

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD010320\  
 Data File : VD064766.D  
 Acq On : 04 Jan 2020 07:50  
 Operator : VA/SY  
 Sample : K6479-01  
 Misc : 7.78G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 Q091-SB-01

Quant Time: Jan 06 08:29:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122419S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 24 13:19:06 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 486484   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 737030   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 590859   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 164800   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 219427   | 51.15 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.30% |      |
| 35) Dibromofluoromethane    | 7.92   | 113 | 229263   | 50.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.40% |      |
| 50) Toluene-d8              | 10.34  | 98  | 871315   | 50.31 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.62% |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 198555   | 36.26 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 72.52%  |      |

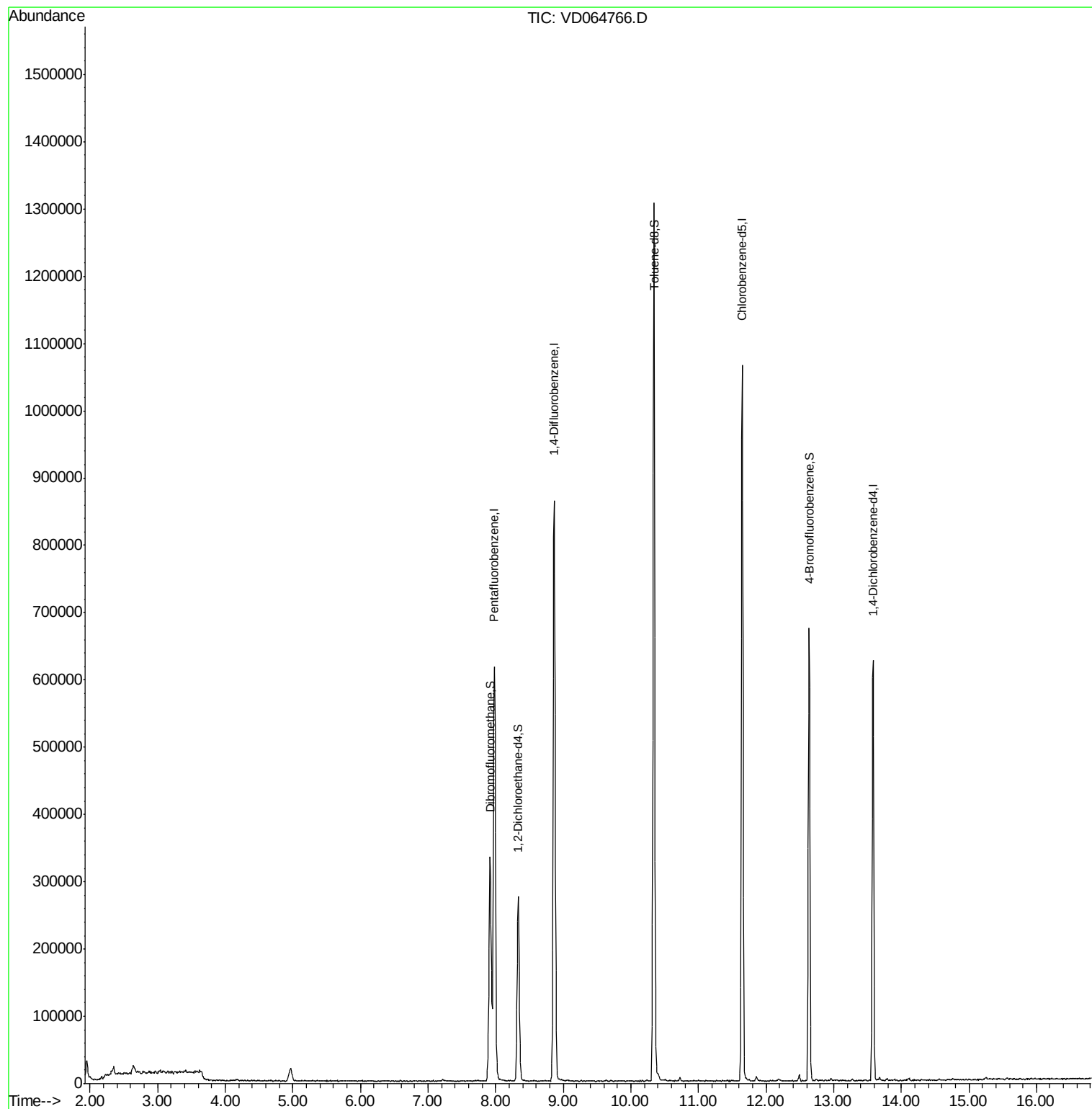
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

