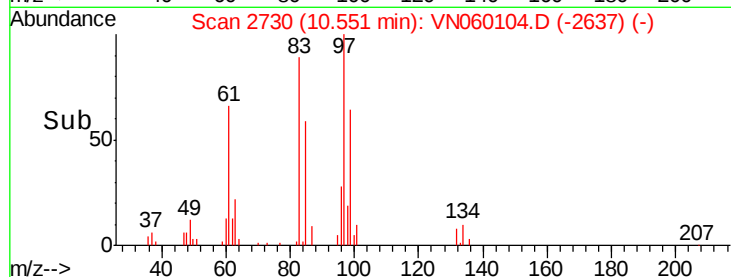
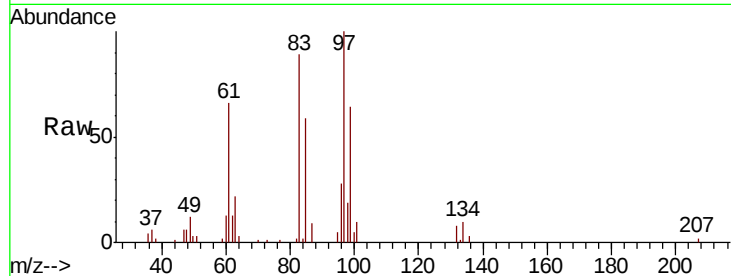
#55  
 1,1,2-Trichloroethane  
 Concen: 18.802 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. -0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 89.1  | 67.9  | 101.9 |
| 85      | 58.8  | 44.6  | 67.0  |
| 99      | 64.1  | 50.1  | 75.1  |

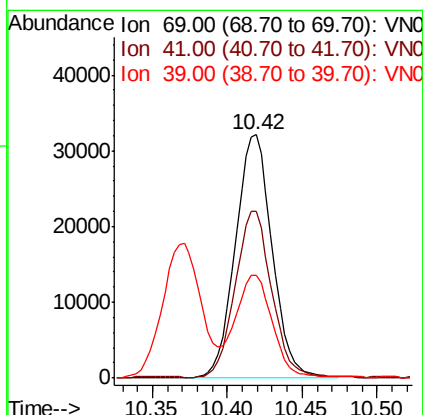
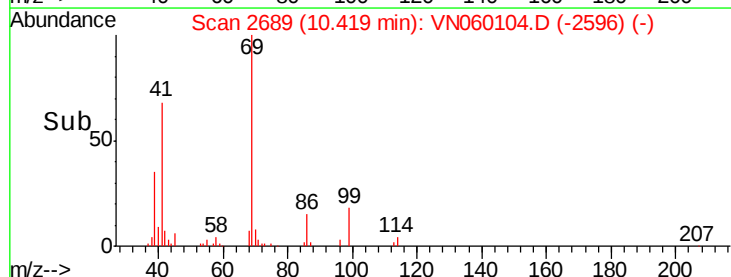
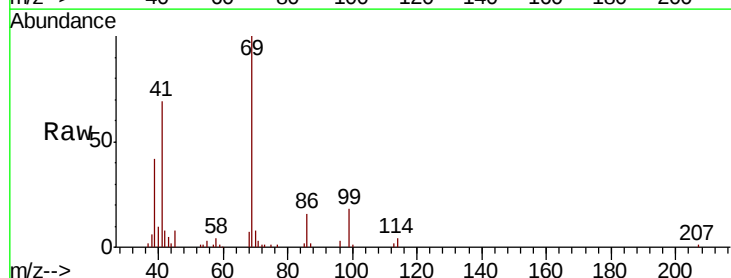
Manual Integrations  
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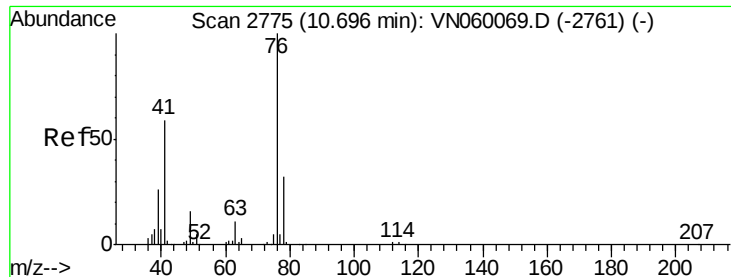
MMDadoda  
 2/18/2020 9:30:29 AM



#56  
 Ethyl methacrylate  
 Concen: 19.354 ug/l  
 RT: 10.42 min Scan# 2689  
 Delta R.T. -0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 69.0  | 51.1  | 76.7  |
| 39      | 42.3  | 33.8  | 50.8  |





#57

1,3-Dichloropropane

Concen: 19.246 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN0214MBSD01

Tot Ion: 76 Resp: 63754

Ion Ratio Lower Upper

76 100

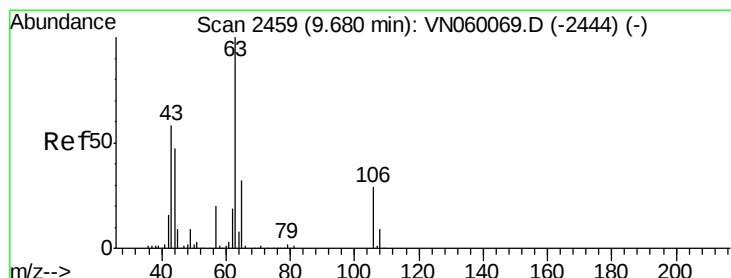
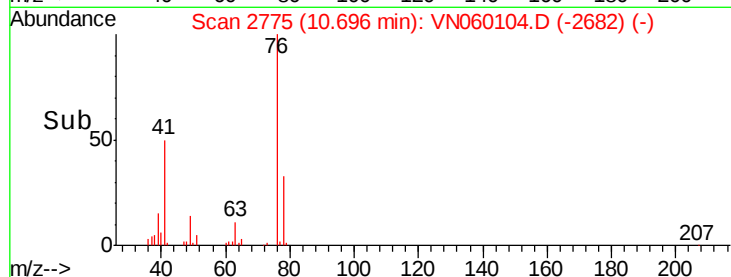
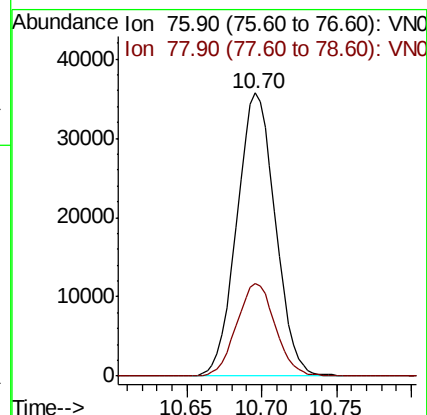
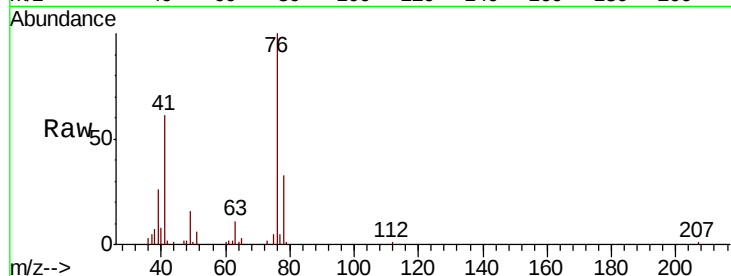
78 32.8 25.7 38.5

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2/18/2020 9:30:29 AM



#58

2-Chloroethyl Vinyl ether

Concen: 103.797 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060104.D

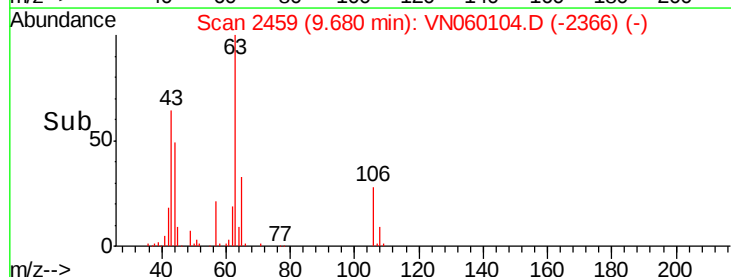
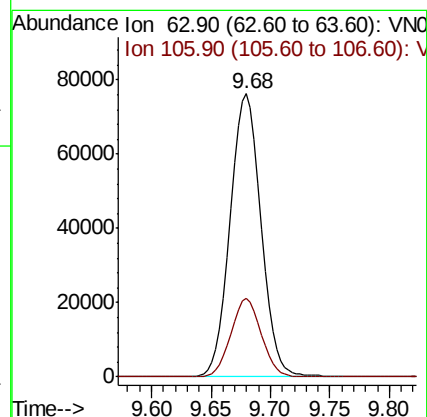
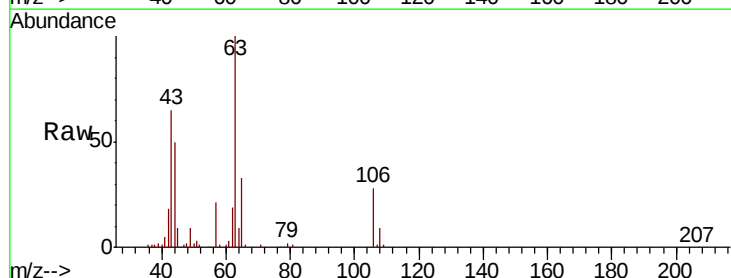
Acq: 14 Feb 2020 12:40

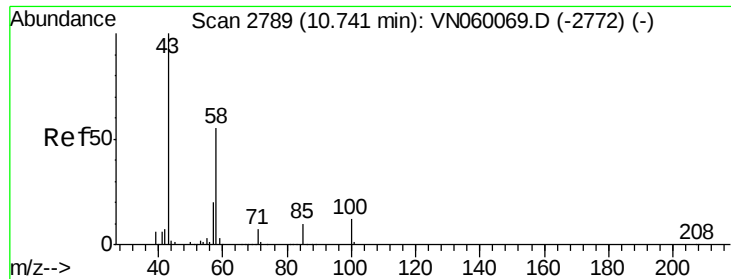
Tgt Ion: 63 Resp: 137324

Ion Ratio Lower Upper

63 100

106 27.3 22.9 34.3





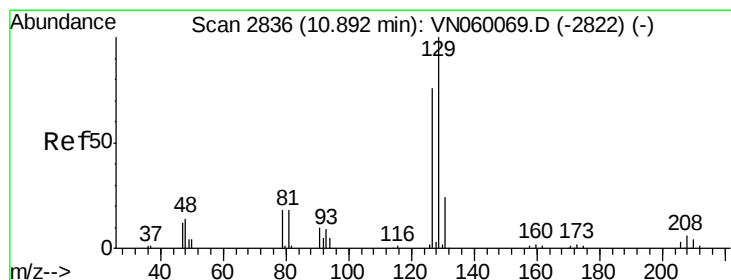
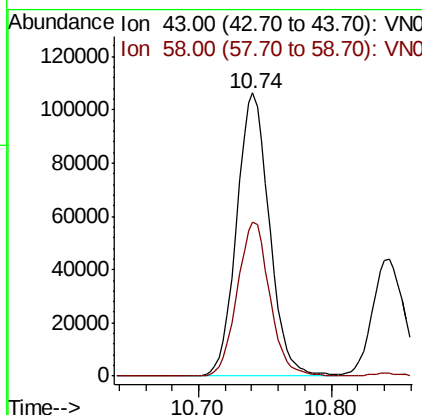
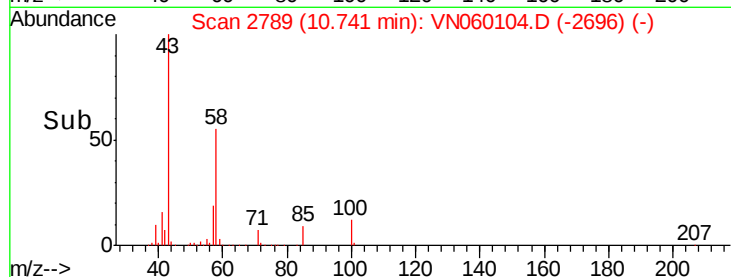
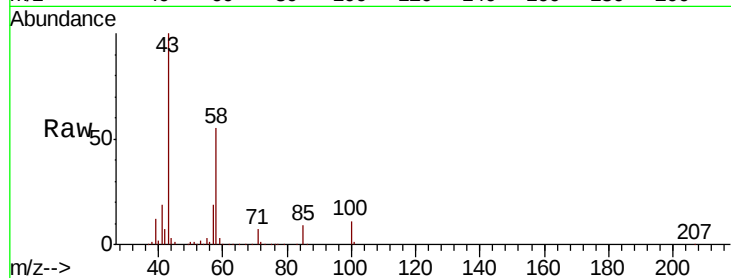
#59  
2-Hexanone  
Concen: 97.458 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

