

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\  
 Data File : VD066058.D  
 Acq On : 24 Jul 2020 20:14  
 Operator : VA/SY  
 Sample : L3436-03  
 Misc : 7.01G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 3

Quant Time: Jul 25 01:00:16 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

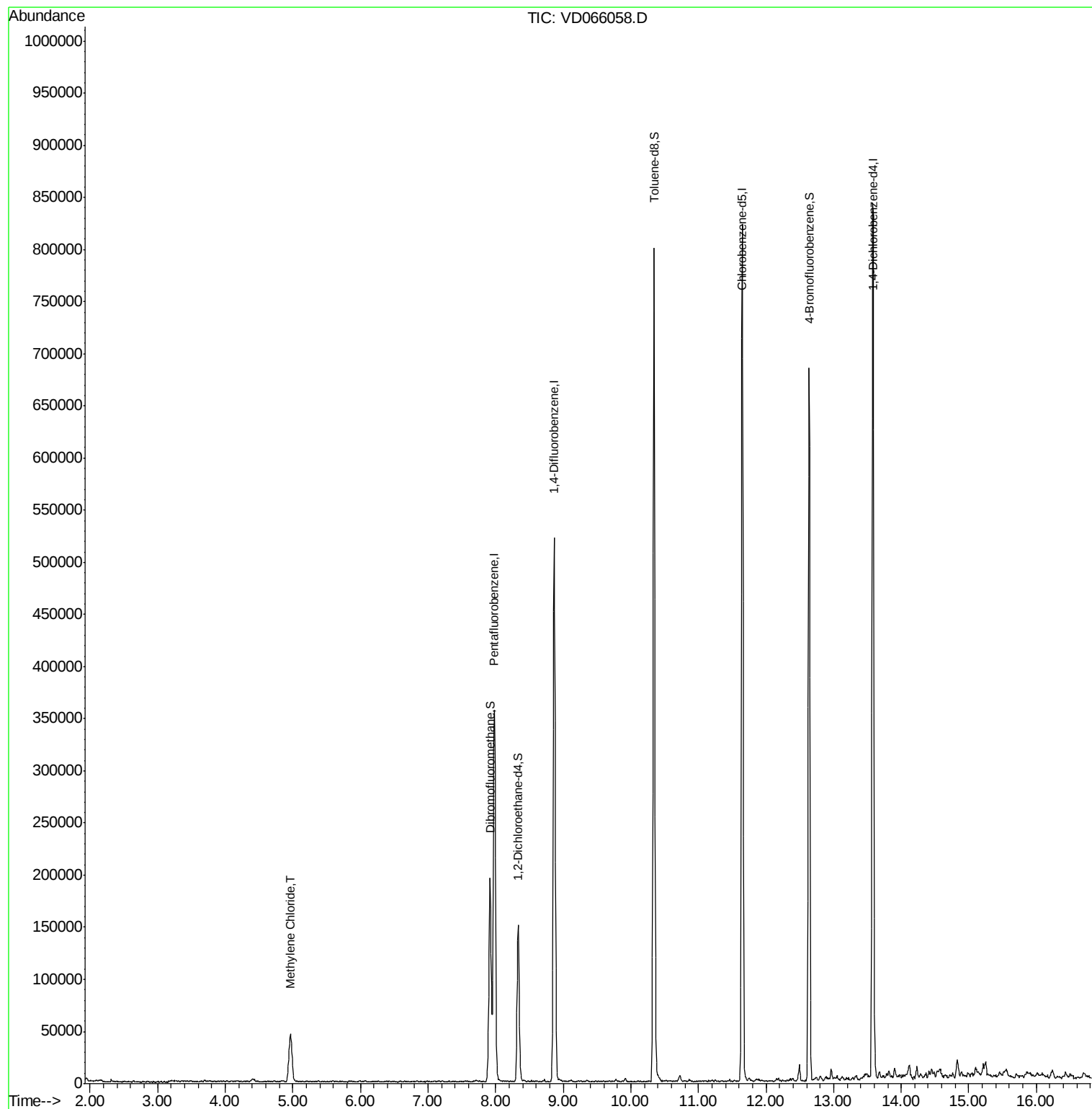
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.99  | 168  | 294825   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 450468   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 474405   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 246078   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 121250   | 50.54  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.08% |           |
| 35) Dibromofluoromethane    | 7.92  | 113  | 140322   | 51.36  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.72% |           |
| 50) Toluene-d8              | 10.34 | 98   | 543379   | 53.39  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.78% |           |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 215887   | 61.17  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 122.34% |           |
| Target Compounds            |       |      |          |        |         |           |
| 20) Methylene Chloride      | 4.96  | 84   | 35855    | 11.044 | ug/l    | Qvalue 97 |

