

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110920\  
 Data File : VD067568.D  
 Acq On : 09 Nov 2020 16:18  
 Operator : VA/SY  
 Sample : L4665-01RE  
 Misc : 6.72G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 10 00:20:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110320S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 04 00:56:28 2020  
 Response via : Initial Calibration

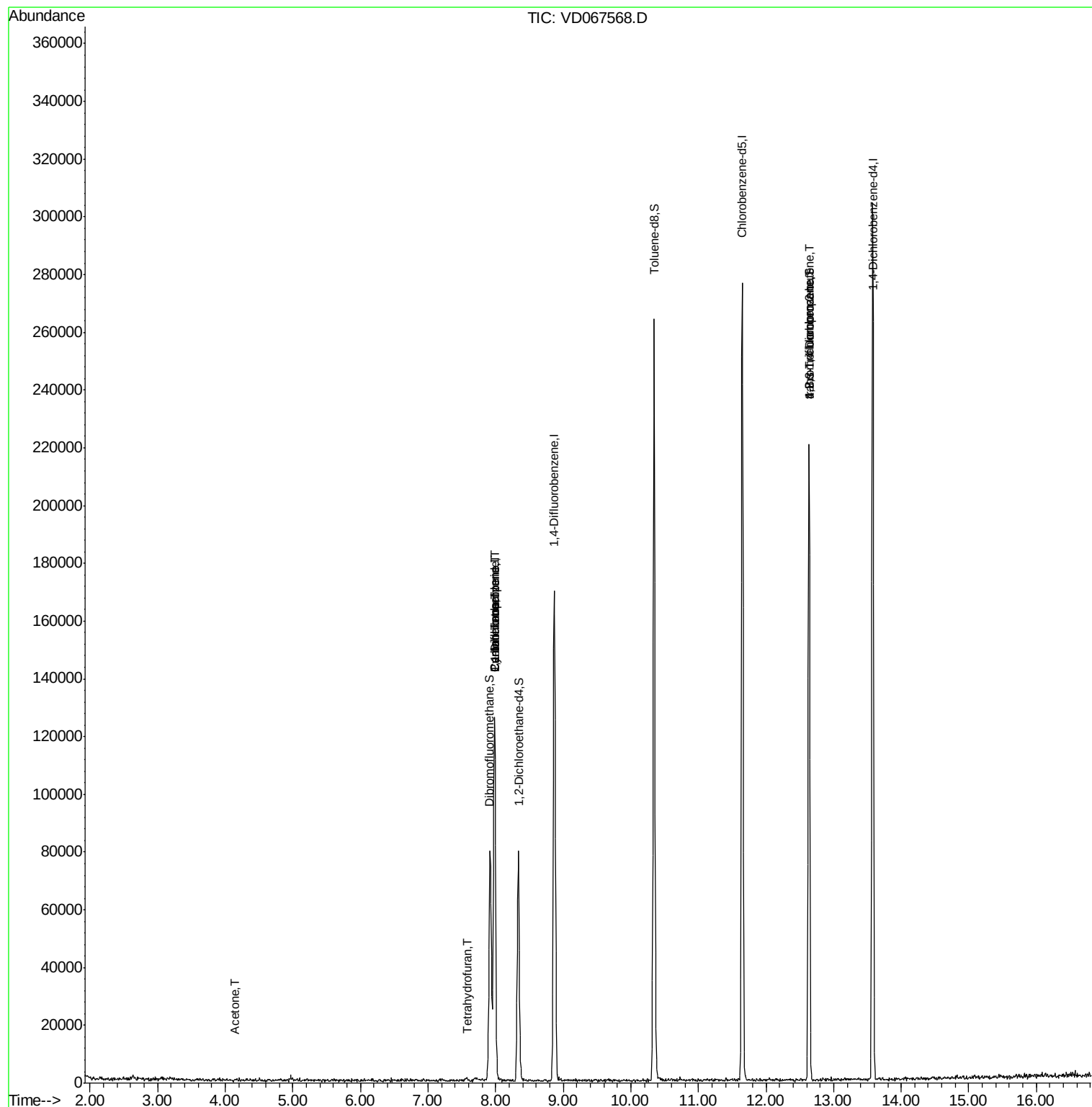
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene          | 7.98  | 168  | 96047    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.87  | 114  | 153666   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.65 | 117  | 172346   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.58 | 152  | 86554    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.34  | 65   | 65146    | 77.57   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 155.14% |          |
| 35) Dibromofluoromethane       | 7.91  | 113  | 58654    | 63.35   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 126.70% |          |
| 50) Toluene-d8                 | 10.34 | 98   | 182332   | 56.04   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 112.08% |          |
| 62) 4-Bromofluorobenzene       | 12.64 | 95   | 72042    | 64.13   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 128.26% |          |
| Target Compounds               |       |      |          |         |         |          |
|                                |       |      |          |         | Qvalue  |          |
| 16) Acetone                    | 4.15  | 43   | 163      | 1.297   | ug/l #  | 43       |
| 29) Tetrahydrofuran            | 7.58  | 42   | 566      | 7.036   | ug/l #  | 47       |
| 31) Cyclohexane                | 7.98  | 56   | 1786     | 1.466   | ug/l #  | 55       |
| 36) 1,1-Dichloropropene        | 7.98  | 75   | 6305     | 4.793   | ug/l #  | 47       |
| 38) Carbon Tetrachloride       | 7.98  | 117  | 10171    | 5.951   | ug/l #  | 17       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 36147    | 69.228  | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.63 | 75   | 36147    | 140.552 | ug/l #  | 10       |

