

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013019\  
 Data File : VN053560.D  
 Acq On : 30 Jan 2019 9:46  
 Operator : JC/SP  
 Sample : VSTDIC020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Quant Time: Jan 31 06:57:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 31 05:27:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 723429   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1086350  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 951722   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 451642   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 141746   | 19.53 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 39.06% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 136740   | 19.92 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 39.84% |      |
| 50) Toluene-d8              | 10.09  | 98  | 501047   | 19.44 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 38.88% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 164943   | 19.19 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 38.38% |      |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 166851  | 20.658  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50  | 176355  | 20.534  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 171964  | 20.626  | ug/l   | 99     |
| 5) Bromomethane               | 2.57 | 94  | 107158  | 19.657  | ug/l   | 97     |
| 6) Chloroethane               | 2.71 | 64  | 95825   | 20.113  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 227368  | 20.110  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 81255   | 19.679  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 138797  | 19.850  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.96 | 142 | 214673  | 19.561  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 4.79 | 59  | 39459   | 91.870  | ug/l # | 72     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 134826  | 20.126  | ug/l   | 98     |
| 13) Acrolein                  | 3.61 | 56  | 13833   | 115.063 | ug/l   | 96     |
| 14) Allyl chloride            | 4.33 | 41  | 207848  | 19.486  | ug/l   | 98     |
| 15) Acrylonitrile             | 4.99 | 53  | 230779  | 99.529  | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43  | 171065  | 91.894  | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.05 | 76  | 414699  | 19.880  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 103048  | 18.692  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 336730  | 19.828  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 151107  | 19.348  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 144520  | 19.996  | ug/l   | 97     |
| 22) Diisopropyl ether         | 5.95 | 45  | 392928  | 19.881  | ug/l   | 93     |
| 23) Vinyl Acetate             | 5.90 | 43  | 1356064 | 99.182  | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 261054  | 19.803  | ug/l   | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 254974  | 96.037  | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 195512  | 19.429  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 160203  | 19.934  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.19 | 49  | 115446  | 20.181  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 167453  | 98.223  | ug/l   | 98     |
| 30) Chloroform                | 7.37 | 83  | 258052  | 19.747  | ug/l   | 97     |
| 31) Cyclohexane               | 7.65 | 56  | 241991  | 19.614  | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 212379  | 19.529  | ug/l   | 100    |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 194600  | 19.872  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 111813  | 20.444  | ug/l   | 100    |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 196152  | 19.883  | ug/l   | 100    |

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 Sample : VSTDIC020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Quant Time: Jan 31 06:57:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 31 05:27:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 223636   | 19.249  | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 606081   | 20.070  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.17  | 41   | 55355    | 18.109  | ug/l # | 87       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 178673   | 19.927  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 203065   | 19.225  | ug/l # | 84       |
| 44) Trichloroethene            | 8.83  | 130  | 170372   | 19.817  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 155315   | 20.108  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 90340    | 19.402  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.40  | 83   | 191695   | 19.801  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 91240    | 18.096  | ug/l   | 91       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 27293    | 398.078 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 521578   | 100.489 | ug/l   | 98       |
| 52) Toluene                    | 10.16 | 92   | 361677   | 20.180  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 186860   | 19.276  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 225360   | 19.618  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 128986   | 19.972  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 149530   | 19.572  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 218414   | 19.788  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 427401   | 95.322  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 342040   | 97.071  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 143174   | 19.659  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 124282   | 19.443  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 159732   | 19.579  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 393417   | 19.461  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 137631   | 19.494  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 655343   | 19.734  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 509691   | 40.215  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 244044   | 19.931  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 401621   | 20.237  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 95306    | 19.690  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 644785   | 20.308  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 145202   | 19.018  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 147348   | 19.392  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 181428   | 31.275  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 170913   | 19.974  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 744690   | 20.290  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 433007   | 19.885  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 538260   | 20.444  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 38716    | 18.767  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 443875   | 19.865  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 477696   | 20.529  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 555535   | 20.711  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 645391   | 20.382  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 563943   | 20.363  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 302188   | 19.645  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 296116   | 19.461  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 476756   | 19.889  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 87655    | 19.189  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 294757   | 20.016  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 21728    | 20.064  | ug/l   | 97       |

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Sample : VSTDICC020  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

Quant Time: Jan 31 06:57:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 31 05:27:12 2019  
Response via : Initial Calibration

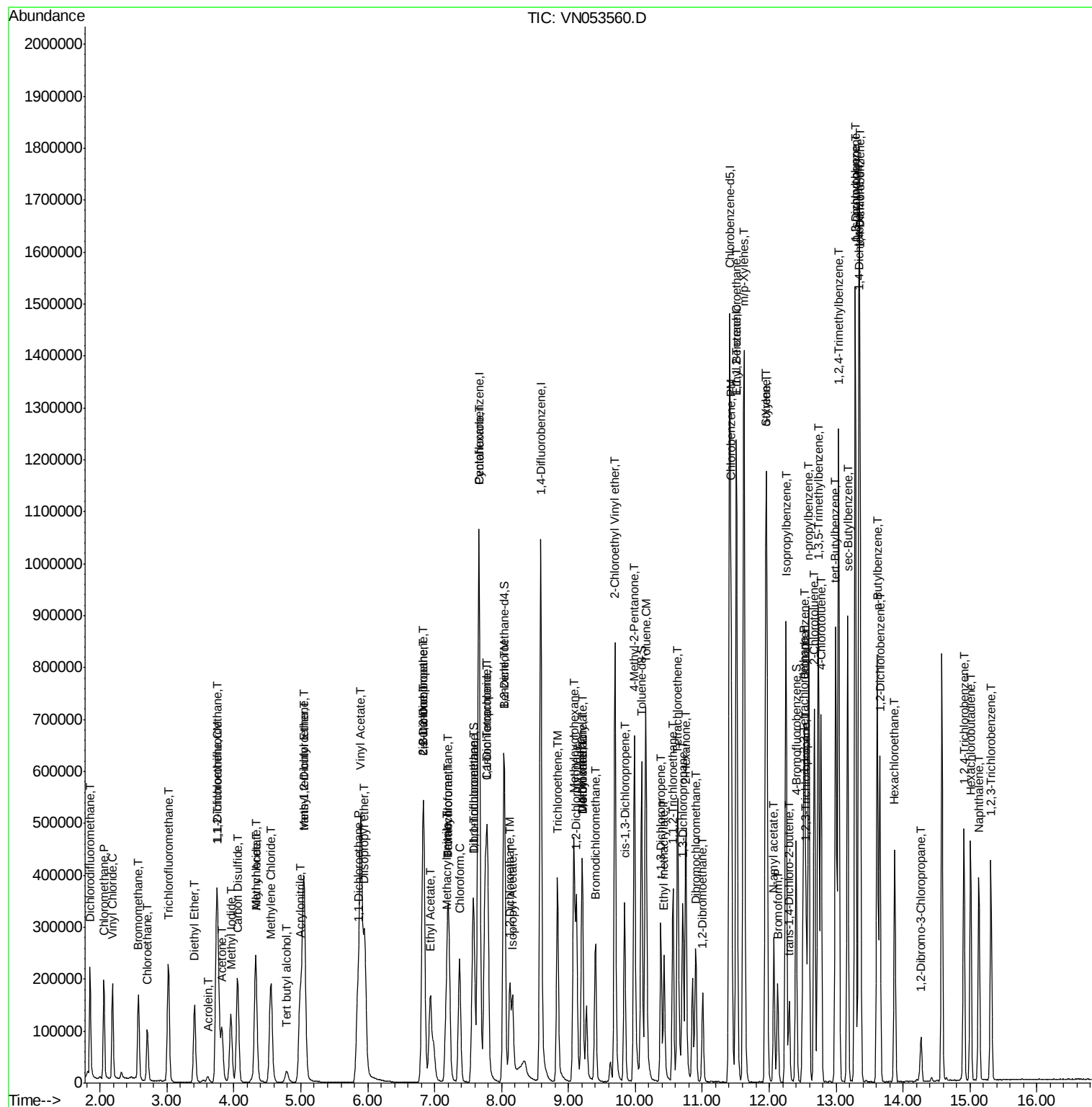
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 168653   | 19.969 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 104955   | 19.954 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 354529   | 18.985 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 160792   | 20.518 | ug/l  | 100      |

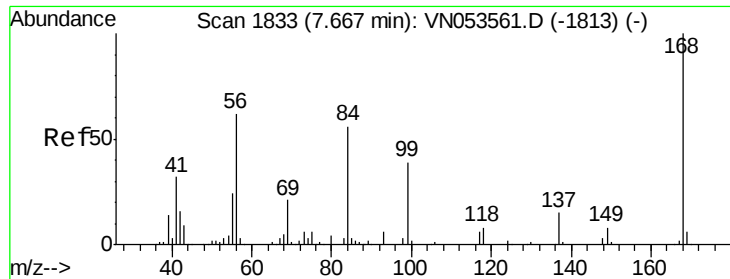
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013019\  
Data File : VN053560.D  
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Sample : VSTDIC020  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Quant Time: Jan 31 06:57:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 31 05:27:12 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

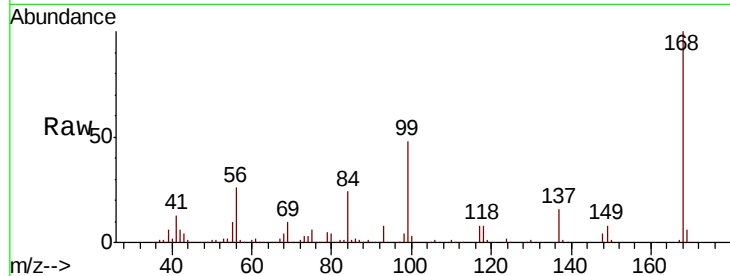
VSTDIC020

Tot Ion:168 Resp: 723429

Ion Ratio Lower Upper

168 100

99 47.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

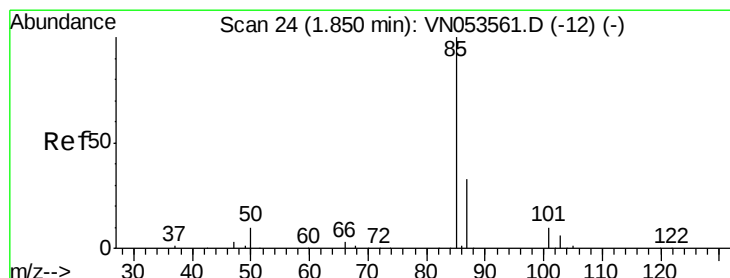
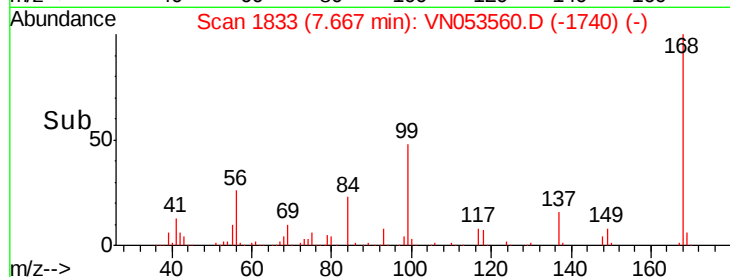
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.658 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053560.D

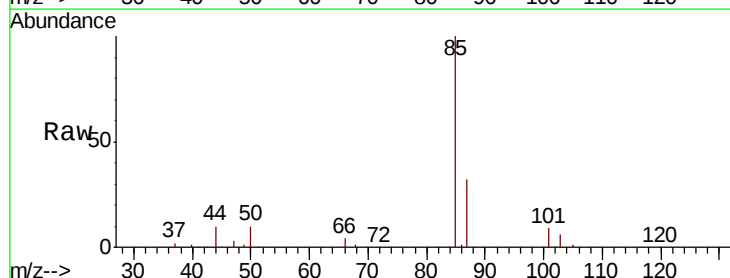
Acq: 30 Jan 2019 9:46

Tgt Ion: 85 Resp: 166851

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

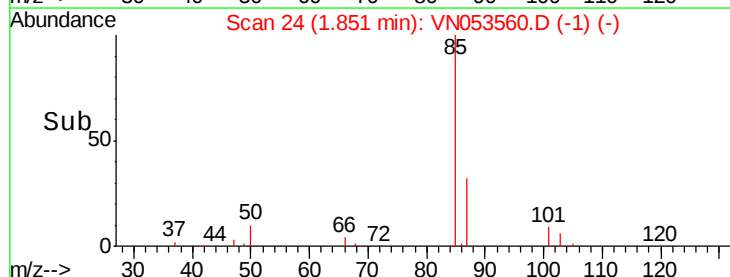
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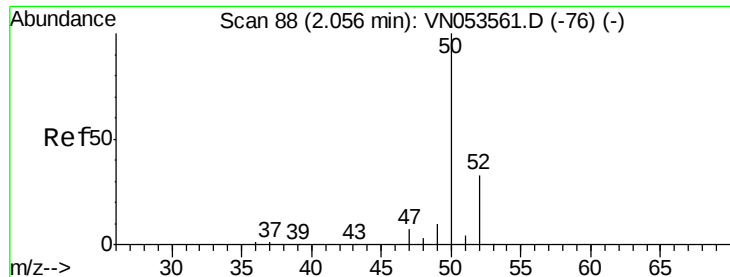
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.534 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

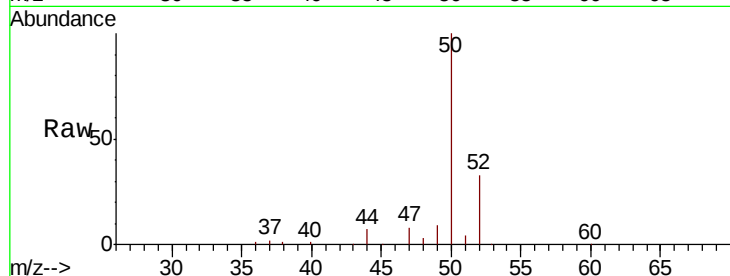
VSTDIC020

Tot Ion: 50 Resp: 176355

Ion Ratio Lower Upper

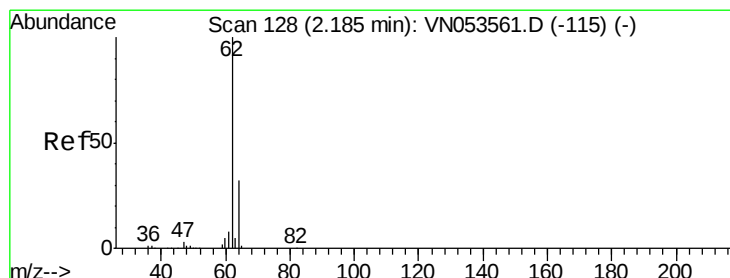
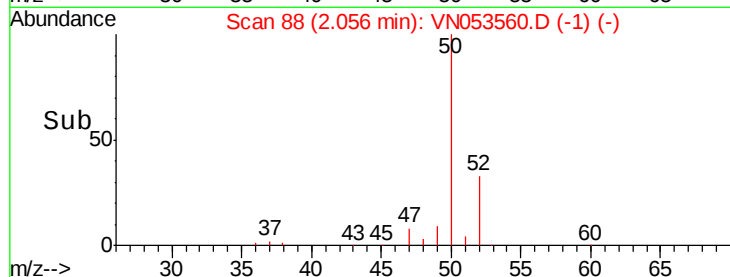
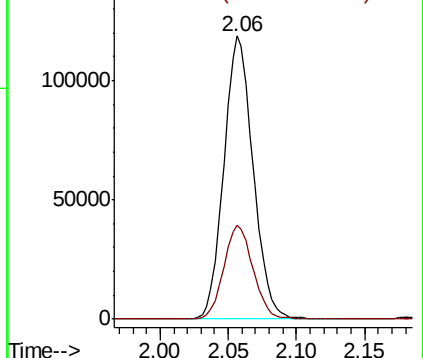
50 100

52 33.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.626 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053560.D

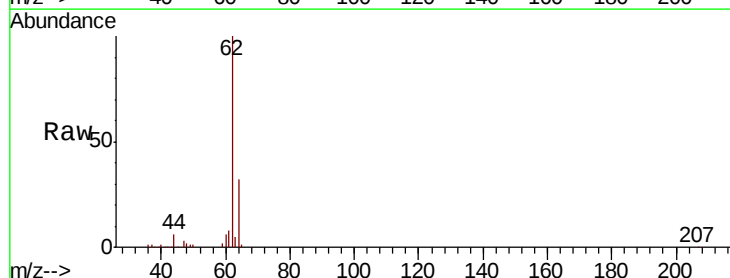
Acq: 30 Jan 2019 9:46

Tgt Ion: 62 Resp: 171964

Ion Ratio Lower Upper

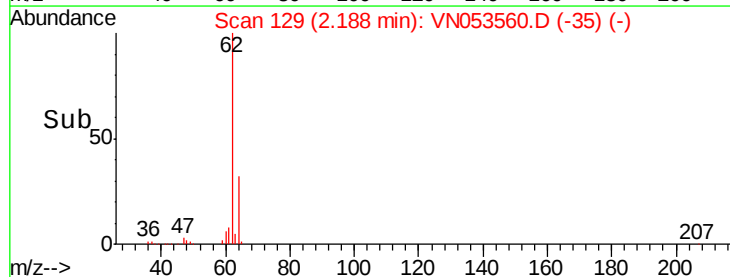
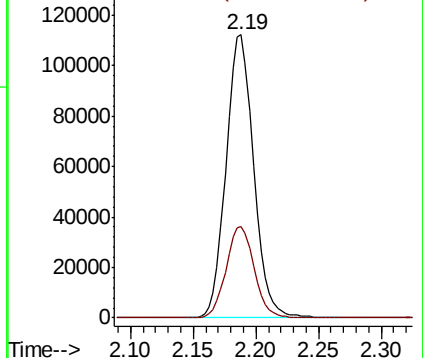
62 100

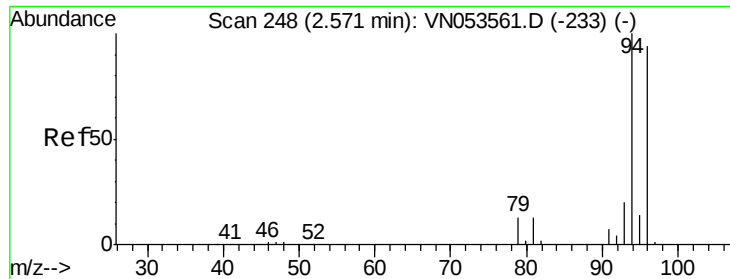
64 32.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

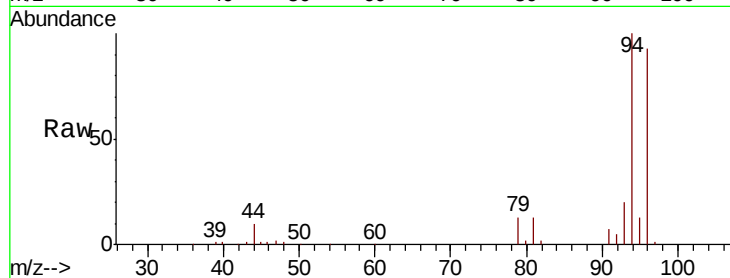




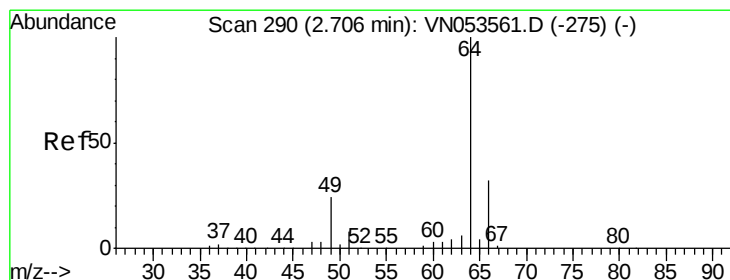
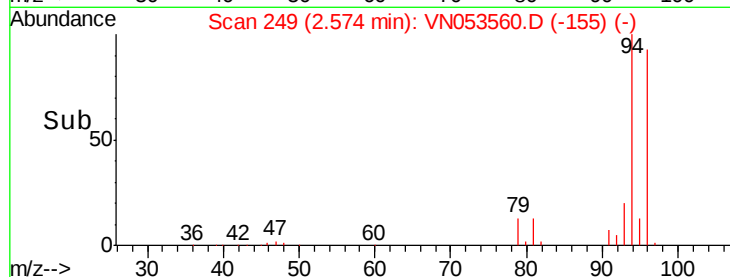
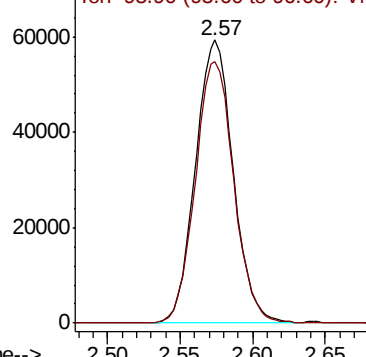
#5  
Bromomethane  
Concen: 19.657 ug/l  
RT: 2.57 min Scan# 249  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Instrument :  
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VSTDIC020

Tot Ion: 94 Resp: 107158  
Ion Ratio Lower Upper  
94 100  
96 92.6 76.8 115.2

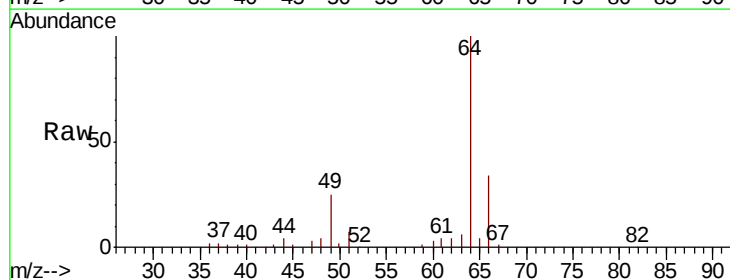


Abundance Ion 93.90 (93.60 to 94.60): VN0  
Ion 95.90 (95.60 to 96.60): VN0

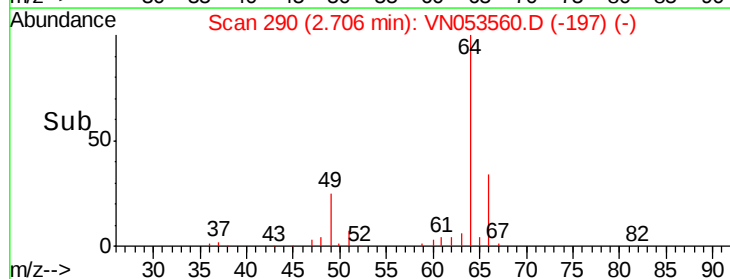
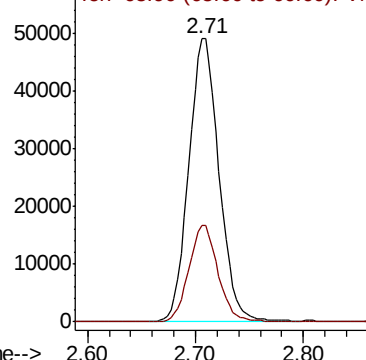


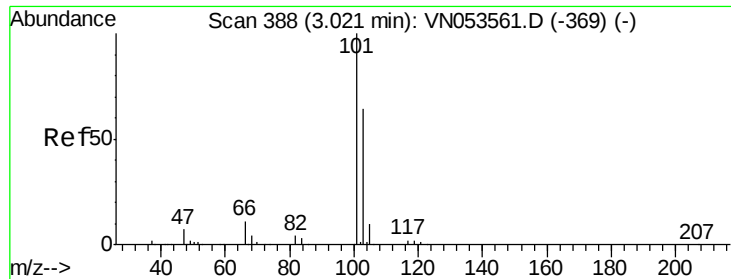
#6  
Chloroethane  
Concen: 20.113 ug/l  
RT: 2.71 min Scan# 290  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion: 64 Resp: 95825  
Ion Ratio Lower Upper  
64 100  
66 34.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0  
Ion 65.90 (65.60 to 66.60): VN0



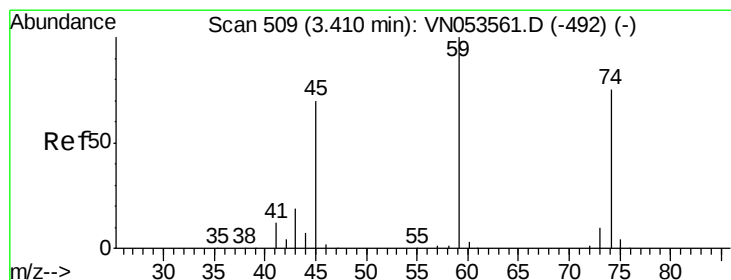
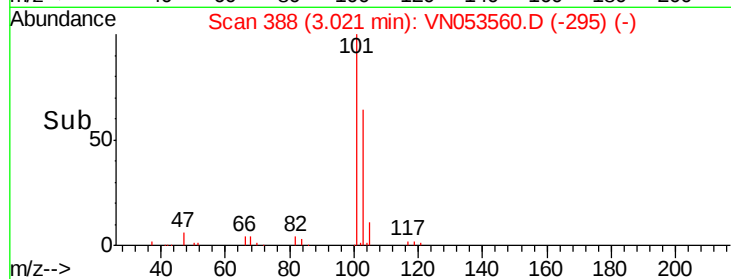
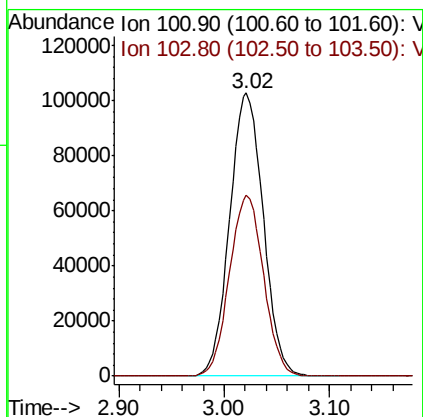
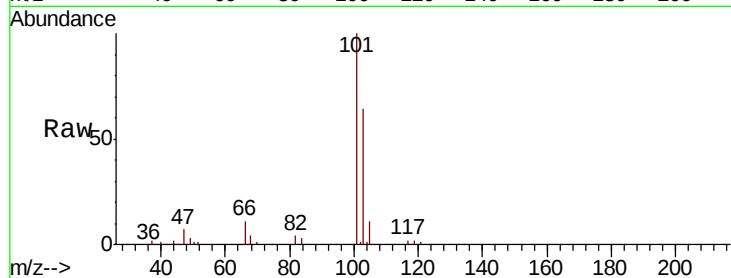


#7

Trichlorofluoromethane  
 Concen: 20.110 ug/l  
 RT: 3.02 min Scan# 388  
 Delta R.T. 0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

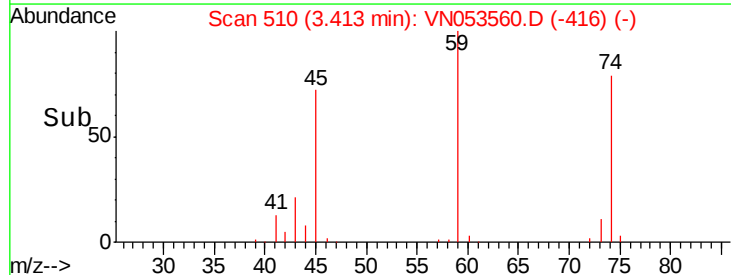
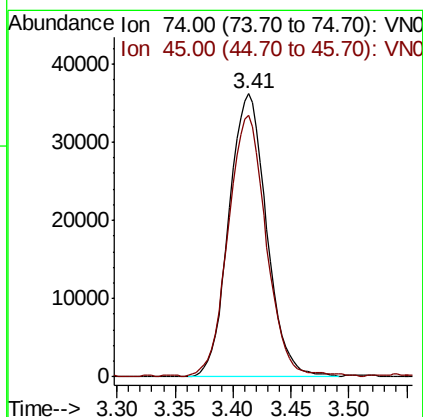
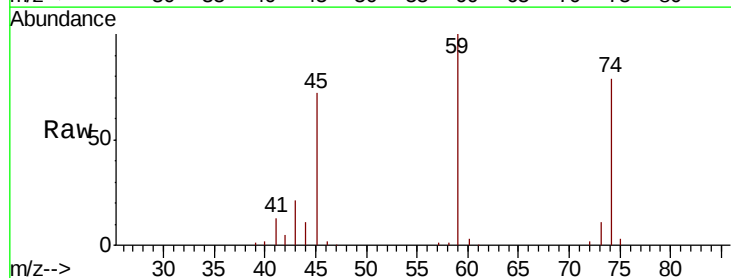
Tot Ion:101 Resp: 227368  
 Ion Ratio Lower Upper  
 101 100  
 103 63.9 51.6 77.4



#8

Diethyl Ether  
 Concen: 19.679 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

Tgt Ion: 74 Resp: 81255  
 Ion Ratio Lower Upper  
 74 100  
 45 92.9 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.850 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

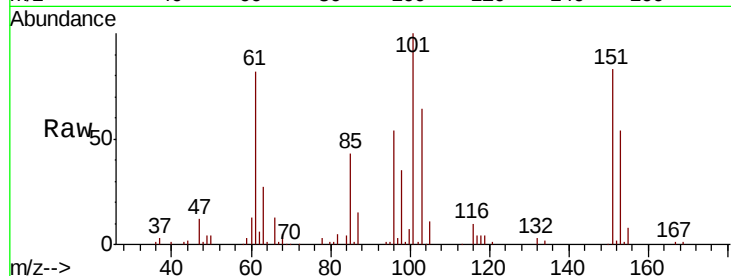
Tot Ion:101 Resp: 138797

Ion Ratio Lower Upper

101 100

85 42.5 32.8 49.2

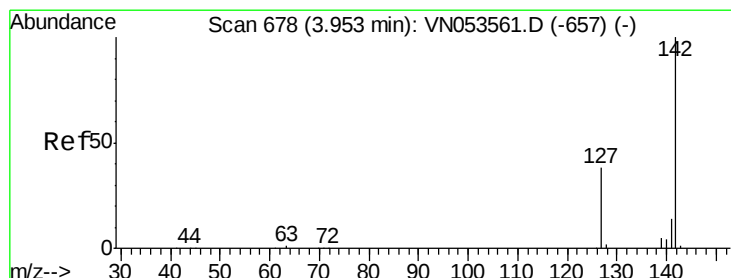
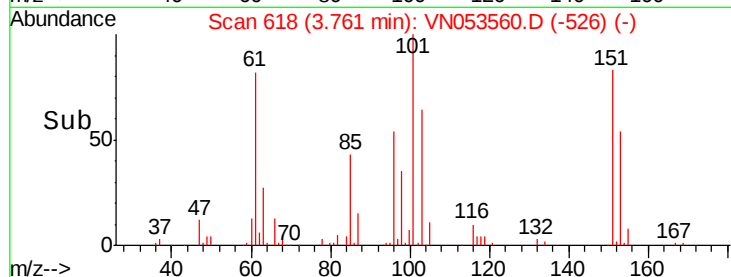
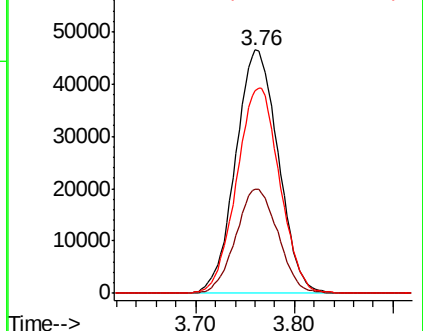
151 85.4 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.561 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