Tot Ion: 43 Resp: 182112  
Ion Ratio Lower Upper  
43 100  
58 54.2 27.5 82.4

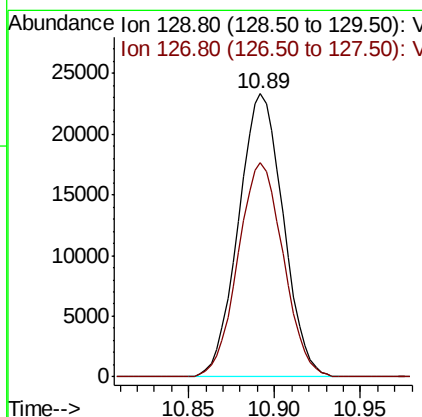
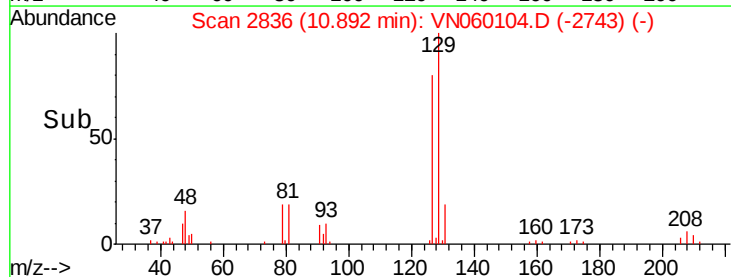
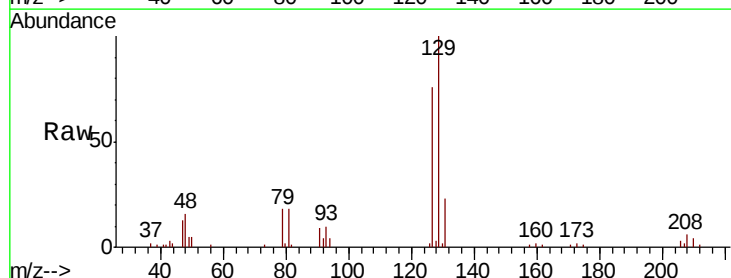
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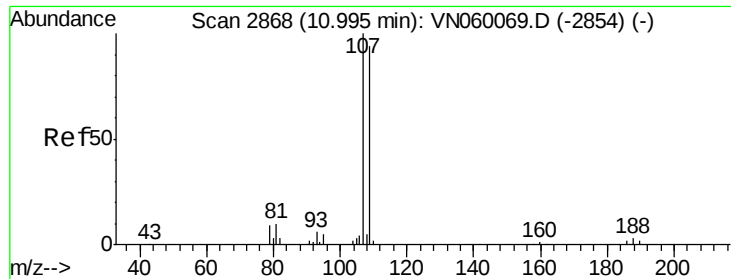
MMDadoda  
2/18/2020 9:30:29 AM



#60  
Dibromochloromethane  
Concen: 18.309 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Tgt Ion: 129 Resp: 42179  
Ion Ratio Lower Upper  
129 100  
127 76.5 38.0 114.1





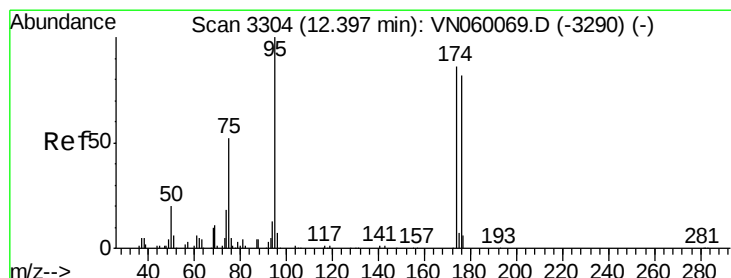
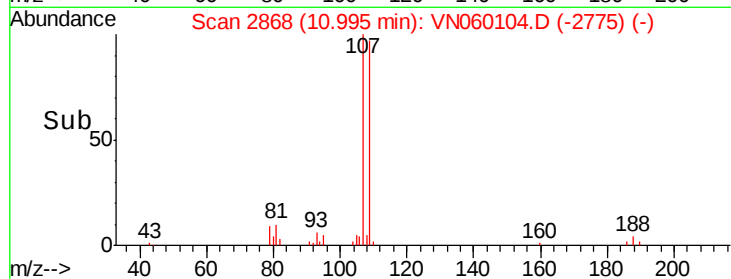
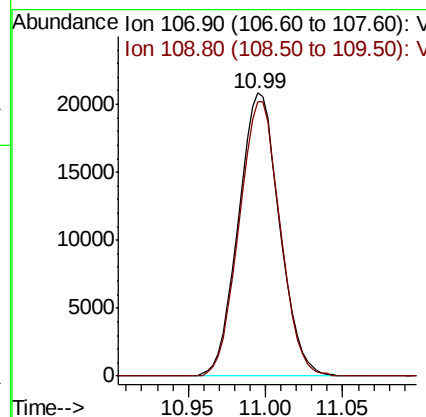
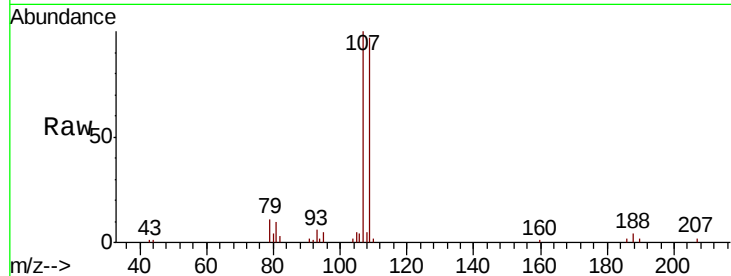
#61  
 1,2-Dibromoethane  
 Concen: 18.278 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0214MBSD01

Tot Ion: 107 Resp: 38464  
 Ion Ratio Lower Upper  
 107 100  
 109 96.4 75.4 113.0

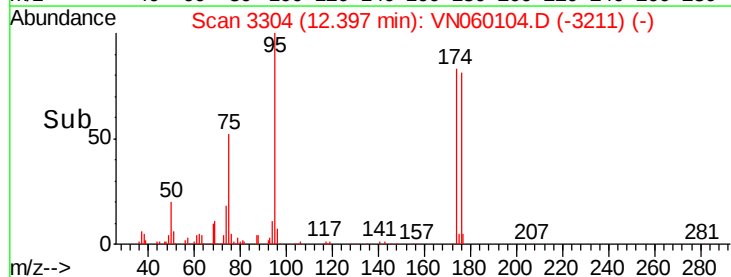
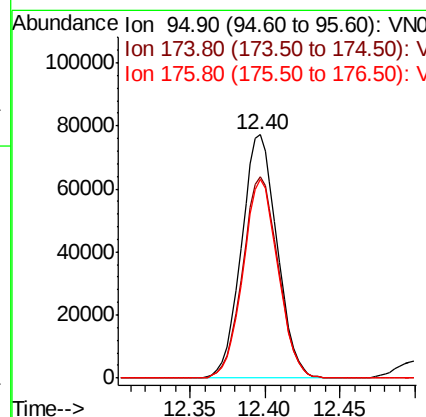
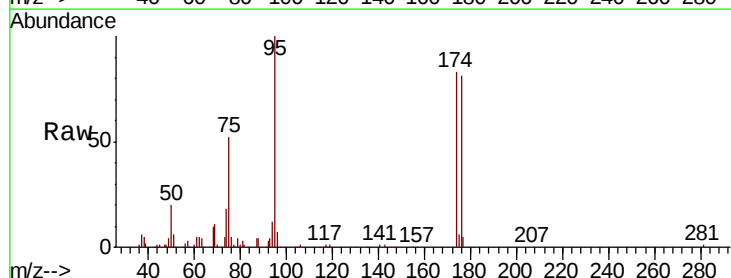
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 2/18/2020 9:30:29 AM



#62  
 4-Bromofluorobenzene  
 Concen: 49.326 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. -0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

Tgt Ion: 95 Resp: 128138  
 Ion Ratio Lower Upper  
 95 100  
 174 82.6 0.0 169.8  
 176 80.1 0.0 164.8





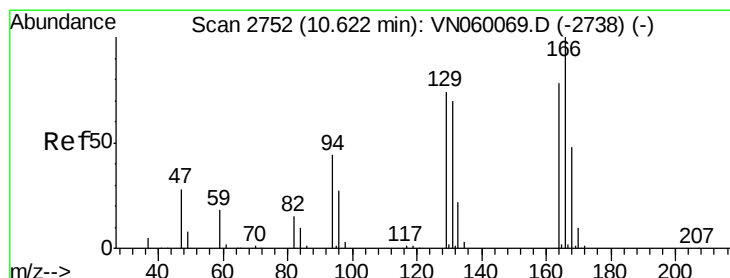
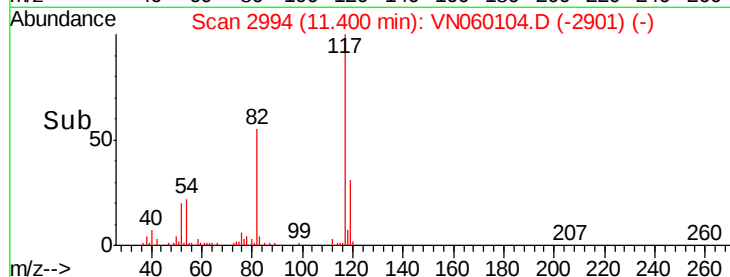
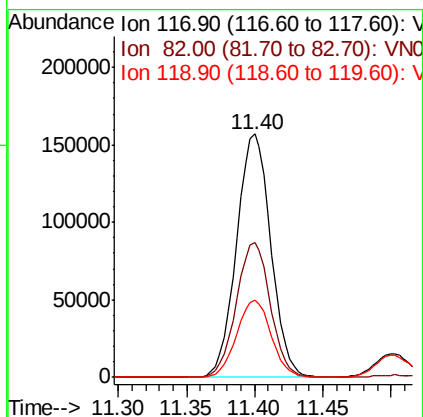
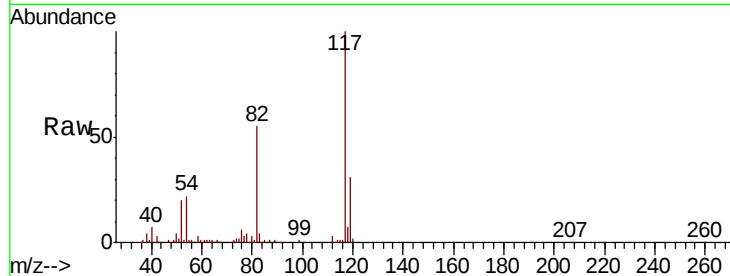
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.4  | 43.4  | 65.0  |
| 119     | 31.5  | 25.8  | 38.6  |

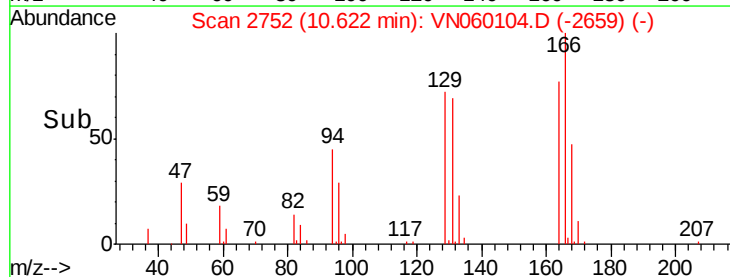
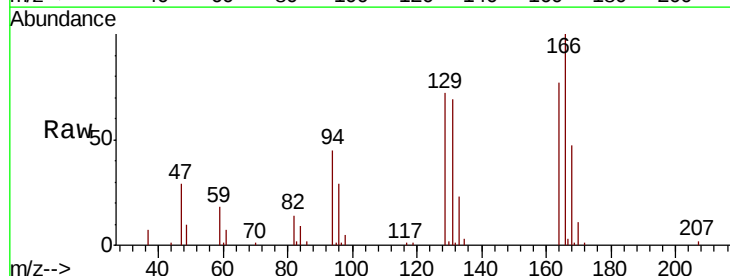
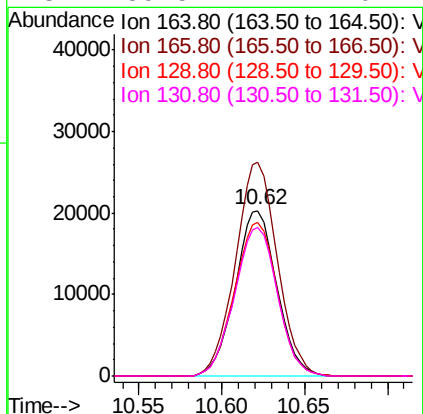
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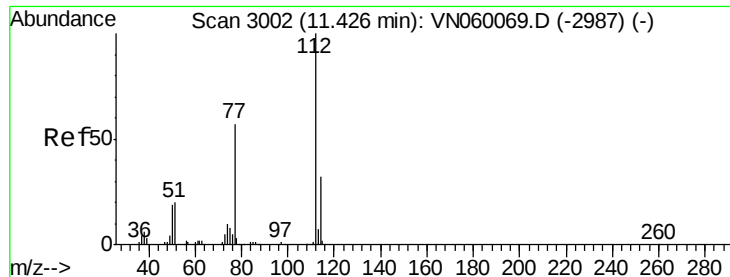
MMDadoda  
2/18/2020 9:30:29 AM



#64  
Tetrachloroethene  
Concen: 16.997 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.2 | 101.9 | 152.9 |
| 129     | 92.9  | 75.4  | 113.0 |
| 131     | 89.5  | 71.4  | 107.2 |