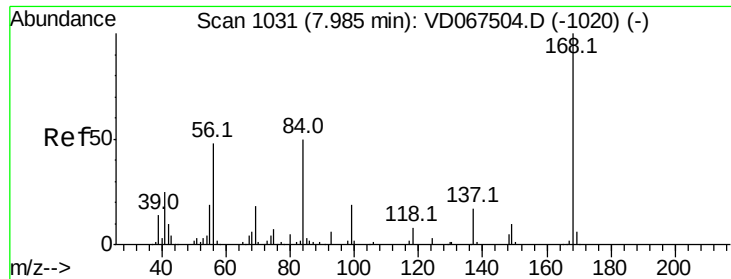
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110920\  
Data File : VD067568.D  
Acq On : 09 Nov 2020 16:18  
Operator : VA/SY  
Sample : L4665-01RE  
Misc : 6.72G/5.00ml/MSVOA D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Nov 10 00:20:26 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110320S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 04 00:56:28 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067568.D

Acq: 09 Nov 2020 16:18

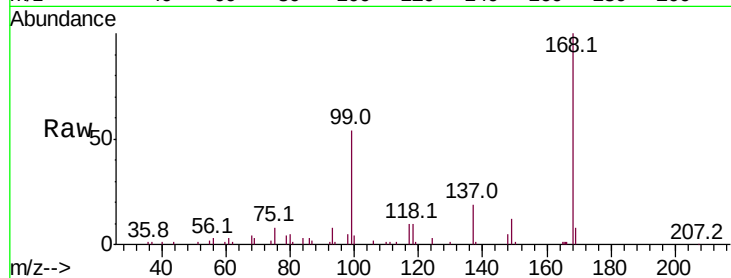
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:168 Resp: 96047

Ion Ratio Lower Upper

168 100

99 54.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

40000

30000

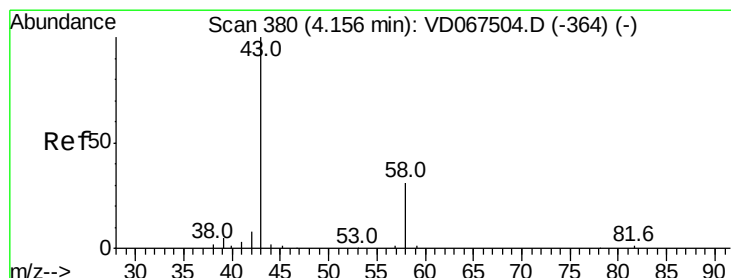
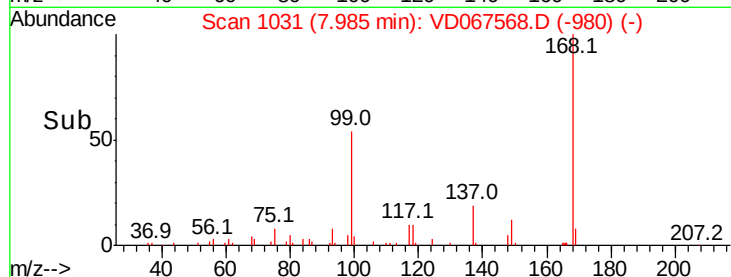
20000

10000

0

7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 1.297 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067568.D