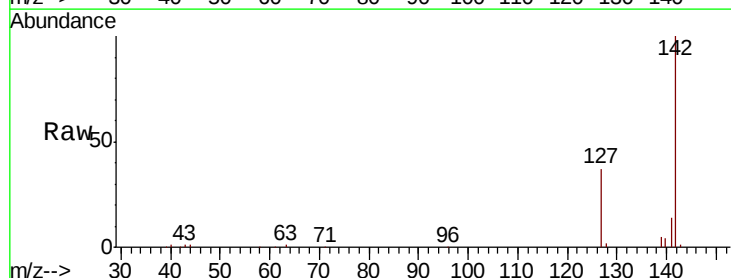
Tgt Ion:142 Resp: 214673

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

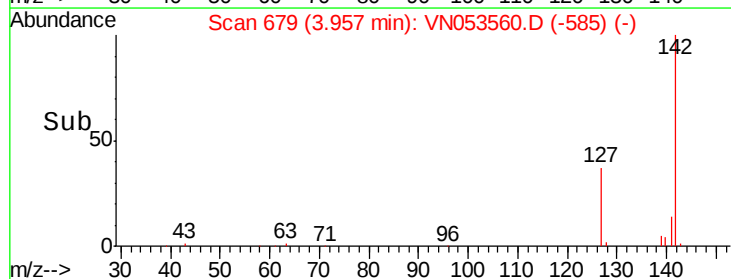
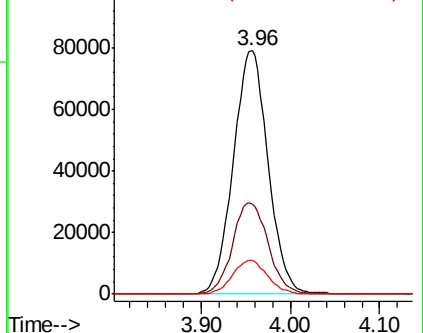
141 13.9 11.1 16.7

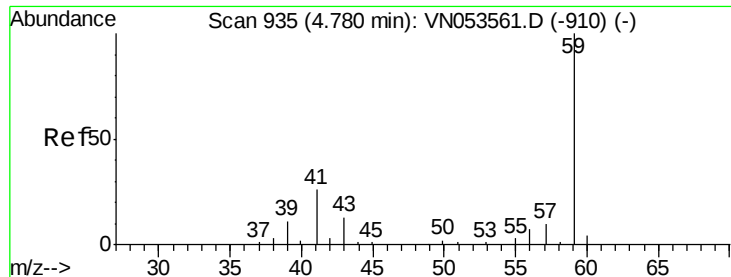


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

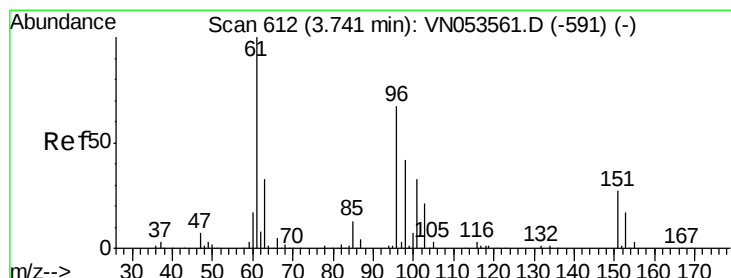
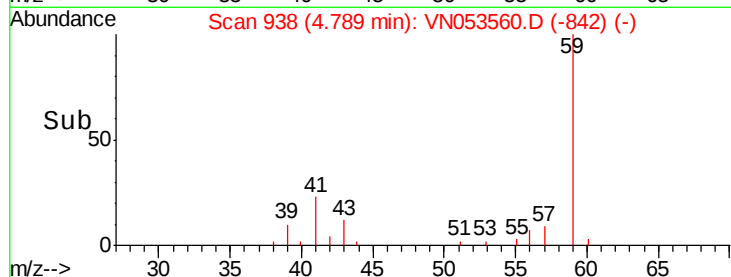
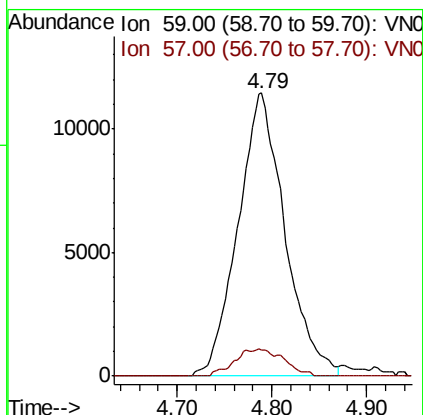
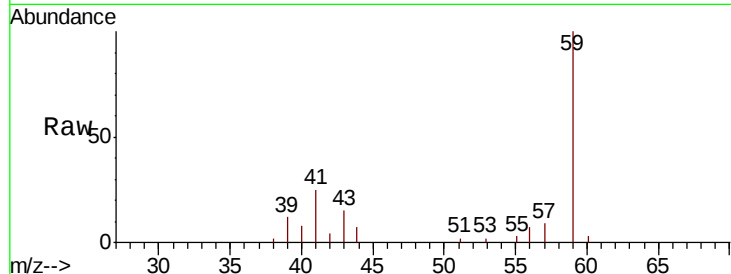




#11  
Tert butyl alcohol  
Concen: 91.870 ug/l  
RT: 4.79 min Scan# 938  
Delta R.T. 0.01 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

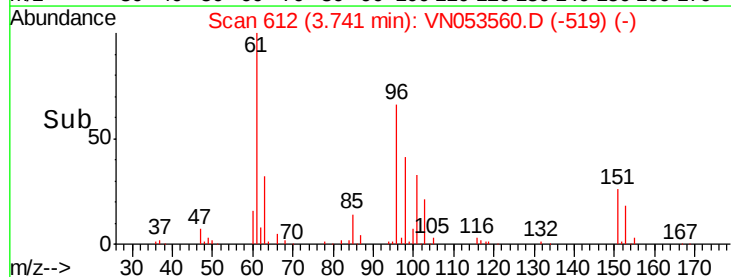
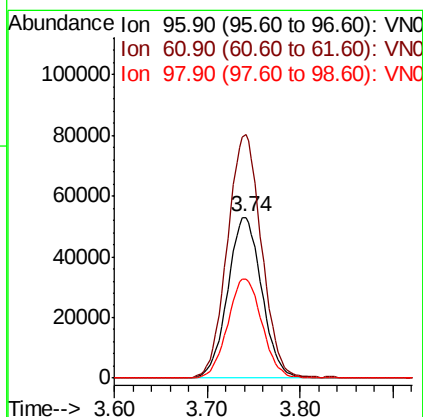
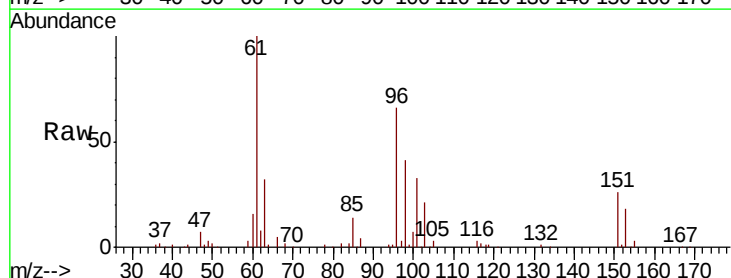
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

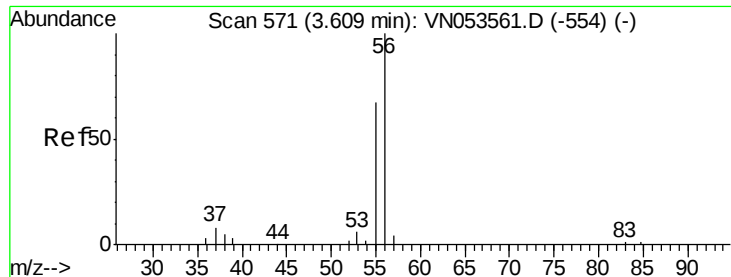
Tot Ion: 59 Resp: 39459  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#



#12  
1,1-Dichloroethene  
Concen: 20.126 ug/l  
RT: 3.74 min Scan# 612  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion: 96 Resp: 134826  
Ion Ratio Lower Upper  
96 100  
61 150.9 122.9 184.3  
98 61.7 49.4 74.0





#13

Acrolein

Concen: 115.063 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

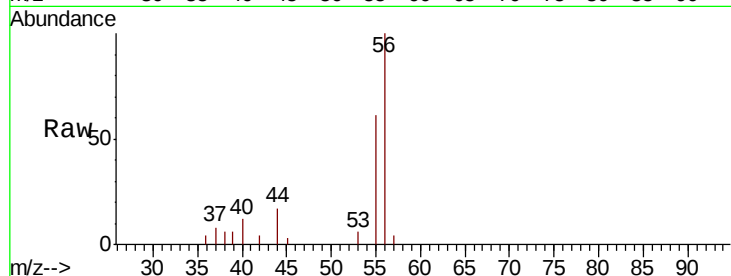
VSTDIC020

Tot Ion: 56 Resp: 13833

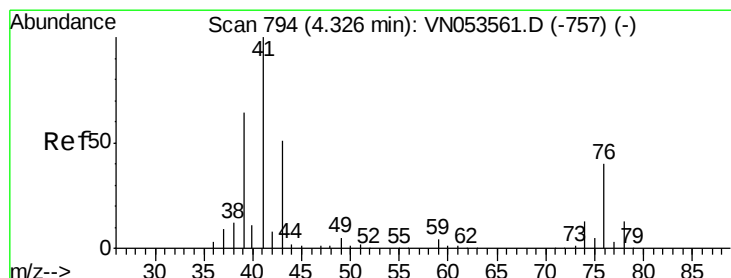
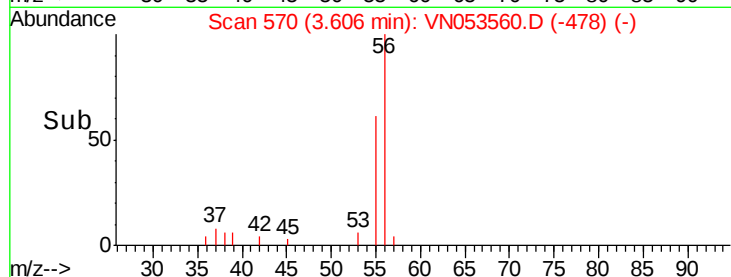
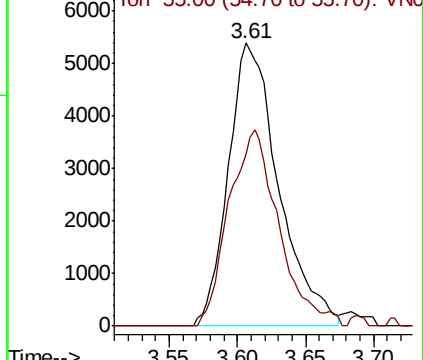
Ion Ratio Lower Upper

56 100

55 68.7 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN053560.D (-478) (-)



#14

Allyl chloride

Concen: 19.486 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

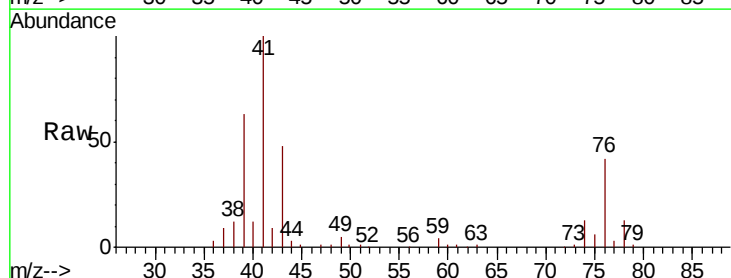
Tgt Ion: 41 Resp: 207848

Ion Ratio Lower Upper

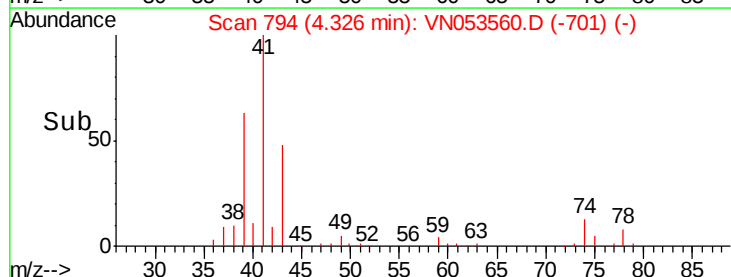
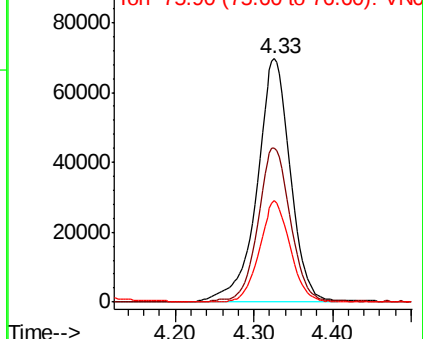
41 100

39 62.2 48.9 73.3

76 38.4 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN053560.D (-701) (-)





#15

Acrylonitrile

Concen: 99.529 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

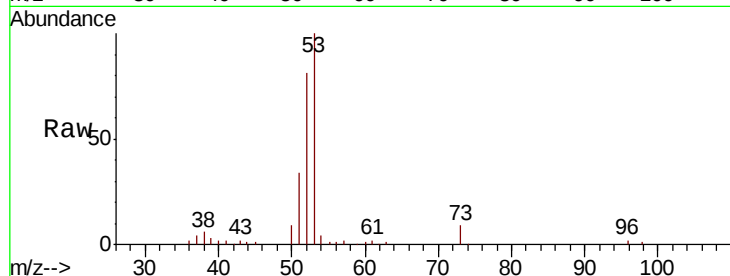
Tot Ion: 53 Resp: 230779

Ion Ratio Lower Upper

53 100

52 81.1 66.0 99.0

51 35.2 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053560.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN053560.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN053560.D (-975) (-)

4.99

80000

60000

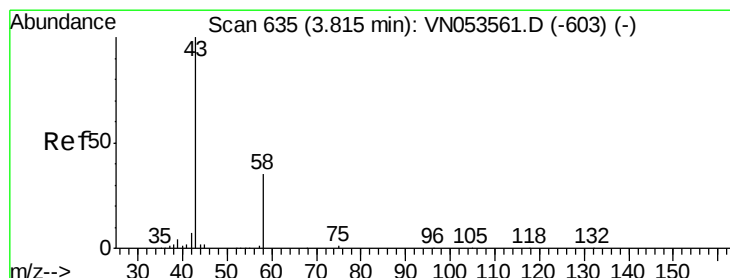
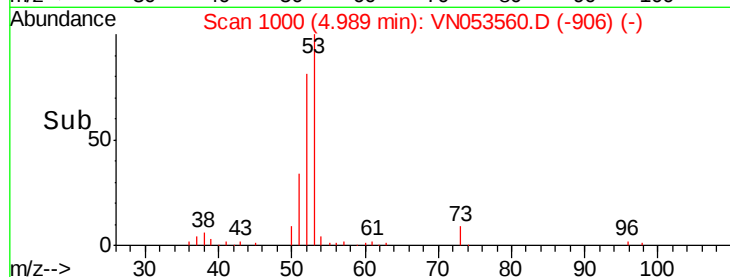
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#16

Acetone

Concen: 91.894 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053560.D

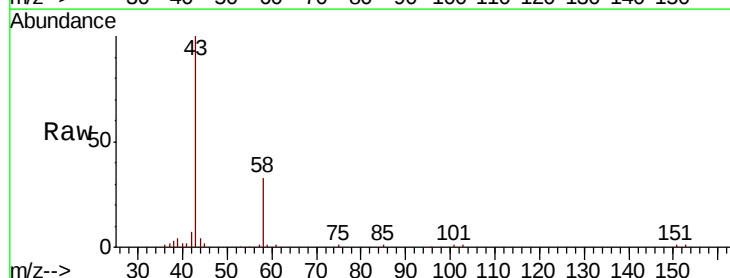
Acq: 30 Jan 2019 9:46

Tgt Ion: 43 Resp: 171065

Ion Ratio Lower Upper

43 100

58 33.4 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053560.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053560.D (-542) (-)

3.82

60000

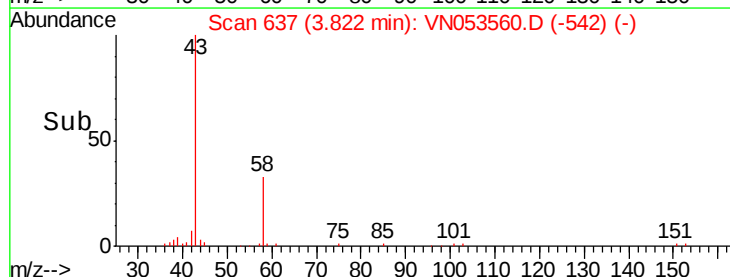
40000

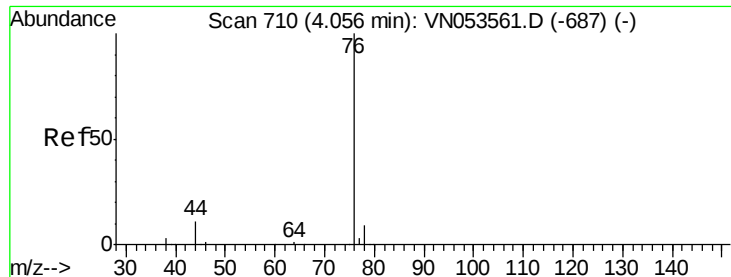
20000

0

Time-->

3.70 3.80 3.90

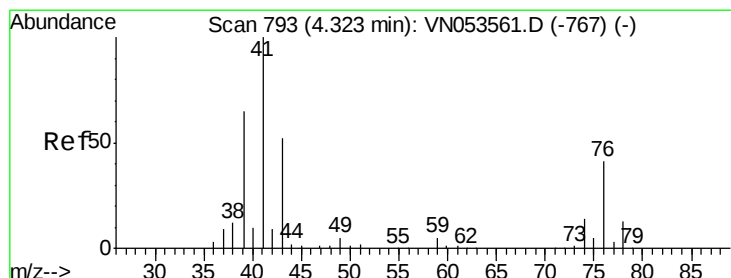
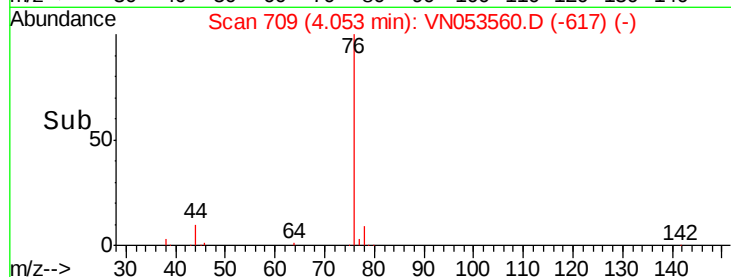
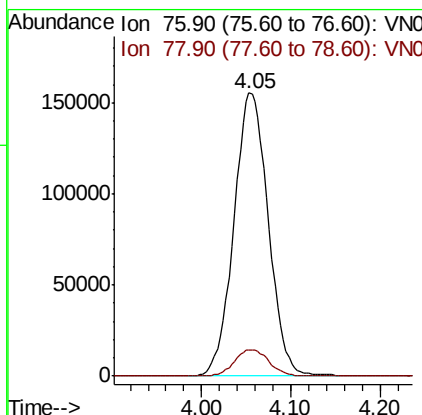
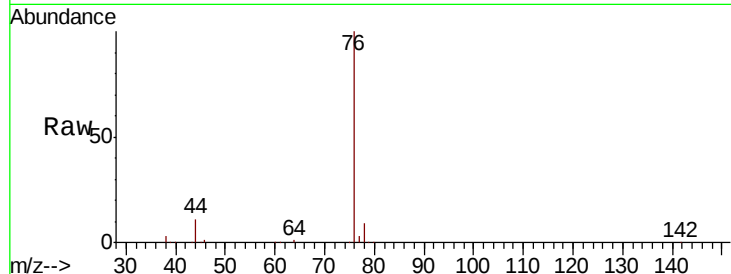




#17  
Carbon Disulfide  
Concen: 19.880 ug/l  
RT: 4.05 min Scan# 709  
Delta R.T. -0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

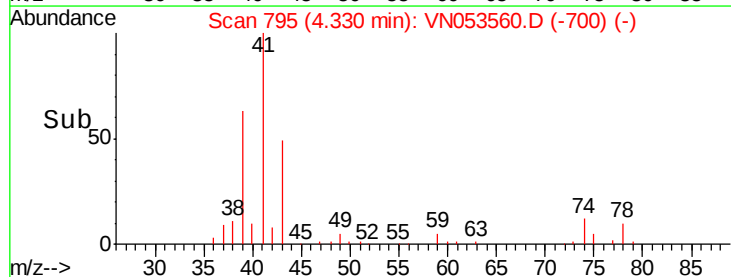
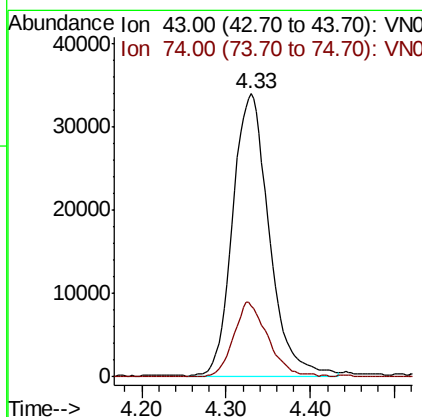
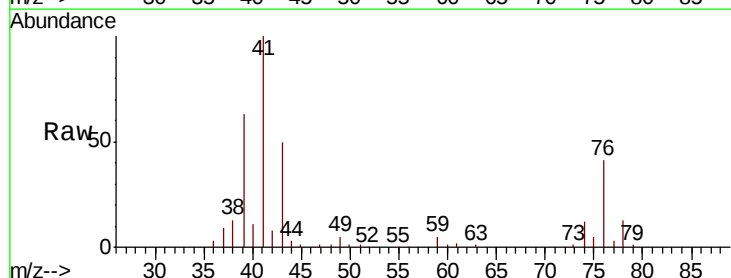
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

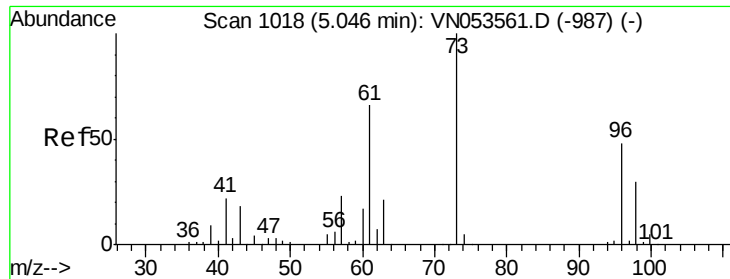
Tot Ion: 76 Resp: 414699  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.3 10.9



#18  
Methyl Acetate  
Concen: 18.692 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. 0.01 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion: 43 Resp: 103048  
Ion Ratio Lower Upper  
43 100  
74 24.3 19.4 29.2

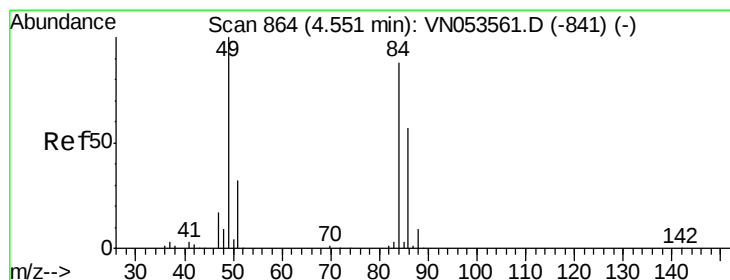
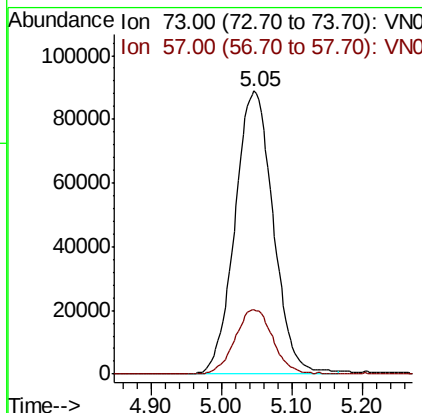
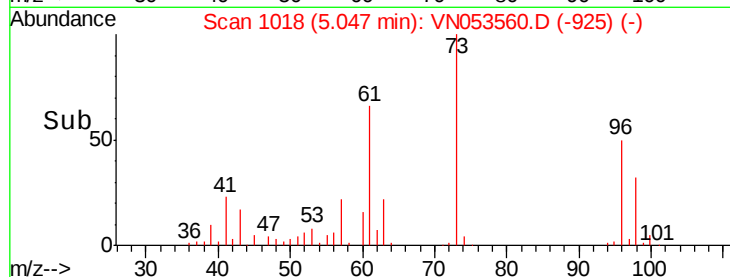
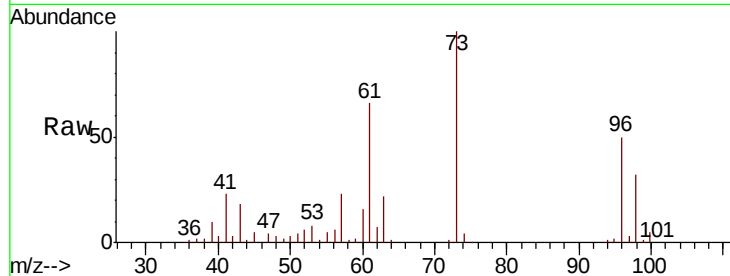




#19  
Methvl tert-butvl Ether  
Concen: 19.828 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

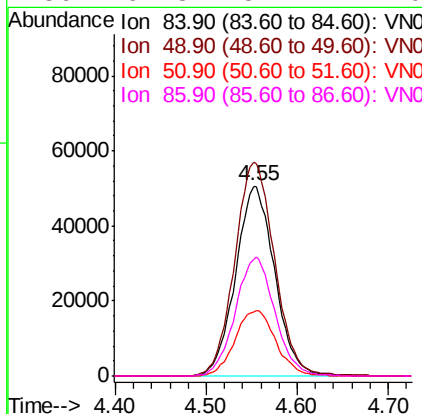
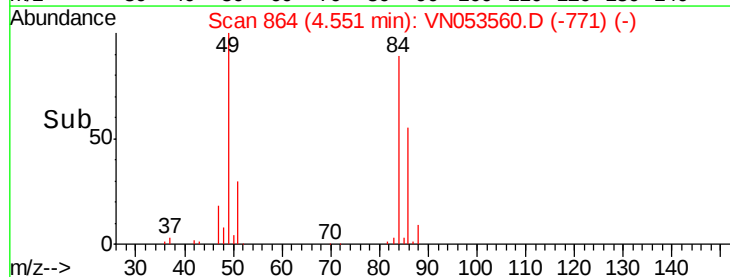
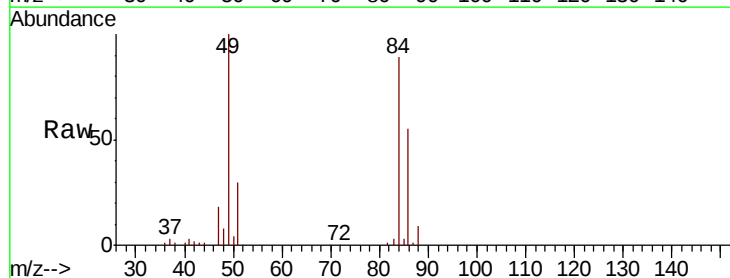
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

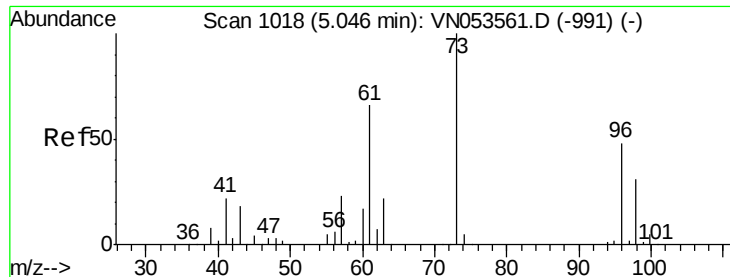
Tot Ion: 73 Resp: 336730  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.3 27.5



#20  
Methylene Chloride  
Concen: 19.348 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion: 84 Resp: 151107  
Ion Ratio Lower Upper  
84 100  
49 112.6 94.3 141.5  
51 33.7 29.4 44.2  
86 61.8 51.4 77.0

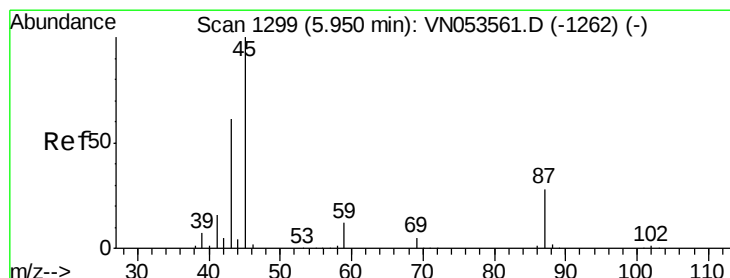
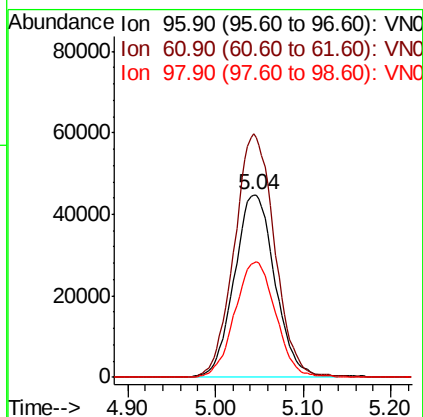
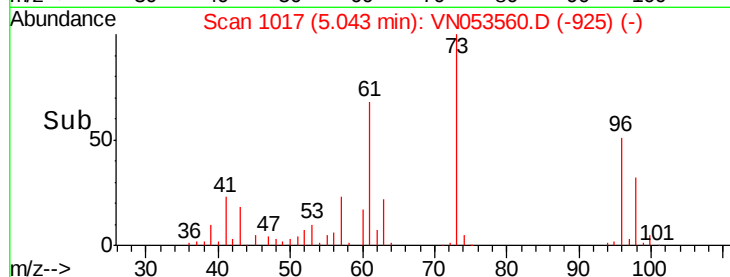
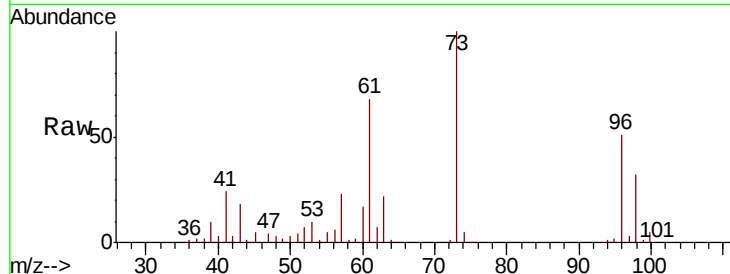




#21  
trans-1,2-Dichloroethene  
Concen: 19.996 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

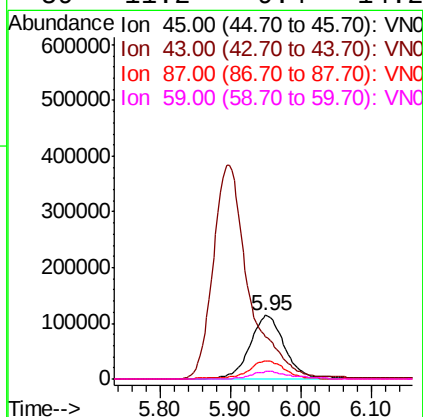
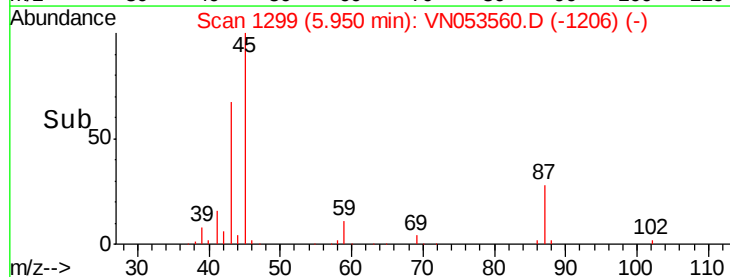
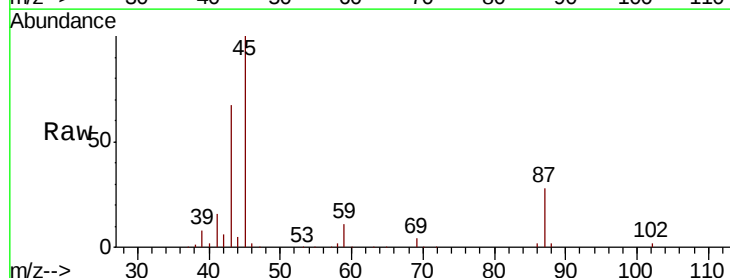
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

