

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\  
 Data File : VD067078.D  
 Acq On : 05 Oct 2020 12:46  
 Operator : VA/SY  
 Sample : L4230-07  
 Misc : 7.46G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 24702

Quant Time: Oct 06 07:39:07 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

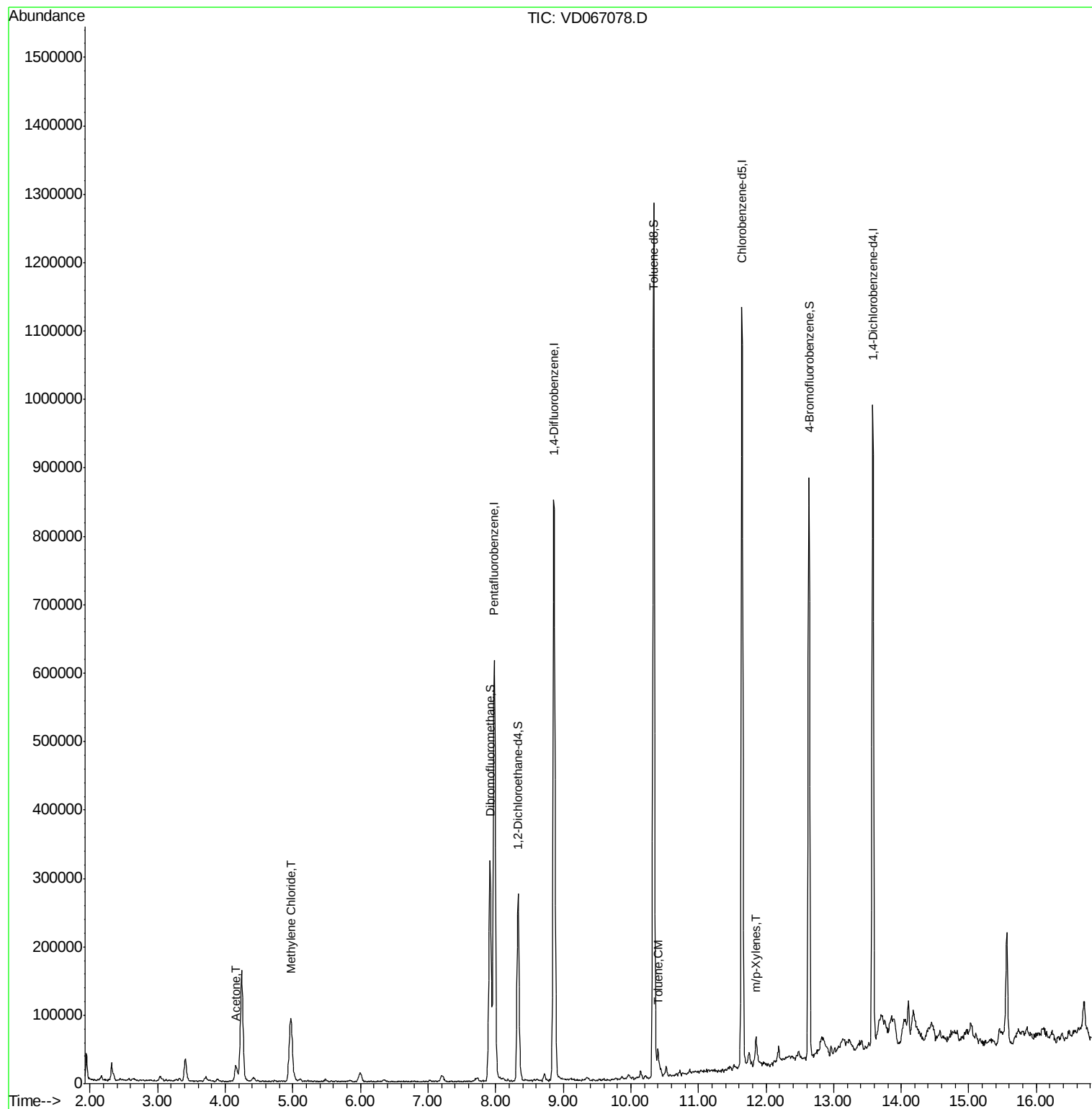
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 474392   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 766709   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 681007   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 266898   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 214297   | 46.90  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.80% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 237899   | 47.39  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.78% |          |
| 50) Toluene-d8              | 10.34 | 98   | 879789   | 48.10  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.20% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 286545   | 46.15  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.30% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 4.16  | 43   | 43009    | 61.661 | ug/l   | 95       |
| 20) Methylene Chloride      | 4.97  | 84   | 79594    | 10.305 | ug/l   | 97       |
| 52) Toluene                 | 10.40 | 92   | 14393    | 1.126  | ug/l   | 95       |
| 68) m/p-Xylenes             | 11.84 | 106  | 14800    | 1.636  | ug/l   | 88       |

