

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\  
 Data File : VD067586.D  
 Acq On : 10 Nov 2020 16:55  
 Operator : VA/SY  
 Sample : L4680-07RE  
 Misc : 7.54G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PAV-B7-110920-19-20RE

Quant Time: Nov 11 00:58:12 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  | 256712   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 421703   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 449565   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 243300   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 144387   | 64.32  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 128.64% |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 140490   | 55.29  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 110.58% |          |
| 50) Toluene-d8              | 10.34 | 98   | 501658   | 56.18  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 112.36% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 198578   | 64.42  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 128.84% |          |

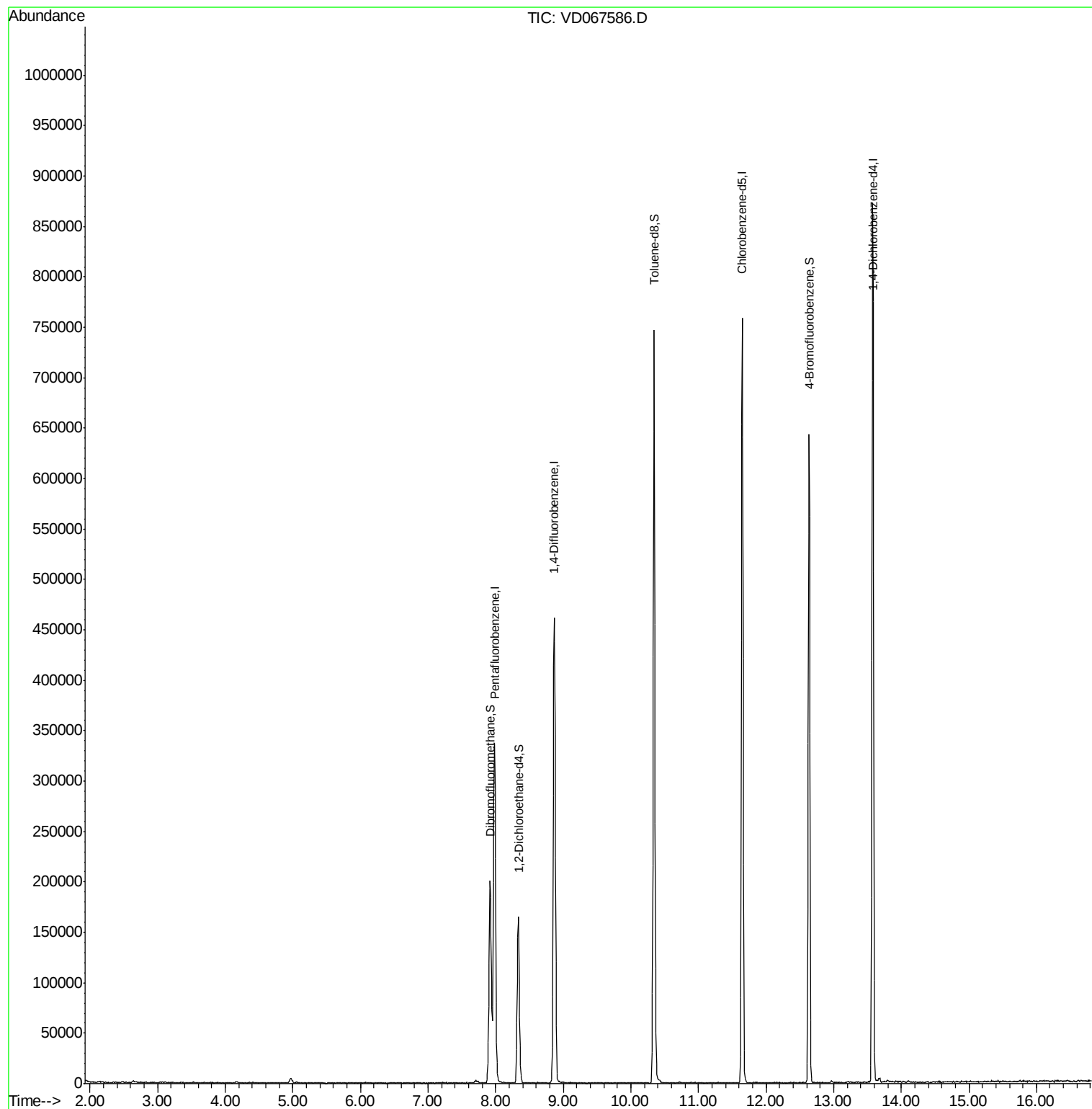
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