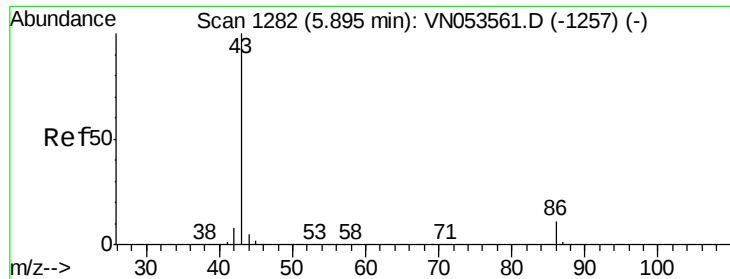
Tot Ion: 96 Resp: 144520  
Ion Ratio Lower Upper  
96 100  
61 133.5 110.1 165.1  
98 63.0 50.0 75.0



#22  
Diisopropyl ether  
Concen: 19.881 ug/l  
RT: 5.95 min Scan# 1299  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion: 45 Resp: 392928  
Ion Ratio Lower Upper  
45 100  
43 63.6 44.2 66.4  
87 27.6 22.7 34.1  
59 11.2 9.4 14.2

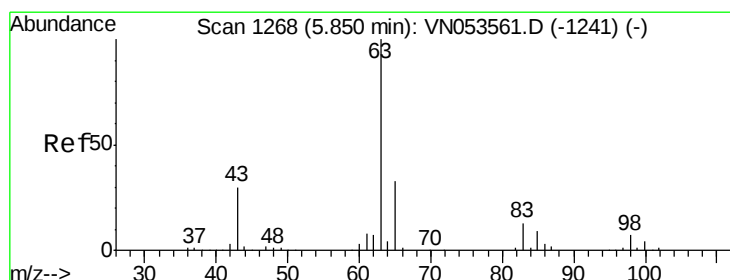
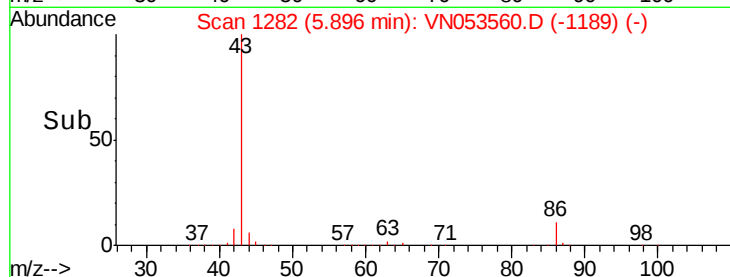
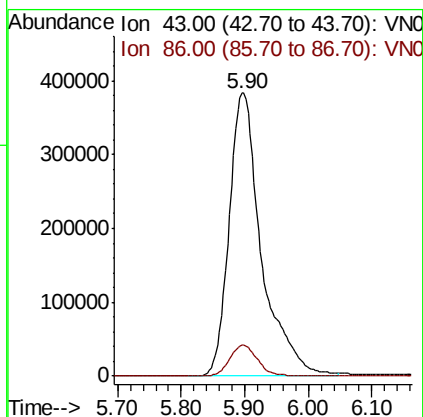
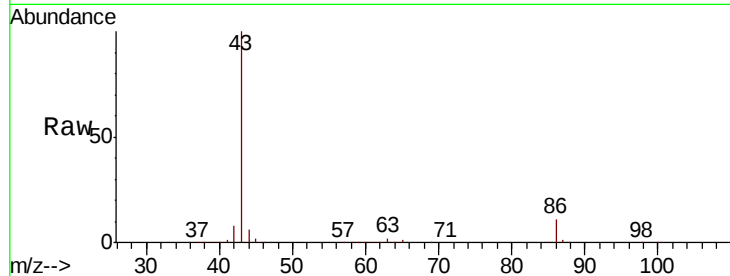




#23  
 Vinyl Acetate  
 Concen: 99.182 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

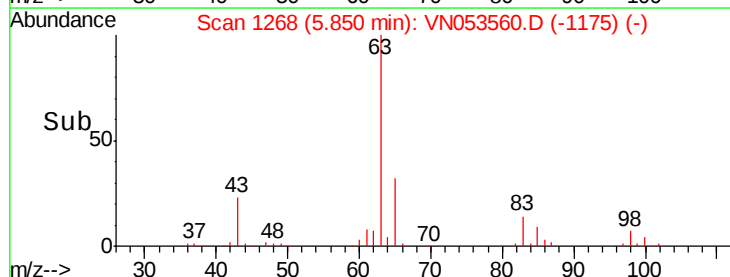
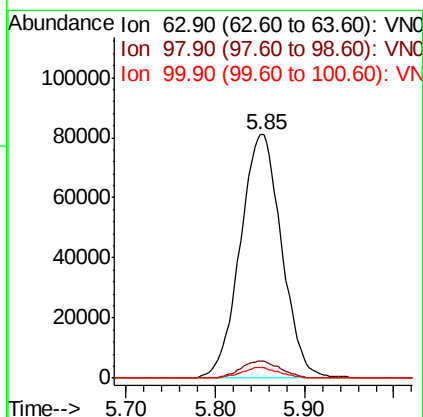
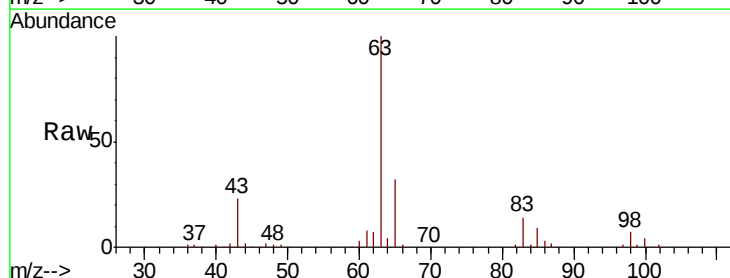
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Tot Ion: 43 Resp: 1356064  
 Ion Ratio Lower Upper  
 43 100  
 86 11.0 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 19.803 ug/l  
 RT: 5.85 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

Tgt Ion: 63 Resp: 261054  
 Ion Ratio Lower Upper  
 63 100  
 98 7.3 3.3 9.9  
 100 4.5 2.1 6.5





#25

2-Butanone

Concen: 96.037 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

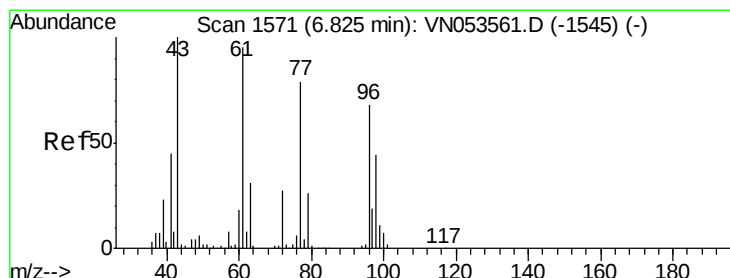
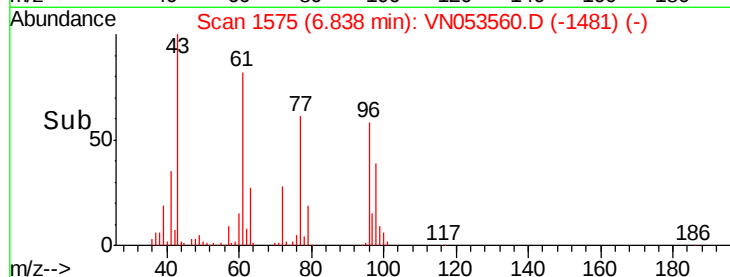
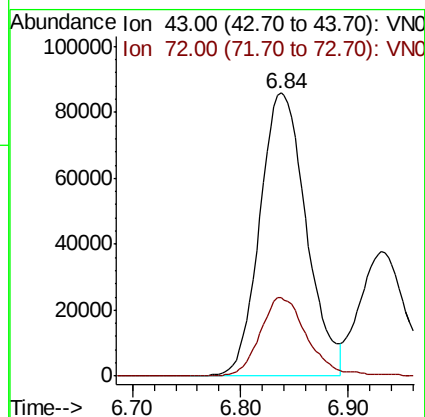
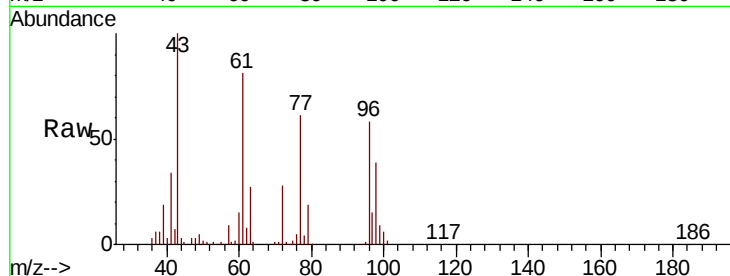
VSTDIC020

Tot Ion: 43 Resp: 254974

Ion Ratio Lower Upper

43 100

72 27.7 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.429 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053560.D

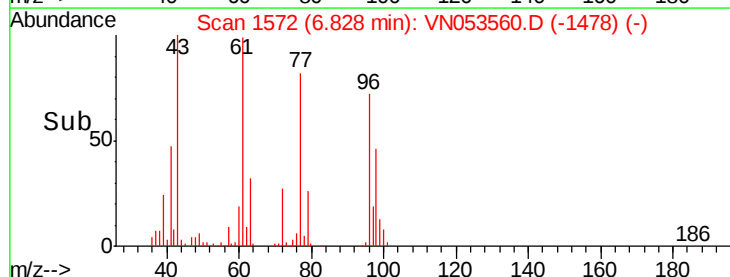
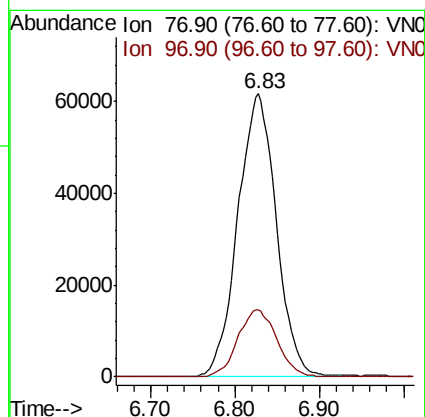
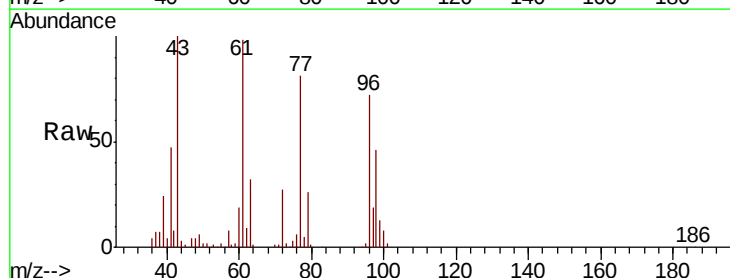
Acq: 30 Jan 2019 9:46

Tgt Ion: 77 Resp: 195512

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.934 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

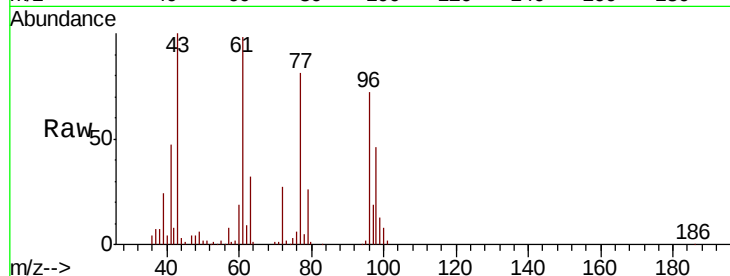
Tot Ion: 96 Resp: 160203

Ion Ratio Lower Upper

96 100

61 138.6 0.0 283.8

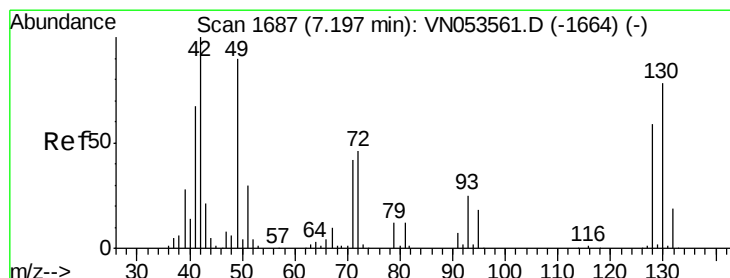
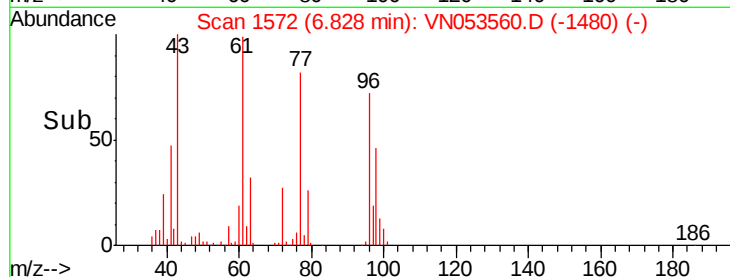
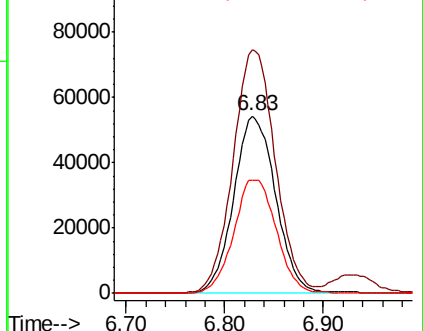
98 65.1 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053560.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053560.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053560.D (-1480) (-)



#28

Bromochloromethane

Concen: 20.181 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

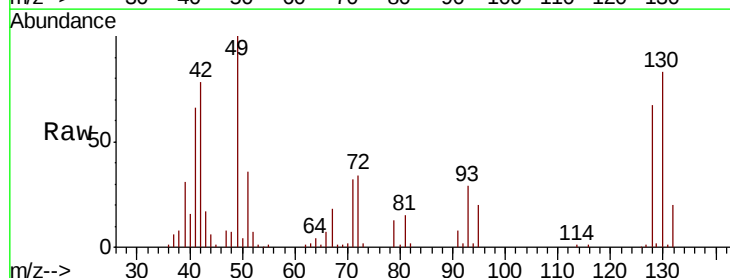
Tgt Ion: 49 Resp: 115446

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

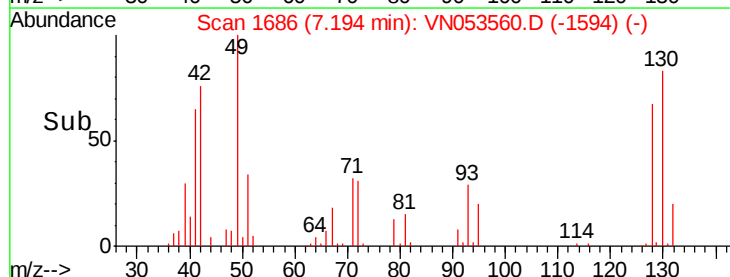
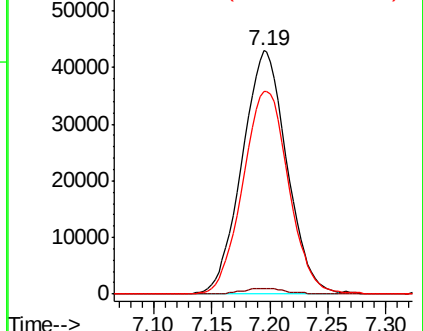
130 85.3 66.3 99.5

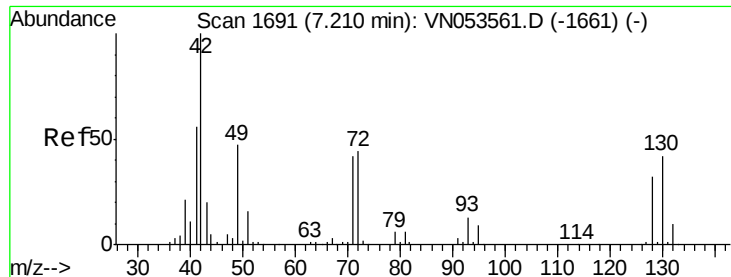


Abundance Ion 48.90 (48.60 to 49.60): VN053560.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN053560.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN053560.D (-1594) (-)

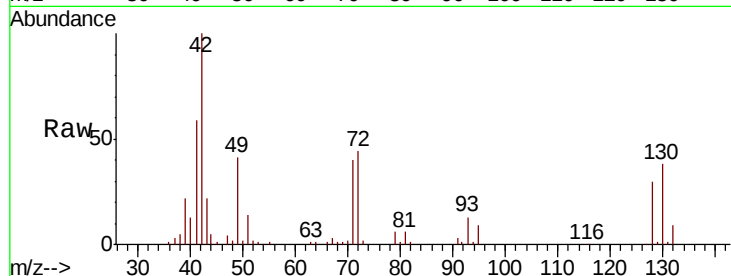




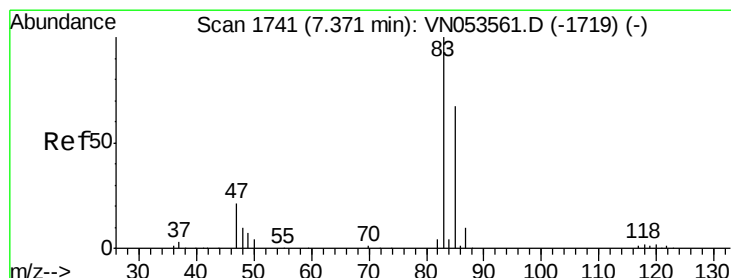
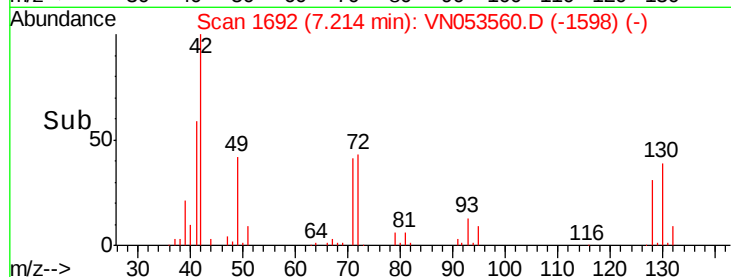
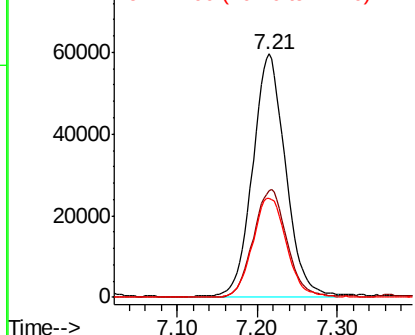
#29  
Tetrahydrofuran  
Concen: 98.223 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tot Ion: 42 Resp: 167453  
Ion Ratio Lower Upper  
42 100  
72 45.4 35.2 52.8  
71 42.3 33.0 49.4

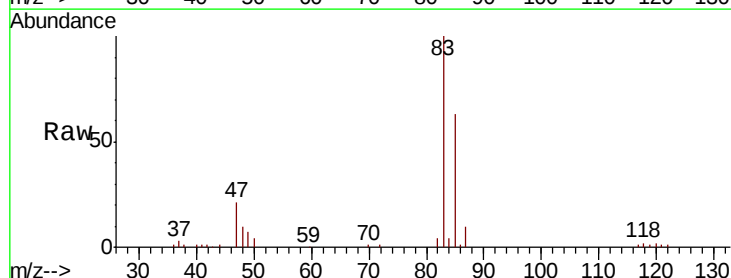


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

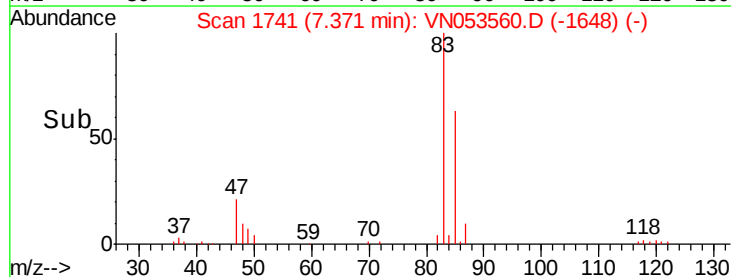
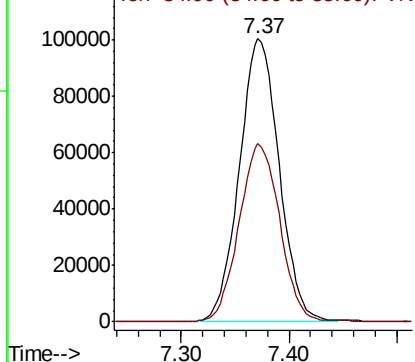


#30  
Chloroform  
Concen: 19.747 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion: 83 Resp: 258052  
Ion Ratio Lower Upper  
83 100  
85 62.9 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.614 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

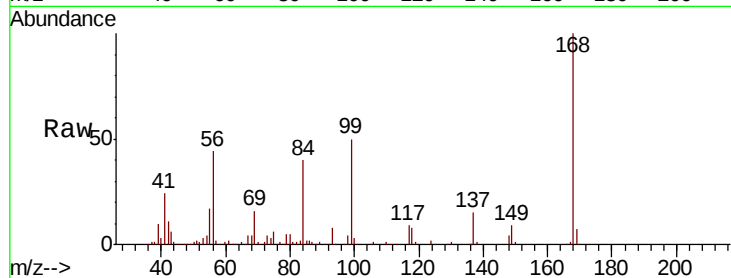
Tot Ion: 56 Resp: 241991

Ion Ratio Lower Upper

56 100

69 36.5 26.4 39.6

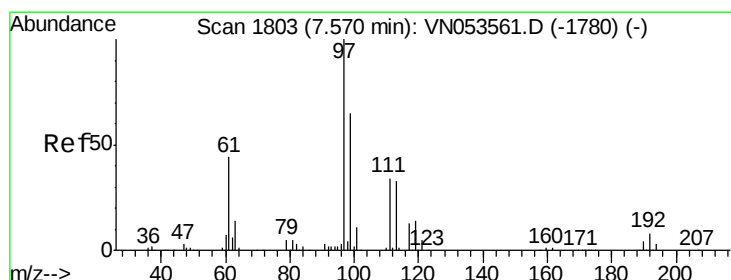
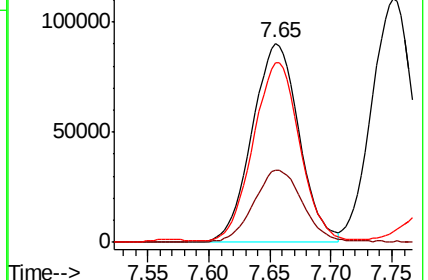
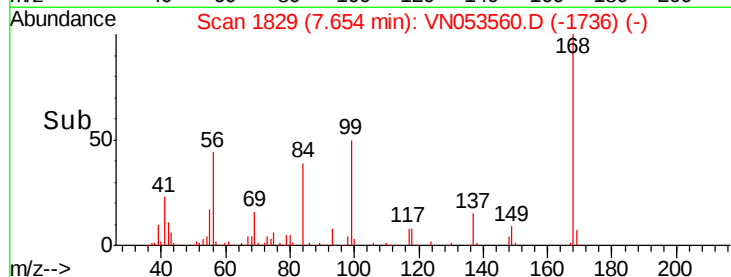
84 89.6 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN053560.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053560.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053560.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.529 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

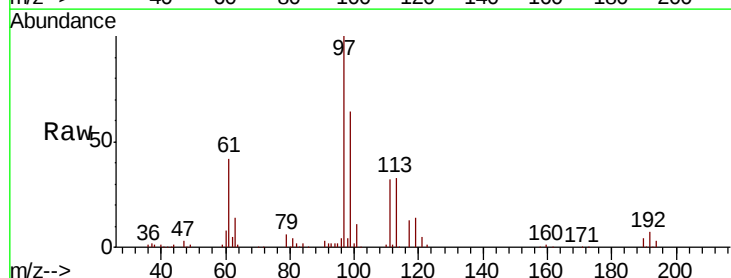
Tgt Ion: 97 Resp: 212379

Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

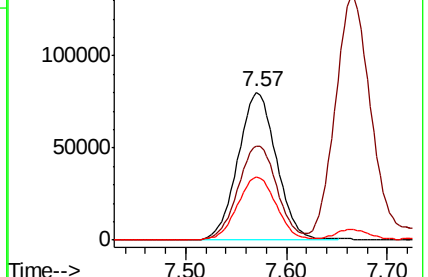
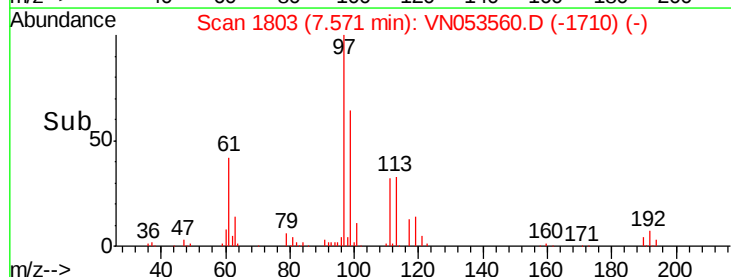
61 42.9 34.4 51.6

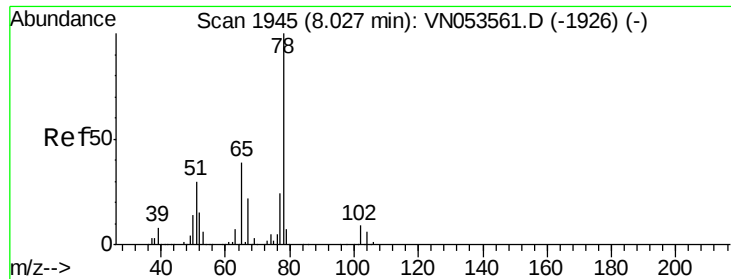


Abundance Ion 96.90 (96.60 to 97.60): VN053560.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053560.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053560.D (-1710) (-)





#33

1,2-Dichloroethane-d4

Concen: 19.529 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

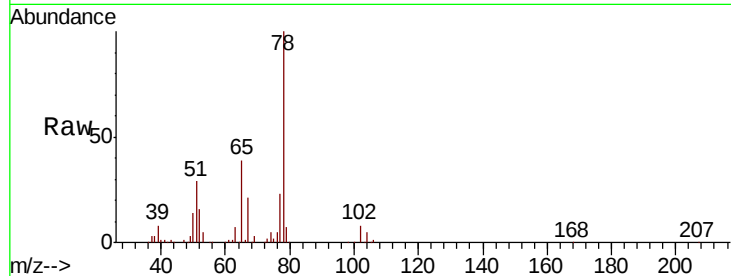
VSTDIC020

Tot Ion: 65 Resp: 141746

Ion Ratio Lower Upper

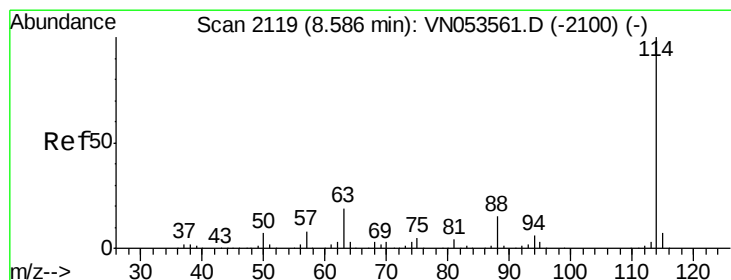
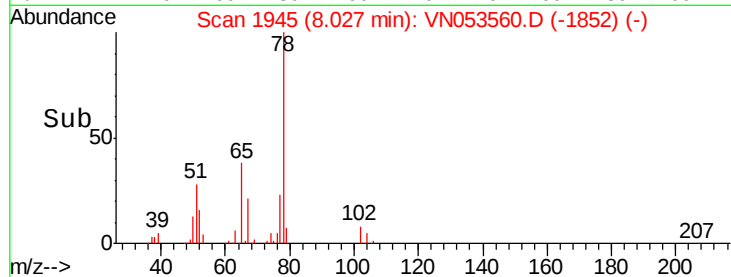
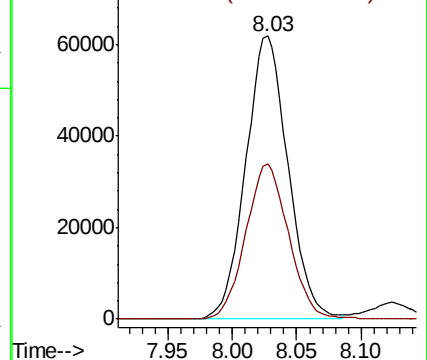
65 100

67 55.4 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053560.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053560.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

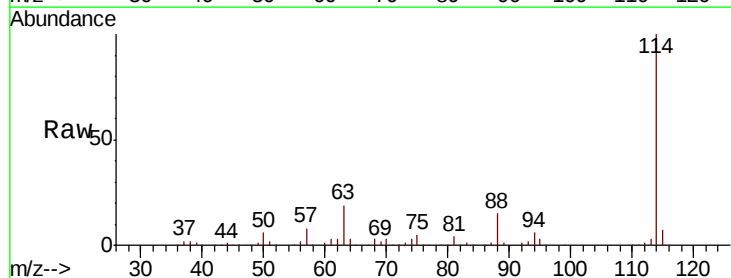
Tgt Ion: 114 Resp: 1086350

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

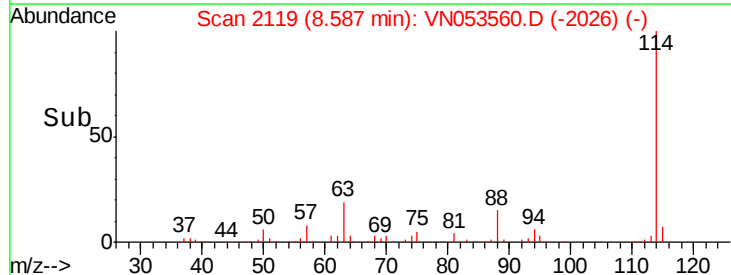
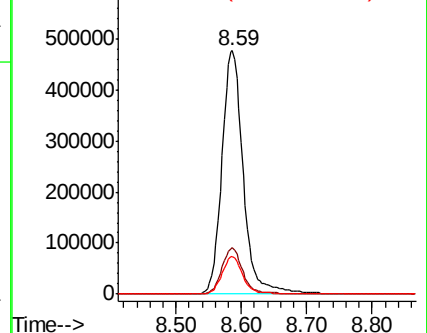
88 15.5 0.0 30.4

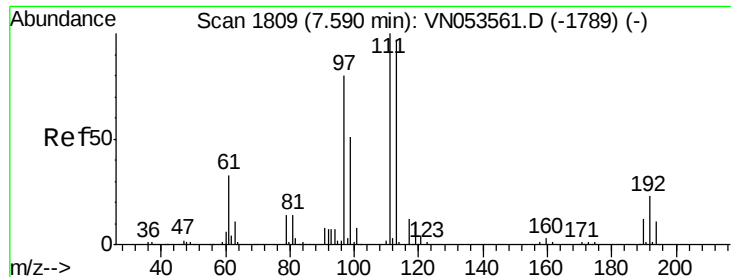


Abundance Ion 113.90 (113.60 to 114.60): VN053560.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053560.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053560.D (-2026) (-)

