

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN112718\  
 Data File : VN052477.D  
 Acq On : 27 Nov 2018 14:33  
 Operator : MD\SY  
 Sample : VN1127MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 12 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/28/2018 9:33:52 AM

Quant Time: Nov 28 06:29:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 28 01:11:38 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1054593  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1644506  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1450648  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 643257   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 230340   | 20.06 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 40.12% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 209492   | 20.66 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 41.32% |      |
| 50) Toluene-d8            | 10.09  | 98  | 822059   | 20.83 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 41.66% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 275657   | 20.79 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 41.58% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 185427  | 18.778  | ug/l   | 97     |
| 3) Chloromethane              | 2.06 | 50  | 250305  | 19.203  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.19 | 62  | 253364  | 18.923  | ug/l   | 98     |
| 5) Bromomethane               | 2.58 | 94  | 162824  | 19.490  | ug/l   | 98     |
| 6) Chloroethane               | 2.71 | 64  | 152916  | 18.854  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 316703  | 19.256  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.41 | 74  | 117553  | 19.354  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 200977  | 19.583  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.96 | 142 | 251975  | 18.434  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.78 | 59  | 48564   | 84.481  | ug/l # | 73     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 193572  | 19.595  | ug/l   | 99     |
| 13) Acrolein                  | 3.61 | 56  | 80754   | 102.838 | ug/l   | 98     |
| 14) Allyl chloride            | 4.33 | 41  | 335959  | 19.732  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 328821  | 90.363  | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43  | 260619  | 86.051  | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.06 | 76  | 568698  | 18.293  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 158969  | 18.298  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 508564  | 19.349  | ug/l   | 100    |
| 20) Methylene Chloride        | 4.55 | 84  | 221990  | 18.730  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 208738  | 19.784  | ug/l   | 96     |
| 22) Diisopropyl ether         | 5.95 | 45  | 703495  | 19.671  | ug/l   | 96     |
| 23) Vinyl Acetate             | 5.90 | 43  | 2111309 | 94.781  | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 404647  | 19.816  | ug/l   | 98     |
| 25) 2-Butanone                | 6.84 | 43  | 375155  | 87.392  | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 275003  | 19.457  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 241498  | 19.650  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.19 | 49  | 185581  | 19.898  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 238897  | 86.281  | ug/l   | 99     |
| 30) Chloroform                | 7.37 | 83  | 390941  | 19.189  | ug/l   | 100    |
| 31) Cyclohexane               | 7.65 | 56  | 392009  | 19.612  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 315504  | 19.546  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 303583  | 19.549  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 162642  | 17.161  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 269988  | 19.205  | ug/l   | 100    |

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 Data File : VN052477.D  
 Acq On : 27 Nov 2018 14:33  
 Operator : MD\SY  
 Sample : VN1127MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 12 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/28/2018 9:33:52 AM

Quant Time: Nov 28 06:29:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 28 01:11:38 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 377990   | 20.025  | ug/l   | 100      |
| 40) Benzene                    | 8.04  | 78   | 912696   | 19.721  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.17  | 41   | 95680    | 18.466  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 273149   | 19.492  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.16  | 43   | 291299   | 18.162  | ug/l   | 100      |
| 44) Trichloroethene            | 8.84  | 130  | 232577   | 19.619  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 246312   | 20.018  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 130904   | 19.218  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 287120   | 19.388  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 151753   | 18.145  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 31011    | 357.290 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 817116   | 90.801  | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 555202   | 20.191  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 269725   | 18.932  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 335097   | 19.627  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 186962   | 19.330  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 229559   | 18.864  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 329551   | 19.296  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 646287   | 92.083  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 553044   | 91.569  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 198791   | 18.923  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 183523   | 19.104  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 224052   | 19.921  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.44 | 112  | 602789   | 20.152  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 204328   | 19.646  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1060139  | 20.239  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 789520   | 40.487  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 393653   | 20.788  | ug/l   | 99       |
| 70) Styrene                    | 11.97 | 104  | 622053   | 20.624  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 128164   | 18.611  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1037875  | 20.565  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 242892   | 19.050  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 214000   | 18.641  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 196230m  | 19.782  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 355320   | 28.484  | ug/l   | 64       |
| 78) n-propylbenzene            | 12.59 | 91   | 1187415  | 20.711  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 695018   | 20.357  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 873545   | 21.703  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 51189    | 17.234  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 693114   | 20.143  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 740243   | 20.629  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 849254   | 21.054  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1014147  | 20.750  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 877480   | 21.079  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 433868   | 19.884  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 425820   | 19.812  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 741213   | 21.410  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 136622   | 19.383  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 419438   | 20.120  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 29912    | 18.218  | ug/l   | 94       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN112718\  
Data File : VN052477.D  
Acq On : 27 Nov 2018 14:33  
Operator : MD\SY  
Sample : VN1127MBS01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 12 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

Manual Integrations  
APPROVED

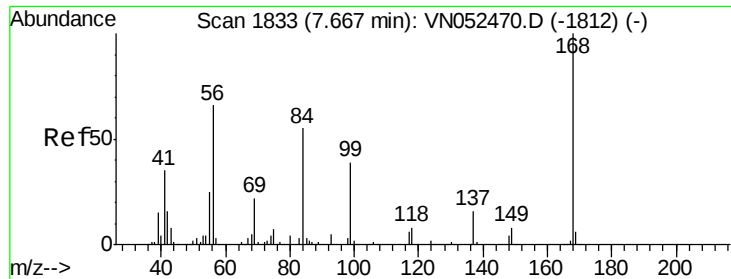
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11/28/2018 9:33:52 AM

Quant Time: Nov 28 06:29:55 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 28 01:11:38 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 216984   | 20.755 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 138212   | 20.609 | ug/l  | 99       |
| 95) Naphthalene            | 15.14 | 128  | 451382   | 20.789 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 202848   | 20.992 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion:168 Resp: 1054593

Ion Ratio Lower Upper

168 100

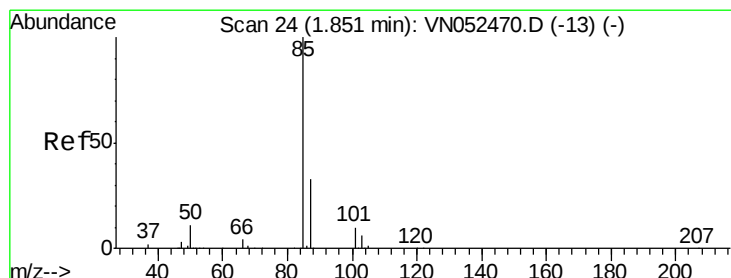
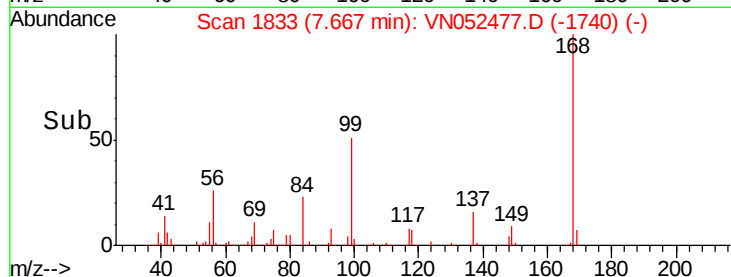
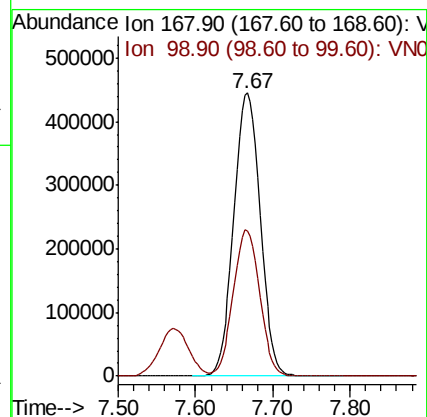
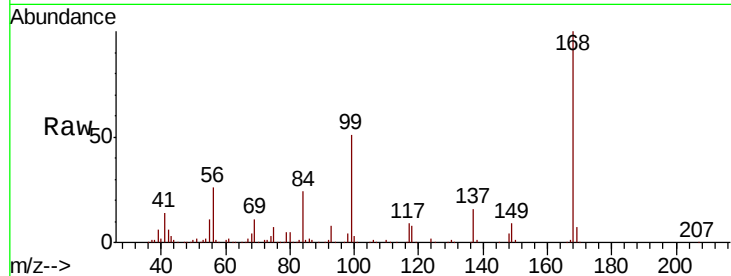
99 51.4 41.7 62.5

Manual Integrations

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11/28/2018 9:33:52 AM



#2

Dichlorodifluoromethane

Concen: 18.778 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052477.D

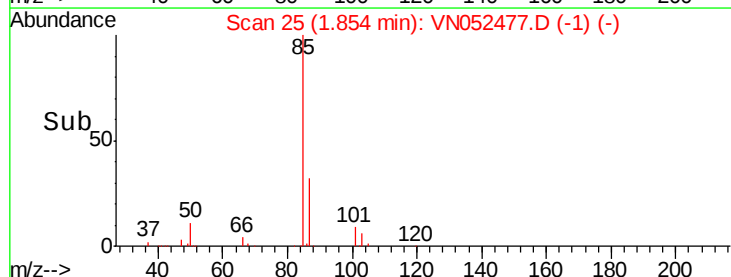
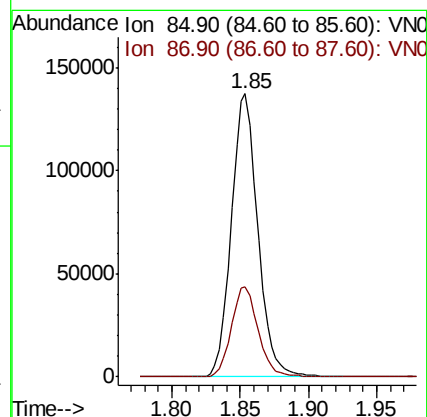
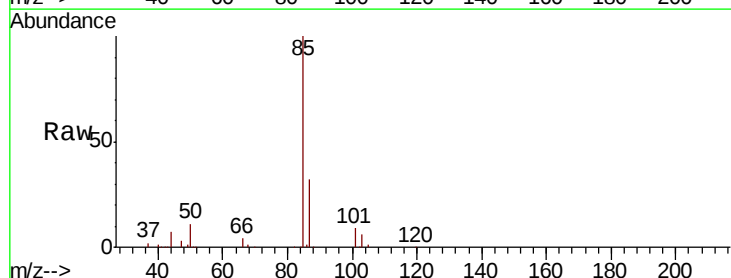
Acq: 27 Nov 2018 14:33

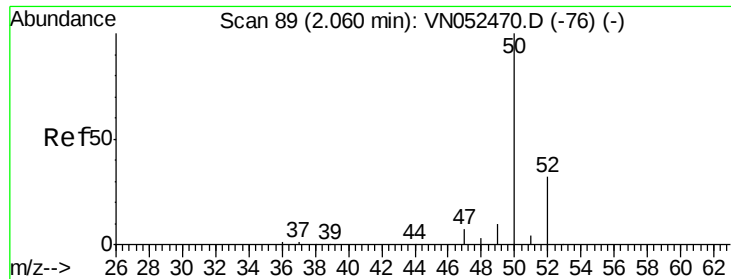
Tgt Ion: 85 Resp: 185427

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.1





#3

Chloromethane

Concen: 19.203 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 50 Resp: 250305

Ion Ratio Lower Upper

50 100

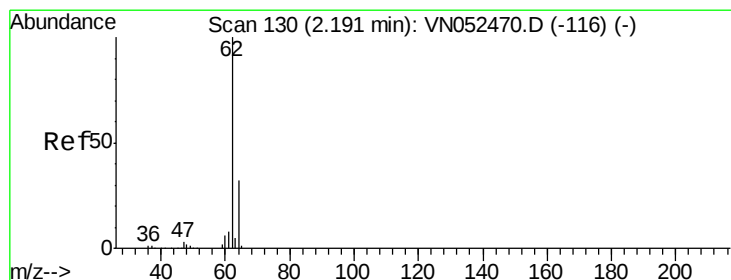
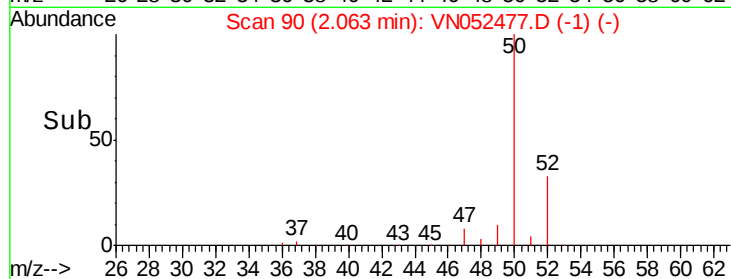
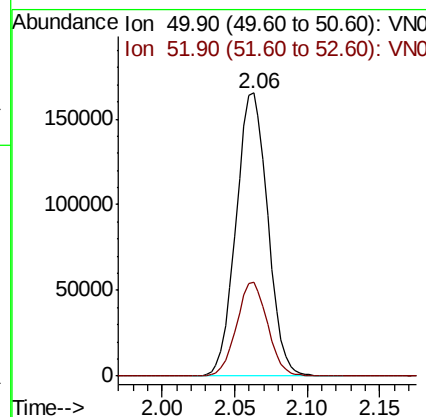
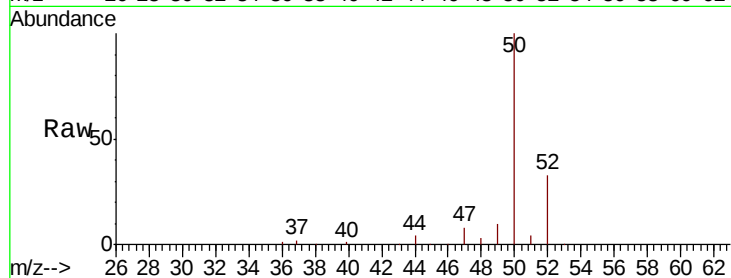
52 33.2 25.9 38.9

Manual Integrations

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11/28/2018 9:33:52 AM



#4

Vinyl Chloride

Concen: 18.923 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052477.D

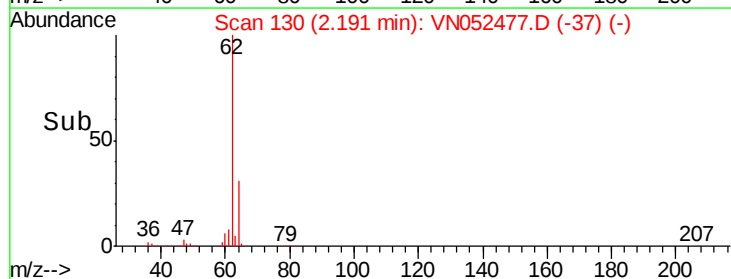
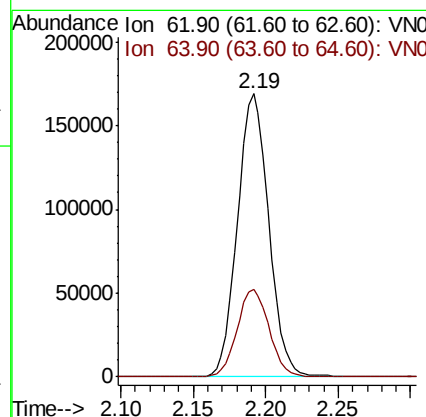
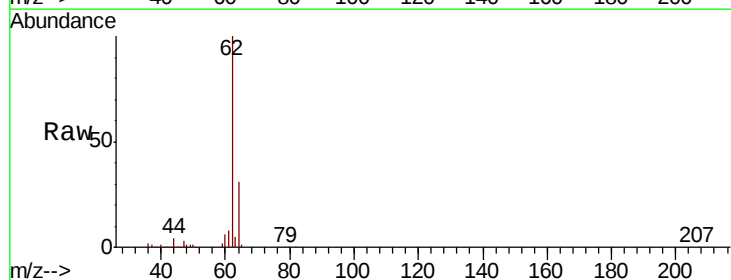
Acq: 27 Nov 2018 14:33

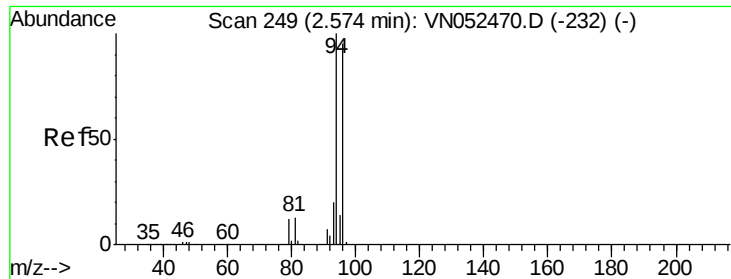
Tgt Ion: 62 Resp: 253364

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.2





#5

Bromomethane

Concen: 19.490 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 94 Resp: 162824

Ion Ratio Lower Upper

94 100

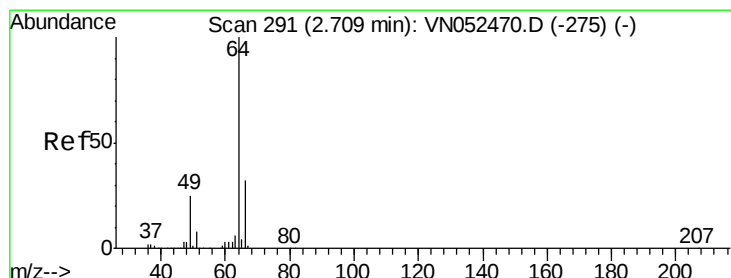
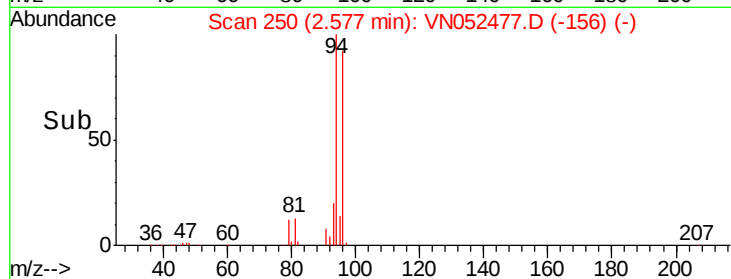
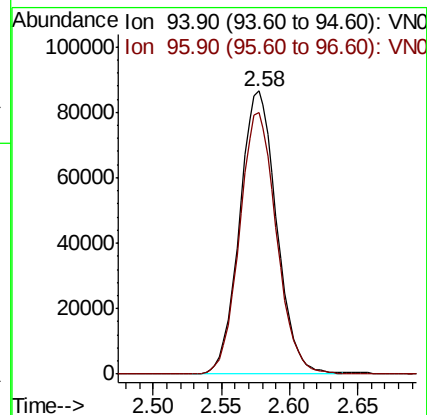
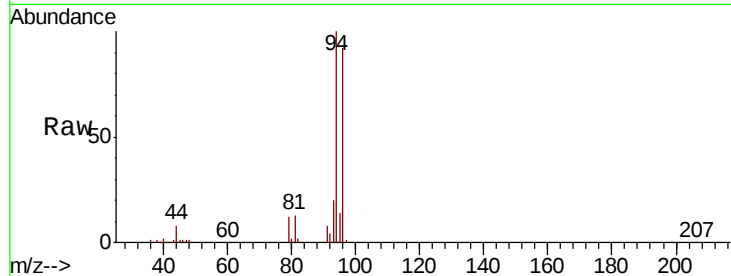
96 92.4 75.8 113.8

Manual Integrations

APPROVED

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11/28/2018 9:33:52 AM



#6

Chloroethane

Concen: 18.854 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052477.D

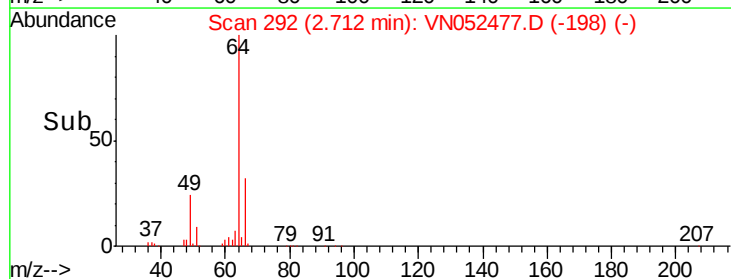
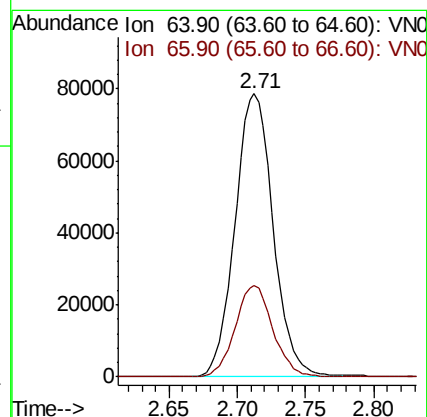
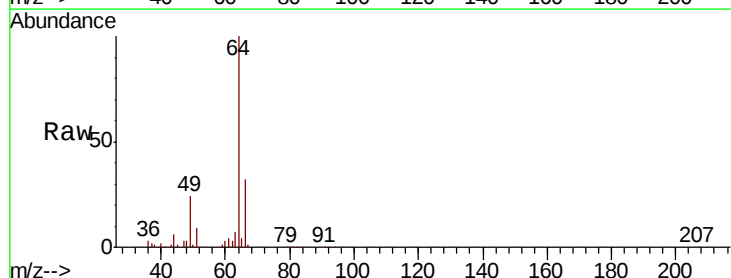
Acq: 27 Nov 2018 14:33

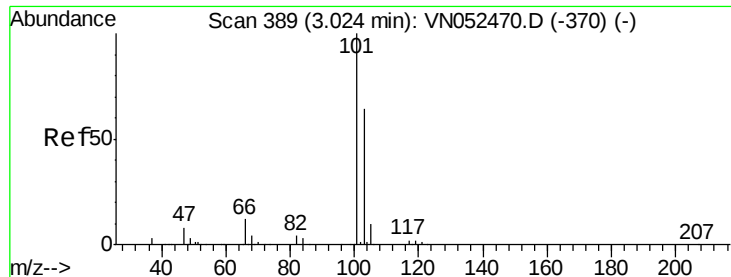
Tgt Ion: 64 Resp: 152916

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5





#7

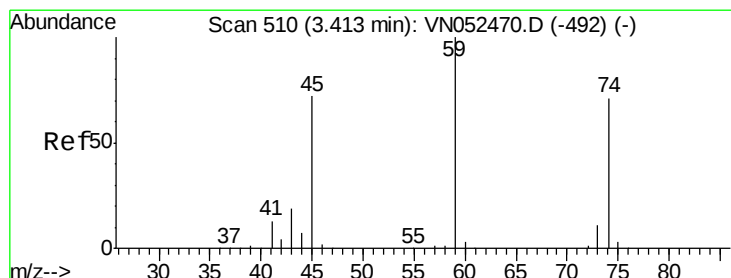
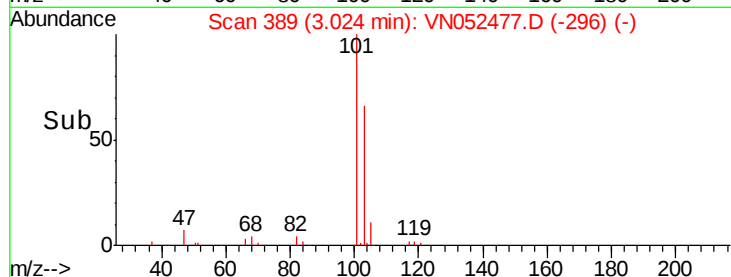
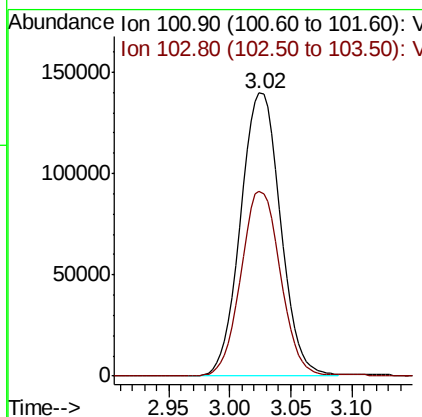
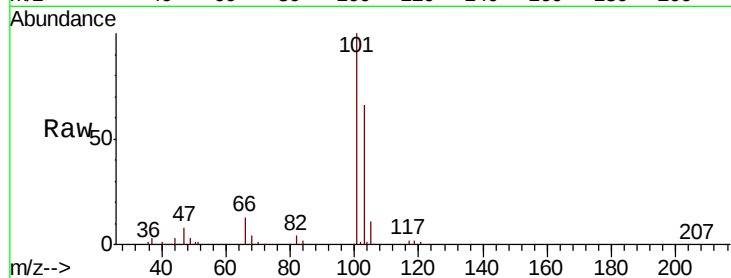
Trichlorofluoromethane  
 Concen: 19.256 ug/l  
 RT: 3.02 min Scan# 389  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.5  | 51.4  | 77.2  |

Manual Integrations  
 APPROVED

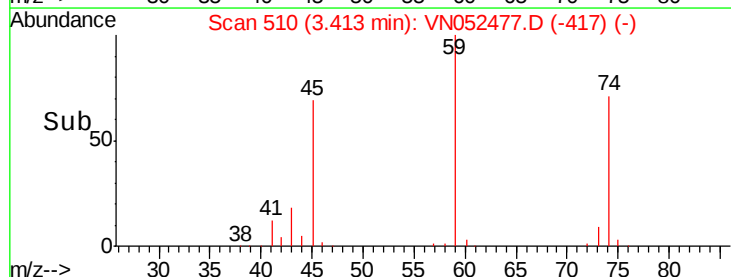
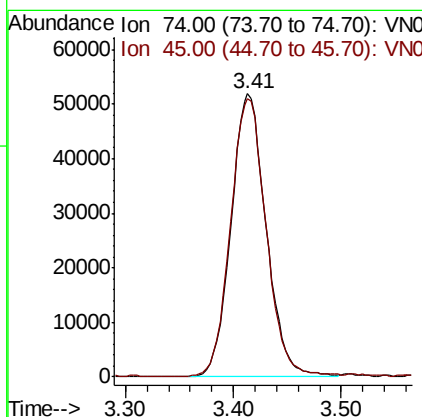
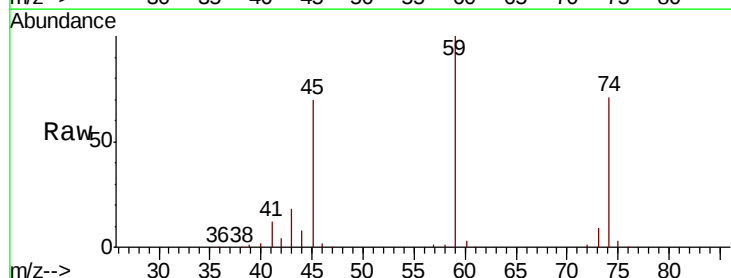
MMDadoda  
 11/28/2018 9:33:52 AM

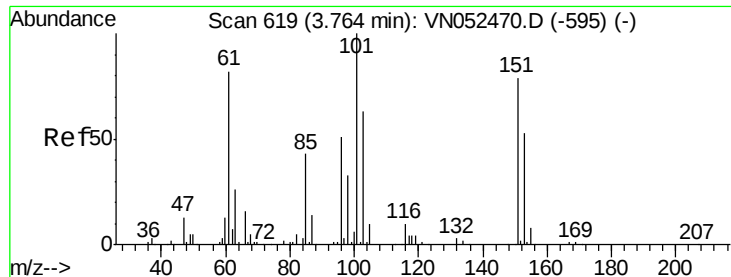


#8

Diethyl Ether  
 Concen: 19.354 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 100.3 | 50.4  | 151.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.583 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

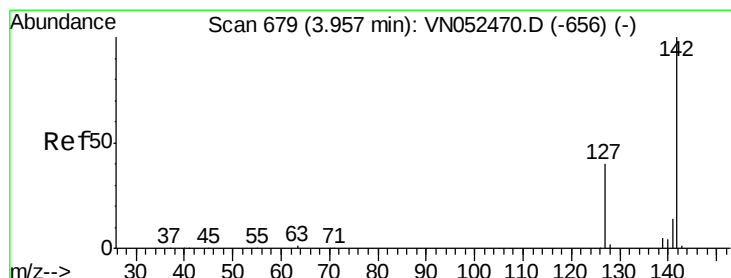
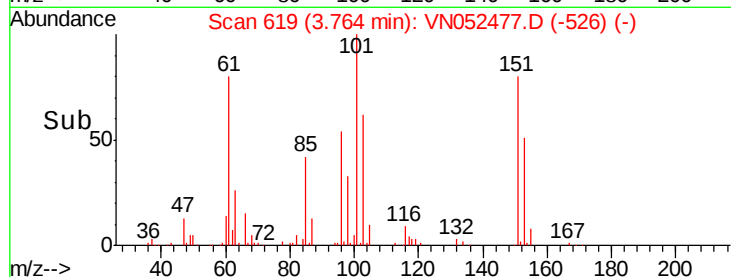
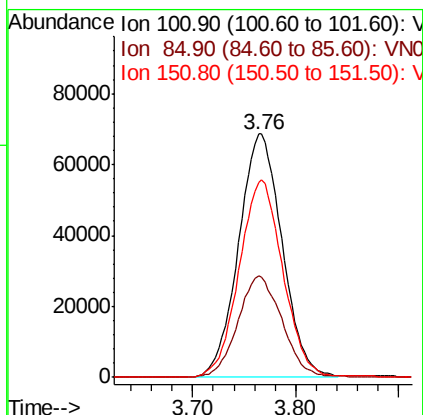
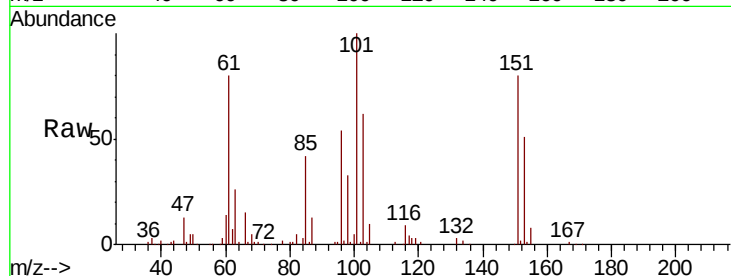
ClientSampleId :

VN1127MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 101   | Resp: | 200977 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.4  | 34.2  | 51.4   |
| 151       | 81.4  | 64.6  | 96.8   |

Manual Integrations  
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11/28/2018 9:33:52 AM



#10

Methyl Iodide

Concen: 18.434 ug/l

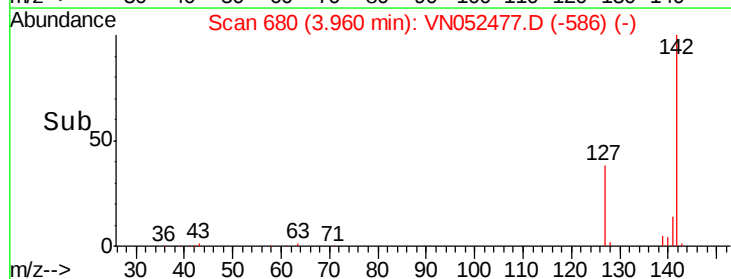
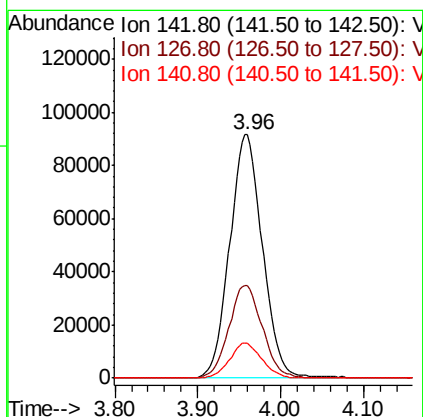
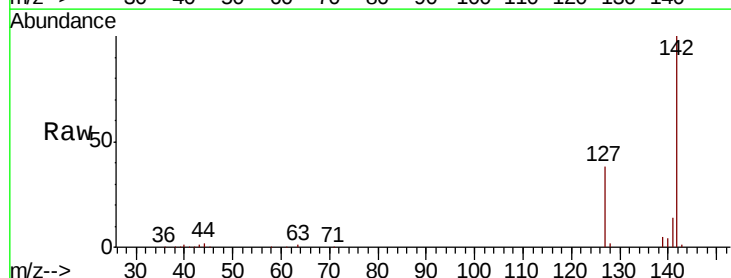
RT: 3.96 min Scan# 680

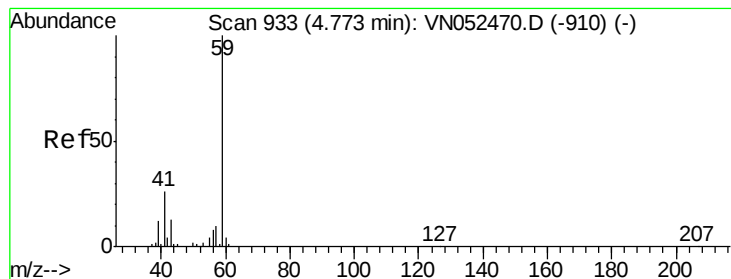
Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 251975 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.9  | 31.8  | 47.6   |
| 141       | 14.0  | 11.4  | 17.0   |