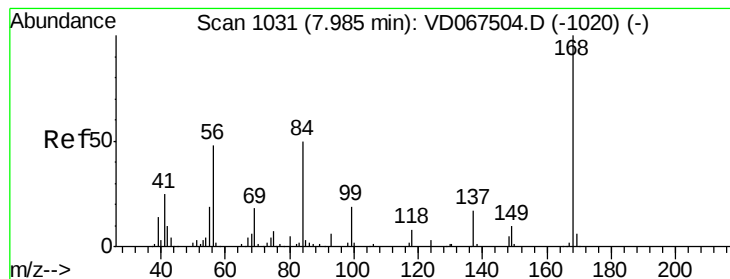
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111020\  
Data File : VD067586.D  
Acq On : 10 Nov 2020 16:55  
Operator : VA/SY  
Sample : L4680-07RE  
Misc : 7.54G/5.00ml/MSVOA D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
PAV-B7-110920-19-20RE

Quant Time: Nov 11 00:58:12 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: VD067586.D

Acq: 10 Nov 2020 16:55

Instrument :

MSVOA\_D

ClientSampleId :

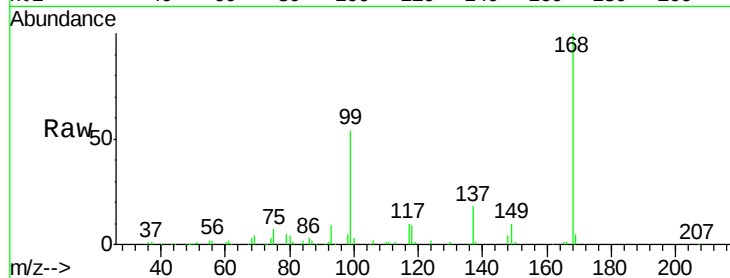
PAV-B7-110920-19-20RE

Tot Ion:168 Resp: 256712

Ion Ratio Lower Upper

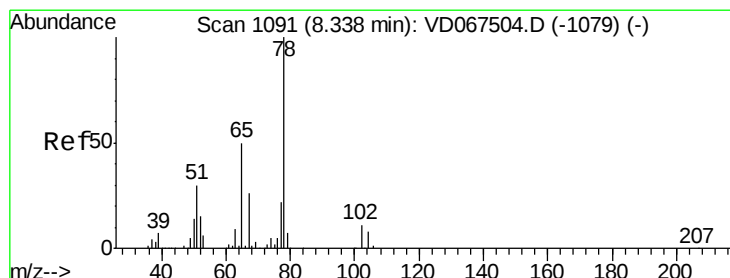
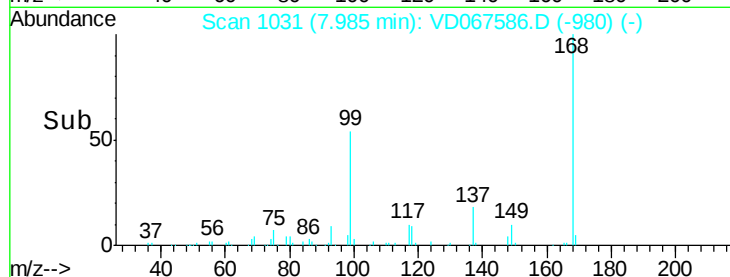
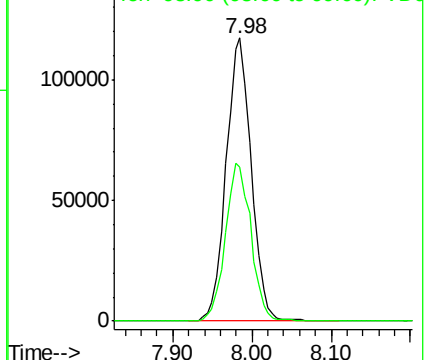
168 100

99 54.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 64.325 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067586.D