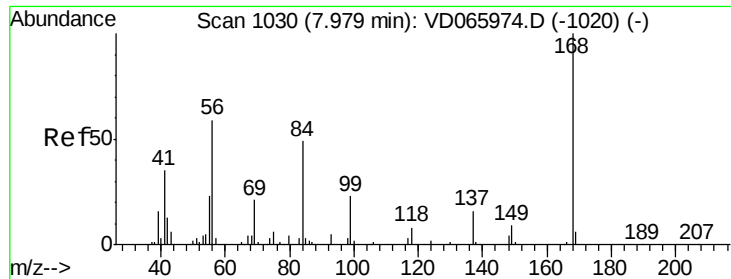
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 25 01:00:16 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: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066058.D

Acq: 24 Jul 2020 20:14

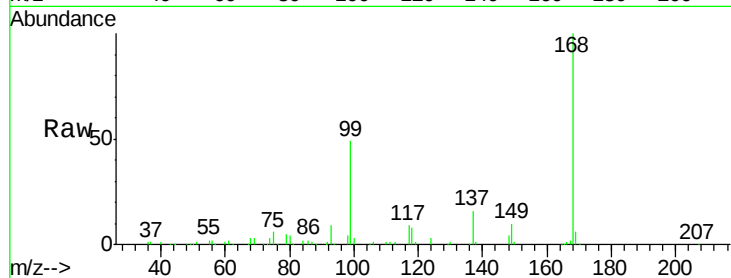
Instrument :  
MSVOA\_D  
ClientSampleId :  
3

Tot Ion:168 Resp: 294825

Ion Ratio Lower Upper

168 100

99 48.7 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

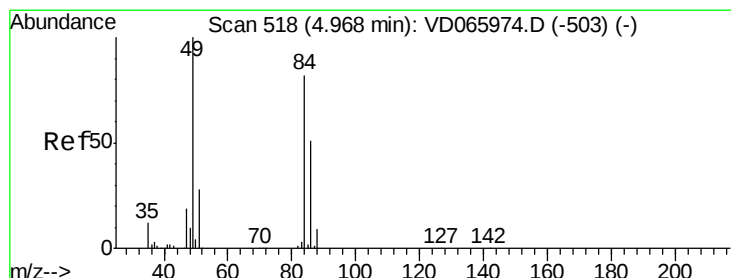
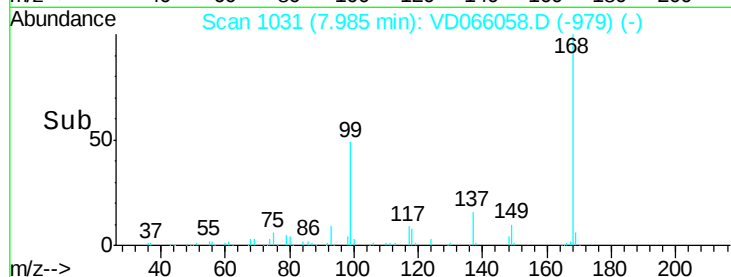
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 11.044 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066058.D