#11

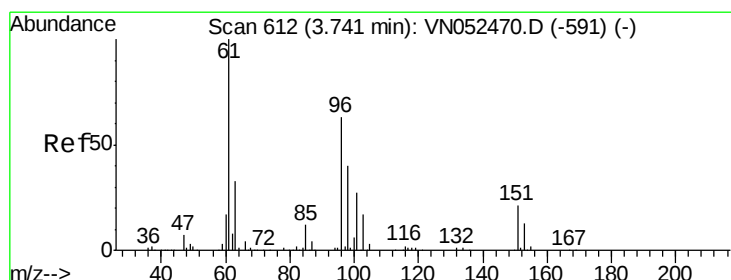
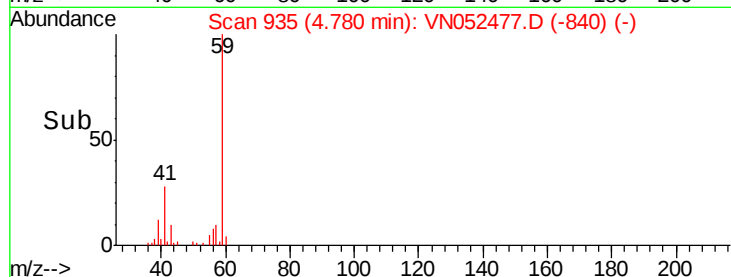
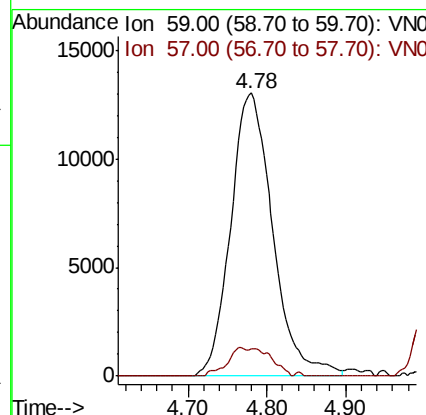
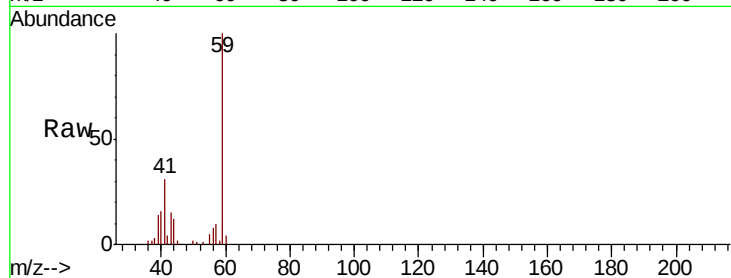
Tert butyl alcohol  
 Concen: 84.481 ug/l  
 RT: 4.78 min Scan# 935  
 Delta R.T. 0.01 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 0.0   | 7.9   | 11.9# |

Manual Integrations  
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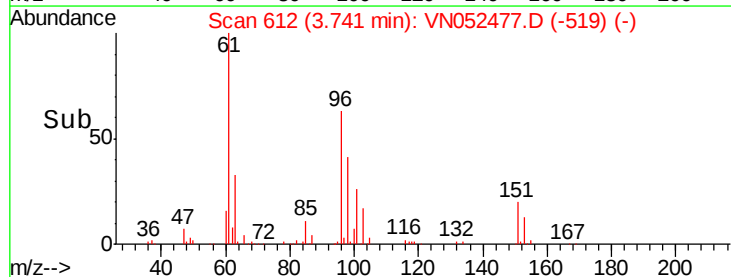
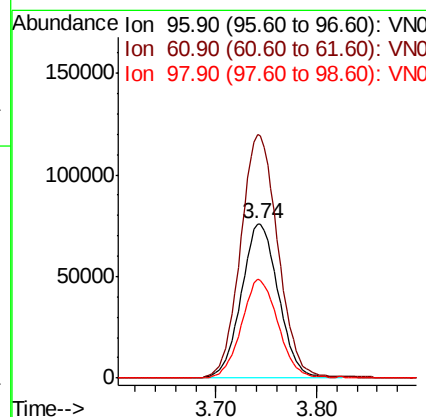
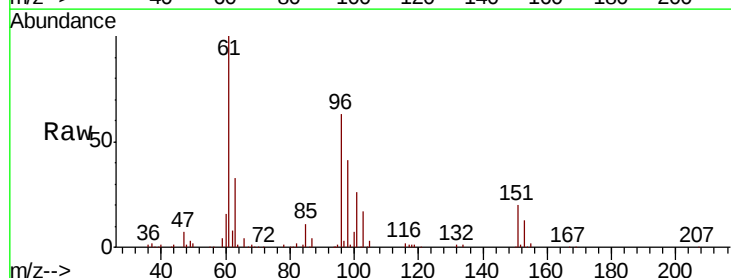
MMDadoda  
 11/28/2018 9:33:52 AM

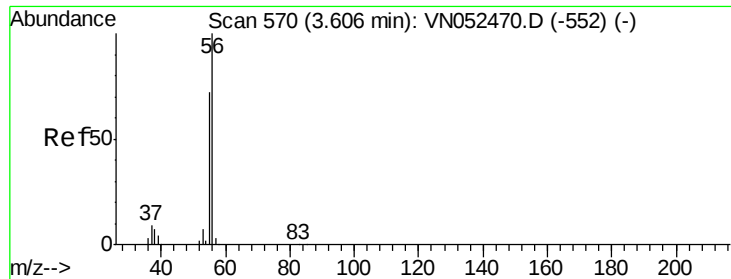


#12

1,1-Dichloroethene  
 Concen: 19.595 ug/l  
 RT: 3.74 min Scan# 612  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 157.5 | 127.0 | 190.6 |
| 98      | 64.0  | 50.3  | 75.5  |





#13

Acrolein

Concen: 102.838 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 56 Resp: 80754

Ion Ratio Lower Upper

56 100

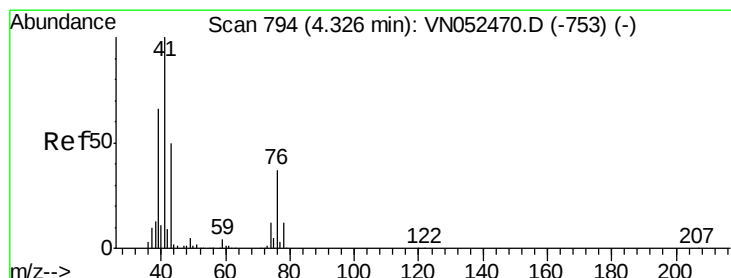
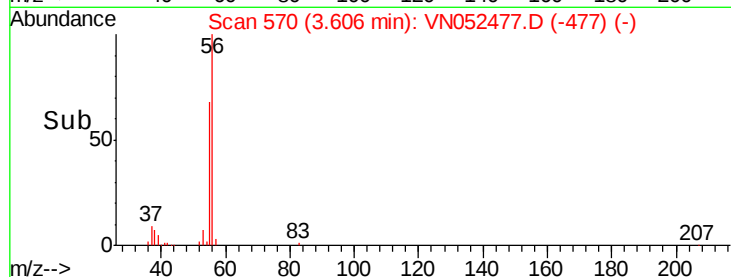
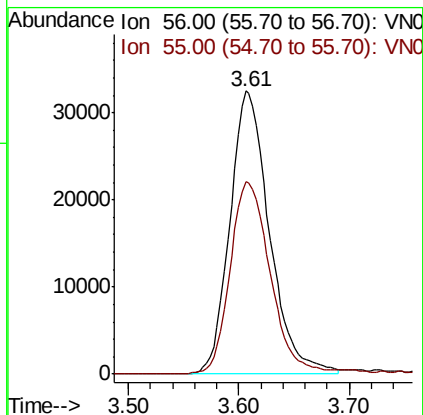
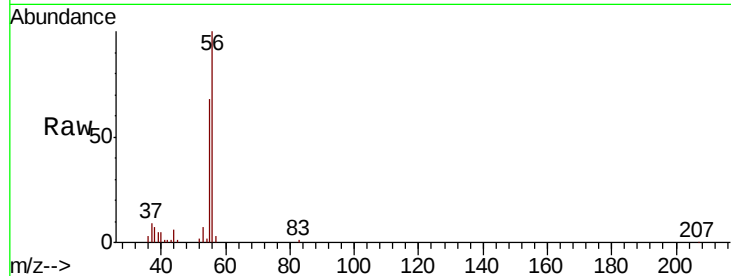
55 69.2 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.732 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

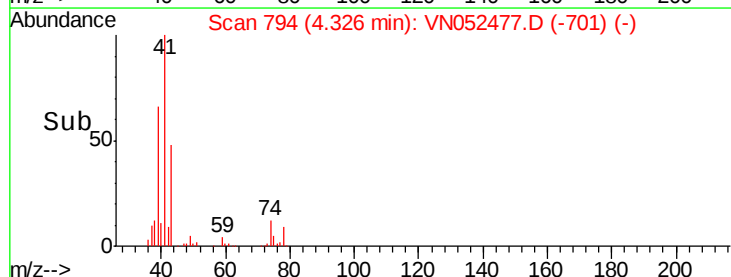
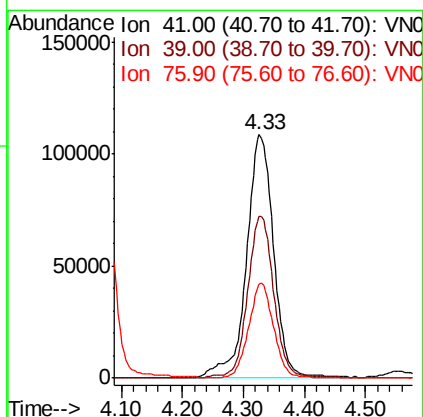
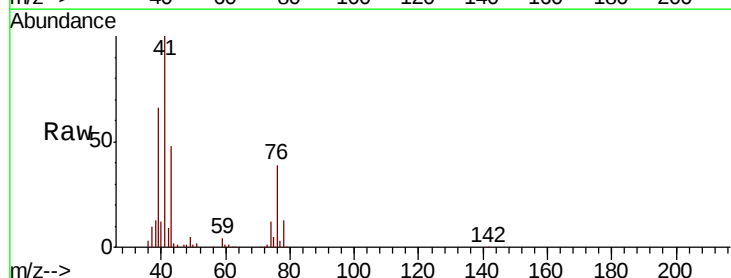
Tgt Ion: 41 Resp: 335959

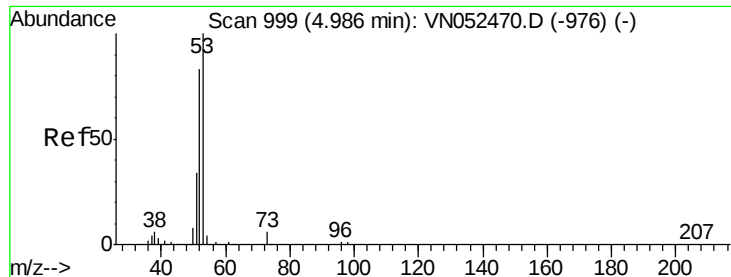
Ion Ratio Lower Upper

41 100

39 64.0 50.6 76.0

76 34.9 27.4 41.2





#15

Acrylonitrile

Concen: 90.363 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

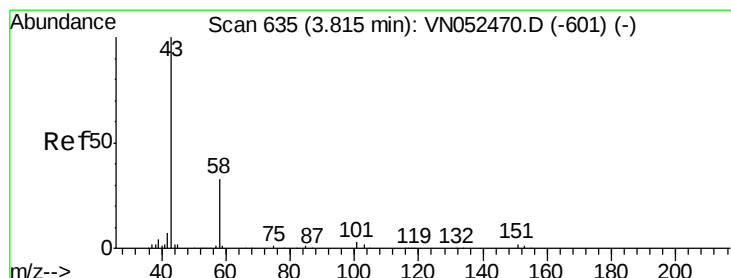
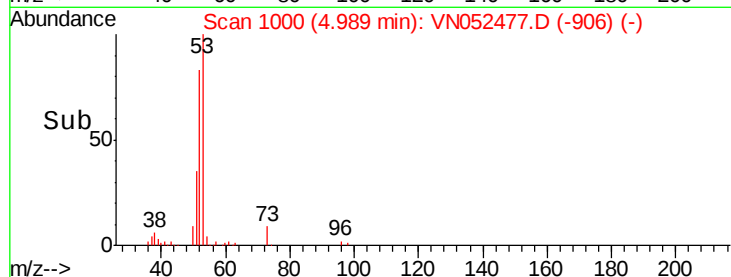
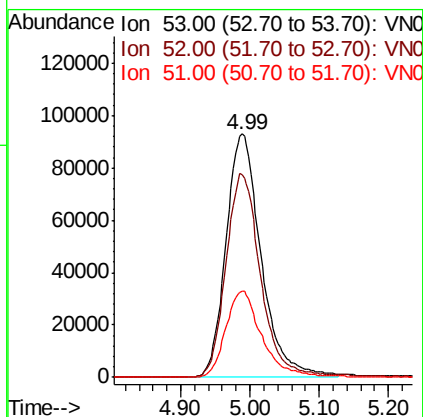
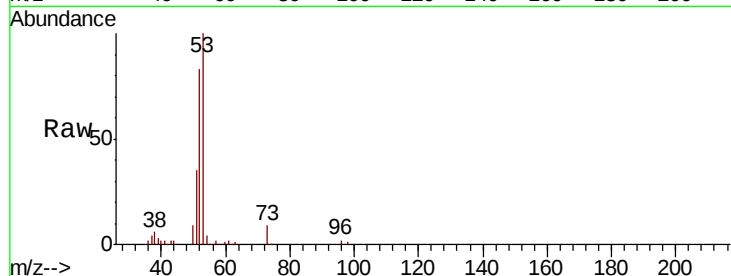
ClientSampleId :

VN1127MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 328821 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.4  | 66.2  | 99.2   |
| 51       | 36.1  | 28.1  | 42.1   |

Manual Integrations  
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#16

Acetone

Concen: 86.051 ug/l

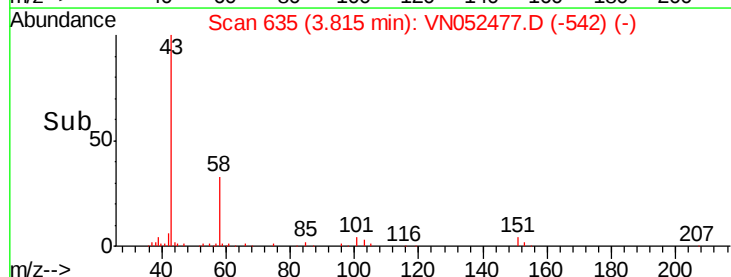
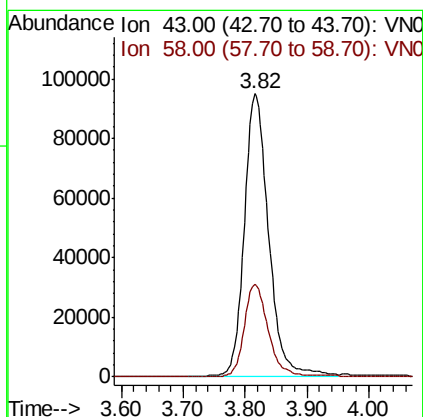
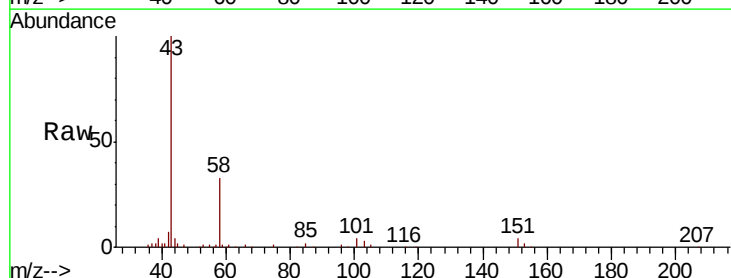
RT: 3.82 min Scan# 635

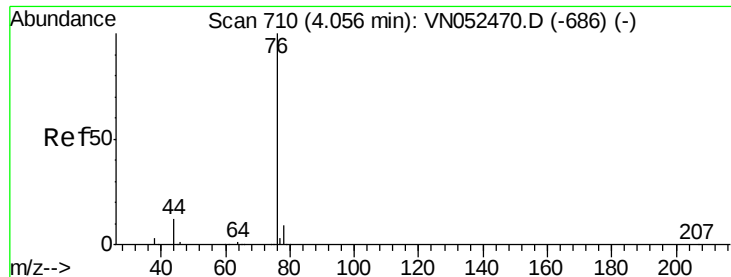
Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 260619 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 32.8  | 26.0  | 39.0   |





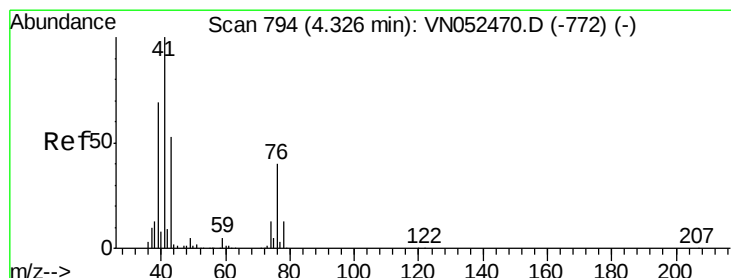
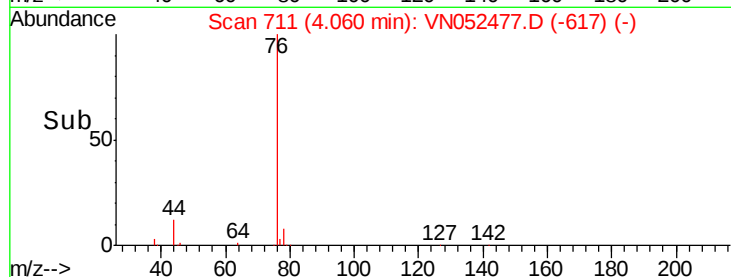
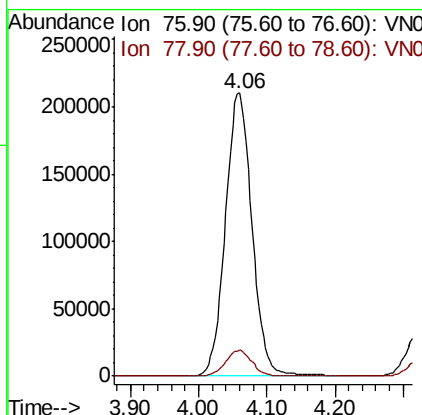
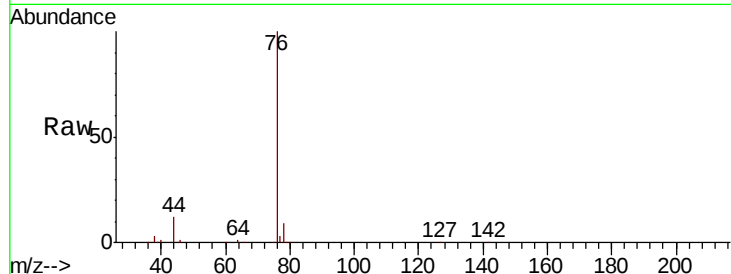
#17  
Carbon Disulfide  
Concen: 18.293 ug/l  
RT: 4.06 min Scan# 711  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

Tgt Ion: 76 Resp: 568698  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.4 11.0

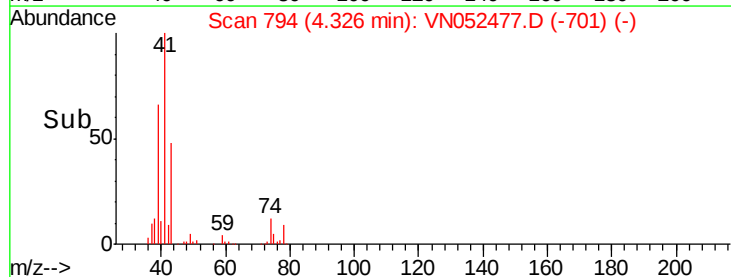
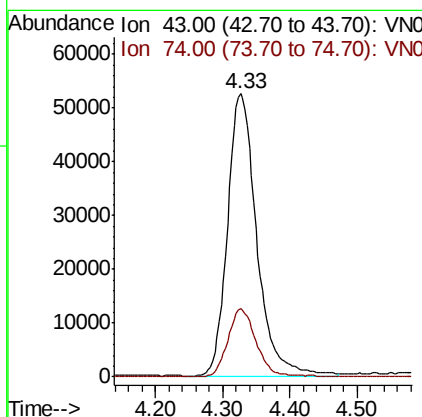
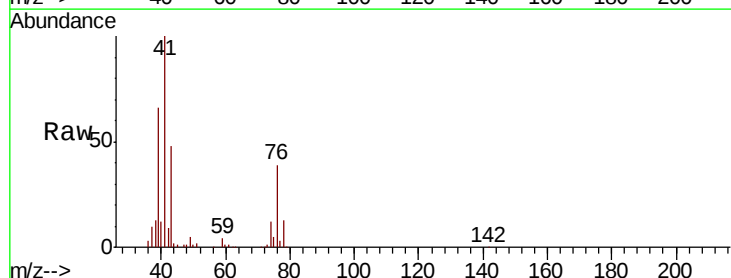
Manual Integrations  
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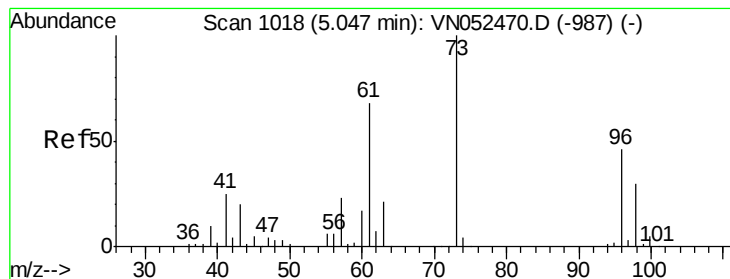
MMDadoda  
11/28/2018 9:33:52 AM



#18  
Methyl Acetate  
Concen: 18.298 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Tgt Ion: 43 Resp: 158969  
Ion Ratio Lower Upper  
43 100  
74 23.3 18.6 27.8





#19

Methyl tert-butyl Ether

Concen: 19.349 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampled :

VN1127MBS01

Tgt Ion: 73 Resp: 508564

Ion Ratio Lower Upper

73 100

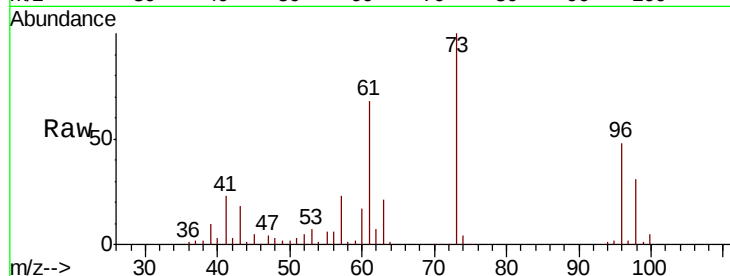
57 22.7 18.2 27.2

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Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

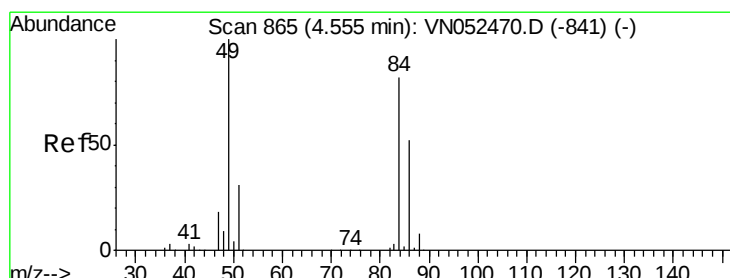
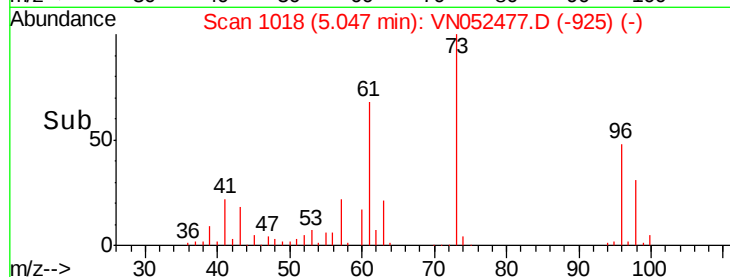
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 18.730 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Tgt Ion: 84 Resp: 221990

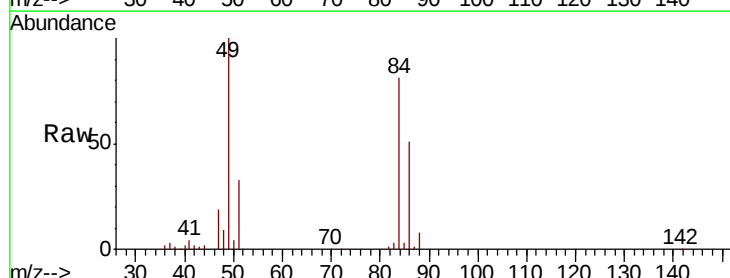
Ion Ratio Lower Upper

84 100

49 123.0 98.0 147.0

51 41.0 30.1 45.1

86 62.4 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

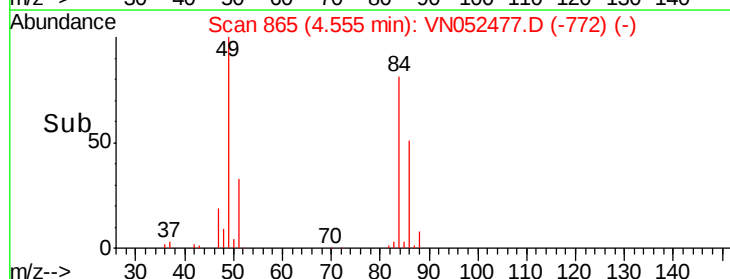
Ion 85.90 (85.60 to 86.60): VNO

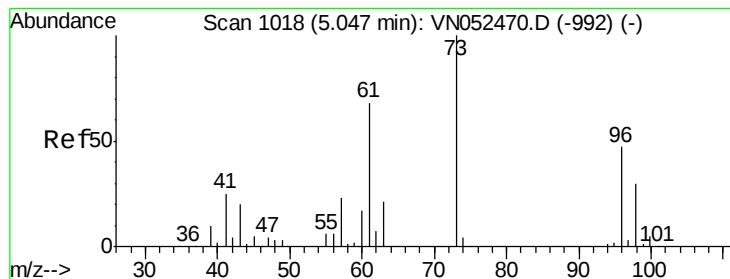
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 19.784 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 96 Resp: 208738

Ion Ratio Lower Upper

96 100

61 140.2 117.0 175.4

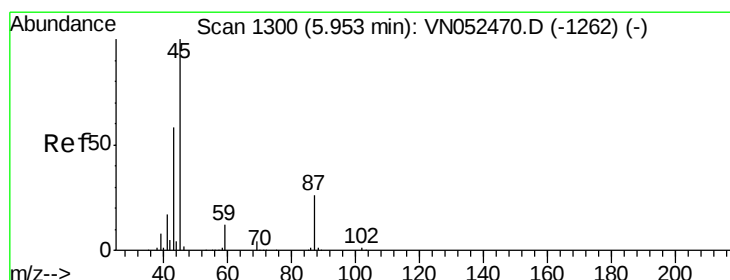
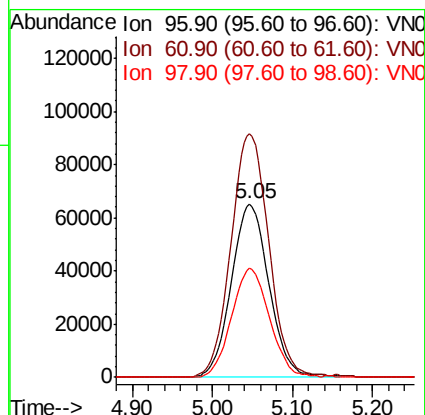
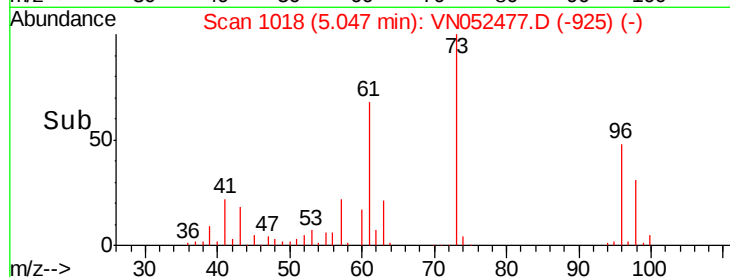
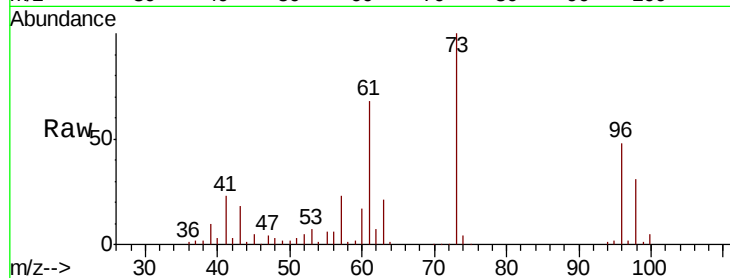
98 63.2 51.8 77.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.671 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Tgt Ion: 45 Resp: 703495

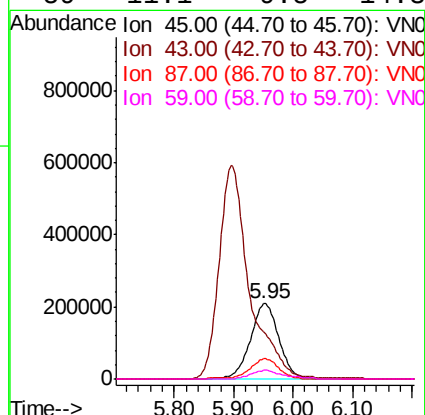
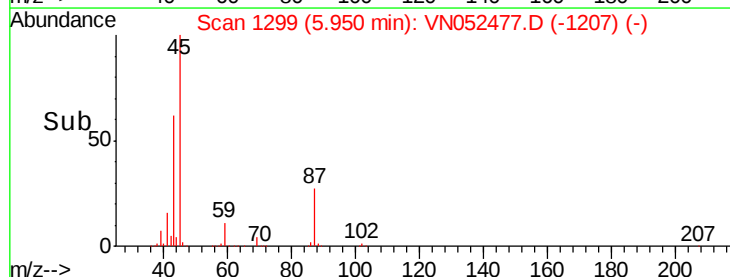
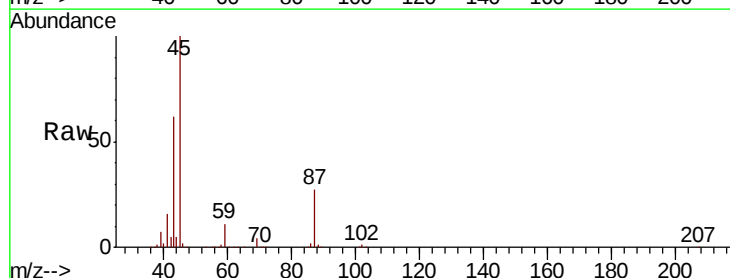
Ion Ratio Lower Upper