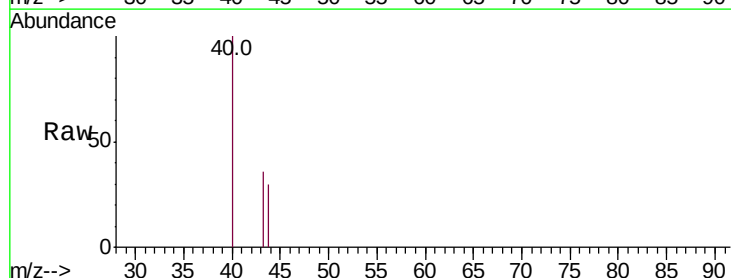
Acq: 09 Nov 2020 16:18

Tgt Ion: 43 Resp: 163

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

300

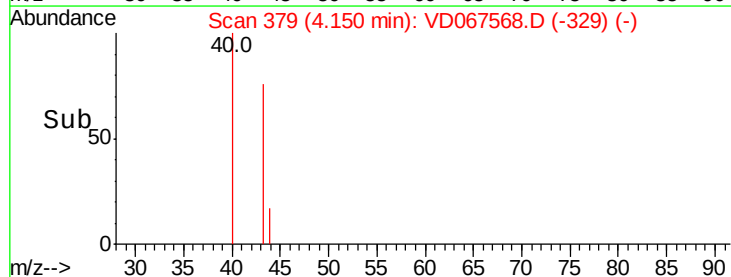
200

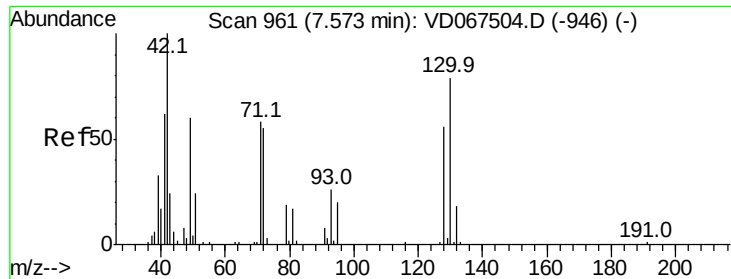
100

0

4.14 4.16

Time-->

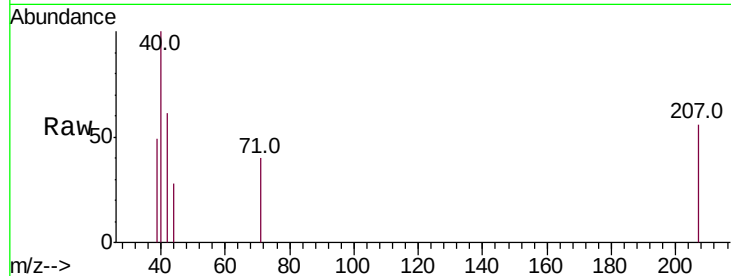




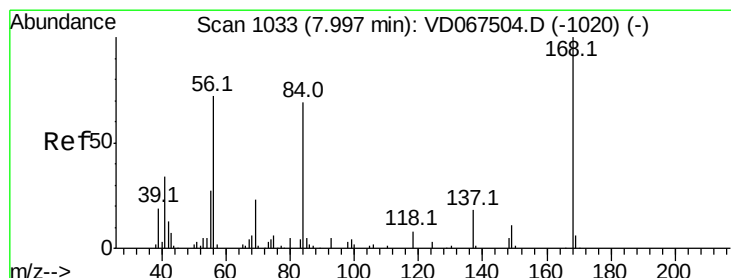
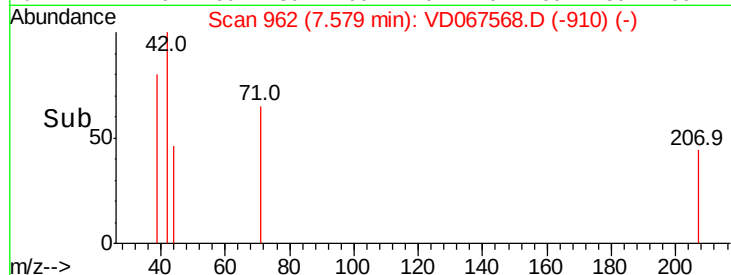
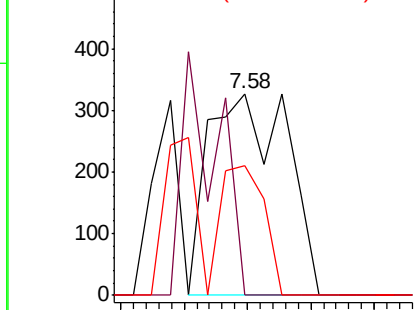
#29  
Tetrahydrofuran  
Concen: 7.036 ug/l  
RT: 7.58 min Scan# 962  
Delta R.T. 0.01 min  
Lab File: VD067568.D  
Acq: 09 Nov 2020 16:18

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion: 42 Resp: 566  
Ion Ratio Lower Upper  
42 100  
72 0.0 46.3 69.5#  
71 35.5 44.0 66.0#

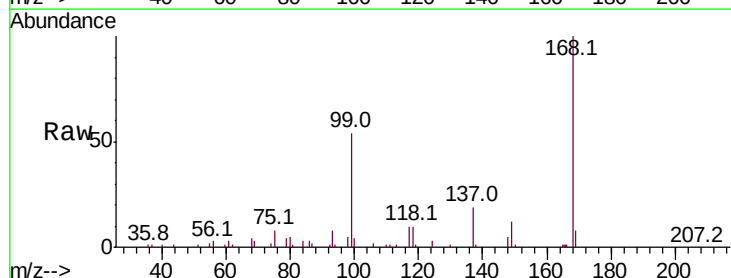


Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC

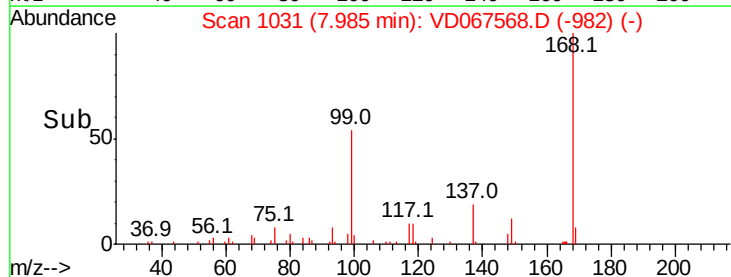
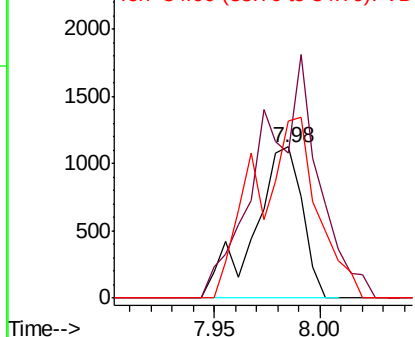


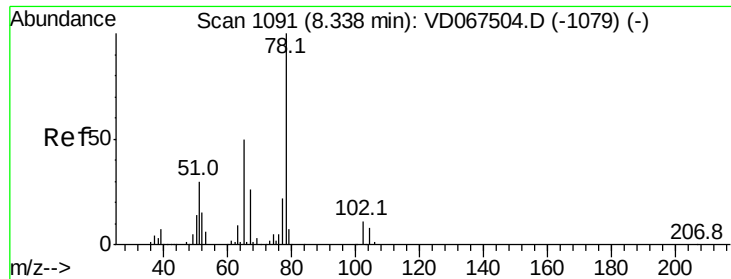
#31  
Cyclohexane  
Concen: 1.466 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: VD067568.D  
Acq: 09 Nov 2020 16:18

Tgt Ion: 56 Resp: 1786  
Ion Ratio Lower Upper  
56 100  
69 96.0 25.9 38.9#  
84 116.8 76.2 114.4#



Abundance Ion 56.00 (55.70 to 56.70): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.00 (83.70 to 84.70): VDC

