

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\  
 Data File : VD066086.D  
 Acq On : 29 Jul 2020 12:10  
 Operator : VA/SY  
 Sample : L3183-18  
 Misc : 7.55G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OK-02-072820

Quant Time: Jul 30 01:50:38 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

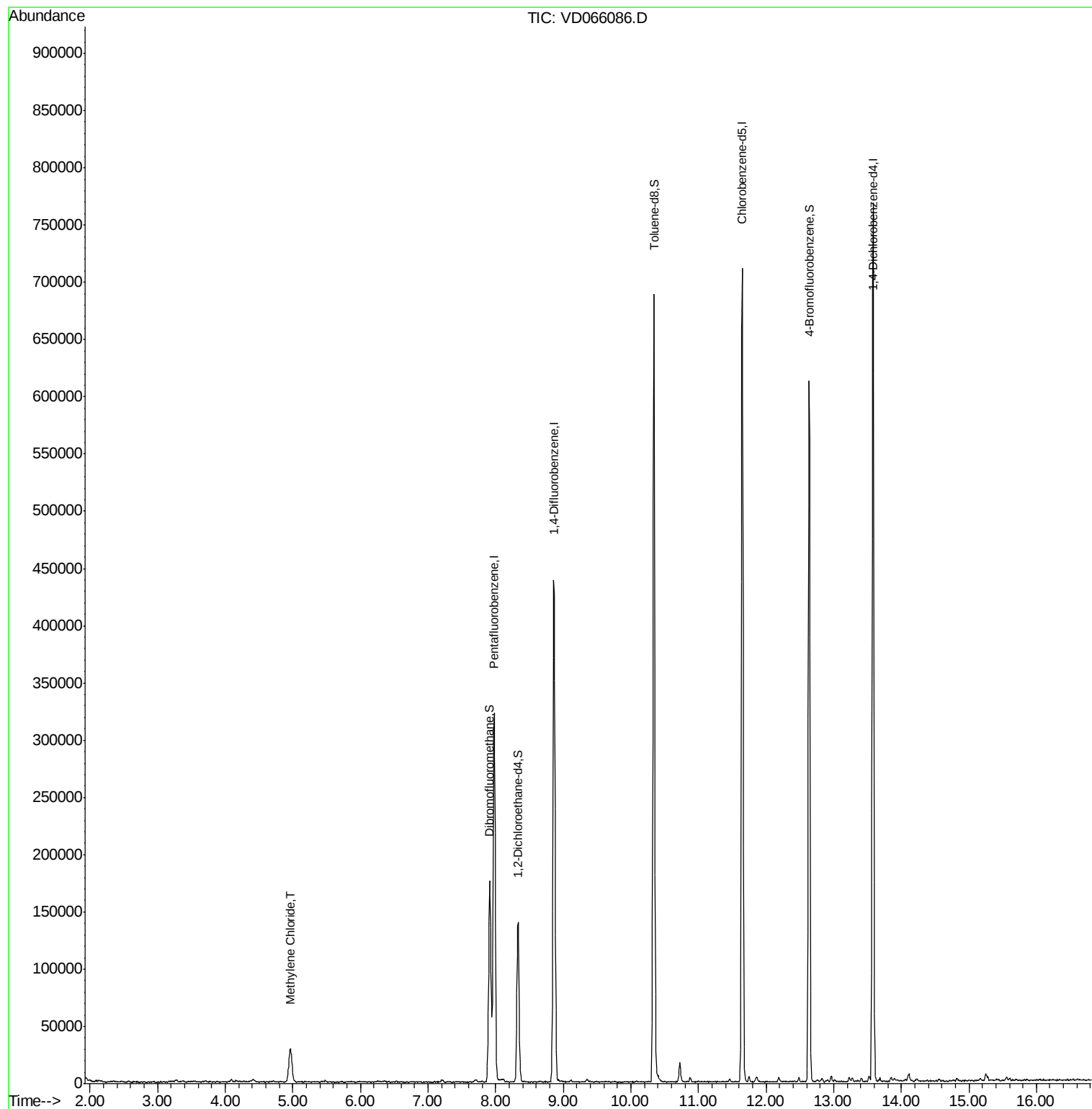
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|--------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98   | 168  | 254650   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.86   | 114  | 398801   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.65  | 117  | 420555   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58  | 152  | 213864   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |        |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65   | 112388   | 54.24 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 108.48% |           |
| 35) Dibromofluoromethane    | 7.91   | 113  | 122708   | 50.73 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 101.46% |           |
| 50) Toluene-d8              | 10.34  | 98   | 480820   | 53.36 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 106.72% |           |
| 62) 4-Bromofluorobenzene    | 12.64  | 95   | 190419   | 60.95 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 121.90% |           |
| Target Compounds            |        |      |          |       |         |           |
| 20) Methylene Chloride      | 4.97   | 84   | 22815    | 7.306 | ug/l    | Qvalue 97 |

