

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\  
 Data File : VD064183.D  
 Acq On : 11 Nov 2019 17:43  
 Operator : VA/SY  
 Sample : K5760-12  
 Misc : 5.87G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RBR-30

Quant Time: Nov 12 03:25:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110819S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 12 02:43:24 2019  
 Response via : Initial Calibration

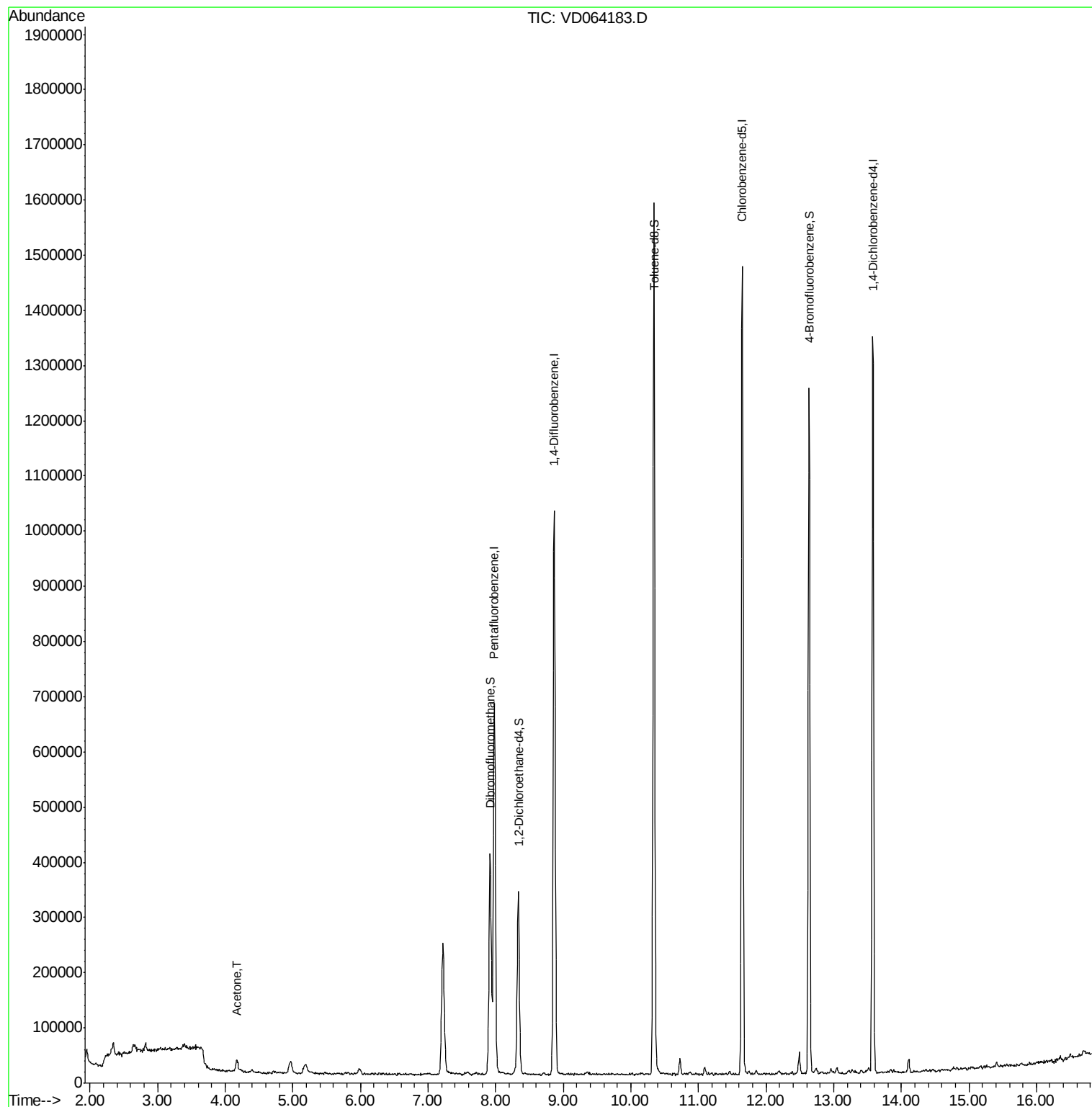
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 533859   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 891199   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 853300   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 365554   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 270001   | 61.49  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 122.98% |           |
| 35) Dibromofluoromethane    | 7.92  | 113  | 281883   | 55.10  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.20% |           |
| 50) Toluene-d8              | 10.34 | 98   | 1082708  | 56.10  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.20% |           |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 375764   | 56.23  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.46% |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 4.17  | 43   | 41923    | 40.305 | ug/l    | Qvalue 92 |