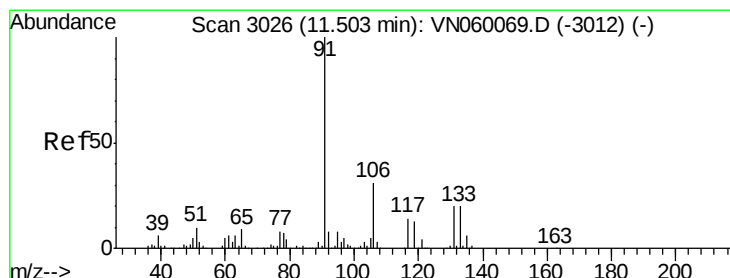
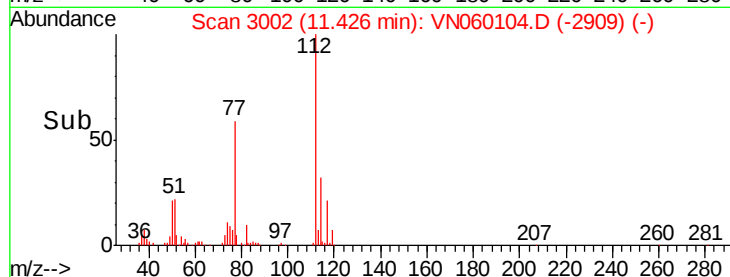
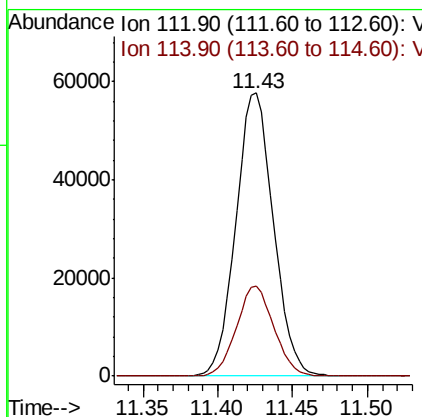
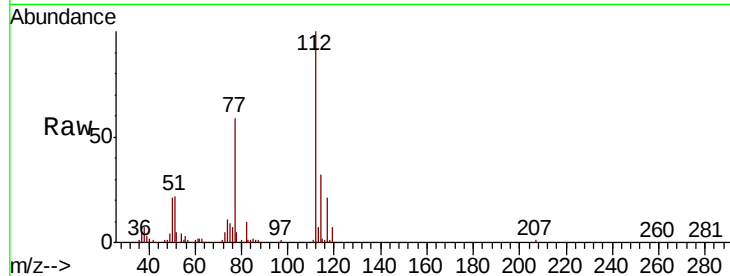
#65  
Chlorobenzene  
Concen: 18.050 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

Tot Ion:112 Resp: 100807  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.4 38.0

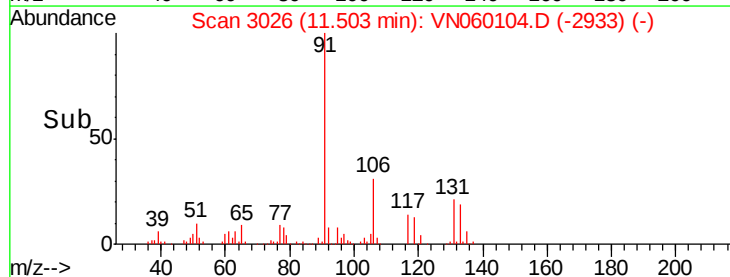
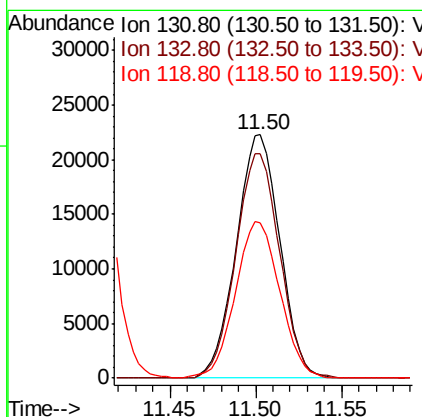
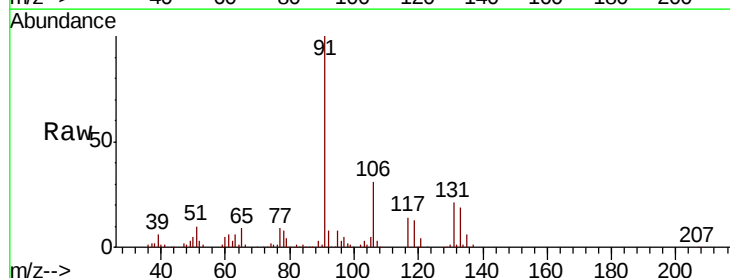
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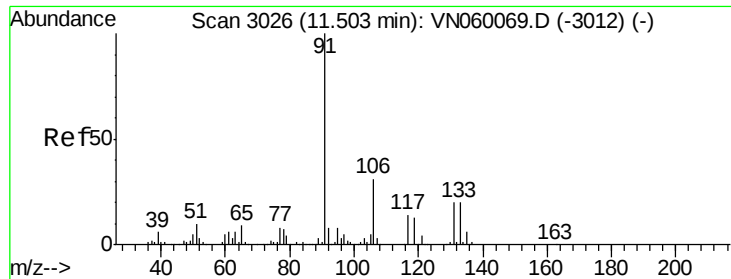
MMDadoda  
2/18/2020 9:30:29 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.541 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Tgt Ion:131 Resp: 39173  
Ion Ratio Lower Upper  
131 100  
133 93.0 47.9 143.7  
119 65.5 32.6 97.7





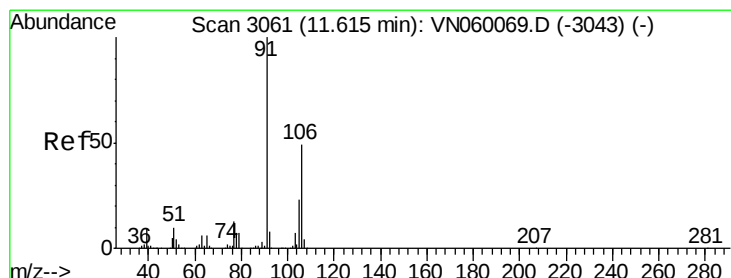
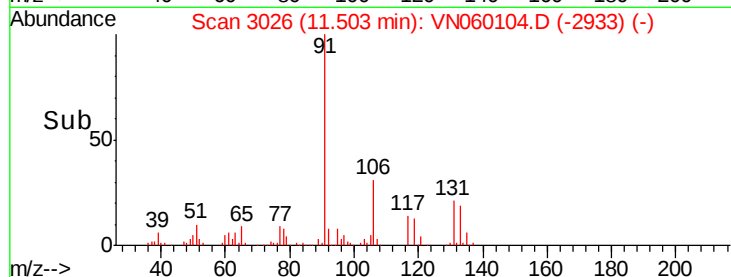
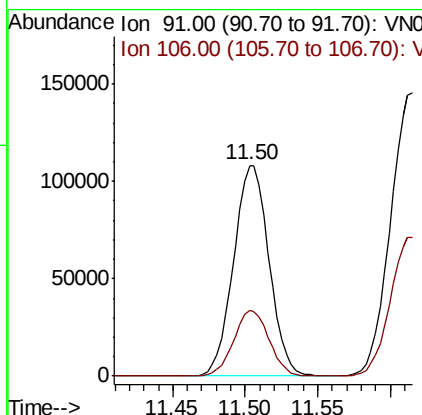
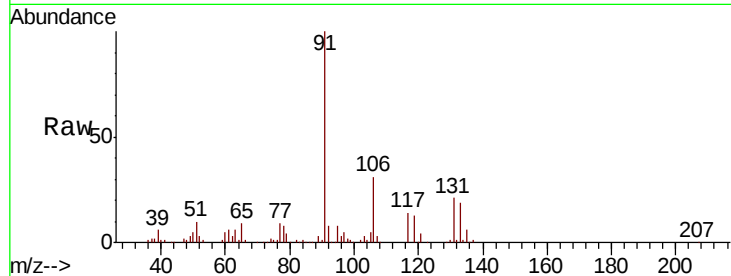
#67  
Ethyl Benzene  
Concen: 18.238 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

Tot Ion: 91 Resp: 183707  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.1 37.7

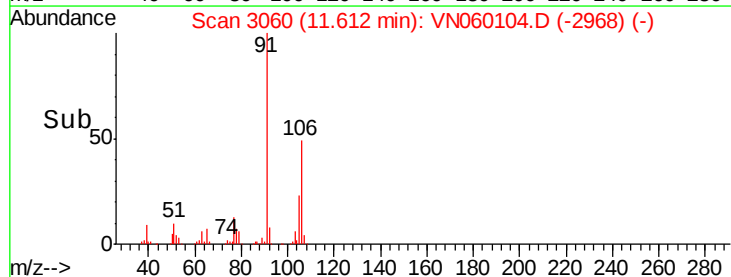
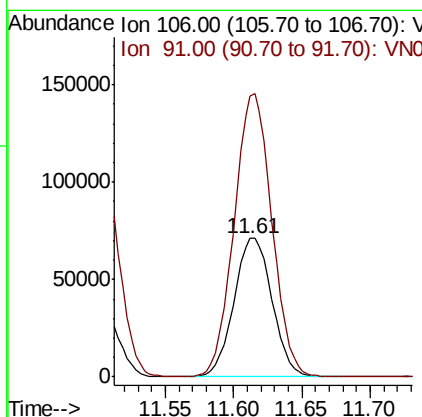
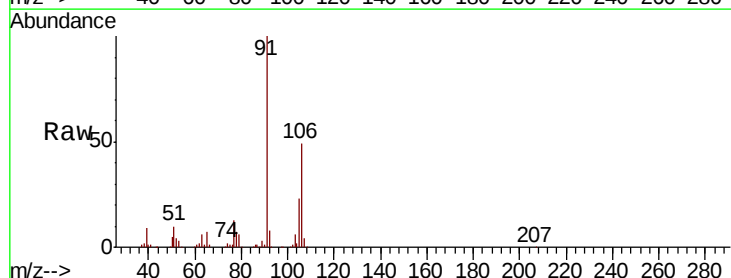
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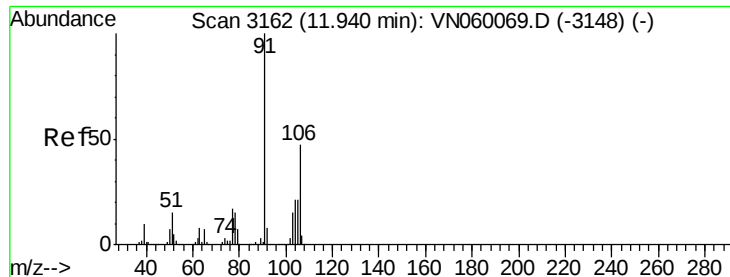
MMDadoda  
2/18/2020 9:30:29 AM



#68  
m/p-Xylenes  
Concen: 36.493 ug/l  
RT: 11.61 min Scan# 3060  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Tgt Ion: 106 Resp: 137962  
Ion Ratio Lower Upper  
106 100  
91 201.5 162.7 244.1





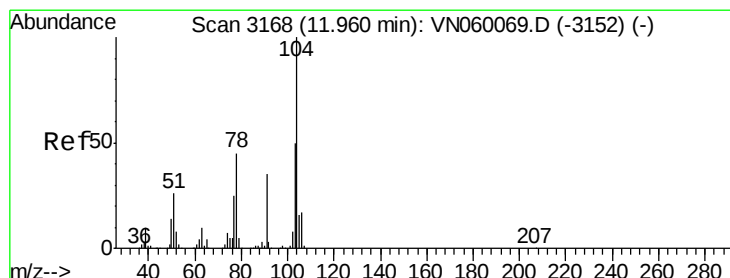
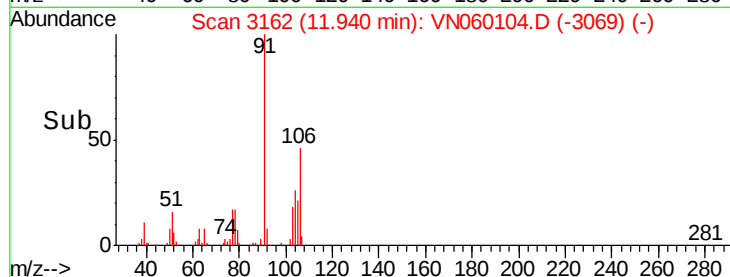
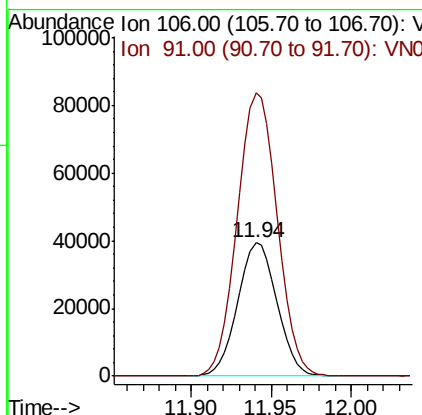
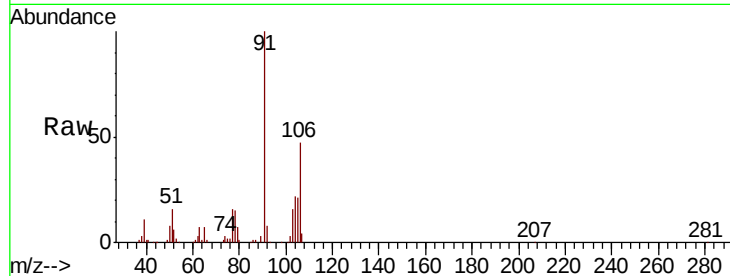
#69  
o-Xylene  
Concen: 18.094 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

