

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
 Data File : VD067042.D  
 Acq On : 02 Oct 2020 18:15  
 Operator : VA/SY  
 Sample : L4198-28  
 Misc : 6.04G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RO-19

Quant Time: Oct 03 05:26:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 15:19:17 2020  
 Response via : Initial Calibration

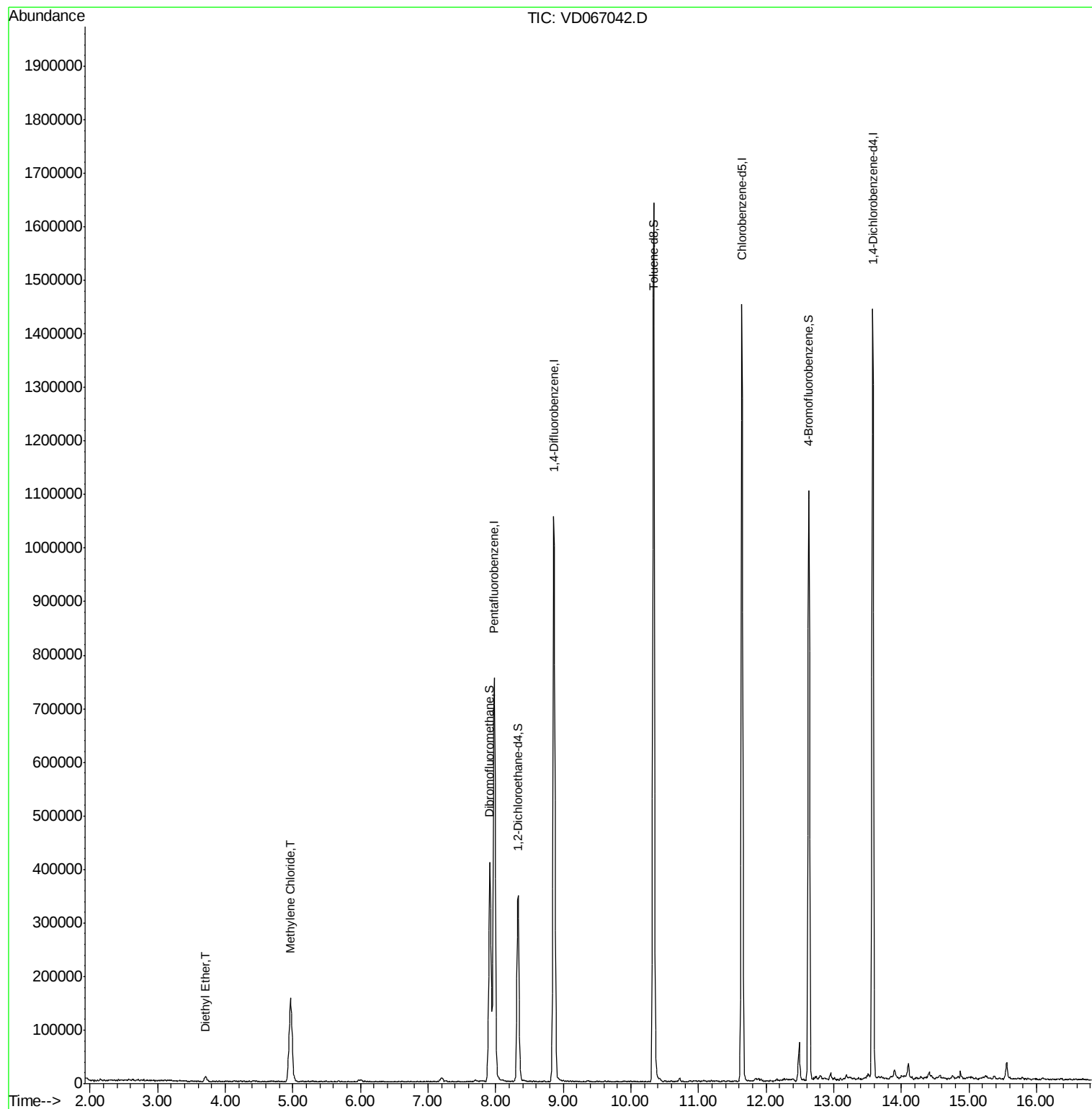
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 562478   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 950811   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 866887   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 405751   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 275333   | 50.82  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.64% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 297940   | 47.86  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.72%  |          |
| 50) Toluene-d8              | 10.34 | 98   | 1120337  | 49.39  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.78%  |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 376104   | 48.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.68%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 8) Diethyl Ether            | 3.71  | 74   | 5544     | 2.240  | ug/l    | 95       |
| 20) Methylene Chloride      | 4.96  | 84   | 126538   | 16.719 | ug/l    | 91       |