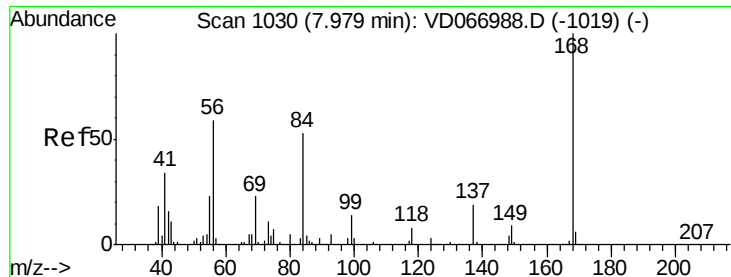
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100520\  
Data File : VD067078.D  
Acq On : 05 Oct 2020 12:46  
Operator : VA/SY  
Sample : L4230-07  
Misc : 7.46G/5.00ml/MSVOA D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
24702

Quant Time: Oct 06 07:39:07 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: VD067078.D

Acq: 05 Oct 2020 12:46

Instrument :

MSVOA\_D

ClientSampleId :

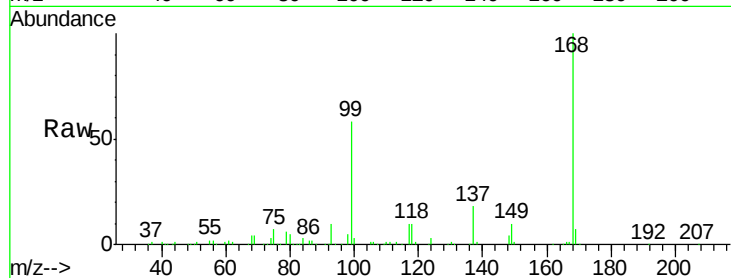
24702

Tot Ion:168 Resp: 474392

Ion Ratio Lower Upper

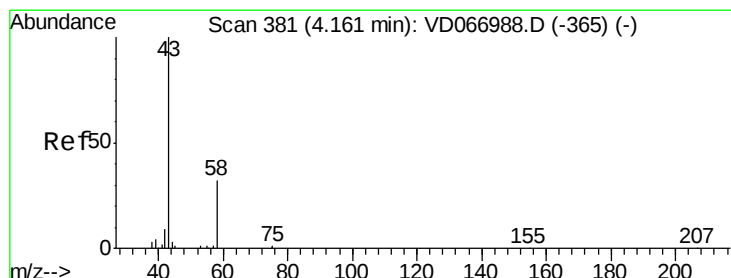
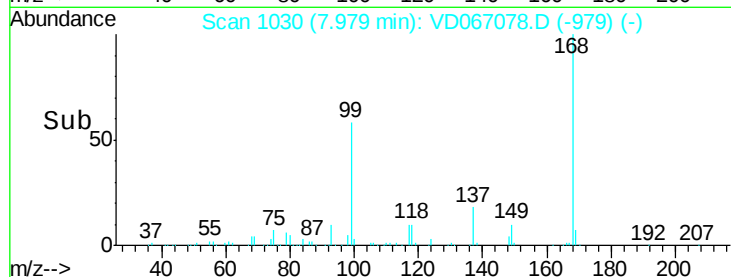
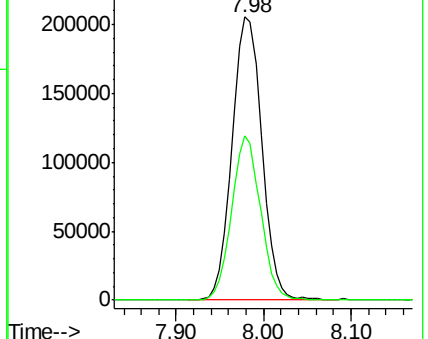
168 100

99 58.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 61.661 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067078.D

