

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\  
 Data File : VD066002.D  
 Acq On : 22 Jul 2020 15:27  
 Operator : VA/SY  
 Sample : L3360-03  
 Misc : 6.99G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-2

Quant Time: Jul 23 01:23:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072120S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 21 12:34:13 2020  
 Response via : Initial Calibration

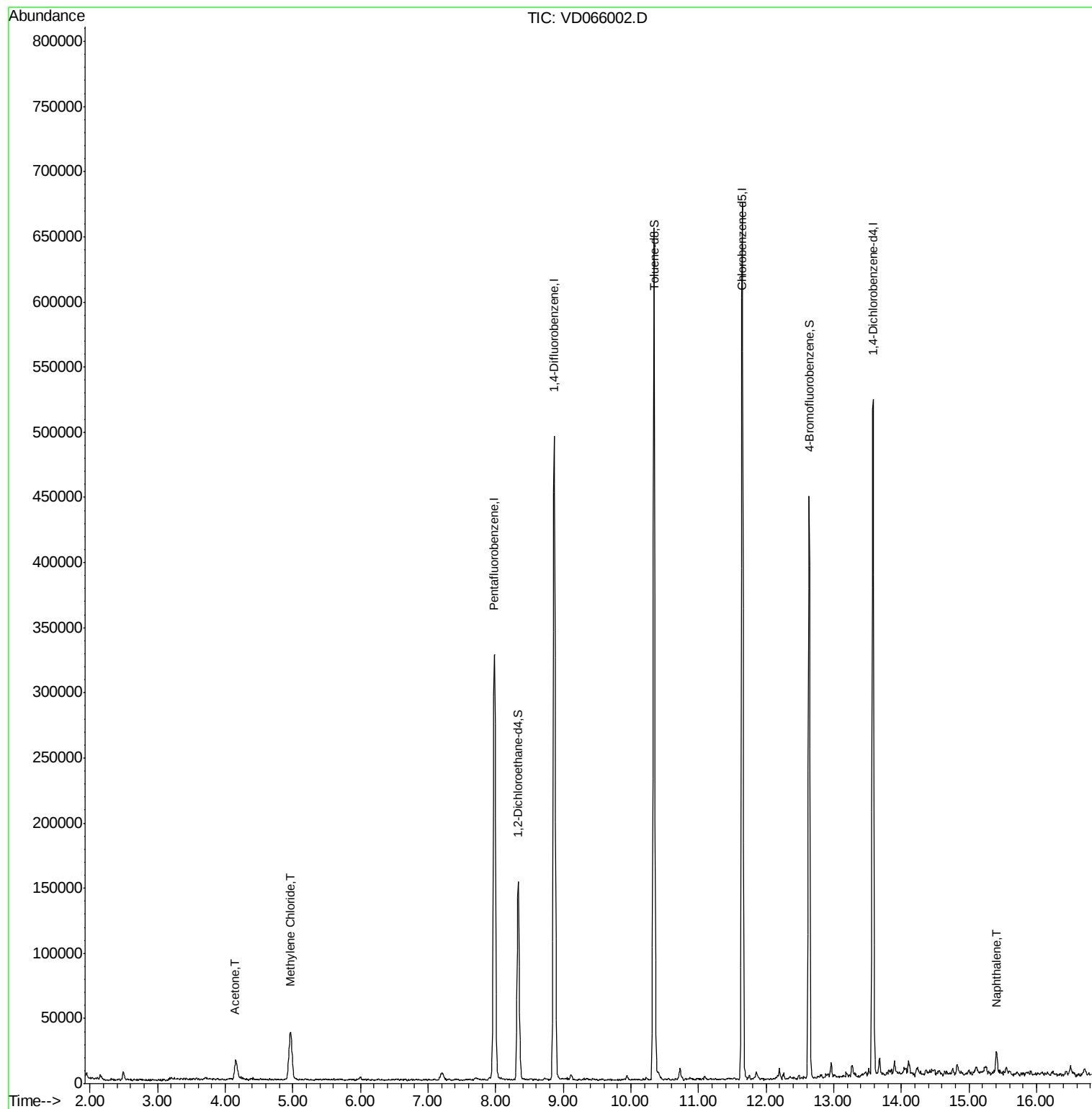
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 273876   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 446914   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 392722   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 150324   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 124519   | 55.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.76% |          |
| 35) Dibromofluoromethane    | 7.93  | 113  | 678      | 0.25   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 0.50%   |          |
| 50) Toluene-d8              | 10.34 | 98   | 446940   | 44.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.52%  |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 137553   | 39.29  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 78.58%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.15  | 43   | 28819    | 63.889 | ug/l    | 93       |
| 20) Methylene Chloride      | 4.96  | 84   | 29382    | 9.371  | ug/l    | 96       |
| 95) Naphthalene             | 15.41 | 128  | 16188    | 6.698  | ug/l #  | 95       |