Tot Ion:106 Resp: 65863  
Ion Ratio Lower Upper  
106 100  
91 216.1 107.2 321.6

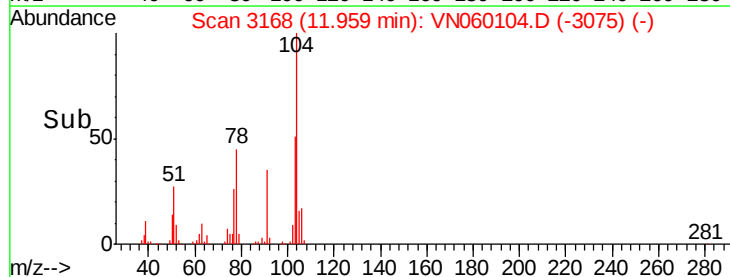
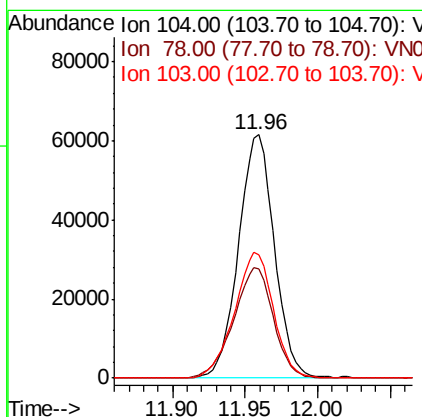
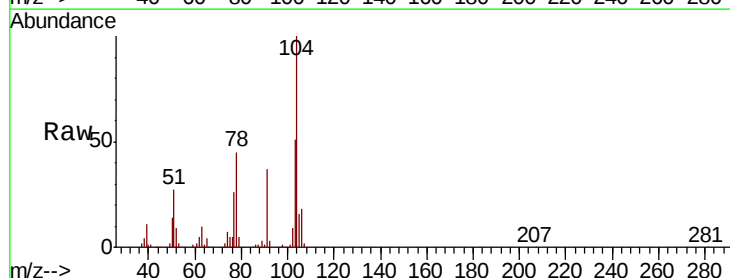
Manual Integrations  
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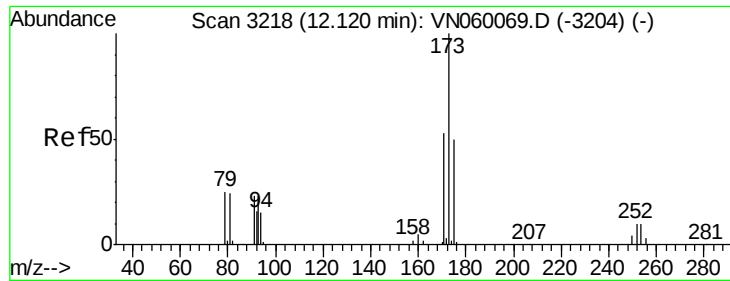
MMDadoda  
2/18/2020 9:30:29 AM



#70  
Styrene  
Concen: 18.083 ug/l  
RT: 11.96 min Scan# 3168  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Tgt Ion:104 Resp: 106142  
Ion Ratio Lower Upper  
104 100  
78 50.0 40.2 60.2  
103 55.9 44.3 66.5





#71

Bromoform

Concen: 17.442 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

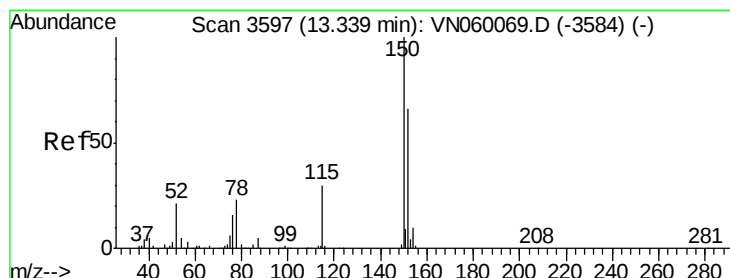
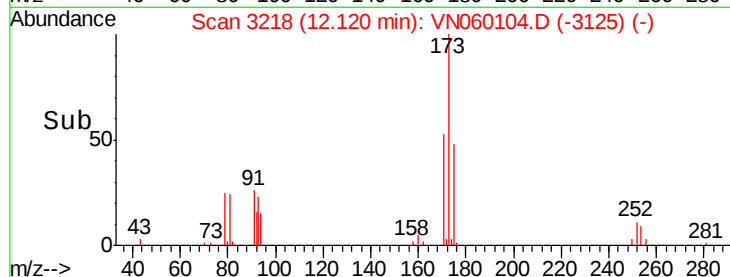
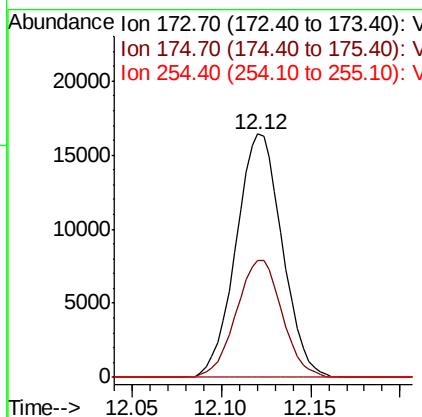
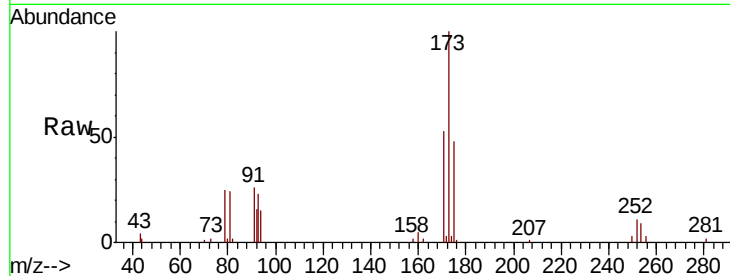
ClientSampleId :

VN0214MBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 29639 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 47.9  | 24.9  | 74.6  |
| 254       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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2/18/2020 9:30:29 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

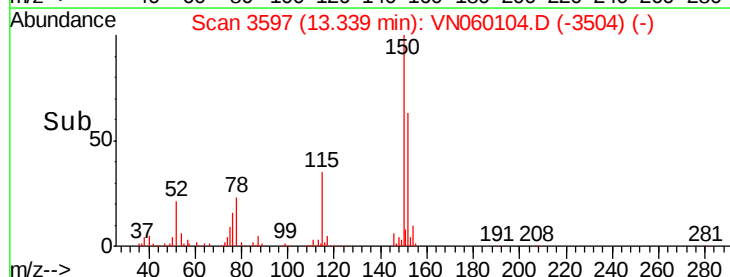
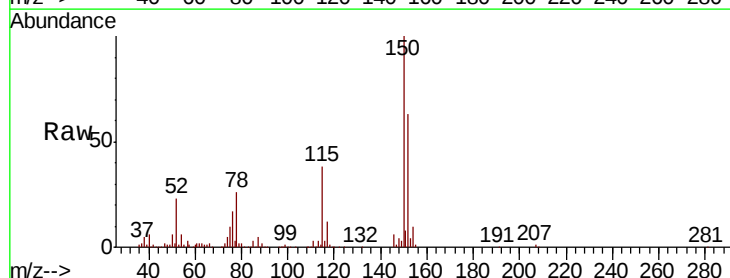
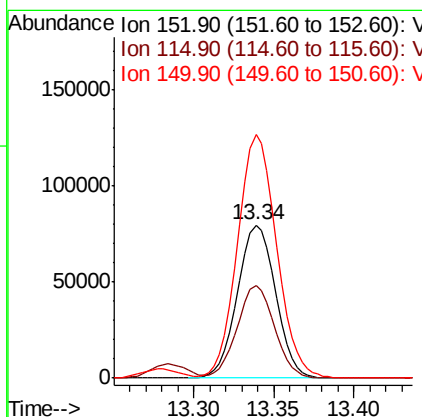
RT: 13.34 min Scan# 3597

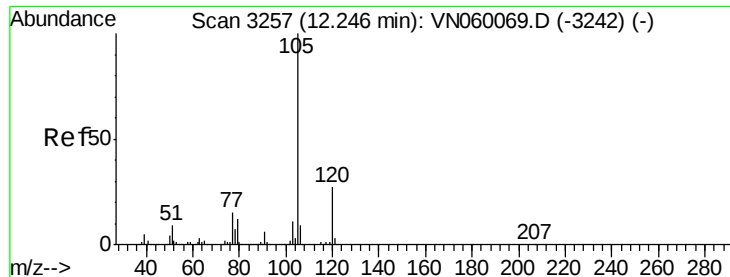
Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 129232 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 59.5  | 28.9  | 86.8   |
| 150       | 163.4 | 0.0   | 342.4  |





#73

Isopropylbenzene

Concen: 18.652 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN0214MBSD01

Tot Ion: 105 Resp: 180001

Ion Ratio Lower Upper

105 100

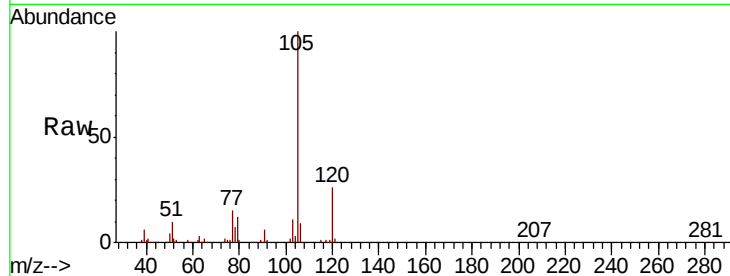
120 26.0 13.3 39.8

Manual Integrations

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MMDadoda

2/18/2020 9:30:29 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

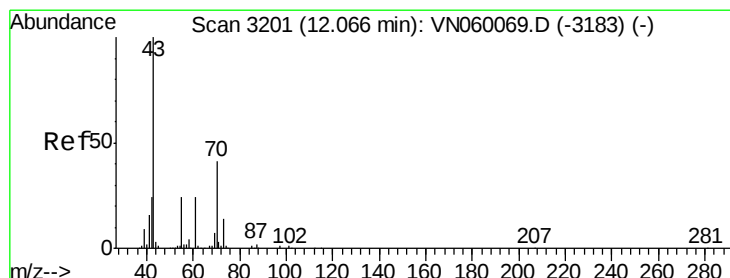
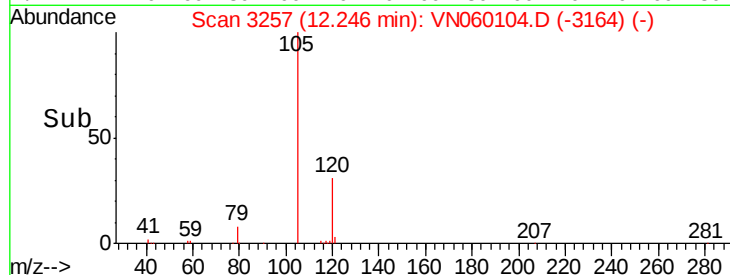
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 20.875 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Tgt Ion: 43 Resp: 72643

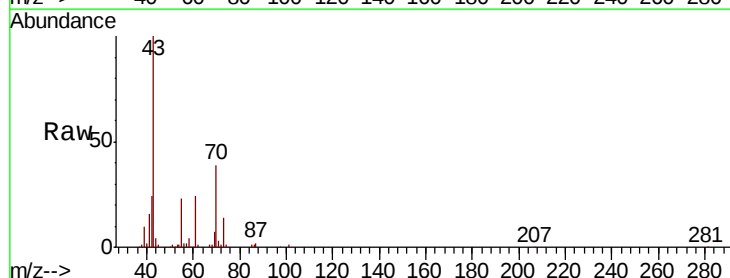
Ion Ratio Lower Upper

43 100

70 39.3 33.4 50.0

55 23.4 18.8 28.2

61 23.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

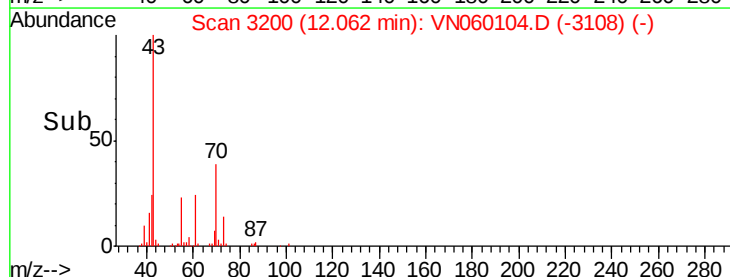
60000

40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.686 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

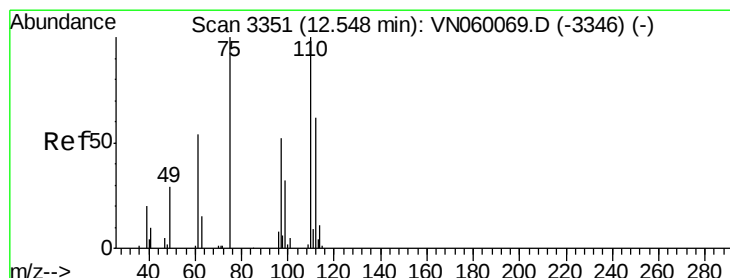
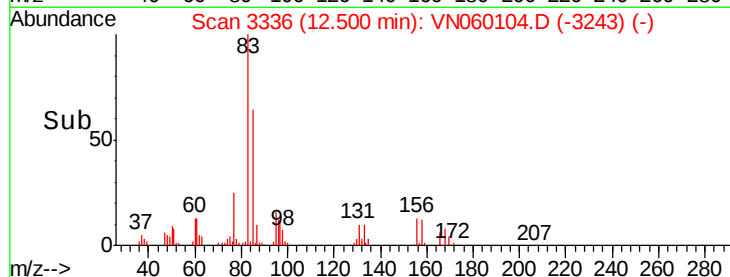
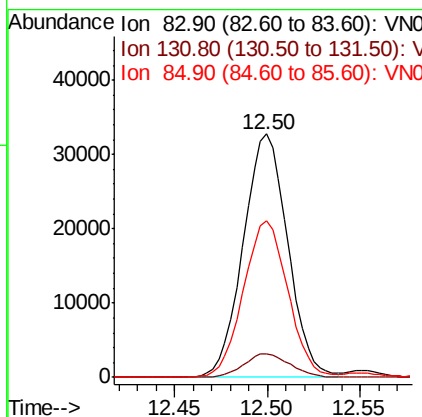
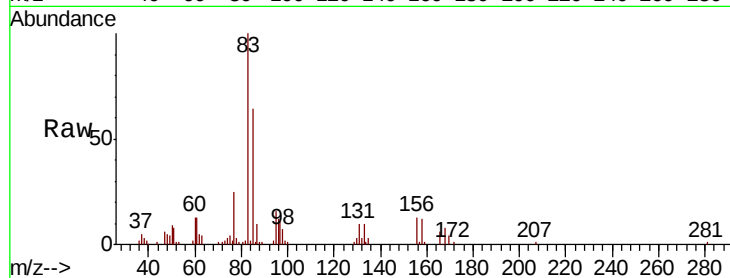
ClientSampleId :