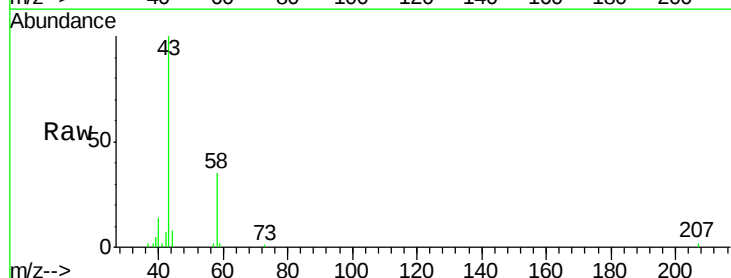
Acq: 05 Oct 2020 12:46

Tgt Ion: 43 Resp: 43009

Ion Ratio Lower Upper

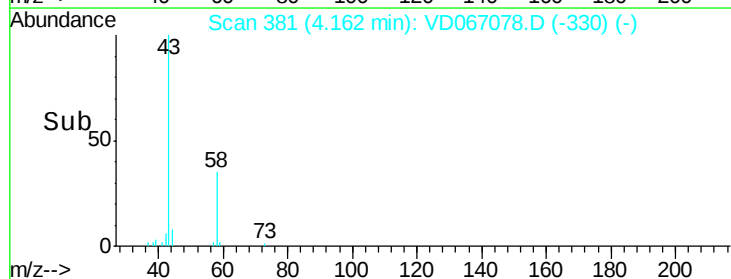
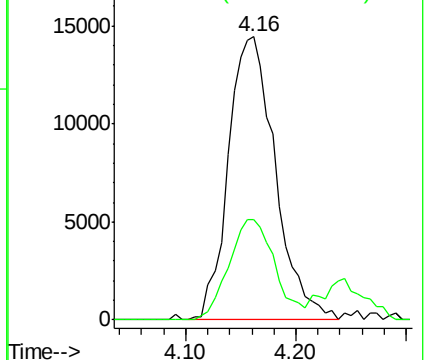
43 100

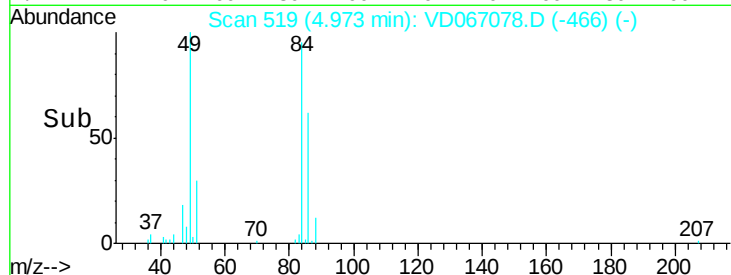
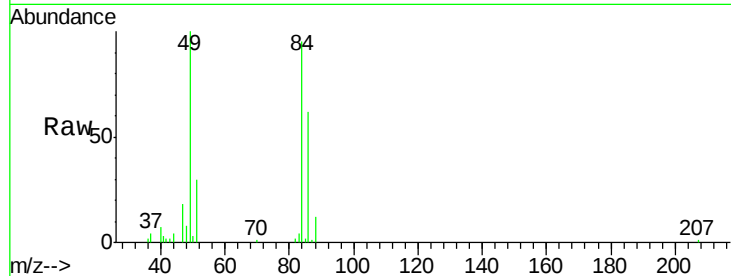
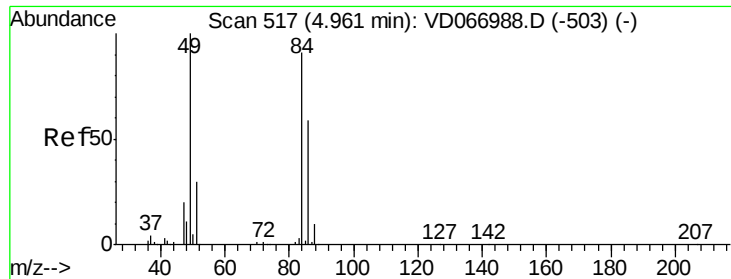
58 35.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

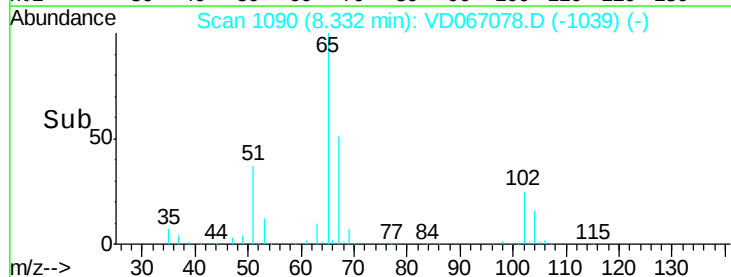
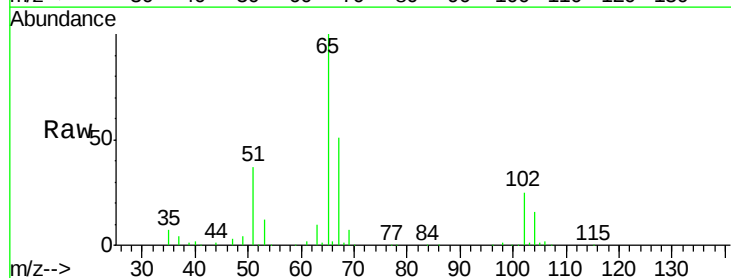
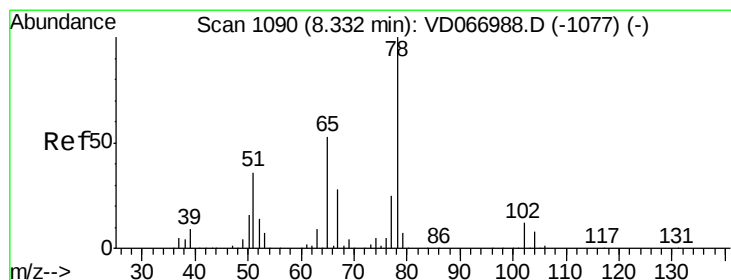
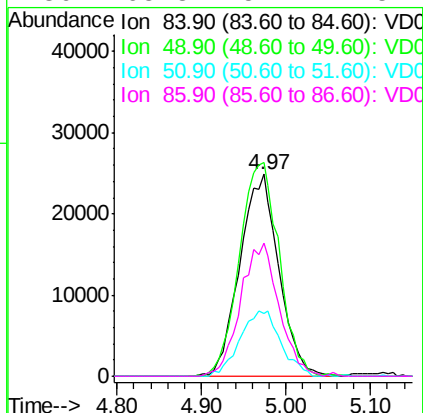