Acq: 24 Jul 2020 20:14

Tgt Ion: 84 Resp: 35855

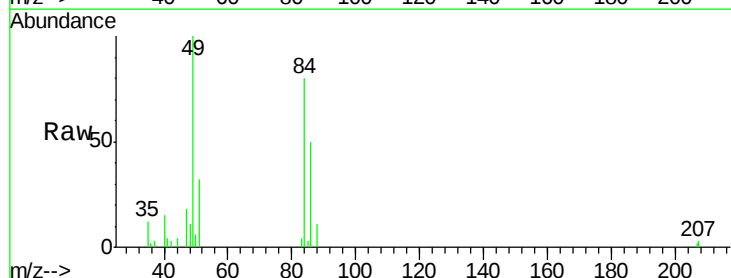
Ion Ratio Lower Upper

84 100

49 123.8 97.7 146.5

51 40.1 27.4 41.2

86 63.1 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

20000

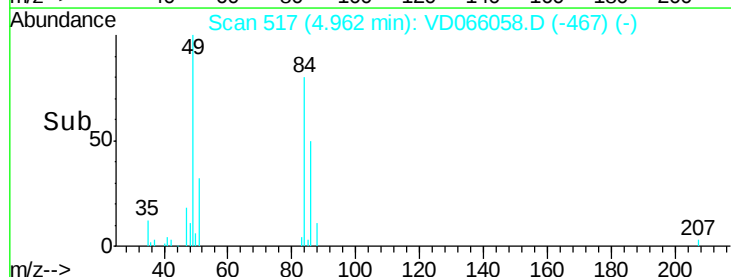
15000

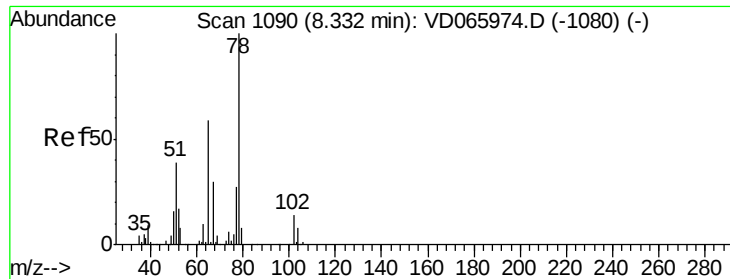
10000

5000

0

Time-->

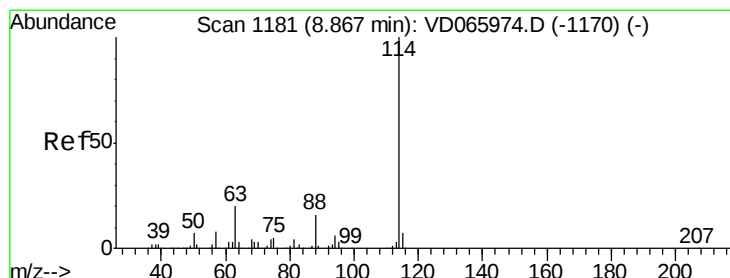
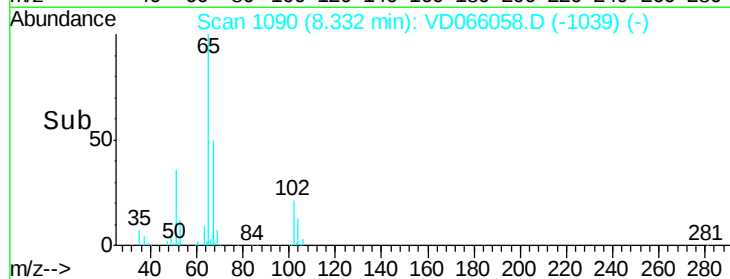
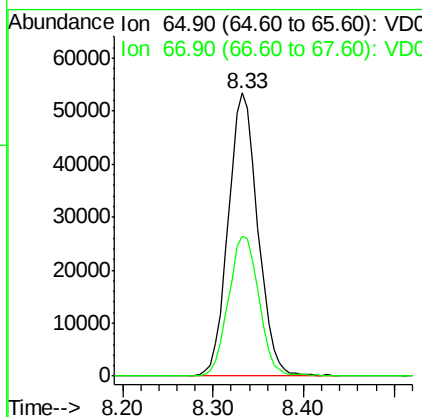
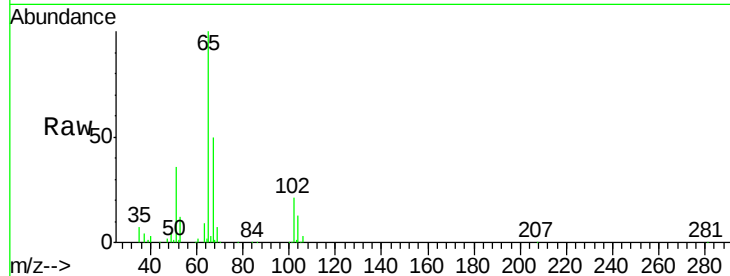