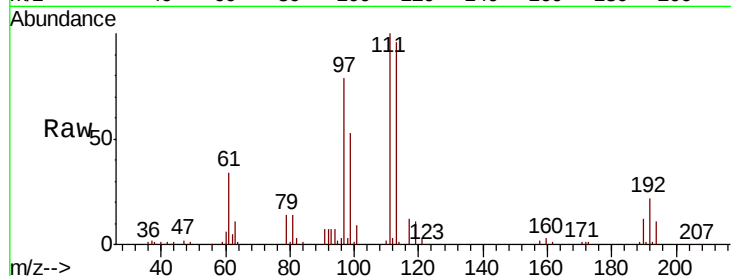




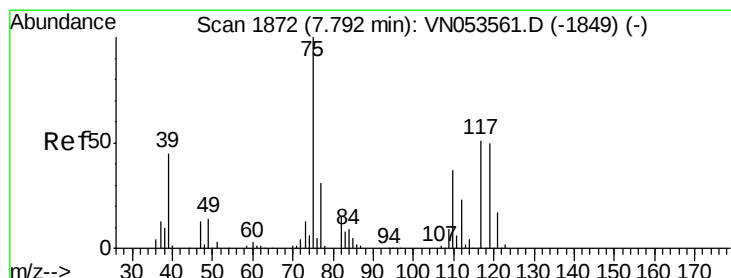
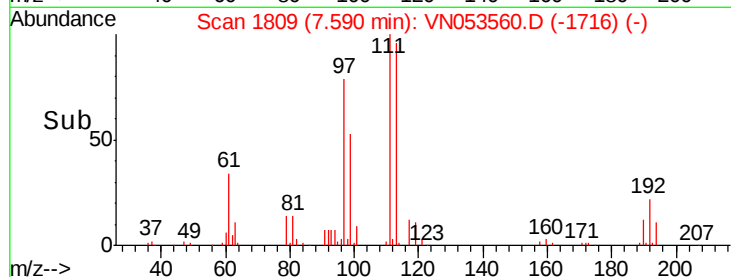
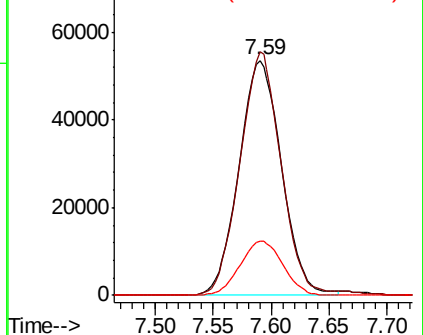
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Tot Ion:113 Resp: 136740  
 Ion Ratio Lower Upper  
 113 100  
 111 99.8 81.1 121.7  
 192 23.2 18.2 27.2

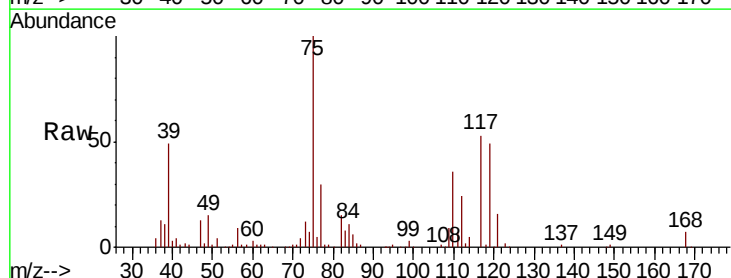


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

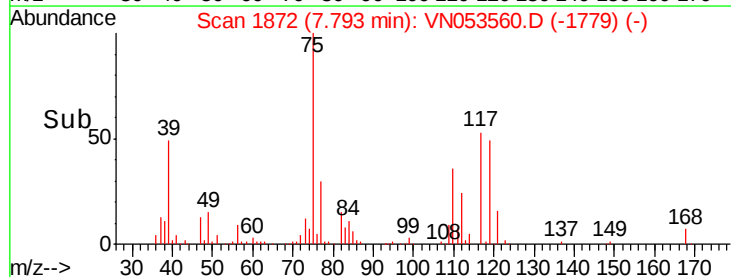
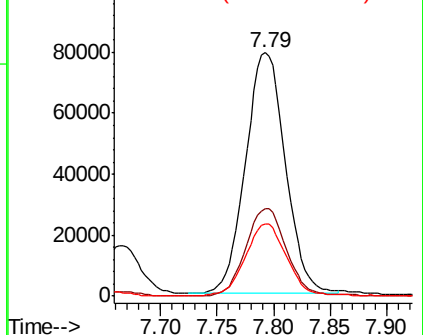


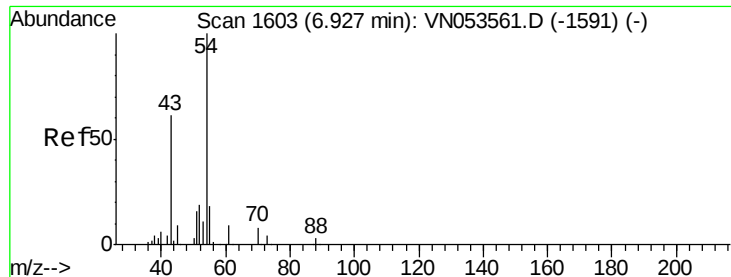
#36  
 1,1-Dichloropropene  
 Concen: 19.872 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

Tgt Ion: 75 Resp: 194600  
 Ion Ratio Lower Upper  
 75 100  
 110 37.1 18.1 54.3  
 77 31.2 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VNO  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VNO

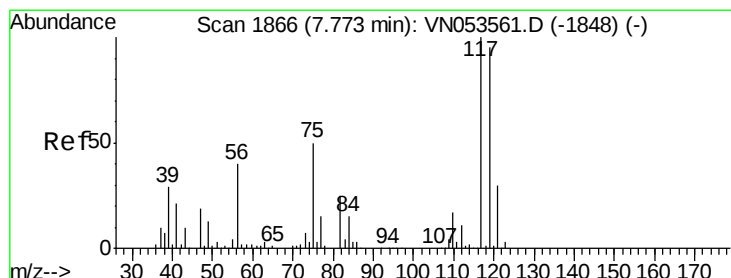
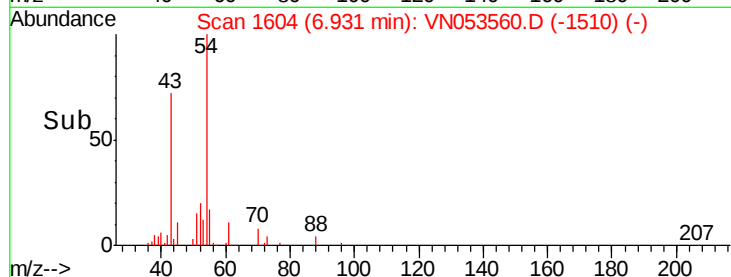
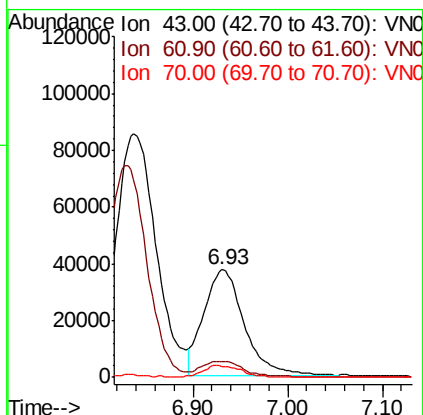
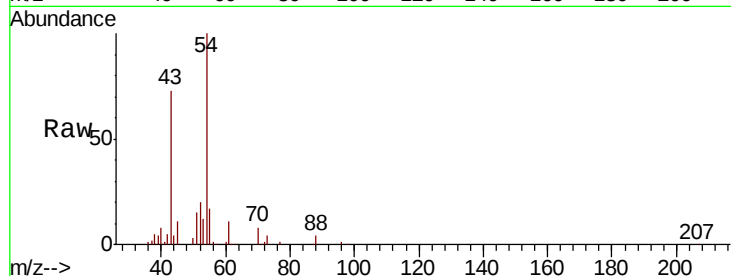




#37  
Ethyl Acetate  
Concen: 20.444 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

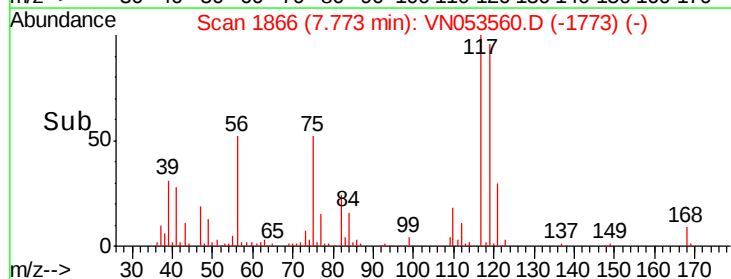
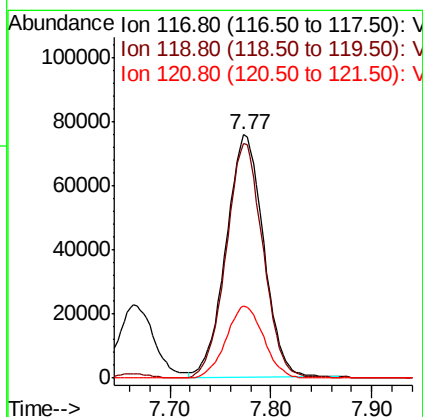
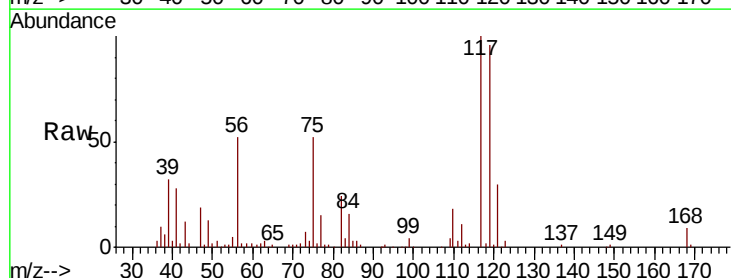
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

Tot Ion: 43 Resp: 111813  
Ion Ratio Lower Upper  
43 100  
61 14.9 11.8 17.6  
70 10.6 8.6 12.8



#38  
Carbon Tetrachloride  
Concen: 19.883 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion: 117 Resp: 196152  
Ion Ratio Lower Upper  
117 100  
119 96.5 77.2 115.8  
121 30.0 24.6 37.0

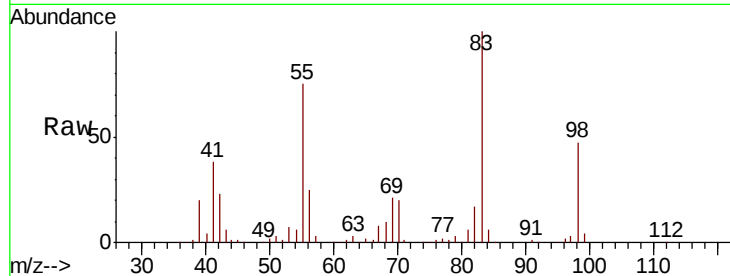




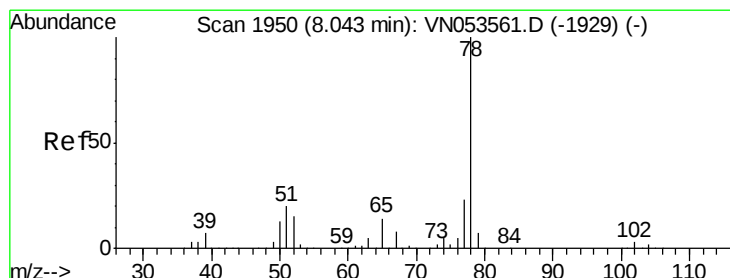
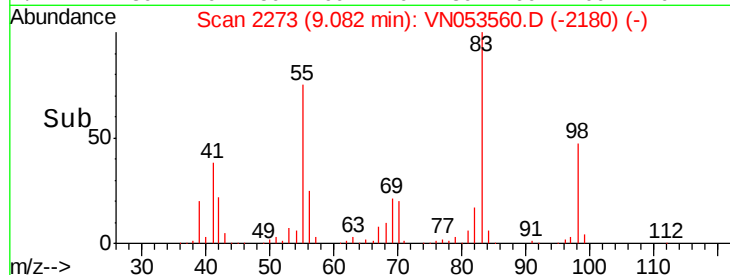
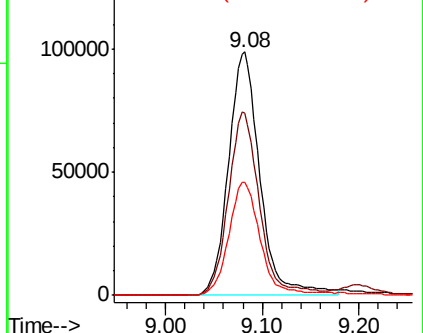
#39  
Methvlcvclohexane  
Concen: 19.249 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tot Ion: 83 Resp: 223636  
Ion Ratio Lower Upper  
83 100  
55 74.9 60.1 90.1  
98 46.7 36.6 55.0

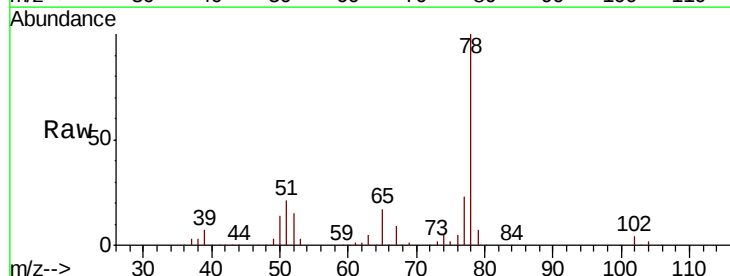


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

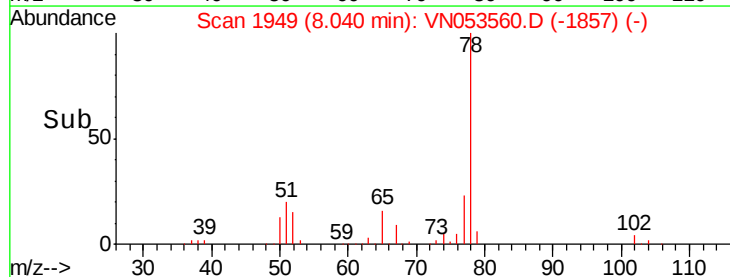
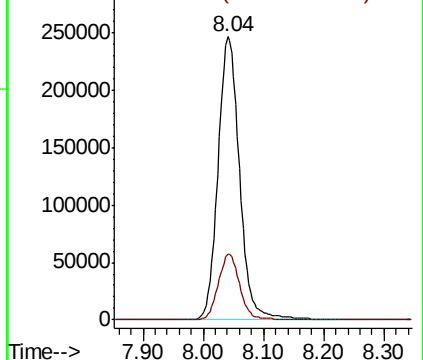


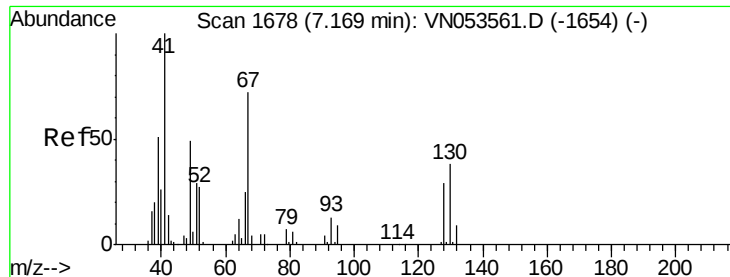
#40  
Benzene  
Concen: 20.070 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion: 78 Resp: 606081  
Ion Ratio Lower Upper  
78 100  
77 23.3 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0  
Ion 77.00 (76.70 to 77.70): VN0

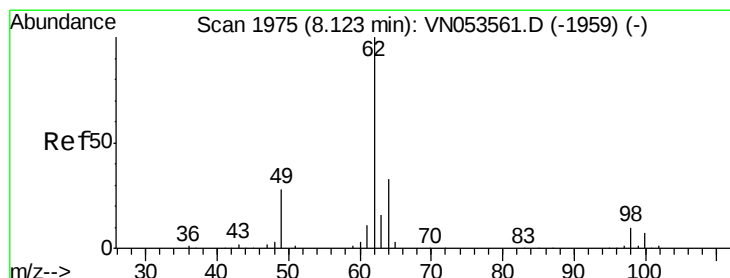
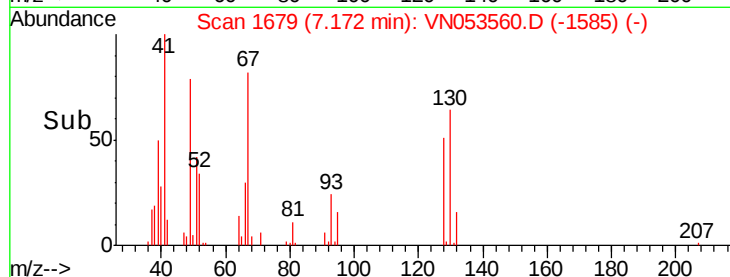
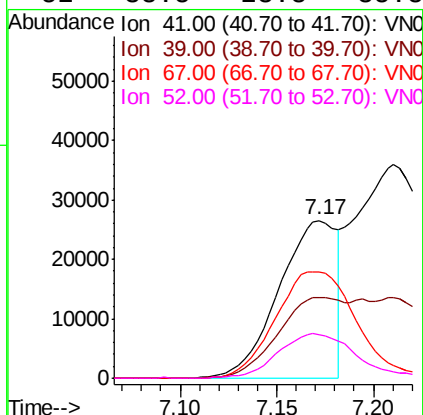
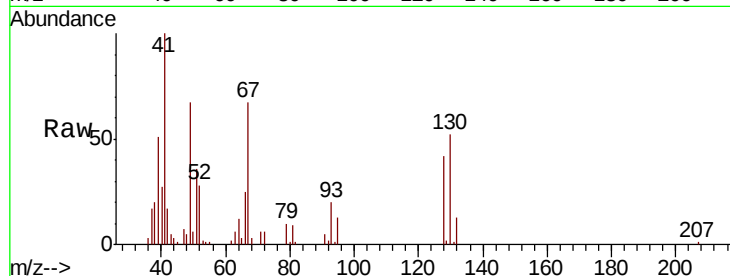




#41  
Methacrylonitrile  
Concen: 18.109 ug/l  
RT: 7.17 min Scan# 1679  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

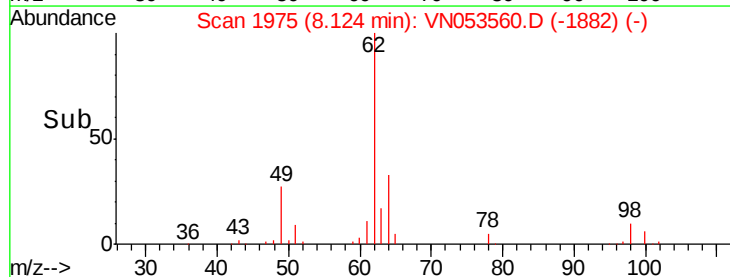
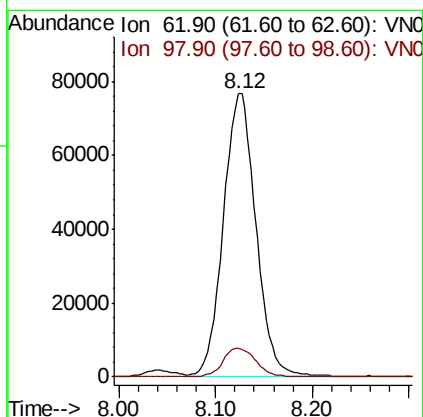
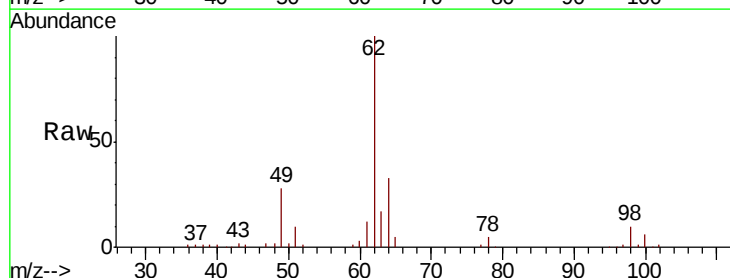
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

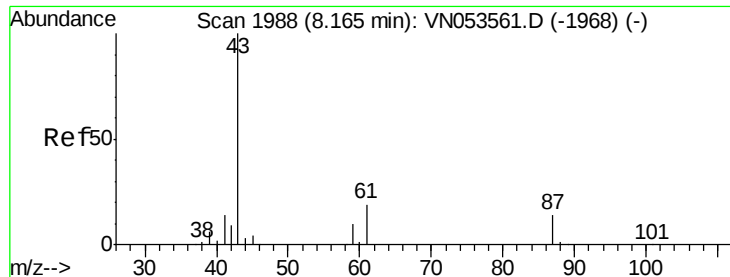
Tot Ion: 41 Resp: 55355  
Ion Ratio Lower Upper  
41 100  
39 61.3 46.8 70.2  
67 95.6 63.0 94.6#  
52 38.5 23.8 35.8#



#42  
1,2-Dichloroethane  
Concen: 19.927 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion: 62 Resp: 178673  
Ion Ratio Lower Upper  
62 100  
98 10.2 0.0 19.6





#43

Isopropyl Acetate

Concen: 19.225 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

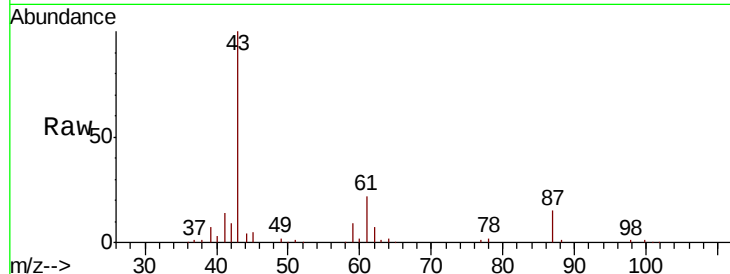
Tot Ion: 43 Resp: 203065

Ion Ratio Lower Upper

43 100

61 18.0 23.9 35.9#

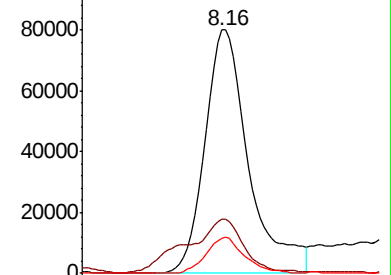
87 13.1 11.0 16.6



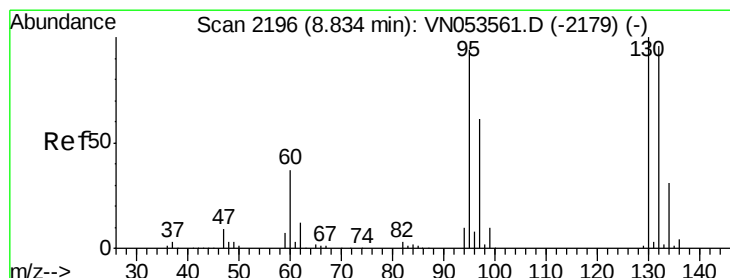
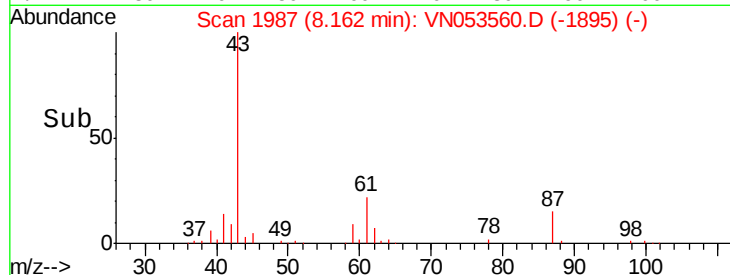
Abundance Ion 43.00 (42.70 to 43.70): VN053560.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN053560.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN053560.D (-1895) (-)



Time-->



#44

Trichloroethene

Concen: 19.817 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053560.D

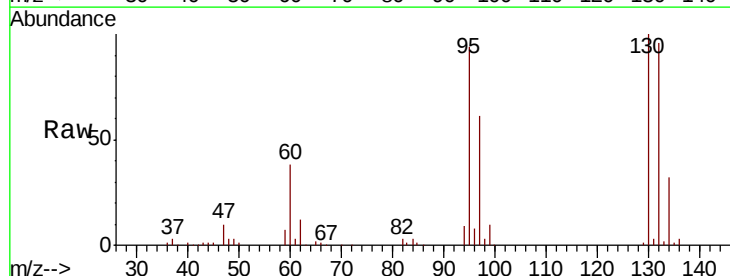
Acq: 30 Jan 2019 9:46

Tgt Ion: 130 Resp: 170372

Ion Ratio Lower Upper

130 100

95 93.6 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053560.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053560.D (-2103) (-)

Ion 129.80 (129.50 to 130.50): VN053560.D (-2103) (-)

Ion 130.80 (130.50 to 131.50): VN053560.D (-2103) (-)

Ion 131.80 (131.50 to 132.50): VN053560.D (-2103) (-)

Ion 132.80 (132.50 to 133.50): VN053560.D (-2103) (-)

Ion 133.80 (133.50 to 134.50): VN053560.D (-2103) (-)

Ion 134.80 (134.50 to 135.50): VN053560.D (-2103) (-)

Ion 135.80 (135.50 to 136.50): VN053560.D (-2103) (-)

Ion 136.80 (136.50 to 137.50): VN053560.D (-2103) (-)

Ion 137.80 (137.50 to 138.50): VN053560.D (-2103) (-)

Ion 138.80 (138.50 to 139.50): VN053560.D (-2103) (-)

Ion 139.80 (139.50 to 140.50): VN053560.D (-2103) (-)

Ion 140.80 (140.50 to 141.50): VN053560.D (-2103) (-)

Ion 141.80 (141.50 to 142.50): VN053560.D (-2103) (-)

Ion 142.80 (142.50 to 143.50): VN053560.D (-2103) (-)

Ion 143.80 (143.50 to 144.50): VN053560.D (-2103) (-)

Ion 144.80 (144.50 to 145.50): VN053560.D (-2103) (-)

Ion 145.80 (145.50 to 146.50): VN053560.D (-2103) (-)

Ion 146.80 (146.50 to 147.50): VN053560.D (-2103) (-)

Ion 147.80 (147.50 to 148.50): VN053560.D (-2103) (-)

Ion 148.80 (148.50 to 149.50): VN053560.D (-2103) (-)

Ion 149.80 (149.50 to 150.50): VN053560.D (-2103) (-)

Ion 150.80 (150.50 to 151.50): VN053560.D (-2103) (-)

Ion 151.80 (151.50 to 152.50): VN053560.D (-2103) (-)

Ion 152.80 (152.50 to 153.50): VN053560.D (-2103) (-)

Ion 153.80 (153.50 to 154.50): VN053560.D (-2103) (-)

Ion 154.80 (154.50 to 155.50): VN053560.D (-2103) (-)

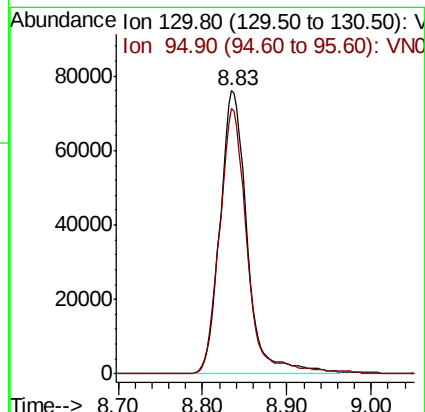
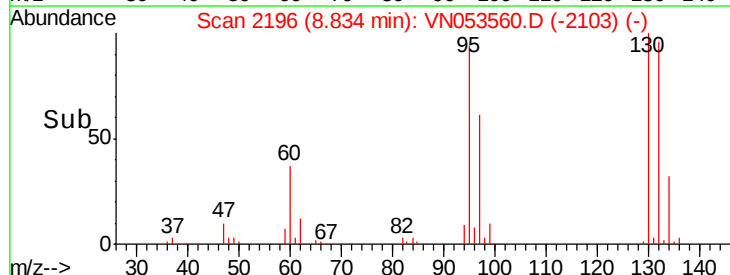
Ion 155.80 (155.50 to 156.50): VN053560.D (-2103) (-)

Ion 156.80 (156.50 to 157.50): VN053560.D (-2103) (-)

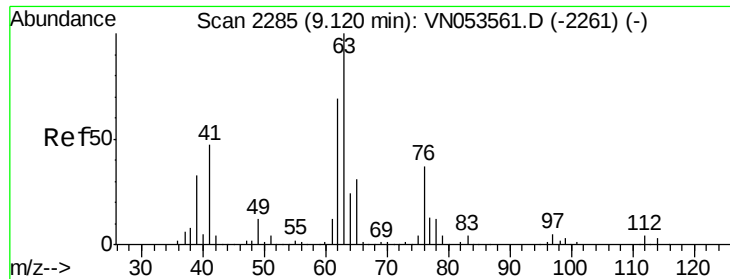
Ion 157.80 (157.50 to 158.50): VN053560.D (-2103) (-)

Ion 158.80 (158.50 to 159.50): VN053560.D (-2103) (-)

Ion 159.80 (159.50 to 160.50): VN053560.D (-2103) (-)



Time-->



#45

1,2-Dichloropropane

Concen: 20.108 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

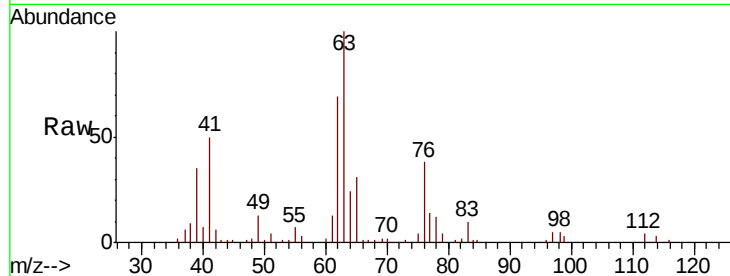
VSTDIC020

Tot Ion: 63 Resp: 155315

Ion Ratio Lower Upper

63 100

65 30.7 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN053560.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN053560.D (-2192) (-)

9.12

80000

60000

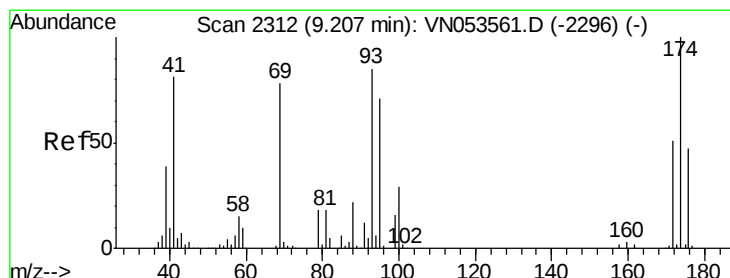
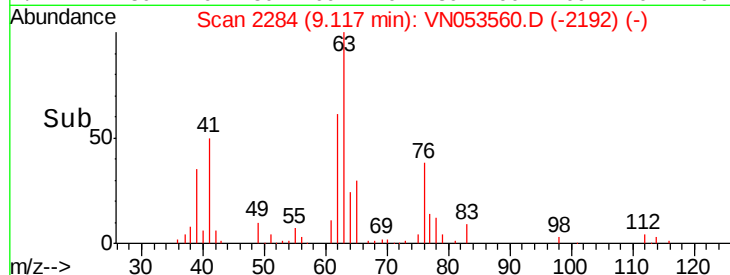
40000

20000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 19.402 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

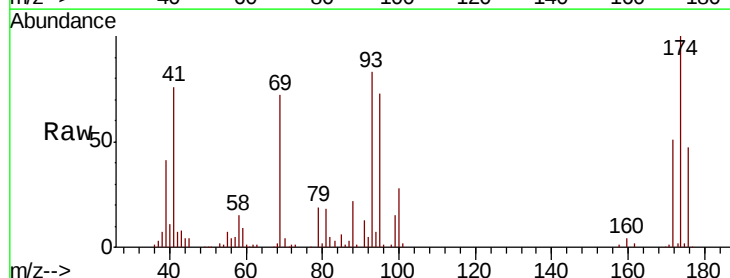
Tgt Ion: 93 Resp: 90340

Ion Ratio Lower Upper

93 100

95 86.8 67.3 100.9

174 119.7 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN053560.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN053560.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN053560.D (-2219) (-)

9.21

60000

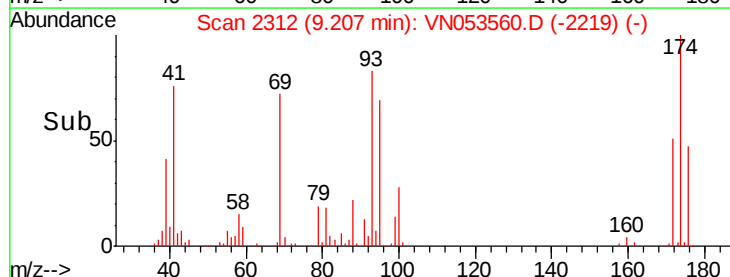
40000

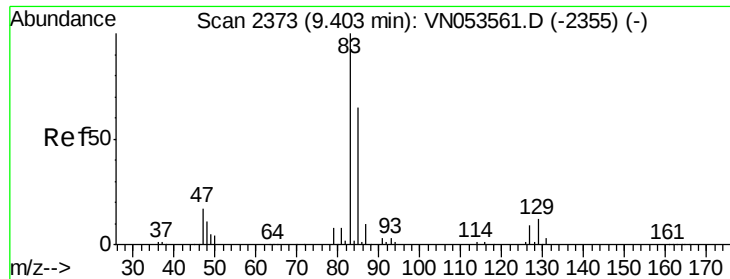
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 19.801 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