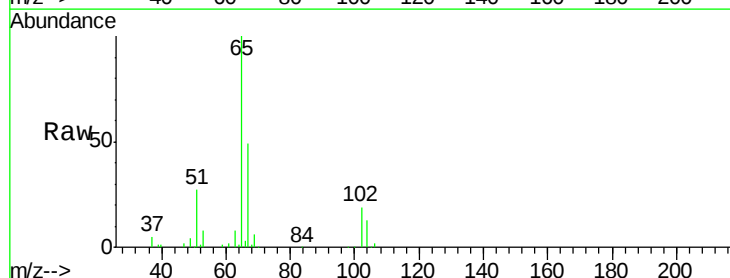
Acq: 10 Nov 2020 16:55

Tgt Ion: 65 Resp: 144387

Ion Ratio Lower Upper

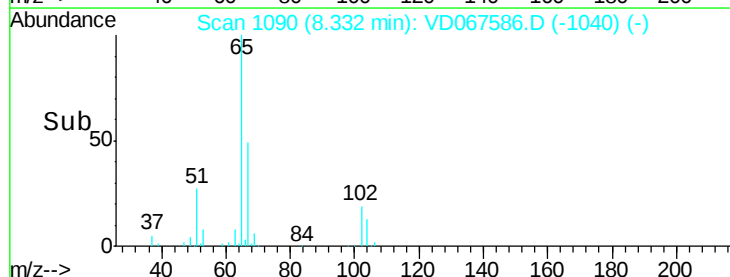
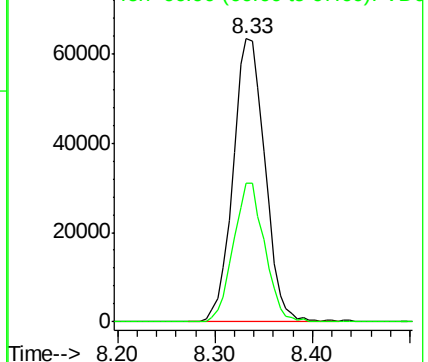
65 100

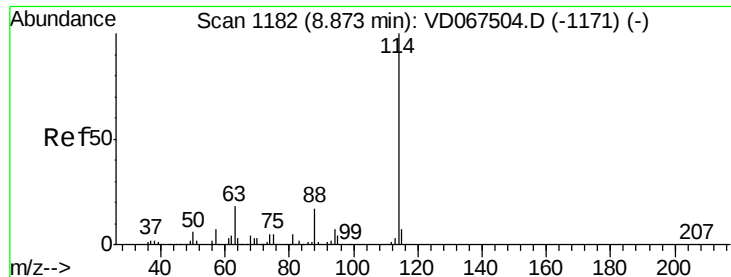
67 48.3 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

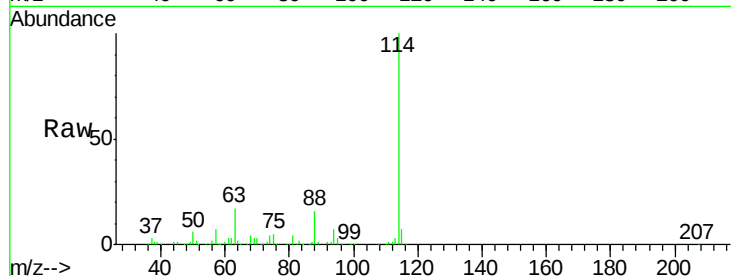




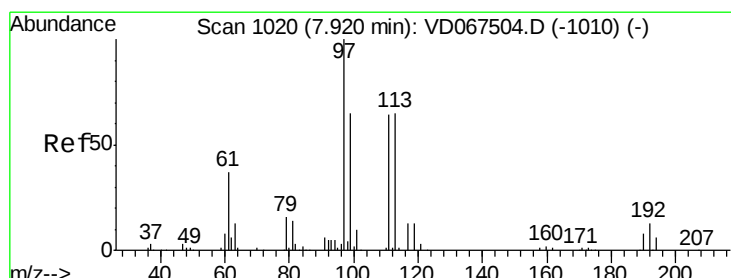
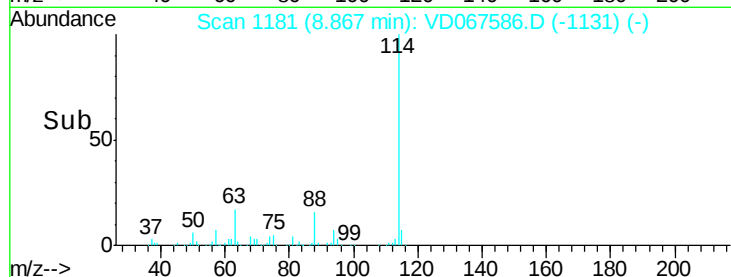
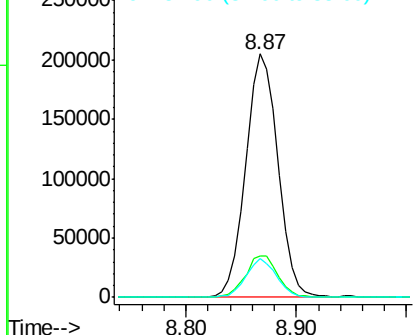
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.87 min Scan# 1181  
Delta R.T. -0.01 min  
Lab File: VD067586.D  
Acq: 10 Nov 2020 16:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
PAV-B7-110920-19-20RE