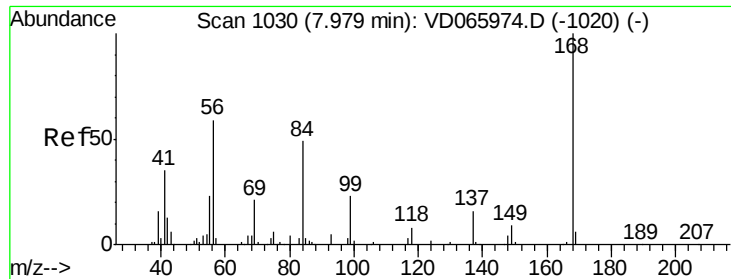
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.00 min

Lab File: VD066086.D

Acq: 29 Jul 2020 12:10

Instrument :

MSVOA\_D

ClientSampleId :

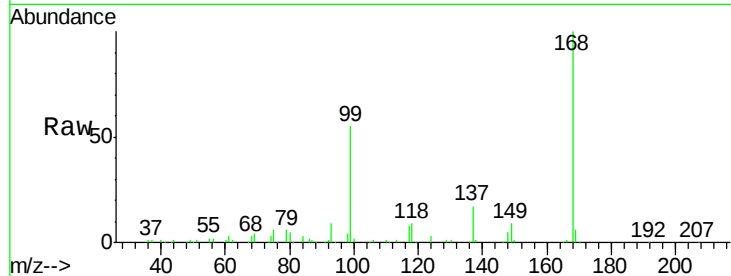
OK-02-072820

Tot Ion:168 Resp: 254650

Ion Ratio Lower Upper

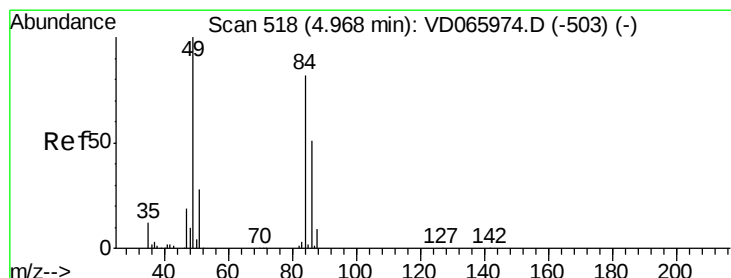
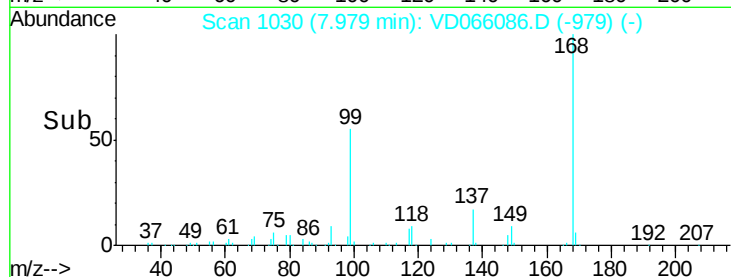
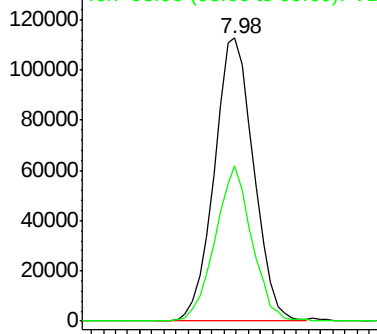
168 100

99 54.6 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: 7.306 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066086.D