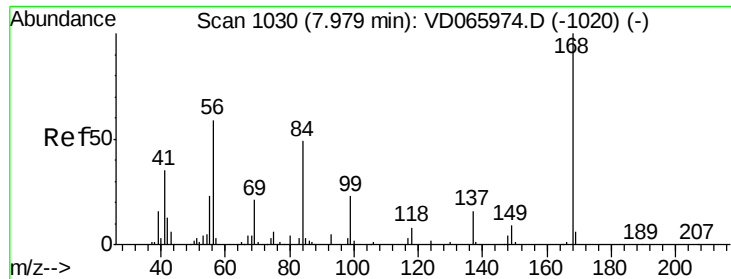
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072220\  
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Sample : L3360-03  
Misc : 6.99G/5.00ml/MSVOA D/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SP-2

Quant Time: Jul 23 01:23:25 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D072120S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 21 12:34:13 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066002.D

Acq: 22 Jul 2020 15:27

Instrument :

MSVOA\_D

ClientSampleId :

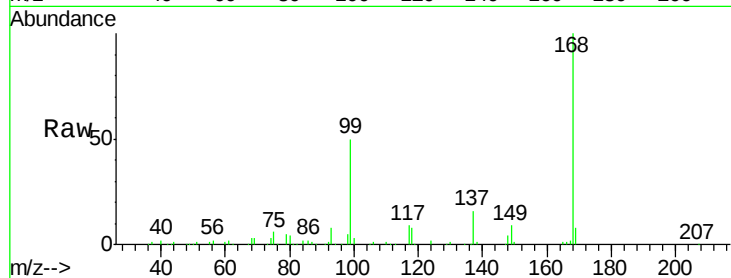
SP-2

Tot Ion:168 Resp: 273876

Ion Ratio Lower Upper

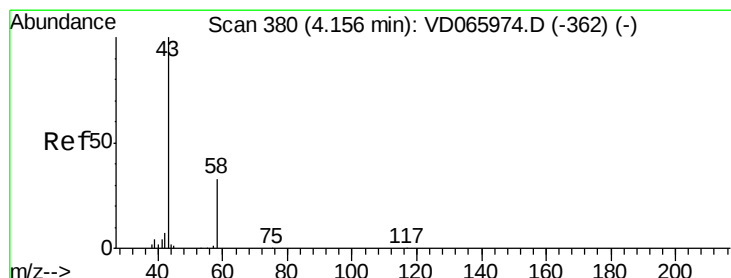
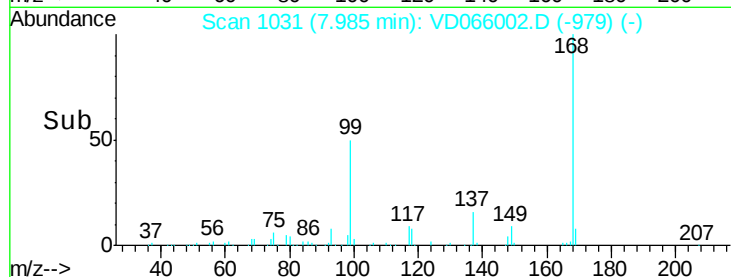
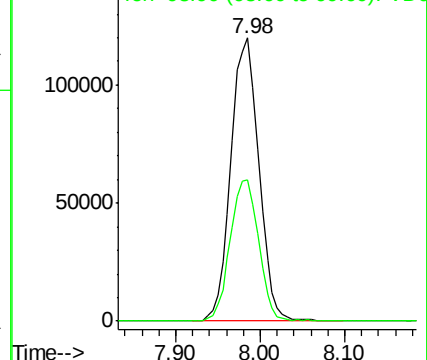
168 100

99 49.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 63.889 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066002.D