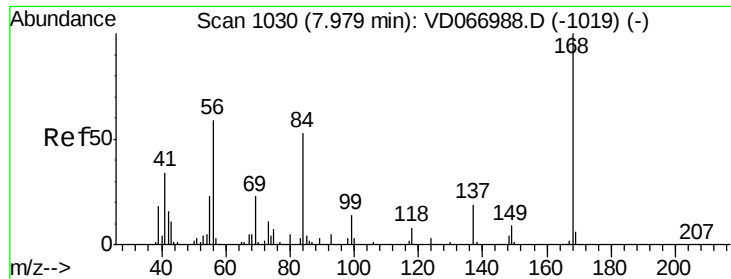
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
Data File : VD067042.D  
Acq On : 02 Oct 2020 18:15  
Operator : VA/SY  
Sample : L4198-28  
Misc : 6.04G/5.00ml/MSVOA D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-19

Quant Time: Oct 03 05:26:10 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 01 15:19:17 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067042.D

Acq: 02 Oct 2020 18:15

Instrument :

MSVOA\_D

ClientSampleId :

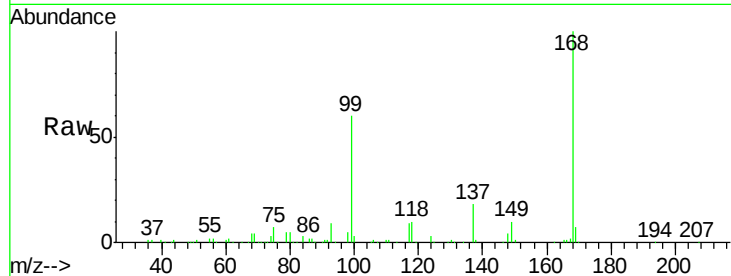
RO-19

Tot Ion:168 Resp: 562478

Ion Ratio Lower Upper

168 100

99 59.5 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

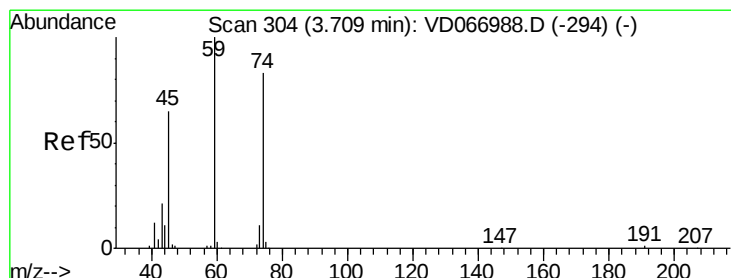
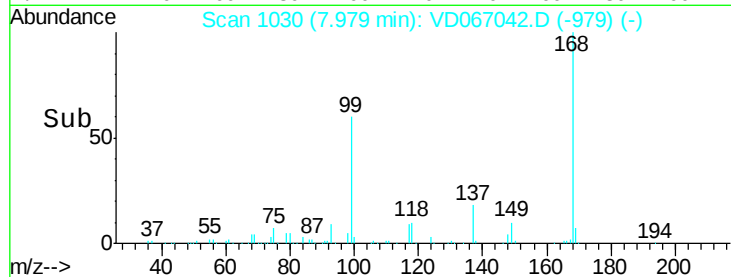
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.240 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD067042.D