Acq: 29 Jul 2020 12:10

Tgt Ion: 84 Resp: 22815

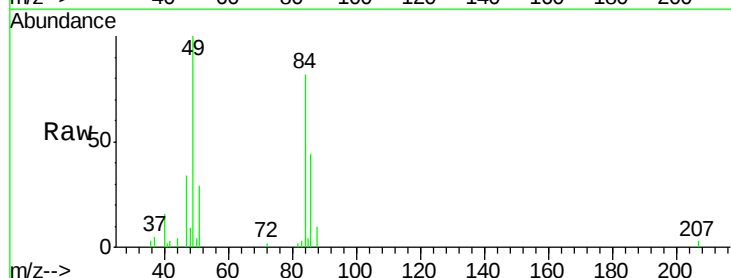
Ion Ratio Lower Upper

84 100

49 121.7 97.7 146.5

51 35.3 27.4 41.2

86 54.0 49.4 74.2

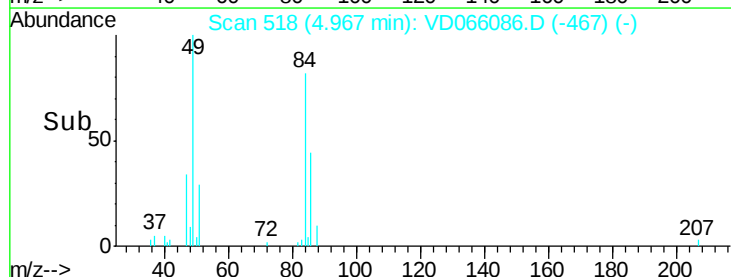
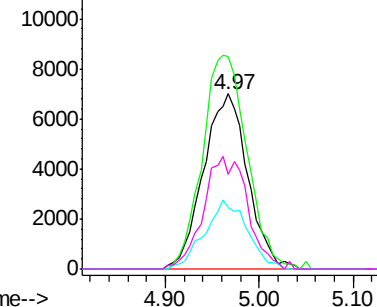


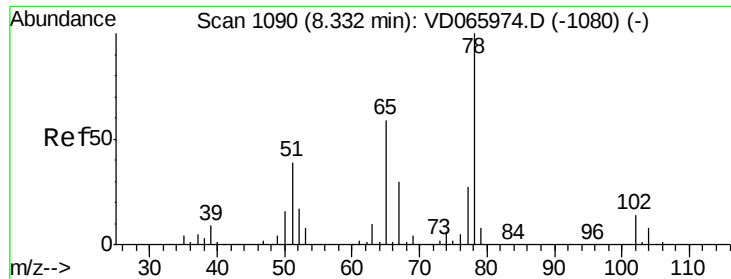
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

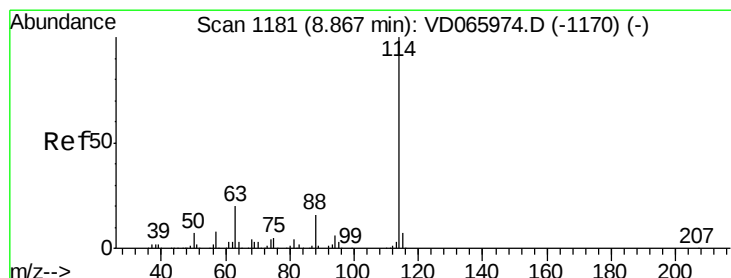
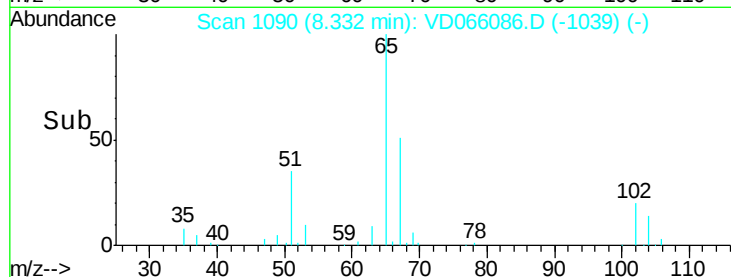
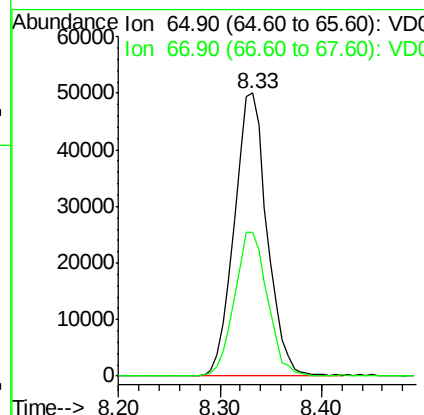
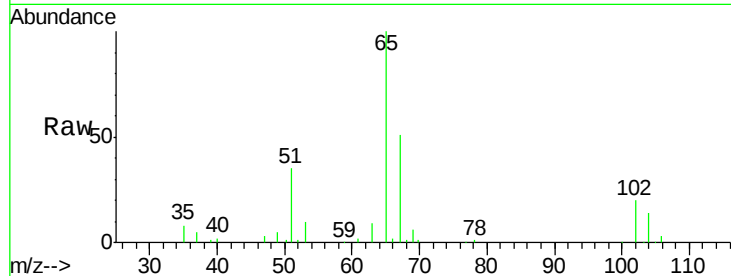