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.543 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. 0.00 min  
 Lab File: VD066058.D  
 Acq: 24 Jul 2020 20:14

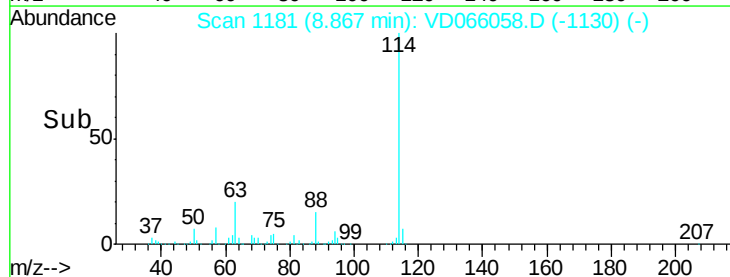
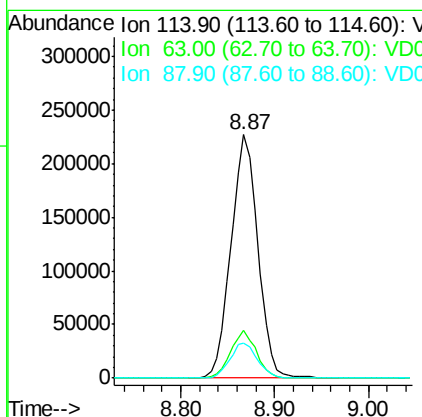
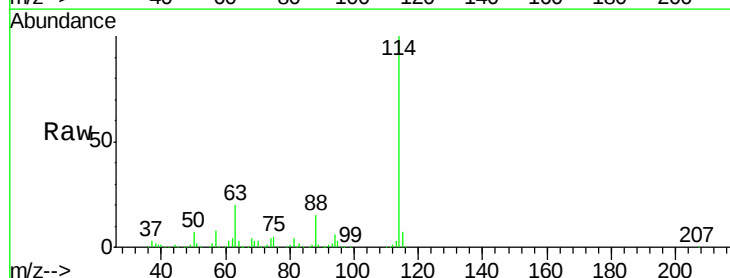
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 3

Tot Ion: 65 Resp: 121250  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 105.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD066058.D  
 Acq: 24 Jul 2020 20:14

Tgt Ion: 114 Resp: 450468  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 39.6  
 88 14.6 0.0 31.2