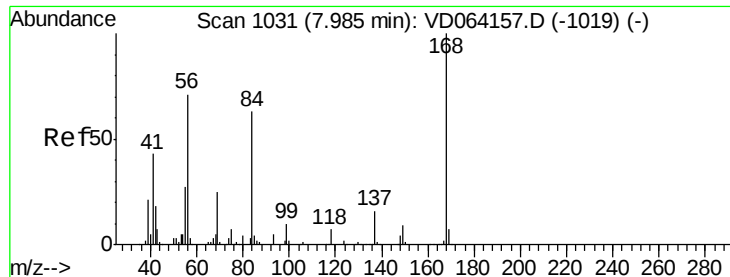
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Nov 12 02:43:24 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064183.D

Acq: 11 Nov 2019 17:43

Instrument :

MSVOA\_D

ClientSampleId :

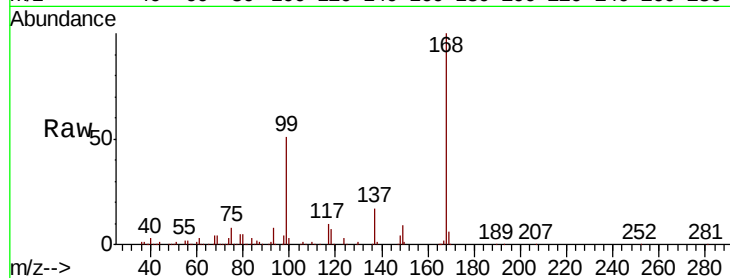
RBR-30

Tot Ion:168 Resp: 533859

Ion Ratio Lower Upper

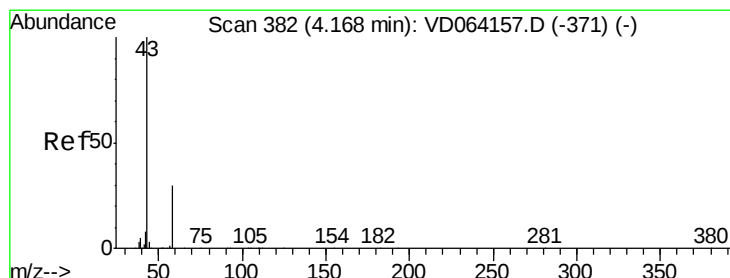
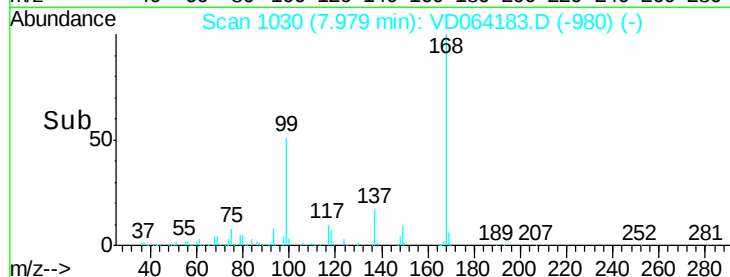
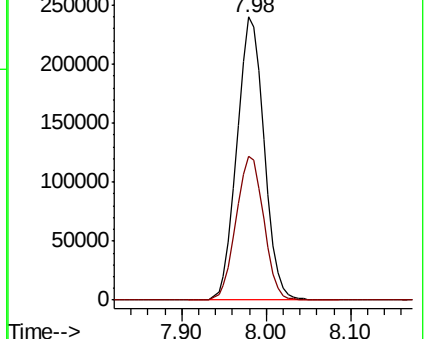
168 100

99 50.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 40.305 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064183.D