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.240 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.00 min  
 Lab File: VD066086.D  
 Acq: 29 Jul 2020 12:10

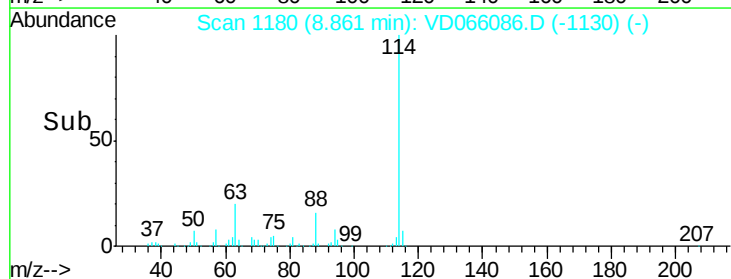
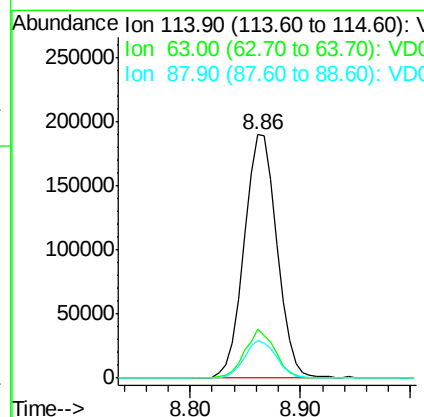
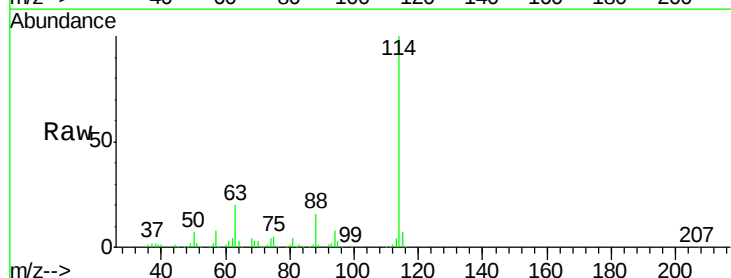
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 OK-02-072820

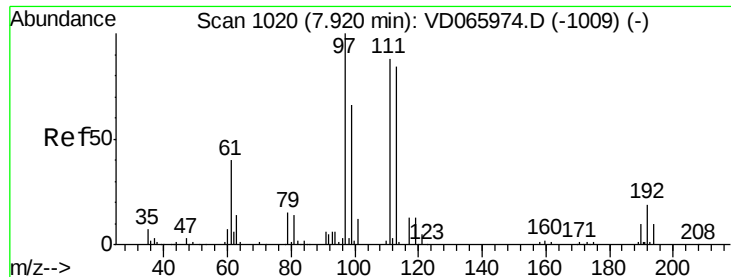
Tot Ion: 65 Resp: 112388  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 105.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. -0.01 min  
 Lab File: VD066086.D  
 Acq: 29 Jul 2020 12:10

Tgt Ion: 114 Resp: 398801  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 39.6  
 88 15.7 0.0 31.2