#20  
Methylene Chloride  
Concen: 10.305 ug/l  
RT: 4.97 min Scan# 519  
Delta R.T. 0.01 min  
Lab File: VD067078.D  
Acq: 05 Oct 2020 12:46

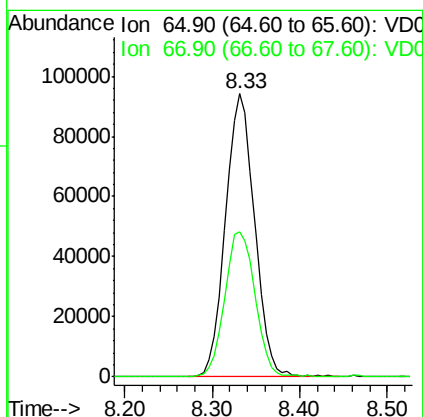
Instrument :  
MSVOA\_D  
ClientSampleId :  
24702

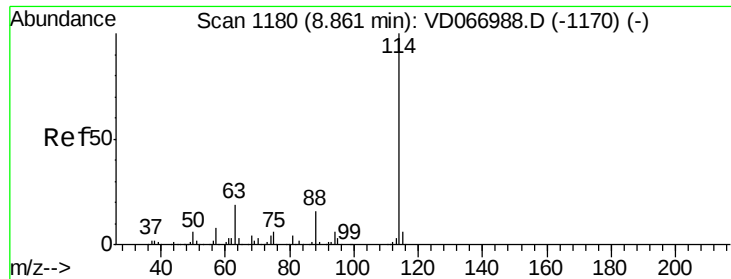
Tot Ion: 84 Resp: 79594  
Ion Ratio Lower Upper  
84 100  
49 105.7 88.2 132.2  
51 31.3 26.6 39.8  
86 65.8 52.1 78.1



#33  
1,2-Dichloroethane-d4  
Concen: 46.899 ug/l  
RT: 8.33 min Scan# 1090  
Delta R.T. 0.00 min  
Lab File: VD067078.D  
Acq: 05 Oct 2020 12:46

Tgt Ion: 65 Resp: 214297  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 106.8

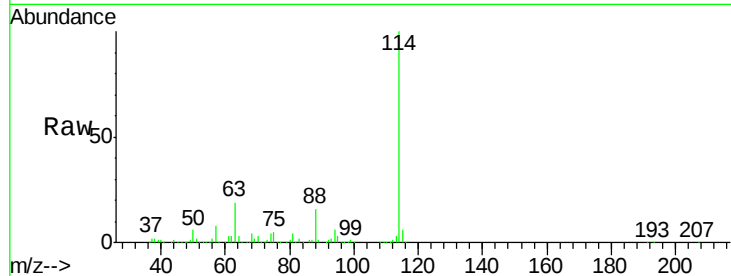




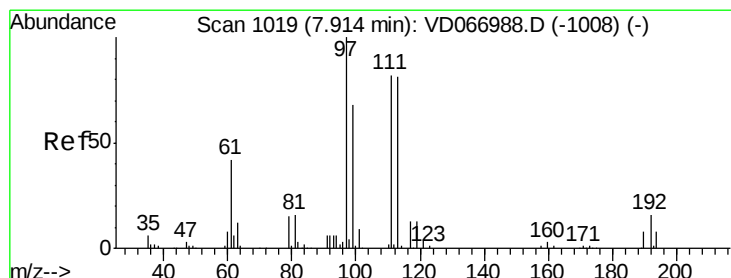
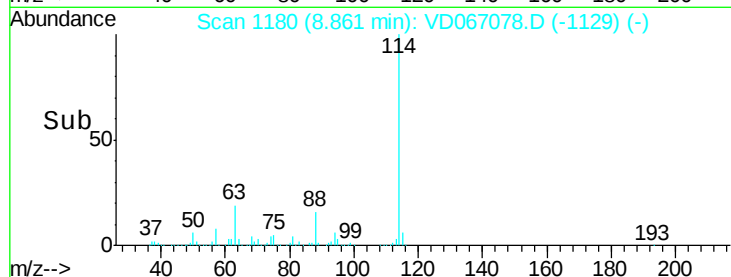
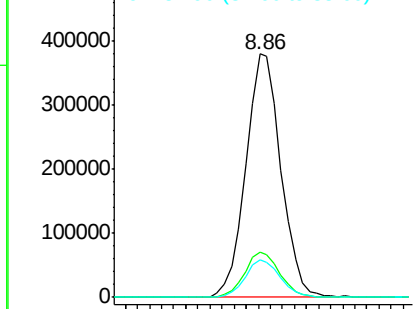
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.86 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: VD067078.D  
Acq: 05 Oct 2020 12:46