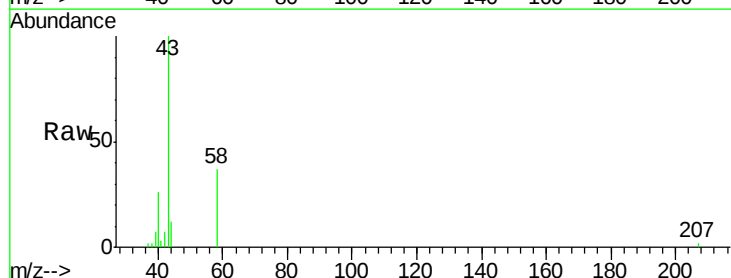
Acq: 22 Jul 2020 15:27

Tgt Ion: 43 Resp: 28819

Ion Ratio Lower Upper

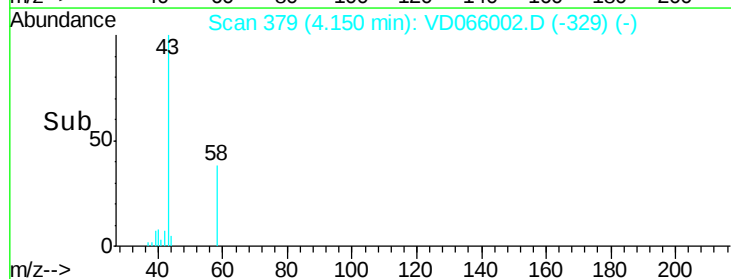
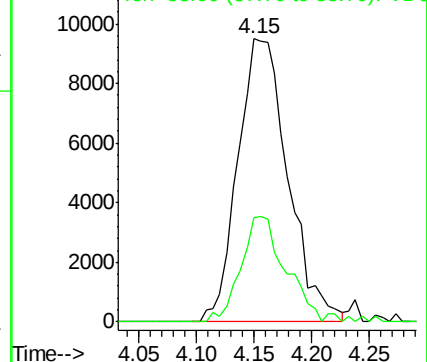
43 100

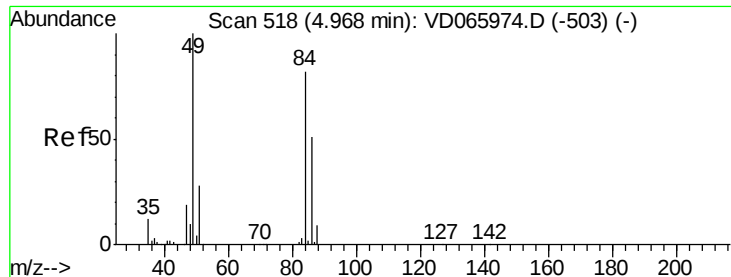
58 36.8 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