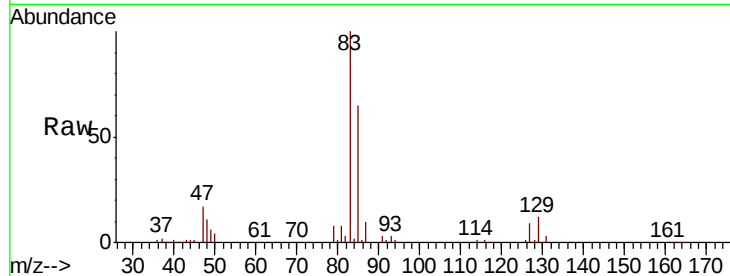
Tot Ion: 83 Resp: 191695

Ion Ratio Lower Upper

83 100

85 65.4 51.0 76.6

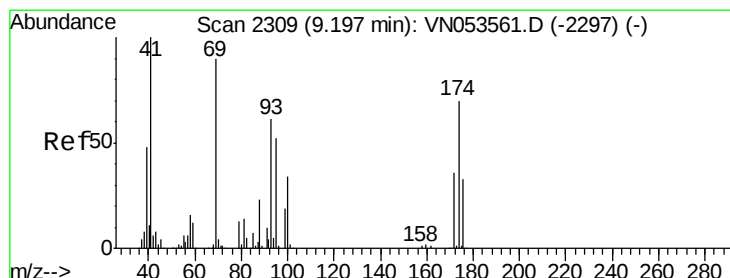
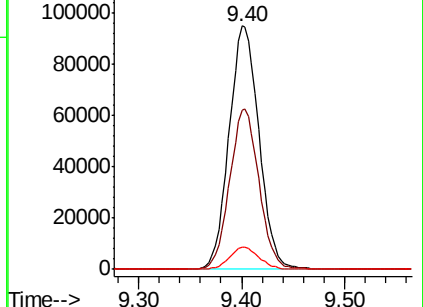
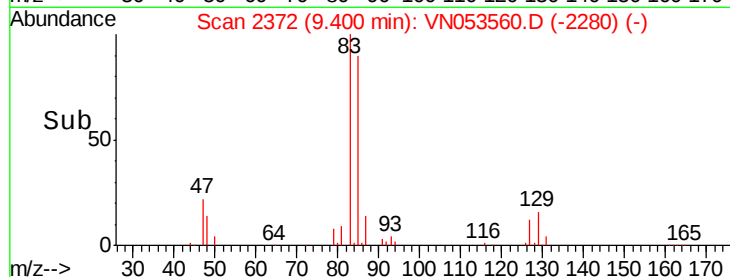
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053560.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN053560.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN053560.D (-2355) (-)



#48

Methyl methacrylate

Concen: 18.096 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

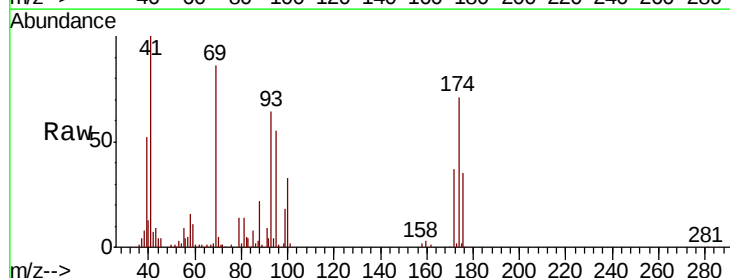
Tgt Ion: 41 Resp: 91240

Ion Ratio Lower Upper

41 100

69 100.2 73.8 110.6

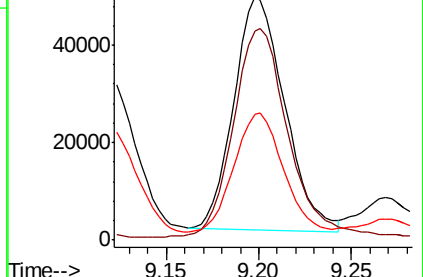
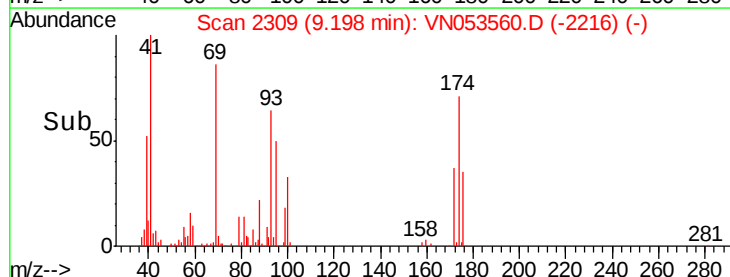
39 57.4 40.0 60.0

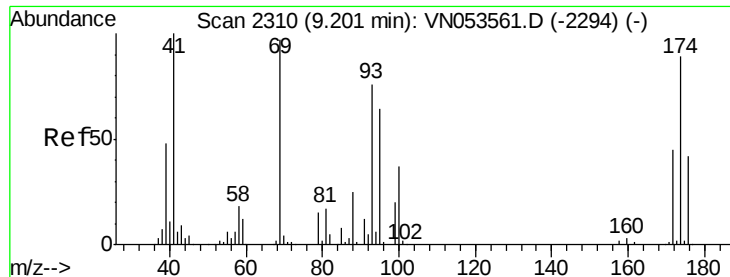


Abundance Ion 41.00 (40.70 to 41.70): VN053560.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053560.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053560.D (-2216) (-)





#49

1,4-Dioxane

Concen: 398.078 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

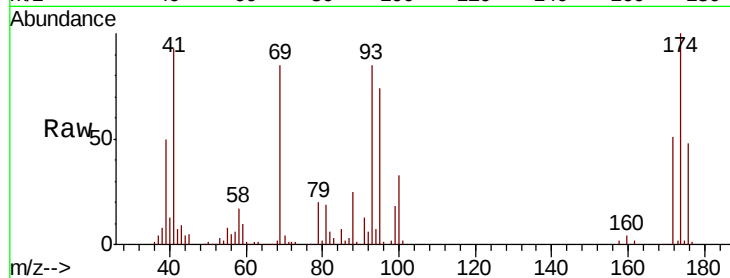
Tot Ion: 88 Resp: 27293

Ion Ratio Lower Upper

88 100

43 28.8 27.8 41.6

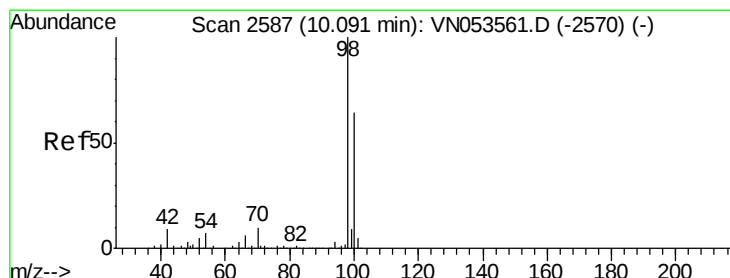
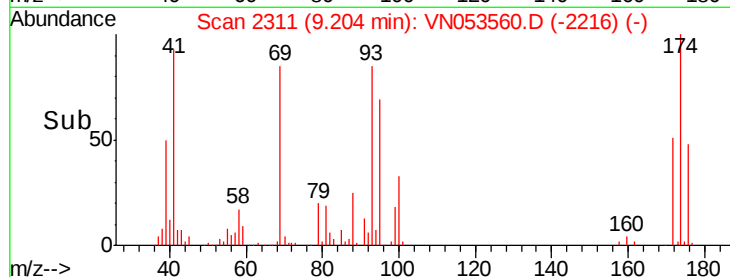
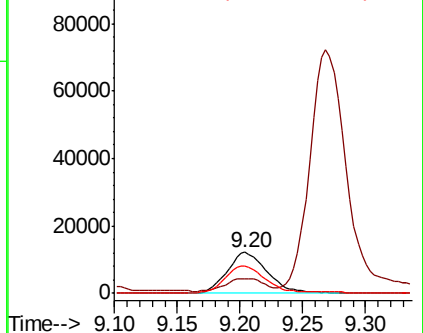
58 67.3 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053560.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN053560.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053560.D (-2216) (-)



#50

Toluene-d8

Concen: 398.078 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053560.D

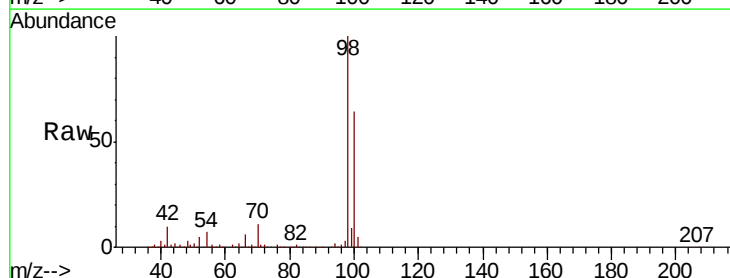
Acq: 30 Jan 2019 9:46

Tgt Ion: 98 Resp: 501047

Ion Ratio Lower Upper

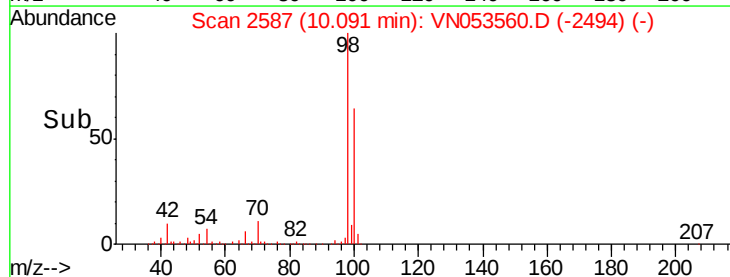
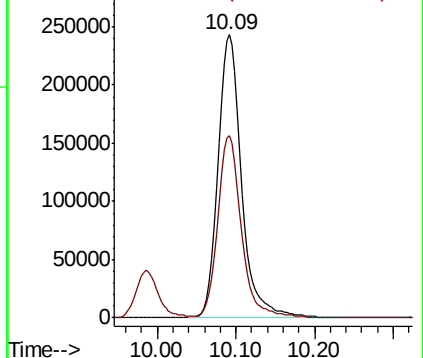
98 100

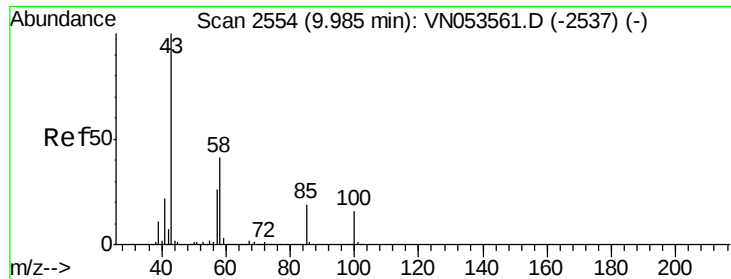
100 65.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053560.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053560.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 100.489 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

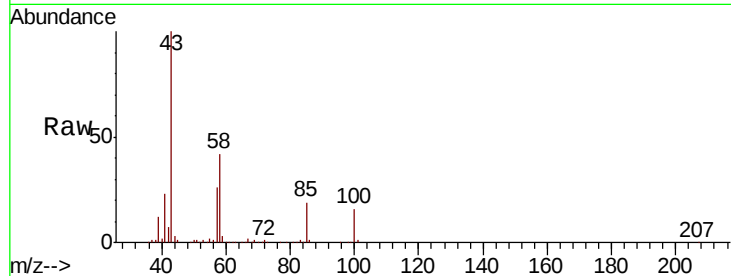
VSTDIC020

Tot Ion: 43 Resp: 521578

Ion Ratio Lower Upper

43 100

58 40.1 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2537) (-)

9.99

250000

200000

150000

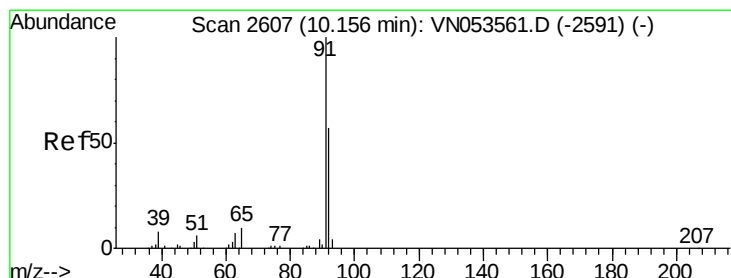
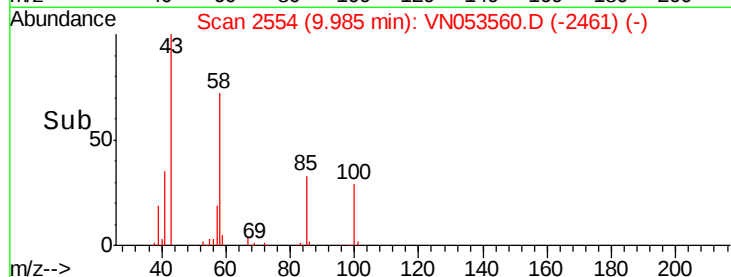
100000

50000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 20.180 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053560.D

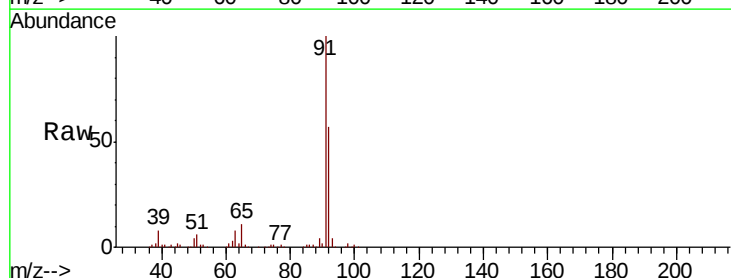
Acq: 30 Jan 2019 9:46

Tgt Ion: 92 Resp: 361677

Ion Ratio Lower Upper

92 100

91 175.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN053561.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN053561.D (-2591) (-)

10.16

300000

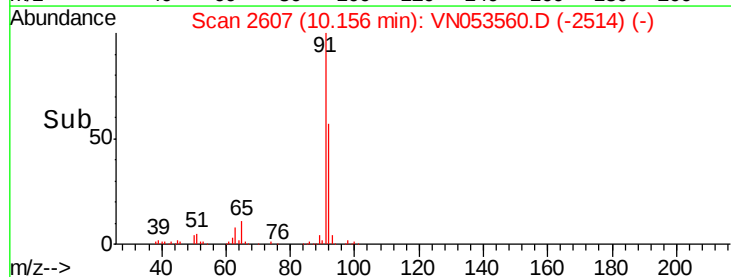
200000

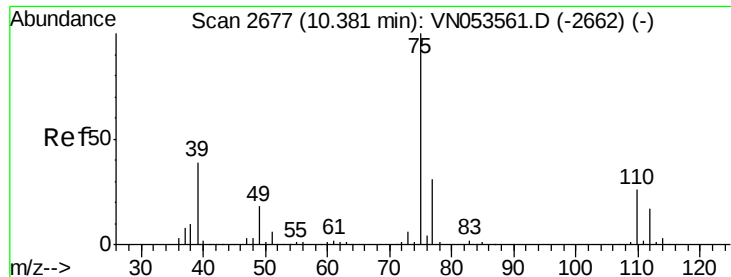
100000

0

10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.276 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

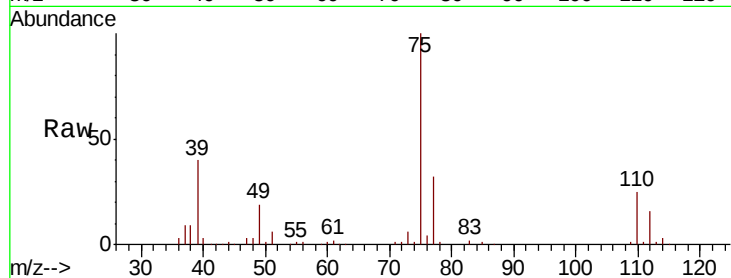
VSTDIC020

Tot Ion: 75 Resp: 186860

Ion Ratio Lower Upper

75 100

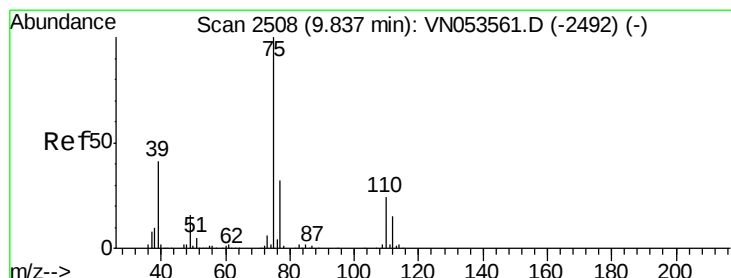
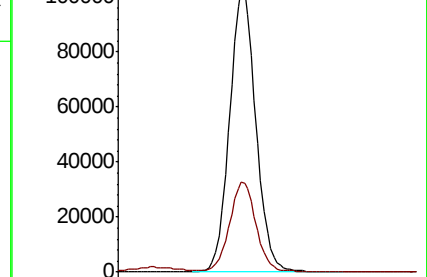
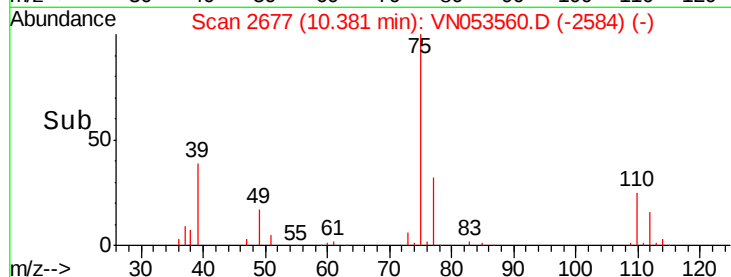
77 31.5 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN053560.D (-2584) (-)

Ion 76.90 (76.60 to 77.60): VN053560.D (-2584) (-)

10.38



#54

cis-1,3-Dichloropropene

Concen: 19.618 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

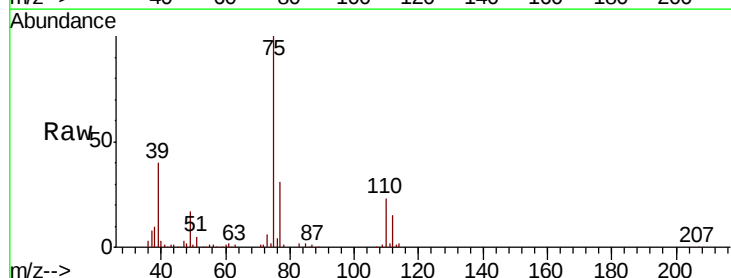
Tgt Ion: 75 Resp: 225360

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

39 40.2 33.4 50.0

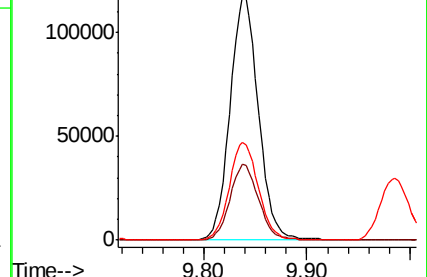
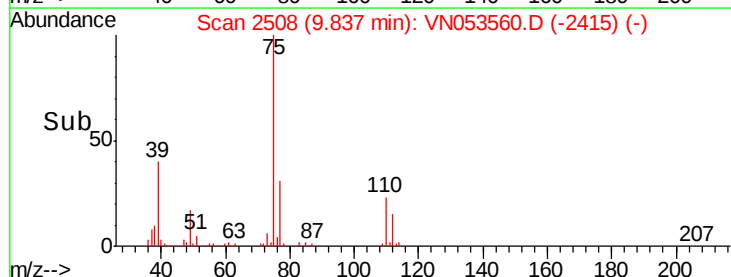


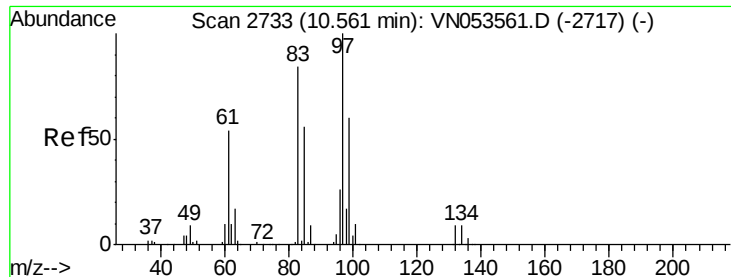
Abundance Ion 74.90 (74.60 to 75.60): VN053560.D (-2415) (-)

Ion 76.90 (76.60 to 77.60): VN053560.D (-2415) (-)

Ion 39.00 (38.70 to 39.70): VN053560.D (-2415) (-)

9.84

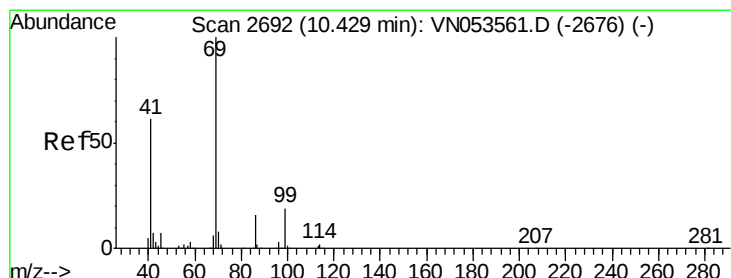
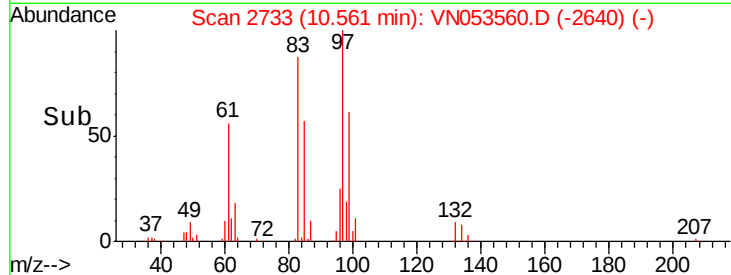
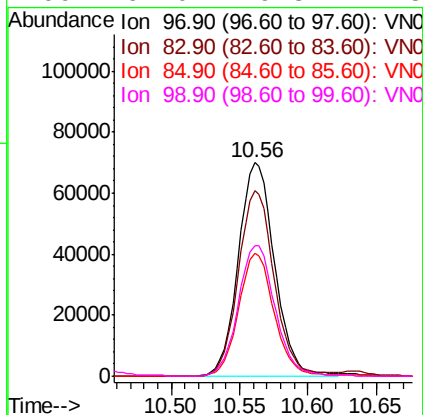
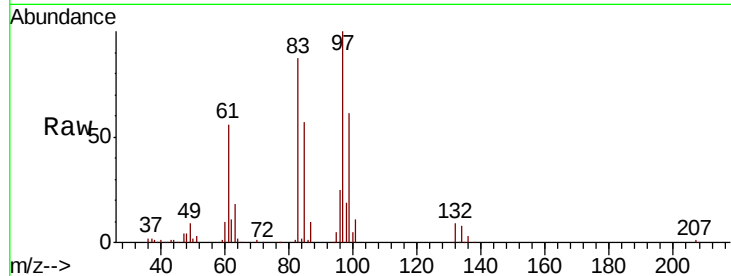




#55  
 1,1,2-Trichloroethane  
 Concen: 19.972 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

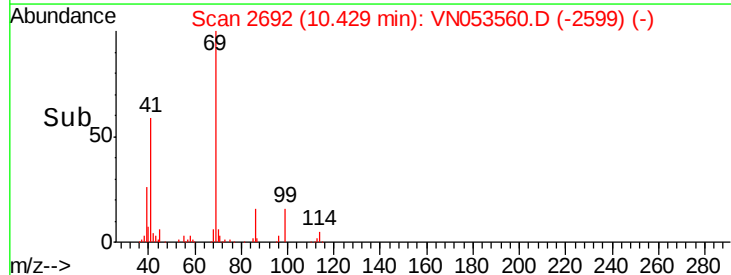
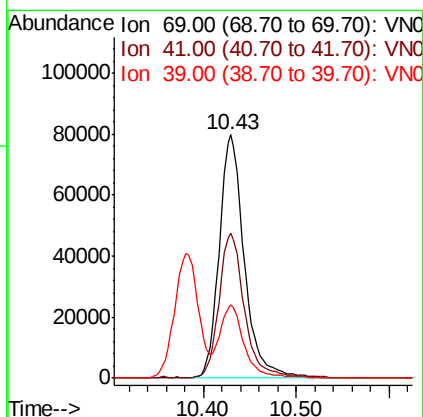
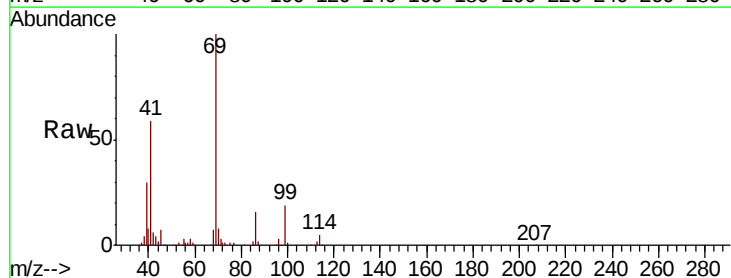
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

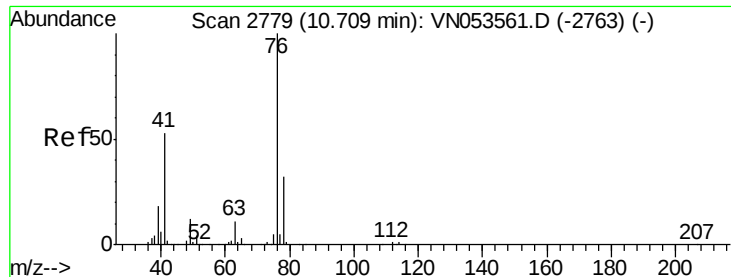
Tot Ion: 97 Resp: 128986  
 Ion Ratio Lower Upper  
 97 100  
 83 86.9 70.1 105.1  
 85 57.5 45.4 68.0  
 99 61.0 49.8 74.8



#56  
 Ethyl methacrylate  
 Concen: 19.572 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

Tgt Ion: 69 Resp: 149530  
 Ion Ratio Lower Upper  
 69 100  
 41 59.4 49.4 74.0  
 39 29.6 23.3 34.9





#57

1,3-Dichloropropane

Concen: 19.788 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampled :

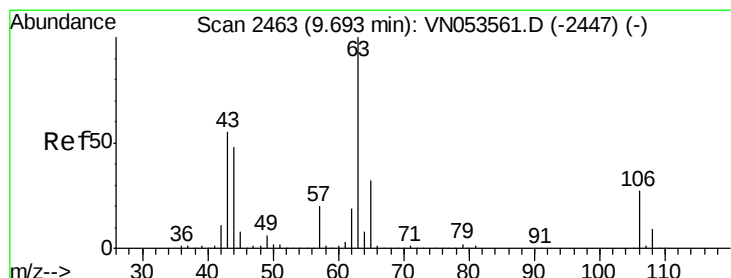
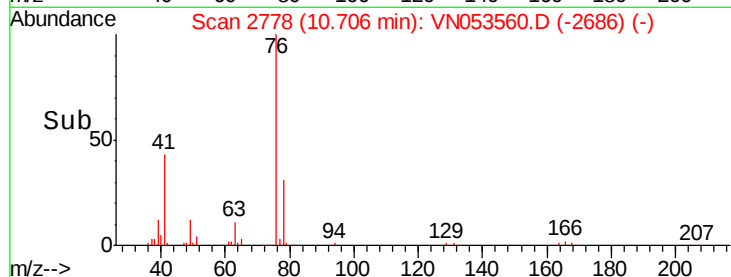
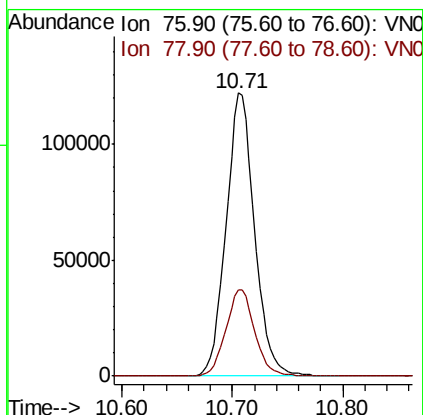
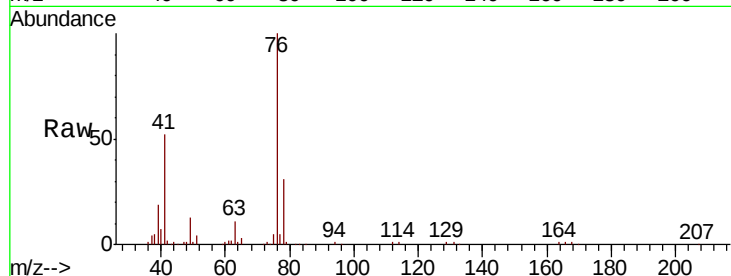
VSTDIC020

Tot Ion: 76 Resp: 218414

Ion Ratio Lower Upper

76 100

78 31.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 95.322 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053560.D

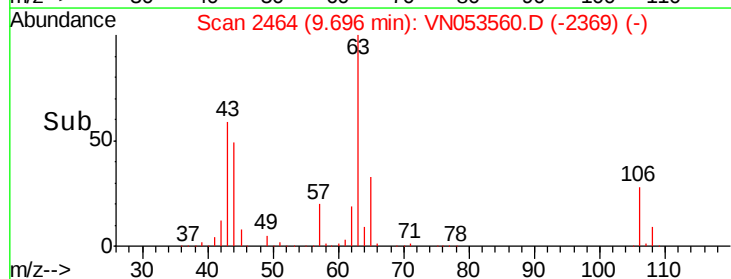
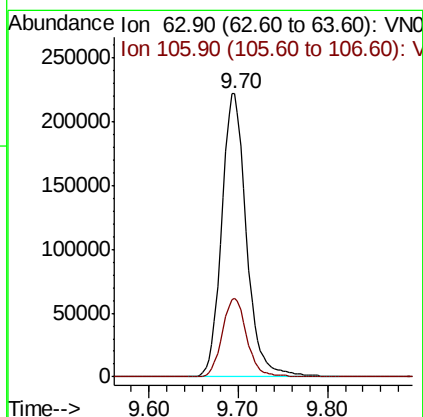
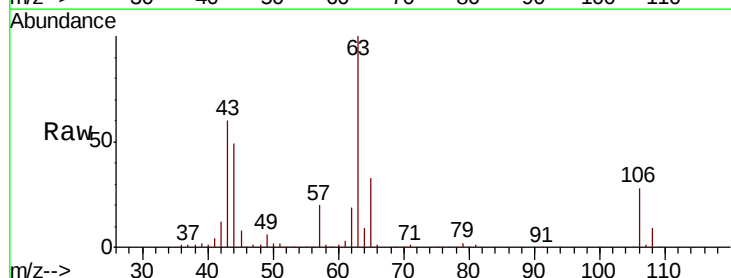
Acq: 30 Jan 2019 9:46