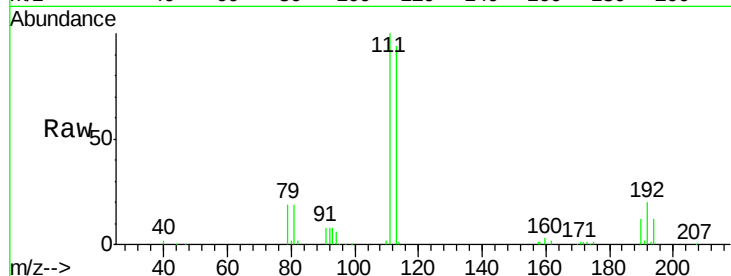




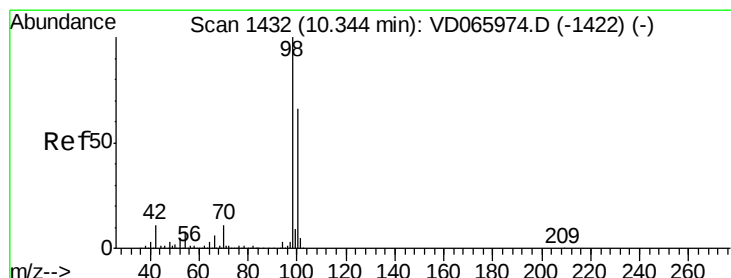
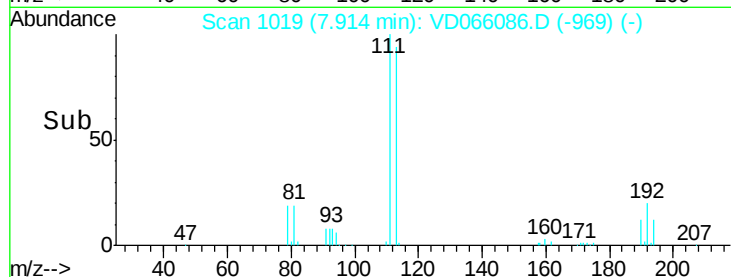
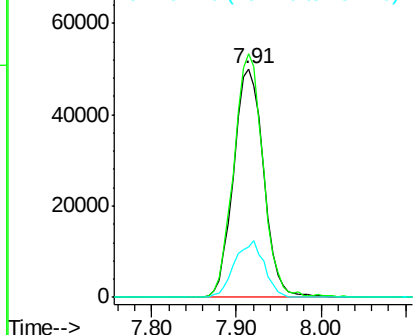
#35  
 Dibromofluoromethane  
 Concen: 50.730 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: VD066086.D  
 Acq: 29 Jul 2020 12:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OK-02-072820

Tot Ion:113 Resp: 122708  
 Ion Ratio Lower Upper  
 113 100  
 111 104.2 83.2 124.8  
 192 24.5 18.7 28.1

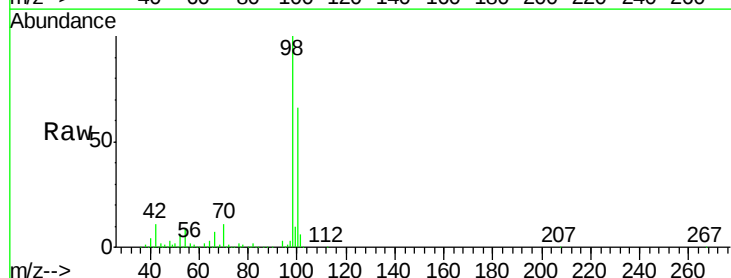


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

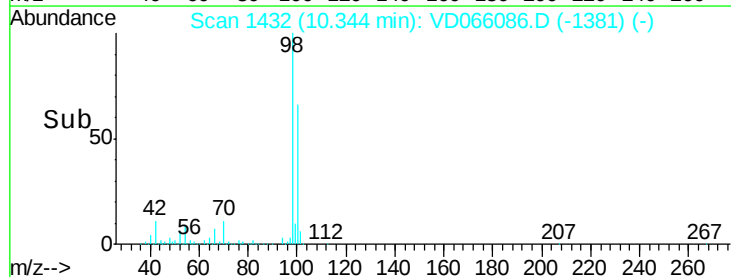
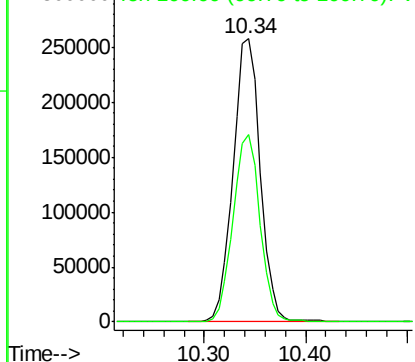