Instrument :  
MSVOA\_D  
ClientSampleId :  
24702

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.6  | 0.0   | 38.4  |
| 88      | 15.6  | 0.0   | 31.2  |

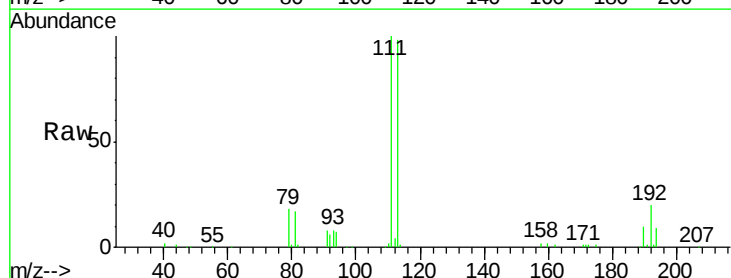


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): V  
Ion 87.90 (87.60 to 88.60): V

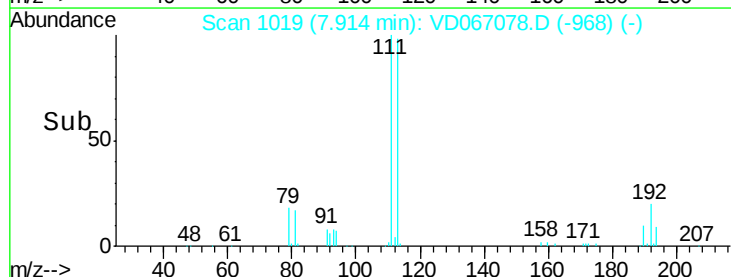
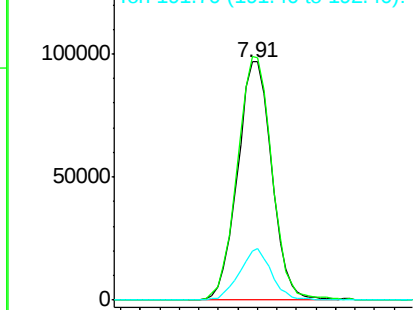


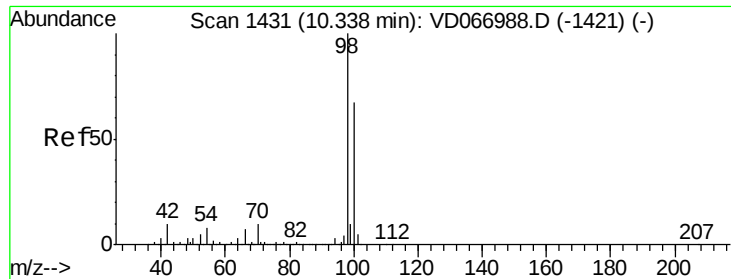
#35  
Dibromofluoromethane  
Concen: 47.395 ug/l  
RT: 7.91 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: VD067078.D  
Acq: 05 Oct 2020 12:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.3 | 83.0  | 124.4 |
| 192     | 20.3  | 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