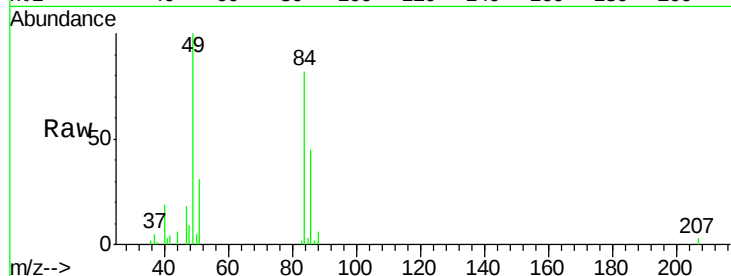




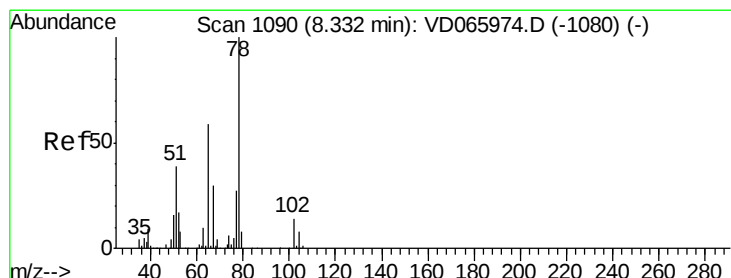
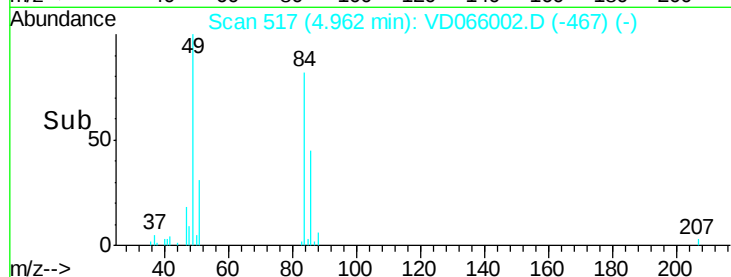
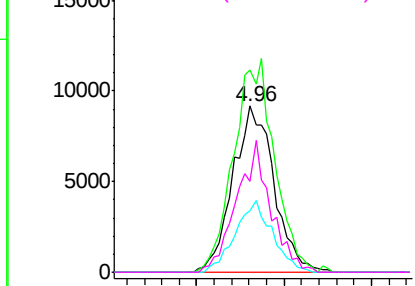
#20  
Methylene Chloride  
Concen: 9.371 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. -0.01 min  
Lab File: VD066002.D  
Acq: 22 Jul 2020 15:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
SP-2

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 29382 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 122.0 | 97.7  | 146.5 |
| 51       | 37.3  | 27.4  | 41.2  |
| 86       | 54.4  | 49.4  | 74.2  |

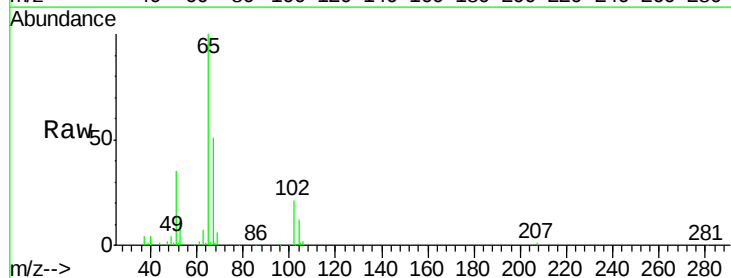


Abundance Ion 83.90 (83.60 to 84.60): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC

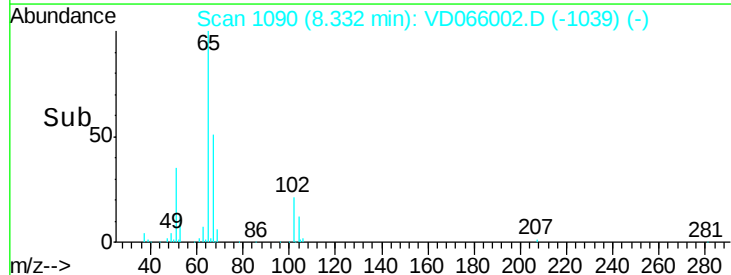
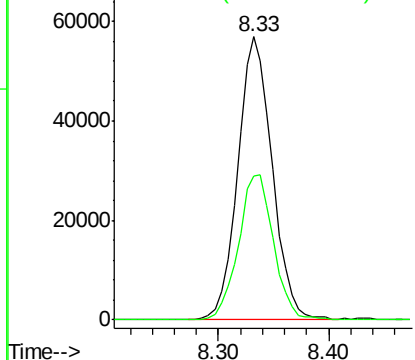


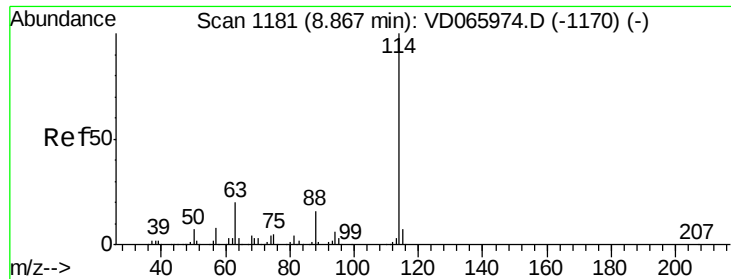
#33  
1,2-Dichloroethane-d4  
Concen: 55.876 ug/l  
RT: 8.33 min Scan# 1090  
Delta R.T. -0.00 min  
Lab File: VD066002.D  
Acq: 22 Jul 2020 15:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 124519 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.4  | 0.0   | 105.0  |