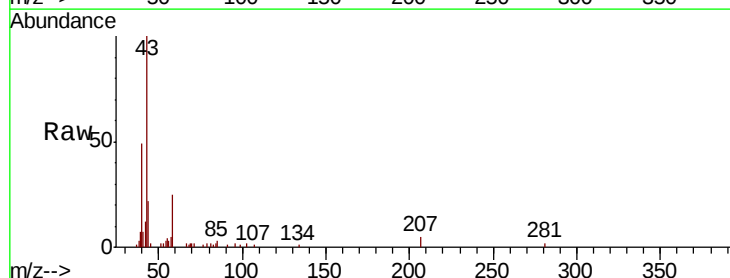
Acq: 11 Nov 2019 17:43

Tgt Ion: 43 Resp: 41923

Ion Ratio Lower Upper

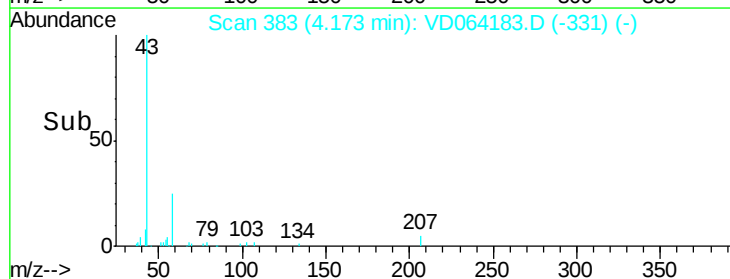
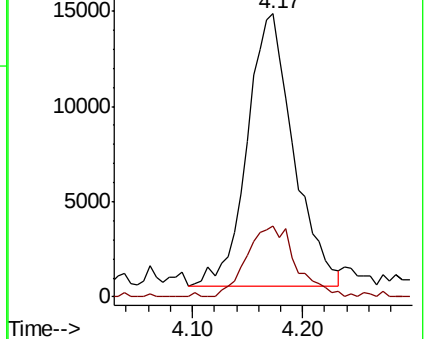
43 100

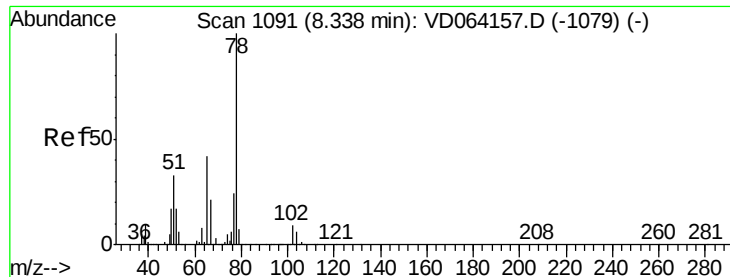
58 26.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

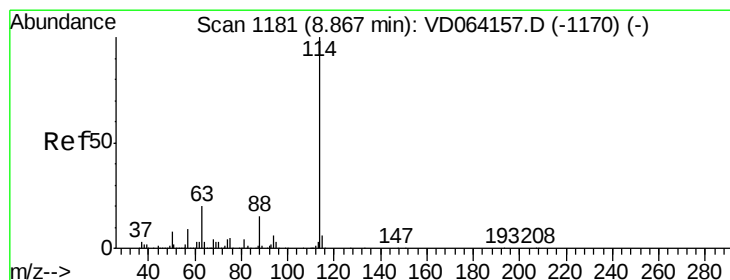
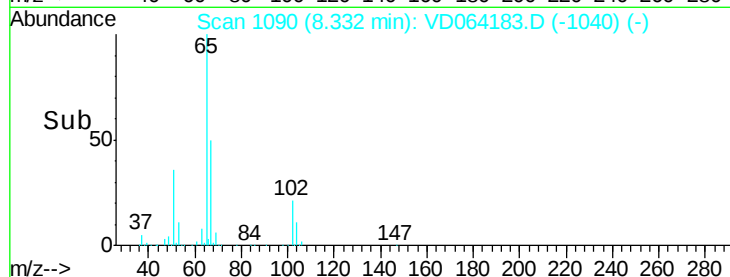
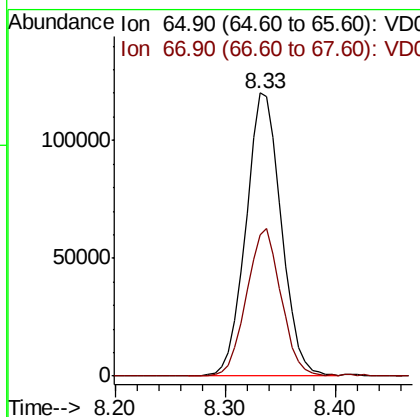
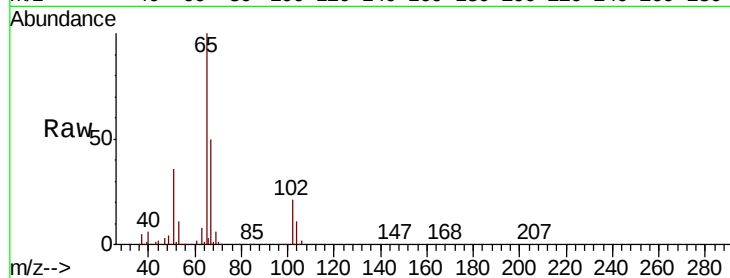