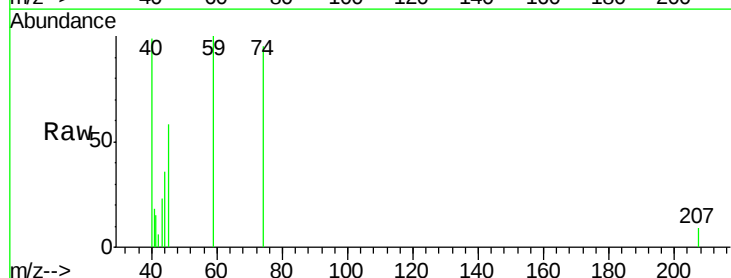
Acq: 02 Oct 2020 18:15

Tgt Ion: 74 Resp: 5544

Ion Ratio Lower Upper

74 100

45 81.3 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

2500

2000

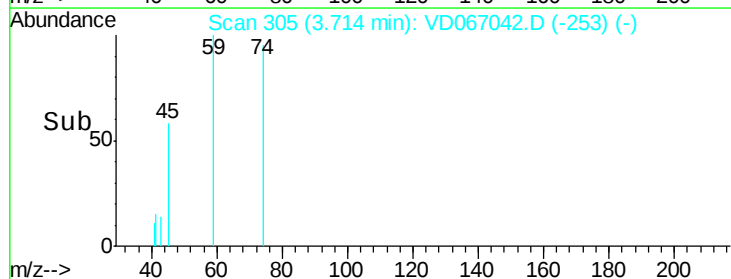
1500

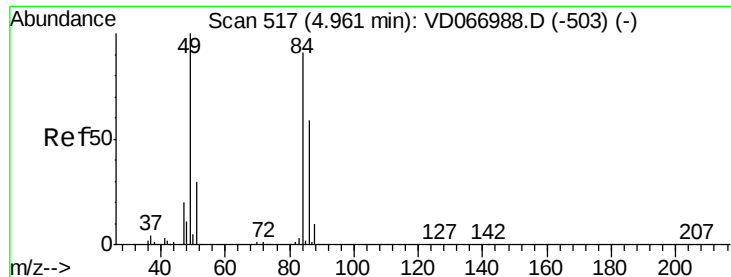
1000

500

0

Time-->

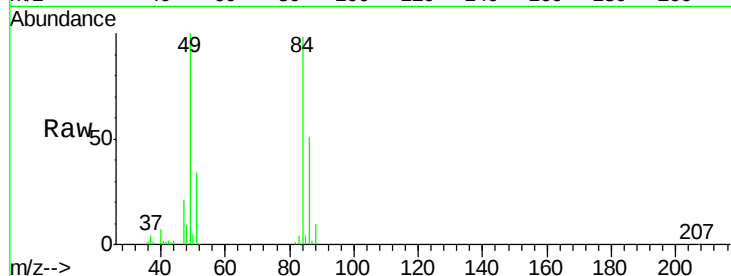




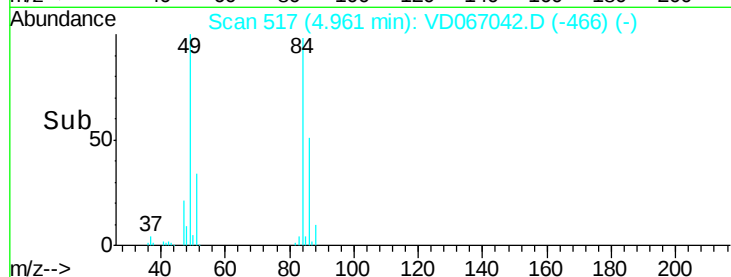
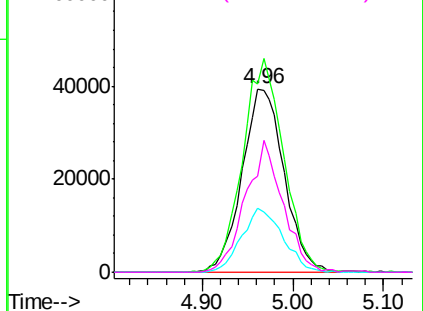
#20  
Methylene Chloride  
Concen: 16.719 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. 0.00 min  
Lab File: VD067042.D  
Acq: 02 Oct 2020 18:15

Instrument :  
MSVOA\_D  
ClientSampled :  
RO-19

Tot Ion: 84 Resp: 126538  
Ion Ratio Lower Upper  
84 100  
49 102.5 88.2 132.2  
51 34.9 26.6 39.8  
86 52.3 52.1 78.1