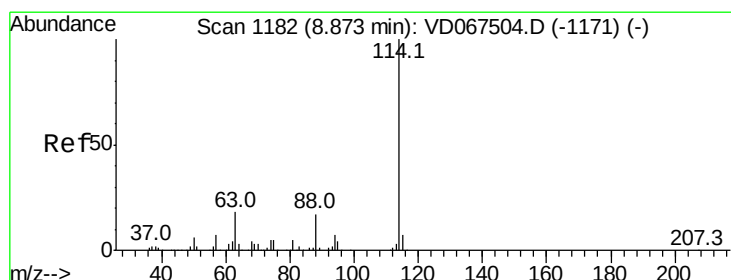
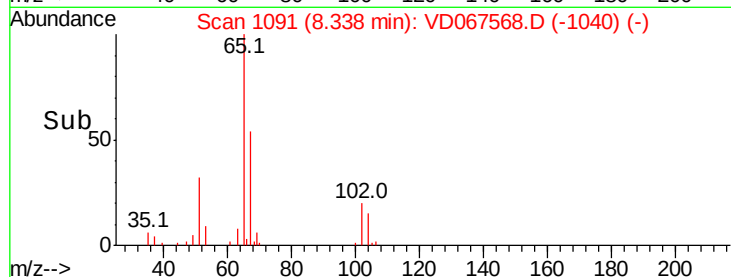
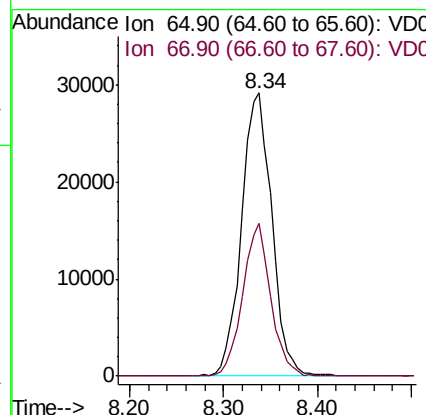
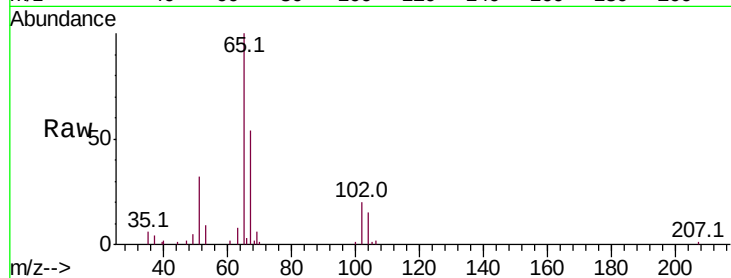




#33  
 1,2-Dichloroethane-d4  
 Concen: 77.571 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. 0.00 min  
 Lab File: VD067568.D  
 Acq: 09 Nov 2020 16:18

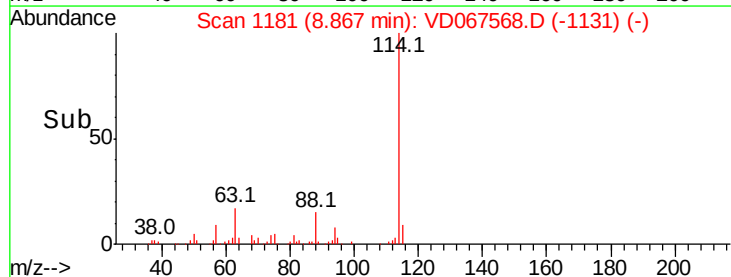
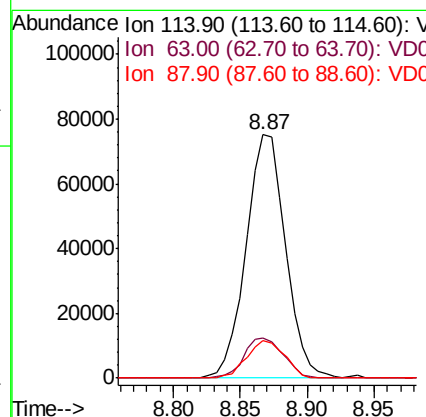
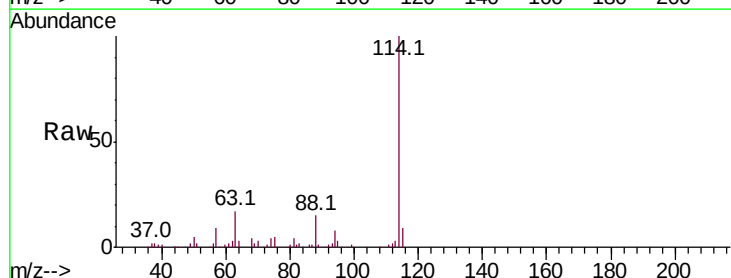
Instrument :  
 MSVOA\_D  
 ClientSampleId :

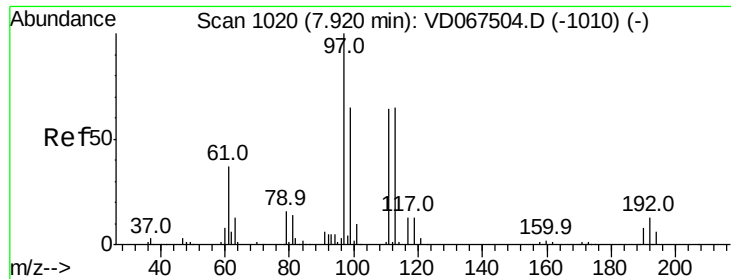
Tot Ion: 65 Resp: 65146  
 Ion Ratio Lower Upper  
 65 100  
 67 49.8 0.0 99.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.01 min  
 Lab File: VD067568.D  
 Acq: 09 Nov 2020 16:18

Tgt Ion: 114 Resp: 153666  
 Ion Ratio Lower Upper  
 114 100  
 63 16.5 0.0 35.0  
 88 15.3 0.0 33.0