#33  
 1,2-Dichloroethane-d4  
 Concen: 61.494 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.01 min  
 Lab File: VD064183.D  
 Acq: 11 Nov 2019 17:43

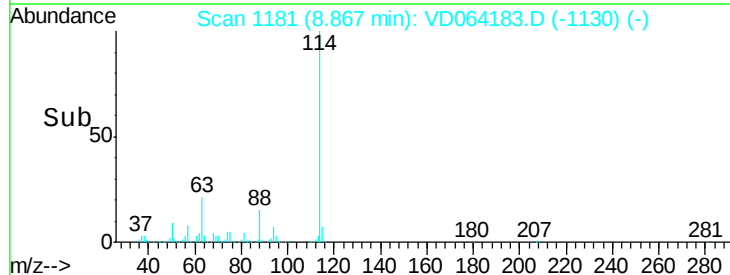
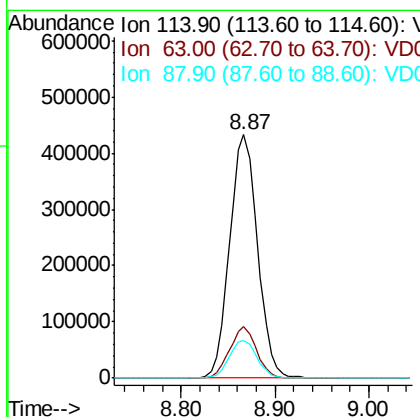
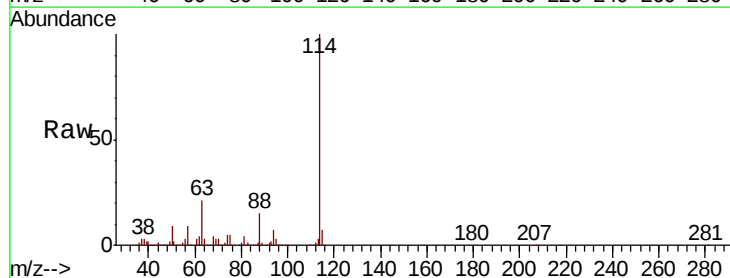
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RBR-30

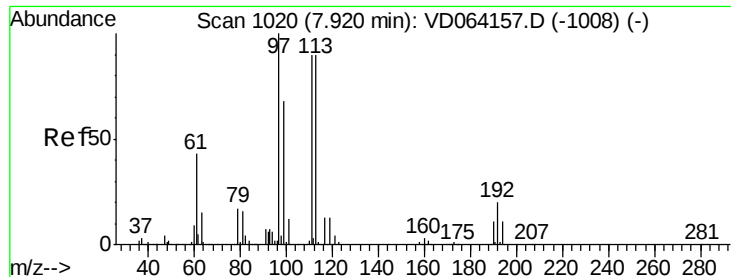
Tot Ion: 65 Resp: 270001  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD064183.D  
 Acq: 11 Nov 2019 17:43

Tgt Ion: 114 Resp: 891199  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 0.0 40.0  
 88 15.4 0.0 30.2