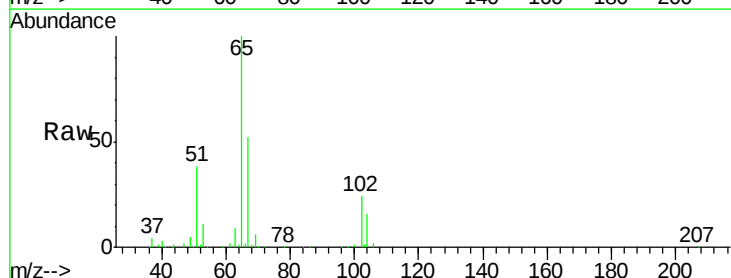
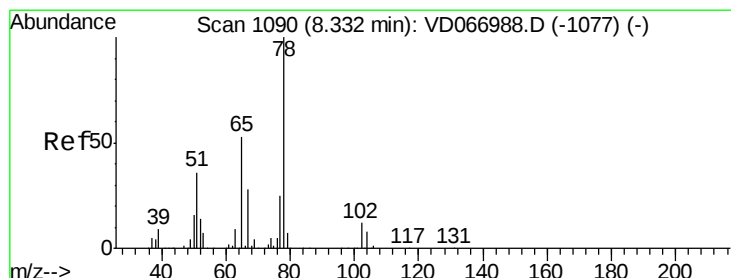


Abundance Ion 83.90 (83.60 to 84.60): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC

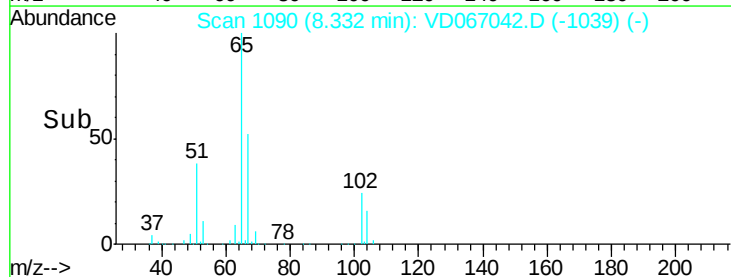
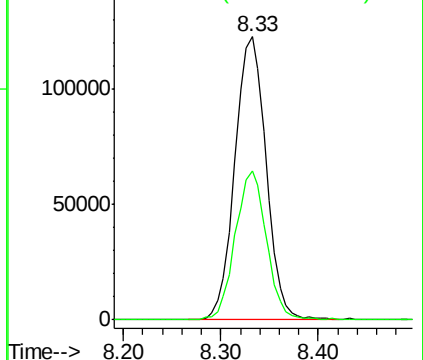


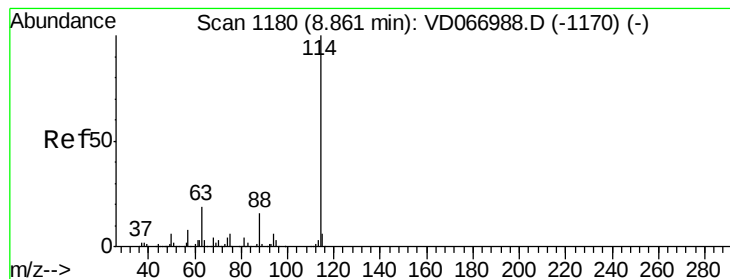
#33  
1,2-Dichloroethane-d4  
Concen: 50.820 ug/l  
RT: 8.33 min Scan# 1090  
Delta R.T. 0.00 min  
Lab File: VD067042.D  
Acq: 02 Oct 2020 18:15

Tgt Ion: 65 Resp: 275333  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC  
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067042.D

Acq: 02 Oct 2020 18:15

Instrument :

MSVOA\_D

ClientSampleId :