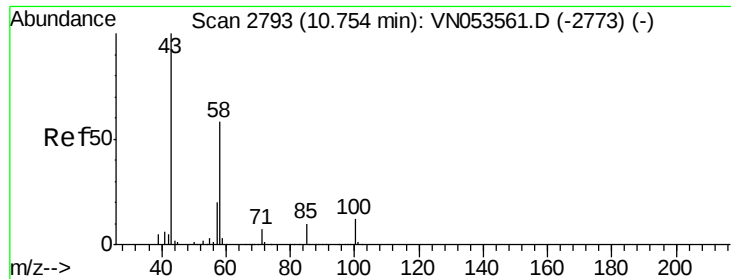
Tgt Ion: 63 Resp: 427401

Ion Ratio Lower Upper

63 100

106 27.6 21.5 32.3

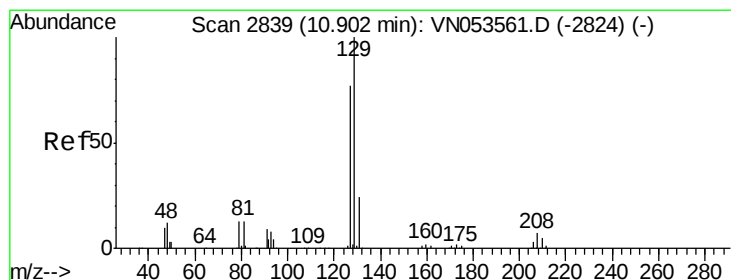
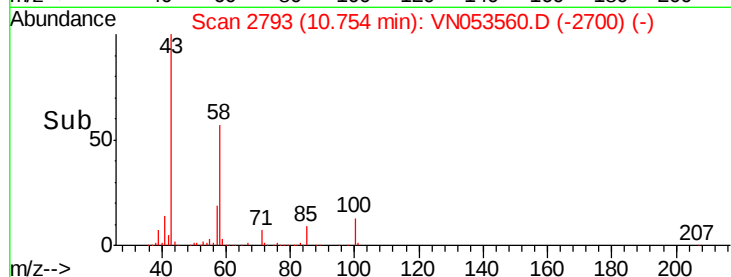
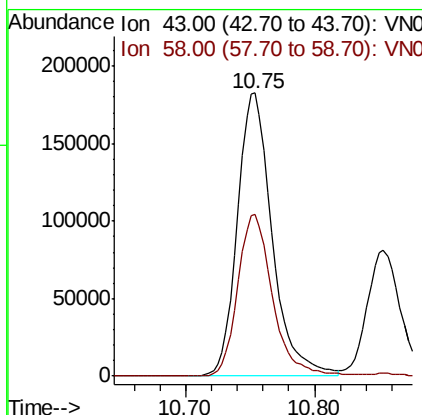
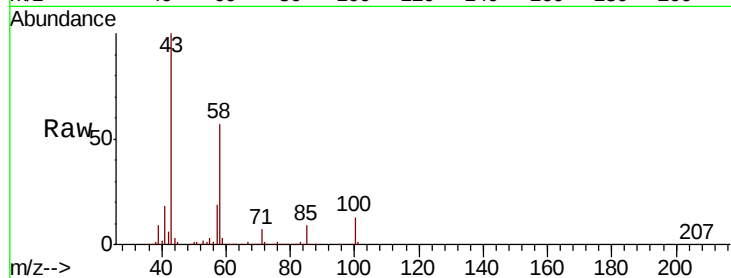




#59  
2-Hexanone  
Concen: 97.071 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

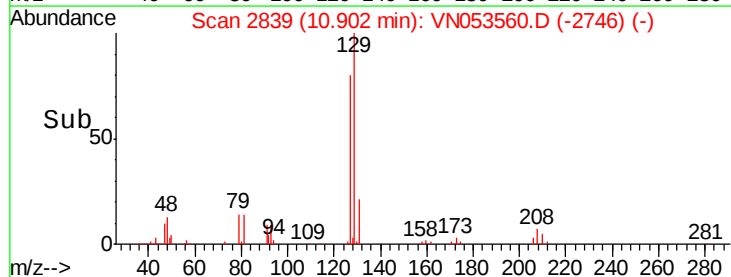
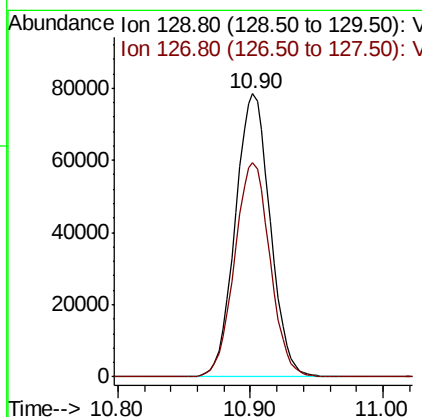
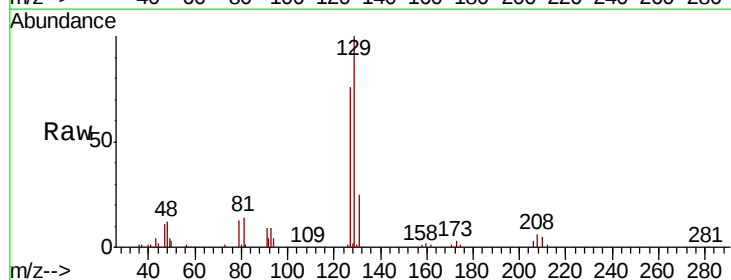
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

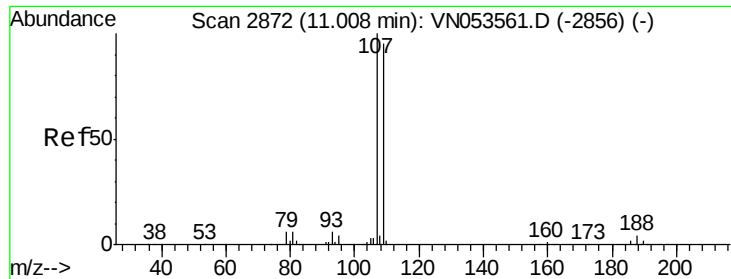
Tot Ion: 43 Resp: 342040  
Ion Ratio Lower Upper  
43 100  
58 57.3 28.6 85.8



#60  
Dibromochloromethane  
Concen: 19.659 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion: 129 Resp: 143174  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.443 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

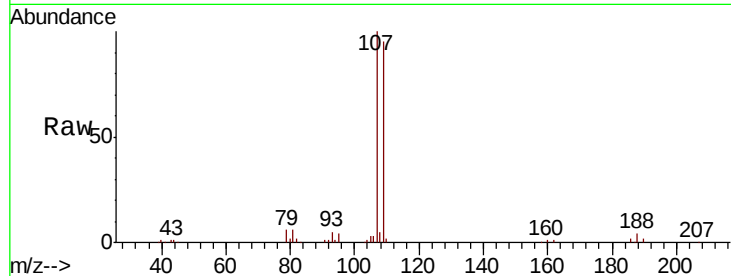
VSTDIC020

Tot Ion: 107 Resp: 124282

Ion Ratio Lower Upper

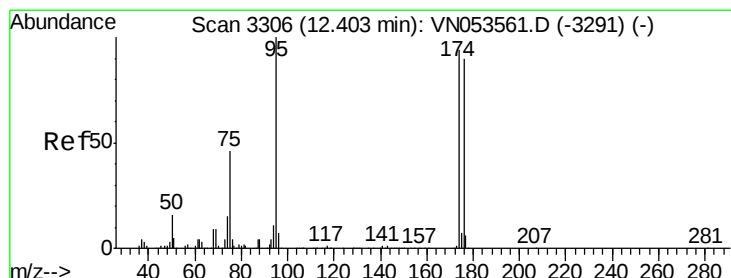
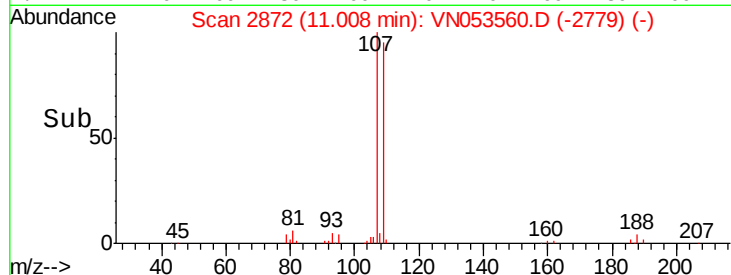
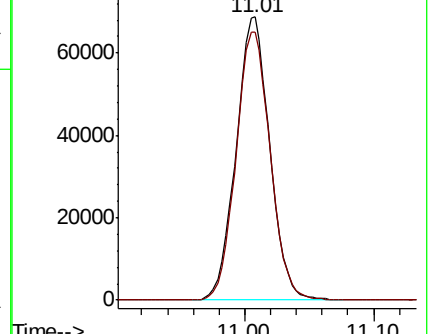
107 100

109 96.4 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.443 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

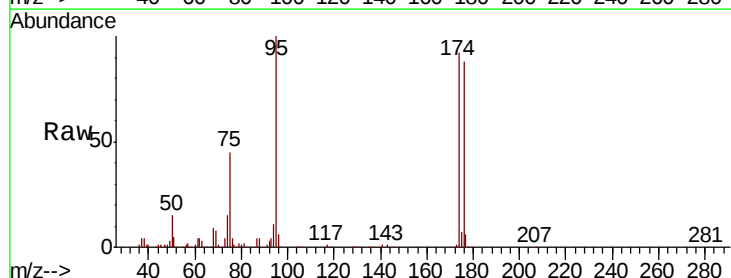
Tgt Ion: 95 Resp: 164943

Ion Ratio Lower Upper

95 100

174 94.5 0.0 183.2

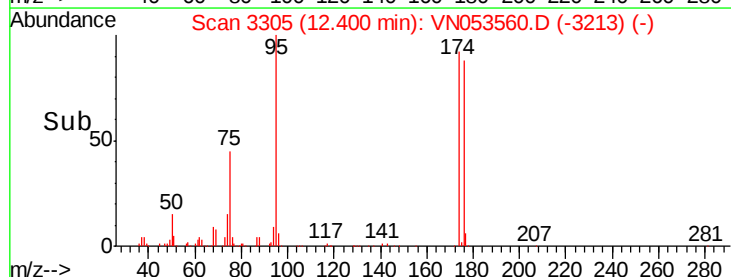
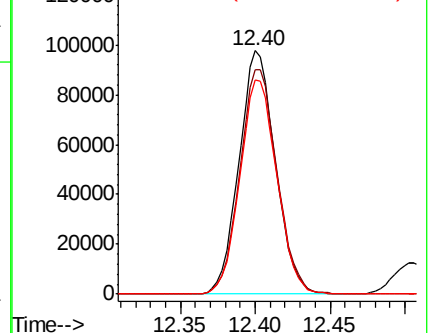
176 89.7 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

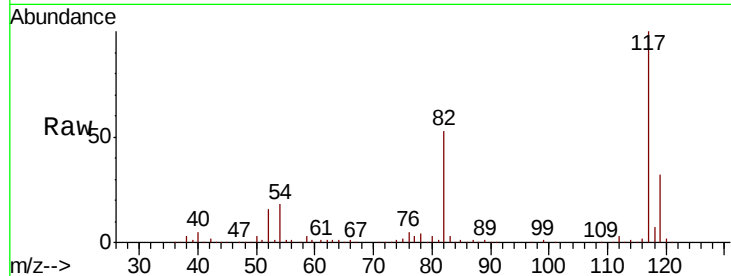




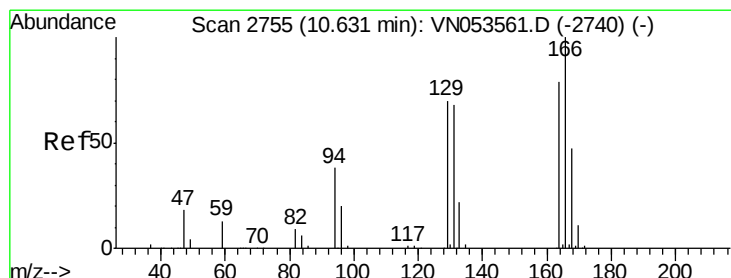
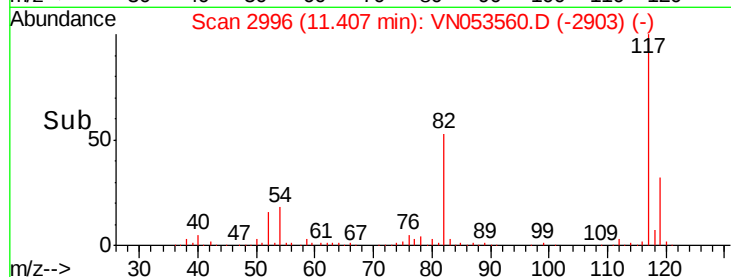
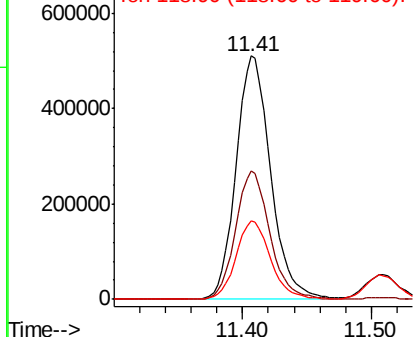
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tot Ion:117 Resp: 951722  
Ion Ratio Lower Upper  
117 100  
82 52.6 42.9 64.3  
119 32.1 26.0 39.0

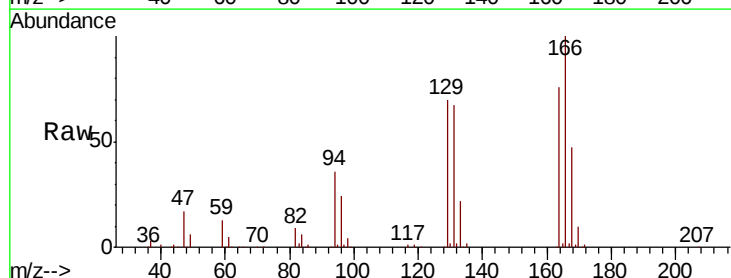


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

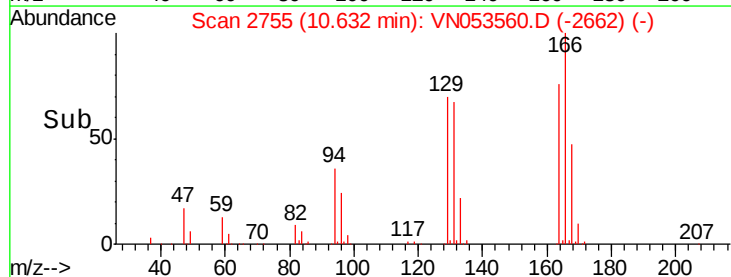
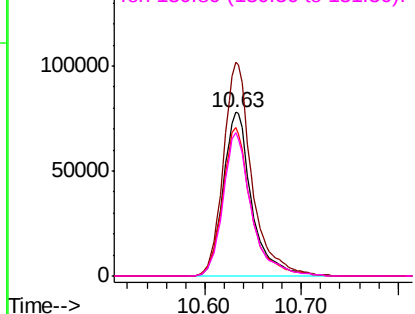


#64  
Tetrachloroethene  
Concen: 19.579 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion:164 Resp: 159732  
Ion Ratio Lower Upper  
164 100  
166 130.8 102.2 153.4  
129 91.0 72.6 109.0  
131 87.6 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

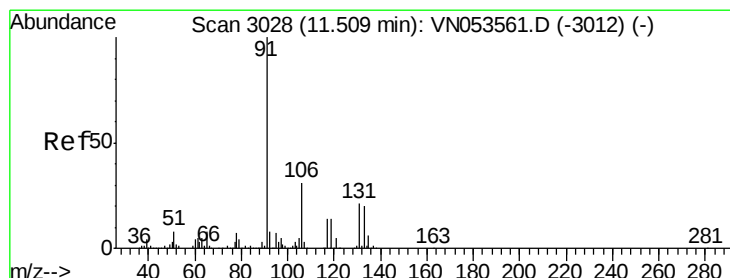
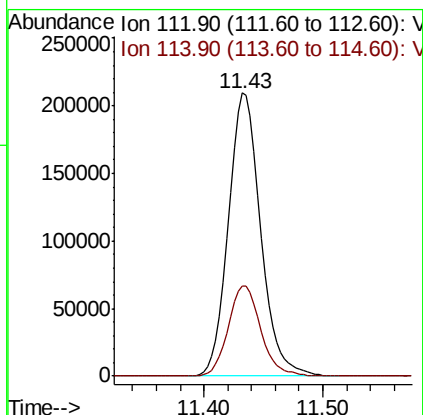
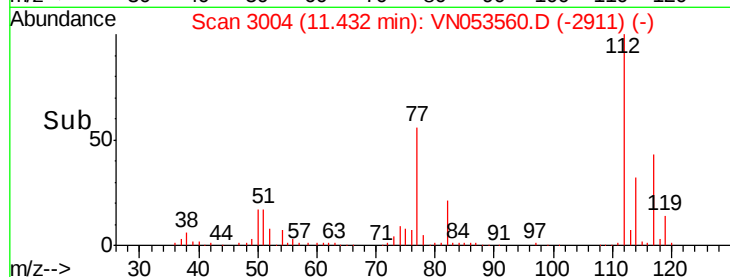
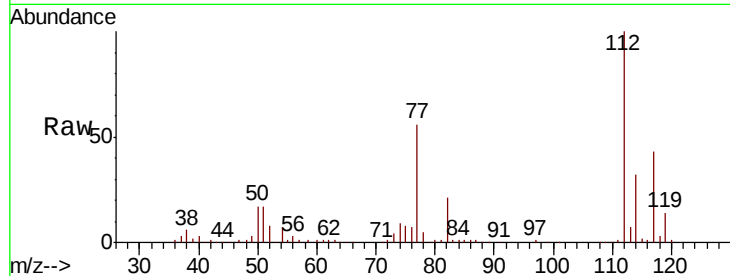




#65  
Chlorobenzene  
Concen: 19.461 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

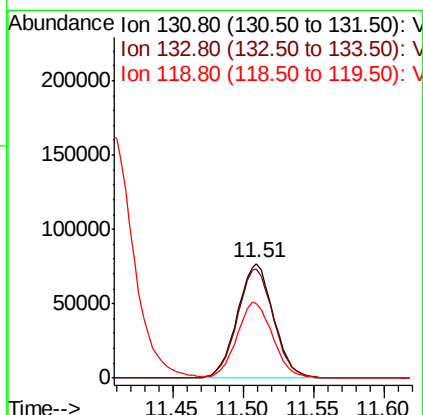
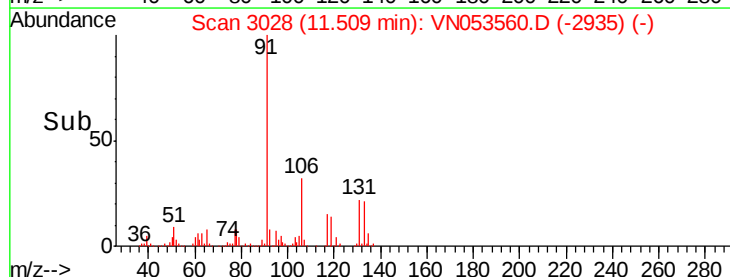
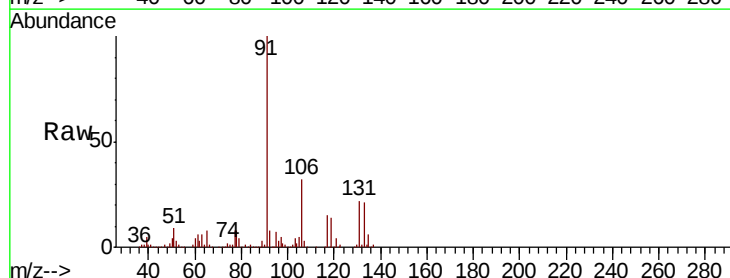
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

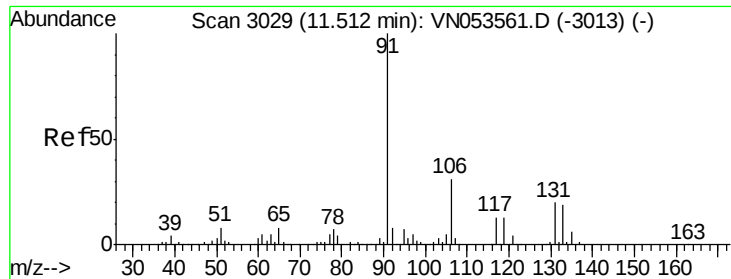
Tot Ion:112 Resp: 393417  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.494 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion:131 Resp: 137631  
Ion Ratio Lower Upper  
131 100  
133 96.1 48.0 144.0  
119 65.7 33.5 100.5

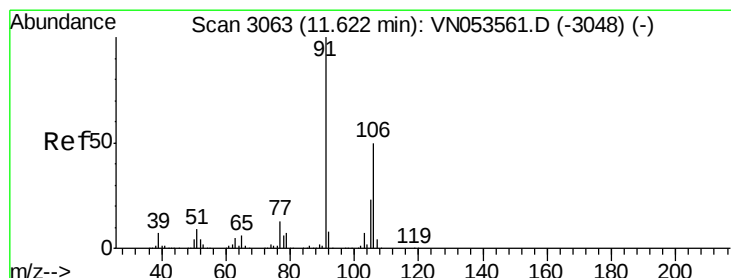
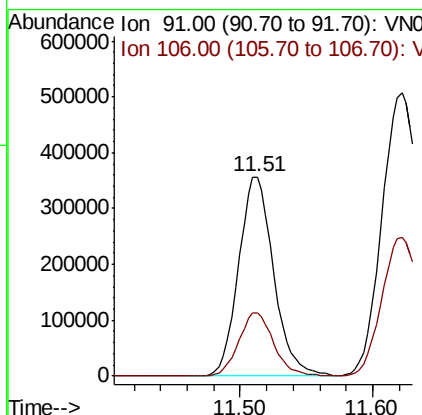
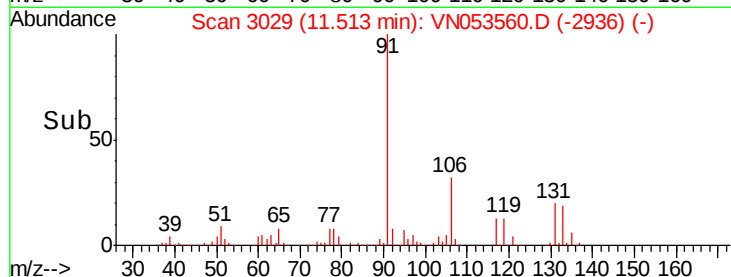
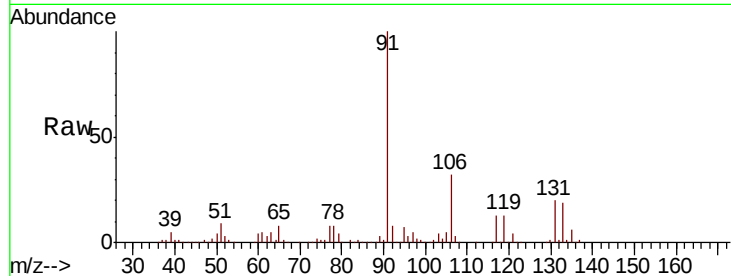




#67  
Ethyl Benzene  
Concen: 19.734 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

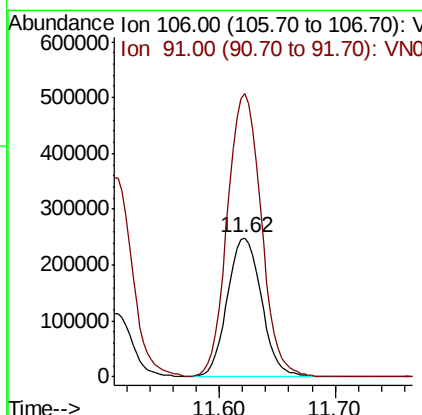
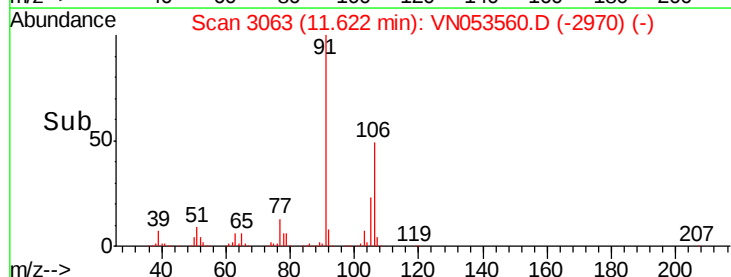
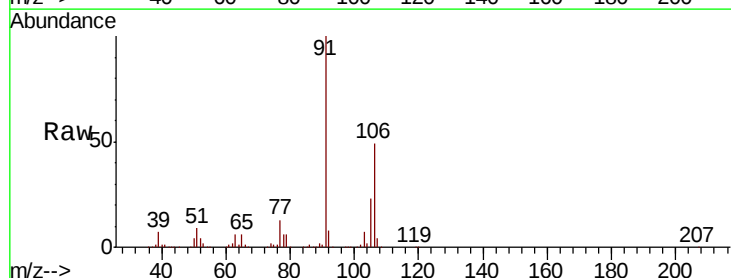
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

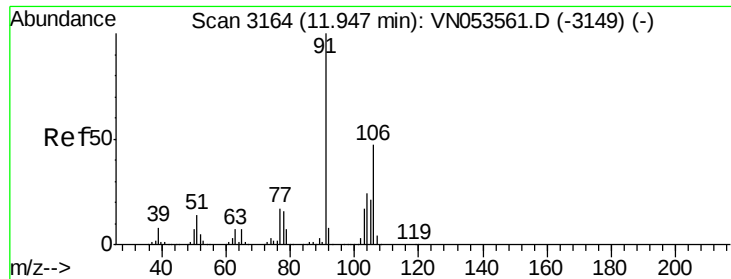
Tot Ion: 91 Resp: 655343  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.0 37.6



#68  
m/p-Xylenes  
Concen: 40.215 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion: 106 Resp: 509691  
Ion Ratio Lower Upper  
106 100  
91 202.2 161.4 242.2

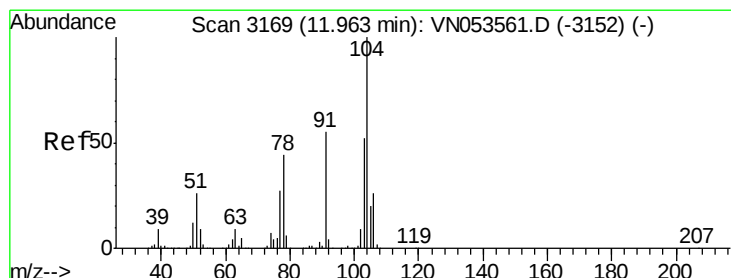
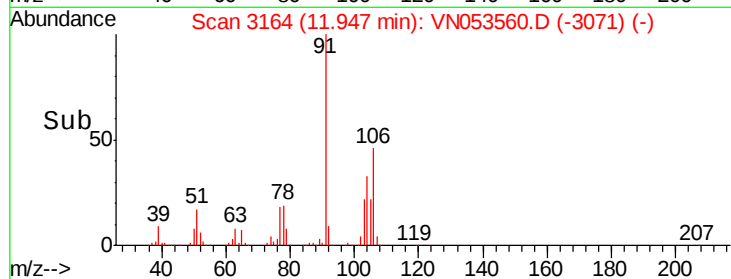
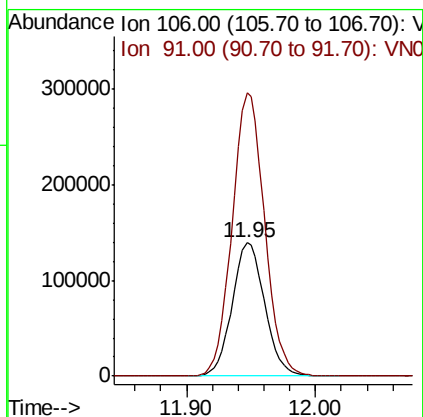
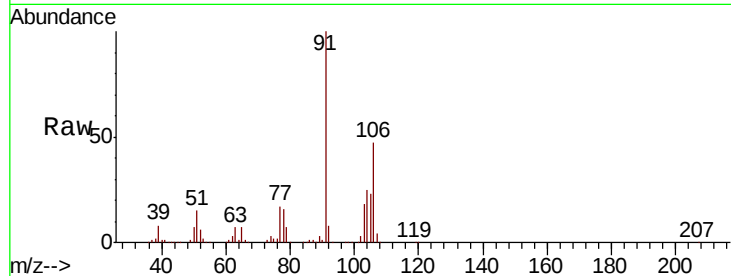




#69  
o-Xylene  
Concen: 19.931 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

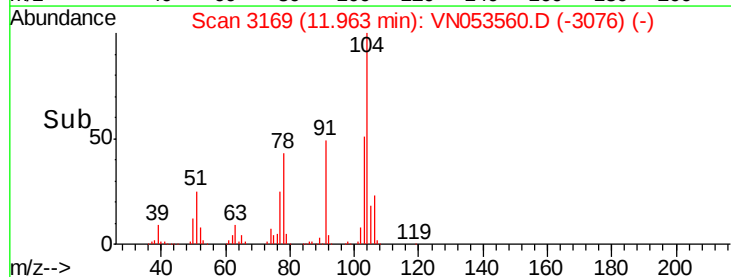
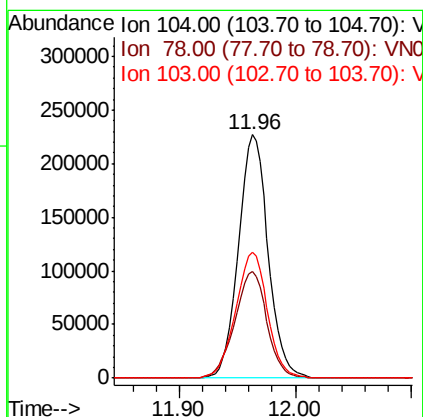
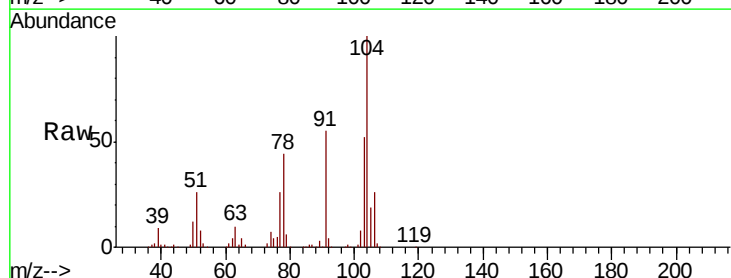
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

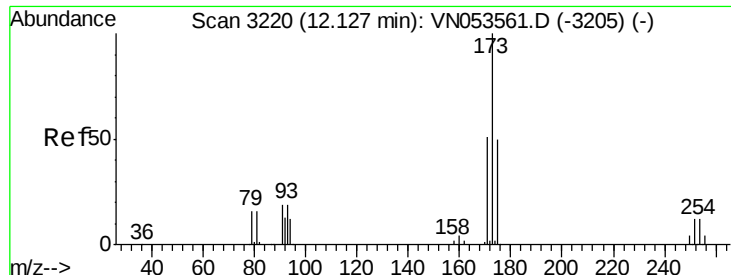
Tot Ion:106 Resp: 244044  
Ion Ratio Lower Upper  
106 100  
91 211.7 106.9 320.8



#70  
Styrene  
Concen: 20.237 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion:104 Resp: 401621  
Ion Ratio Lower Upper  
104 100  
78 47.5 38.2 57.2  
103 55.5 44.4 66.6





#71

Bromoform

Concen: 19.690 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

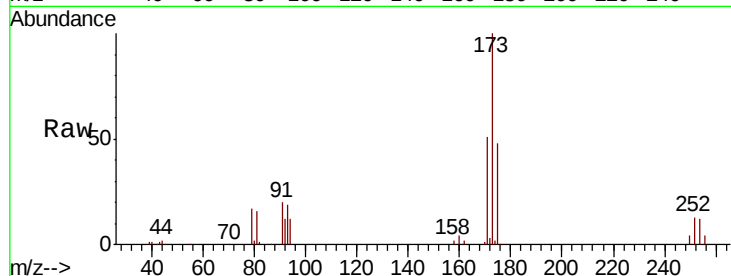
Tot Ion:173 Resp: 95306

Ion Ratio Lower Upper

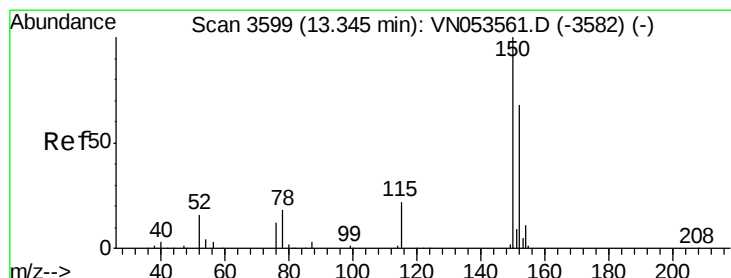
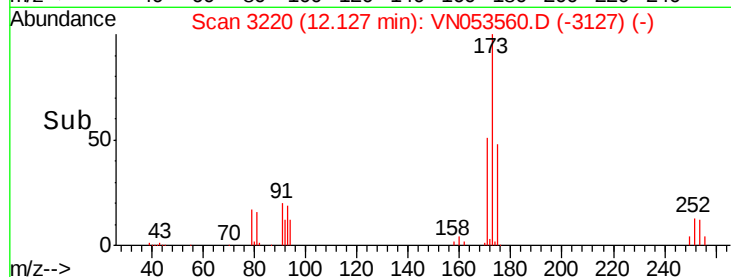
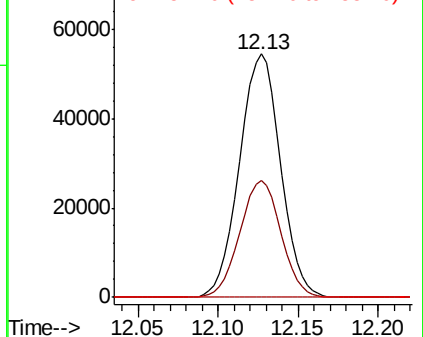
173 100