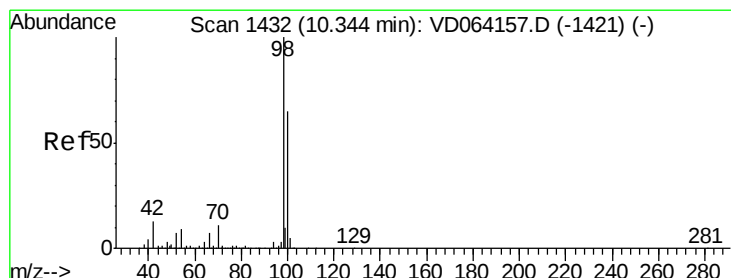
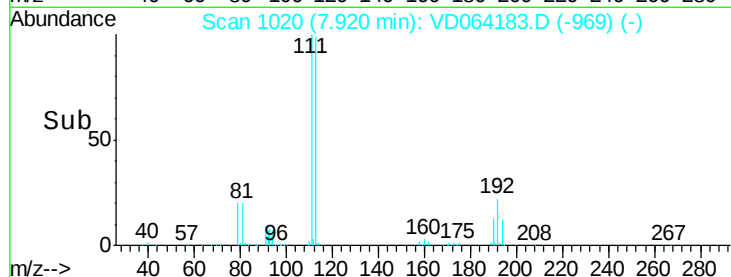
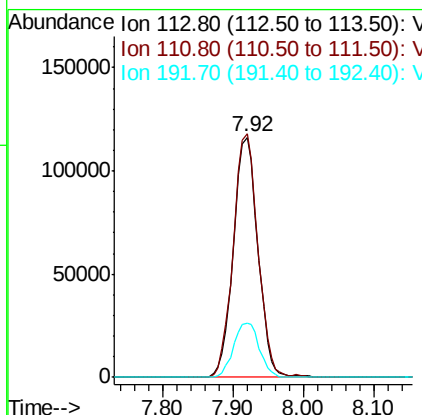
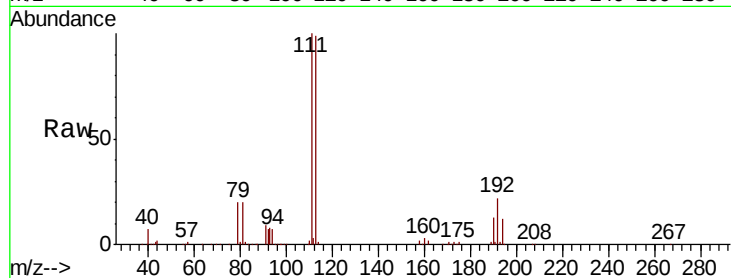




#35  
 Dibromofluoromethane  
 Concen: 55.102 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: VD064183.D  
 Acq: 11 Nov 2019 17:43

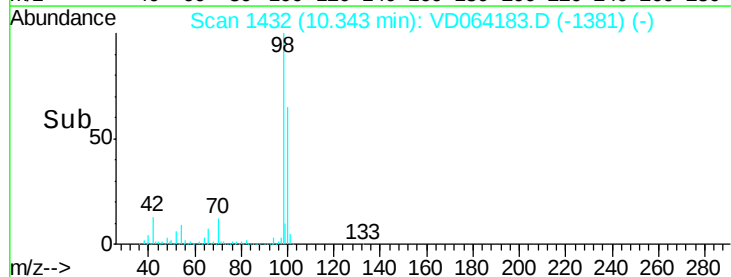
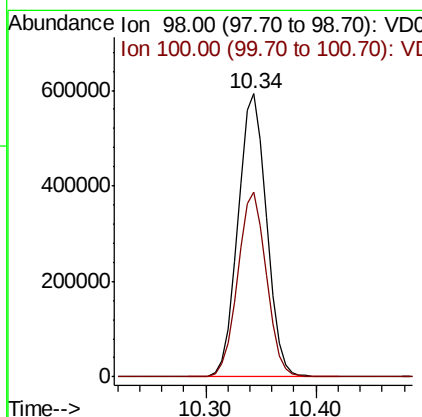
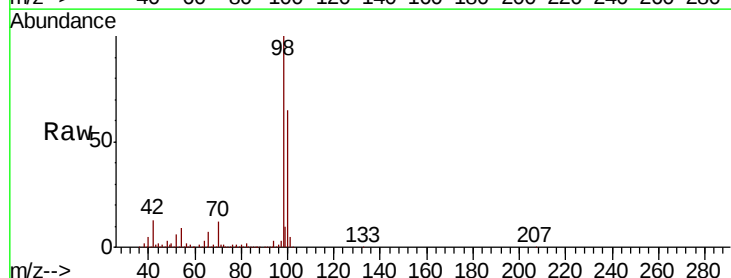
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RBR-30