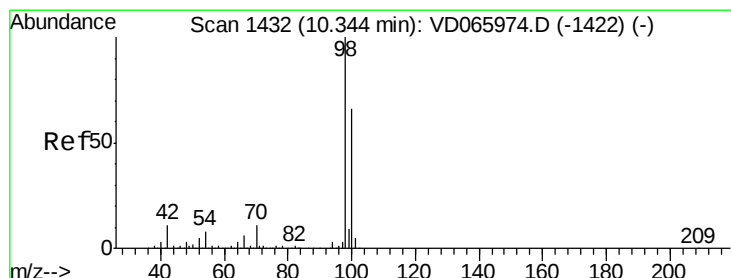
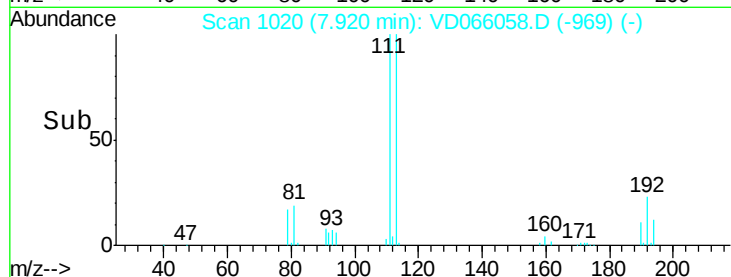
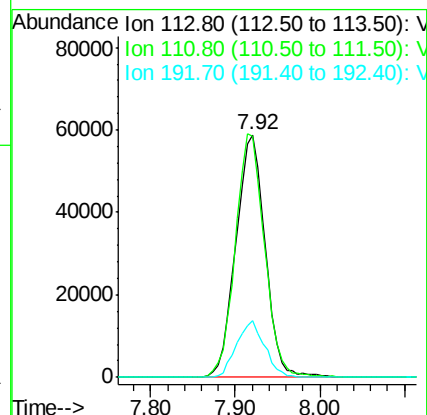
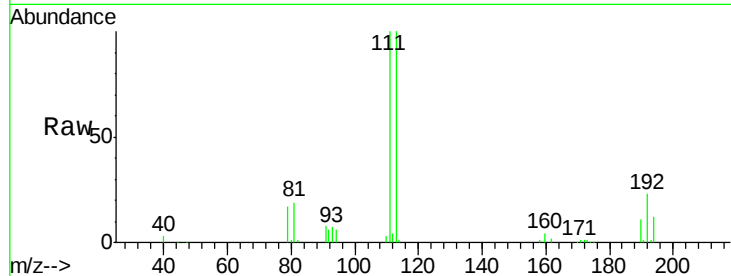




#35  
Dibromofluoromethane  
Concen: 51.358 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VD066058.D  
Acq: 24 Jul 2020 20:14

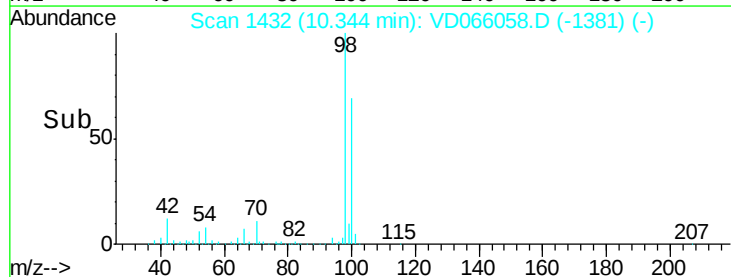
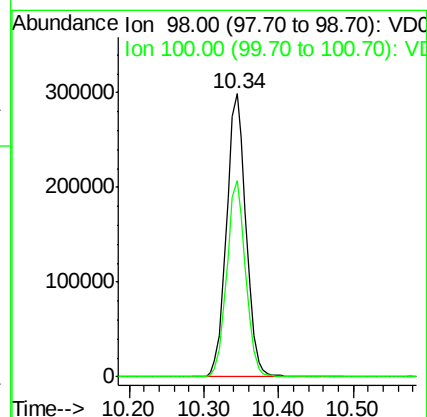
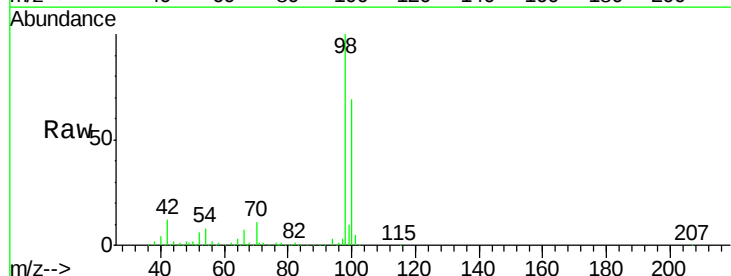
Instrument :  
MSVOA\_D  
ClientSampled :  
3