Tot Ion:114 Resp: 421703  
Ion Ratio Lower Upper  
114 100  
63 17.1 0.0 35.0  
88 15.8 0.0 33.0

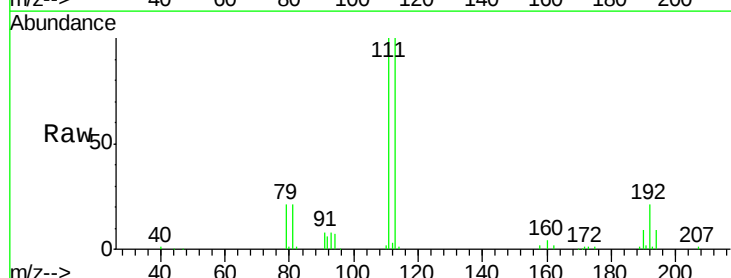


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): V  
Ion 87.90 (87.60 to 88.60): V

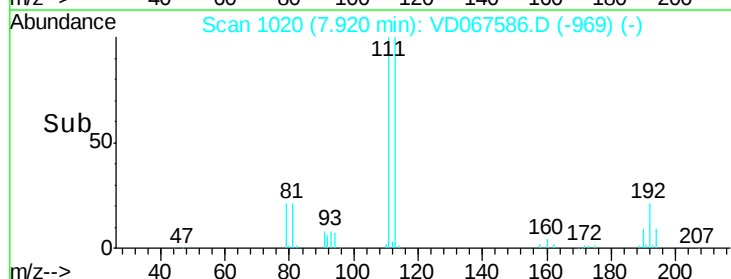
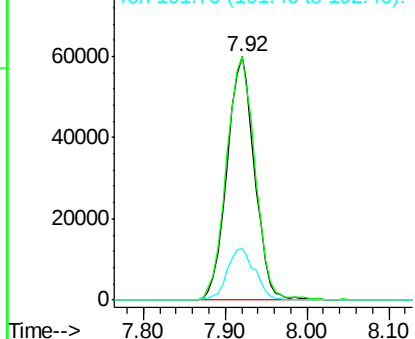


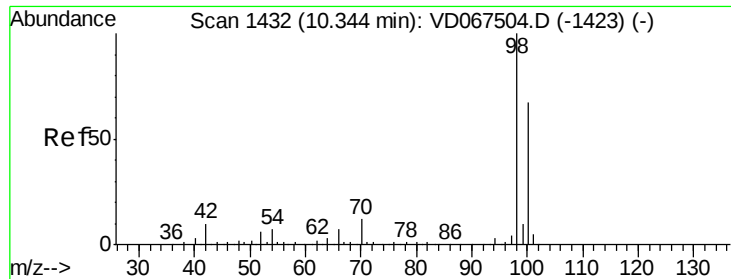
#35  
Dibromofluoromethane  
Concen: 55.295 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: VD067586.D  
Acq: 10 Nov 2020 16:55

Tgt Ion:113 Resp: 140490  
Ion Ratio Lower Upper  
113 100  
111 102.8 80.0 120.0  
192 21.5 16.3 24.5