175 48.0 24.6 74.0

254 0.0 0.2 0.2#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

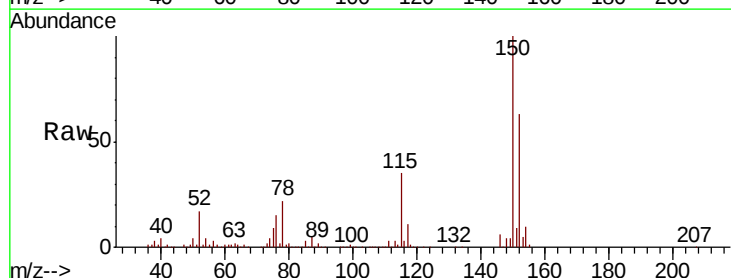
Tgt Ion:152 Resp: 451642

Ion Ratio Lower Upper

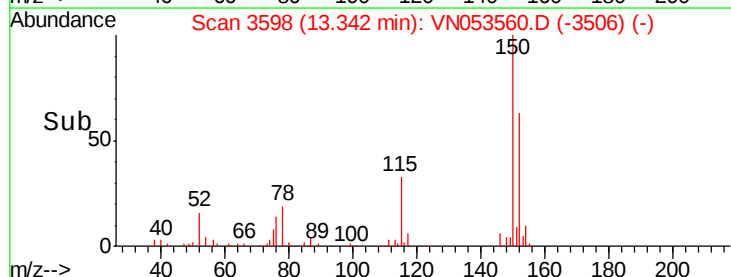
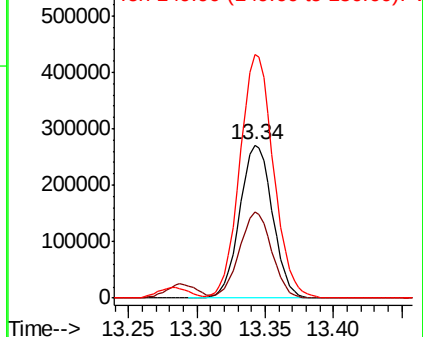
152 100

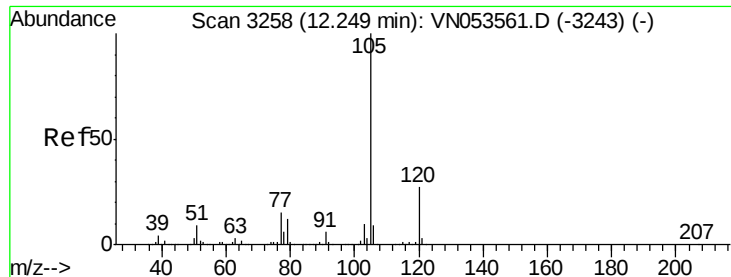
115 55.5 27.8 83.4

150 163.5 0.0 349.0



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: 20.308 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

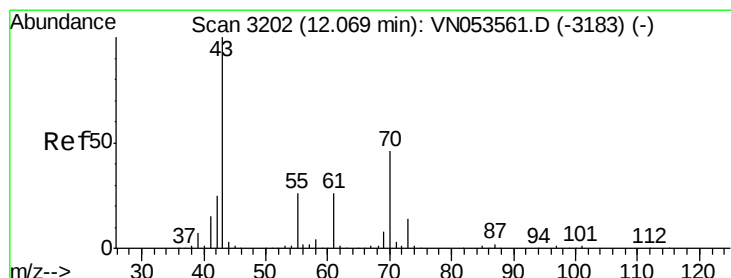
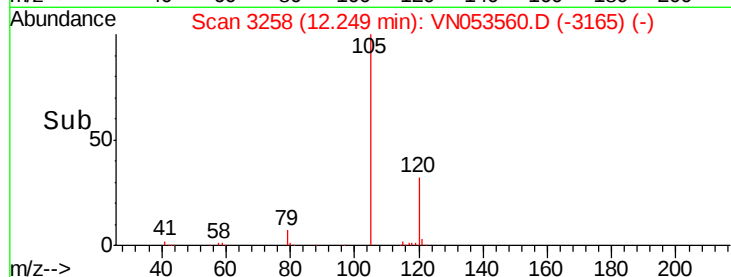
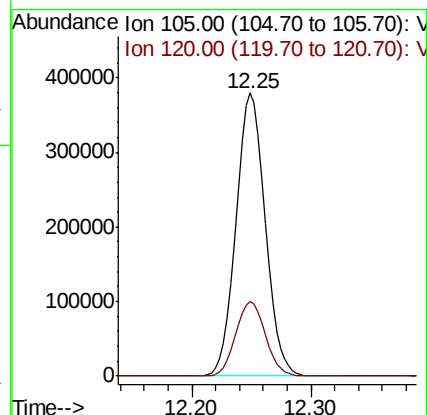
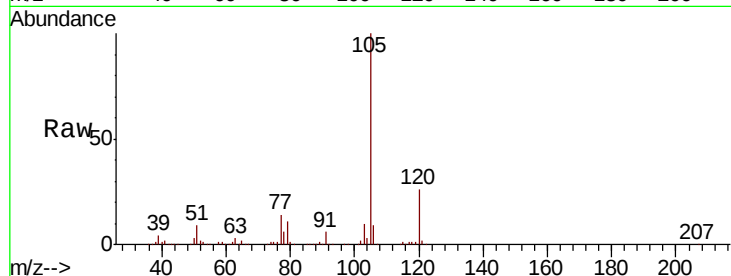
VSTDIC020

Tot Ion:105 Resp: 644785

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7



#74

N-ethyl acetate

Concen: 19.018 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Tgt Ion: 43 Resp: 145202

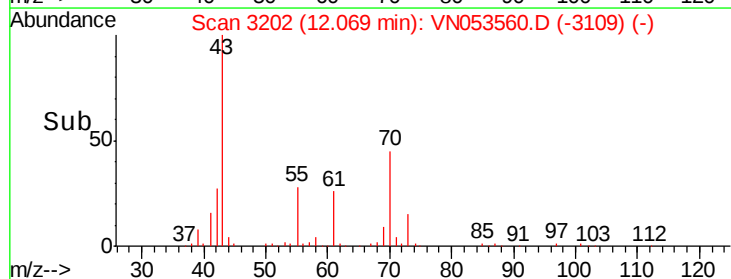
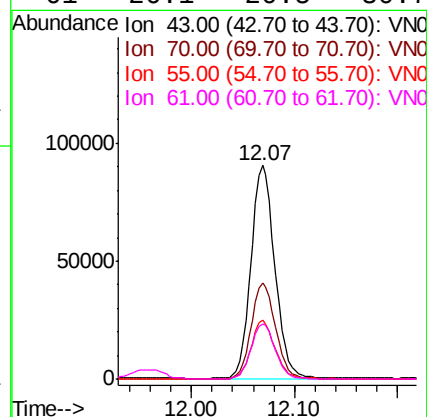
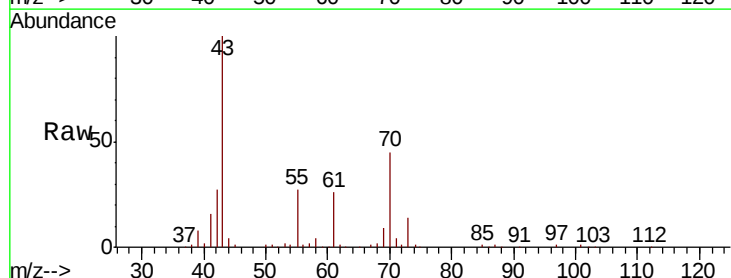
Ion Ratio Lower Upper

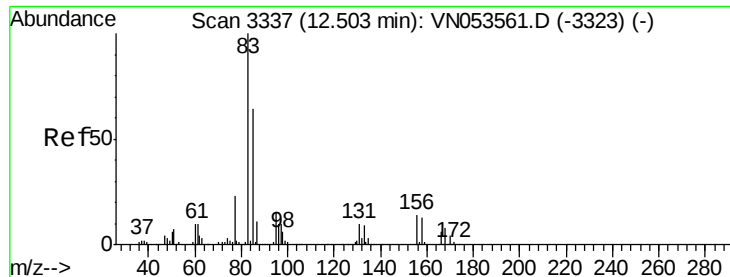
43 100

70 46.0 35.4 53.2

55 27.5 20.9 31.3

61 26.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.392 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

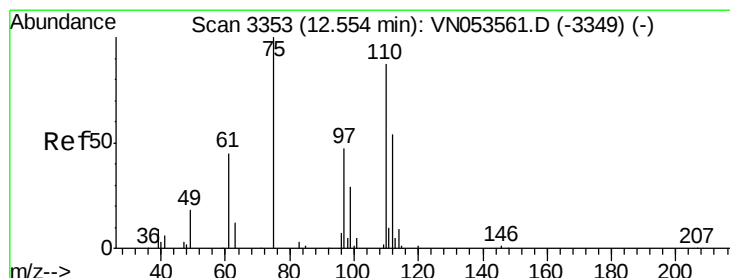
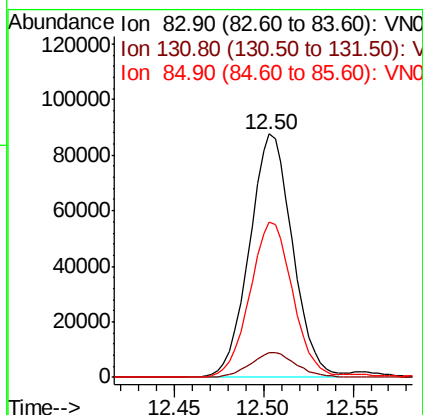
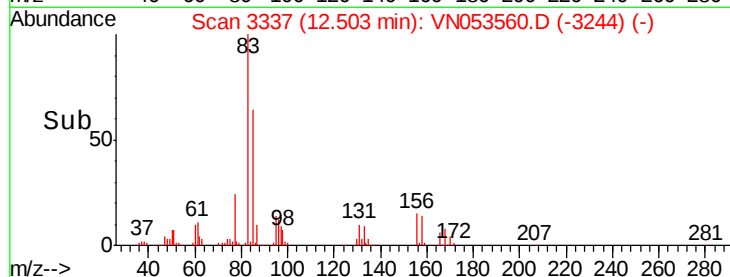
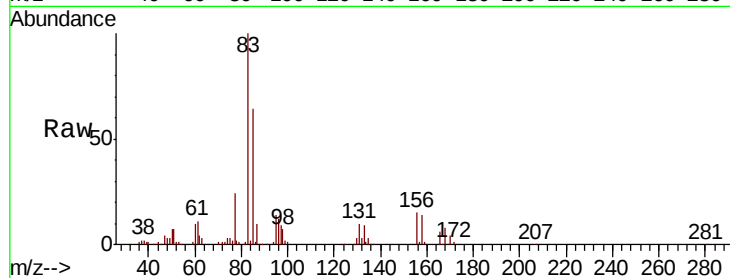
Tot Ion: 83 Resp: 147348

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.8

85 63.6 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 31.275 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053560.D

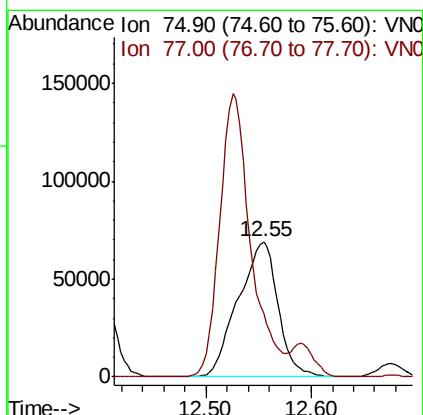
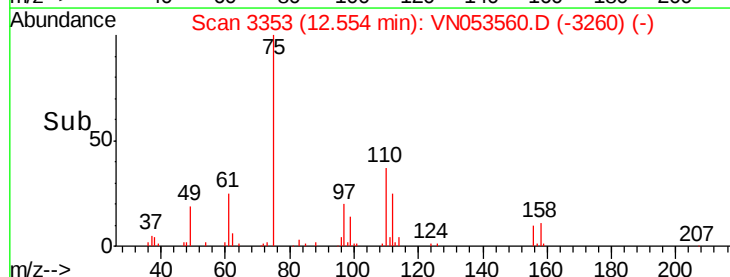
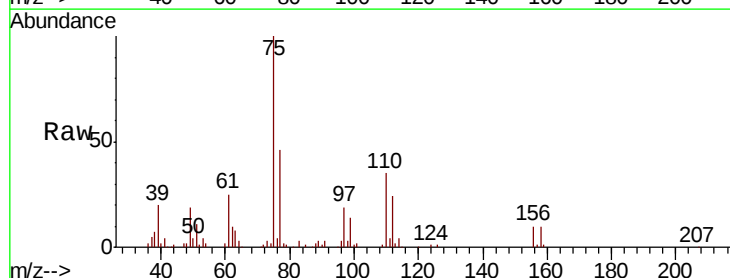
Acq: 30 Jan 2019 9:46

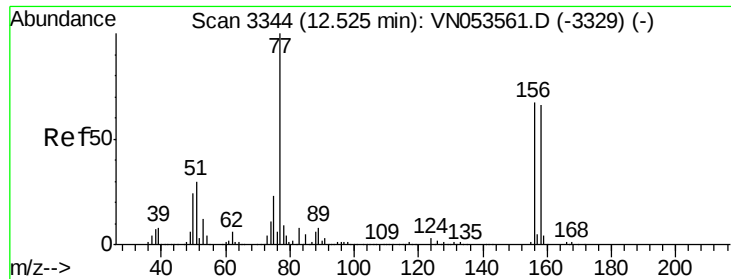
Tgt Ion: 75 Resp: 181428

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.974 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

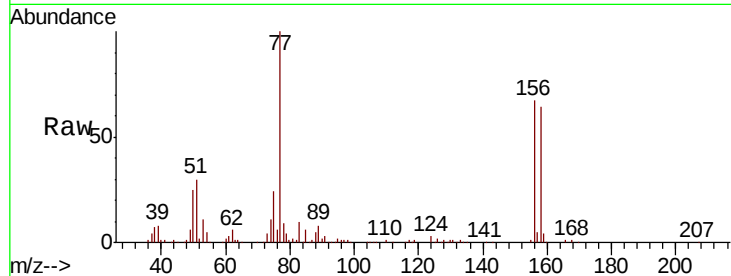
Tot Ion:156 Resp: 170913

Ion Ratio Lower Upper

156 100

77 171.9 87.9 263.8

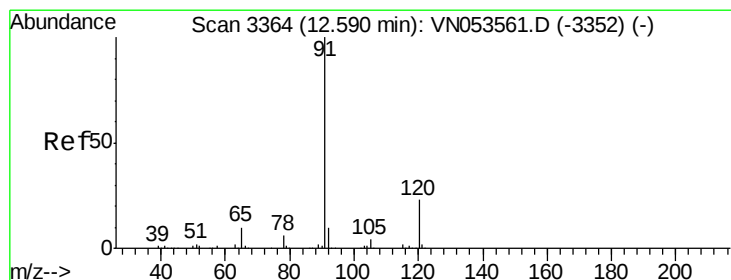
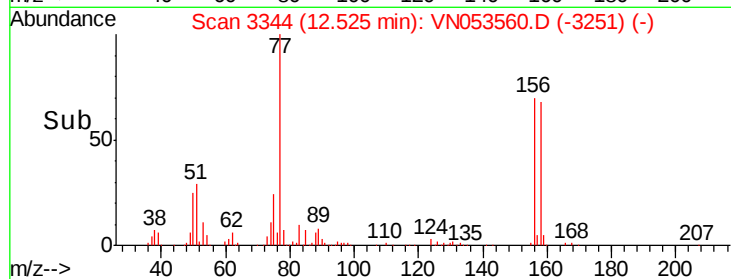
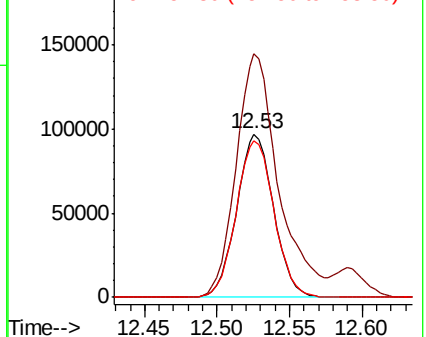
158 98.5 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.290 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053560.D

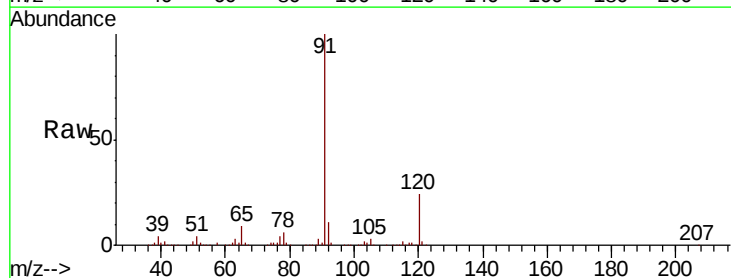
Acq: 30 Jan 2019 9:46

Tgt Ion: 91 Resp: 744690

Ion Ratio Lower Upper

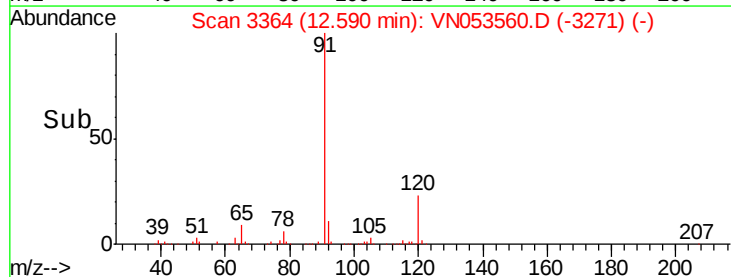
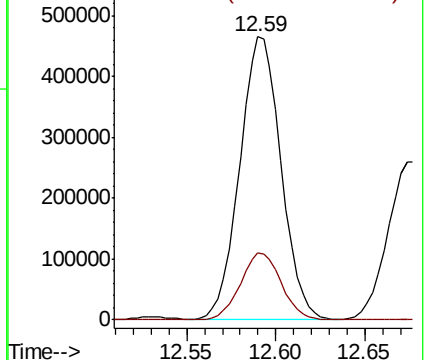
91 100

120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.885 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

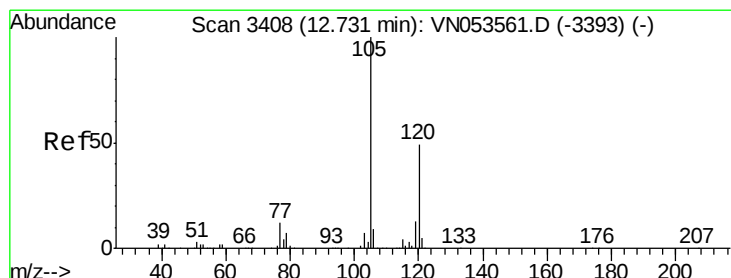
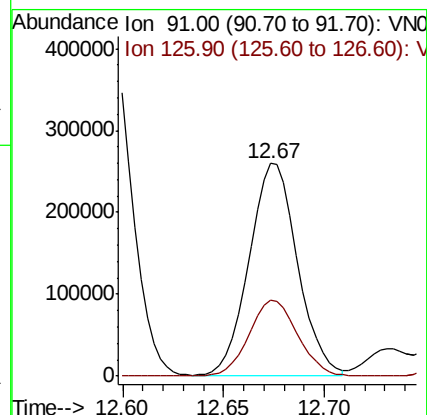
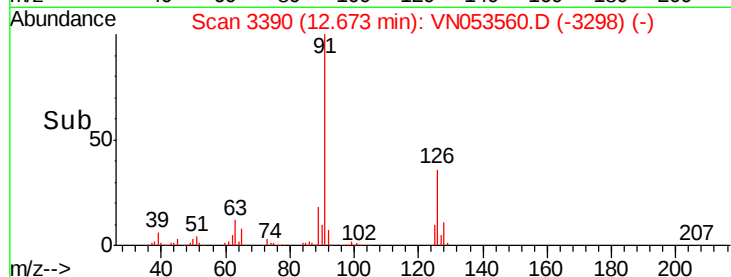
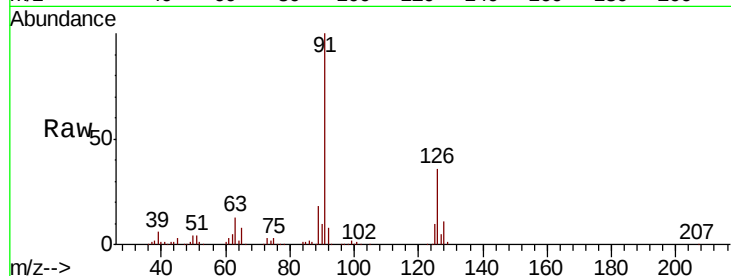
VSTDIC020

Tot Ion: 91 Resp: 433007

Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.444 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053560.D

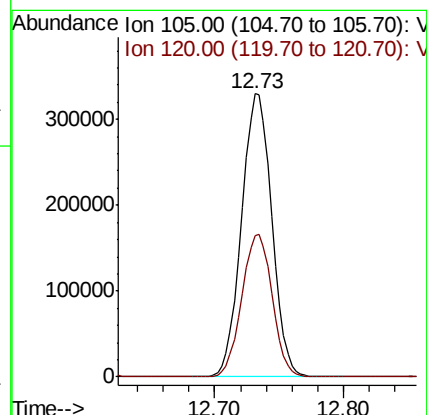
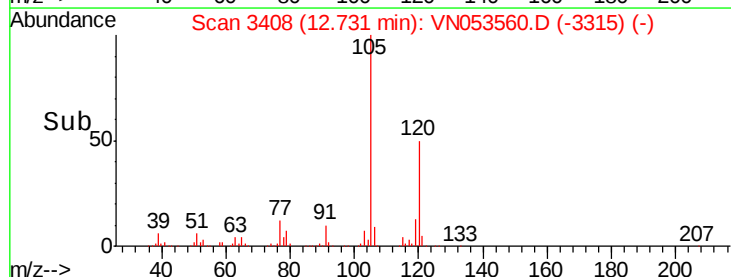
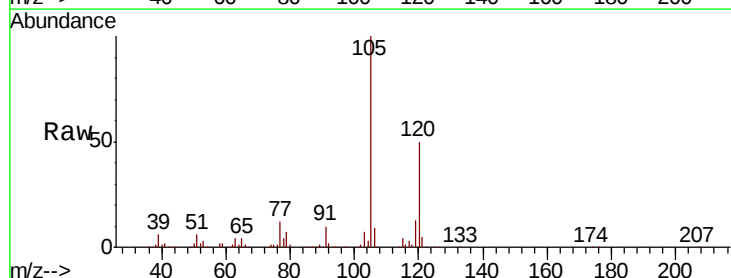
Acq: 30 Jan 2019 9:46

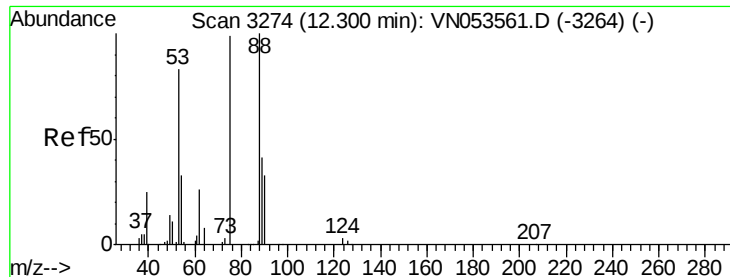
Tgt Ion: 105 Resp: 538260

Ion Ratio Lower Upper

105 100

120 50.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.767 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

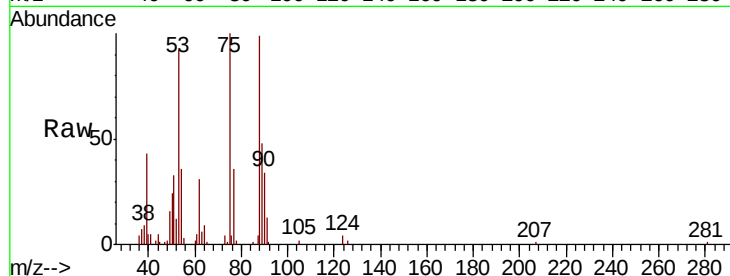
Tot Ion: 75 Resp: 38716

Ion Ratio Lower Upper

75 100

53 93.9 69.8 104.6

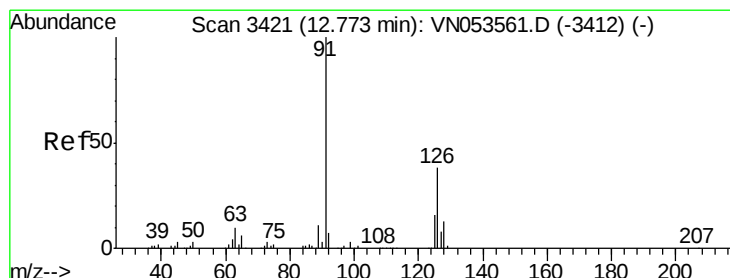
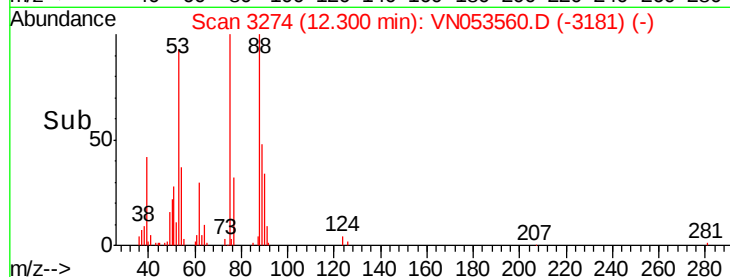
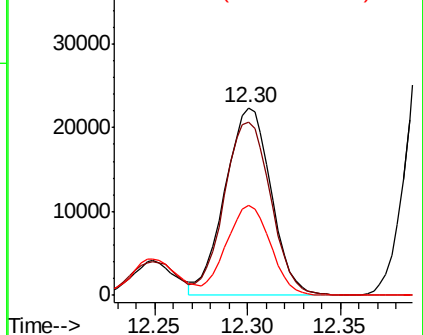
89 45.7 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN053560.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053560.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053560.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 19.865 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053560.D

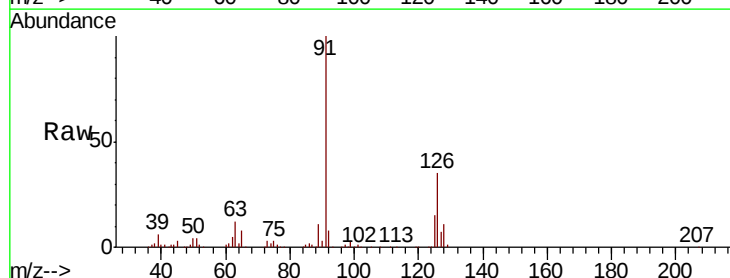
Acq: 30 Jan 2019 9:46

Tgt Ion: 91 Resp: 443875

Ion Ratio Lower Upper

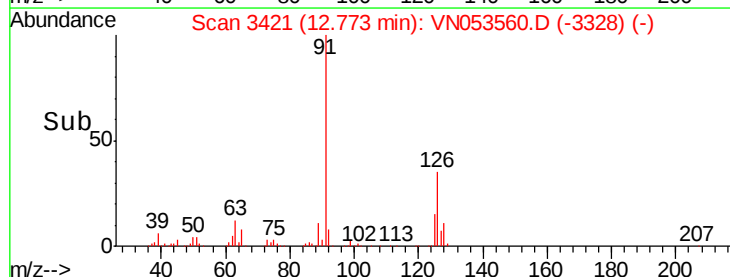
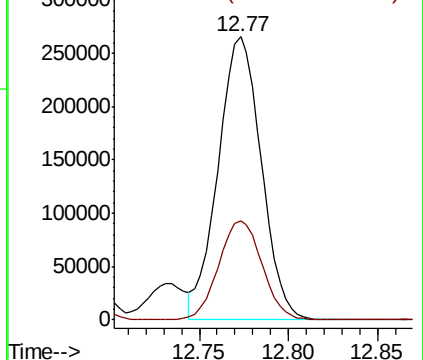
91 100

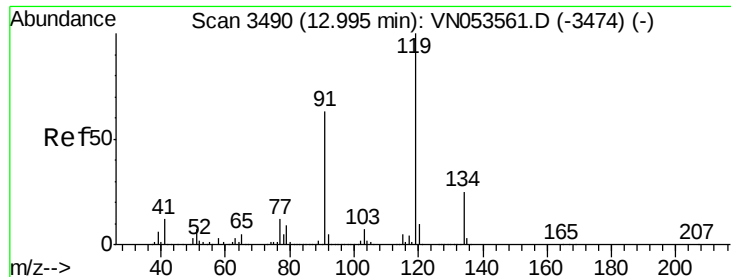
126 35.4 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN053560.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN053560.D (-3328) (-)

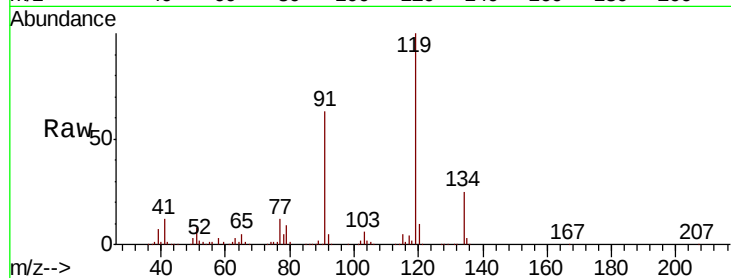




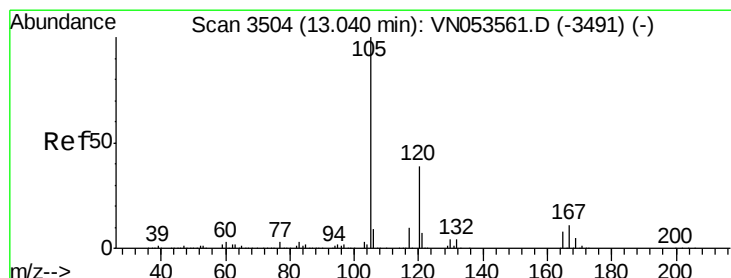
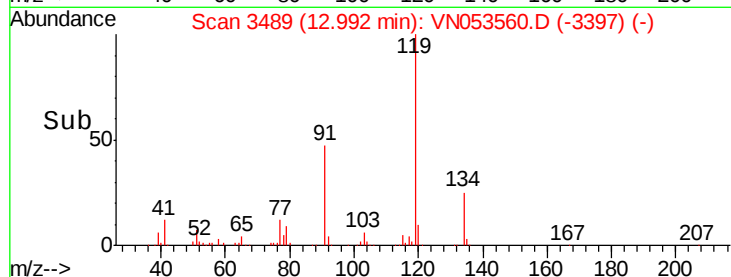
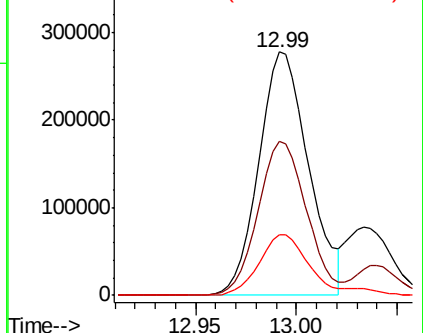
#83  
 tert-Butylbenzene  
 Concen: 20.529 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. -0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Tot Ion:119 Resp: 477696  
 Ion Ratio Lower Upper  
 119 100  
 91 61.4 31.3 93.8  
 134 26.2 12.9 38.7