VN0214MBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 54681 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.9   | 5.2   | 15.6  |
| 85        | 64.2  | 32.3  | 96.9  |

Manual Integrations  
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MMDadoda  
2/18/2020 9:30:29 AM



#76

1,2,3-Trichloropropane

Concen: 20.025 ug/l m

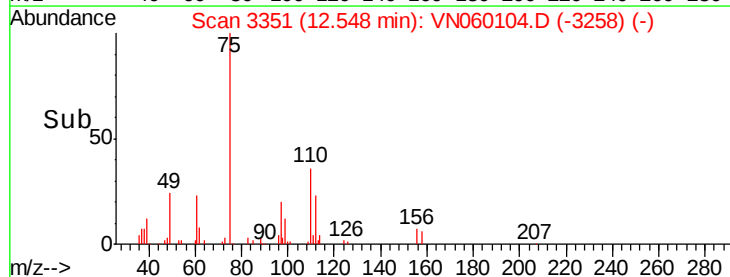
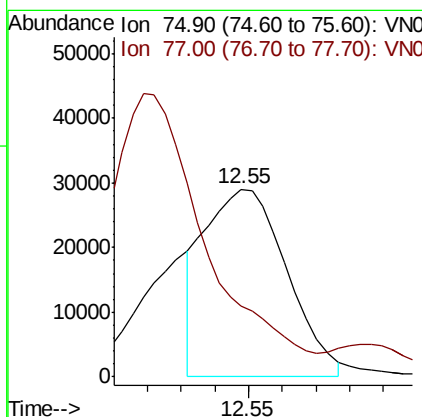
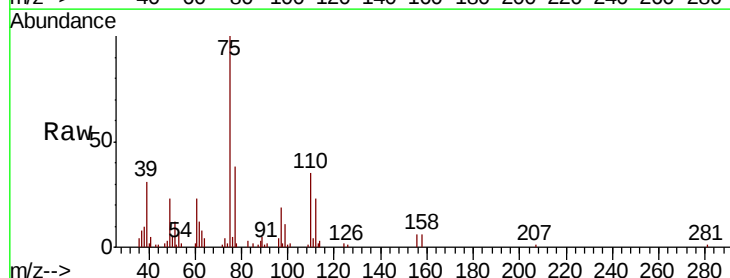
RT: 12.55 min Scan# 3351

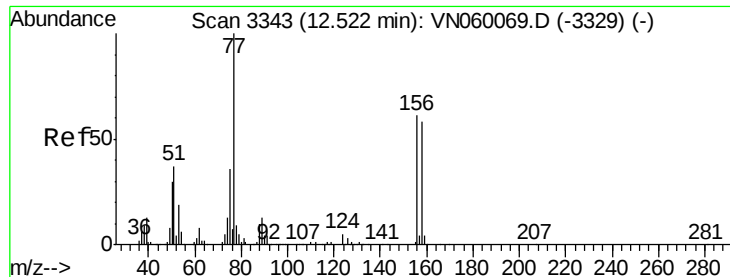
Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 49511 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 18.482 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

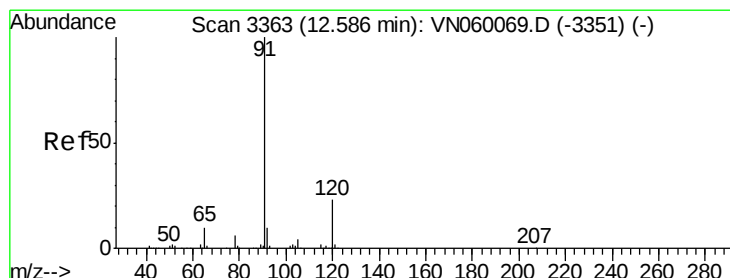
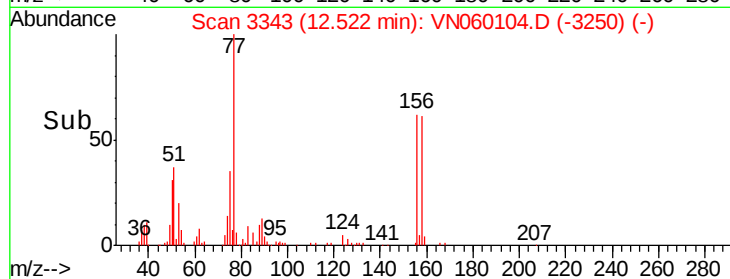
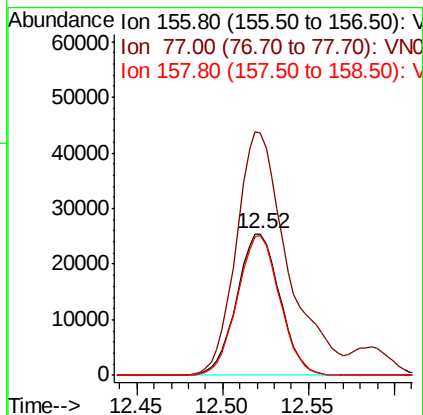
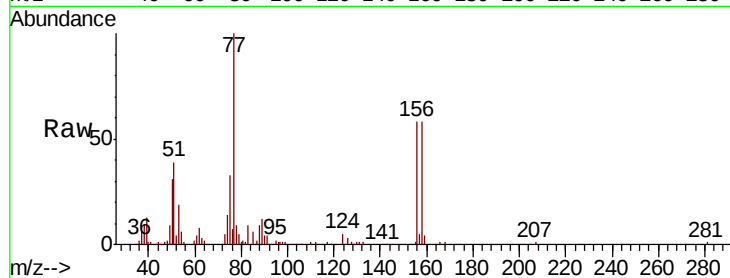
ClientSampleId :

VN0214MBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 44262 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 205.5 | 98.7  | 296.1 |
| 158       | 96.9  | 48.1  | 144.4 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 18.628 ug/l

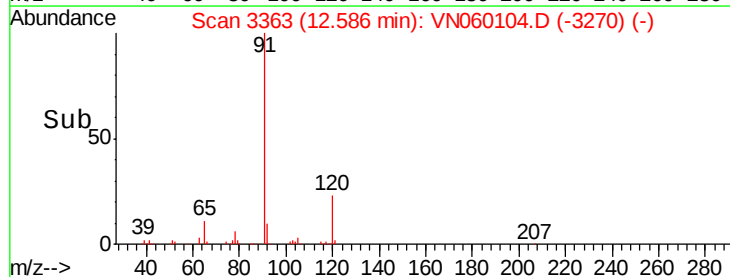
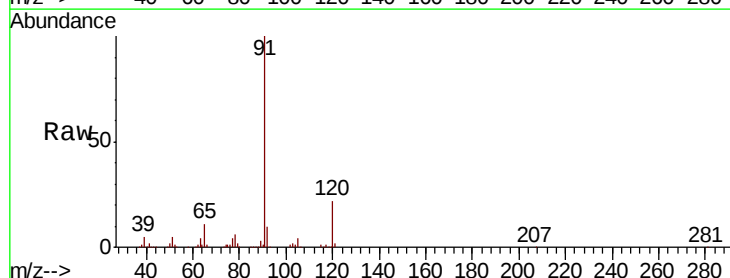
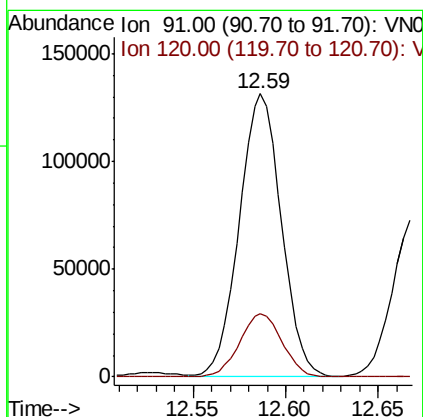
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 204814 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.7  | 11.5  | 34.5   |





#79

2-Chlorotoluene

Concen: 18.604 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN0214MBSD01

Tot Ion: 91 Resp: 120228

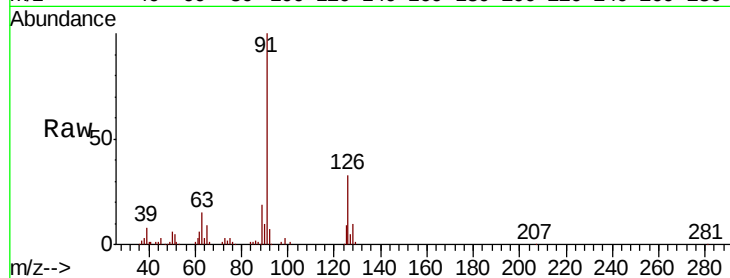
Ion Ratio Lower Upper

91 100

126 33.4 17.4 52.2

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2/18/2020 9:30:29 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060104.D (-3396) (-)

Ion 125.90 (125.60 to 126.60): VN060104.D (-3396) (-)

150000

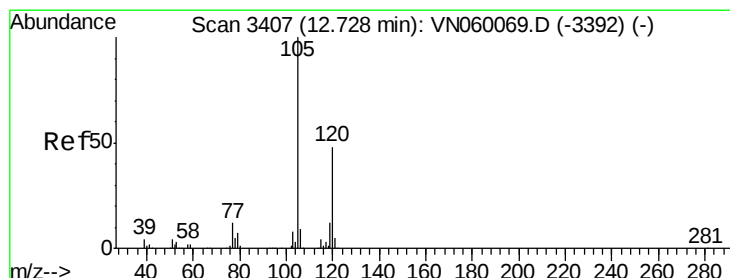
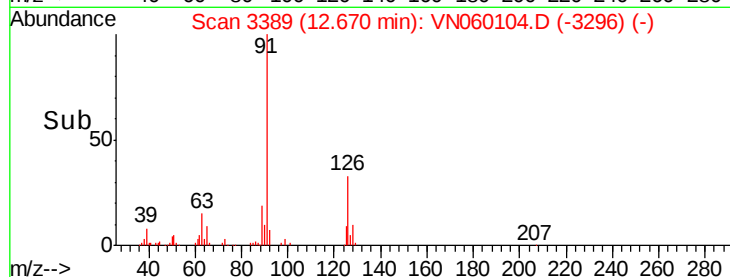
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.518 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060104.D

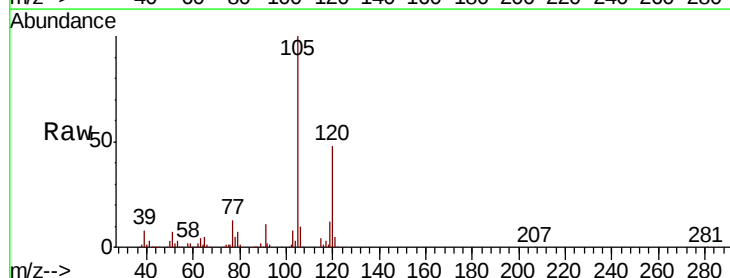
Acq: 14 Feb 2020 12:40

Tgt Ion: 105 Resp: 148582

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060104.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060104.D (-3314) (-)