RO-19

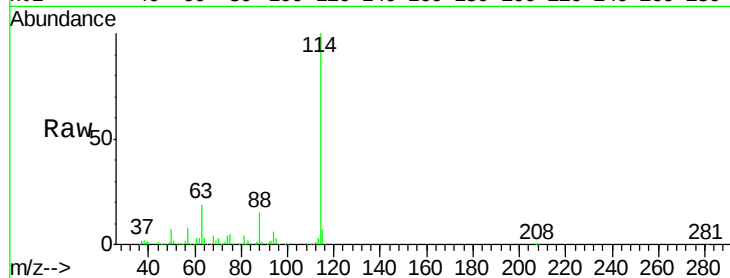
Tot Ion:114 Resp: 950811

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 14.8 0.0 31.2

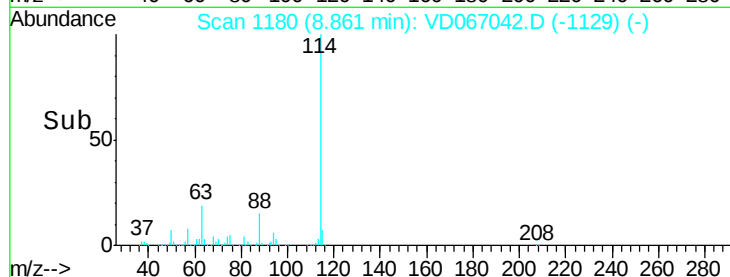


Abundance Ion 113.90 (113.60 to 114.60): V

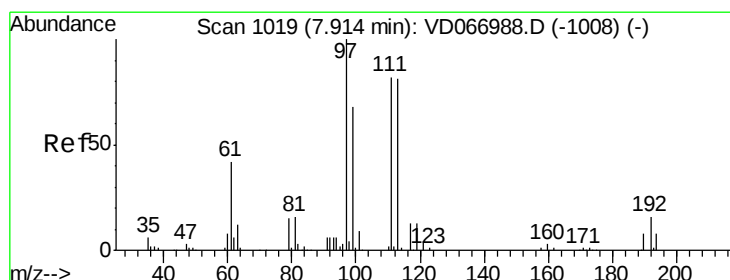
Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 47.864 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067042.D

Acq: 02 Oct 2020 18:15

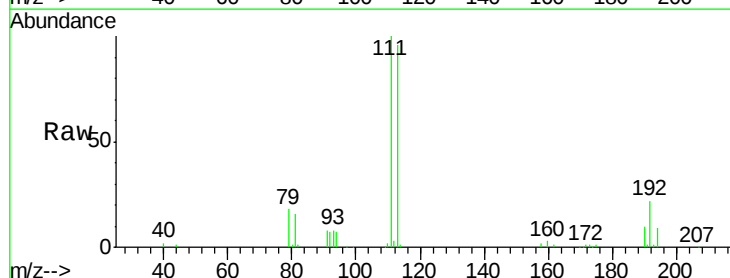
Tgt Ion:113 Resp: 297940

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

192 20.5 15.5 23.3

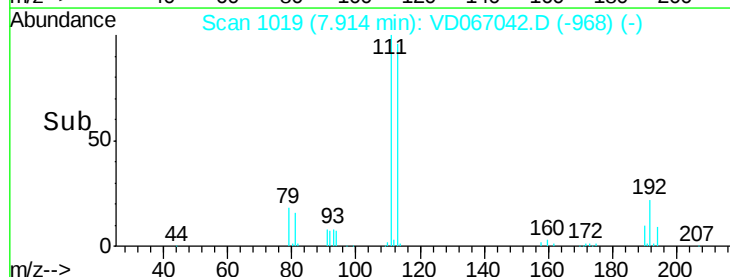


Abundance Ion 112.80 (112.50 to 113.50): V

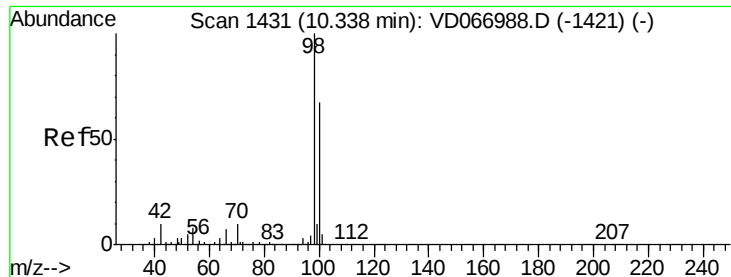
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



Time-->



#50

Toluene-d8

Concen: 49.392 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067042.D

Acq: 02 Oct 2020 18:15

Instrument :

MSVOA\_D

ClientSampleId :