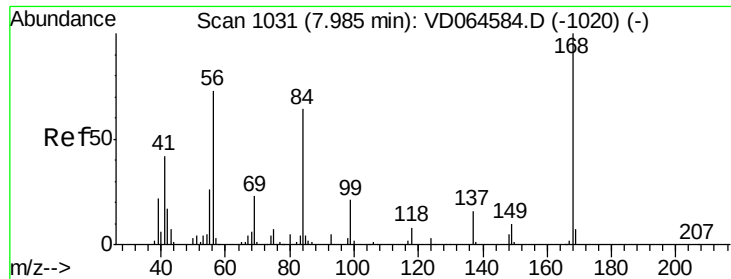
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Dec 24 13:19:06 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064766.D

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Instrument :

MSVOA\_D

ClientSampleId :

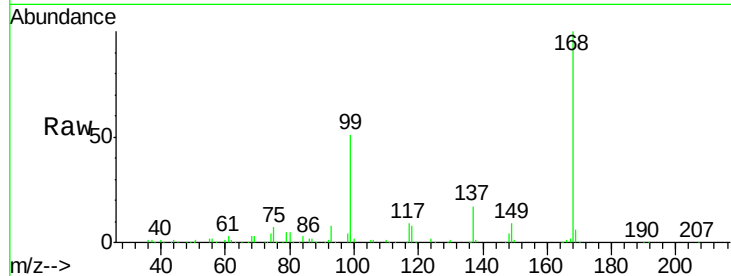
Q091-SB-01

Tgt Ion:168 Resp: 486484

Ion Ratio Lower Upper

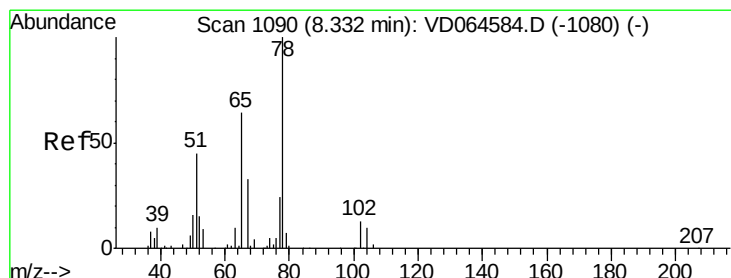
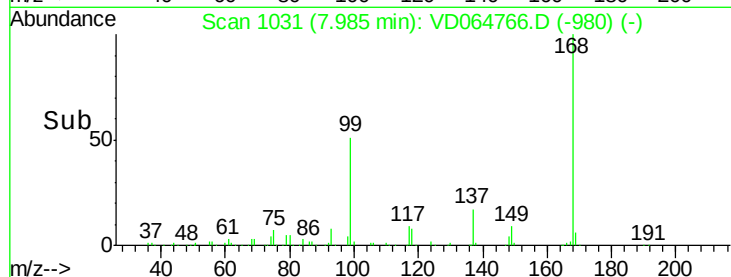
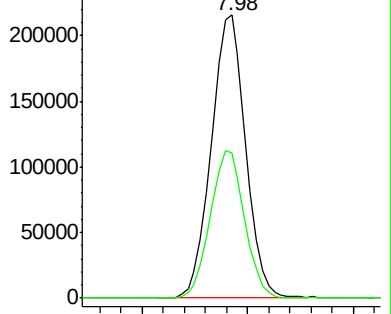
168 100

99 51.1 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 51.151 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064766.D