100000

80000

60000

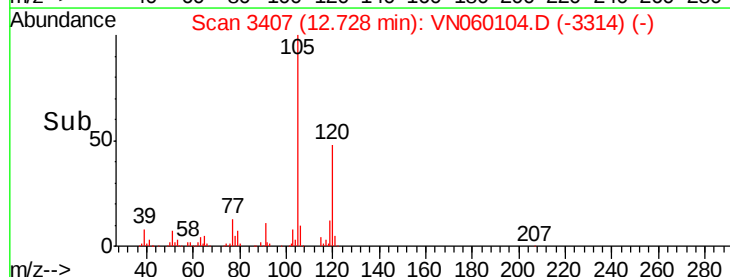
40000

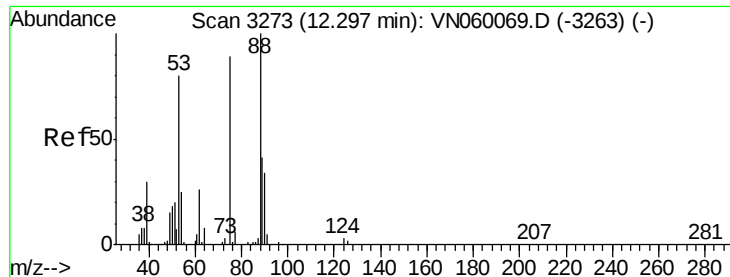
20000

0

12.65 12.70 12.75 12.80

Time-->





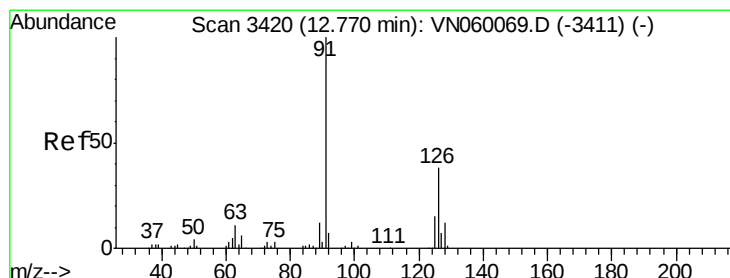
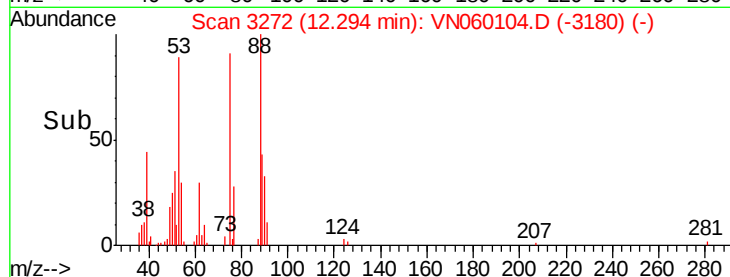
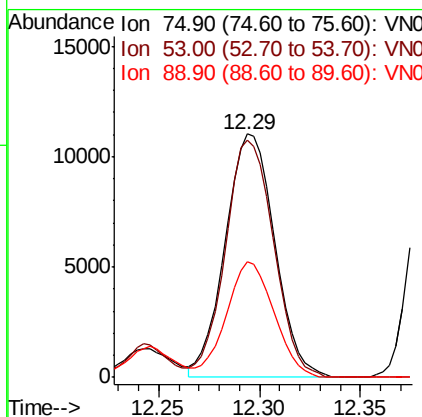
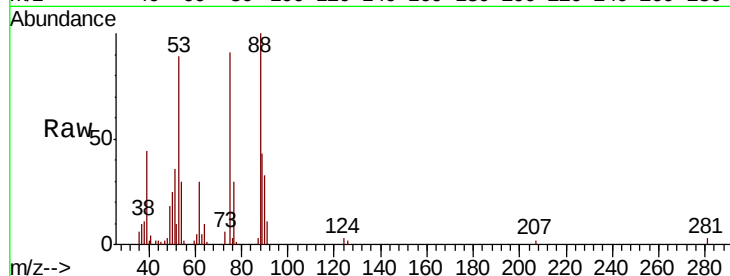
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.783 ug/l  
RT: 12.29 min Scan# 3272  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 95.5  | 73.9  | 110.9 |
| 89      | 45.4  | 37.0  | 55.4  |

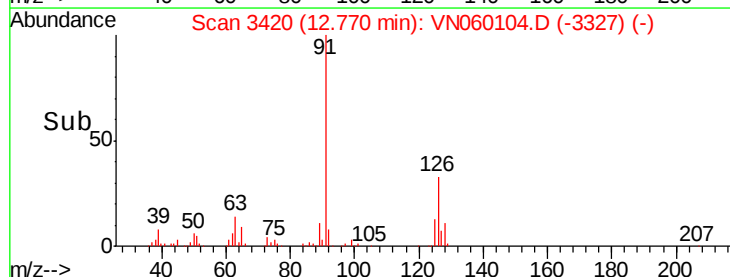
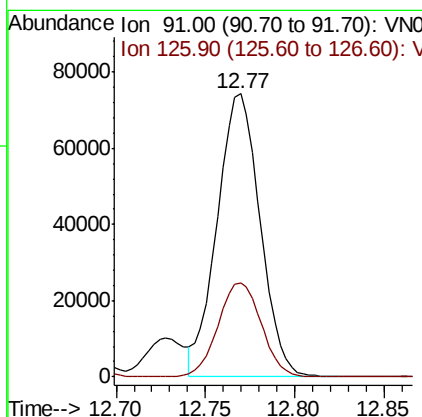
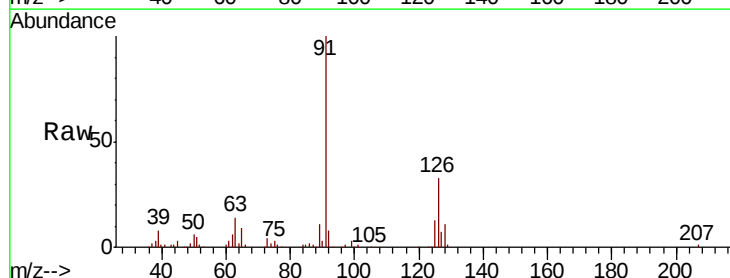
Manual Integrations  
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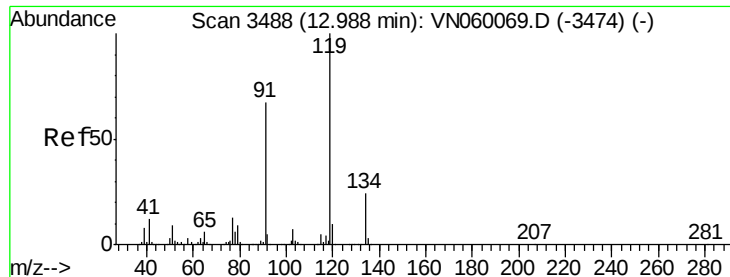
MMDadoda  
2/18/2020 9:30:29 AM



#82  
4-Chlorotoluene  
Concen: 18.595 ug/l  
RT: 12.77 min Scan# 3420  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.6  | 17.1  | 51.3  |





#83

tert-Butylbenzene

Concen: 17.976 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

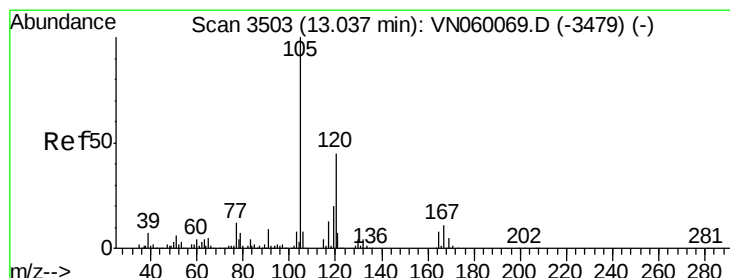
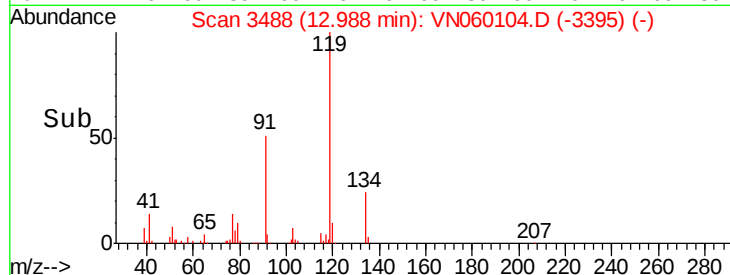
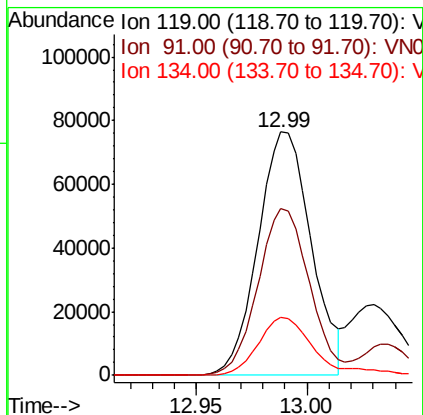
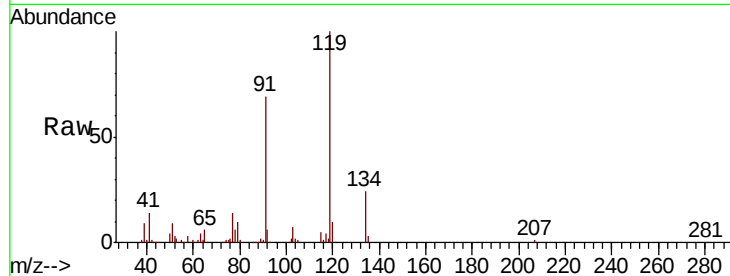
ClientSampleId :

VN0214MBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 127592 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 66.3  | 32.7  | 98.1   |
| 134       | 25.4  | 12.9  | 38.7   |

Manual Integrations  
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MMDadoda  
2/18/2020 9:30:29 AM



#84

1,2,4-Trimethylbenzene

Concen: 18.692 ug/l

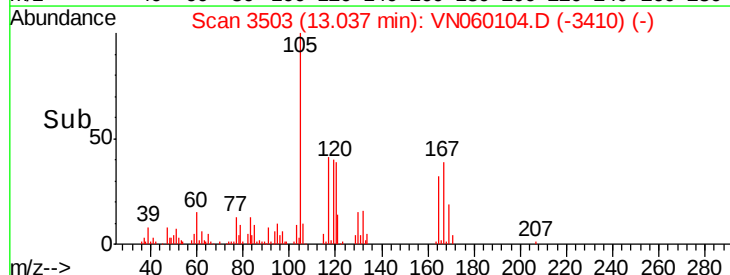
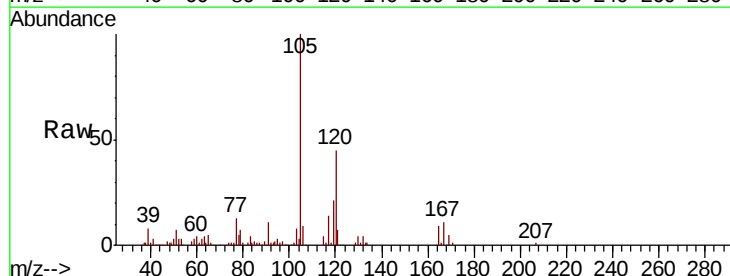
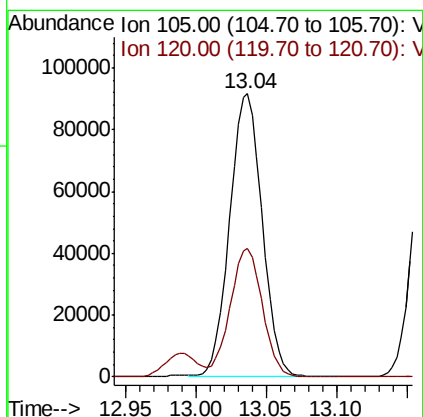
RT: 13.04 min Scan# 3503

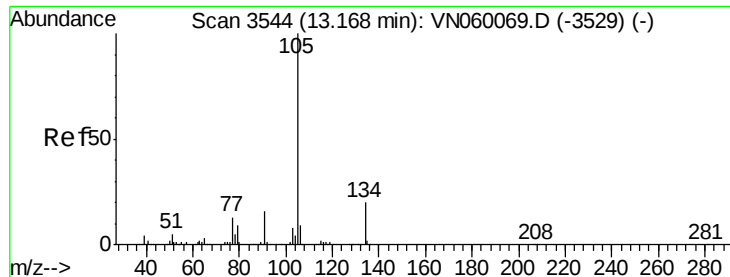
Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 148047 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.0  | 22.4  | 67.3   |





#85

sec-Butylbenzene

Concen: 18.236 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

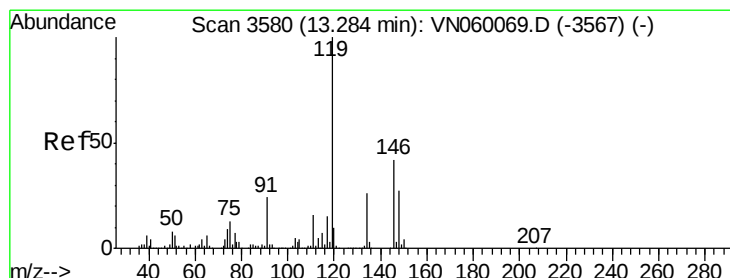
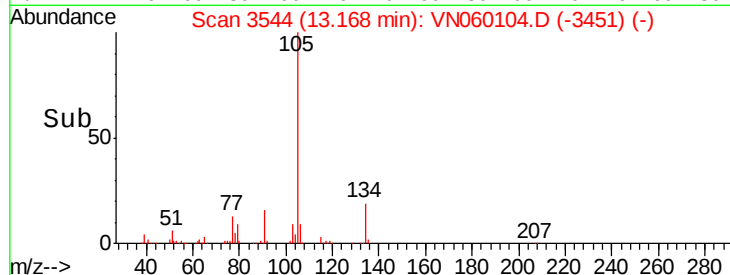
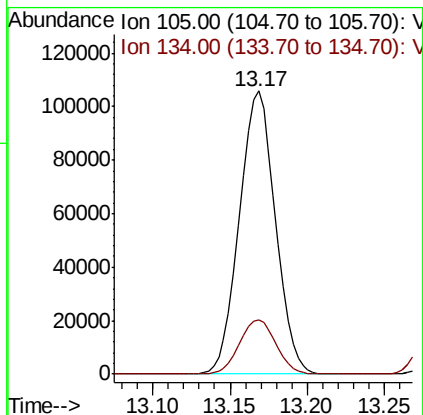
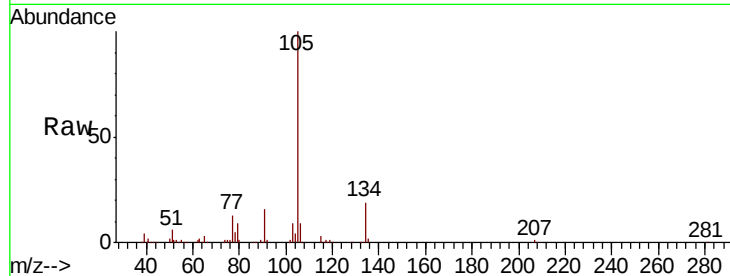
ClientSampleId :

VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.5  | 9.9   | 29.7  |

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MMDadoda  
2/18/2020 9:30:29 AM