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

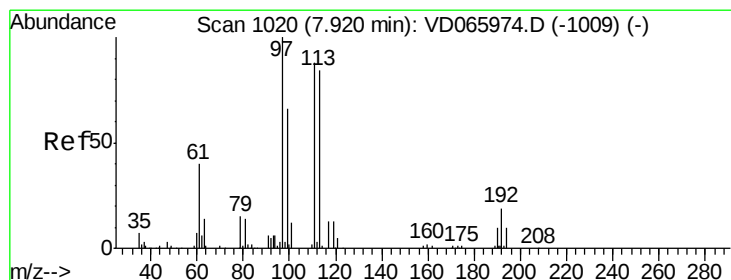
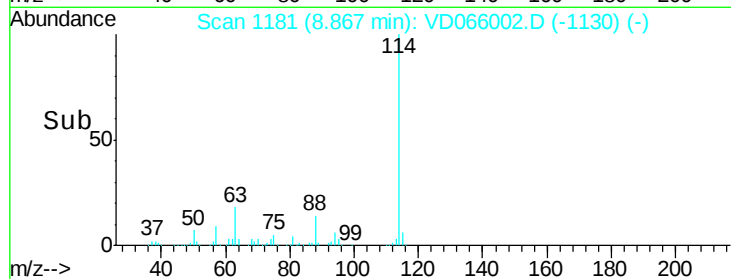
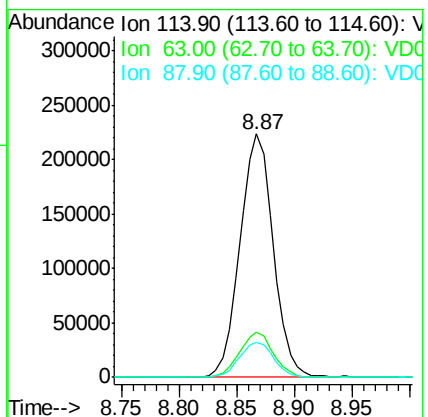
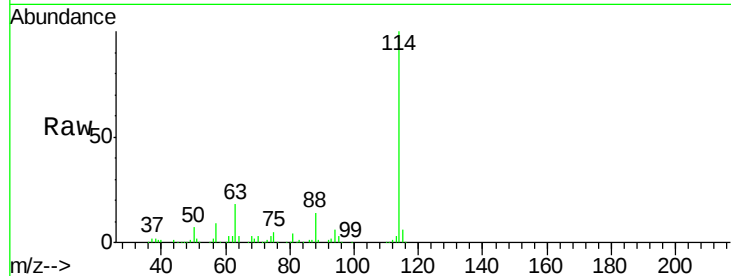




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD066002.D  
 Acq: 22 Jul 2020 15:27

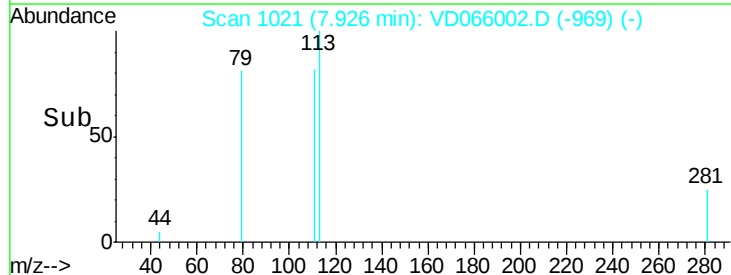
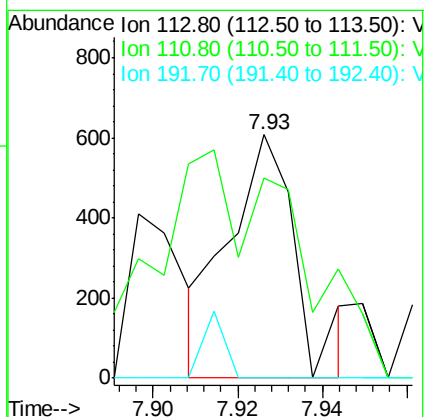
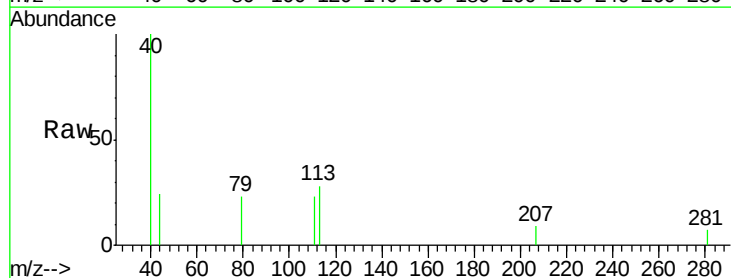
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-2