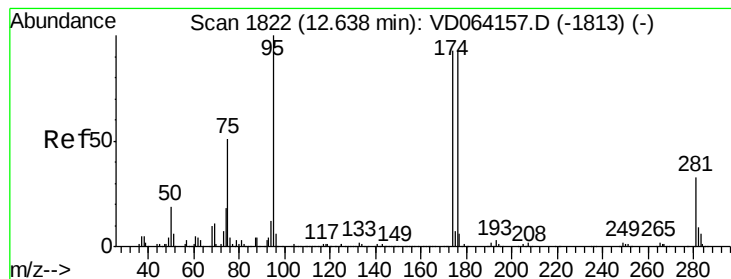
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 81.5  | 122.3 |
| 192     | 23.6  | 18.8  | 28.2  |



#50  
 Toluene-d8  
 Concen: 56.104 ug/l  
 RT: 10.34 min Scan# 1432  
 Delta R.T. -0.00 min  
 Lab File: VD064183.D  
 Acq: 11 Nov 2019 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.3  | 52.6  | 78.8  |





#62

4-Bromofluorobenzene

Concen: 56.226 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064183.D

Acq: 11 Nov 2019 17:43

Instrument :

MSVOA\_D

ClientSampleId :

RBR-30

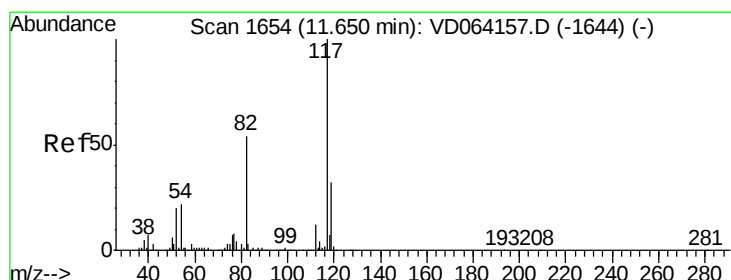
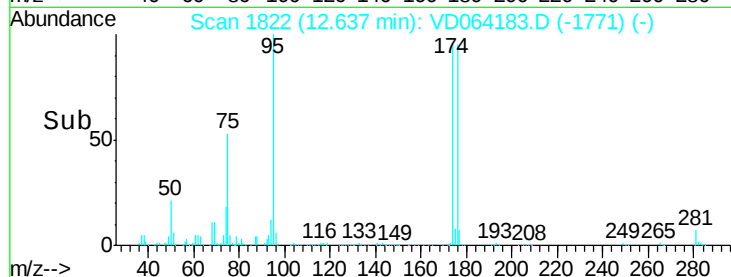
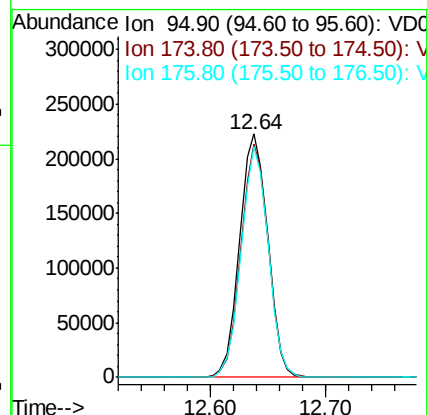
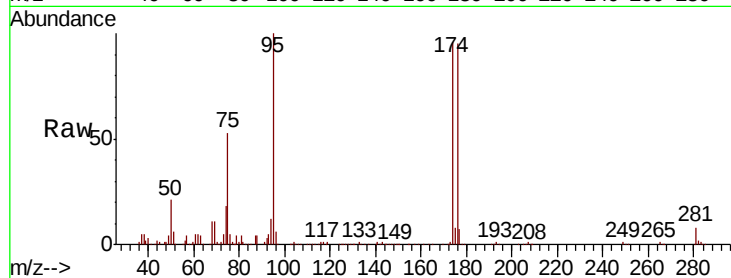
Tot Ion: 95 Resp: 375764