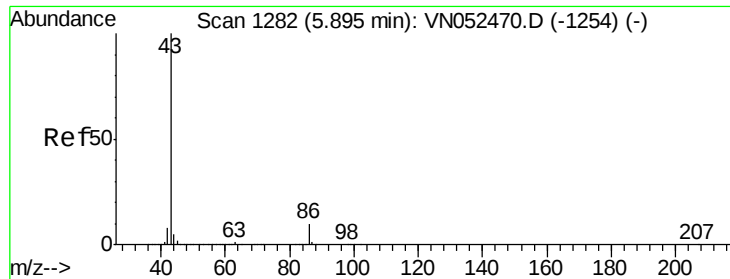
45 100

43 61.8 46.1 69.1

87 26.9 21.3 31.9

59 11.1 9.5 14.3





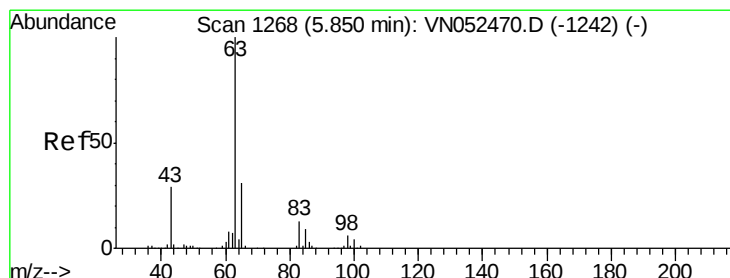
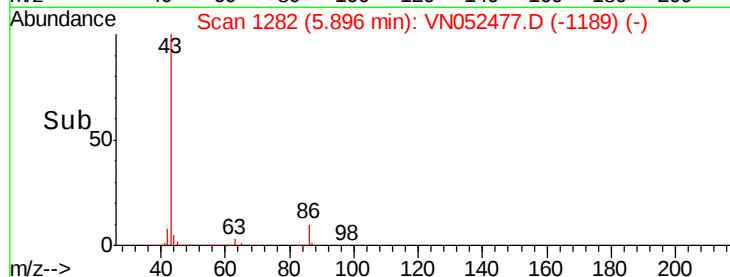
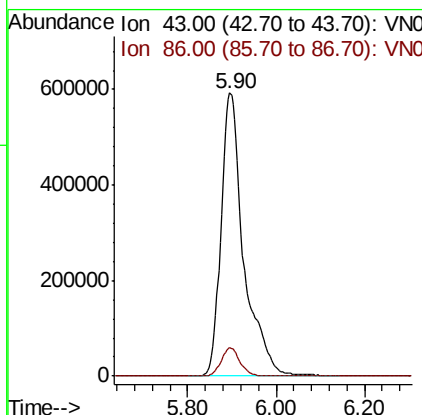
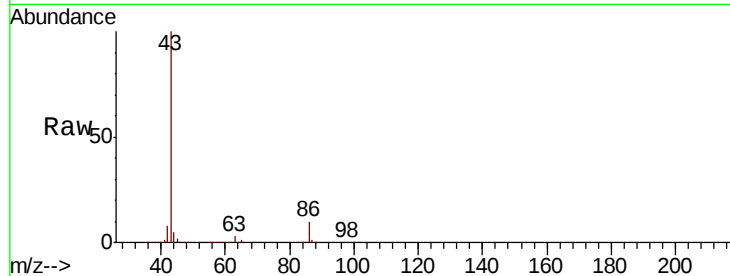
#23  
 Vinyl Acetate  
 Concen: 94.781 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127MBS01

Tgt Ion: 43 Resp: 2111309  
 Ion Ratio Lower Upper  
 43 100  
 86 10.0 7.8 11.8

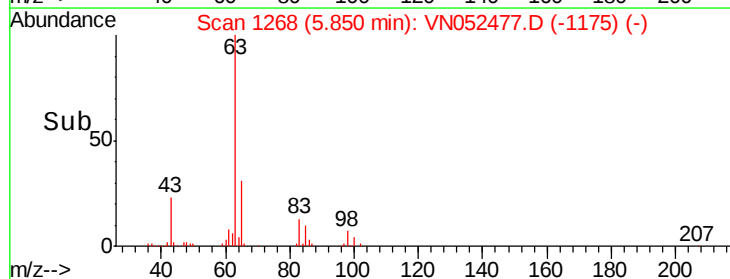
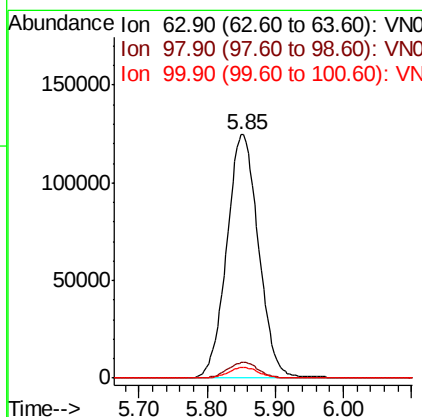
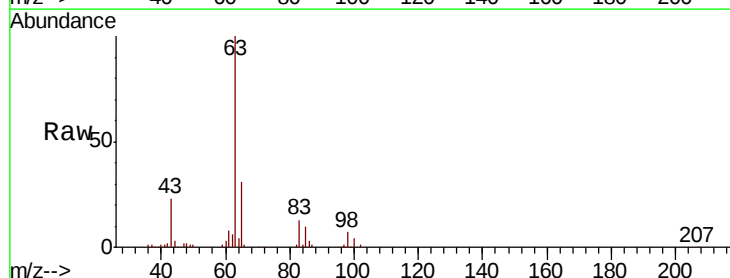
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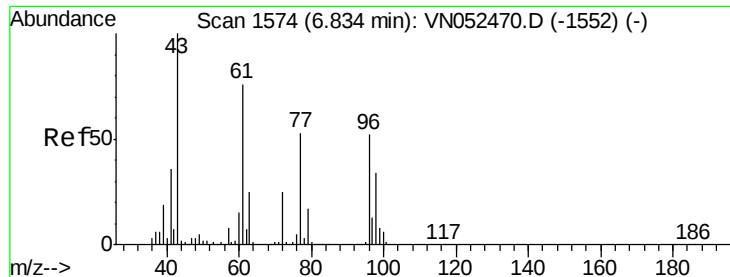
MMDadoda  
 11/28/2018 9:33:52 AM



#24  
 1,1-Dichloroethane  
 Concen: 19.816 ug/l  
 RT: 5.85 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

Tgt Ion: 63 Resp: 404647  
 Ion Ratio Lower Upper  
 63 100  
 98 6.6 3.0 9.2  
 100 4.4 2.0 5.8





#25

2-Butanone

Concen: 87.392 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 43 Resp: 375155

Ion Ratio Lower Upper

43 100

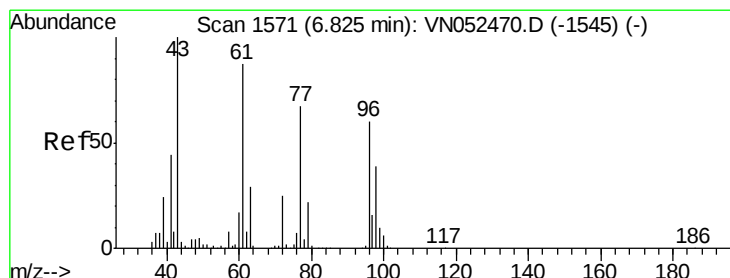
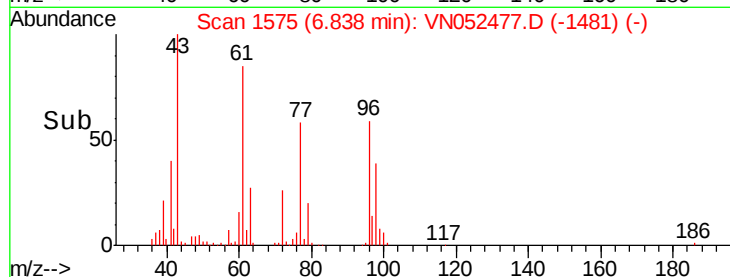
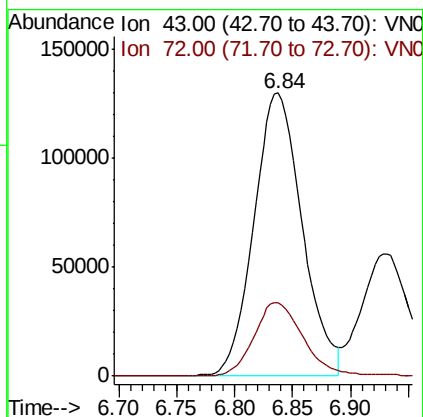
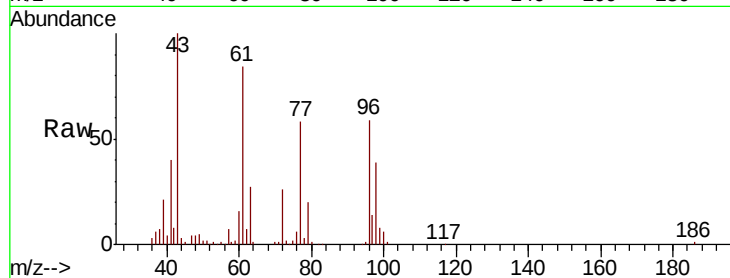
72 25.8 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 19.457 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN052477.D

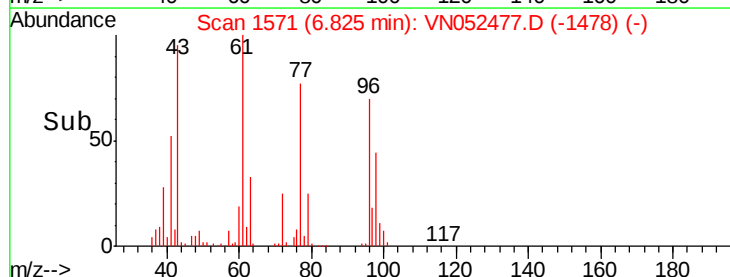
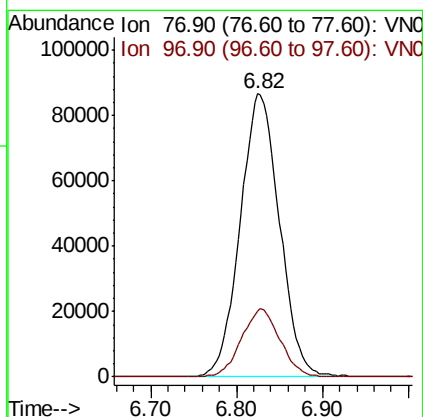
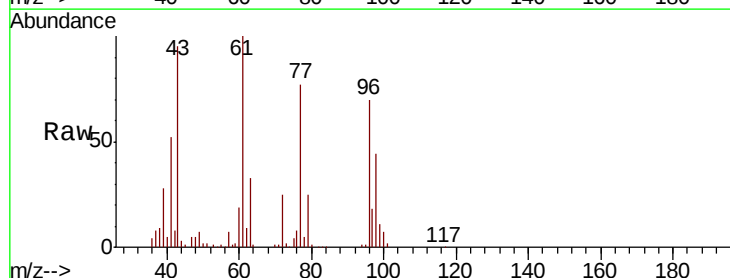
Acq: 27 Nov 2018 14:33

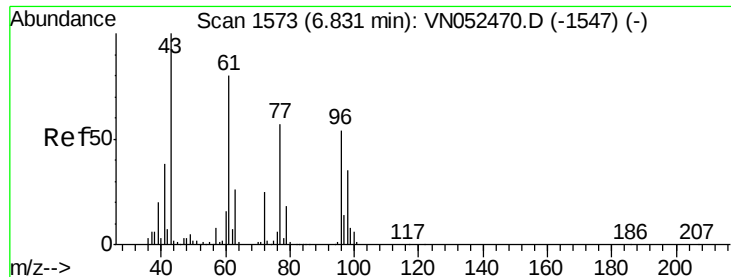
Tgt Ion: 77 Resp: 275003

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.650 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

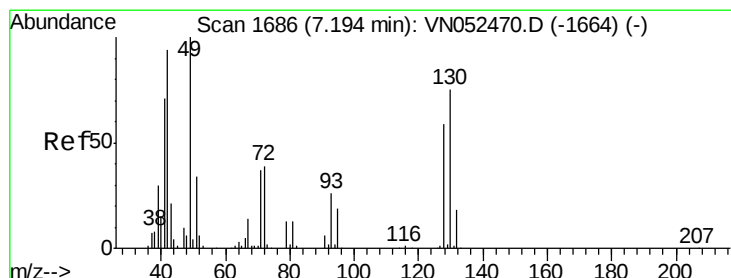
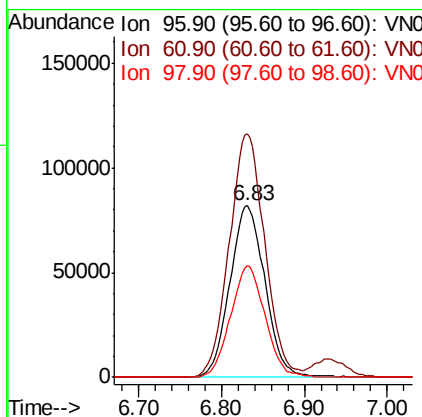
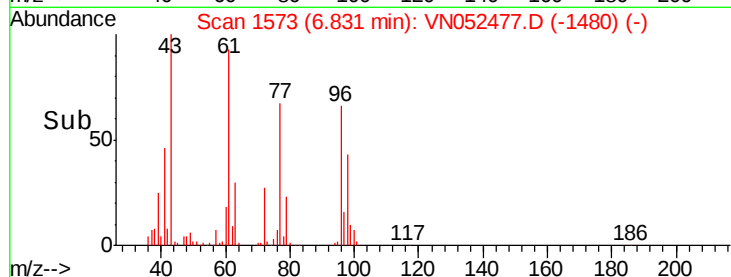
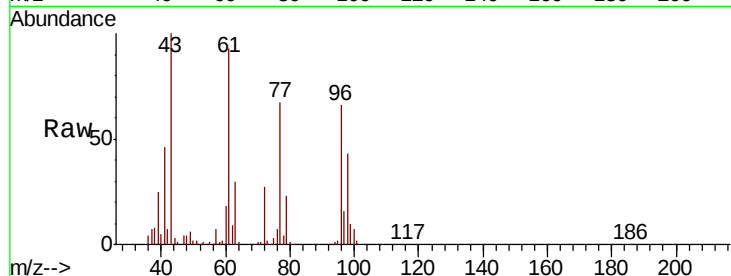
ClientSampleId :

VN1127MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 241498 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 143.3 | 0.0   | 291.0  |
| 98        | 64.0  | 0.0   | 130.0  |

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#28

Bromochloromethane

Concen: 19.898 ug/l

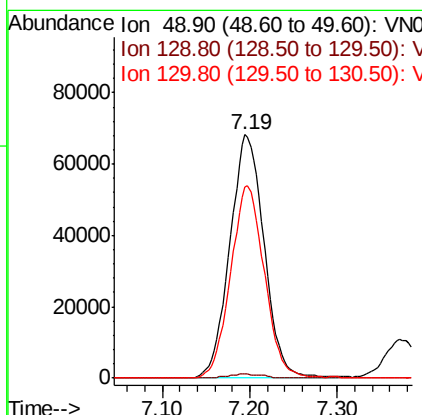
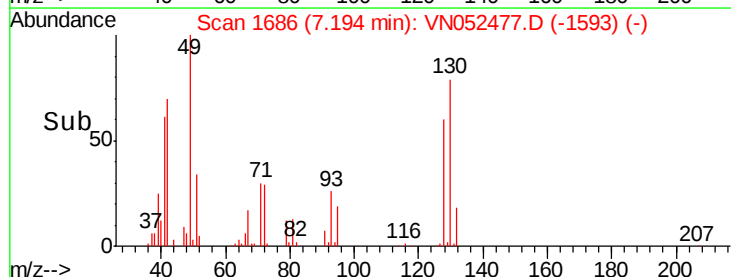
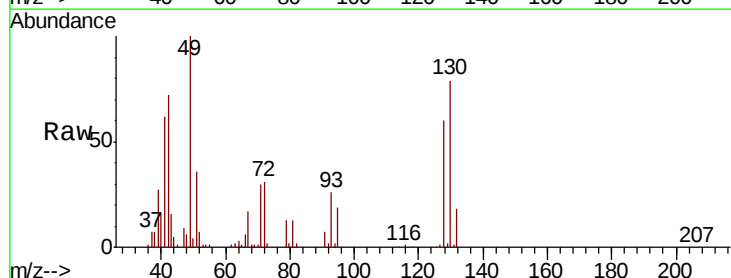
RT: 7.19 min Scan# 1686

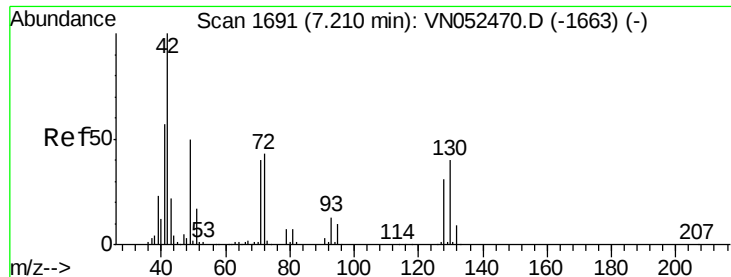
Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 185581 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 1.7   | 0.0   | 3.8    |
| 130       | 77.8  | 60.2  | 90.2   |





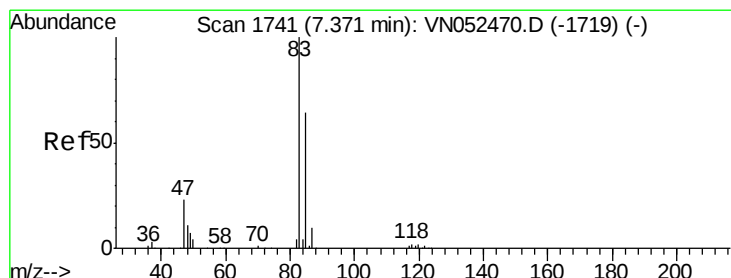
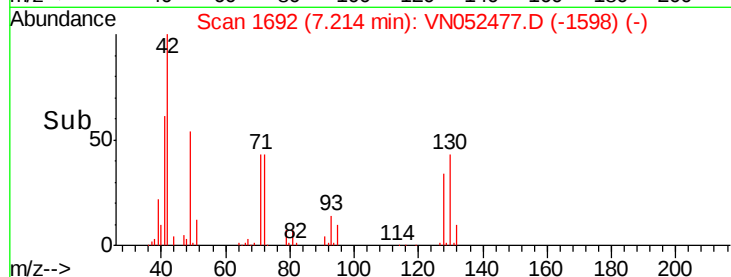
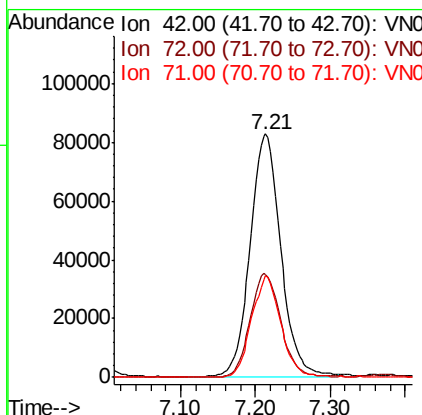
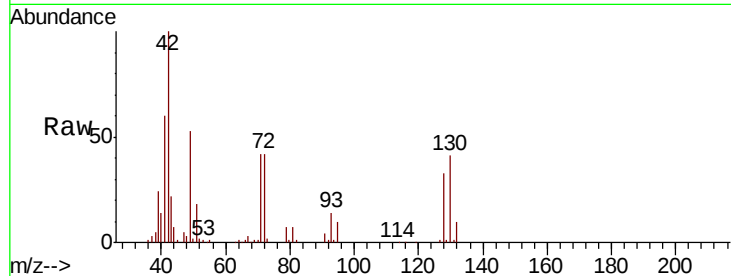
#29  
Tetrahydrofuran  
Concen: 86.281 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.6  | 33.3  | 49.9  |
| 71      | 39.6  | 32.0  | 48.0  |

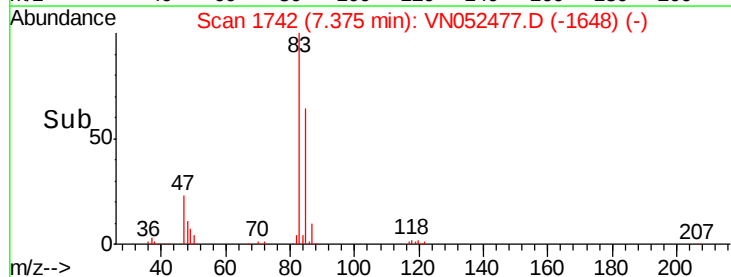
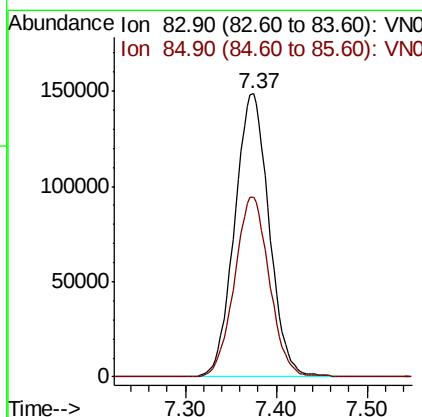
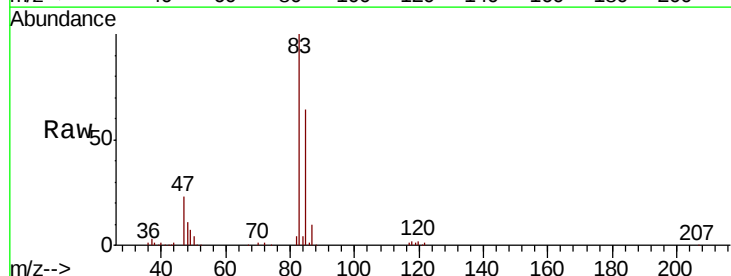
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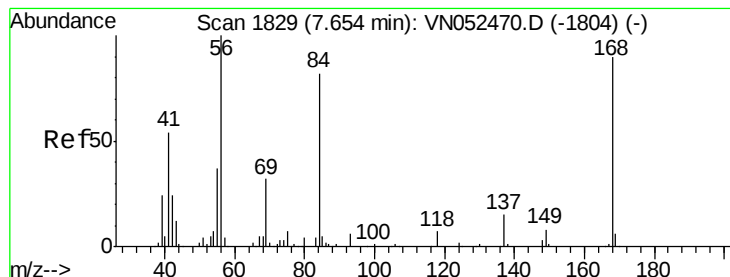
MMDadoda  
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#30  
Chloroform  
Concen: 19.189 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.6  | 51.0  | 76.4  |





#31

Cyclohexane

Concen: 19.612 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 56 Resp: 392009

Ion Ratio Lower Upper

56 100

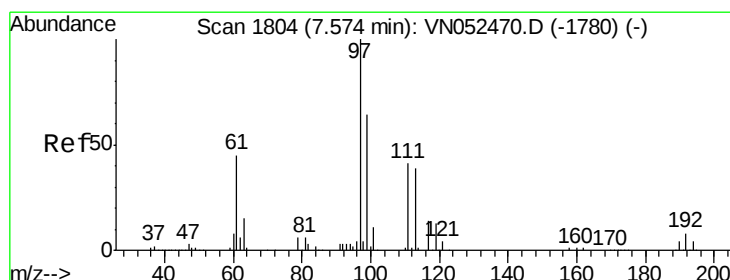
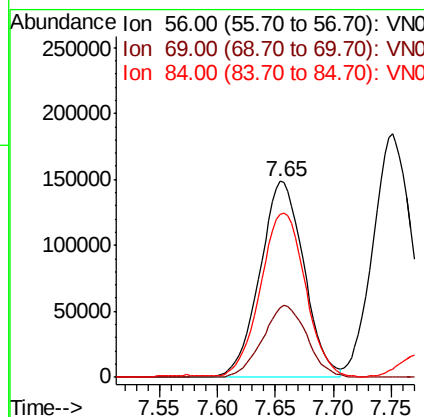
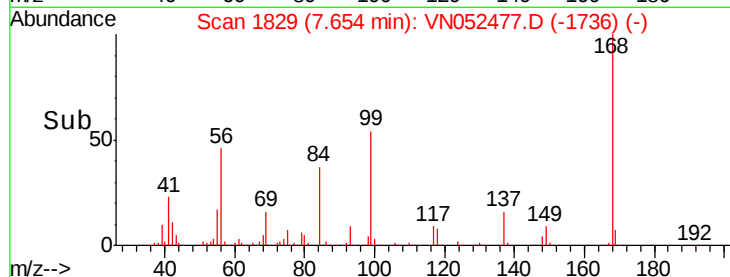
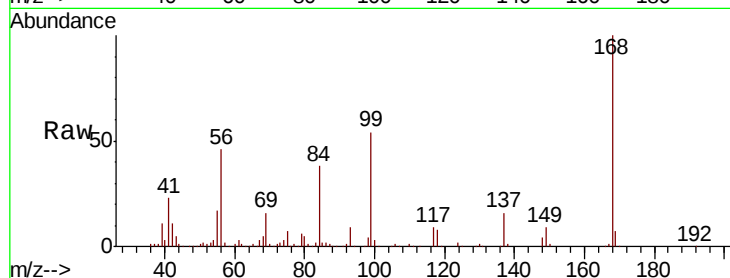
69 35.3 25.8 38.6

84 82.3 65.3 97.9

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#32

1,1,1-Trichloroethane

Concen: 19.546 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

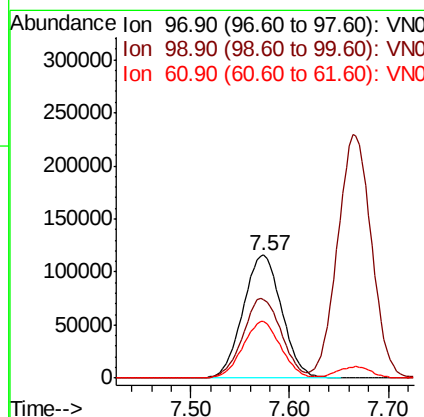
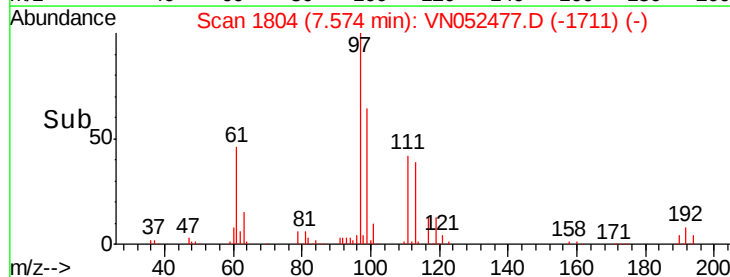
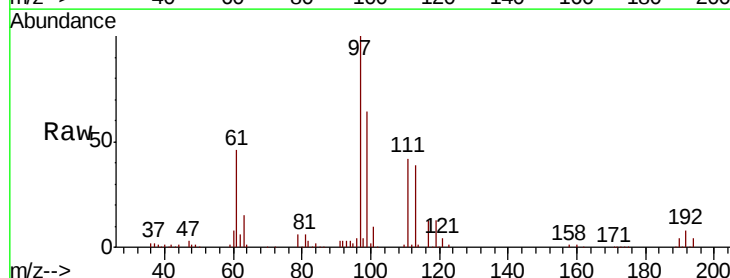
Tgt Ion: 97 Resp: 315504

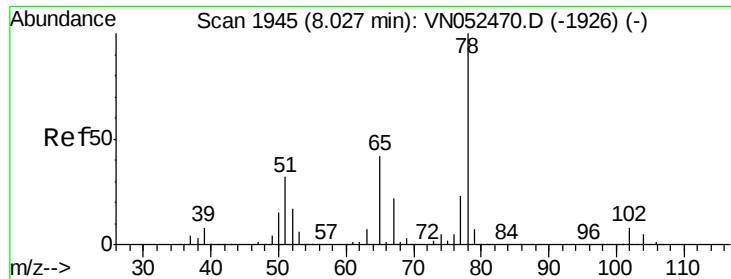
Ion Ratio Lower Upper

97 100

99 63.7 51.7 77.5

61 45.1 36.8 55.2





#33

1,2-Dichloroethane-d4

Concen: 19.546 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 65 Resp: 230340

Ion Ratio Lower Upper

65 100

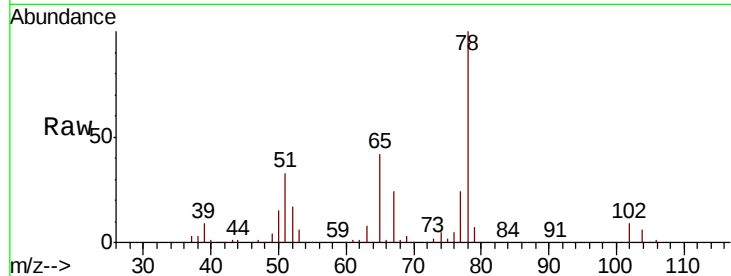
67 55.9 0.0 109.8

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Abundance Ion 64.90 (64.60 to 65.60): VN052477.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN052477.D (-1852) (-)

8.03

100000

80000

60000

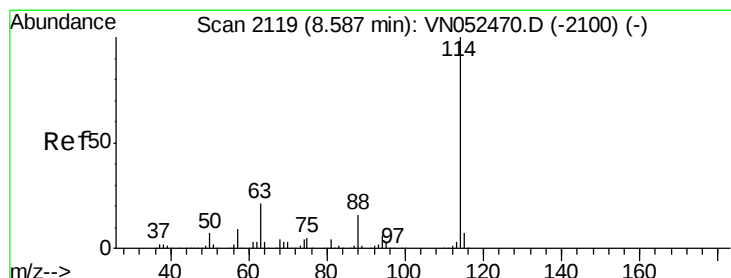
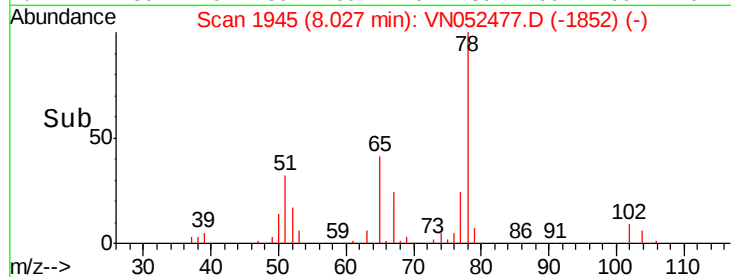
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

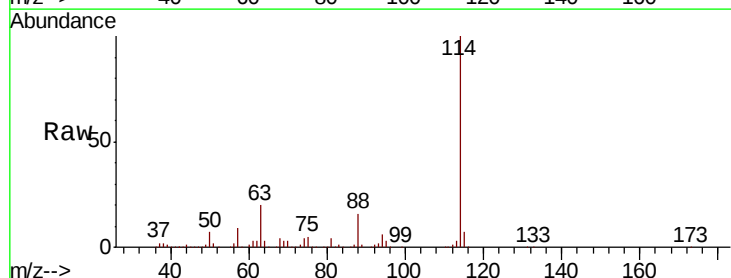
Tgt Ion: 114 Resp: 1644506

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.8

88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN052477.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN052477.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN052477.D (-2026) (-)

8.59

1000000

800000

600000

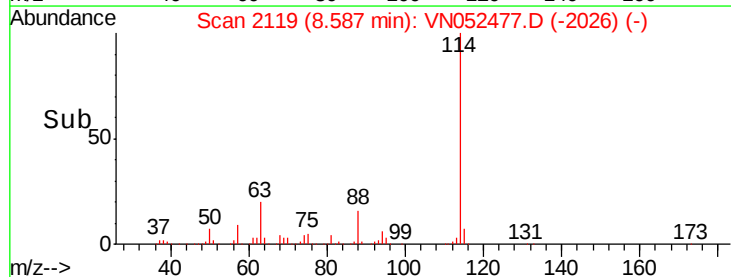
400000

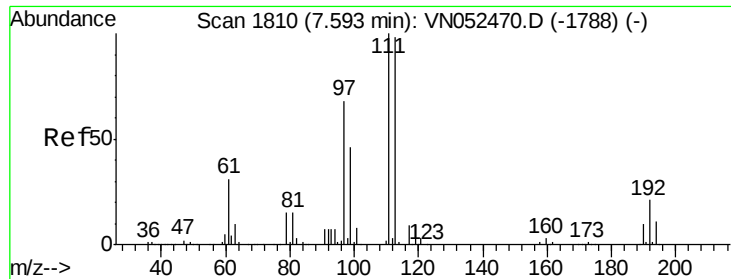
200000

0

8.50 8.60 8.70 8.80

Time-->





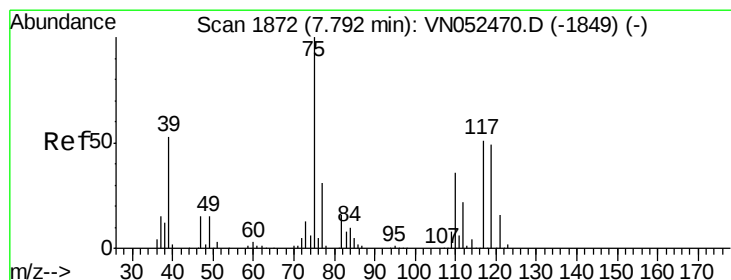
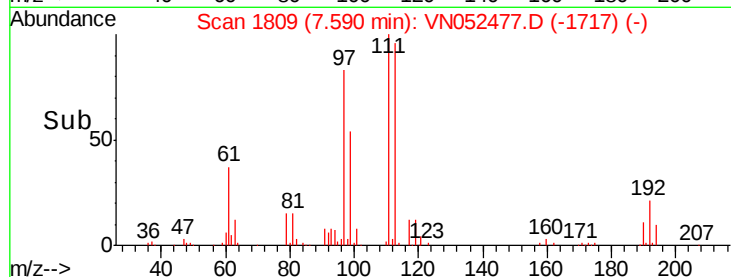
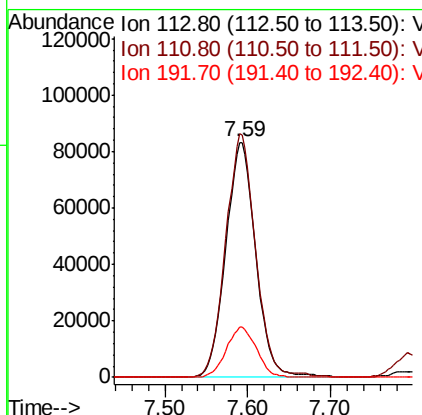
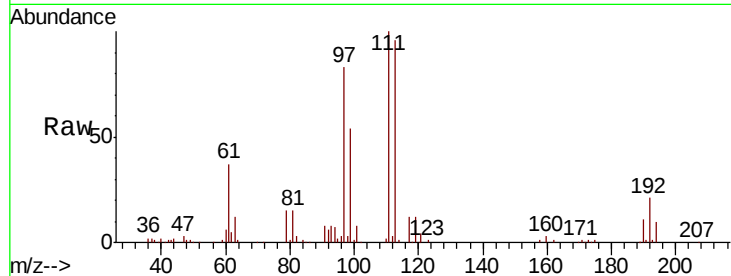
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127MBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 209492 |       |       |
| 111     | 102.4 | 82.0   | 123.0 |       |
| 192     | 21.4  | 17.0   | 25.6  |       |