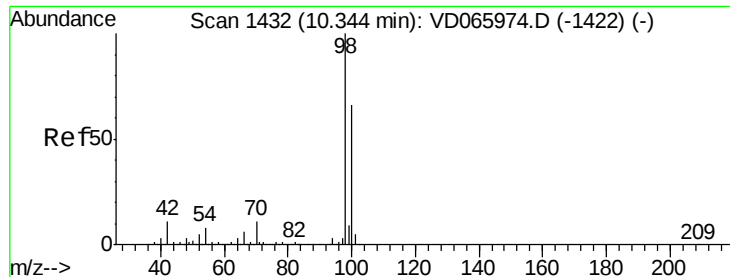
Tot Ion:114 Resp: 446914  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 39.6  
 88 14.3 0.0 31.2



#35  
 Dibromofluoromethane  
 Concen: 0.250 ug/l  
 RT: 7.93 min Scan# 1021  
 Delta R.T. 0.01 min  
 Lab File: VD066002.D  
 Acq: 22 Jul 2020 15:27

Tgt Ion:113 Resp: 678  
 Ion Ratio Lower Upper  
 113 100  
 111 192.3 83.2 124.8#  
 192 8.7 18.7 28.1#





#50

Toluene-d8

Concen: 44.260 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066002.D

Acq: 22 Jul 2020 15:27

Instrument :

MSVOA\_D

ClientSampled :

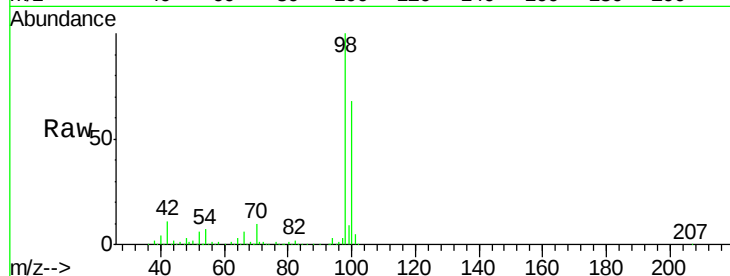
SP-2

Tot Ion: 98 Resp: 446940

Ion Ratio Lower Upper

98 100

100 66.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

250000

200000

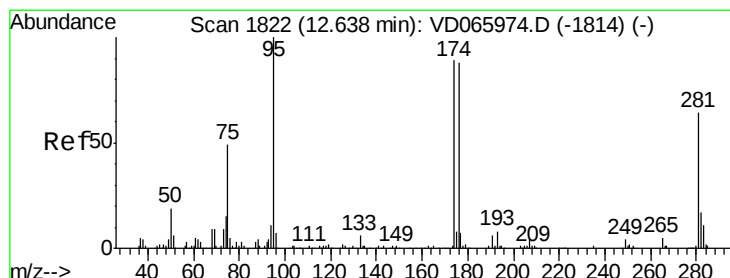
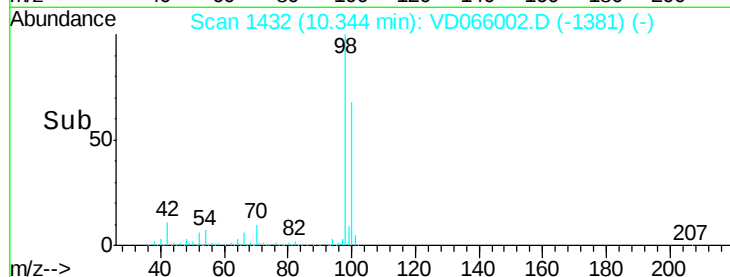
150000

100000

50000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 39.286 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066002.D