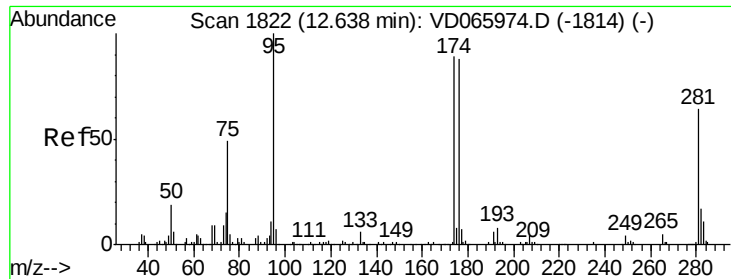
#50  
 Toluene-d8  
 Concen: 53.360 ug/l  
 RT: 10.34 min Scan# 1432  
 Delta R.T. -0.00 min  
 Lab File: VD066086.D  
 Acq: 29 Jul 2020 12:10

Tgt Ion: 98 Resp: 480820  
 Ion Ratio Lower Upper  
 98 100  
 100 65.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC  
 Ion 100.00 (99.70 to 100.70): VDC

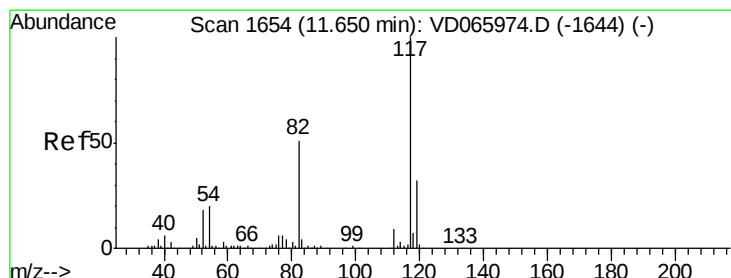
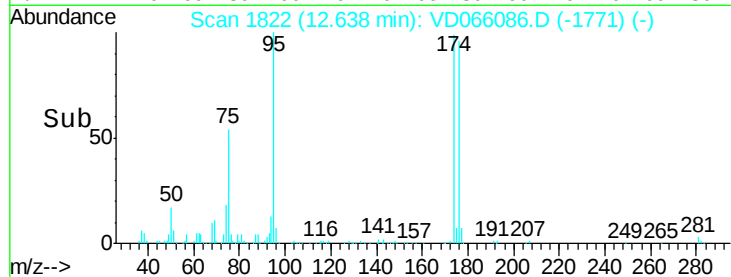
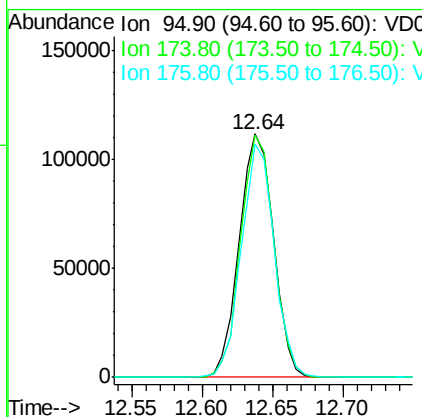
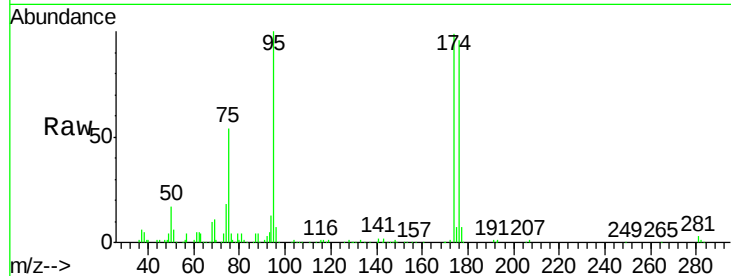




#62  
4-Bromofluorobenzene  
Concen: 60.946 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VD066086.D  
Acq: 29 Jul 2020 12:10