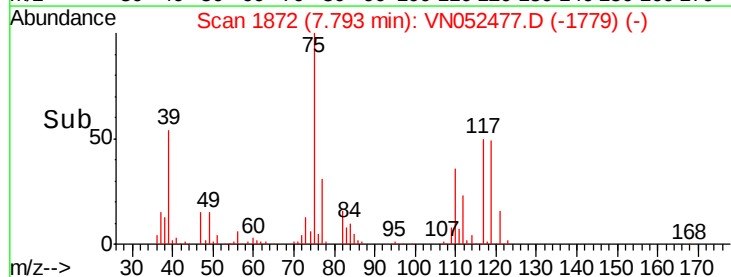
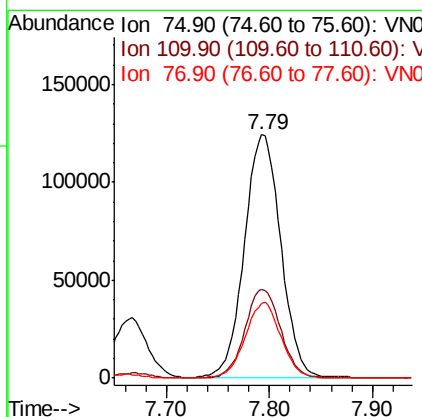
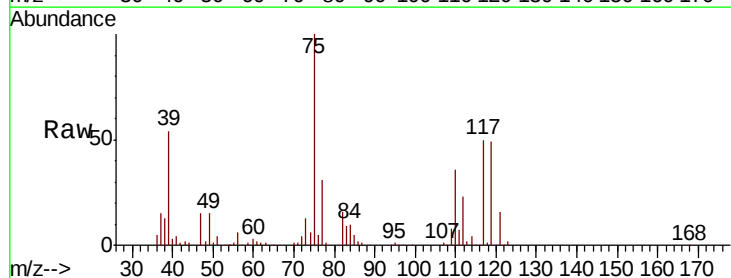
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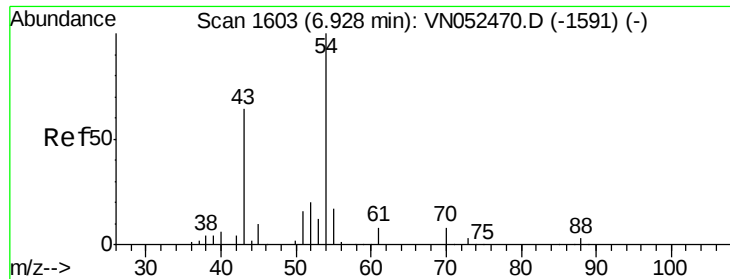
MMDadoda  
 11/28/2018 9:33:52 AM



#36  
 1,1-Dichloropropene  
 Concen: 19.549 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 303583 |       |       |
| 110     | 36.0  | 17.5   | 52.6  |       |
| 77      | 30.8  | 24.5   | 36.7  |       |





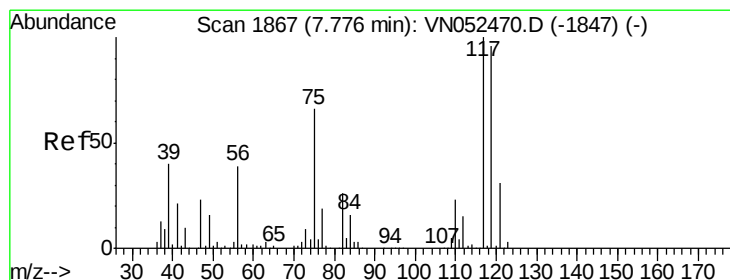
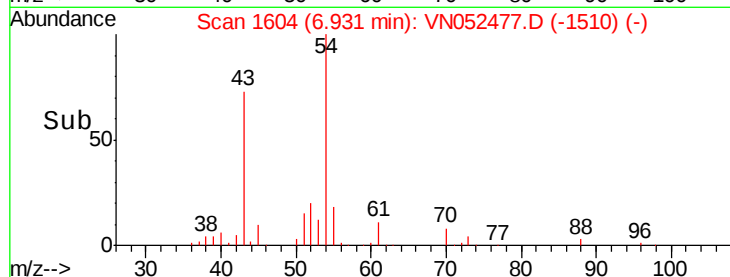
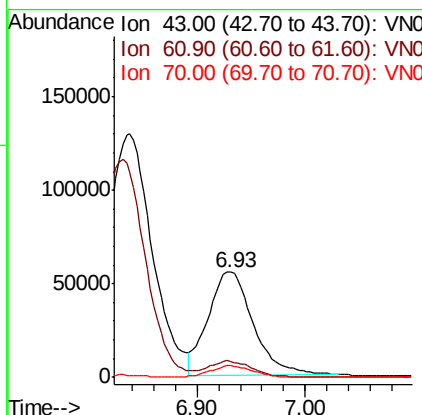
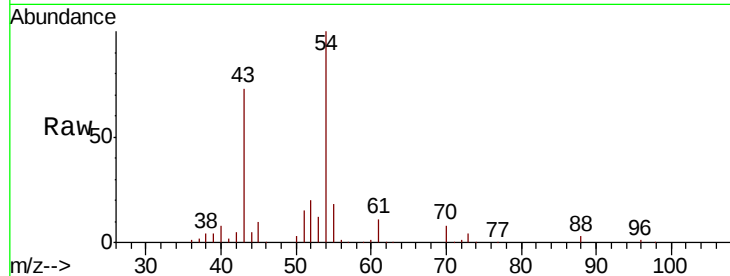
#37  
Ethyl Acetate  
Concen: 17.161 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.0  | 11.8  | 17.8  |
| 70      | 9.9   | 7.8   | 11.8  |

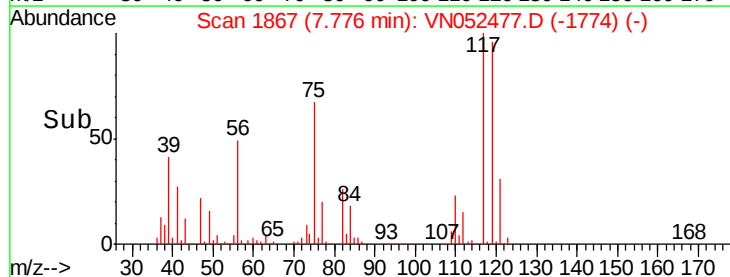
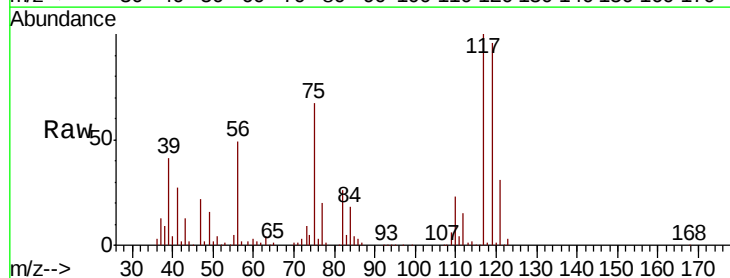
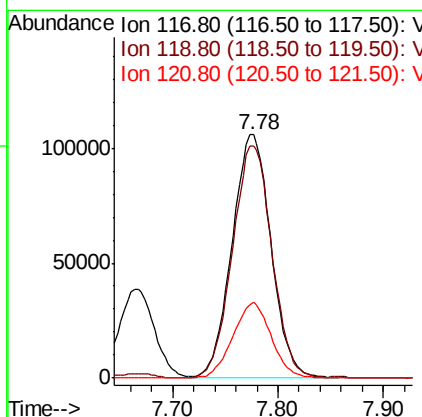
Manual Integrations  
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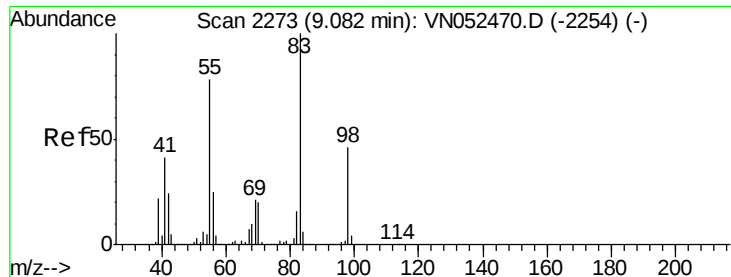
MMDadoda  
11/28/2018 9:33:52 AM



#38  
Carbon Tetrachloride  
Concen: 19.205 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.6  | 76.8  | 115.2 |
| 121     | 31.1  | 24.9  | 37.3  |





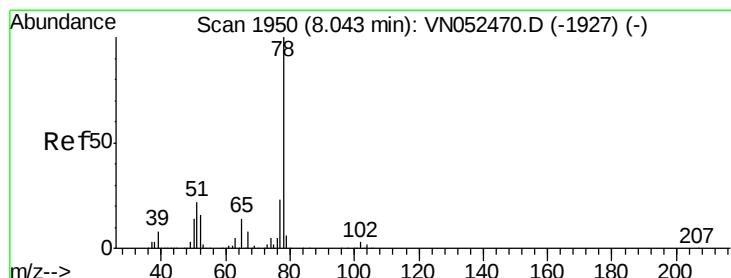
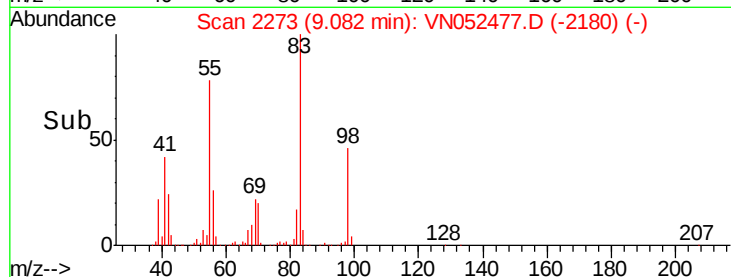
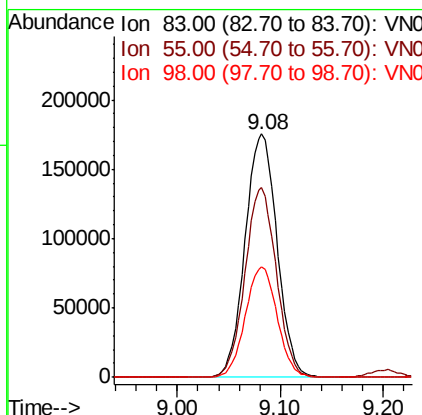
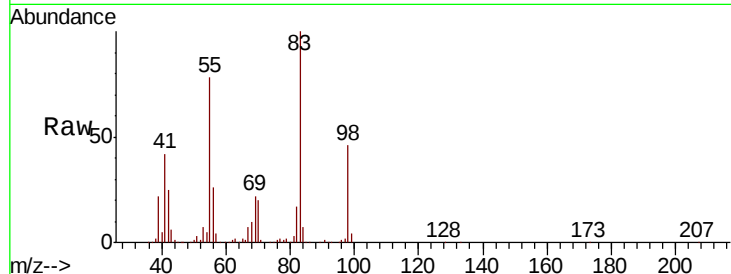
#39  
Methylcyclohexane  
Concen: 20.025 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 377990 |       |       |
| 55      | 77.8  | 62.2   | 93.2  |       |
| 98      | 45.5  | 36.4   | 54.6  |       |

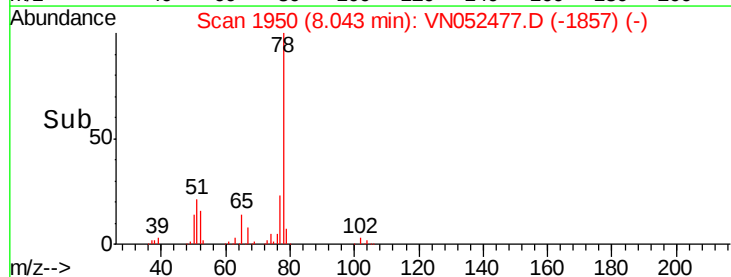
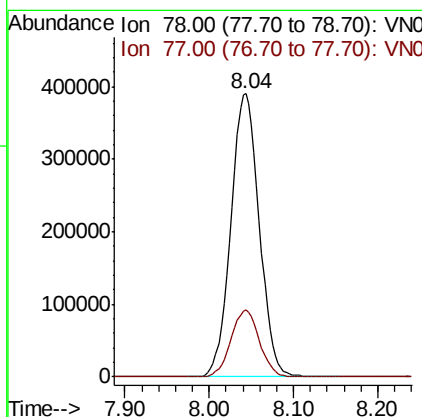
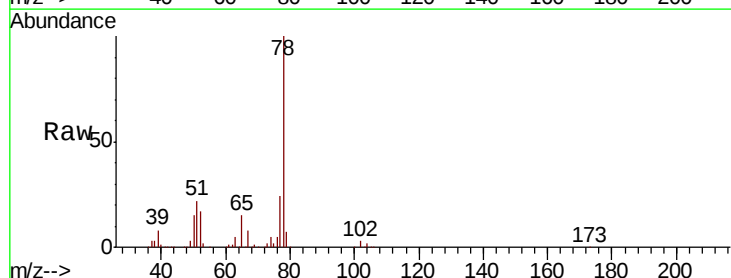
Manual Integrations  
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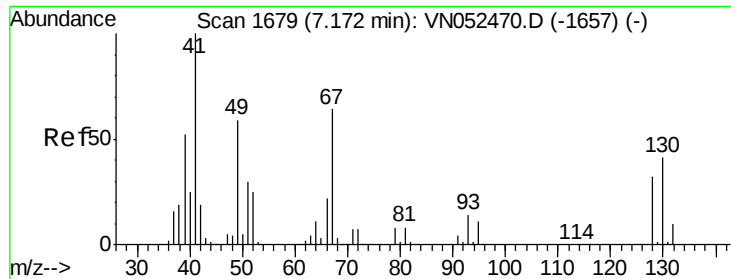
MMDadoda  
11/28/2018 9:33:52 AM



#40  
Benzene  
Concen: 19.721 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 912696 |       |       |
| 77      | 23.6  | 18.8   | 28.2  |       |





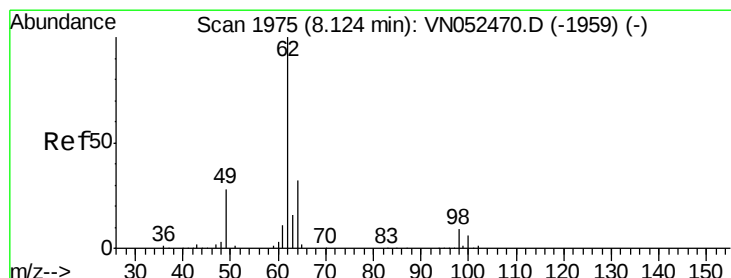
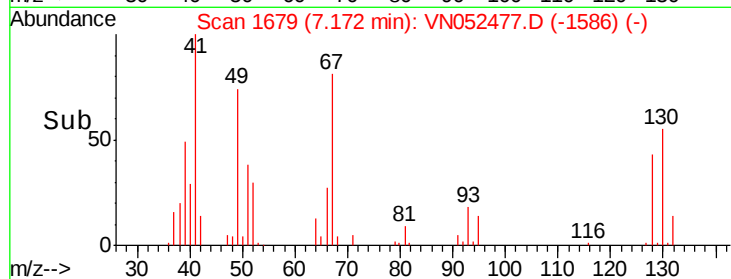
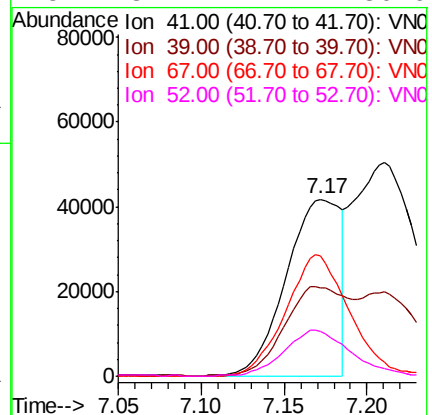
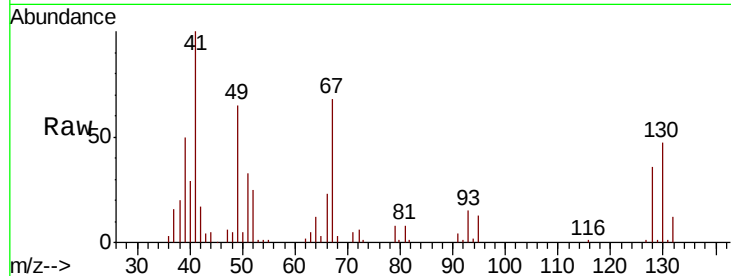
#41  
Methacrylonitrile  
Concen: 18.466 ug/l  
RT: 7.17 min Scan# 1679  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 58.8  | 50.9  | 76.3  |
| 67      | 81.2  | 63.6  | 95.4  |
| 52      | 32.4  | 24.4  | 36.6  |

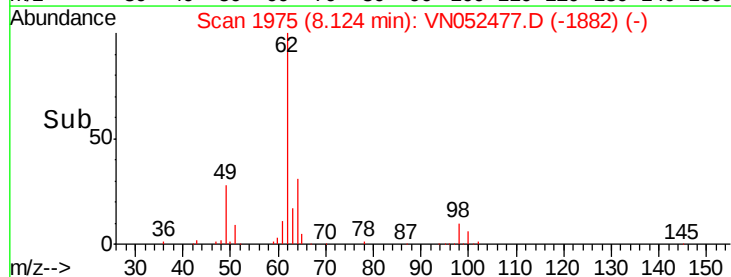
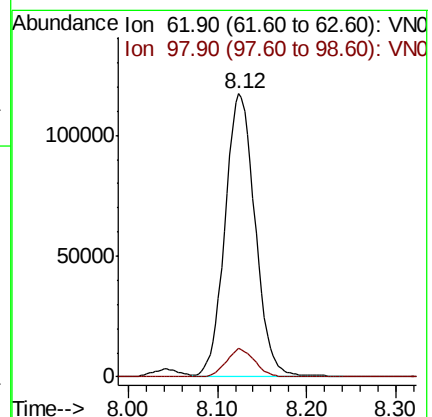
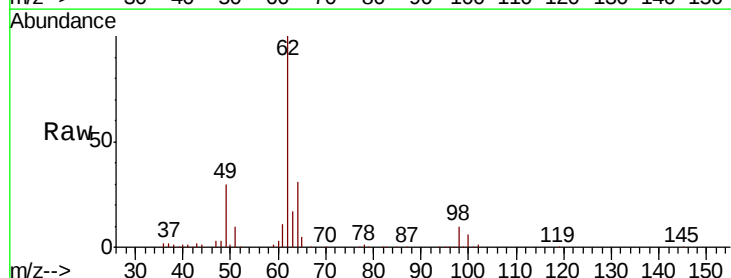
Manual Integrations  
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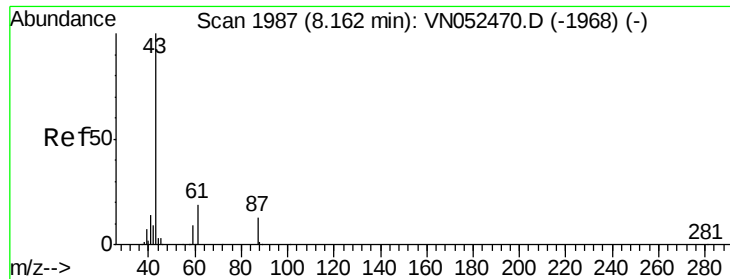
MMDadoda  
11/28/2018 9:33:52 AM



#42  
1,2-Dichloroethane  
Concen: 19.492 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.4   | 0.0   | 18.6  |





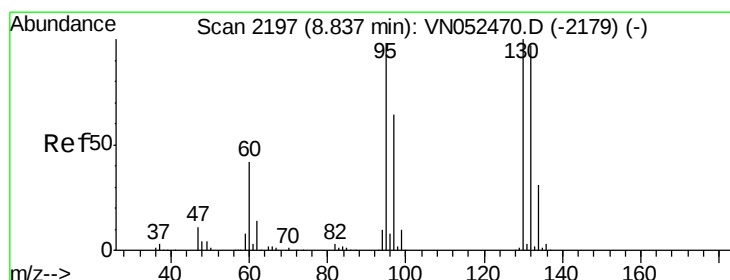
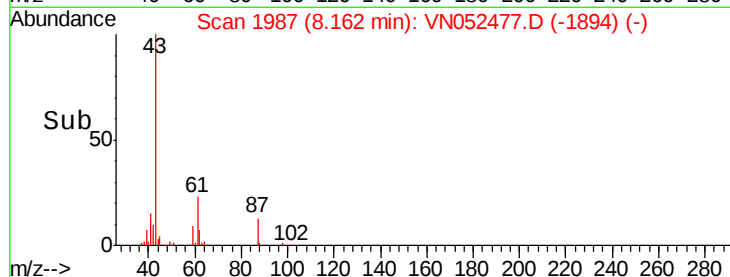
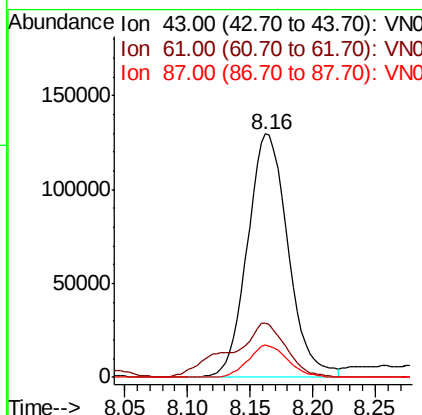
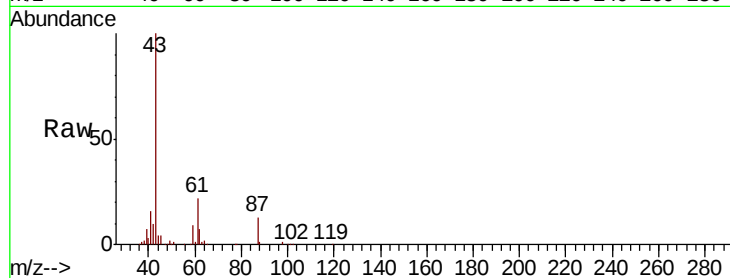
#43  
Isopropyl Acetate  
Concen: 18.162 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 30.2  | 24.1  | 36.1  |
| 87      | 12.9  | 10.6  | 15.8  |

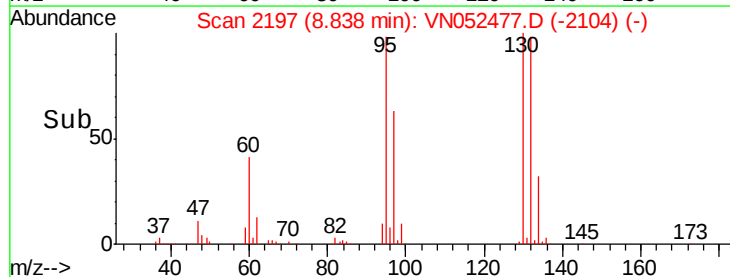
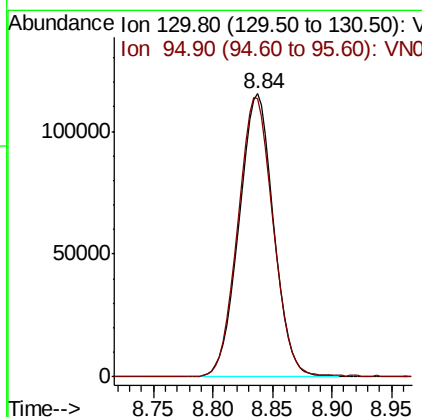
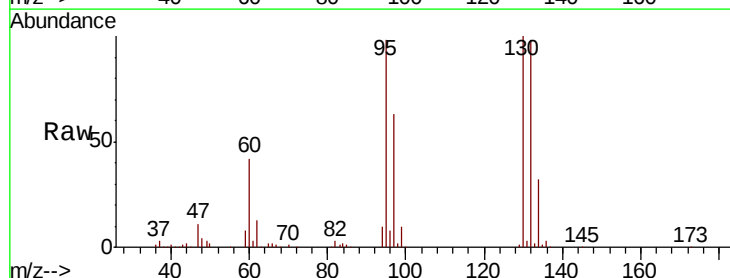
Manual Integrations  
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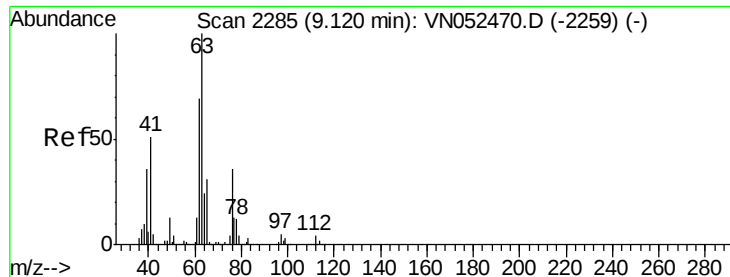
MMDadoda  
11/28/2018 9:33:52 AM



#44  
Trichloroethene  
Concen: 19.619 ug/l  
RT: 8.84 min Scan# 2197  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 98.2  | 0.0   | 195.6 |





#45

1,2-Dichloropropane

Concen: 20.018 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 63 Resp: 246312

Ion Ratio Lower Upper

63 100

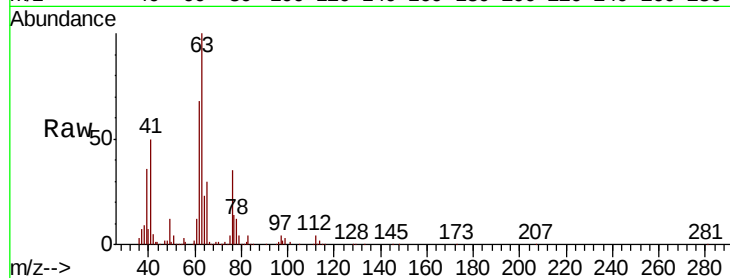
65 30.0 25.0 37.6

Manual Integrations

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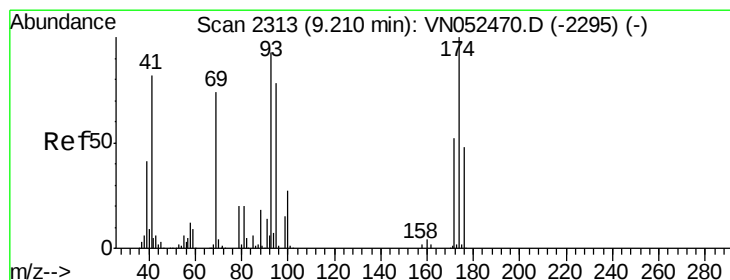
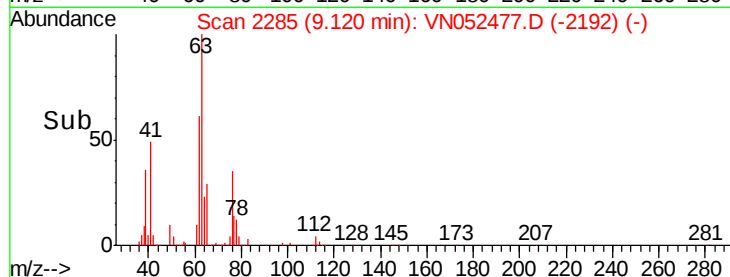
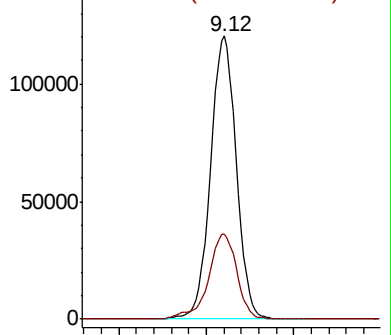
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 19.218 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

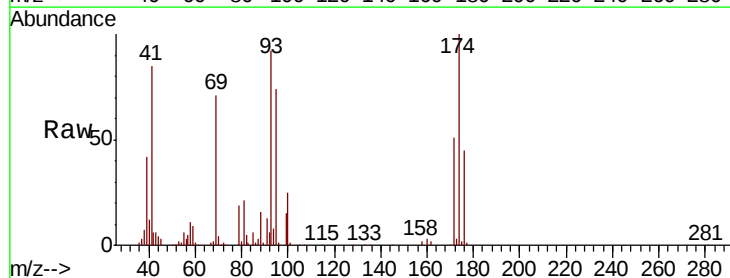
Tgt Ion: 93 Resp: 130904

Ion Ratio Lower Upper

93 100

95 84.6 67.1 100.7

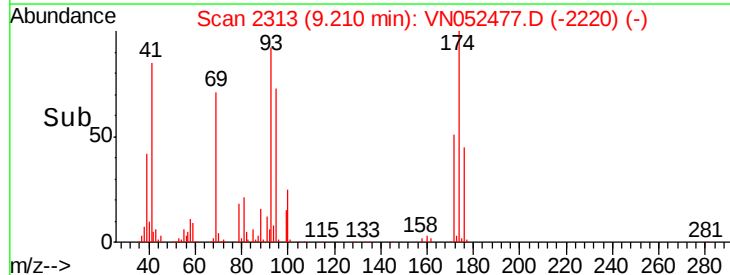
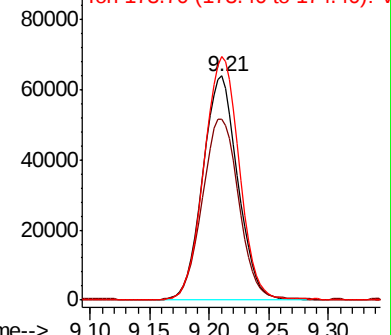
174 109.0 85.8 128.8

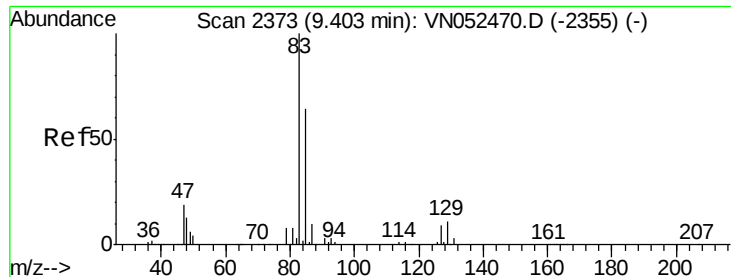


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 19.388 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

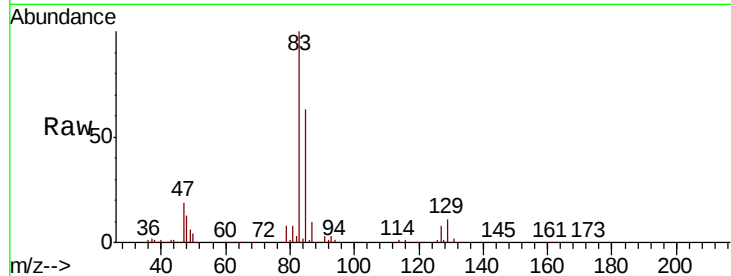
ClientSampleId :