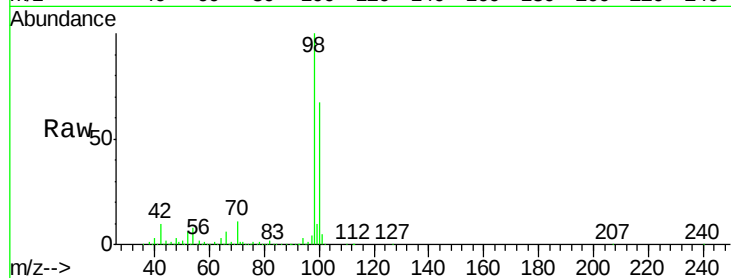
RO-19

Tot Ion: 98 Resp: 1120337

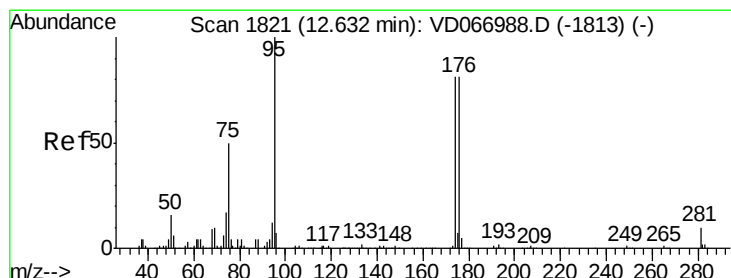
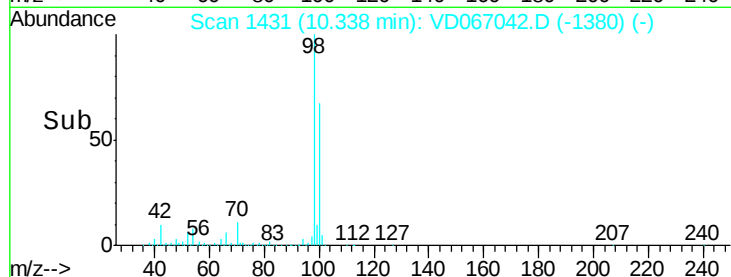
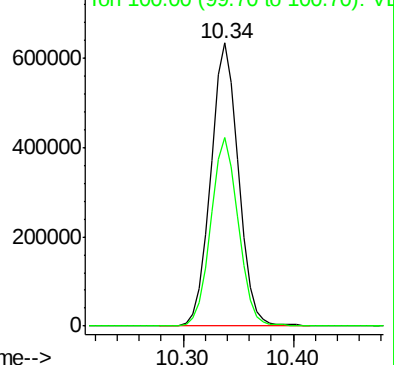
Ion Ratio Lower Upper

98 100

100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VD066988.D (-1421) (-)



#62

4-Bromofluorobenzene

Concen: 48.844 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067042.D

Acq: 02 Oct 2020 18:15

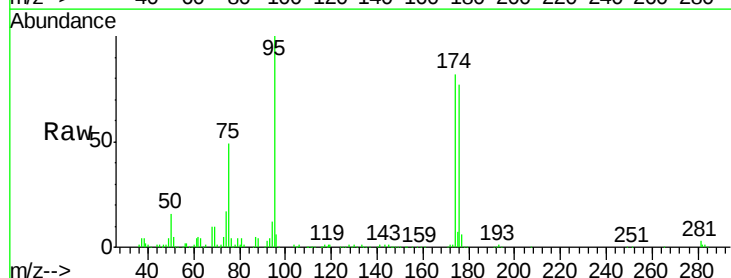
Tgt Ion: 95 Resp: 376104

Ion Ratio Lower Upper

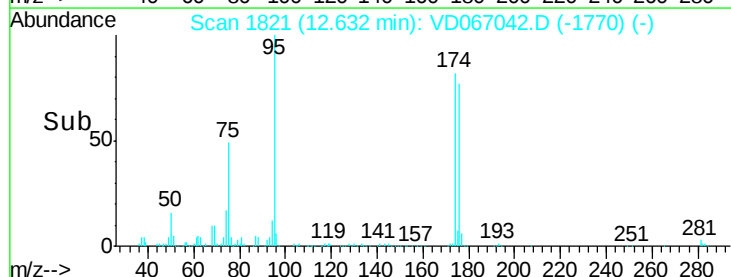
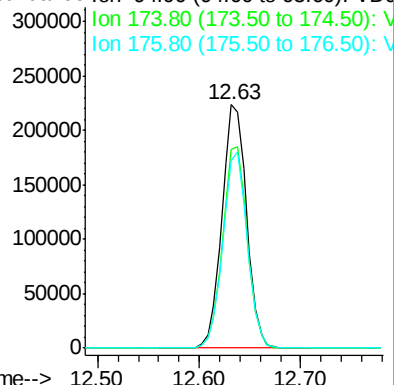
95 100