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

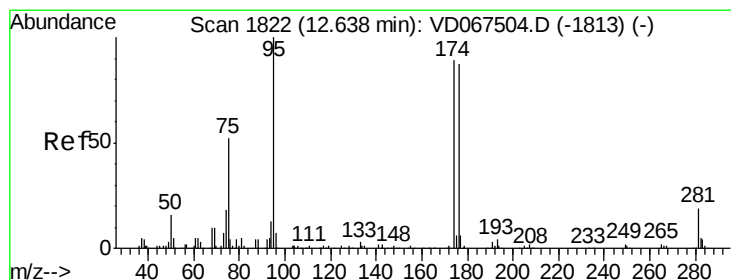
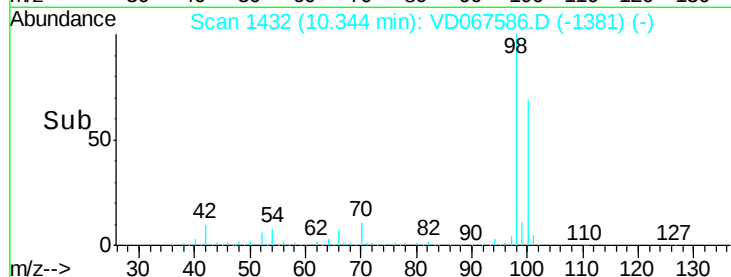
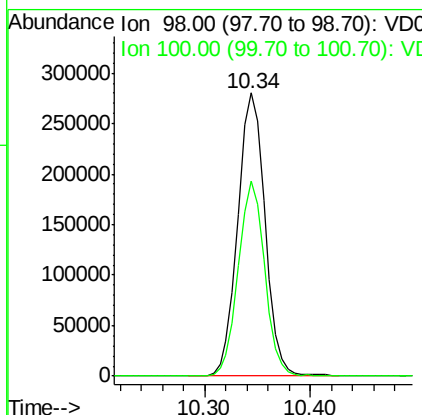
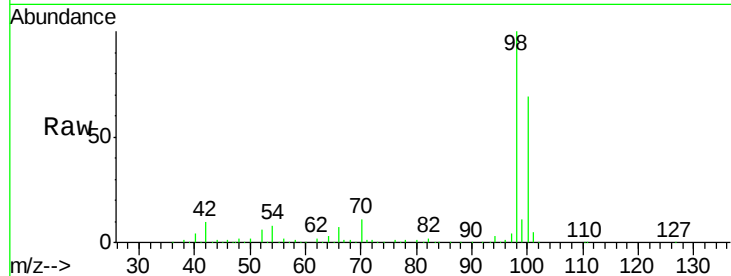




#50  
Toluene-d8  
Concen: 56.184 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD067586.D  
Acq: 10 Nov 2020 16:55

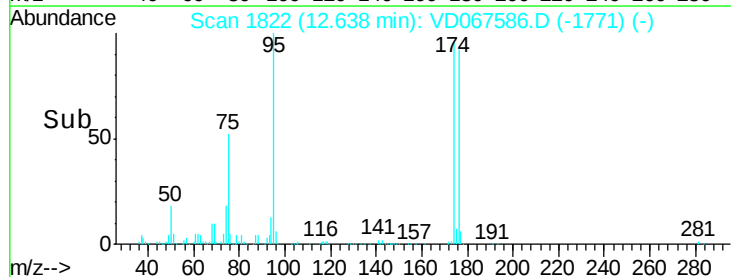
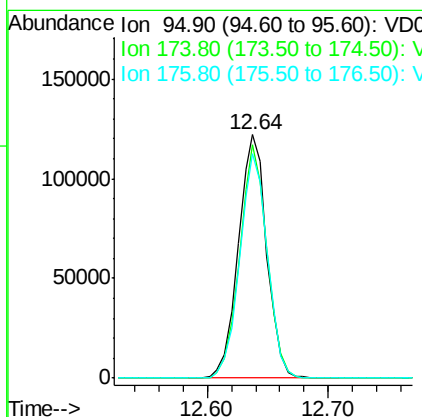
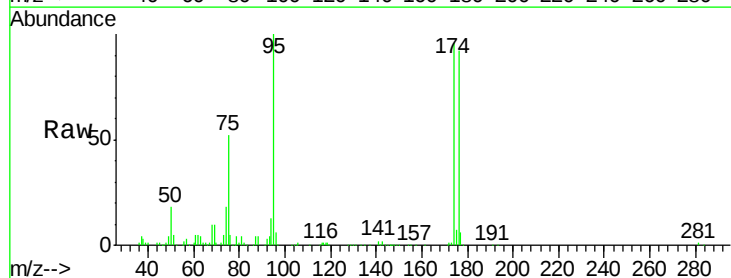
Instrument :  
MSVOA\_D  
ClientSampleId :  
PAV-B7-110920-19-20RE