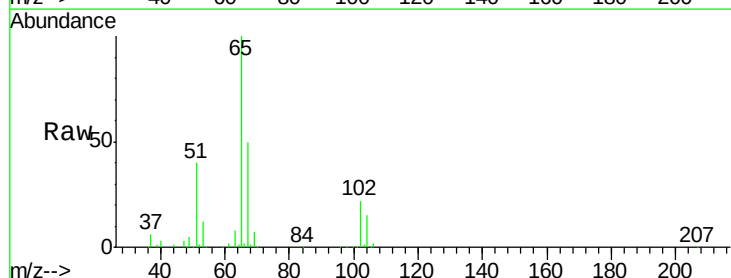
Acq: 04 Jan 2020 07:50

Tgt Ion: 65 Resp: 219427

Ion Ratio Lower Upper

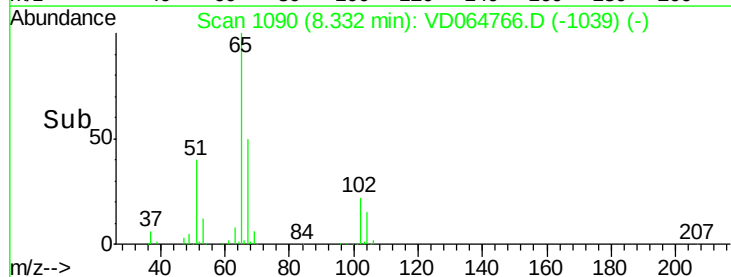
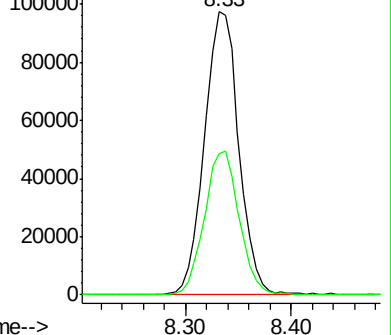
65 100

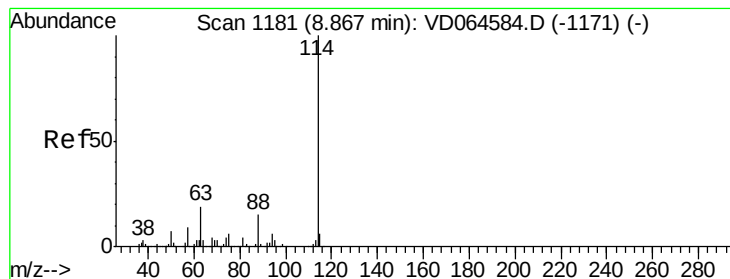
67 51.3 0.0 106.2



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: VD064766.D

Acq: 04 Jan 2020 07:50

Instrument :

MSVOA\_D

ClientSampleId :

Q091-SB-01

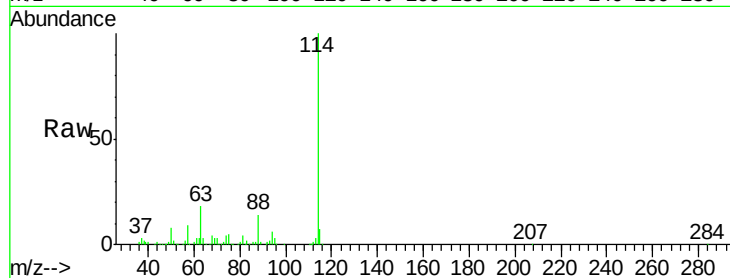
Tgt Ion:114 Resp: 737030

Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.0

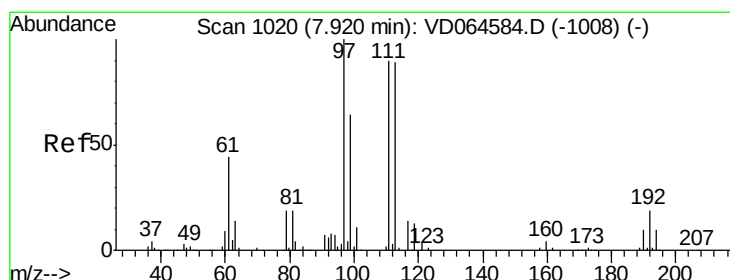
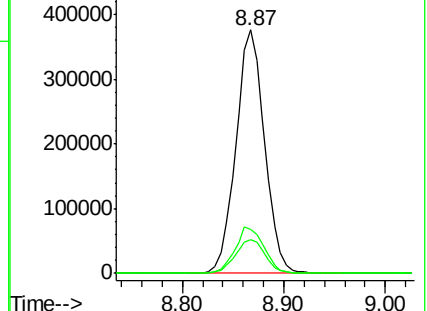
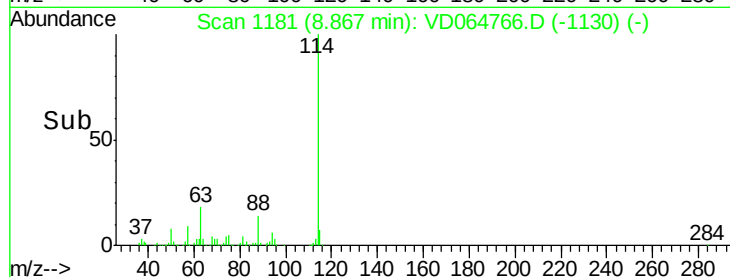
88 13.6 0.0 29.2