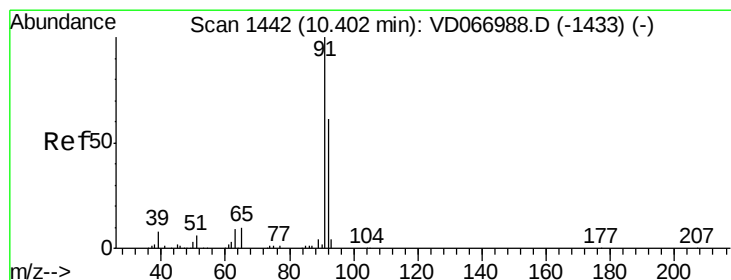
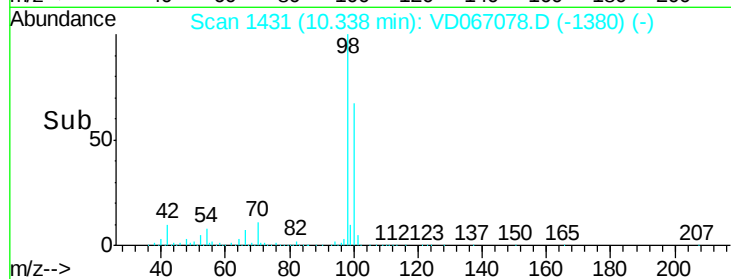
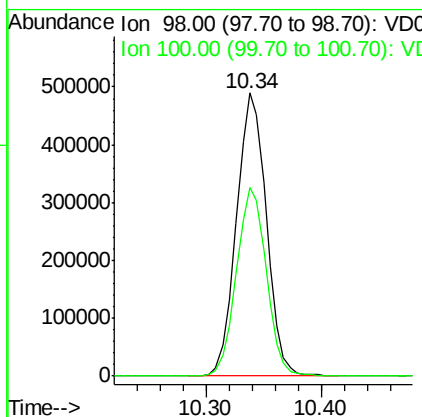
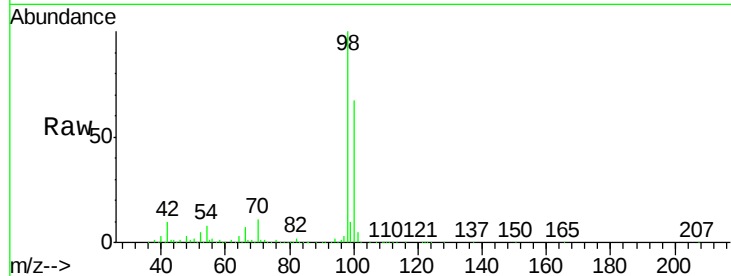




#50  
Toluene-d8  
Concen: 48.101 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VD067078.D  
Acq: 05 Oct 2020 12:46

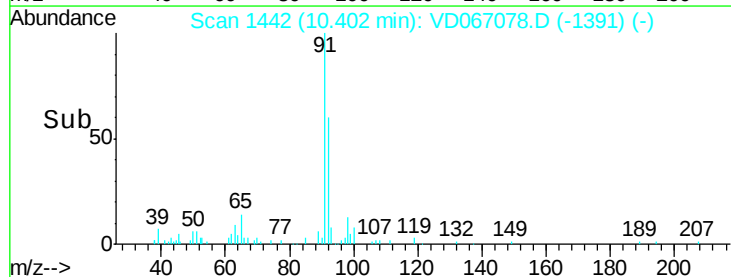
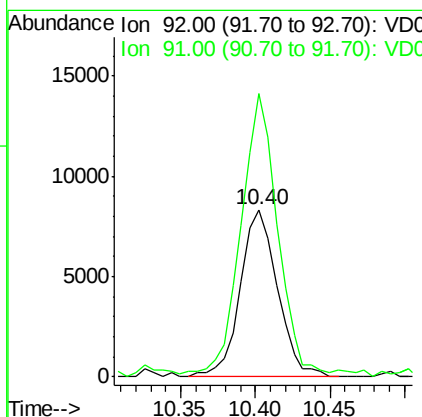
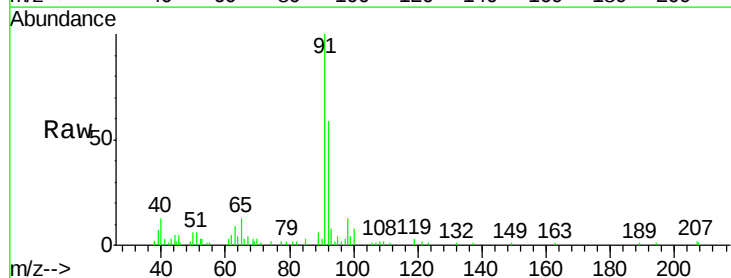
Instrument :  
MSVOA\_D  
ClientSampleId :  
24702

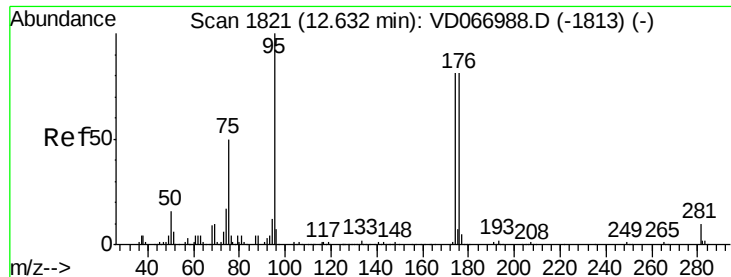
Tot Ion: 98 Resp: 879789  
Ion Ratio Lower Upper  
98 100  
100 66.9 52.8 79.2