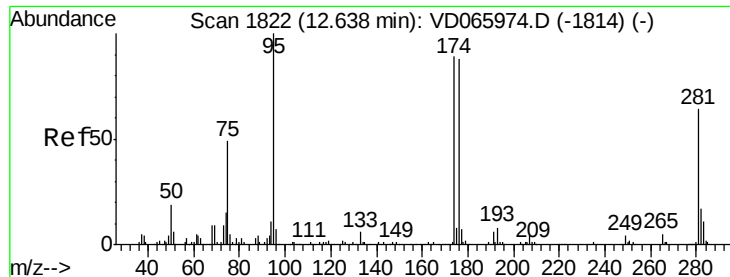
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.1 | 83.2  | 124.8 |
| 192     | 22.5  | 18.7  | 28.1  |



#50  
Toluene-d8  
Concen: 53.386 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD066058.D  
Acq: 24 Jul 2020 20:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.9  | 52.7  | 79.1  |

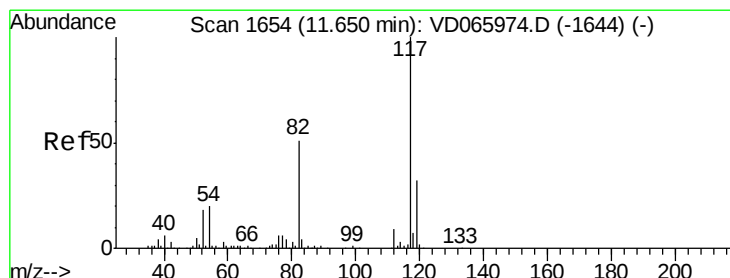
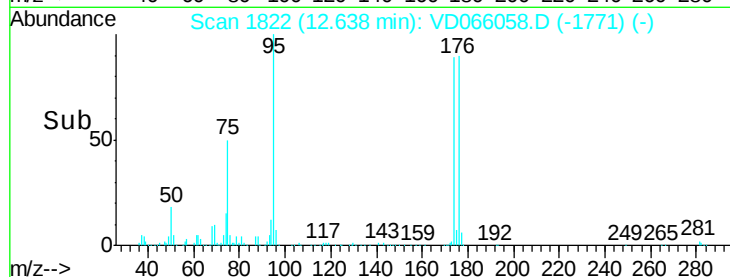
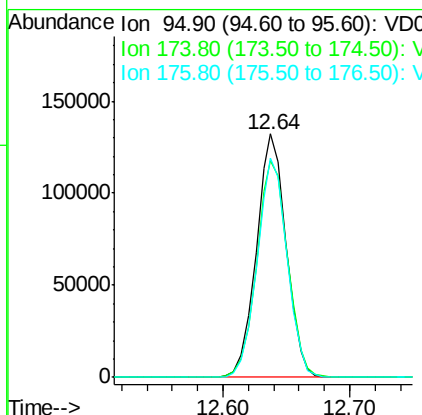
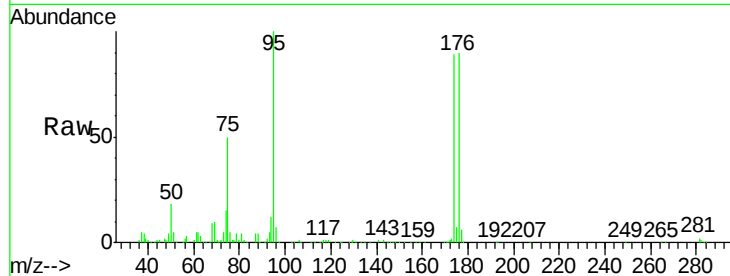




#62  
4-Bromofluorobenzene  
Concen: 61.172 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD066058.D  
Acq: 24 Jul 2020 20:14