VN1127MBS01

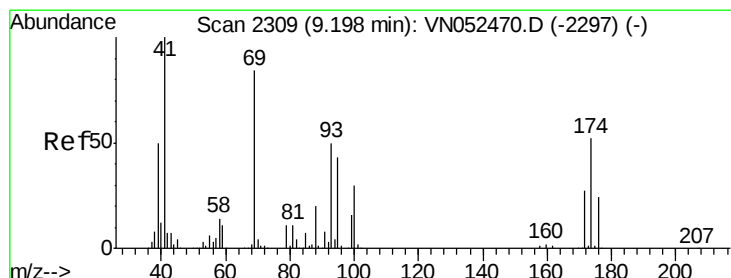
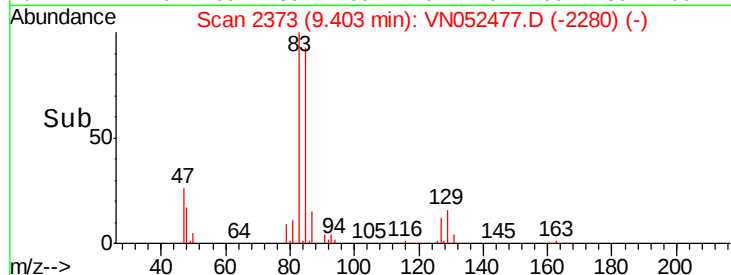
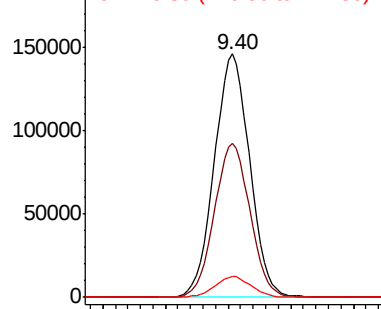
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 287120 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.3  | 51.3  | 76.9   |
| 127      | 8.4   | 6.9   | 10.3   |

Manual Integrations  
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Abundance Ion 82.90 (82.60 to 83.60): VN052477.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.145 ug/l

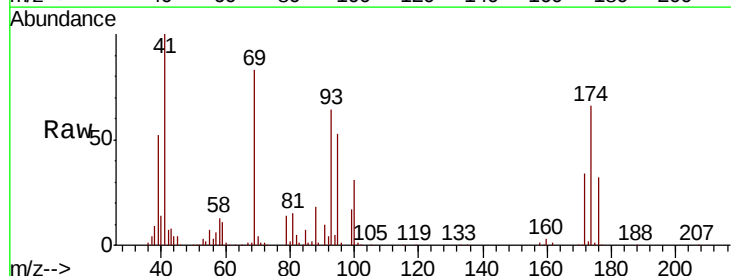
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

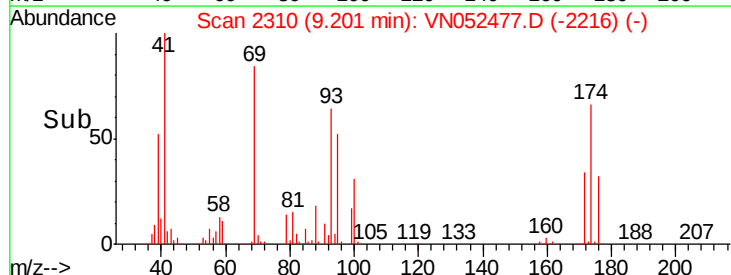
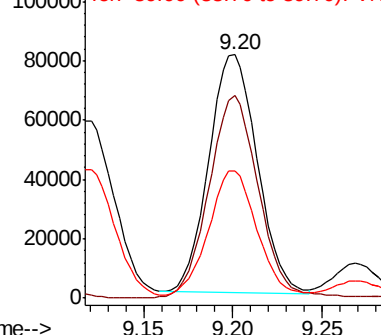
Lab File: VN052477.D

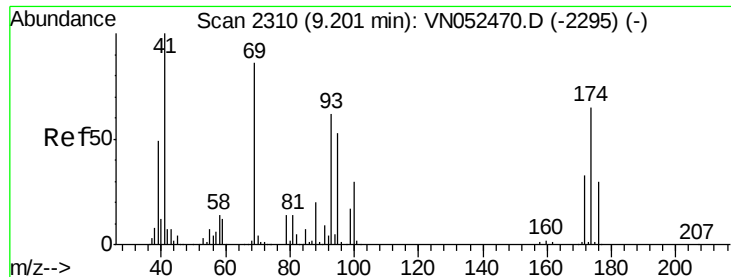
Acq: 27 Nov 2018 14:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 151753 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 87.0  | 70.0  | 105.0  |
| 39       | 54.0  | 42.6  | 64.0   |



Abundance Ion 41.00 (40.70 to 41.70): VN052477.D (-2216) (-)





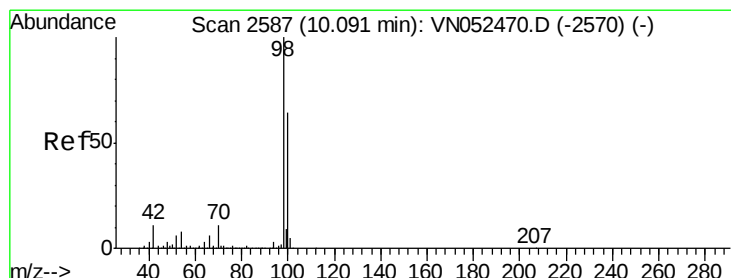
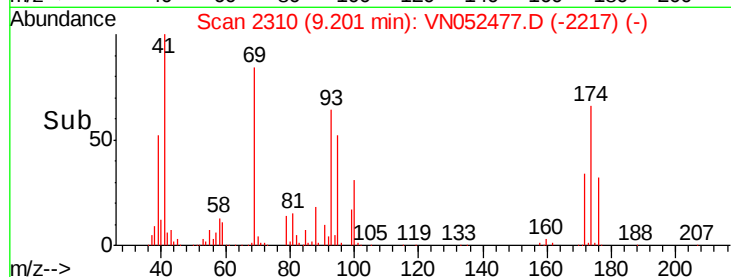
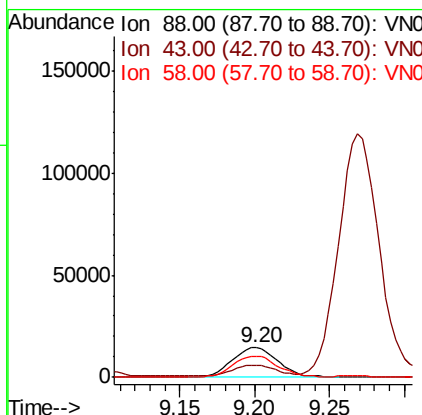
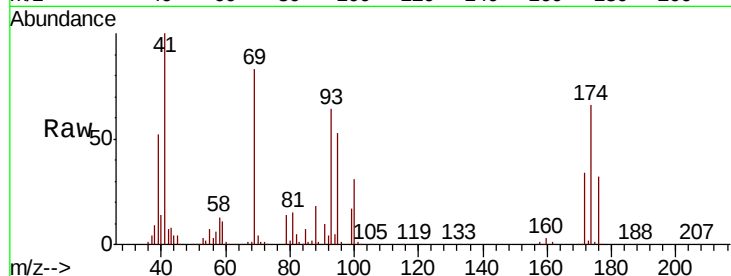
#49  
1,4-Dioxane  
Concen: 357.290 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 34.4  | 26.4  | 39.6  |
| 58      | 72.1  | 55.4  | 83.0  |

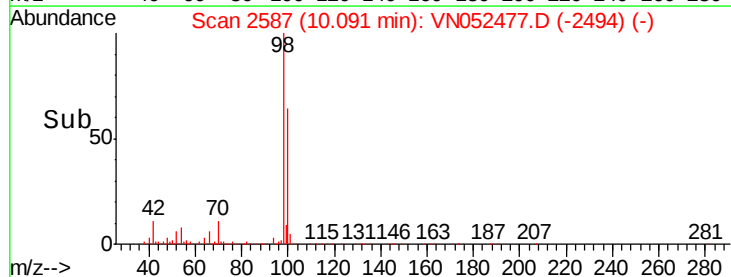
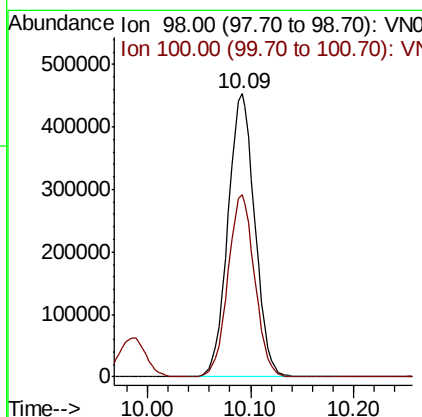
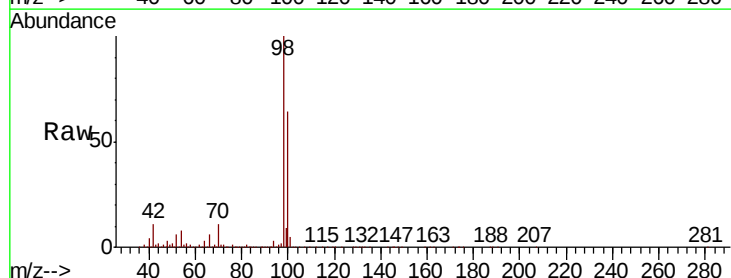
Manual Integrations  
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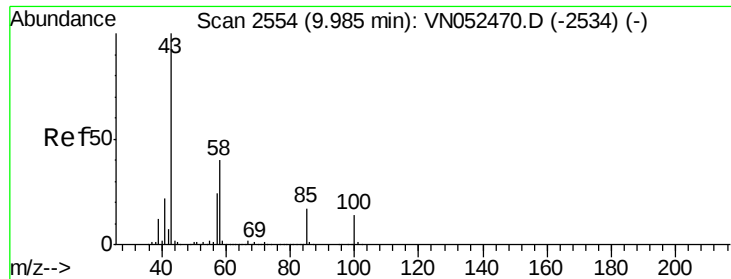
MMDadoda  
11/28/2018 9:33:52 AM



#50  
Toluene-d8  
Concen: 357.290 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.1  | 51.3  | 76.9  |





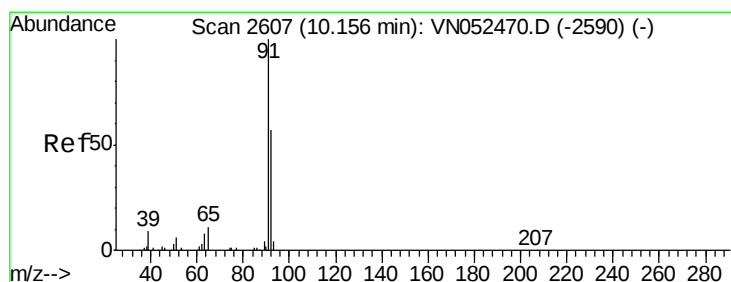
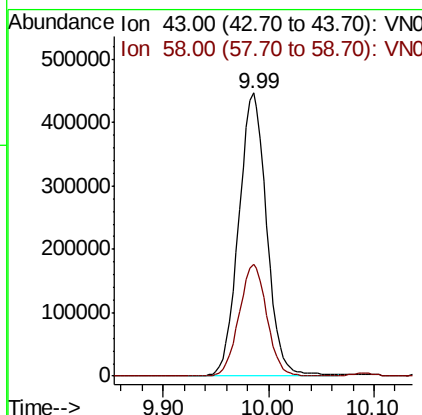
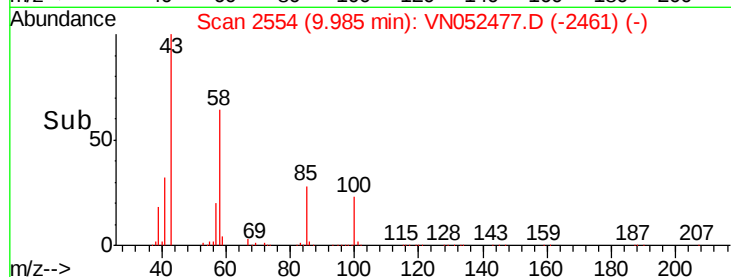
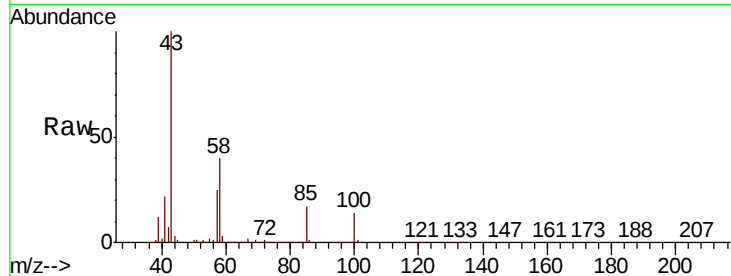
#51  
4-Methyl-2-Pentanone  
Concen: 90.801 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

Tgt Ion: 43 Resp: 817116  
Ion Ratio Lower Upper  
43 100  
58 39.4 31.5 47.3

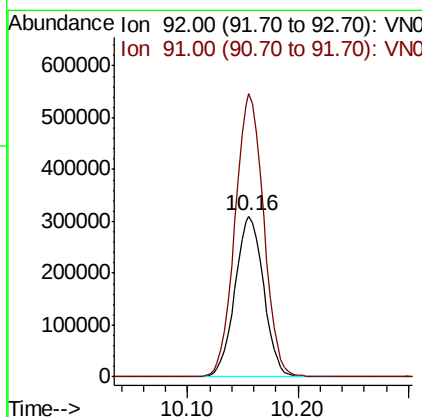
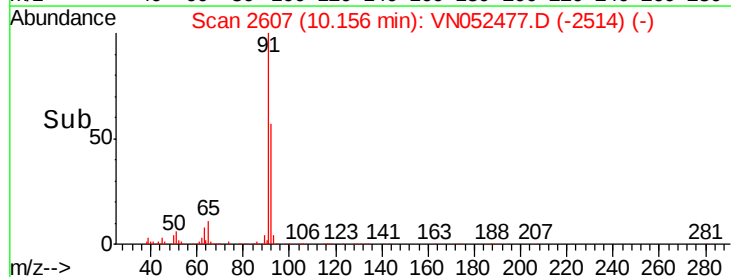
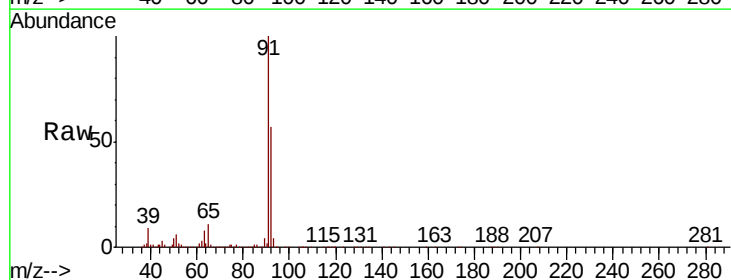
Manual Integrations  
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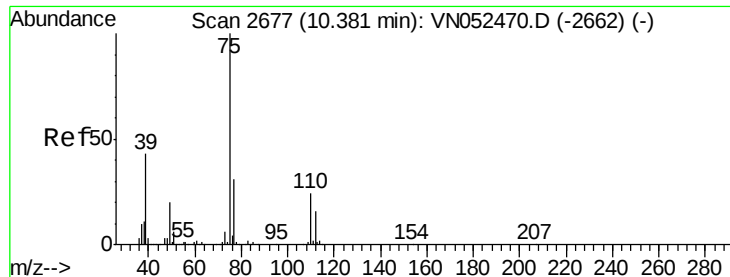
MMDadoda  
11/28/2018 9:33:52 AM



#52  
Toluene  
Concen: 20.191 ug/l  
RT: 10.16 min Scan# 2607  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Tgt Ion: 92 Resp: 555202  
Ion Ratio Lower Upper  
92 100  
91 176.1 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 18.932 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 75 Resp: 269725

Ion Ratio Lower Upper

75 100

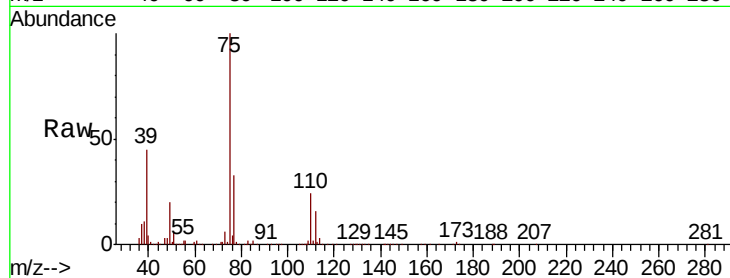
77 32.9 25.0 37.4

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

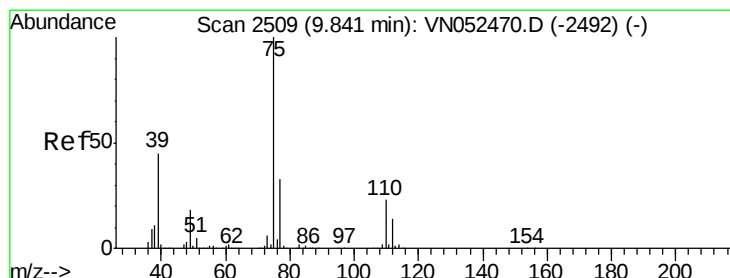
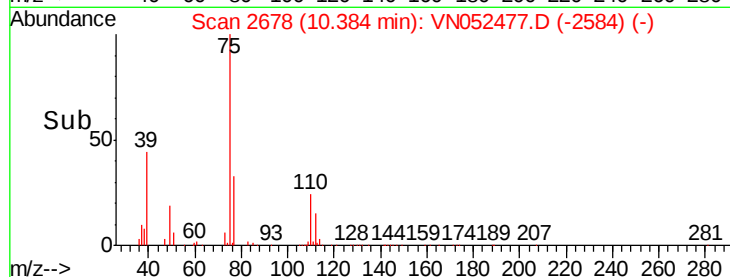
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.627 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

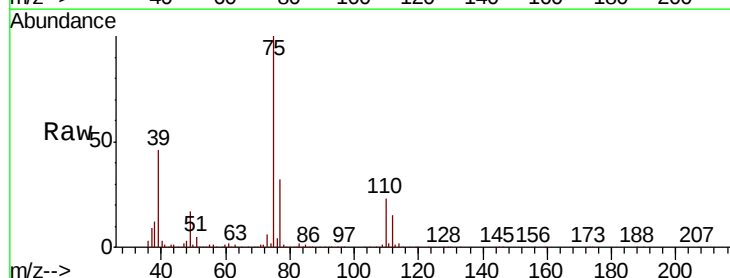
Tgt Ion: 75 Resp: 335097

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2

39 45.7 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

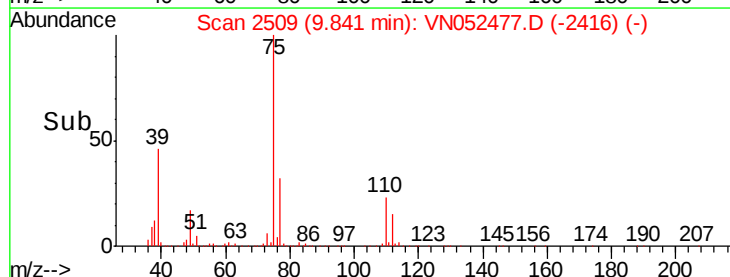
150000

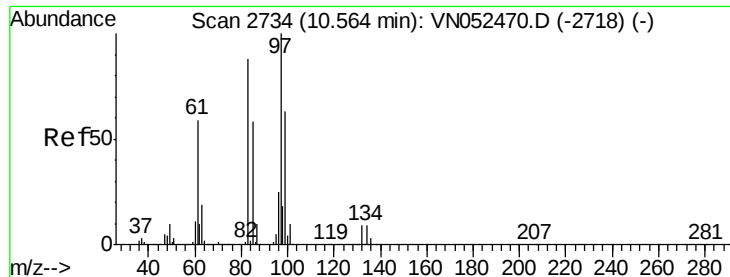
100000

50000

0

Time-->





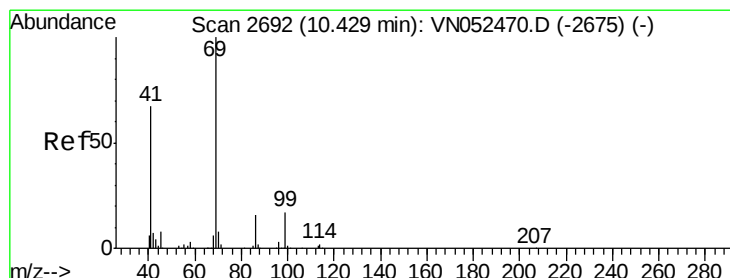
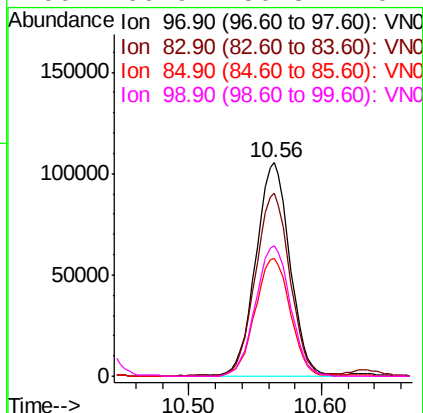
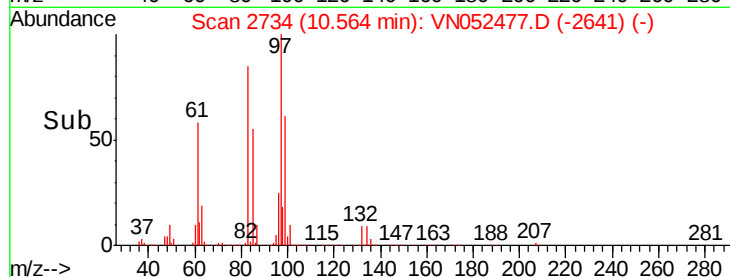
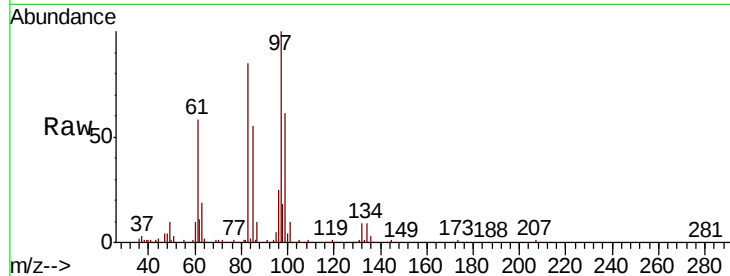
#55  
 1,1,2-Trichloroethane  
 Concen: 19.330 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 85.3  | 70.7  | 106.1 |
| 85      | 55.1  | 46.1  | 69.1  |
| 99      | 60.9  | 50.8  | 76.2  |

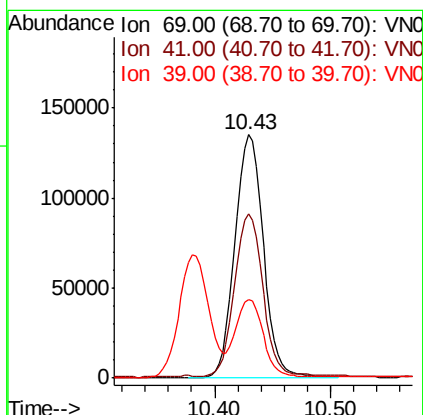
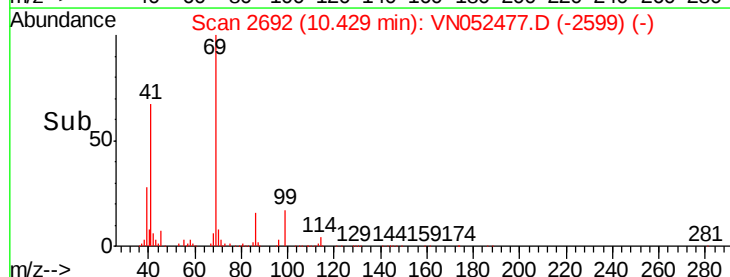
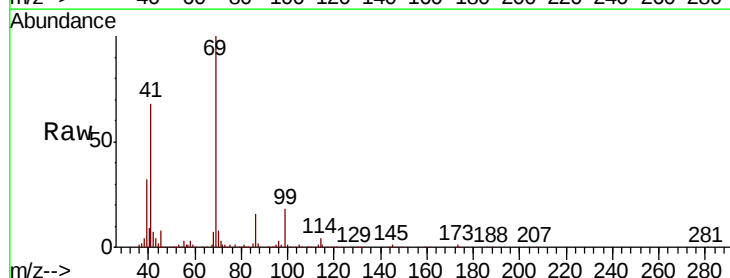
Manual Integrations  
 APPROVED

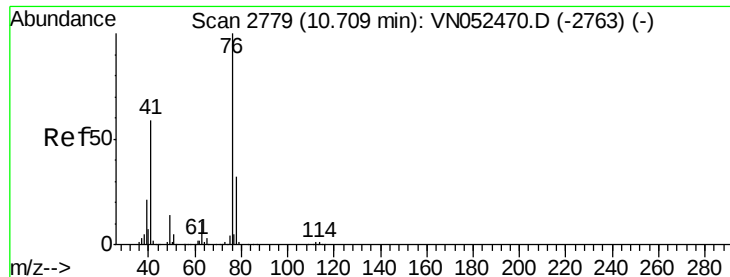
MMDadoda  
 11/28/2018 9:33:52 AM



#56  
 Ethyl methacrylate  
 Concen: 18.864 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 67.1  | 52.6  | 79.0  |
| 39      | 32.1  | 25.9  | 38.9  |





#57

1,3-Dichloropropane

Concen: 19.296 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 76 Resp: 329551

Ion Ratio Lower Upper

76 100

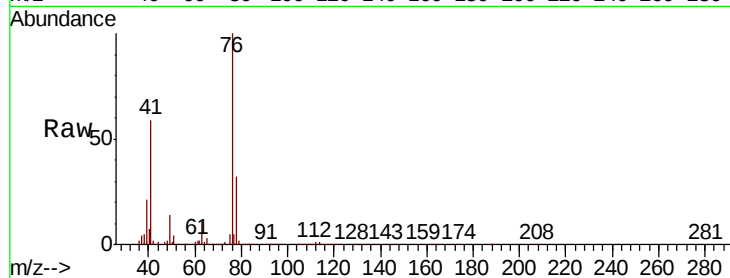
78 32.1 25.6 38.4

Manual Integrations

APPROVED

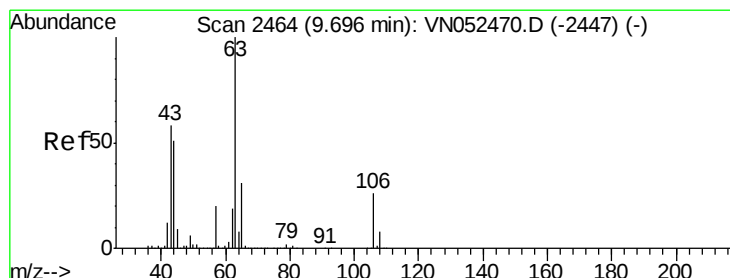
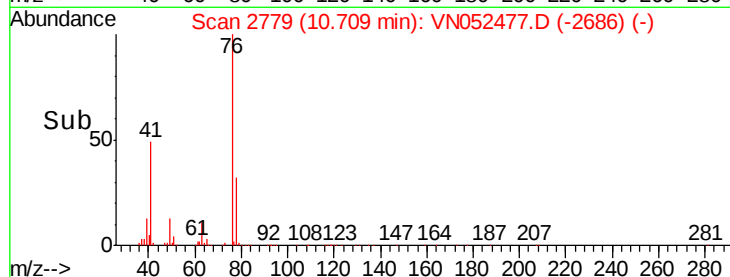
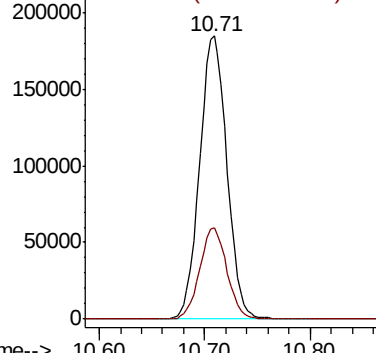
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 92.083 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052477.D

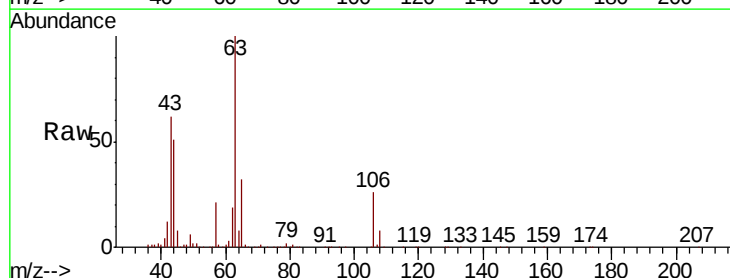
Acq: 27 Nov 2018 14:33

Tgt Ion: 63 Resp: 646287

Ion Ratio Lower Upper

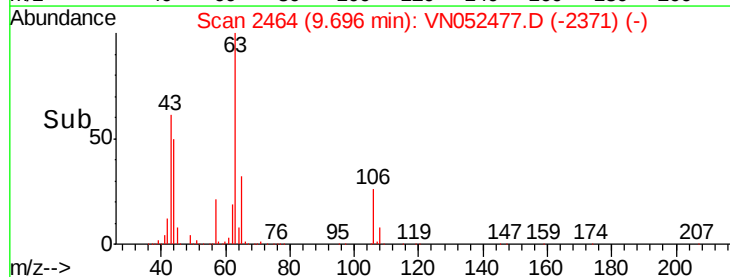
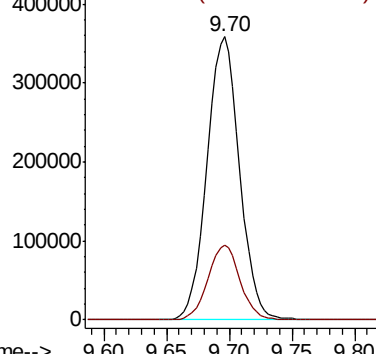
63 100

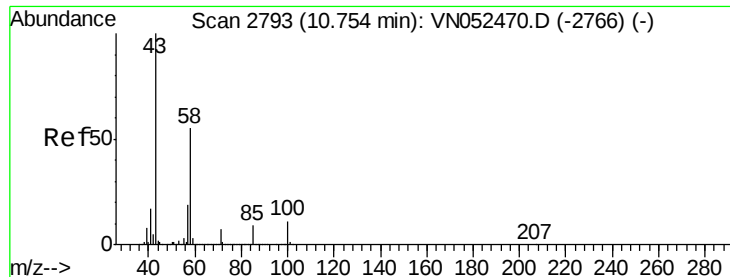
106 26.2 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





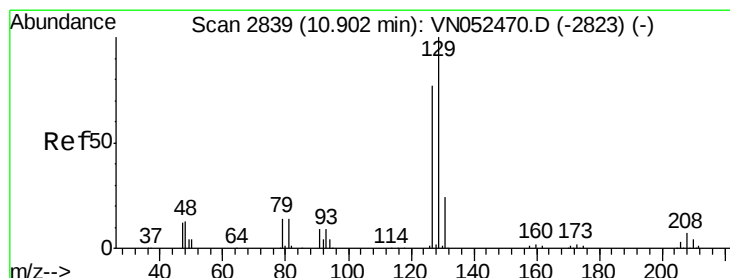
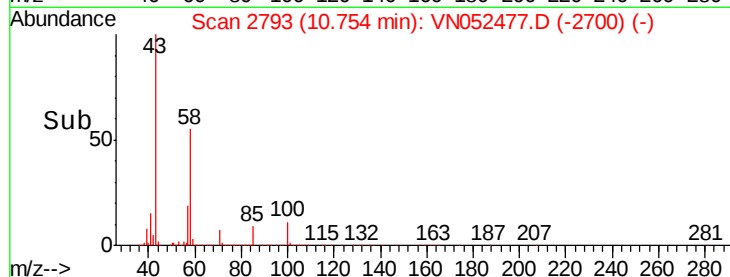
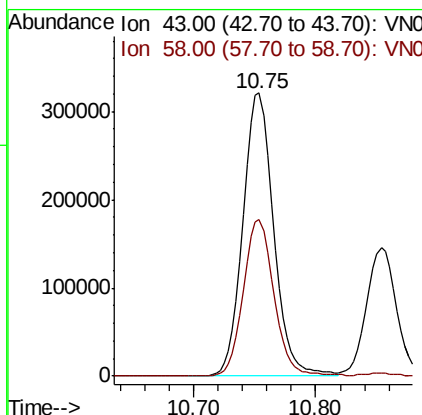
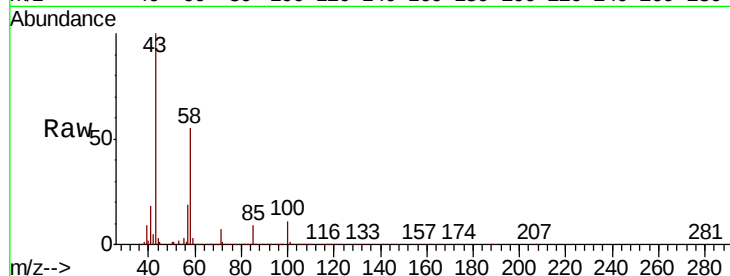
#59  
2-Hexanone  
Concen: 91.569 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