#52  
Toluene  
Concen: 1.126 ug/l  
RT: 10.40 min Scan# 1442  
Delta R.T. 0.00 min  
Lab File: VD067078.D  
Acq: 05 Oct 2020 12:46

Tgt Ion: 92 Resp: 14393  
Ion Ratio Lower Upper  
92 100  
91 162.1 135.1 202.7

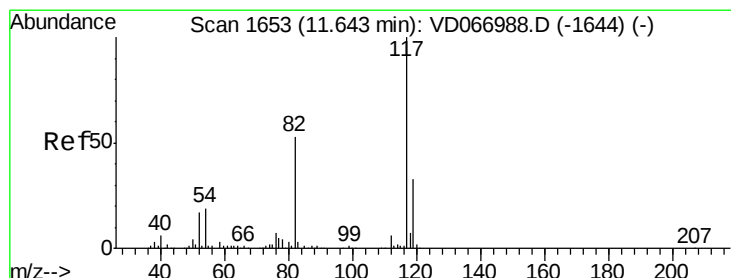
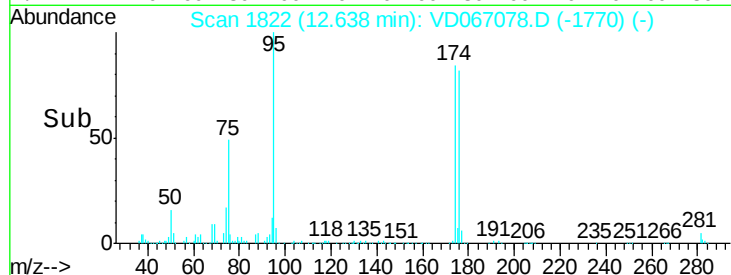
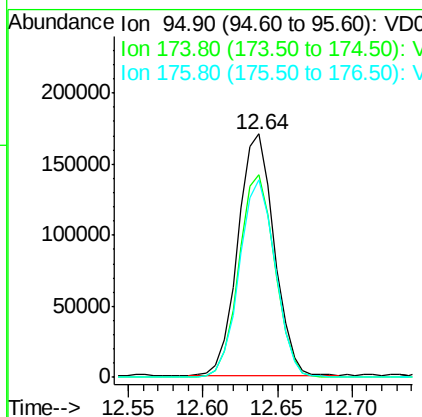
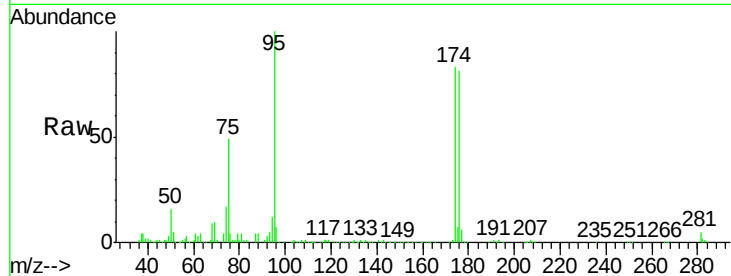




#62  
4-Bromofluorobenzene  
Concen: 46.149 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.01 min  
Lab File: VD067078.D  
Acq: 05 Oct 2020 12:46

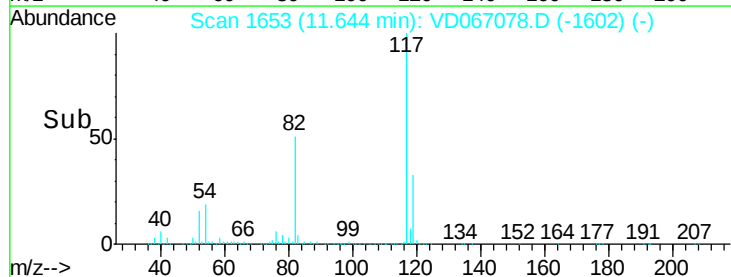
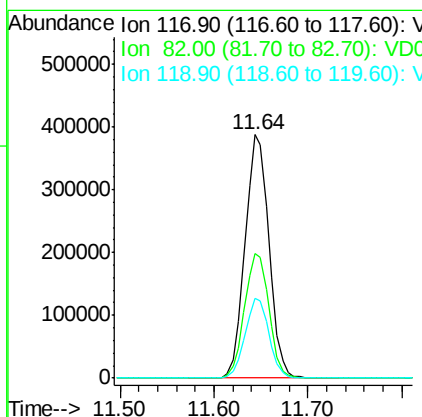
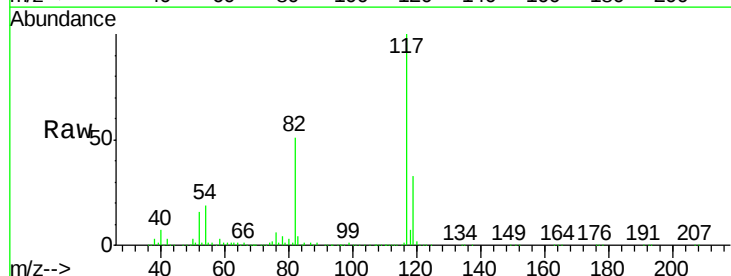
Instrument :  
MSVOA\_D  
ClientSampleId :  
24702