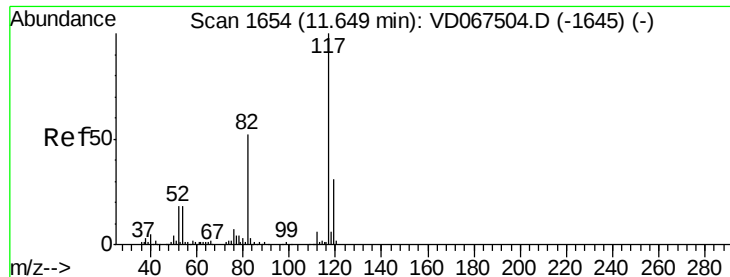
Tot Ion: 98 Resp: 501658  
Ion Ratio Lower Upper  
98 100  
100 66.7 53.0 79.6



#62  
4-Bromofluorobenzene  
Concen: 64.418 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VD067586.D  
Acq: 10 Nov 2020 16:55

Tgt Ion: 95 Resp: 198578  
Ion Ratio Lower Upper  
95 100  
174 92.5 0.0 177.8  
176 90.4 0.0 172.0

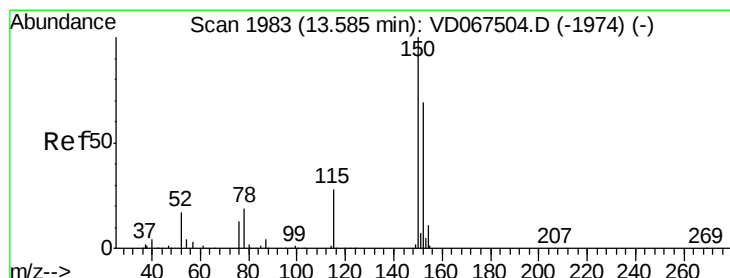
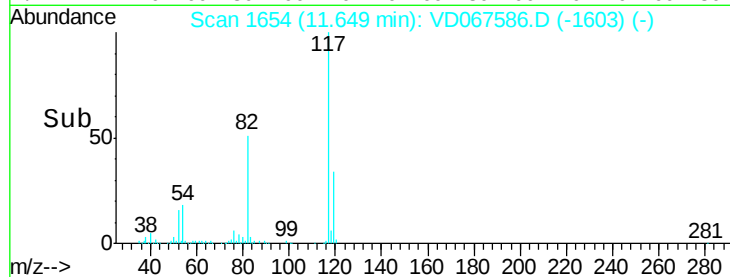
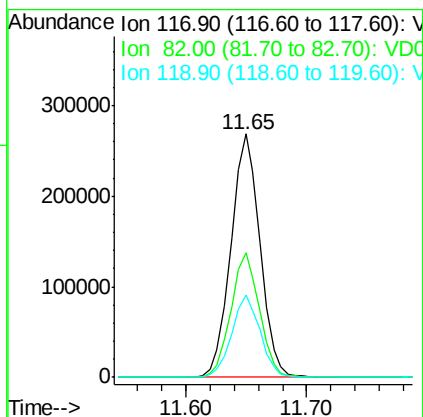
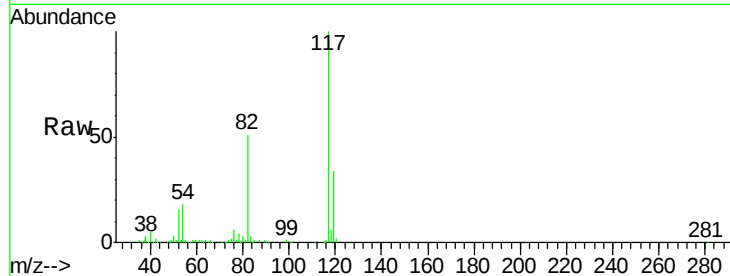




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD067586.D  
Acq: 10 Nov 2020 16:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
PAV-B7-110920-19-20RE

Tot Ion:117 Resp: 449565  
Ion Ratio Lower Upper  
117 100  
82 51.0 41.6 62.4  
119 34.0 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: VD067586.D  
Acq: 10 Nov 2020 16:55

Tgt Ion:152 Resp: 243300  
Ion Ratio Lower Upper  
152 100  
115 56.8 29.3 88.0  
150 154.0 0.0 338.2