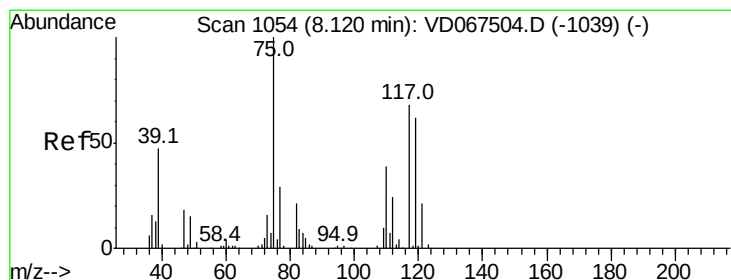
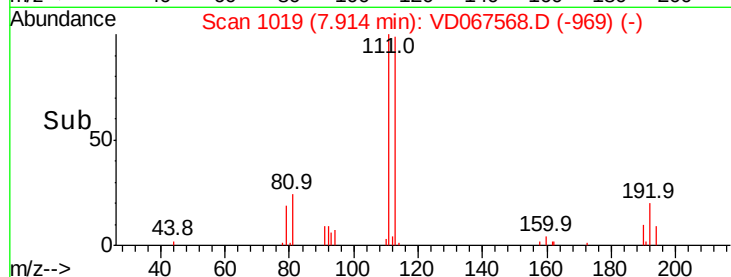
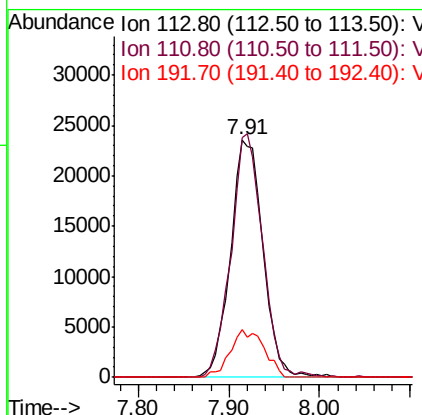
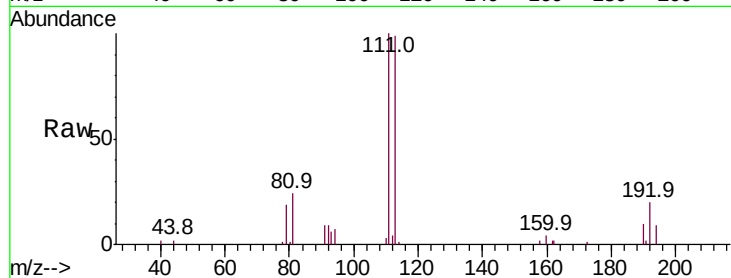




#35  
 Dibromofluoromethane  
 Concen: 63.353 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: VD067568.D  
 Acq: 09 Nov 2020 16:18

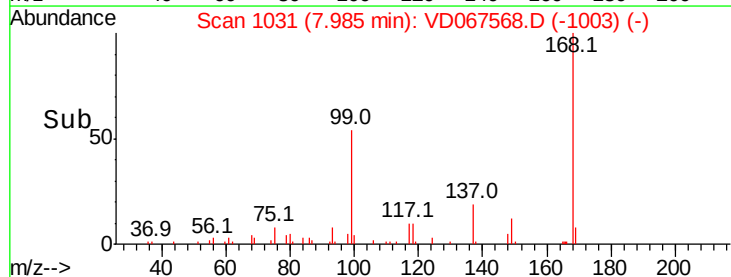
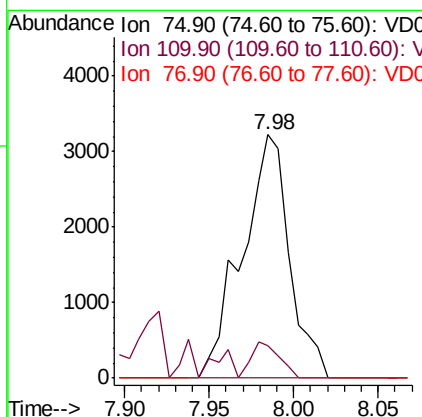
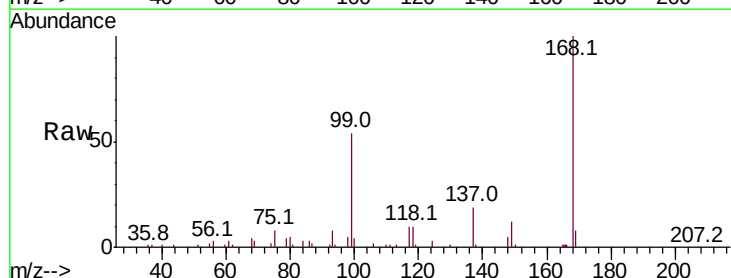
Instrument :  
 MSVOA\_D  
 ClientSampleId :

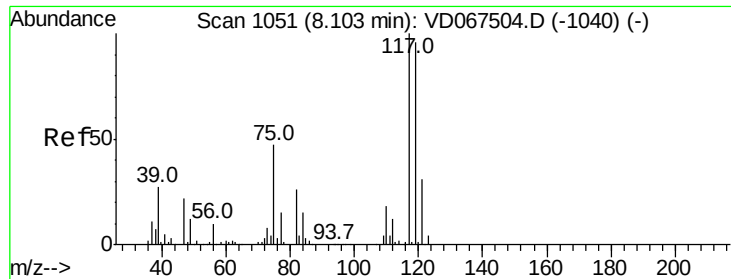
Tot Ion:113 Resp: 58654  
 Ion Ratio Lower Upper  
 113 100  
 111 99.7 80.0 120.0  
 192 20.9 16.3 24.5



#36  
 1,1-Dichloropropene  
 Concen: 4.793 ug/l  
 RT: 7.98 min Scan# 1031  
 Delta R.T. -0.14 min  
 Lab File: VD067568.D  
 Acq: 09 Nov 2020 16:18