#86

p-Isopropyltoluene

Concen: 18.420 ug/l

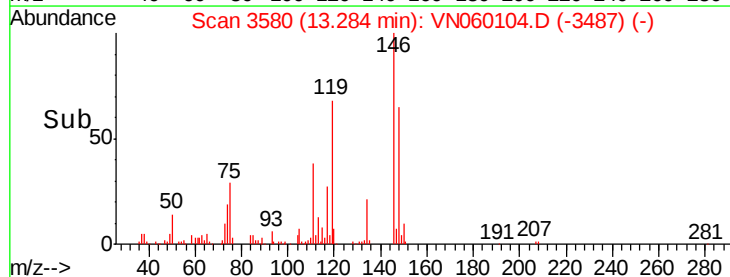
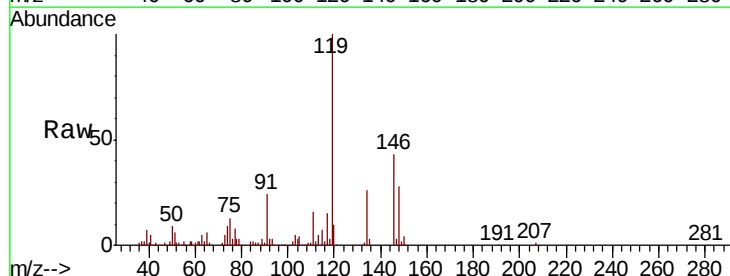
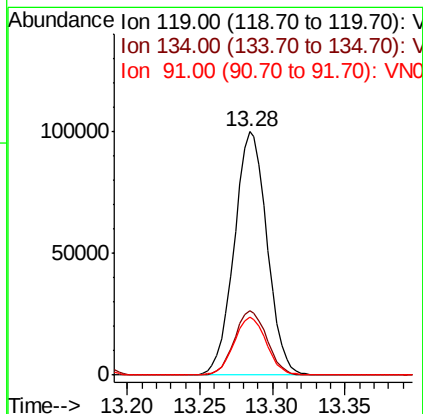
RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.2  | 13.3  | 39.8  |
| 91      | 23.6  | 11.9  | 35.9  |





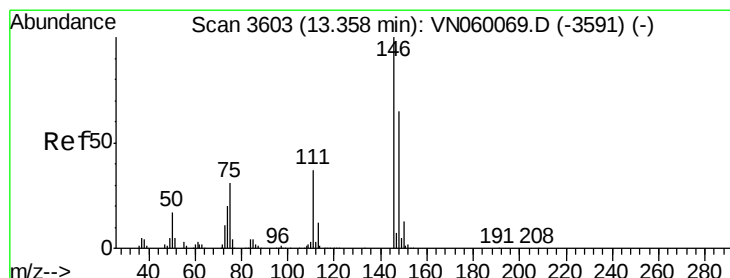
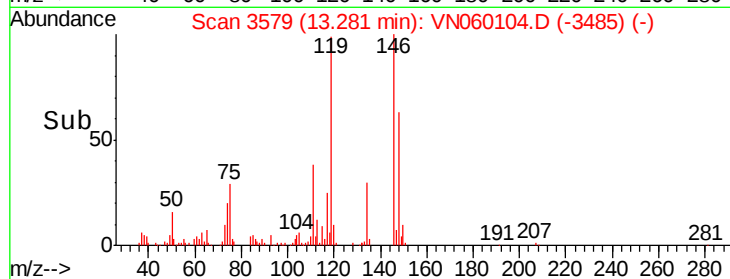
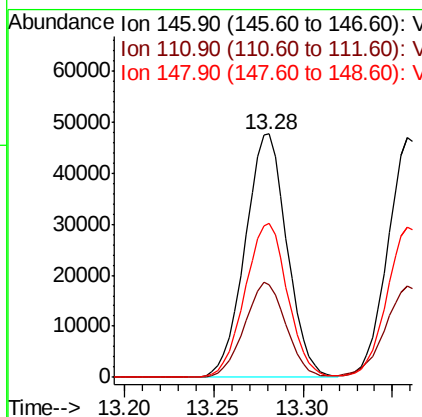
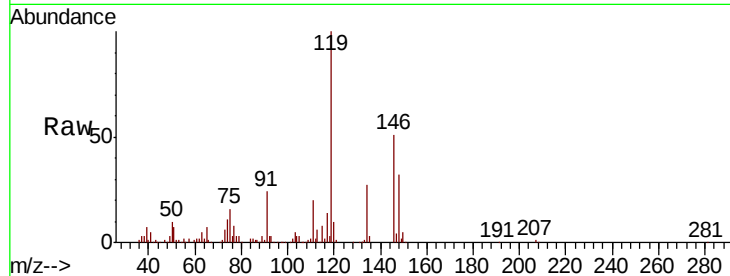
#87  
 1,3-Dichlorobenzene  
 Concen: 18.433 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 19.8  | 59.3  |
| 148     | 64.4  | 32.0  | 96.2  |

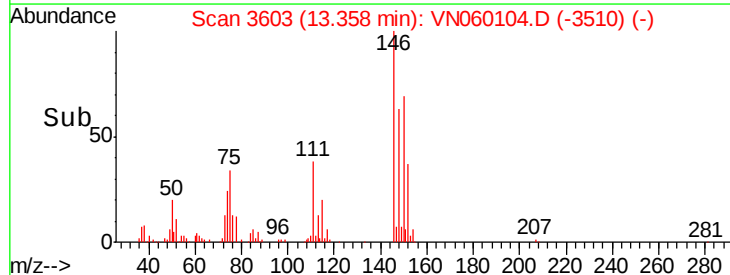
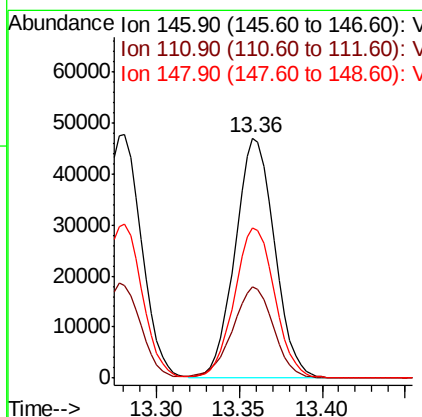
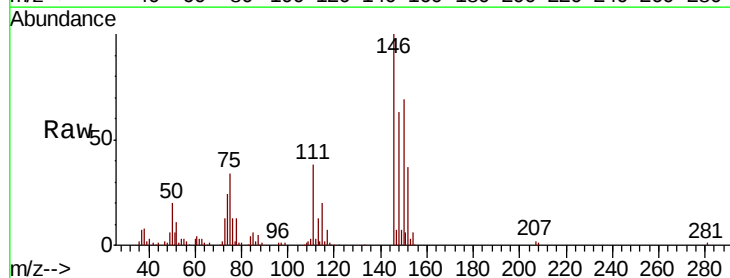
Manual Integrations  
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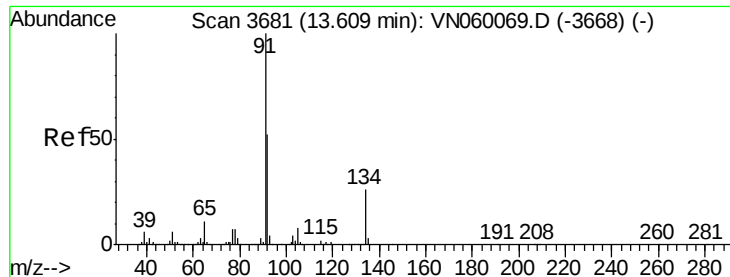
MMDadoda  
 2/18/2020 9:30:29 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 18.366 ug/l  
 RT: 13.36 min Scan# 3603  
 Delta R.T. -0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.4  | 18.9  | 56.5  |
| 148     | 64.1  | 32.0  | 96.0  |





#89

n-Butylbenzene

Concen: 18.656 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

Instrument :

MSVOA\_N

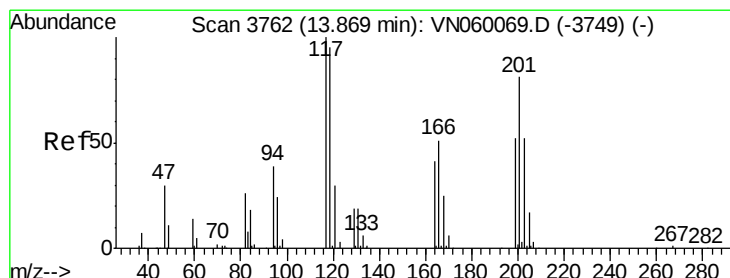
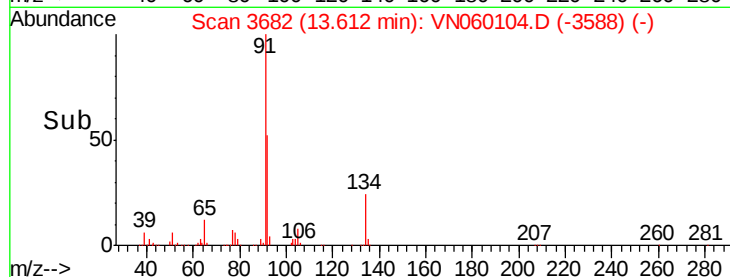
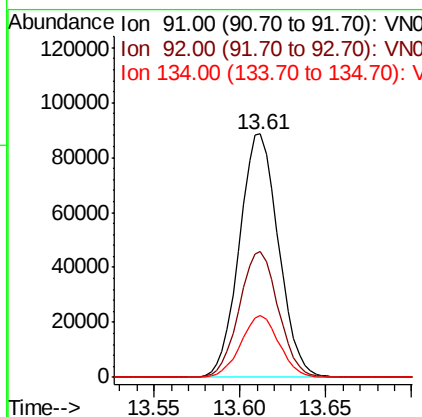
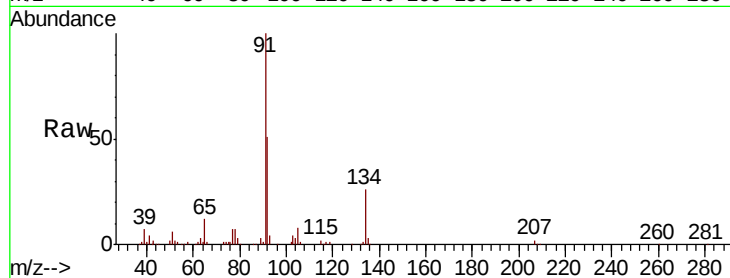
ClientSampleId :

VN0214MBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 91    | Resp: | 139756 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 51.8  | 26.1  | 78.2   |
| 134      | 25.0  | 13.1  | 39.3   |

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#90

Hexachloroethane

Concen: 17.610 ug/l

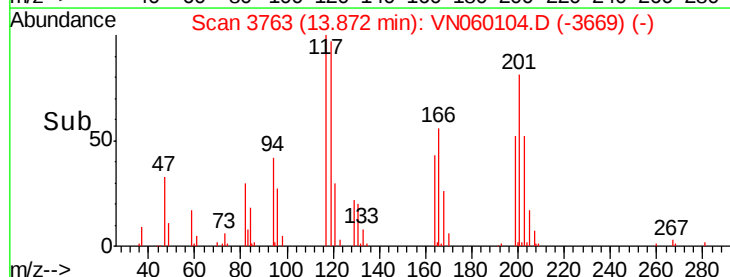
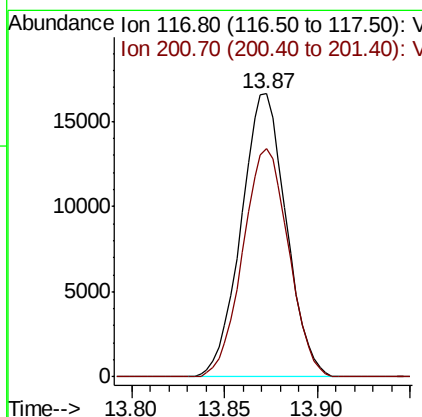
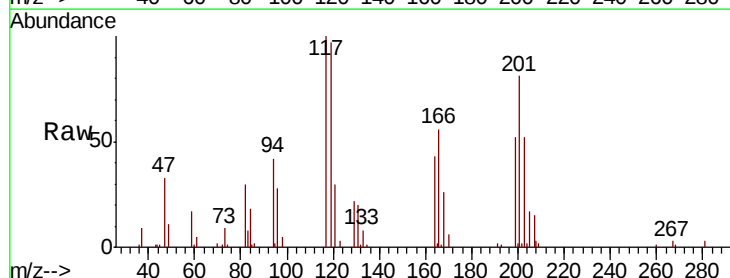
RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060104.D

Acq: 14 Feb 2020 12:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 28020 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 81.9  | 41.7  | 125.1 |