Tgt Ion: 43 Resp: 553044  
Ion Ratio Lower Upper  
43 100  
58 55.4 27.4 82.0

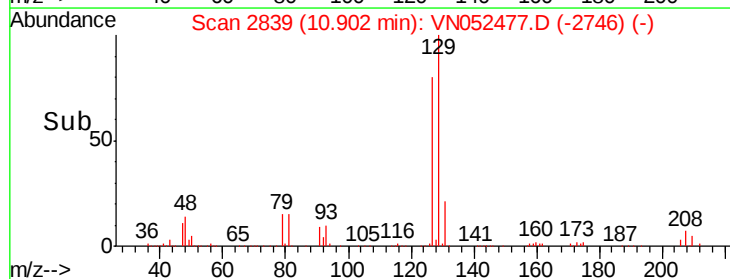
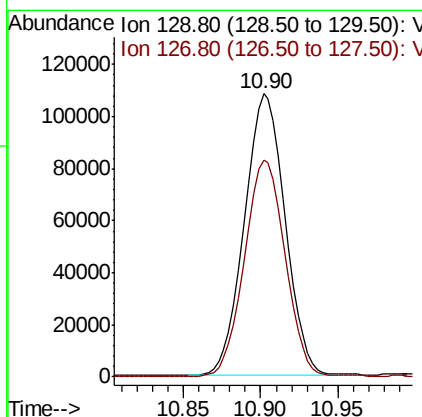
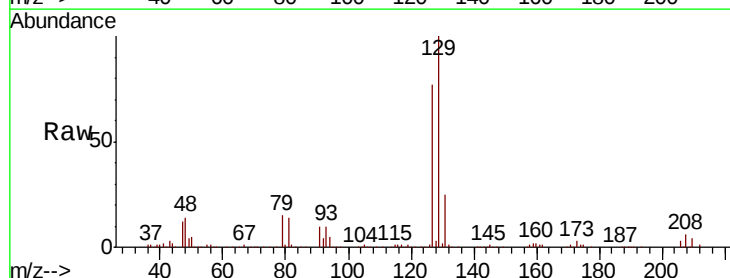
Manual Integrations  
APPROVED

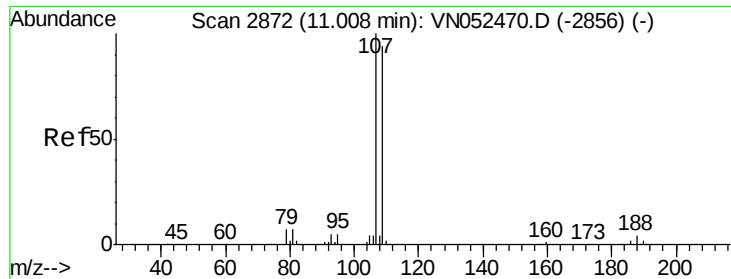
MMDadoda  
11/28/2018 9:33:52 AM



#60  
Dibromochloromethane  
Concen: 18.923 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Tgt Ion: 129 Resp: 198791  
Ion Ratio Lower Upper  
129 100  
127 76.5 38.9 116.6





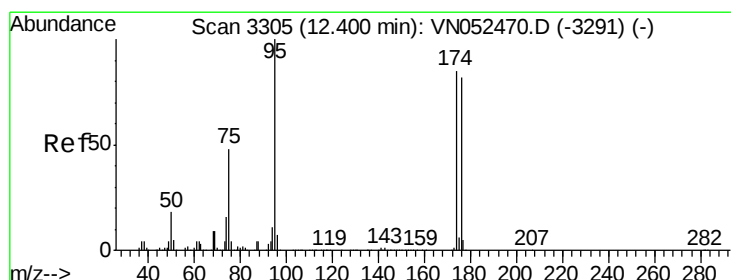
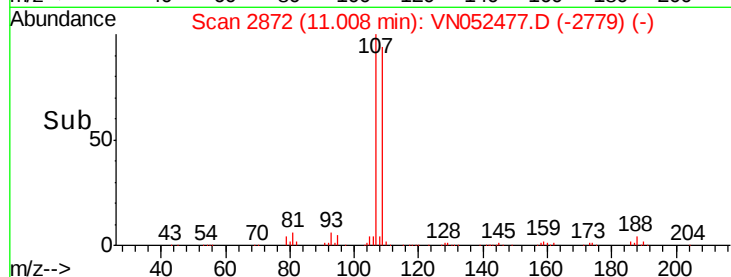
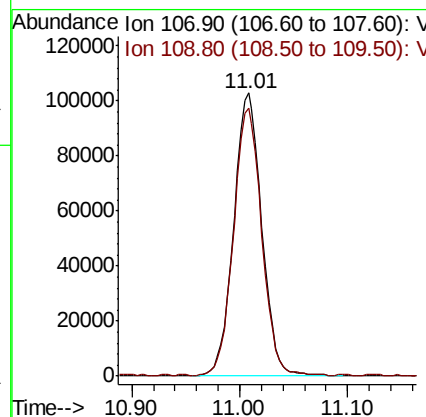
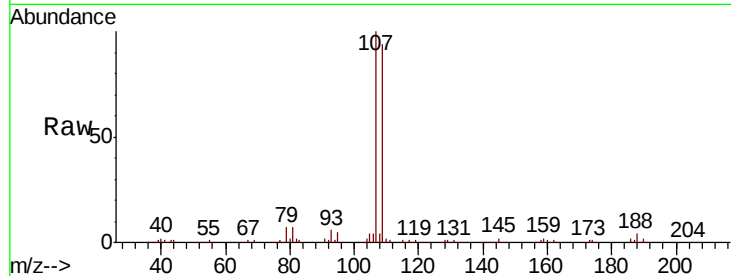
#61  
1,2-Dibromoethane  
Concen: 19.104 ug/l  
RT: 11.01 min Scan# 2872  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

Tgt Ion: 107 Resp: 183523  
Ion Ratio Lower Upper  
107 100  
109 95.1 75.6 113.4

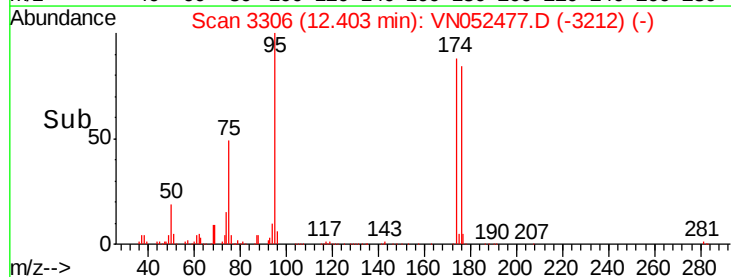
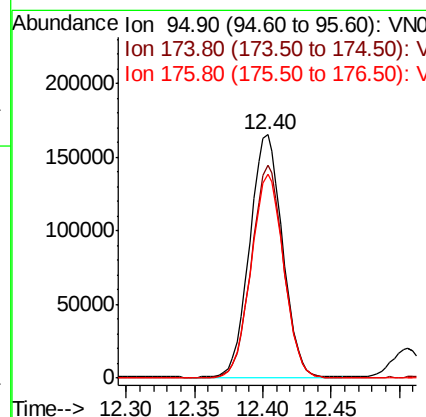
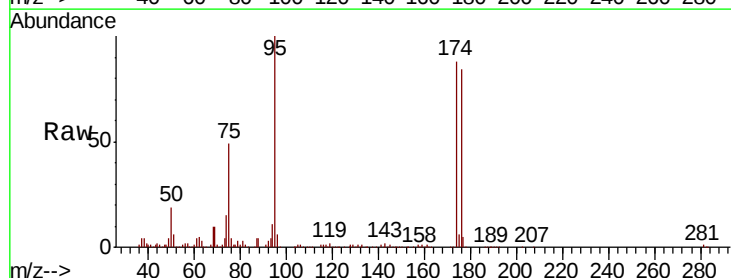
Manual Integrations  
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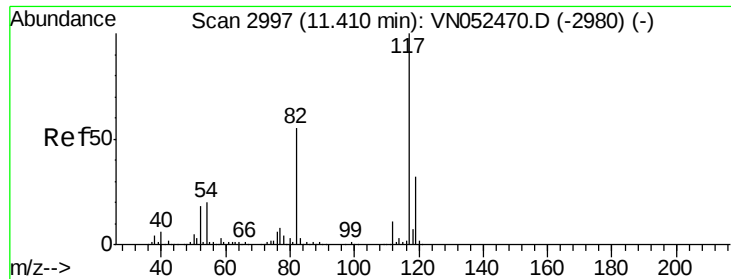
MMDadoda  
11/28/2018 9:33:52 AM



#62  
4-Bromofluorobenzene  
Concen: 19.104 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Tgt Ion: 95 Resp: 275657  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 173.0  
176 83.9 0.0 166.2





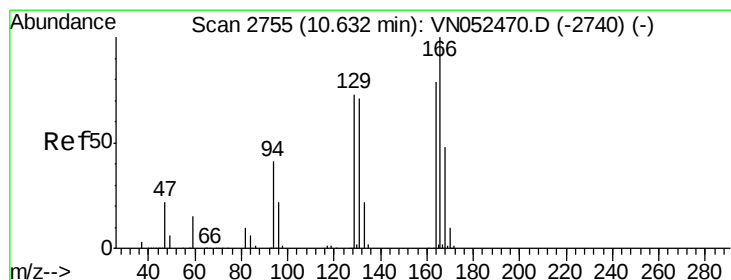
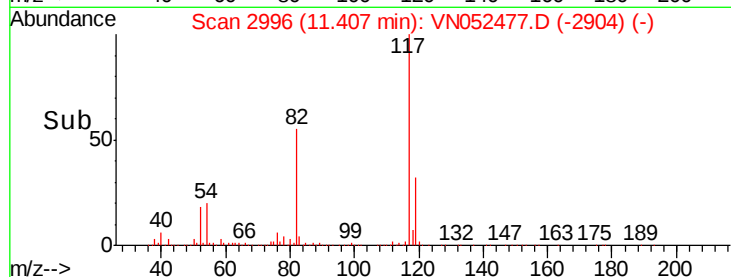
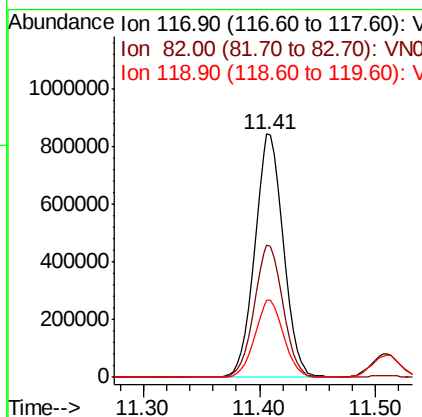
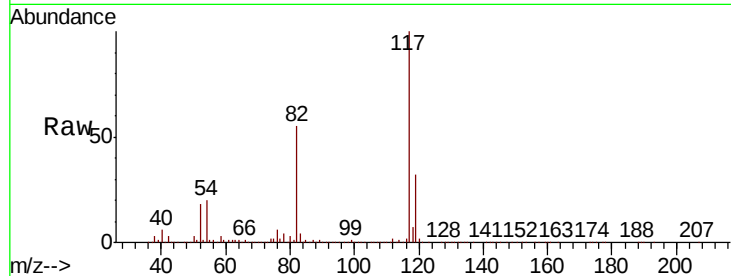
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

Tgt Ion:117 Resp: 1450648  
Ion Ratio Lower Upper  
117 100  
82 54.5 43.6 65.4  
119 31.9 25.4 38.2

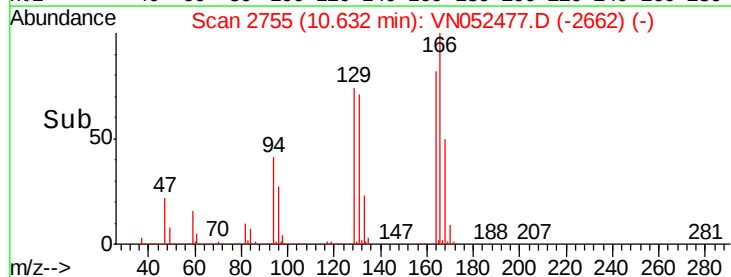
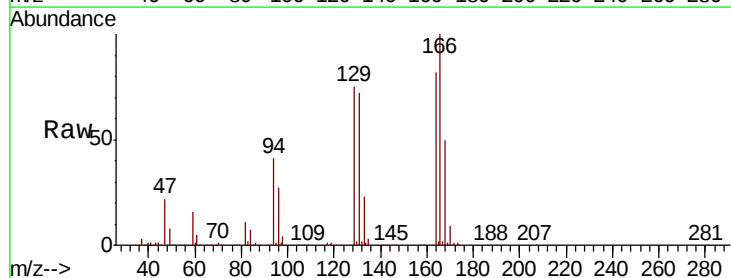
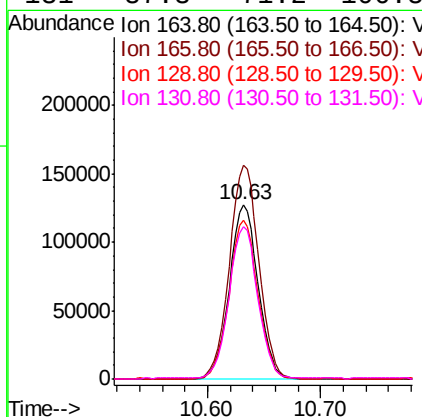
Manual Integrations  
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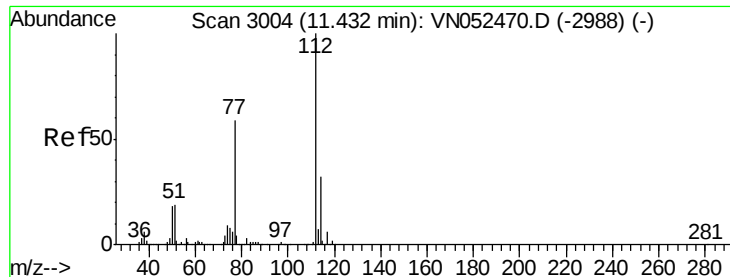
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#64  
Tetrachloroethene  
Concen: 19.921 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Tgt Ion:164 Resp: 224052  
Ion Ratio Lower Upper  
164 100  
166 122.6 101.0 151.4  
129 91.2 73.8 110.6  
131 87.3 71.2 106.8





#65

Chlorobenzene

Concen: 20.152 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion:112 Resp: 602789

Ion Ratio Lower Upper

112 100

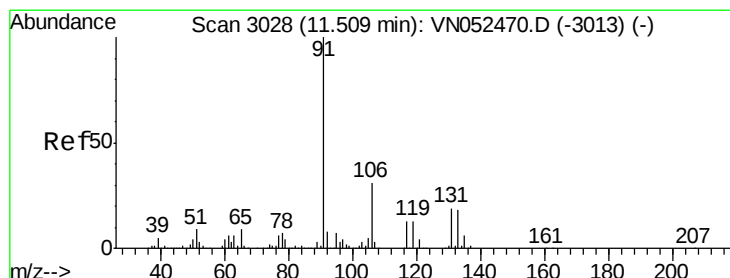
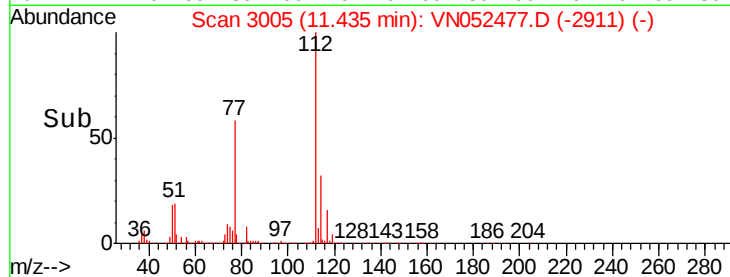
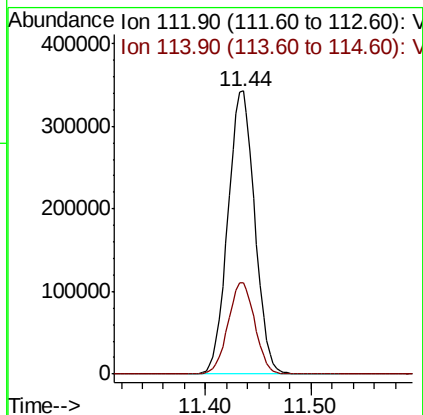
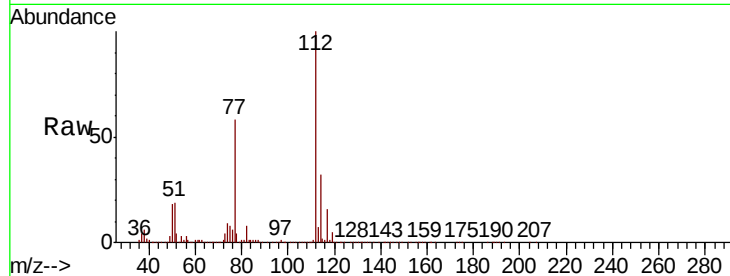
114 32.3 25.8 38.6

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.646 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

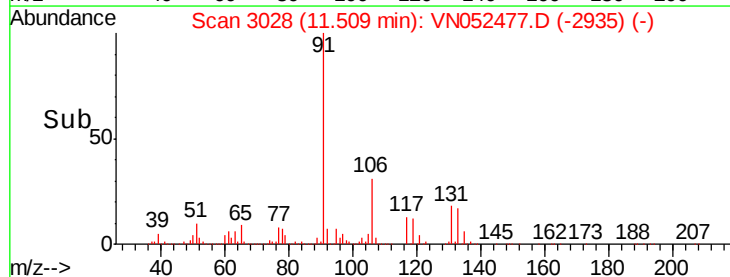
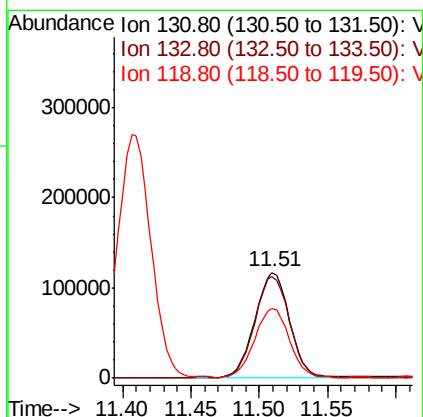
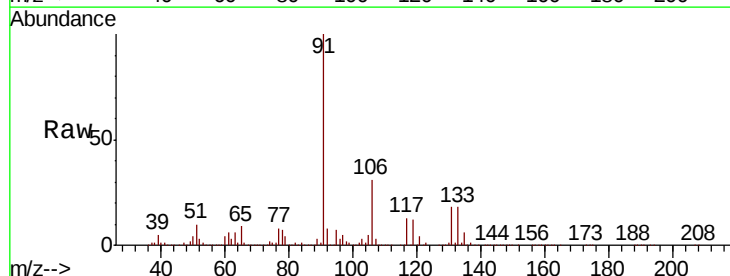
Tgt Ion:131 Resp: 204328

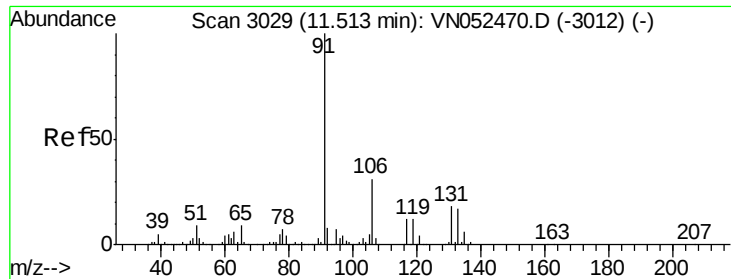
Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.8

119 65.5 33.2 99.6





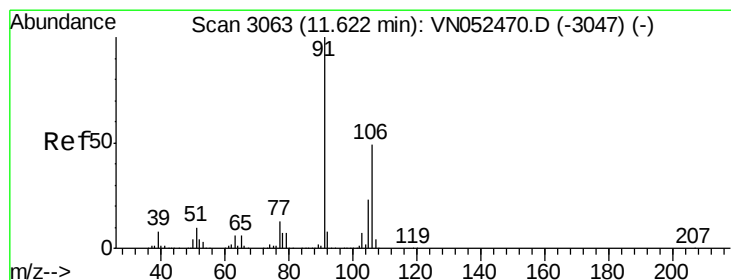
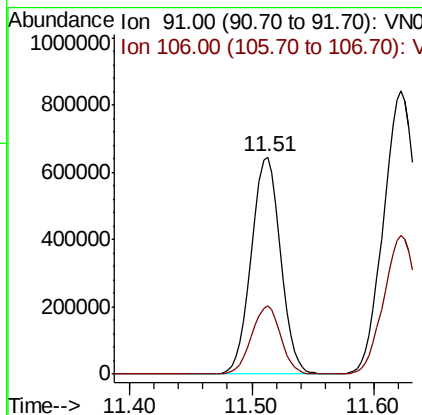
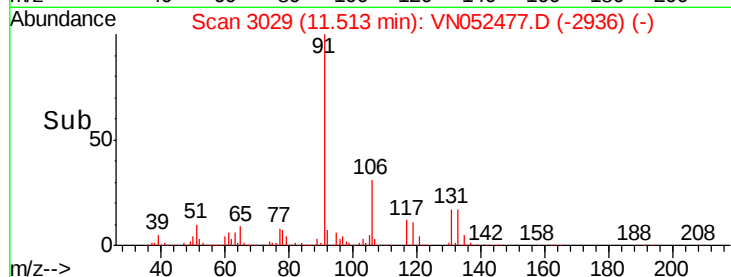
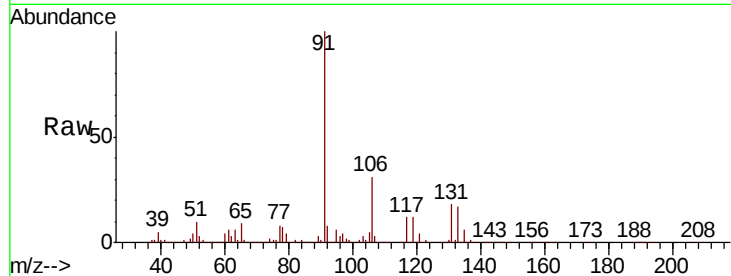
#67  
Ethyl Benzene  
Concen: 20.239 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

Tgt Ion: 91 Resp: 1060139  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.9 37.3

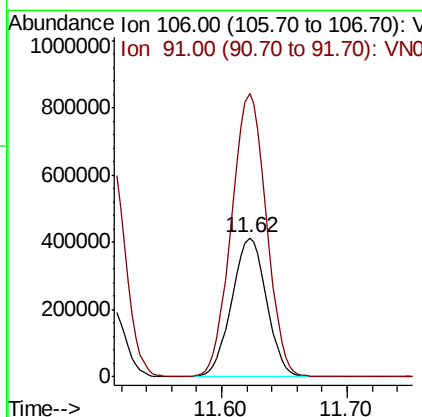
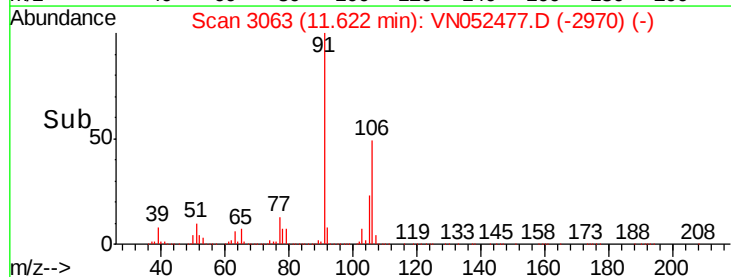
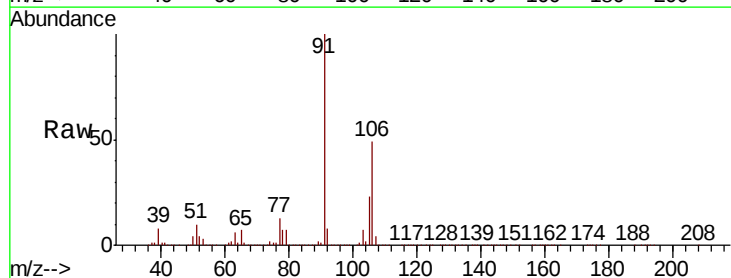
Manual Integrations  
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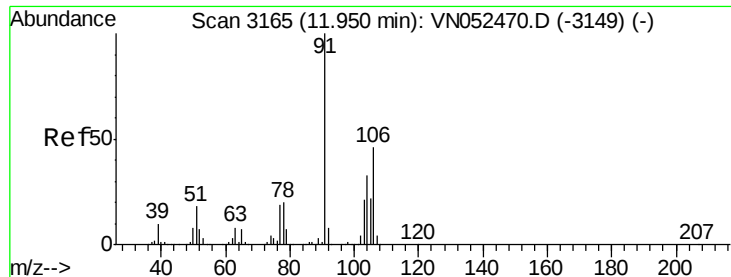
MMDadoda  
11/28/2018 9:33:52 AM



#68  
m/p-Xylenes  
Concen: 40.487 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Tgt Ion: 106 Resp: 789520  
Ion Ratio Lower Upper  
106 100  
91 205.6 163.2 244.8





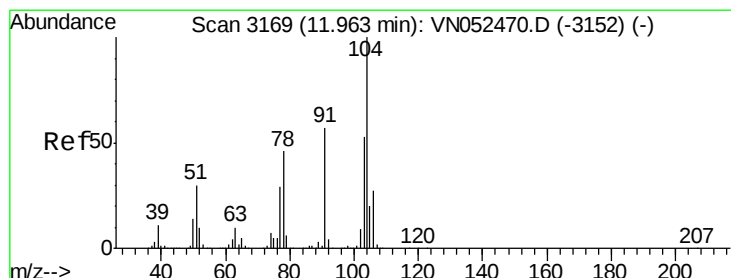
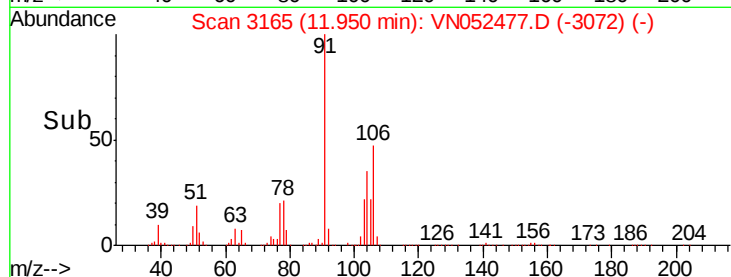
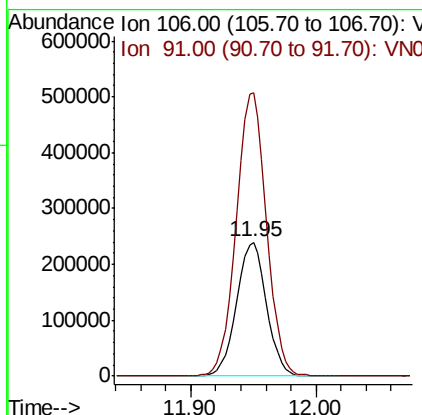
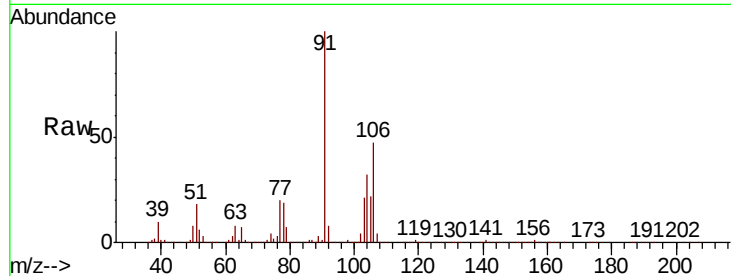
#69  
o-Xylene  
Concen: 20.788 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

Tgt Ion:106 Resp: 393653  
Ion Ratio Lower Upper  
106 100  
91 213.2 107.7 323.1

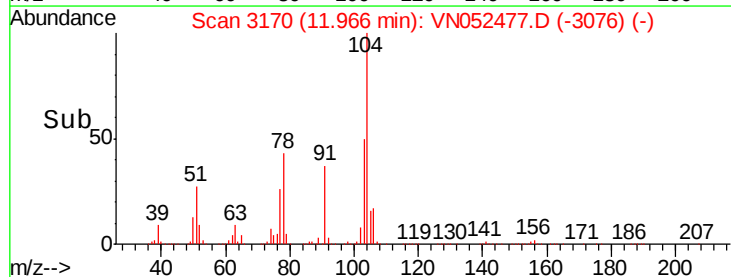
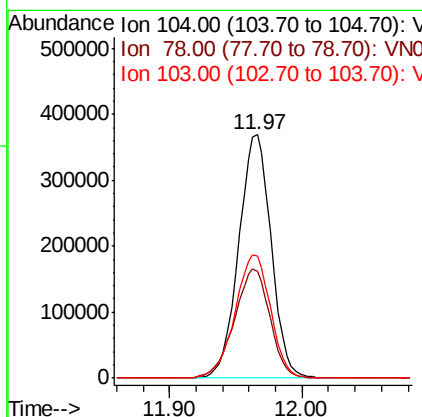
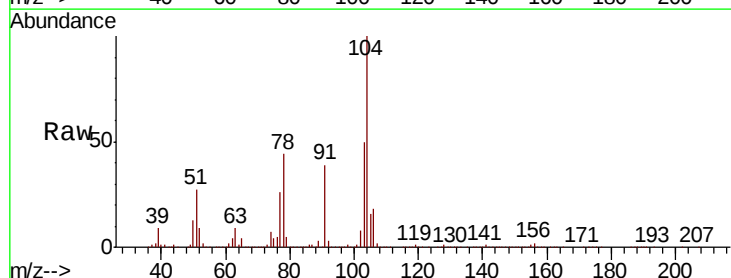
Manual Integrations  
APPROVED

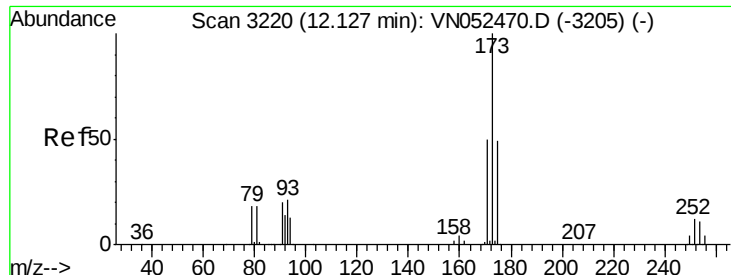
MMDadoda  
11/28/2018 9:33:52 AM



#70  
Styrene  
Concen: 20.624 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Tgt Ion:104 Resp: 622053  
Ion Ratio Lower Upper  
104 100  
78 49.3 39.4 59.2  
103 55.5 44.9 67.3





#71

Bromoform

Concen: 18.611 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

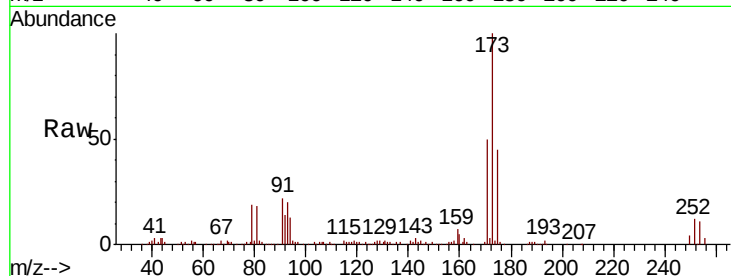
ClientSampleId :

VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 45.8  | 24.4  | 73.2  |
| 254     | 0.0   | 0.1   | 0.1   |

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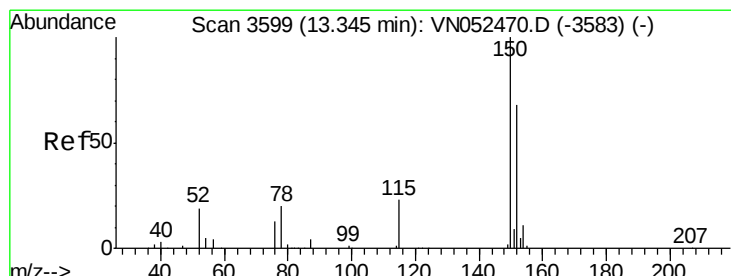
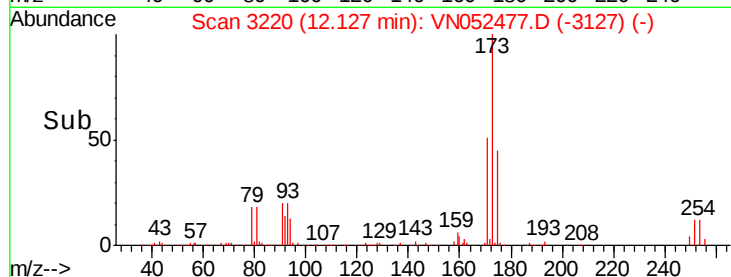
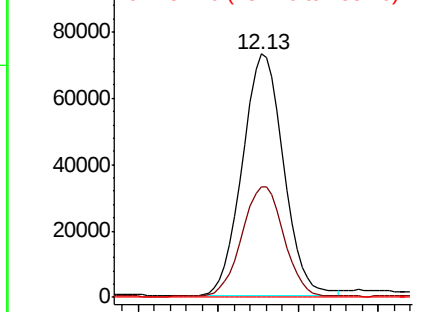