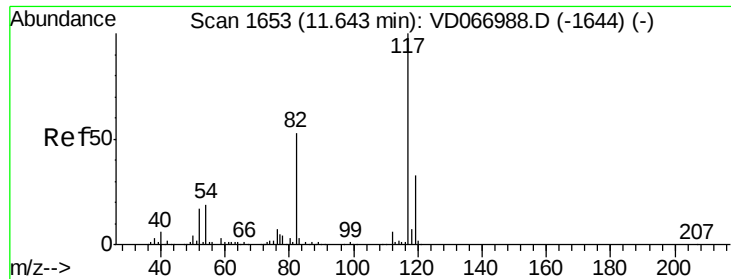
174 82.7 0.0 167.6

176 79.7 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): VD066988.D (-1813) (-)

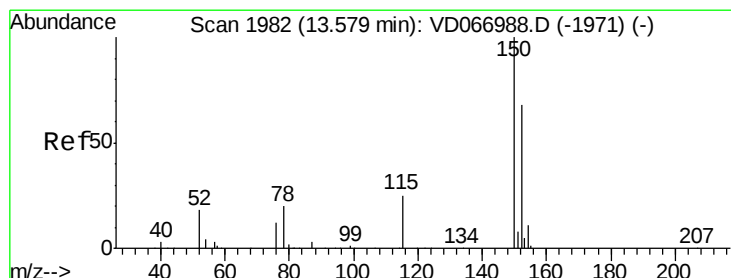
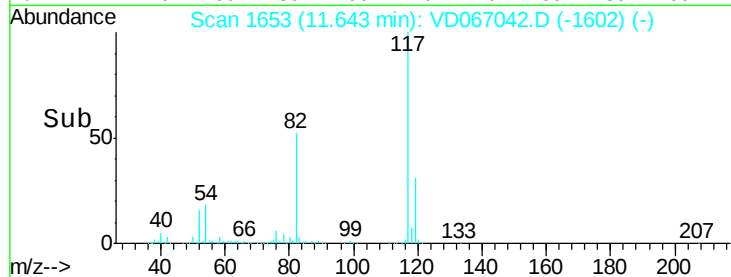
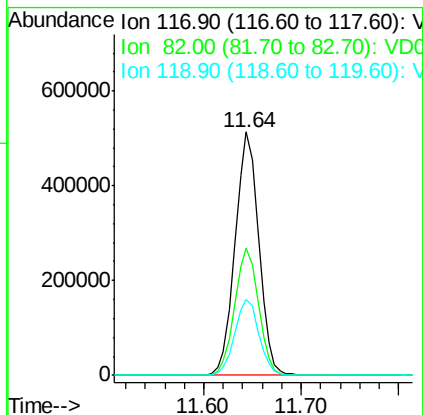
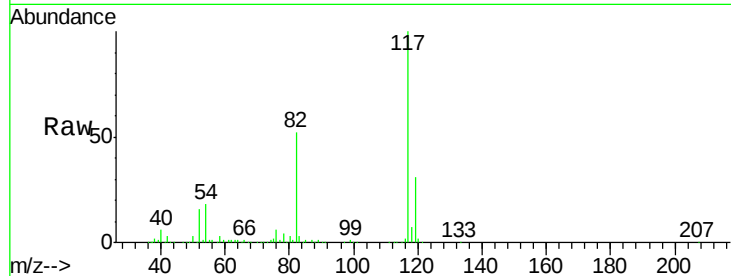




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD067042.D  
Acq: 02 Oct 2020 18:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-19

Tot Ion:117 Resp: 866887  
Ion Ratio Lower Upper  
117 100  
82 52.3 42.6 63.8  
119 31.4 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD067042.D  
Acq: 02 Oct 2020 18:15

Tgt Ion:152 Resp: 405751  
Ion Ratio Lower Upper  
152 100  
115 58.5 29.6 88.8  
150 156.7 0.0 344.8