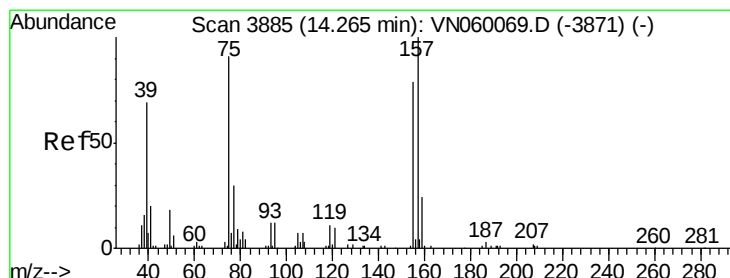
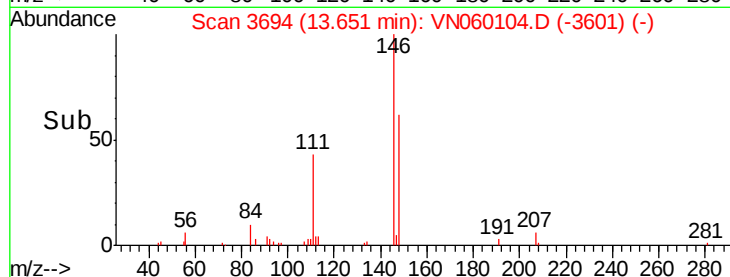
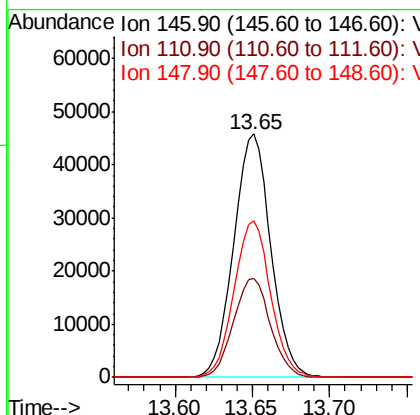
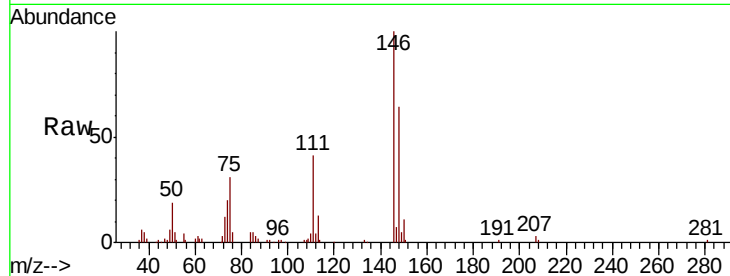
#91  
 1,2-Dichlorobenzene  
 Concen: 18.367 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. -0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 20.1  | 60.2  |
| 148     | 63.2  | 31.9  | 95.5  |

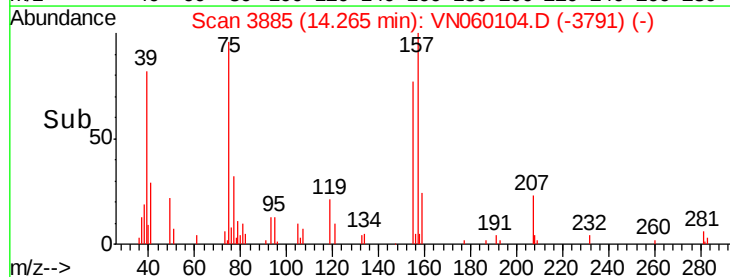
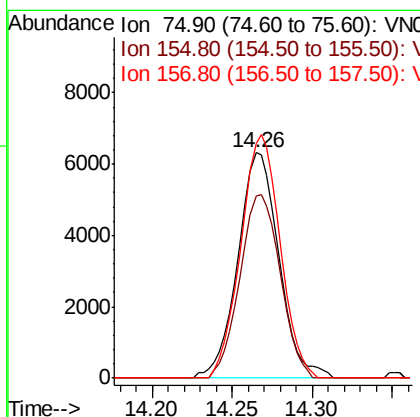
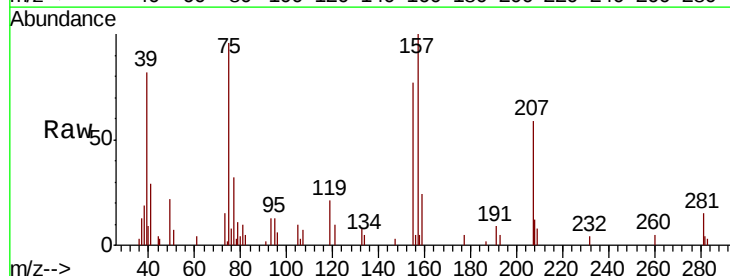
Manual Integrations  
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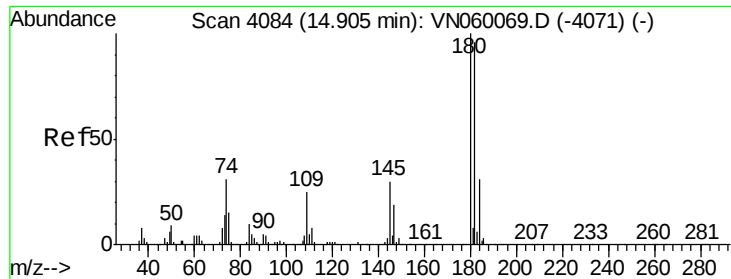
MMDadoda  
 2/18/2020 9:30:29 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.191 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. 0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 79.8  | 43.0  | 129.0 |
| 157     | 103.2 | 54.9  | 164.5 |





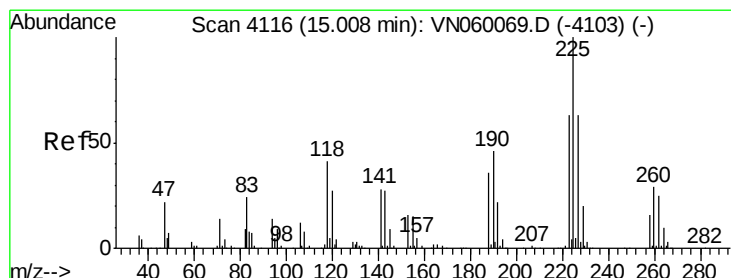
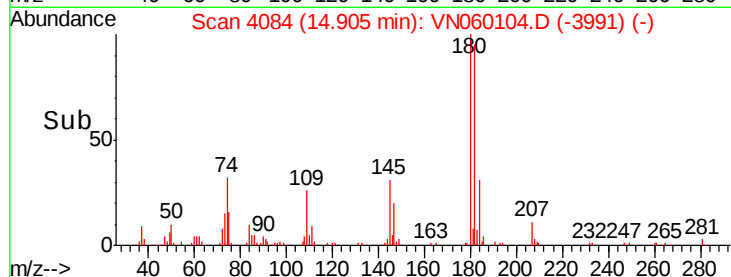
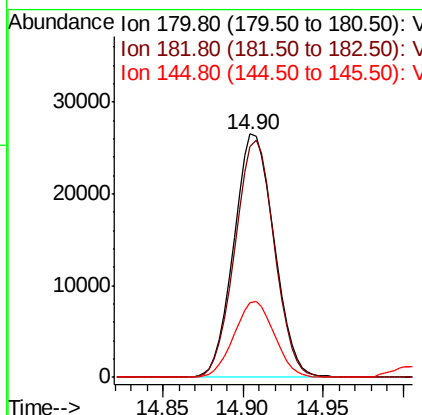
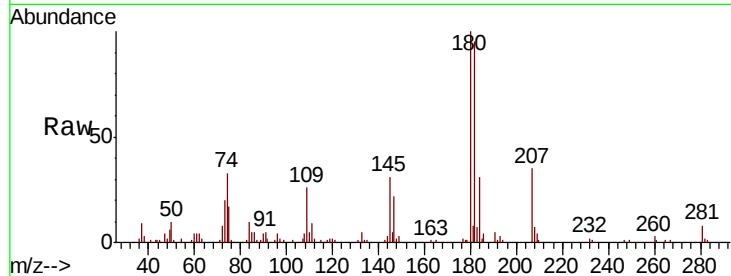
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.640 ug/l  
 RT: 14.90 min Scan# 4084  
 Delta R.T. -0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0214MBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 45439 |       |       |
| 182     | 95.2  | 47.9  | 143.8 |       |
| 145     | 31.2  | 15.2  | 45.5  |       |

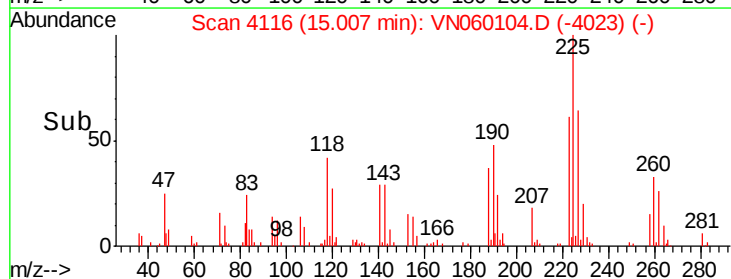
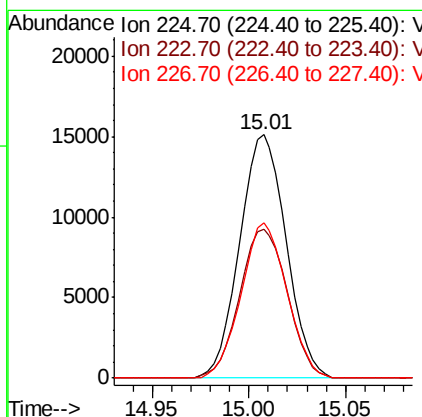
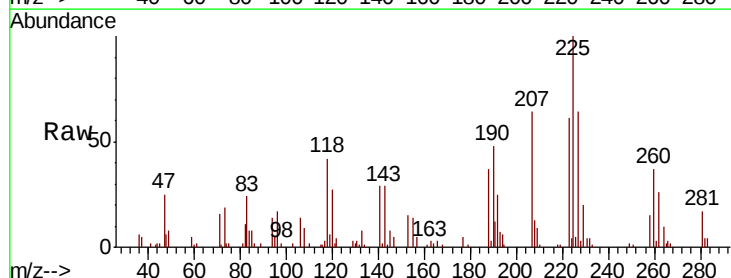
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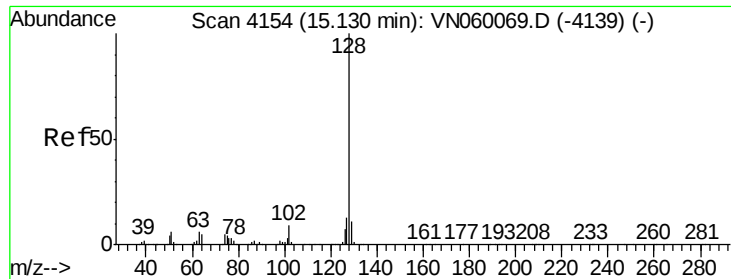
MMDadoda  
 2/18/2020 9:30:29 AM



#94  
 Hexachlorobutadiene  
 Concen: 17.719 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. -0.00 min  
 Lab File: VN060104.D  
 Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 25286 |       |       |
| 223     | 62.8  | 31.5  | 94.5  |       |
| 227     | 62.7  | 31.8  | 95.4  |       |





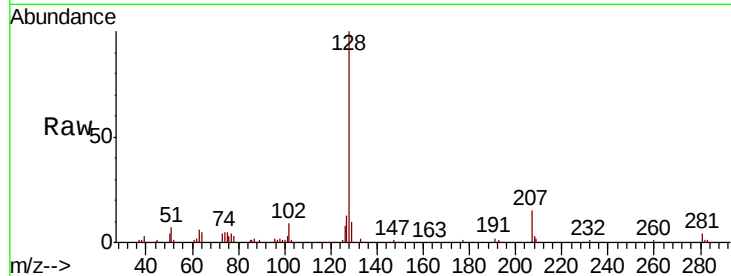
#95  
Naphthalene  
Concen: 19.239 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0214MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.3  | 15.5  |
| 129     | 10.6  | 8.6   | 13.0  |

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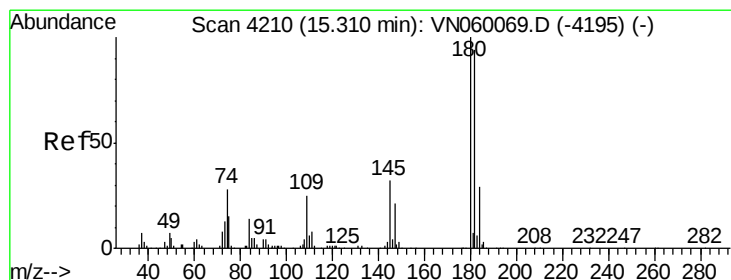
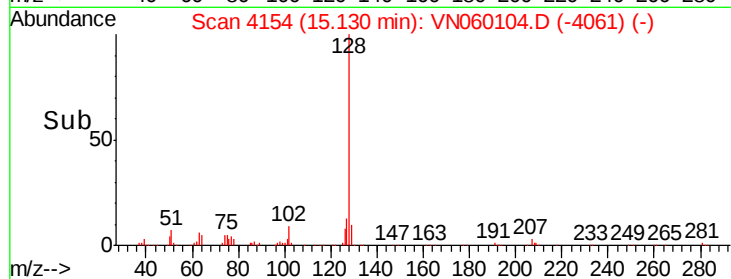
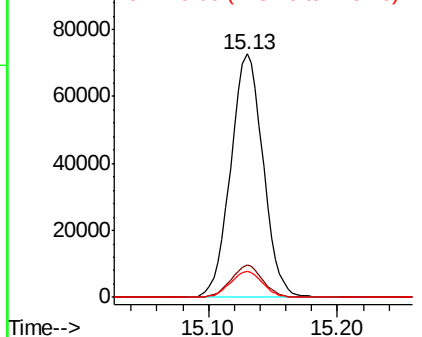


Abundance

Ion 128.00 (127.70 to 128.70): V

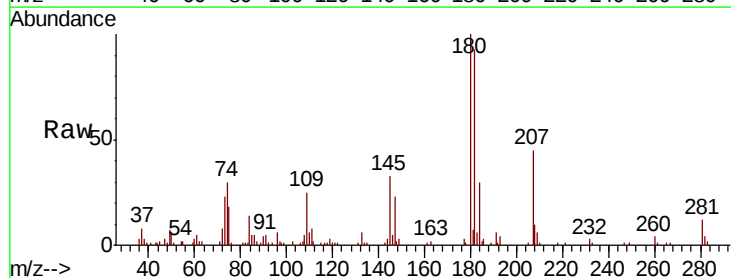
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 18.907 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. -0.00 min  
Lab File: VN060104.D  
Acq: 14 Feb 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.8  | 47.5  | 142.5 |
| 145     | 32.3  | 16.1  | 48.3  |



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