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

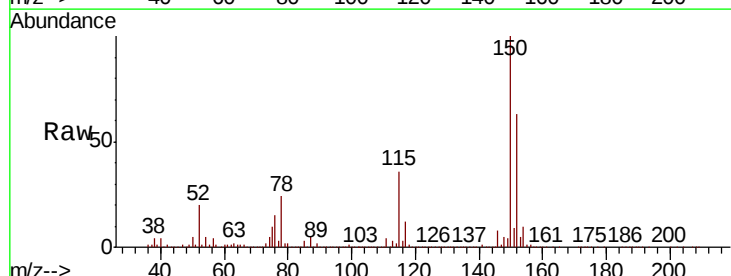
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.4  | 28.4  | 85.2  |
| 150     | 163.3 | 0.0   | 346.0 |

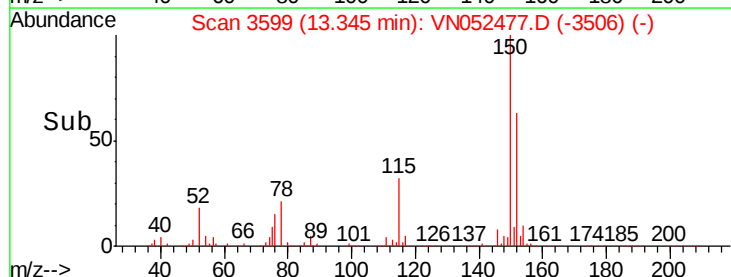
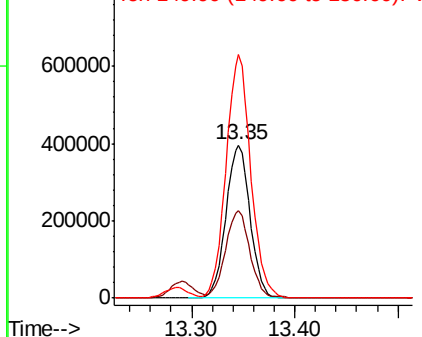


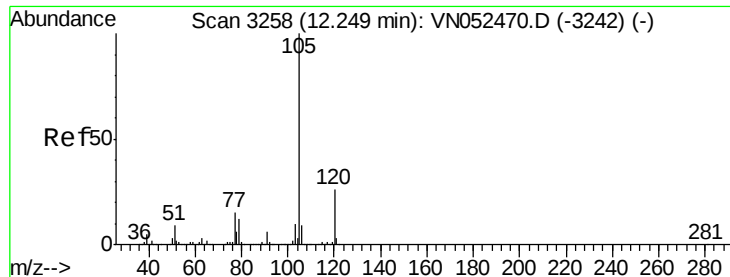
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.565 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 105 Resp: 1037875

Ion Ratio Lower Upper

105 100

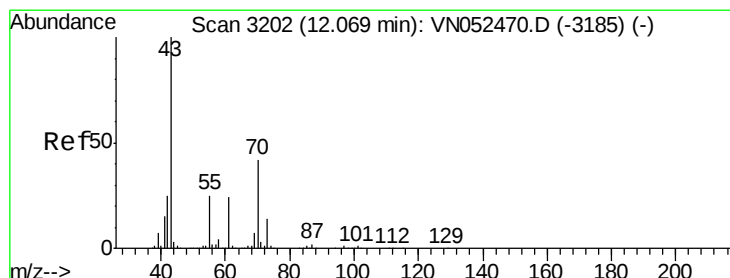
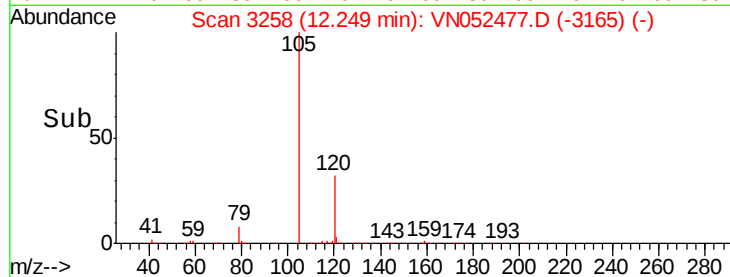
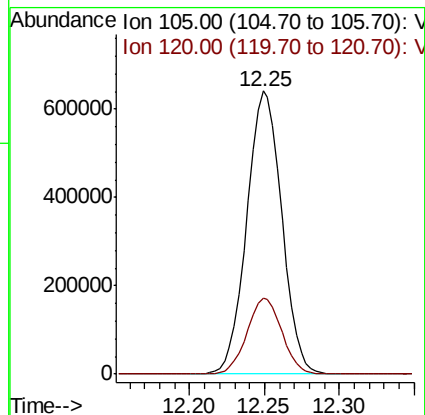
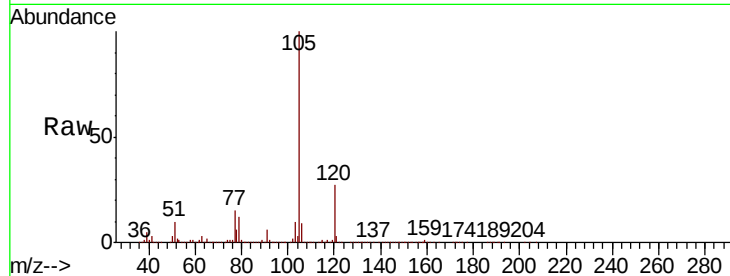
120 26.6 13.1 39.3

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#74

N-ethyl acetate

Concen: 19.050 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Tgt Ion: 43 Resp: 242892

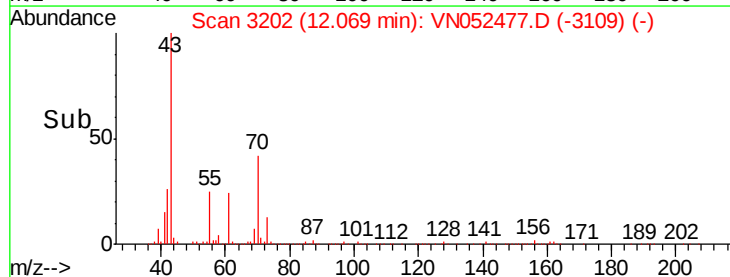
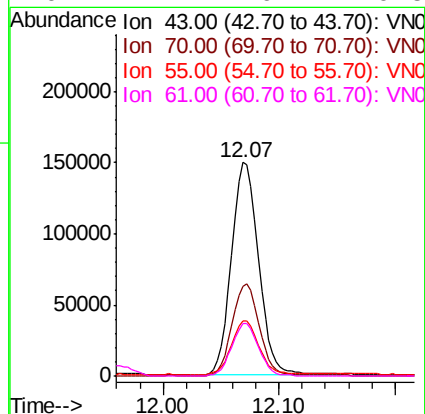
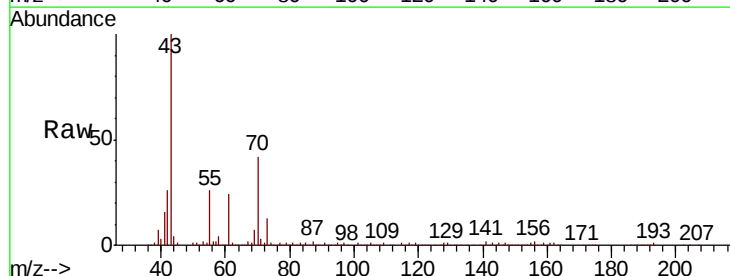
Ion Ratio Lower Upper

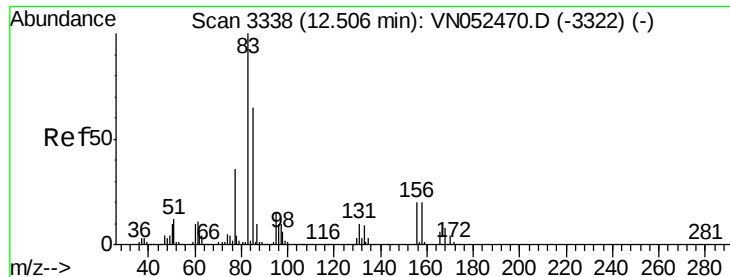
43 100

70 43.1 33.8 50.8

55 25.8 20.0 30.0

61 24.4 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.641 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 83 Resp: 214000  
Ion Ratio Lower Upper

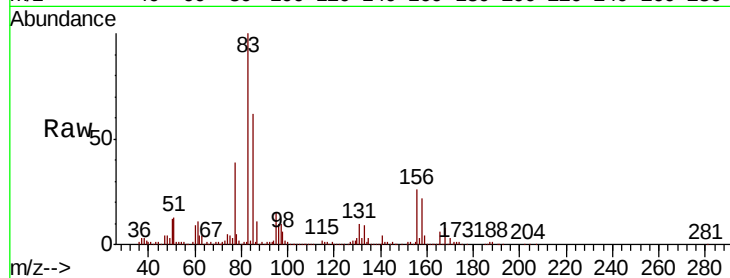
83 100

131 10.8 5.0 15.0

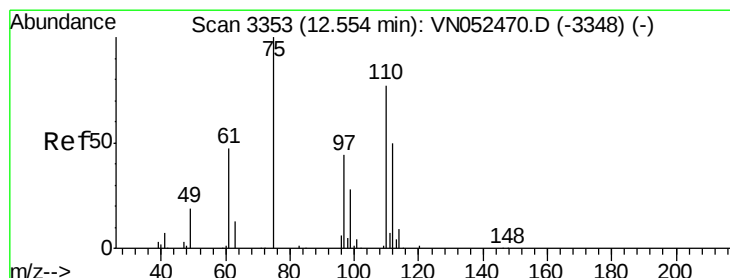
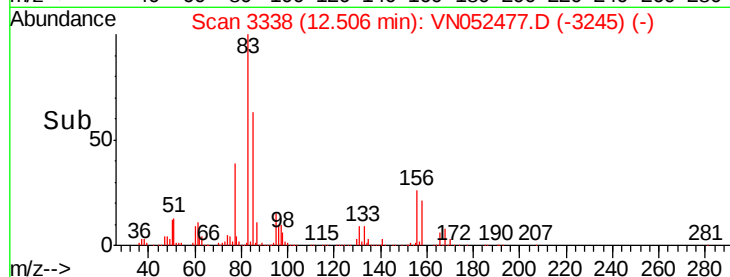
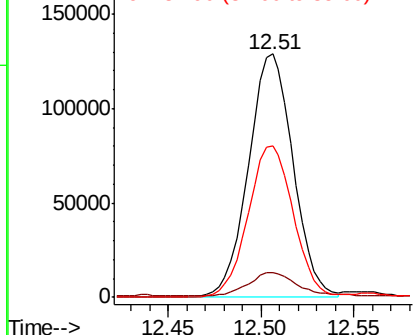
85 63.5 31.9 95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 19.782 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

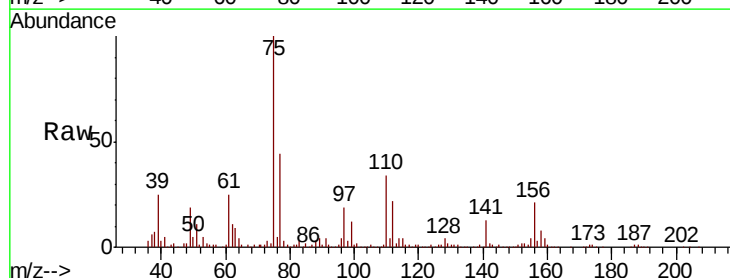
Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

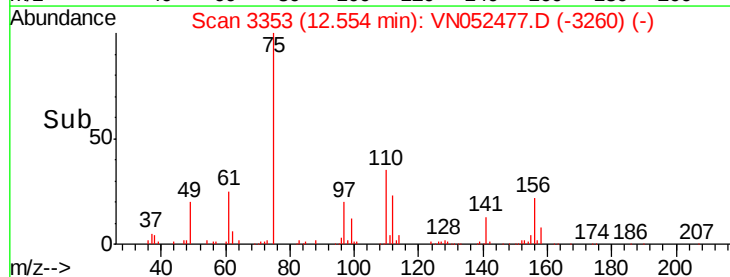
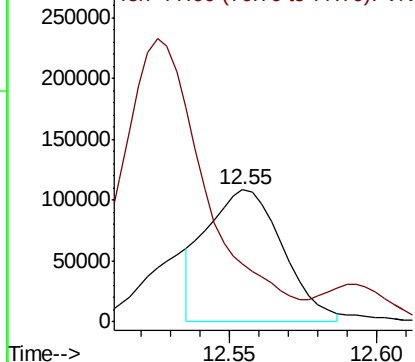
Tgt Ion: 75 Resp: 196230  
Ion Ratio Lower Upper

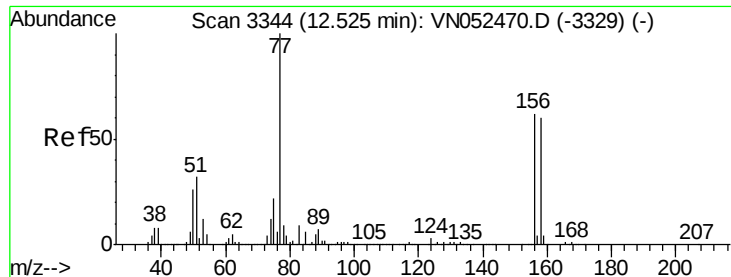
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0  
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 28.484 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

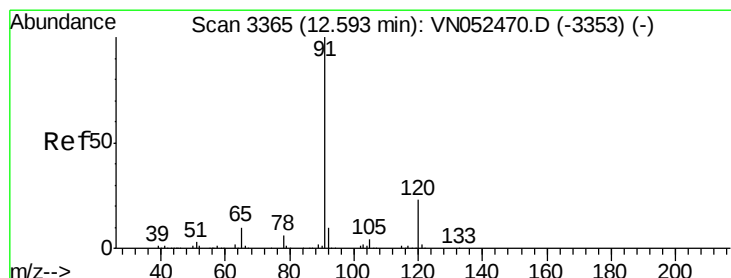
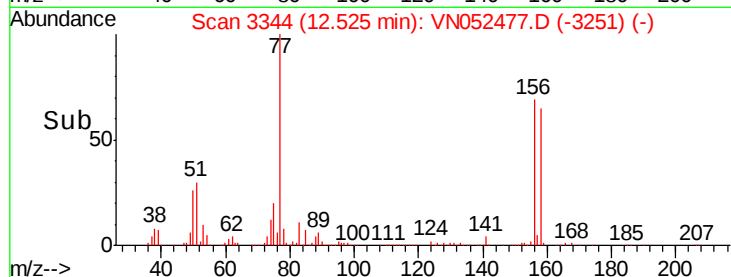
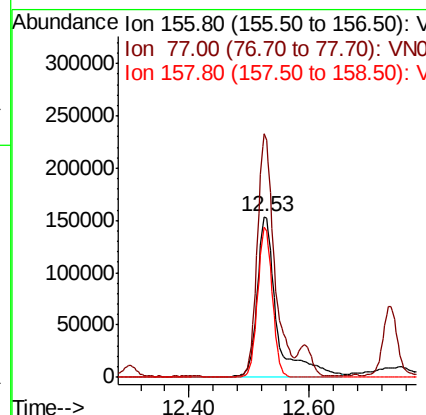
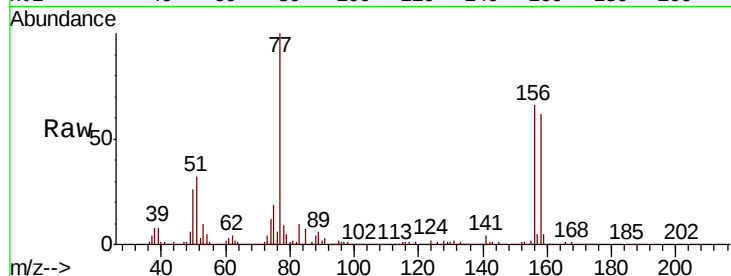
ClientSampleId :

VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 129.7 | 93.5  | 280.4 |
| 158     | 69.1  | 48.3  | 144.9 |

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#78

n-propylbenzene

Concen: 20.711 ug/l

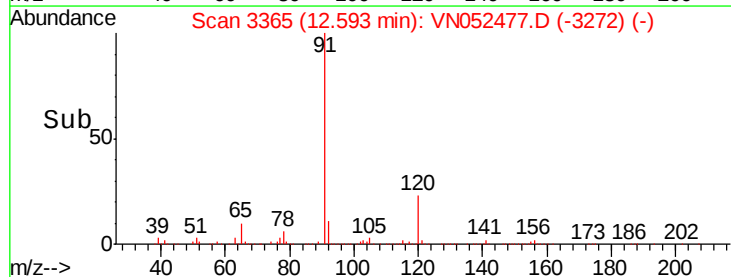
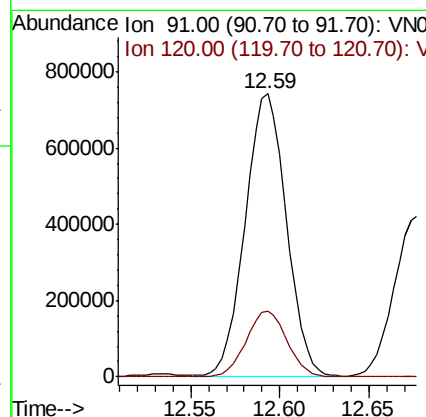
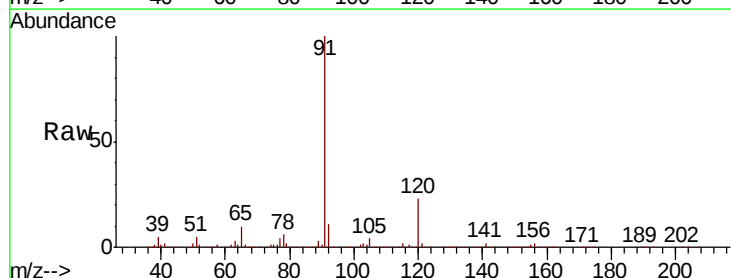
RT: 12.59 min Scan# 3365

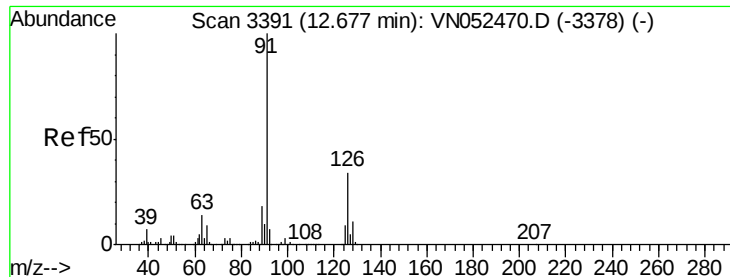
Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.3  | 11.3  | 33.9  |





#79

2-Chlorotoluene

Concen: 20.357 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1127MBS01

Tgt Ion: 91 Resp: 695018

Ion Ratio Lower Upper

91 100

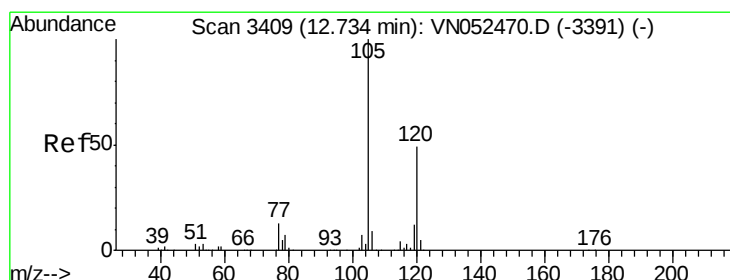
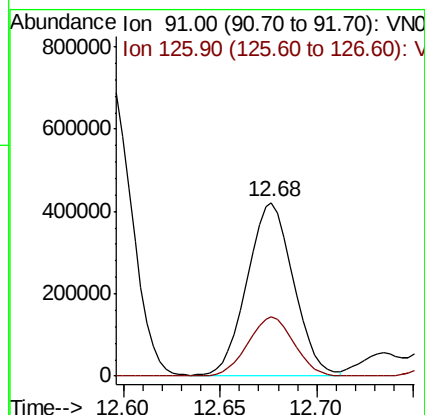
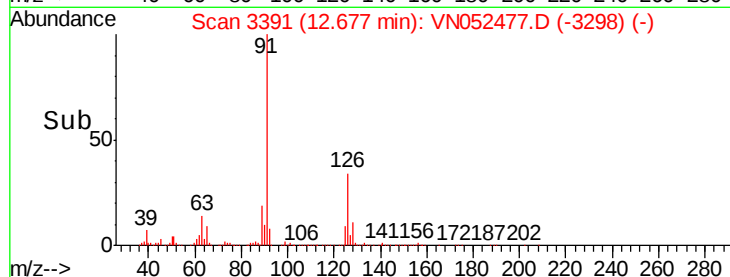
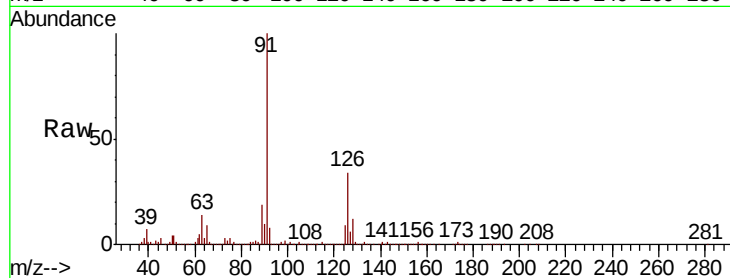
126 34.2 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 21.703 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052477.D

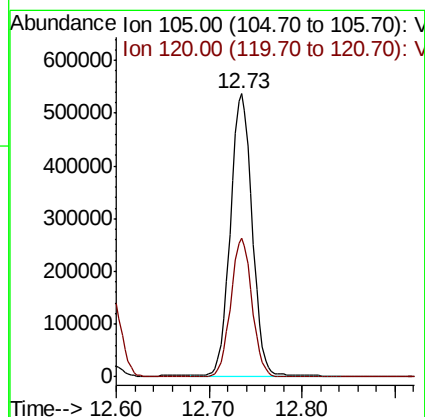
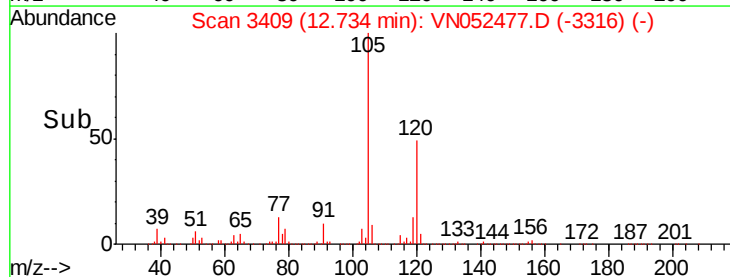
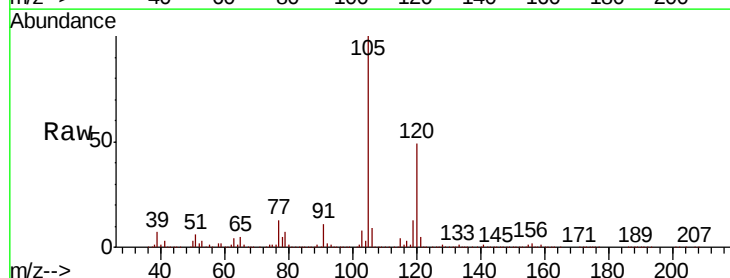
Acq: 27 Nov 2018 14:33

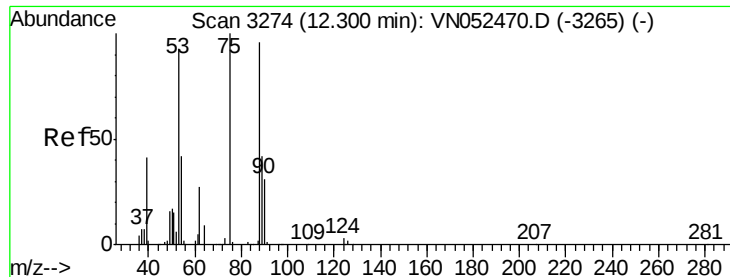
Tgt Ion: 105 Resp: 873545

Ion Ratio Lower Upper

105 100

120 47.4 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.234 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

Instrument :

MSVOA\_N

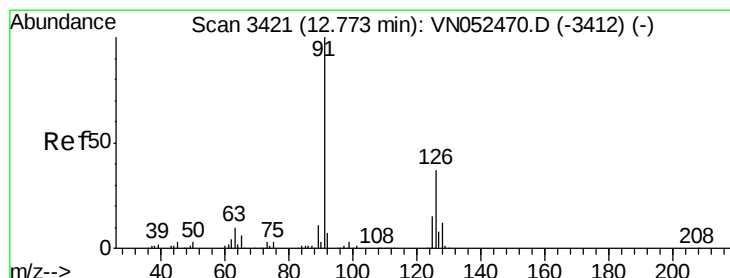
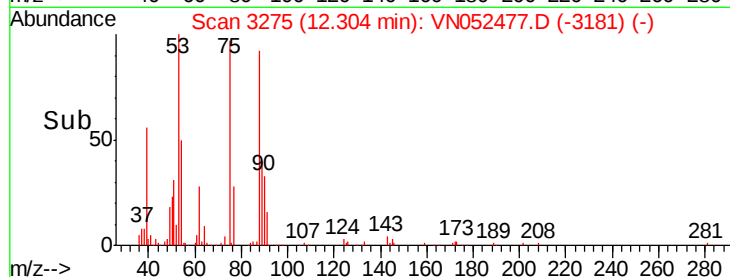
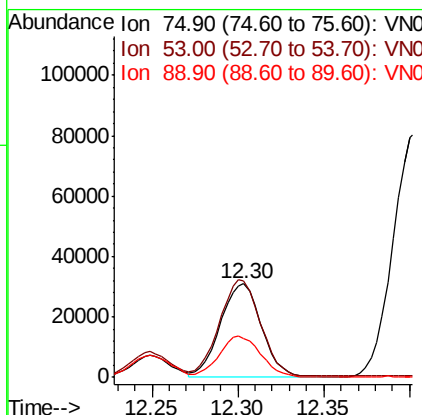
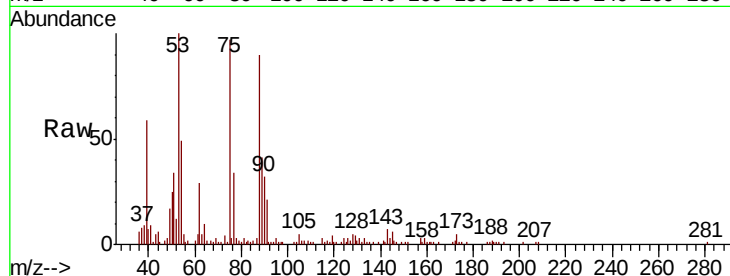
ClientSampleId :

VN1127MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 51189 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 102.1 | 77.4  | 116.0 |
| 89       | 43.8  | 35.4  | 53.2  |

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#82

4-Chlorotoluene

Concen: 20.143 ug/l

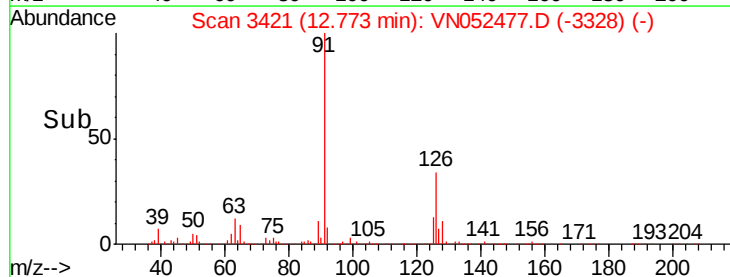
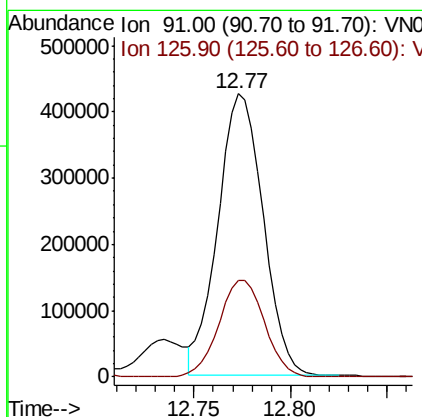
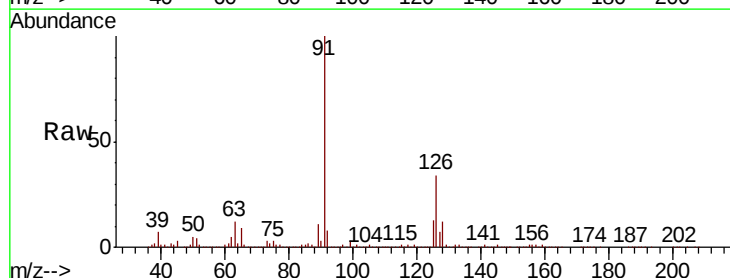
RT: 12.77 min Scan# 3421

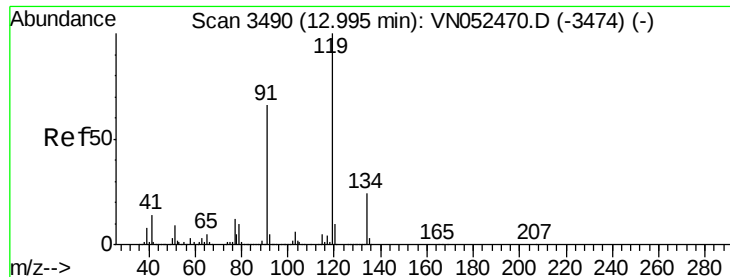
Delta R.T. 0.00 min

Lab File: VN052477.D

Acq: 27 Nov 2018 14:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 693114 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.9  | 16.9  | 50.6   |





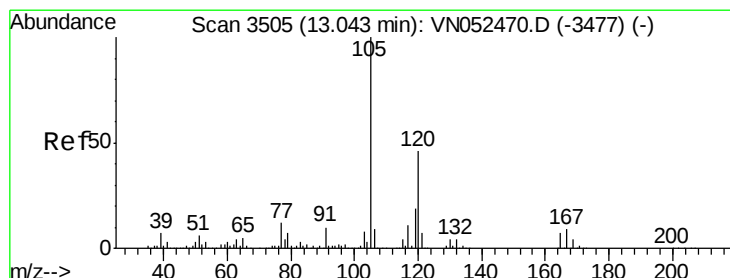
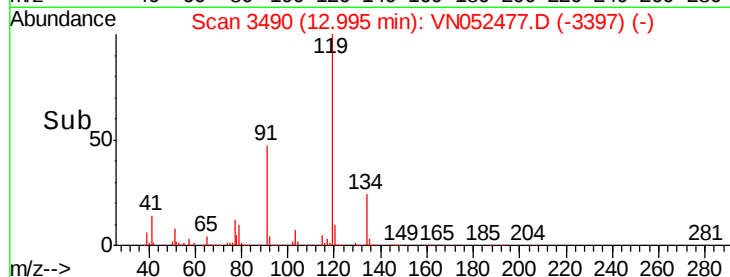
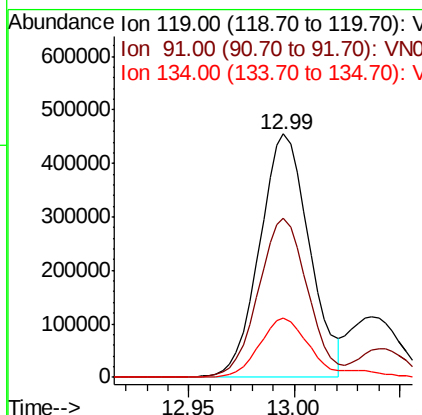
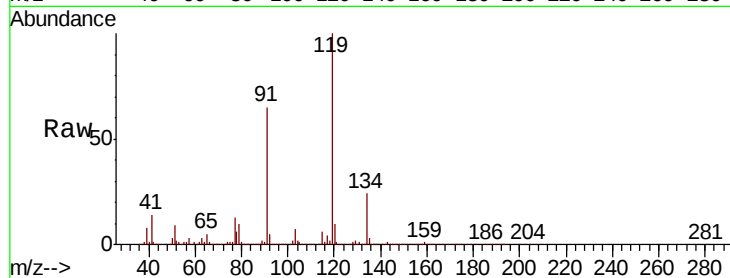
#83  
 tert-Butylbenzene  
 Concen: 20.629 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.5  | 32.3  | 96.9  |
| 134     | 24.2  | 13.0  | 38.9  |