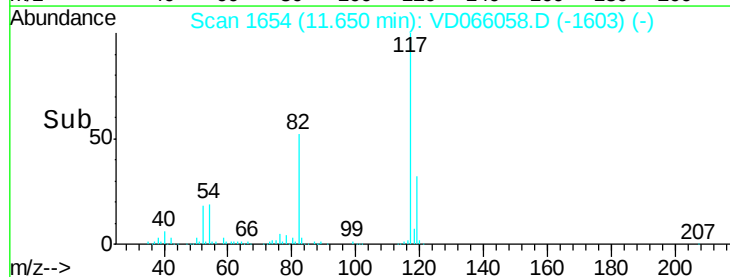
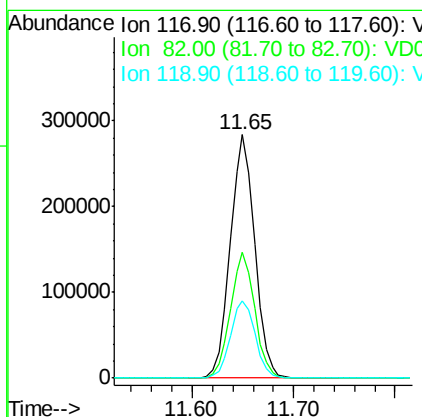
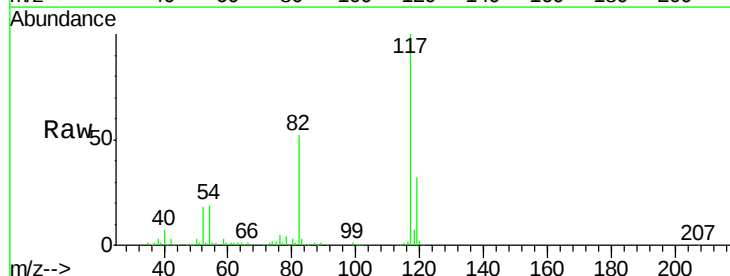
Instrument :  
MSVOA\_D  
ClientSampleId :  
3

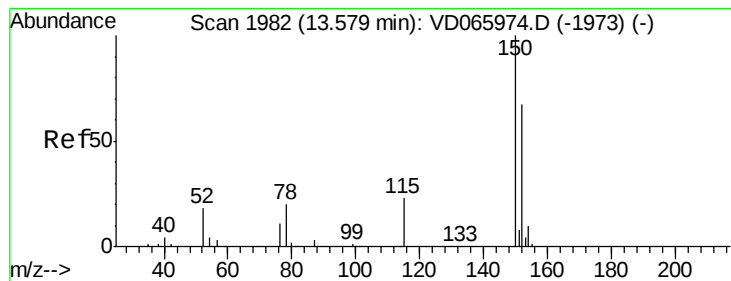
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 92.1  | 0.0   | 178.8 |
| 176     | 90.0  | 0.0   | 172.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD066058.D  
Acq: 24 Jul 2020 20:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.6  | 41.1  | 61.7  |
| 119     | 31.6  | 25.9  | 38.9  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066058.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA\_D

ClientSampleId :

3

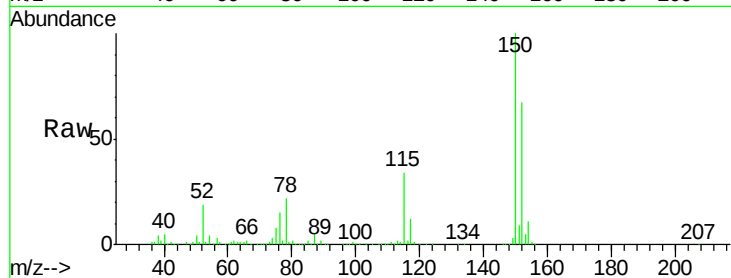
Tot Ion:152 Resp: 246078

Ion Ratio Lower Upper

152 100

115 54.6 27.9 83.7

150 155.4 0.0 348.2



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