Ion Ratio Lower Upper

95 100

174 93.4 0.0 183.6

176 91.3 0.0 180.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064183.D

Acq: 11 Nov 2019 17:43

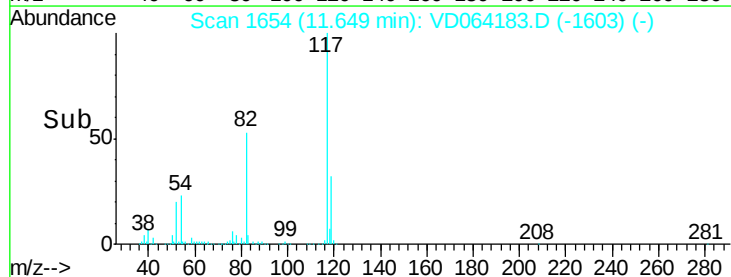
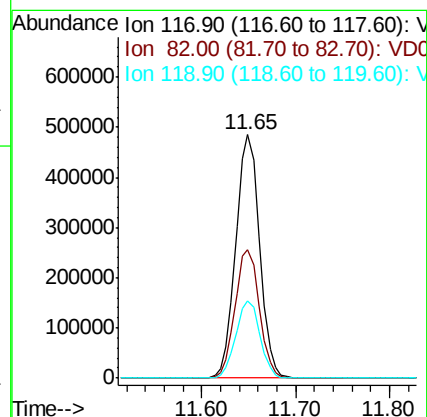
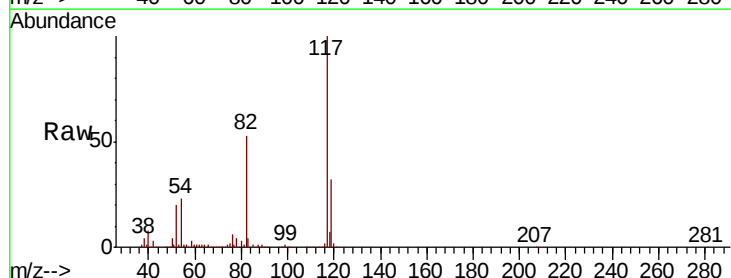
Tgt Ion: 117 Resp: 853300

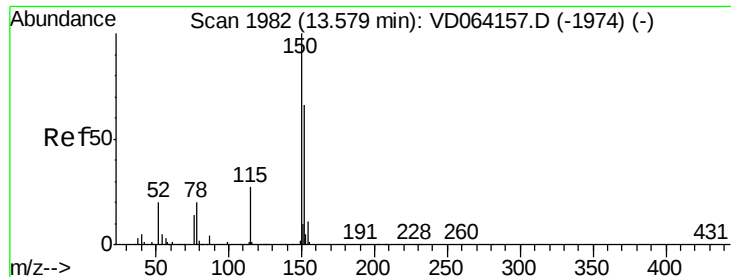
Ion Ratio Lower Upper

117 100

82 52.9 42.8 64.2

119 31.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD064183.D

Acq: 11 Nov 2019 17:43

Instrument :

MSVOA\_D

ClientSampleId :

RBR-30

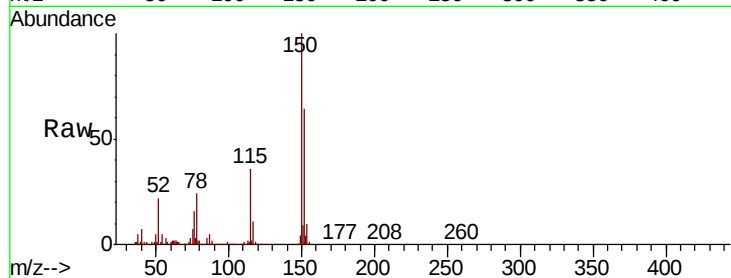
Tot Ion:152 Resp: 365554

Ion Ratio Lower Upper

152 100

115 55.3 27.4 82.2

150 157.5 0.0 351.6



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