Tgt Ion: 75 Resp: 6305  
 Ion Ratio Lower Upper  
 75 100  
 110 8.7 19.9 59.7#  
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.951 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067568.D

Acq: 09 Nov 2020 16:18

Instrument :

MSVOA\_D

ClientSampled :

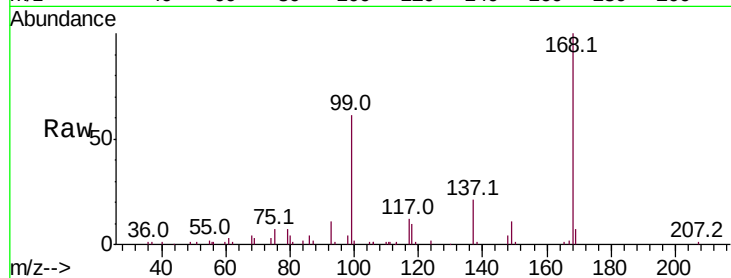
Tot Ion:117 Resp: 10171

Ion Ratio Lower Upper

117 100

119 6.6 76.9 115.3#

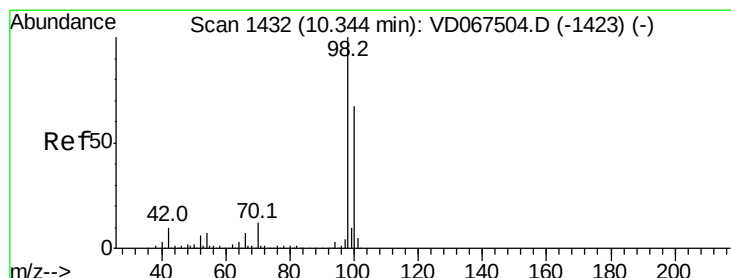
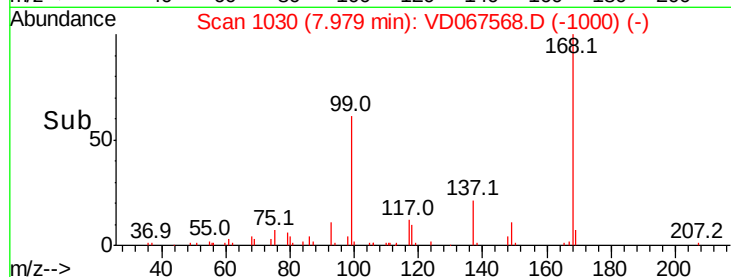
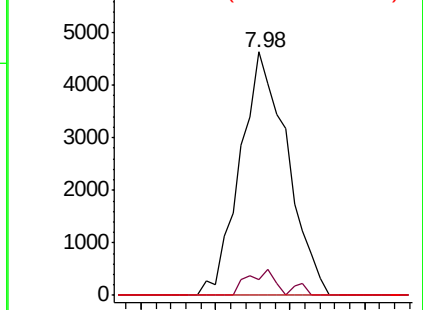
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 56.040 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067568.D

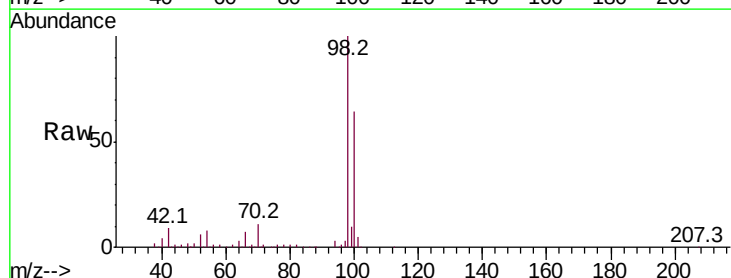
Acq: 09 Nov 2020 16:18

Tgt Ion: 98 Resp: 182332

Ion Ratio Lower Upper

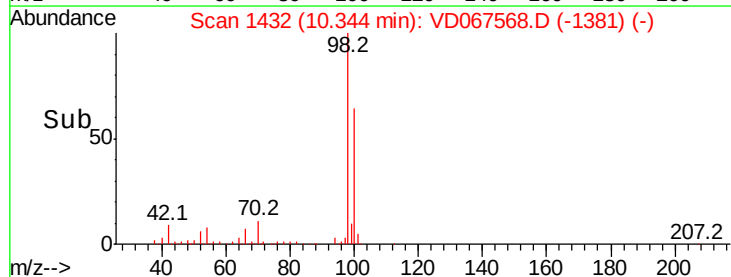
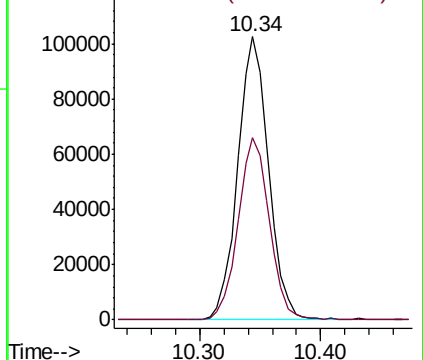
98 100

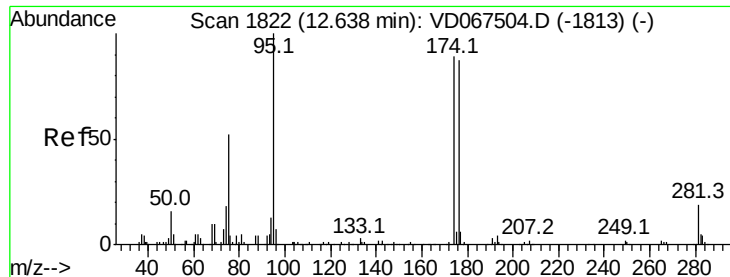
100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