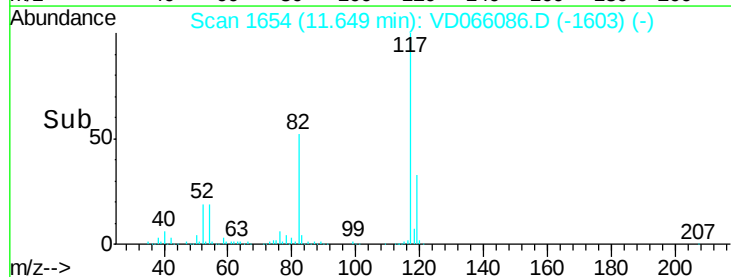
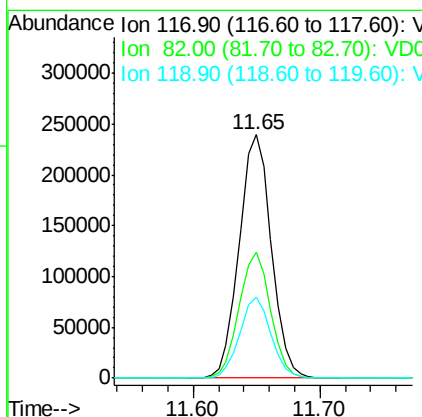
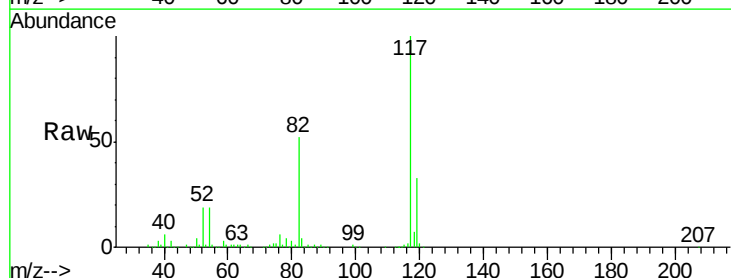
Instrument :  
MSVOA\_D  
ClientSampleId :  
OK-02-072820

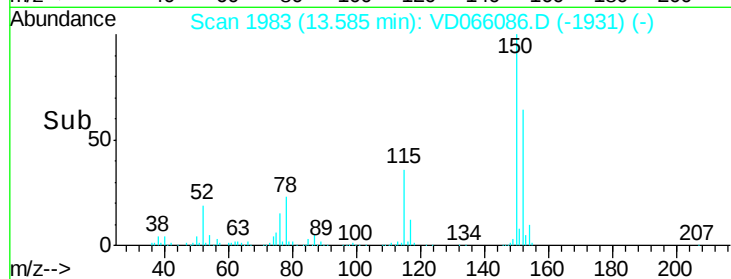
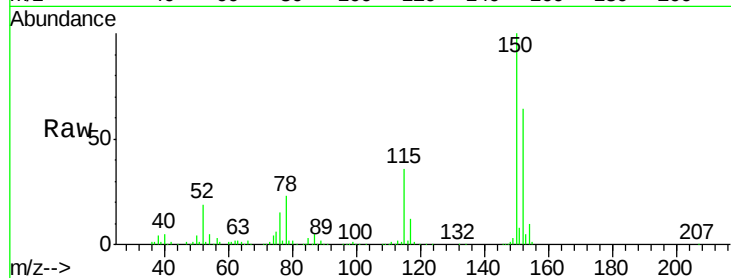
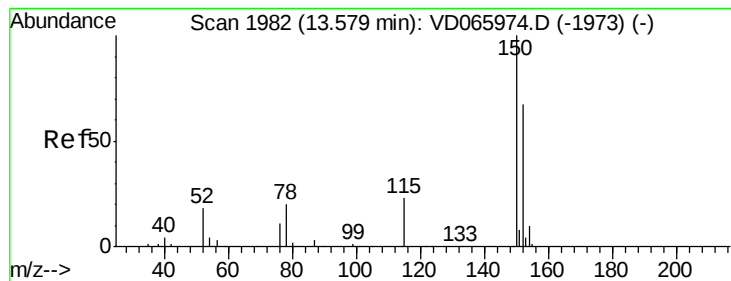
| Tot Ion   | 95    | Resp  | 190419 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 96.3  | 0.0   | 178.8  |
| 176       | 92.0  | 0.0   | 172.6  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD066086.D  
Acq: 29 Jul 2020 12:10

| Tgt Ion   | 117   | Resp  | 420555 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 51.5  | 41.1  | 61.7   |
| 119       | 33.5  | 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: VD066086.D

Acq: 29 Jul 2020 12:10

Instrument :

MSVOA\_D

ClientSampleId :

OK-02-072820

Tot Ion:152 Resp: 213864

Ion Ratio Lower Upper

152 100

115 56.2 27.9 83.7

150 157.8 0.0 348.2