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: 50.702 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064766.D

Acq: 04 Jan 2020 07:50

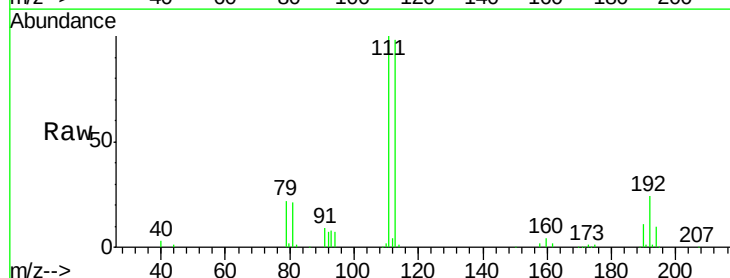
Tgt Ion:113 Resp: 229263

Ion Ratio Lower Upper

113 100

111 103.6 80.6 121.0

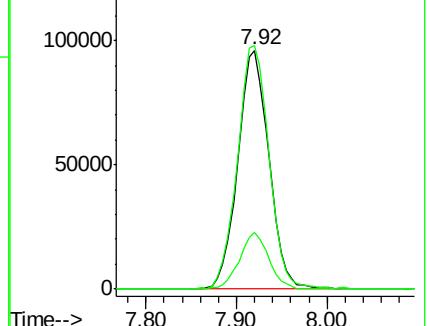
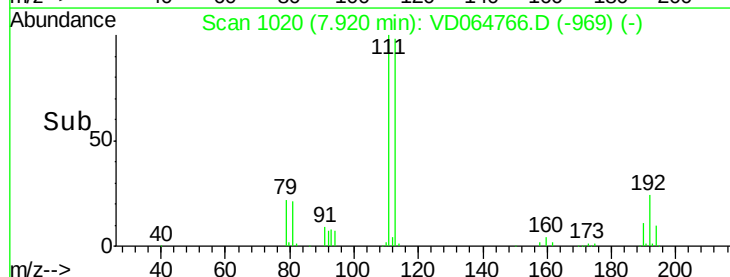
192 22.4 17.9 26.9