Acq: 22 Jul 2020 15:27

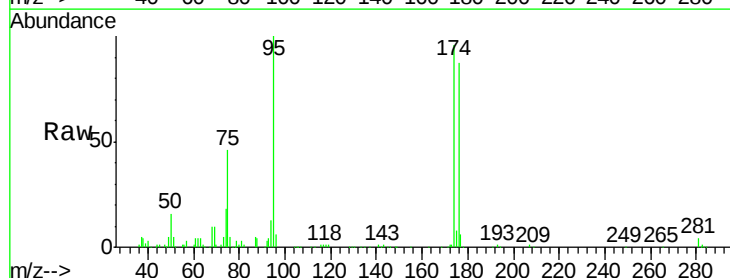
Tgt Ion: 95 Resp: 137553

Ion Ratio Lower Upper

95 100

174 96.3 0.0 178.8

176 90.8 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

120000

100000

80000

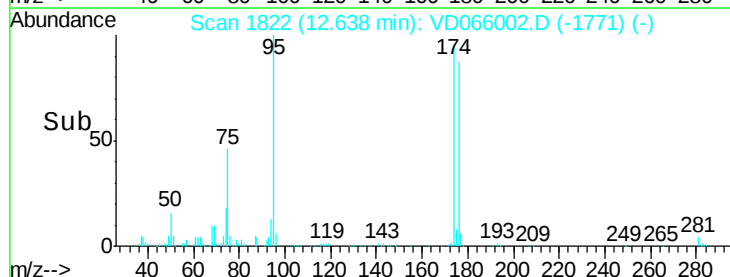
60000

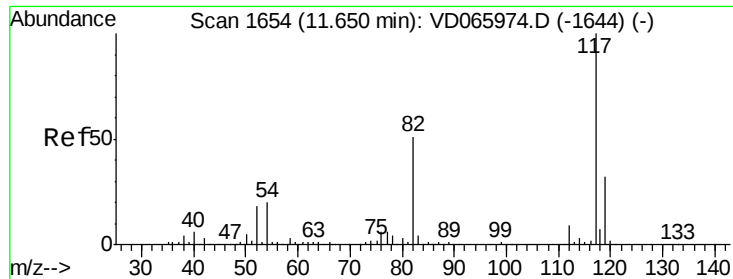
40000

20000

0

Time--> 12.60 12.65 12.70

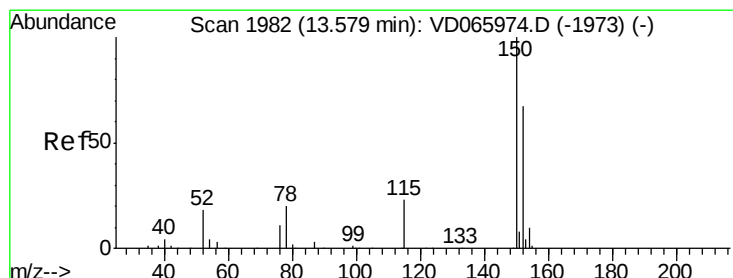
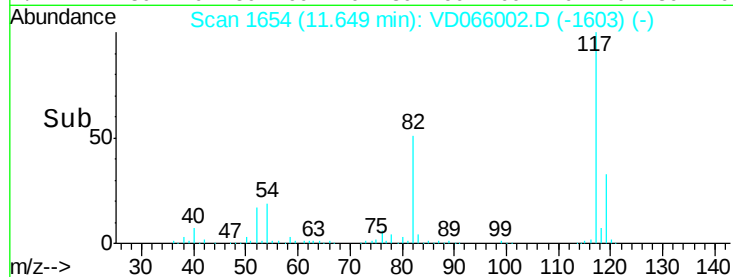
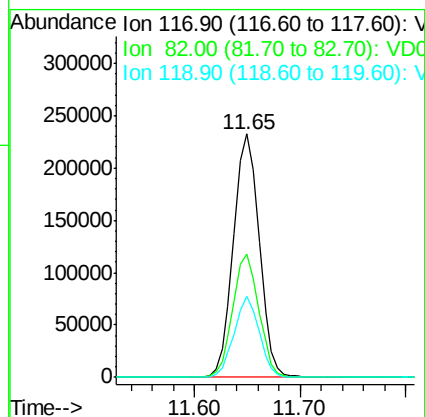
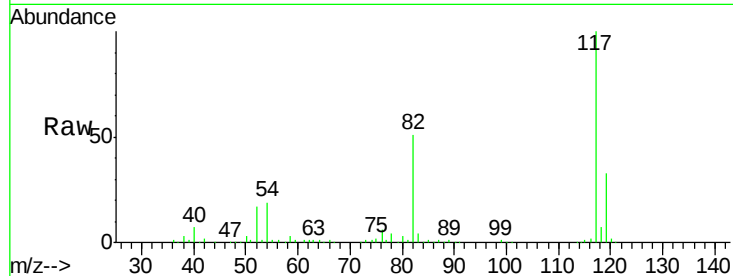