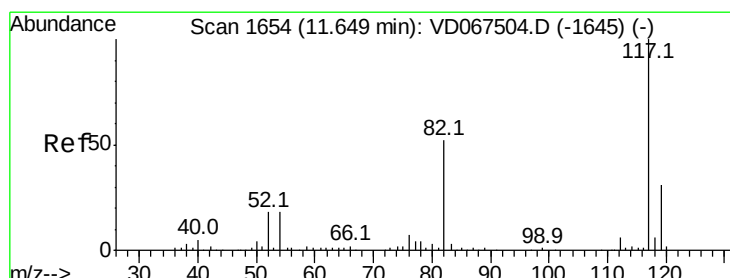
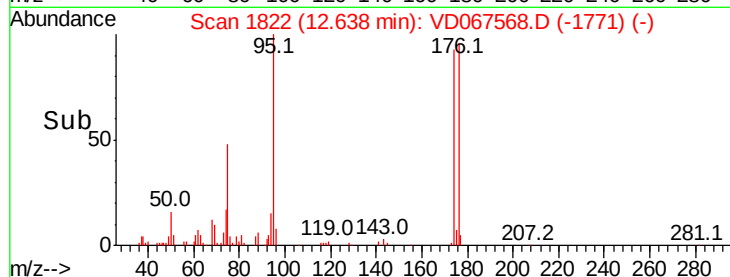
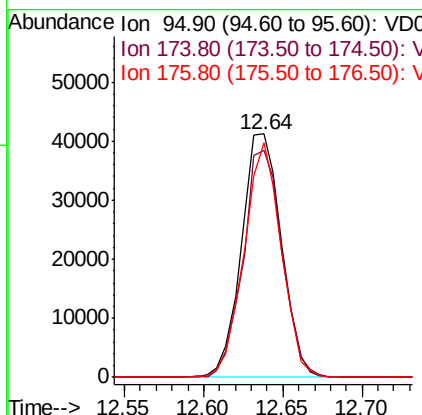
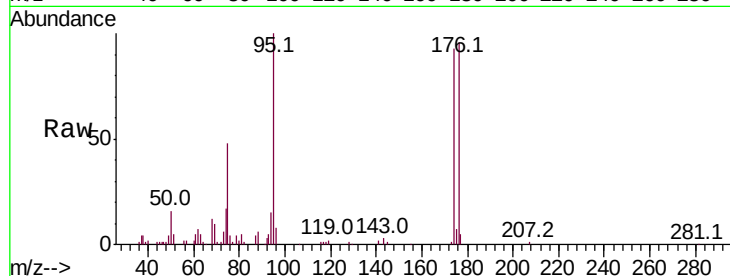




#62  
4-Bromofluorobenzene  
Concen: 64.135 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD067568.D  
Acq: 09 Nov 2020 16:18

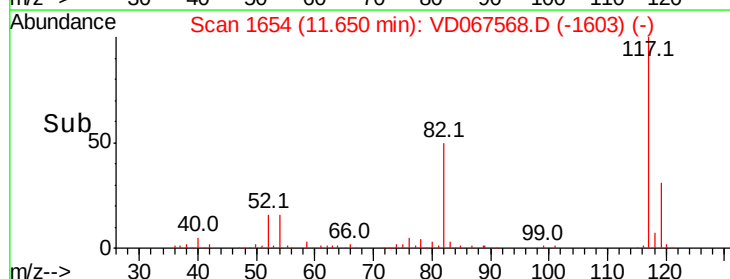
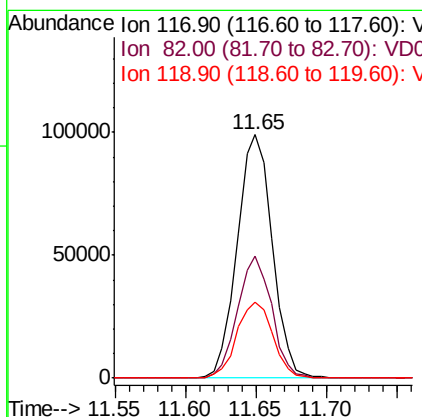
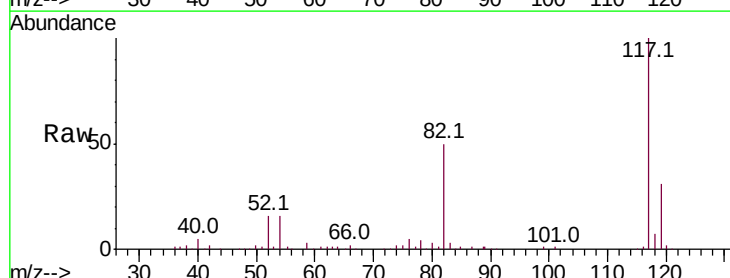
Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion: 95 Resp: 72042  
Ion Ratio Lower Upper  
95 100  
174 91.4 0.0 177.8  
176 89.4 0.0 172.0

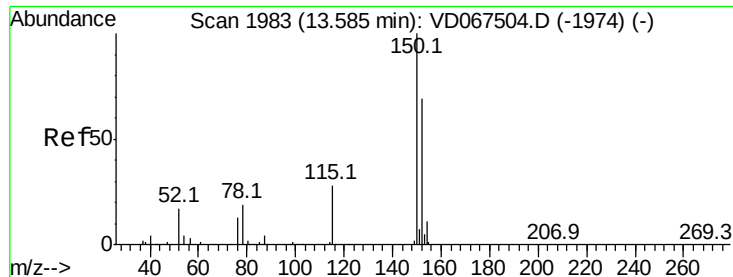


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD067568.D  
Acq: 09 Nov 2020 16:18

Tgt Ion: 117 Resp: 172346  
Ion Ratio Lower Upper  
117 100  
82 49.9 41.6 62.4  
119 31.4 25.1 37.7







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067568.D

Acq: 09 Nov 2020 16:18

Instrument :