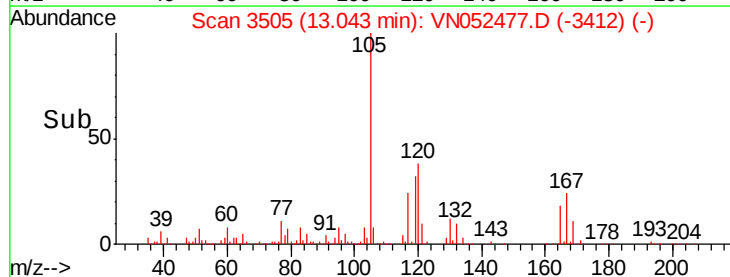
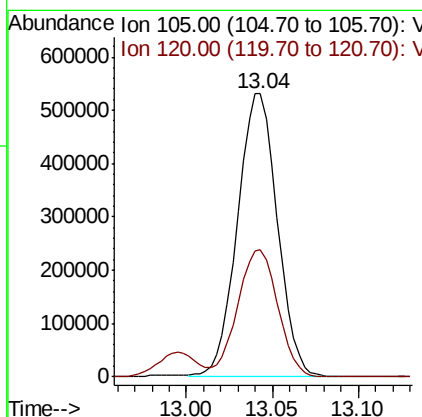
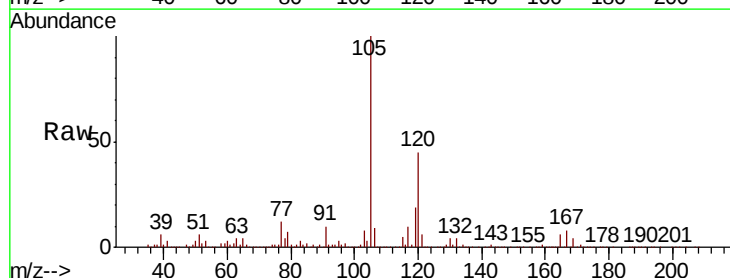
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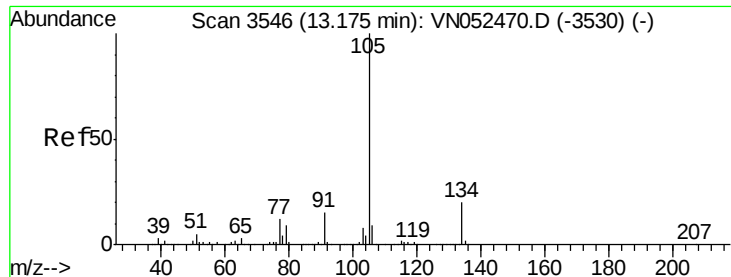
MMDadoda  
 11/28/2018 9:33:52 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.054 ug/l  
 RT: 13.04 min Scan# 3505  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.4  | 22.8  | 68.4  |





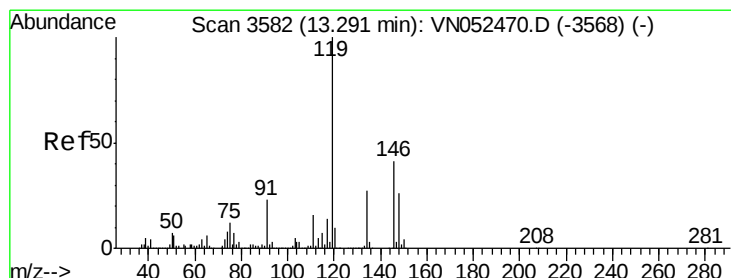
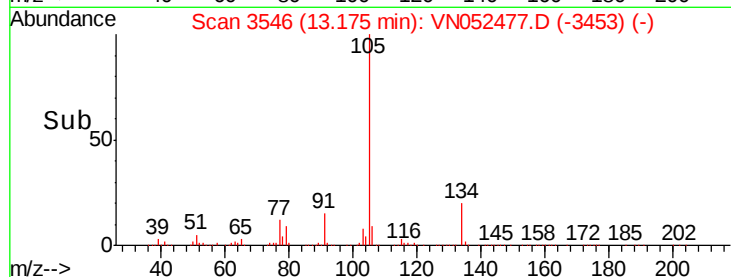
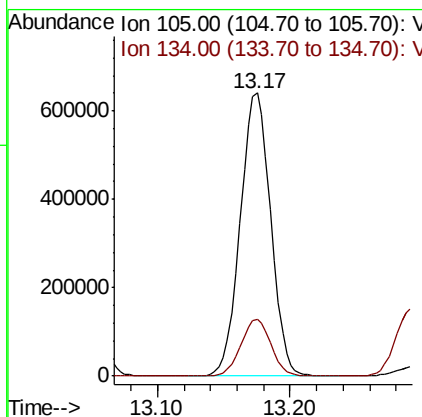
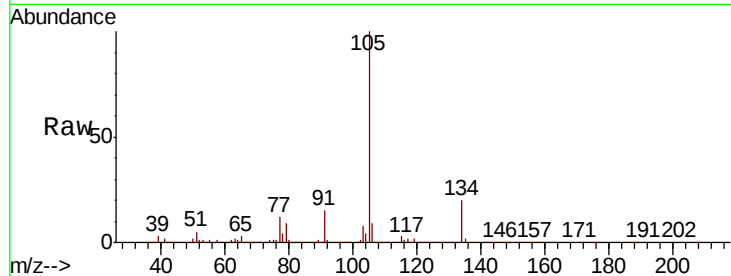
#85  
 sec-Butylbenzene  
 Concen: 20.750 ug/l  
 RT: 13.17 min Scan# 3546  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127MBS01

Tgt Ion:105 Resp: 1014147  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 9.9 29.7

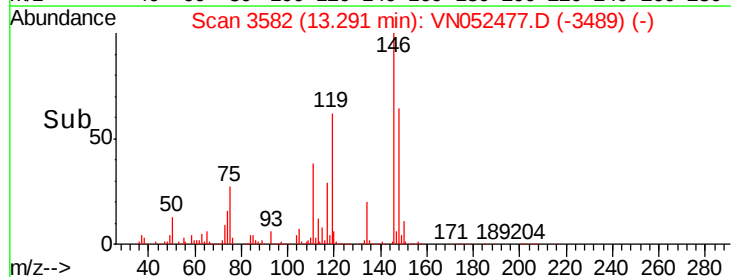
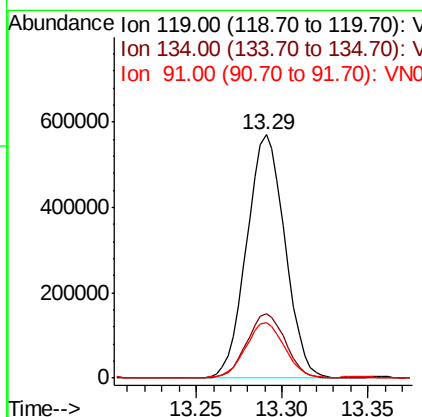
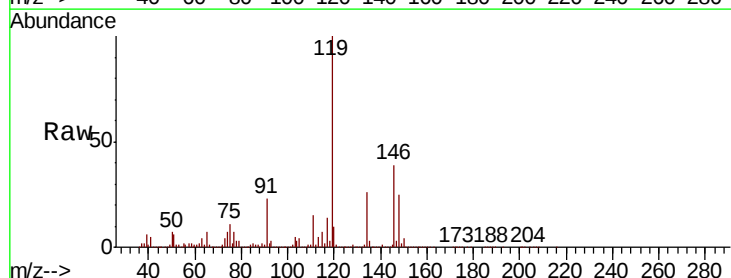
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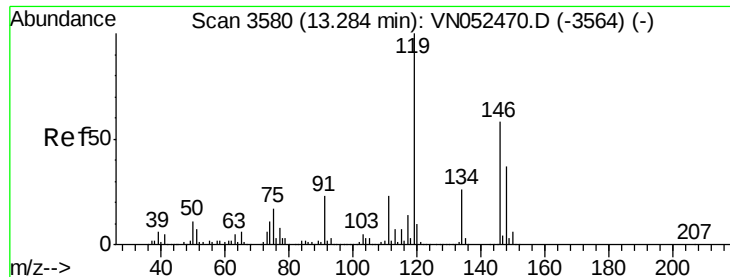
MMDadoda  
 11/28/2018 9:33:52 AM



#86  
 p-Isopropyltoluene  
 Concen: 21.079 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

Tgt Ion:119 Resp: 877480  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 13.4 40.2  
 91 22.5 11.4 34.2





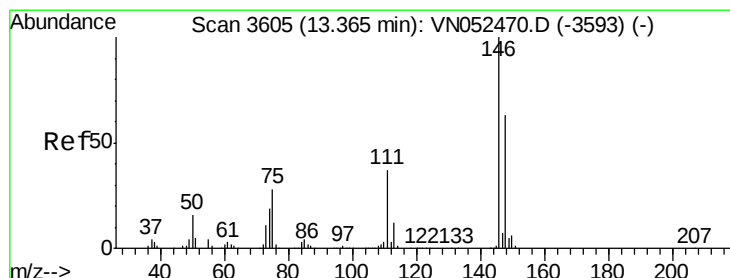
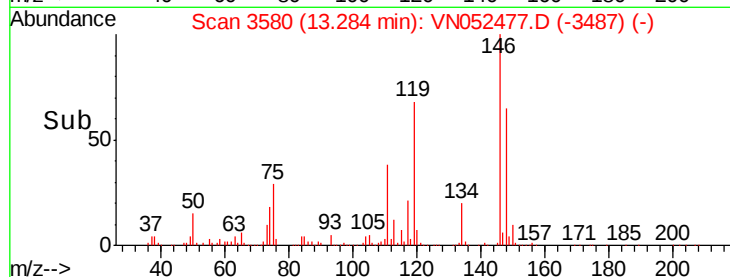
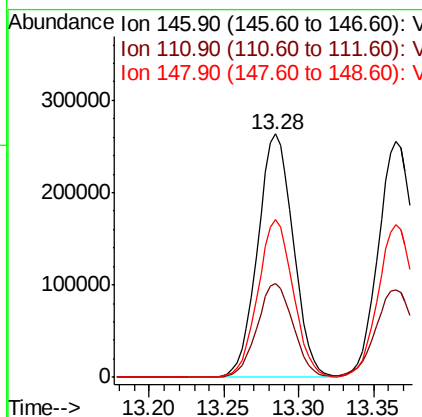
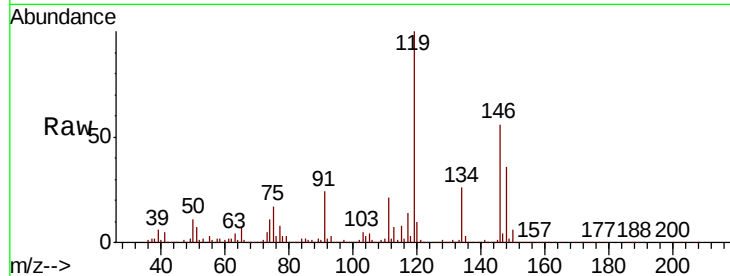
#87  
 1,3-Dichlorobenzene  
 Concen: 19.884 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.0  | 19.4  | 58.4  |
| 148     | 64.4  | 31.8  | 95.4  |

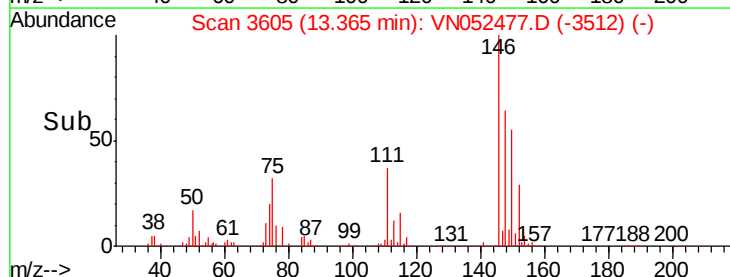
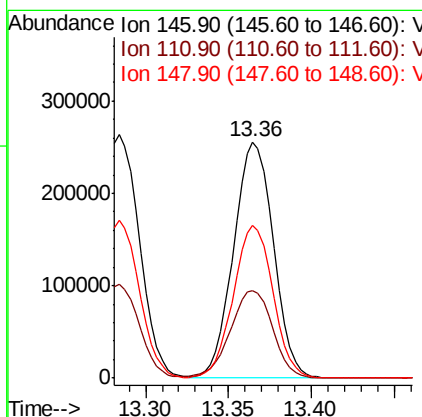
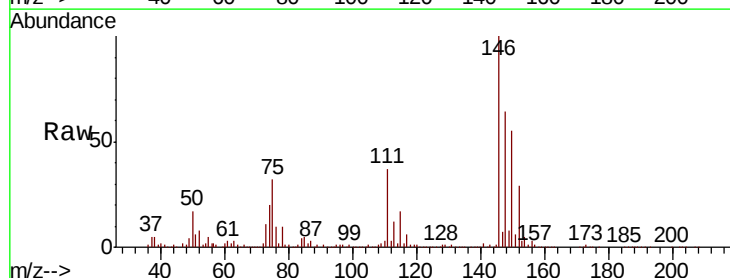
Manual Integrations  
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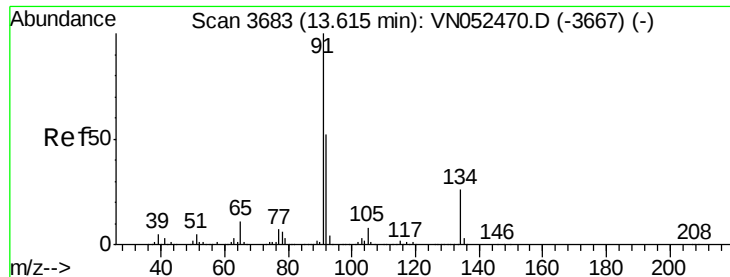
MMDadoda  
 11/28/2018 9:33:52 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.812 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.0  | 18.6  | 56.0  |
| 148     | 64.3  | 31.9  | 95.9  |





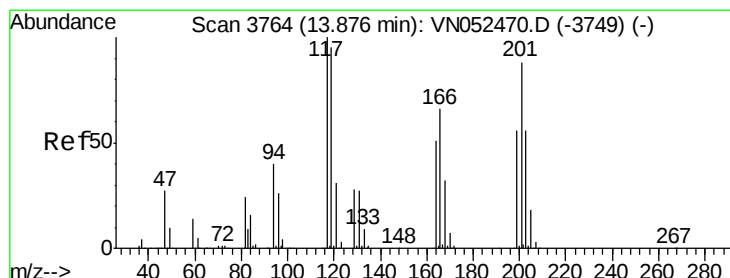
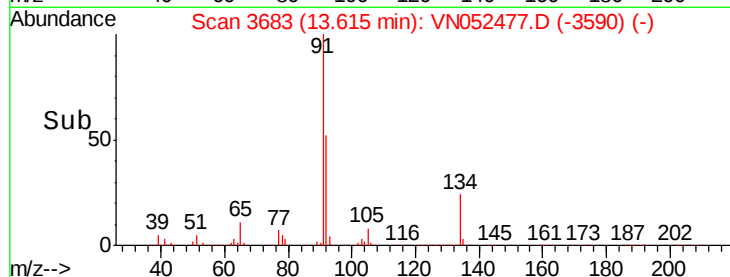
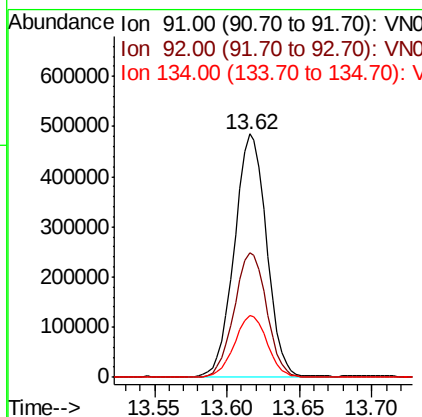
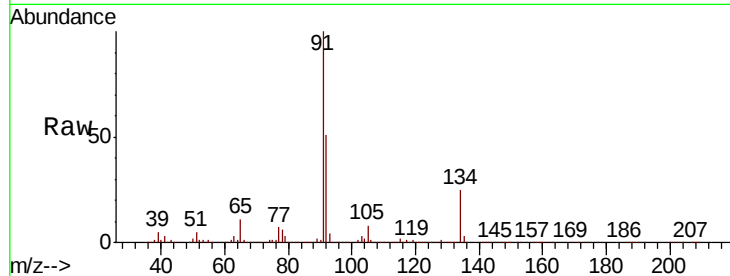
#89  
n-Butylbenzene  
Concen: 21.410 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.0  | 26.1  | 78.3  |
| 134     | 26.0  | 13.0  | 38.9  |

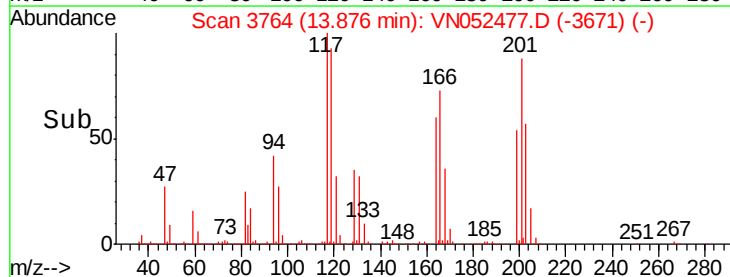
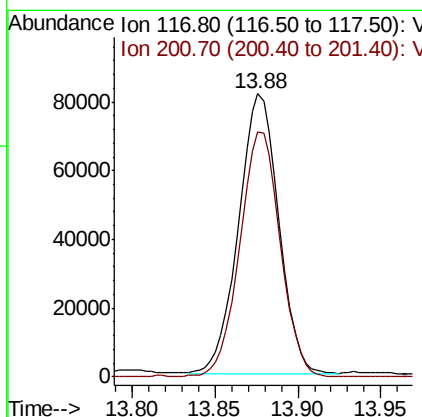
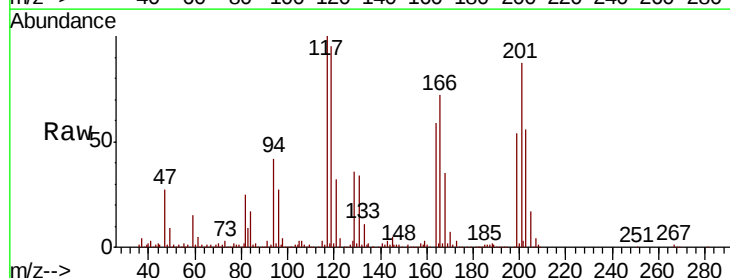
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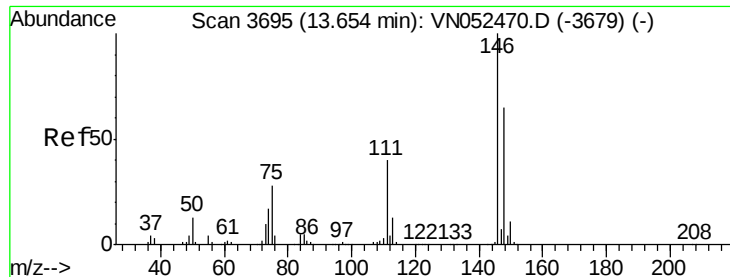
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#90  
Hexachloroethane  
Concen: 19.383 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 88.8  | 43.6  | 130.9 |





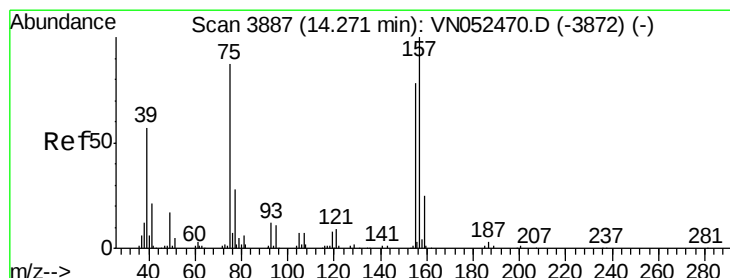
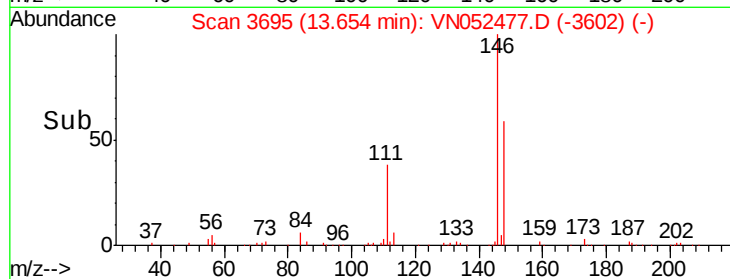
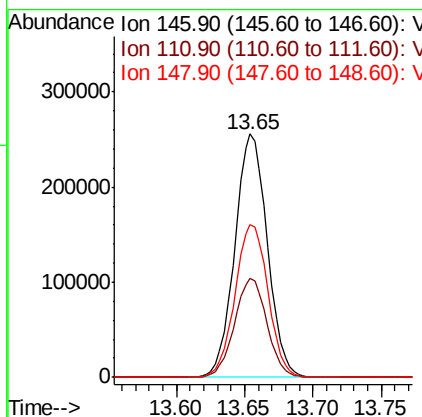
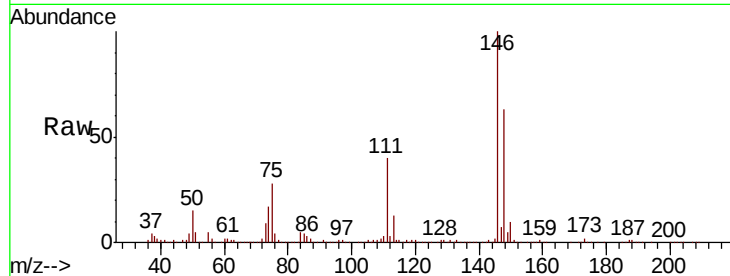
#91  
 1,2-Dichlorobenzene  
 Concen: 20.120 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127MBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 419438 |       |       |
| 111     | 40.6  | 20.0   | 60.0  |       |
| 148     | 63.9  | 32.0   | 96.2  |       |

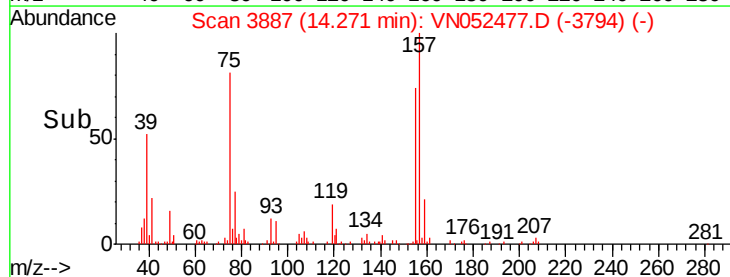
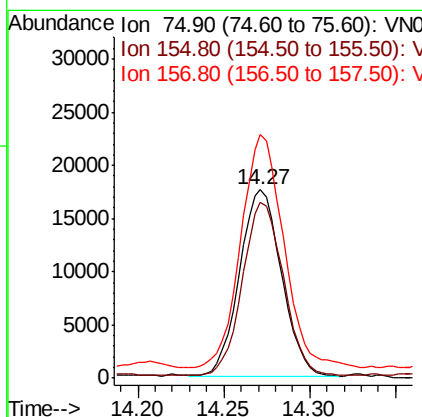
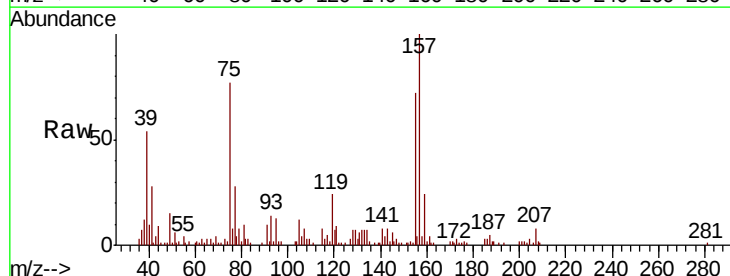
Manual Integrations  
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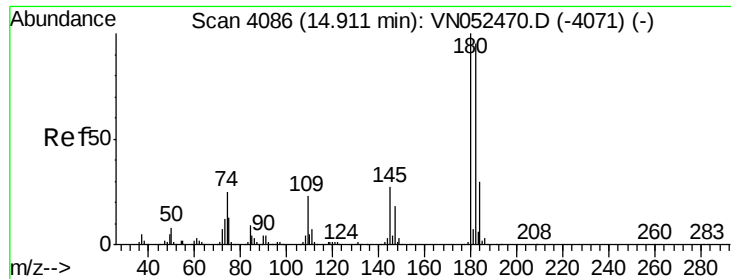
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.218 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 29912 |       |       |
| 155     | 89.6  | 45.3  | 135.9 |       |
| 157     | 126.7 | 58.1  | 174.2 |       |





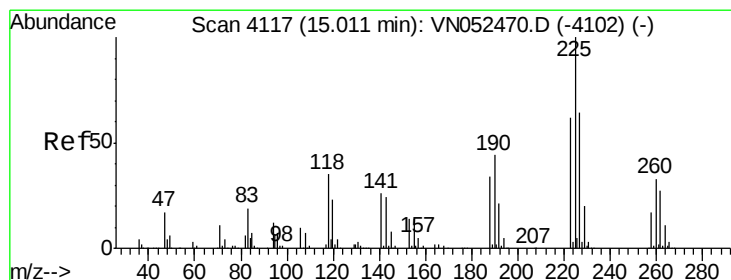
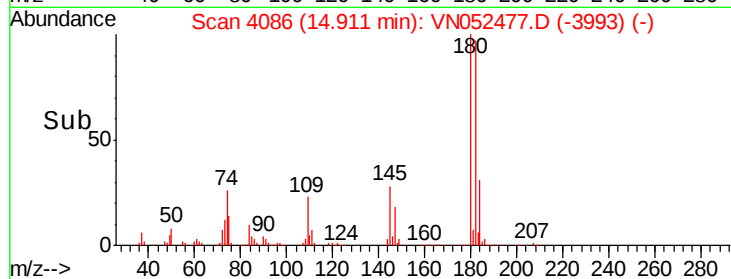
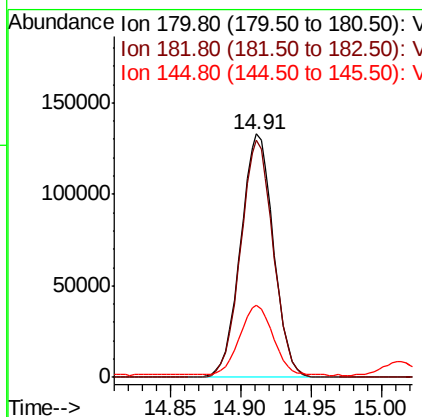
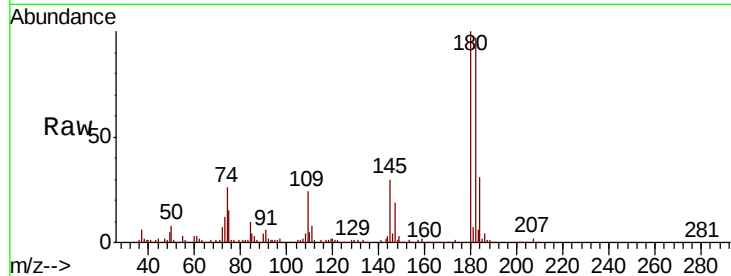
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.755 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127MBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 216984 |       |       |
| 182     | 96.5  | 47.8   | 143.4 |       |
| 145     | 29.1  | 14.1   | 42.3  |       |

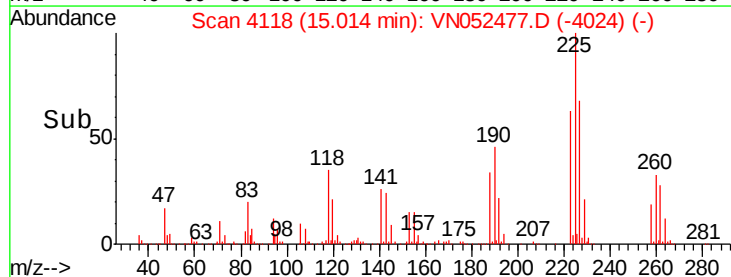
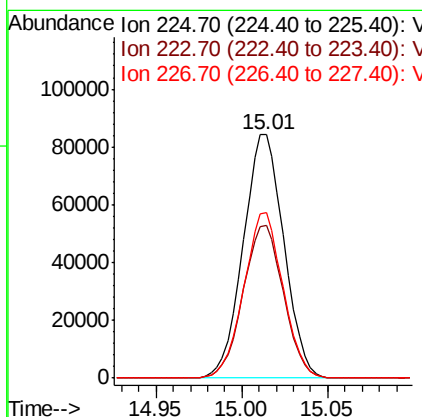
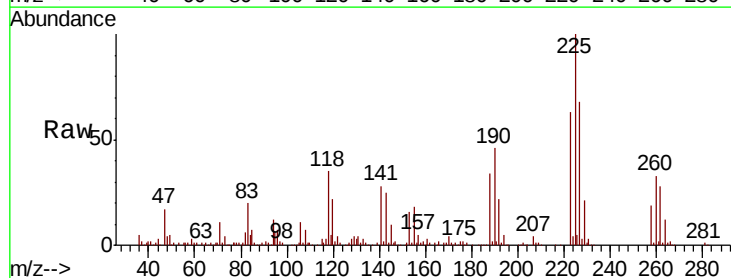
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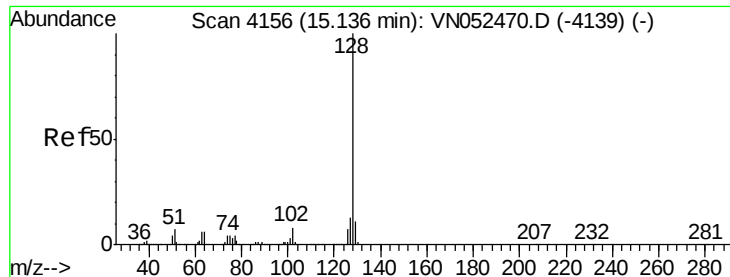
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#94  
 Hexachlorobutadiene  
 Concen: 20.609 ug/l  
 RT: 15.01 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN052477.D  
 Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 138212 |       |       |
| 223     | 62.4  | 31.4   | 94.2  |       |
| 227     | 65.6  | 32.5   | 97.4  |       |





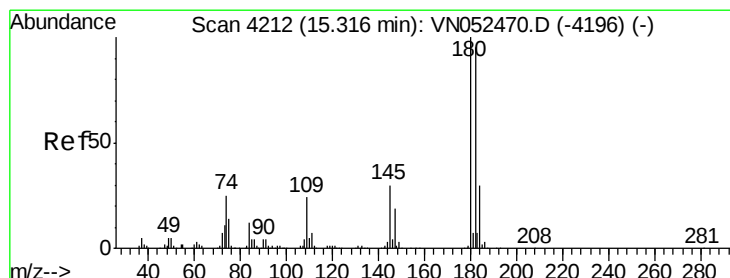
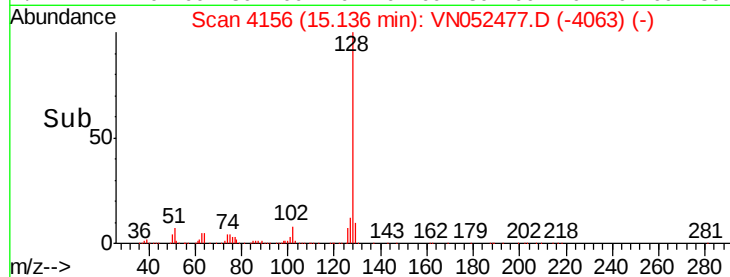
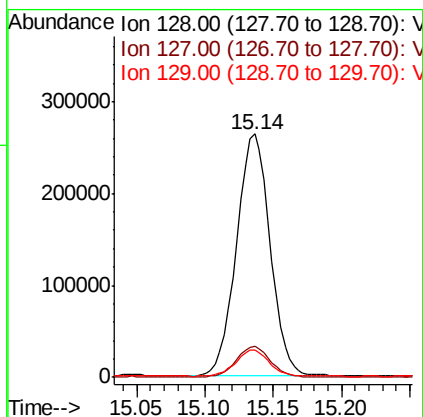
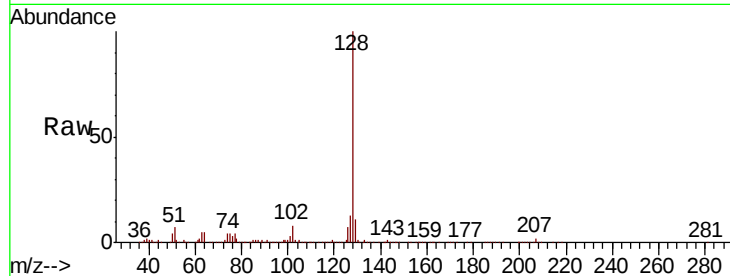
#95  
Naphthalene  
Concen: 20.789 ug/l  
RT: 15.14 min Scan# 4156  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1127MBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.2  | 15.2  |
| 129     | 10.7  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.992 ug/l  
RT: 15.32 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN052477.D  
Acq: 27 Nov 2018 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 47.8  | 143.3 |
| 145     | 33.6  | 15.2  | 45.5  |