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD066002.D  
Acq: 22 Jul 2020 15:27

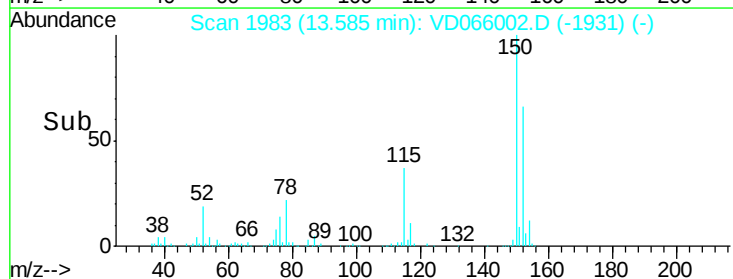
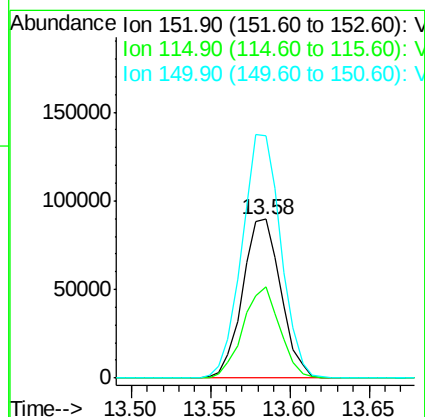
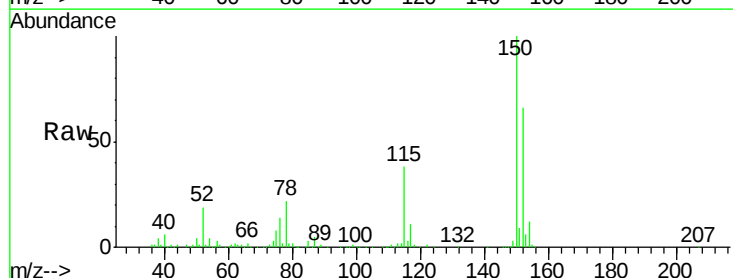
Instrument :  
MSVOA\_D  
ClientSampleId :  
SP-2

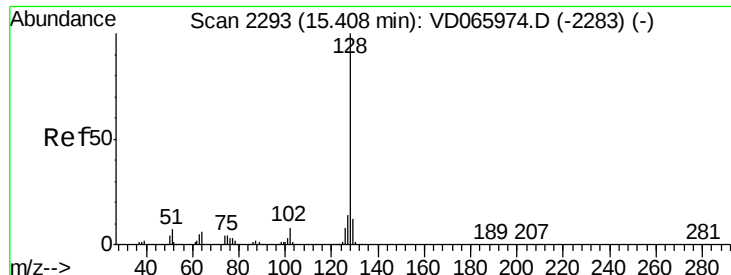
Tot Ion:117 Resp: 392722  
Ion Ratio Lower Upper  
117 100  
82 50.8 41.1 61.7  
119 33.4 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. 0.01 min  
Lab File: VD066002.D  
Acq: 22 Jul 2020 15:27

Tgt Ion:152 Resp: 150324  
Ion Ratio Lower Upper  
152 100  
115 55.2 27.9 83.7  
150 155.4 0.0 348.2





#95

Naphthalene

Concen: 6.698 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066002.D

Acq: 22 Jul 2020 15:27

Instrument :

MSVOA\_D

ClientSampleId :

SP-2

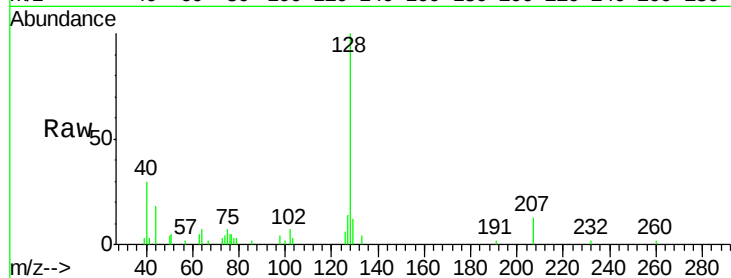
Tot Ion:128 Resp: 16188

Ion Ratio Lower Upper

128 100

127 14.8 10.8 16.2

129 14.2 8.9 13.3#



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