MSVOA\_D

ClientSampleId :

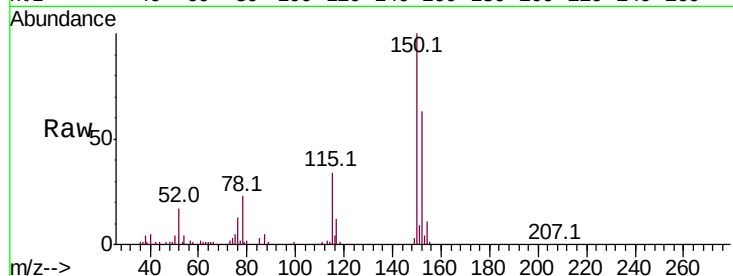
Tot Ion:152 Resp: 86554

Ion Ratio Lower Upper

152 100

115 58.5 29.3 88.0

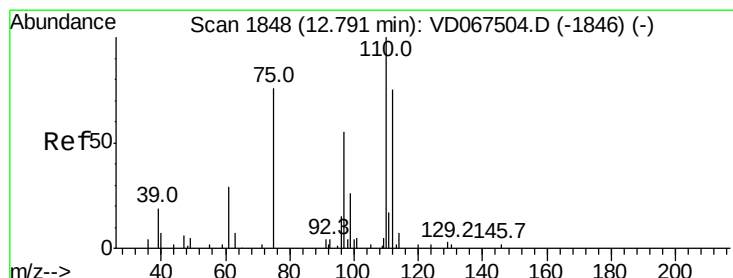
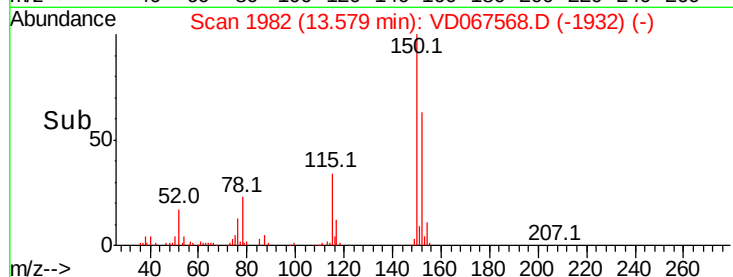
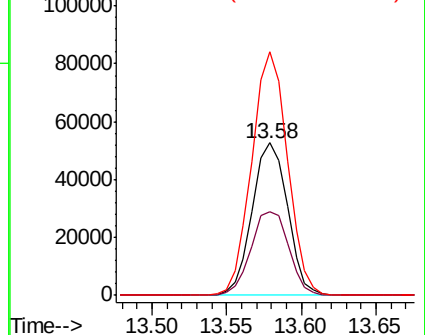
150 160.7 0.0 338.2



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



#76

1,2,3-Trichloropropane

Concen: 69.228 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD067568.D

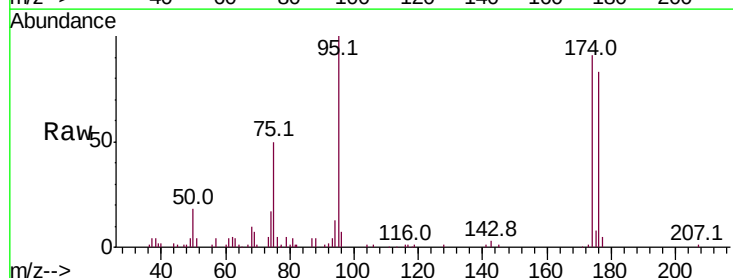
Acq: 09 Nov 2020 16:18

Tgt Ion: 75 Resp: 36147

Ion Ratio Lower Upper

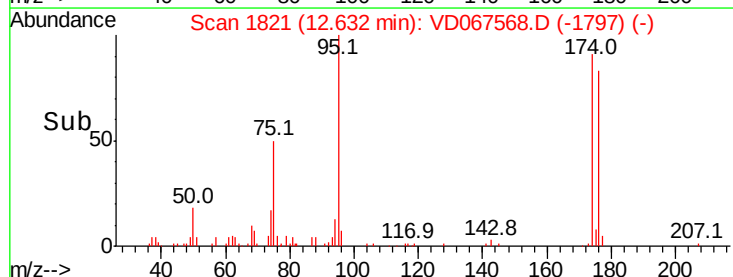
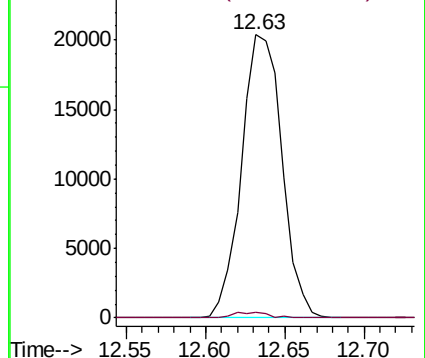
75 100

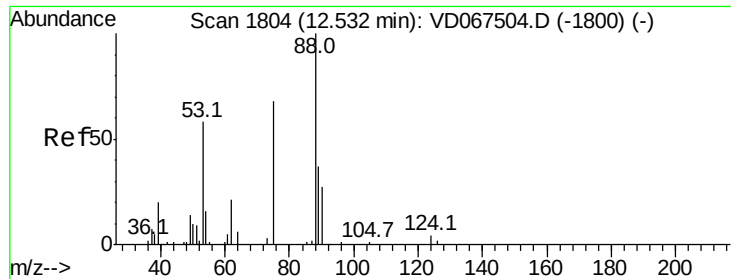
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 140.552 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD067568.D

Acq: 09 Nov 2020 16:18

Instrument :

MSVOA\_D

ClientSampleId :

Tot Ion: 75 Resp: 36147

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.0 44.6 67.0#