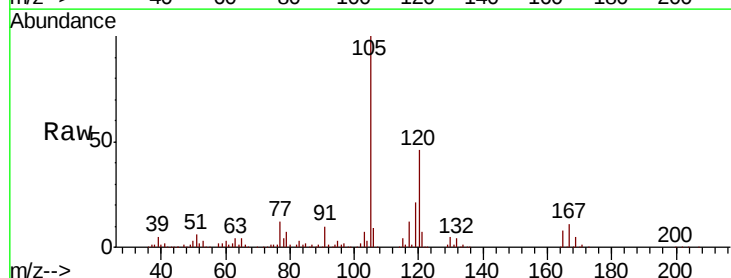


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

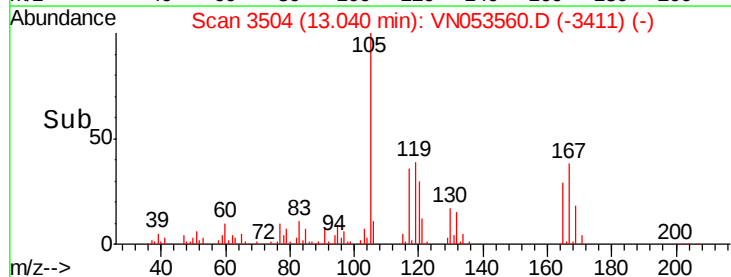
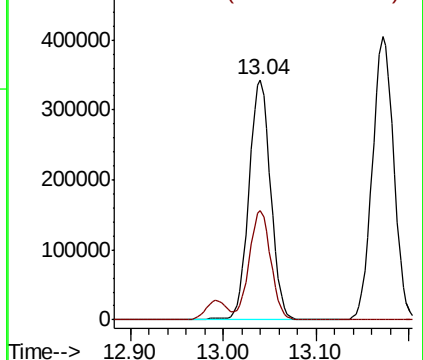


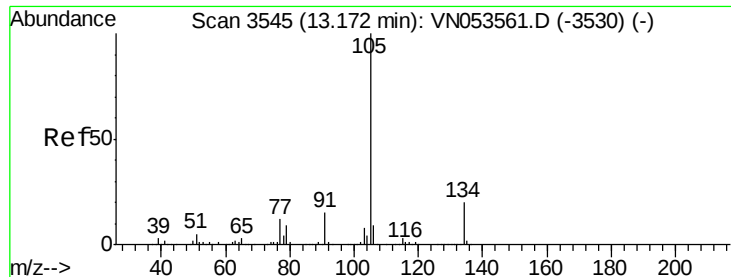
#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.711 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

Tgt Ion:105 Resp: 555535  
 Ion Ratio Lower Upper  
 105 100  
 120 45.4 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V

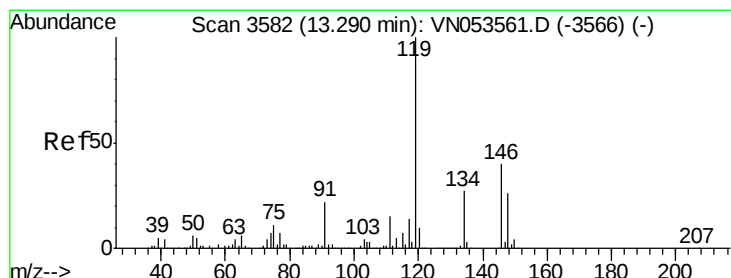
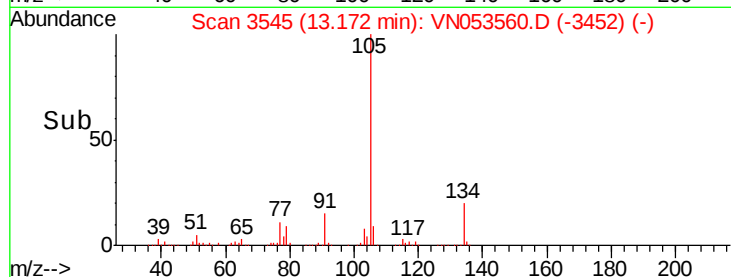
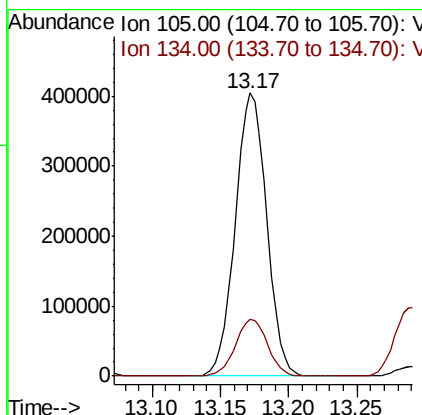
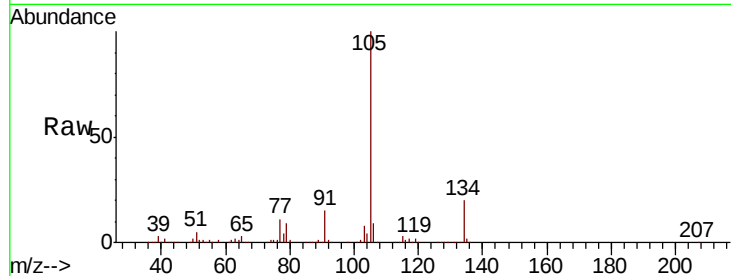




#85  
 sec-Butylbenzene  
 Concen: 20.382 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

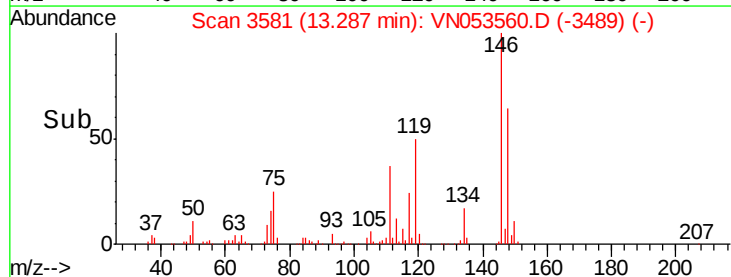
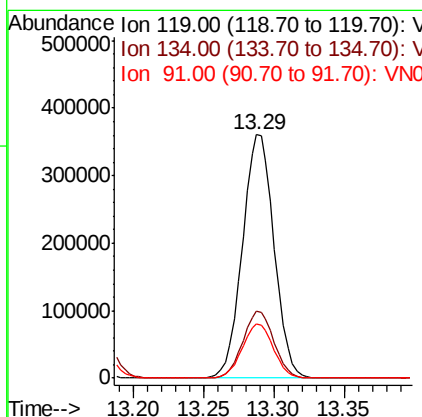
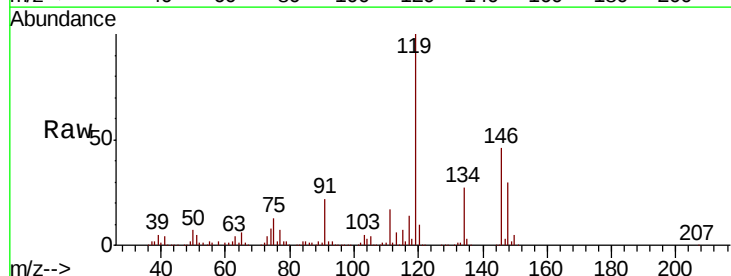
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Tot Ion:105 Resp: 645391  
 Ion Ratio Lower Upper  
 105 100  
 134 20.7 10.2 30.6



#86  
 p-Isopropyltoluene  
 Concen: 20.363 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. -0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

Tgt Ion:119 Resp: 563943  
 Ion Ratio Lower Upper  
 119 100  
 134 27.2 13.5 40.4  
 91 22.0 11.0 33.0

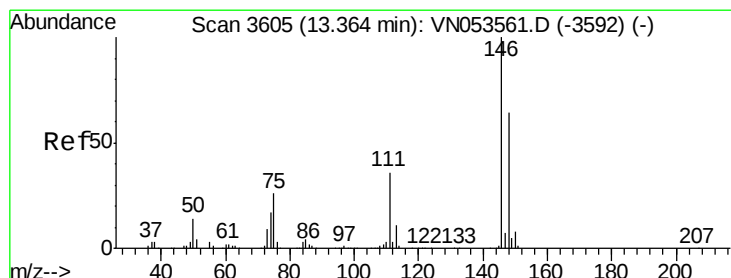
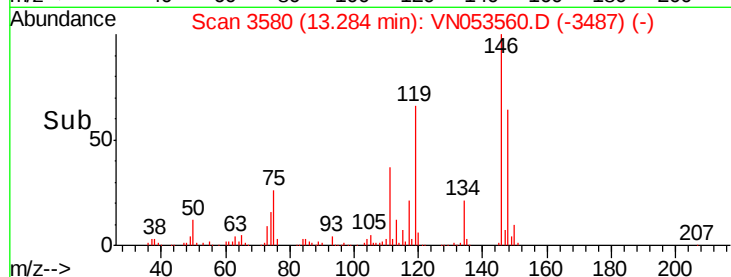
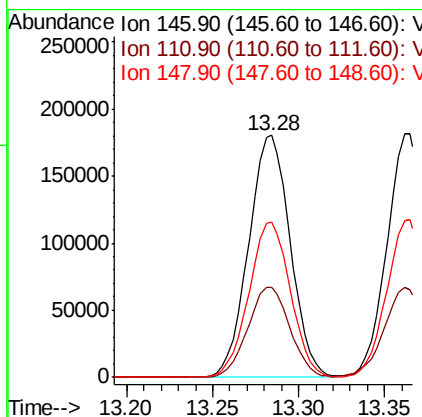
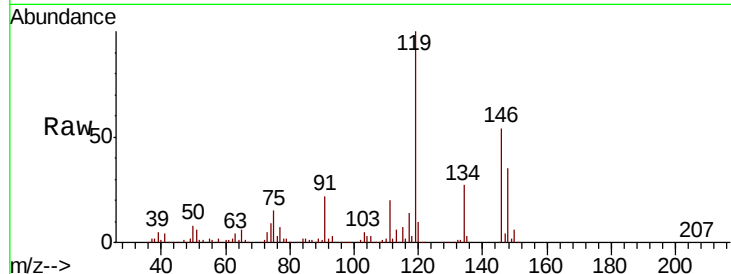




#87  
 1,3-Dichlorobenzene  
 Concen: 19.645 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

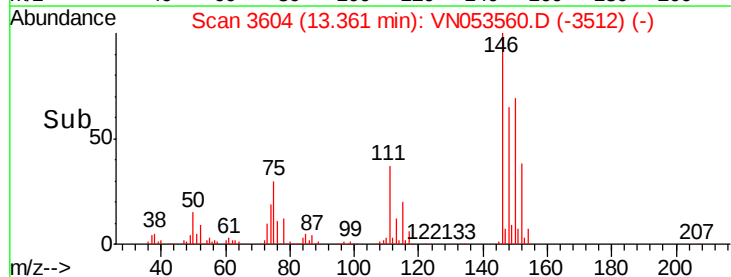
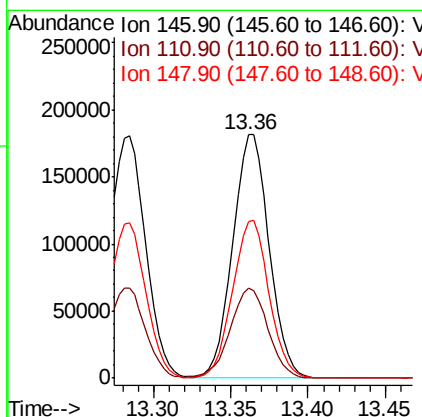
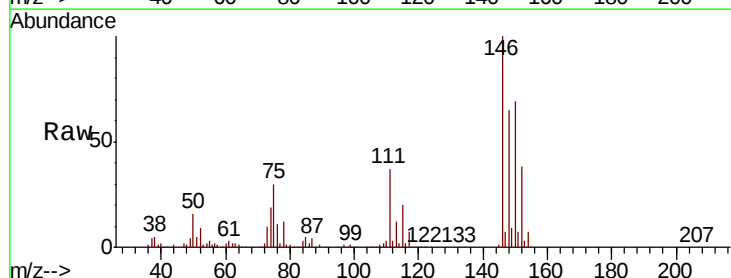
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Tot Ion:146 Resp: 302188  
 Ion Ratio Lower Upper  
 146 100  
 111 37.6 18.8 56.3  
 148 64.1 32.0 96.2



#88  
 1,4-Dichlorobenzene  
 Concen: 19.461 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. -0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

Tgt Ion:146 Resp: 296116  
 Ion Ratio Lower Upper  
 146 100  
 111 38.5 18.6 55.8  
 148 64.8 32.4 97.0

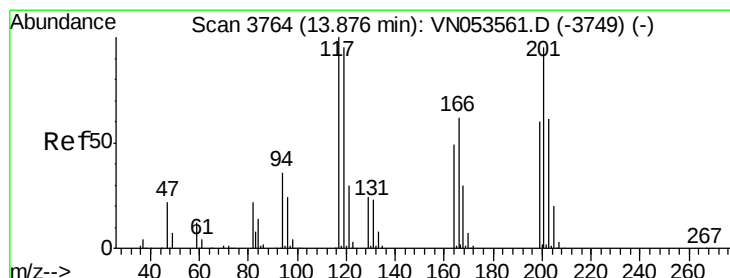
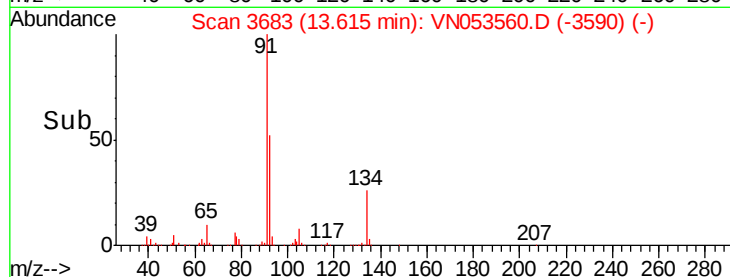
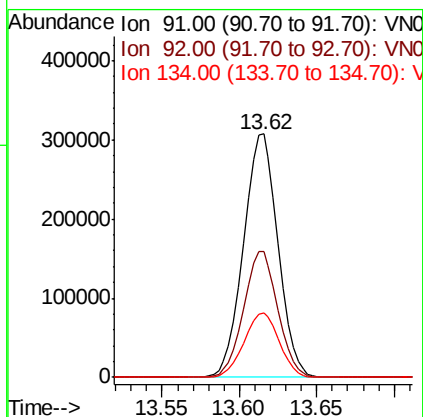
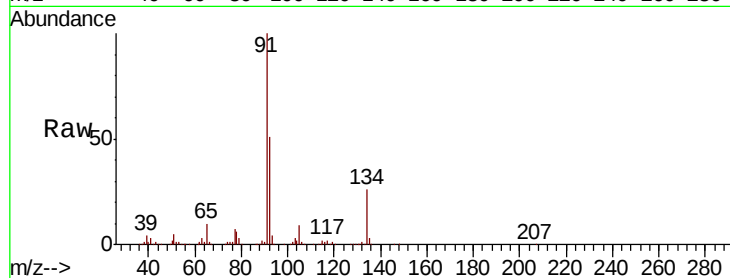




#89  
n-Butylbenzene  
Concen: 19.889 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

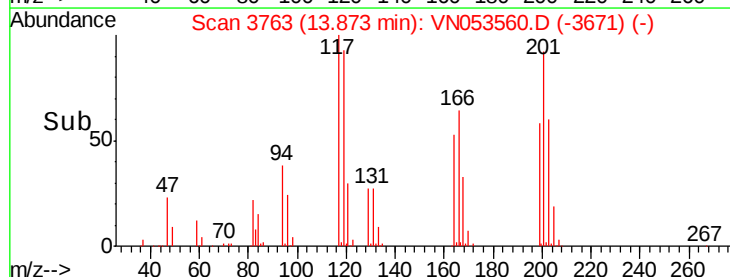
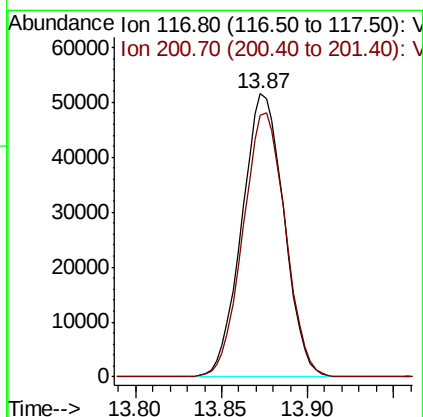
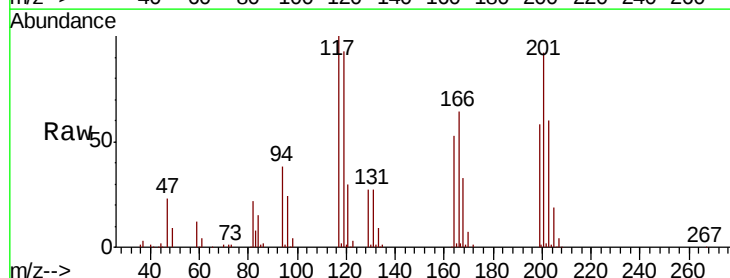
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

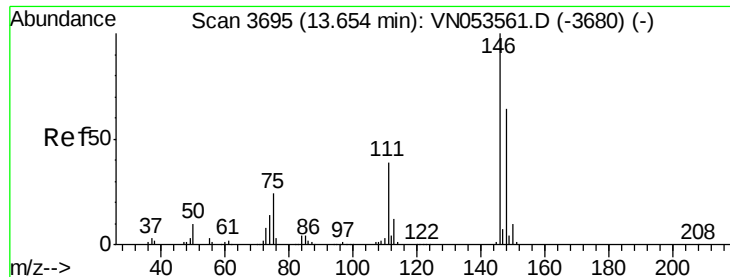
Tot Ion: 91 Resp: 476756  
Ion Ratio Lower Upper  
91 100  
92 51.3 26.3 78.8  
134 26.9 13.5 40.5



#90  
Hexachloroethane  
Concen: 19.189 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN053560.D  
Acq: 30 Jan 2019 9:46

Tgt Ion: 117 Resp: 87655  
Ion Ratio Lower Upper  
117 100  
201 93.7 46.8 140.4

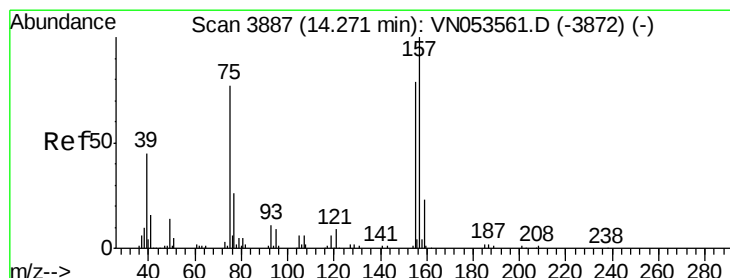
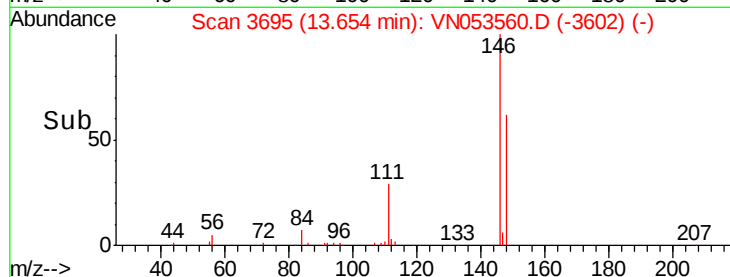
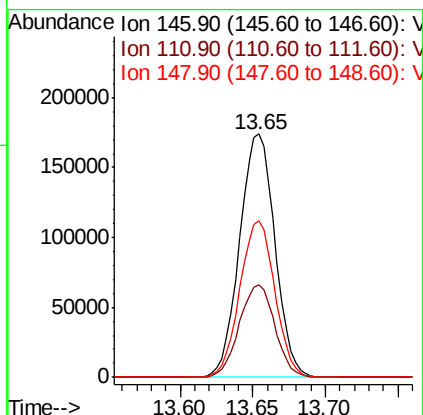
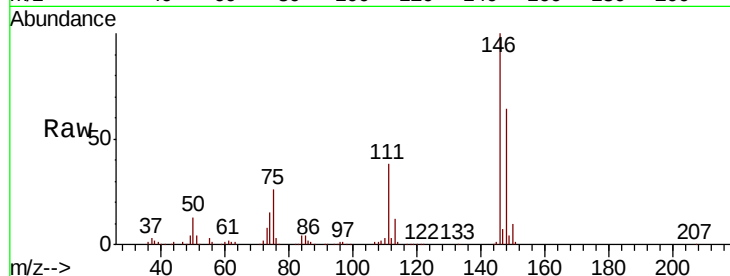




#91  
 1,2-Dichlorobenzene  
 Concen: 20.016 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

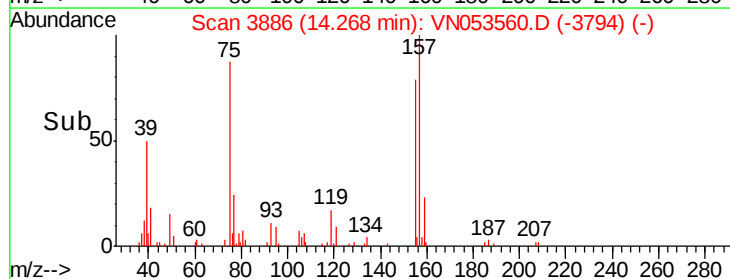
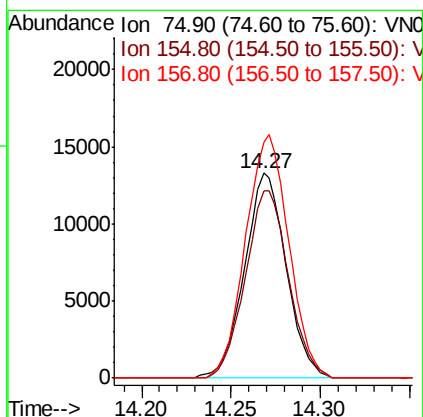
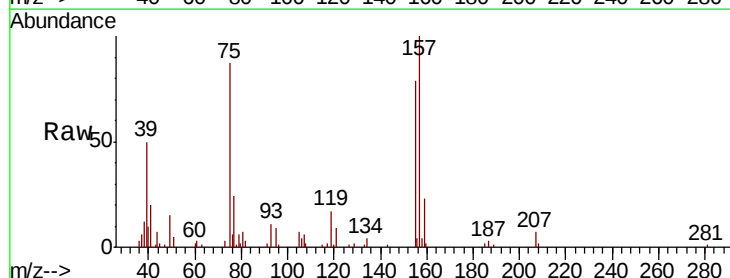
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

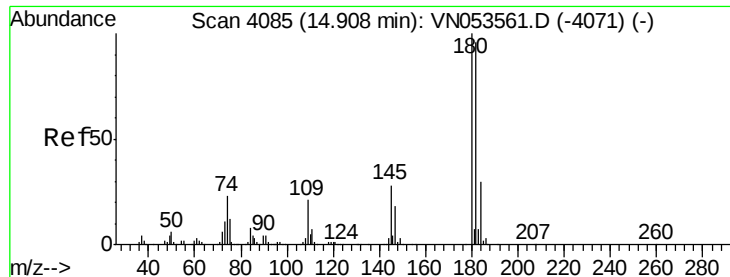
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 19.5  | 58.5  |
| 148     | 63.7  | 31.9  | 95.9  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.064 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN053560.D  
 Acq: 30 Jan 2019 9:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 94.7  | 48.9  | 146.7 |
| 157     | 123.1 | 63.7  | 191.3 |





#93

1,2,4-Trichlorobenzene

Concen: 19.969 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

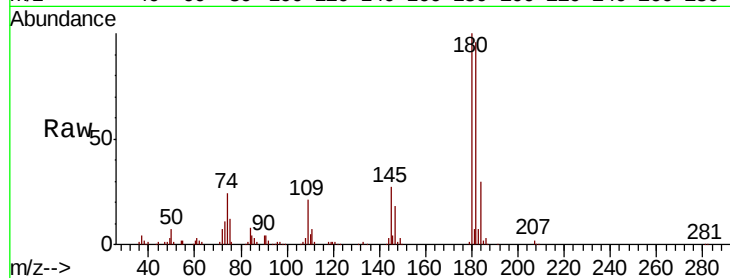
Tot Ion:180 Resp: 168653

Ion Ratio Lower Upper

180 100

182 97.4 48.1 144.3

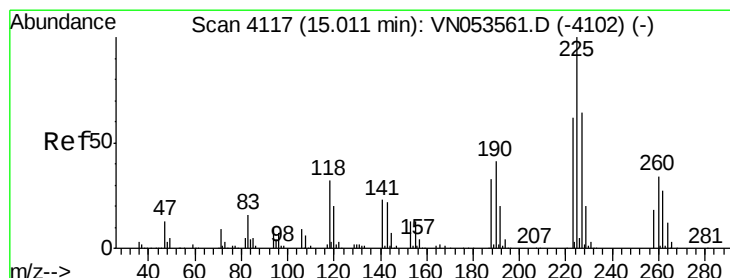
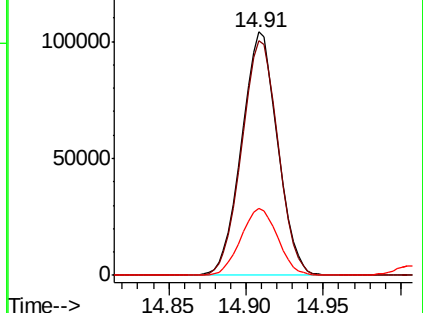
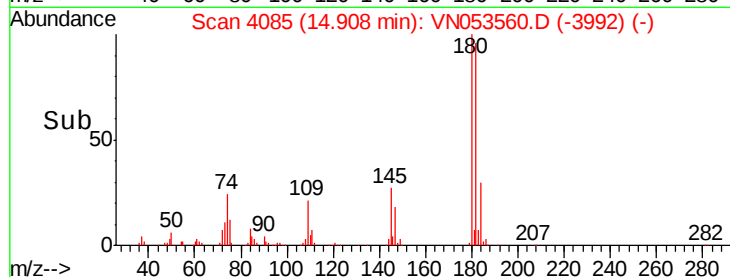
145 28.1 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.954 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

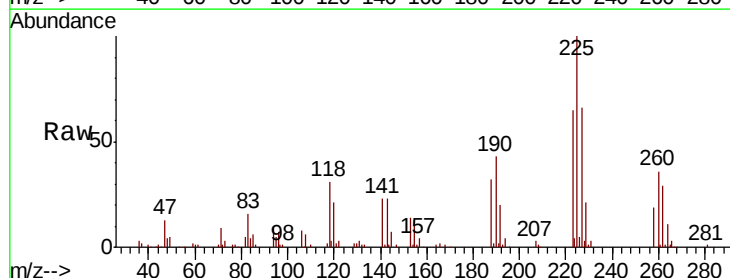
Tgt Ion:225 Resp: 104955

Ion Ratio Lower Upper

225 100

223 63.2 31.1 93.2

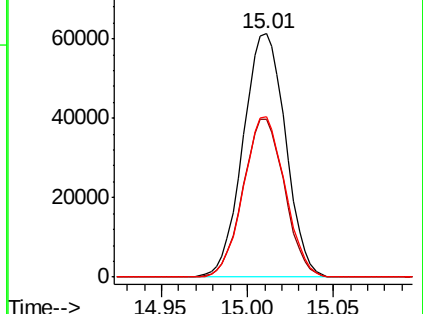
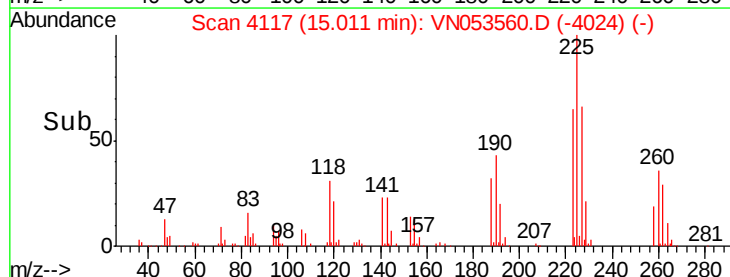
227 64.4 32.0 96.2

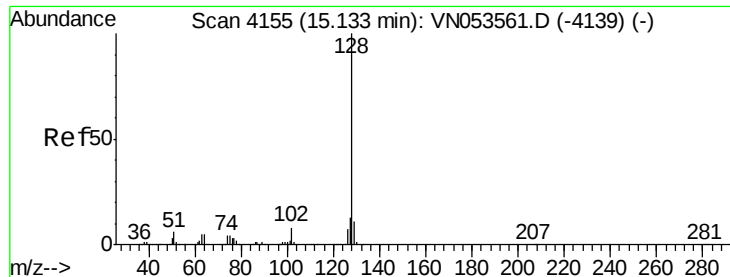


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.985 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

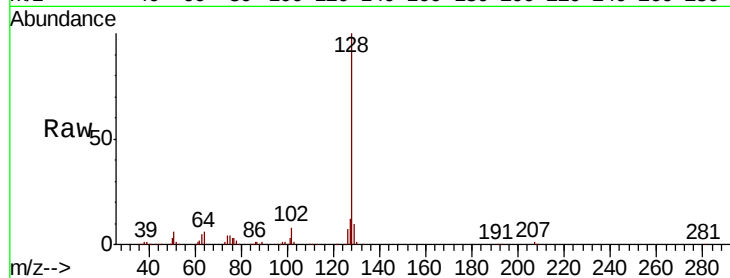
Tot Ion:128 Resp: 354529

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

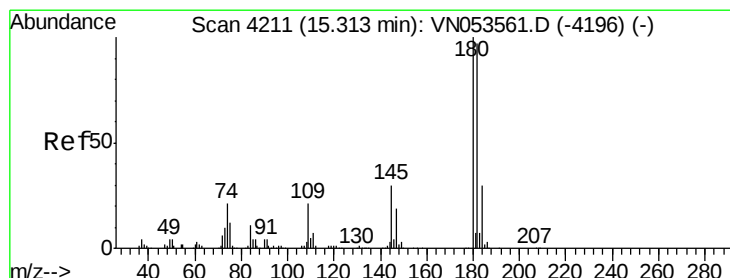
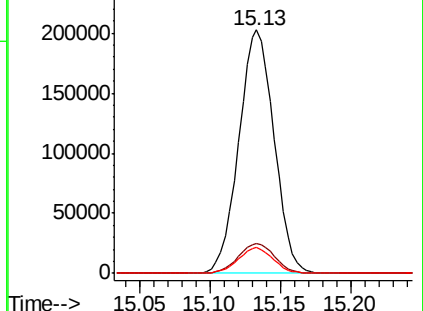
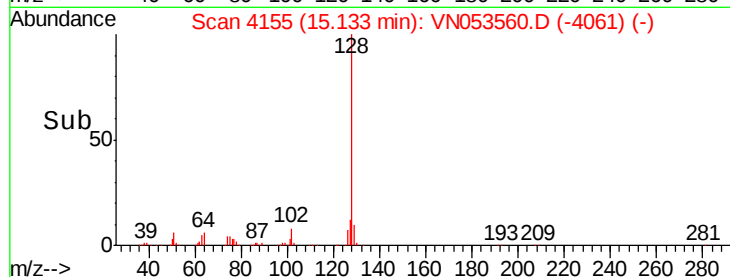
129 10.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.518 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

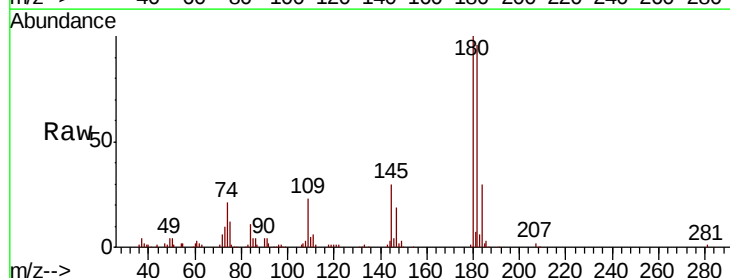
Tgt Ion:180 Resp: 160792

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.8

145 29.9 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