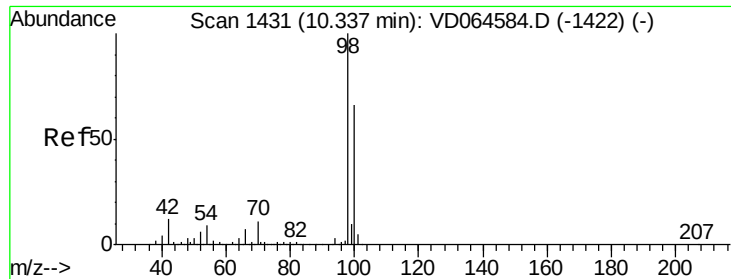


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

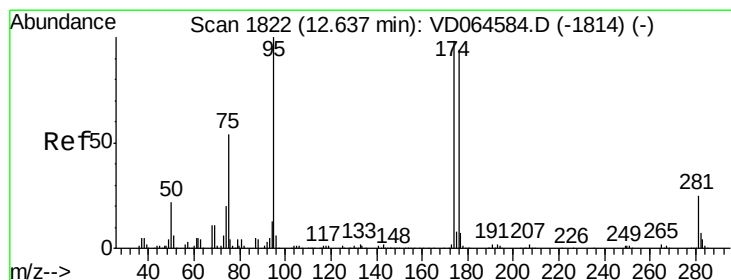
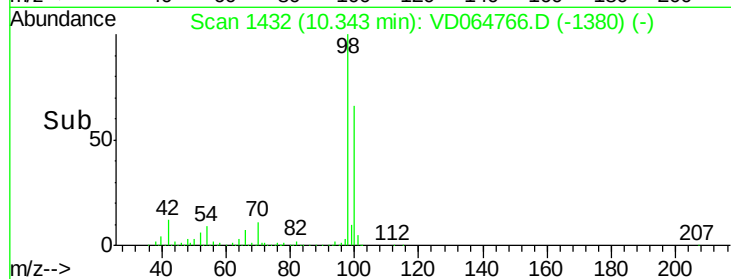
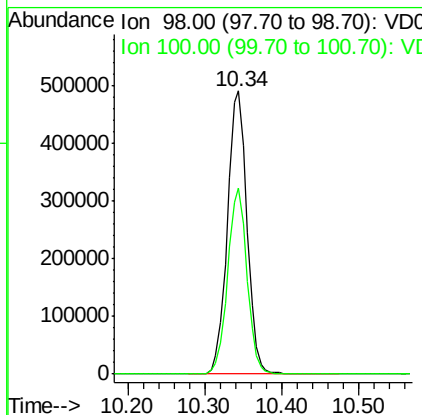
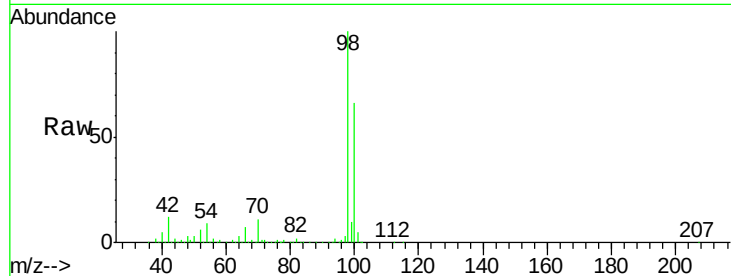




#50  
Toluene-d8  
Concen: 50.313 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.01 min  
Lab File: VD064766.D  
Acq: 04 Jan 2020 07:50

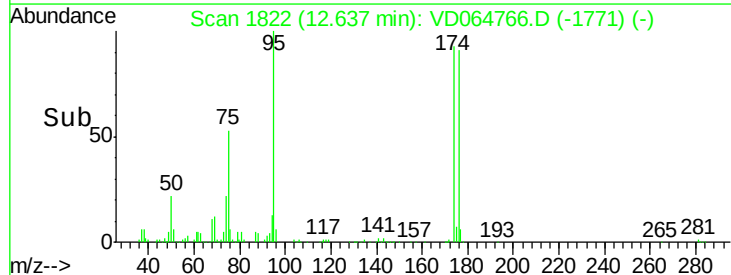
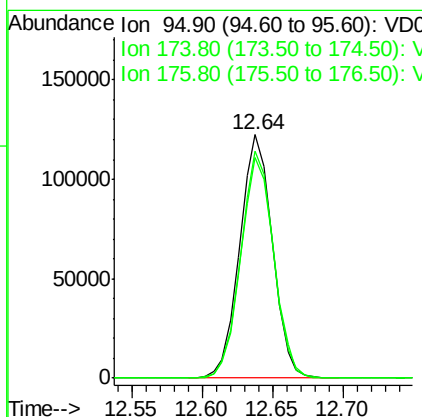
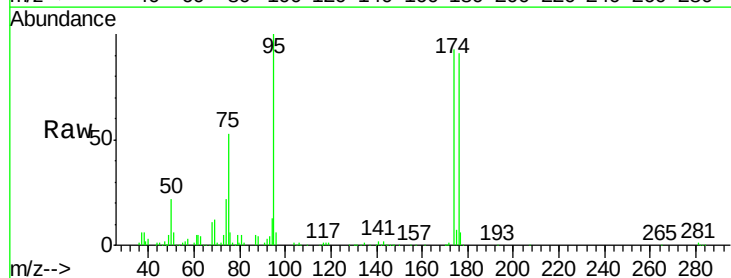
Instrument :  
MSVOA\_D  
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Q091-SB-01