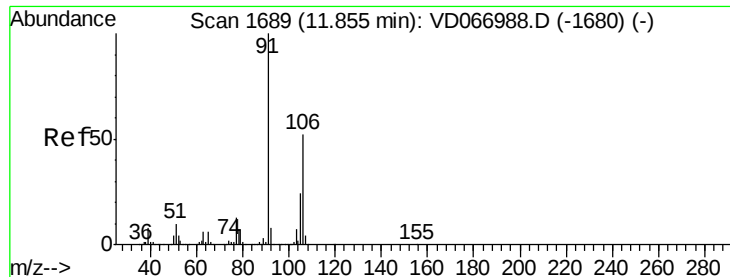
Tot Ion: 95 Resp: 286545  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 167.6  
176 80.5 0.0 162.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD067078.D  
Acq: 05 Oct 2020 12:46

Tgt Ion: 117 Resp: 681007  
Ion Ratio Lower Upper  
117 100  
82 51.1 42.6 63.8  
119 32.6 26.3 39.5

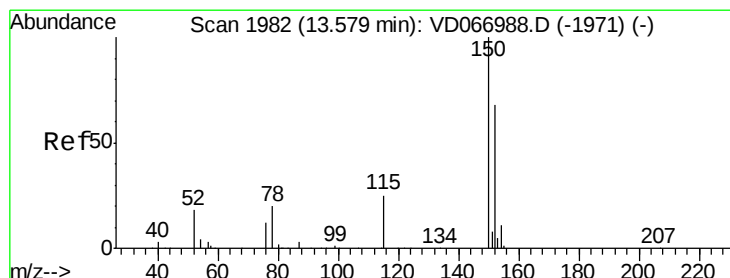
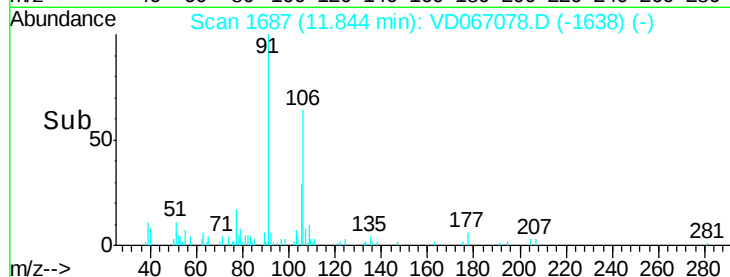
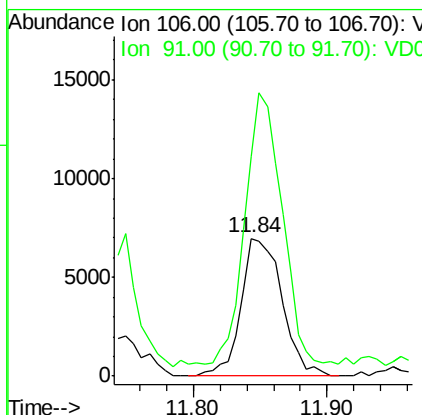
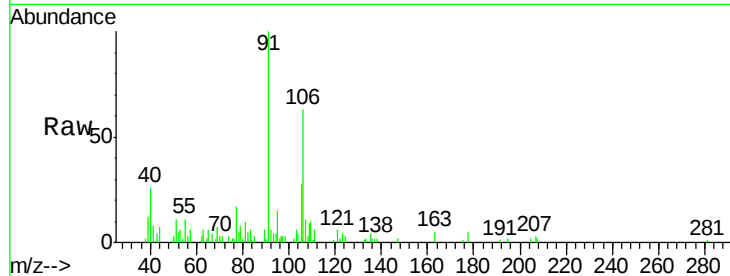




#68  
m/p-Xvlenes  
Concen: 1.636 ug/l  
RT: 11.84 min Scan# 1687  
Delta R.T. -0.01 min  
Lab File: VD067078.D  
Acq: 05 Oct 2020 12:46

Instrument :  
MSVOA\_D  
ClientSampleId :  
24702

Tot Ion:106 Resp: 14800  
Ion Ratio Lower Upper  
106 100  
91 179.9 158.4 237.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD067078.D  
Acq: 05 Oct 2020 12:46

Tgt Ion:152 Resp: 266898  
Ion Ratio Lower Upper  
152 100  
115 57.5 29.6 88.8  
150 157.0 0.0 344.8