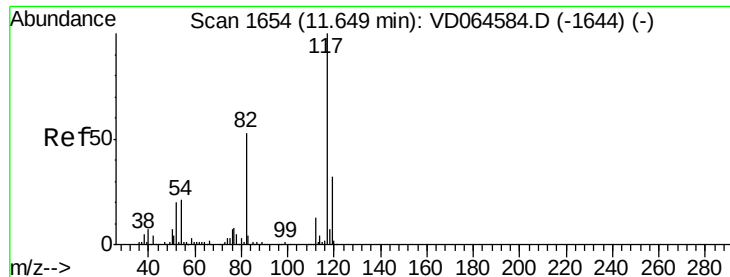
Tgt Ion: 98 Resp: 871315  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 36.258 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD064766.D  
Acq: 04 Jan 2020 07:50

Tgt Ion: 95 Resp: 198555  
Ion Ratio Lower Upper  
95 100  
174 93.8 0.0 193.2  
176 91.8 0.0 184.2

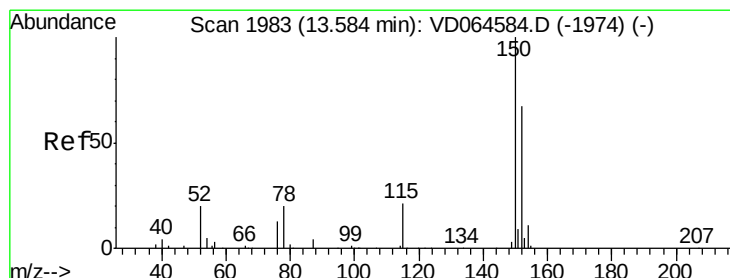
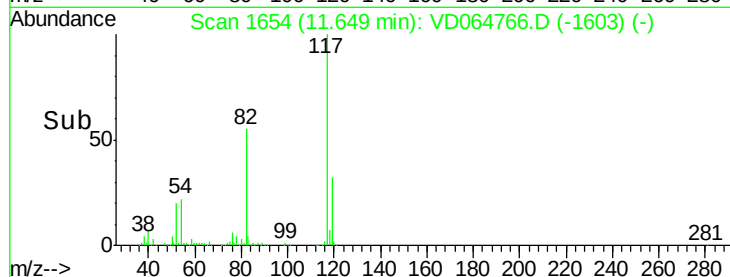
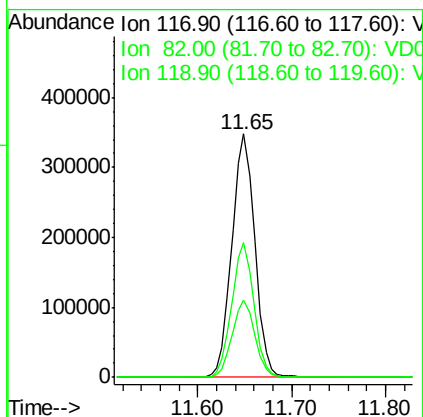
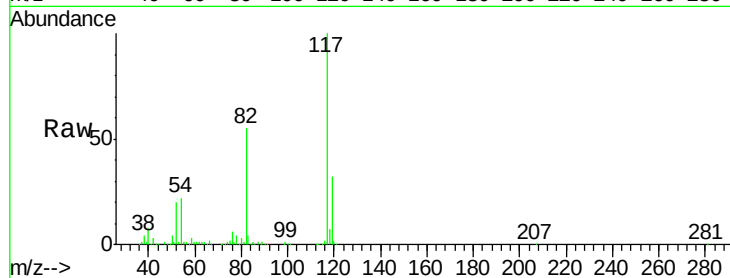




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD064766.D  
Acq: 04 Jan 2020 07:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
Q091-SB-01

Tgt Ion:117 Resp: 590859  
Ion Ratio Lower Upper  
117 100  
82 55.2 42.2 63.4  
119 31.9 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: VD064766.D  
Acq: 04 Jan 2020 07:50

Tgt Ion:152 Resp: 164800  
Ion Ratio Lower Upper  
152 100  
115 55.2 27.8 83.4  
150 161.0 0.0 351.4

