

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\  
 Data File : VD067394.D  
 Acq On : 26 Oct 2020 16:02  
 Operator : VA/SY  
 Sample : L4510-06  
 Misc : 6.76G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VOC-6

Quant Time: Oct 27 01:25:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 19 19:13:29 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 302003   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 492502   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 485731   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 241345   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.34   | 65  | 155519   | 51.40 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.80% |      |
| 35) Dibromofluoromethane    | 7.91   | 113 | 159650   | 48.71 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.42%  |      |
| 50) Toluene-d8              | 10.34  | 98  | 584039   | 49.24 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.48%  |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 211216   | 51.21 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.42% |      |

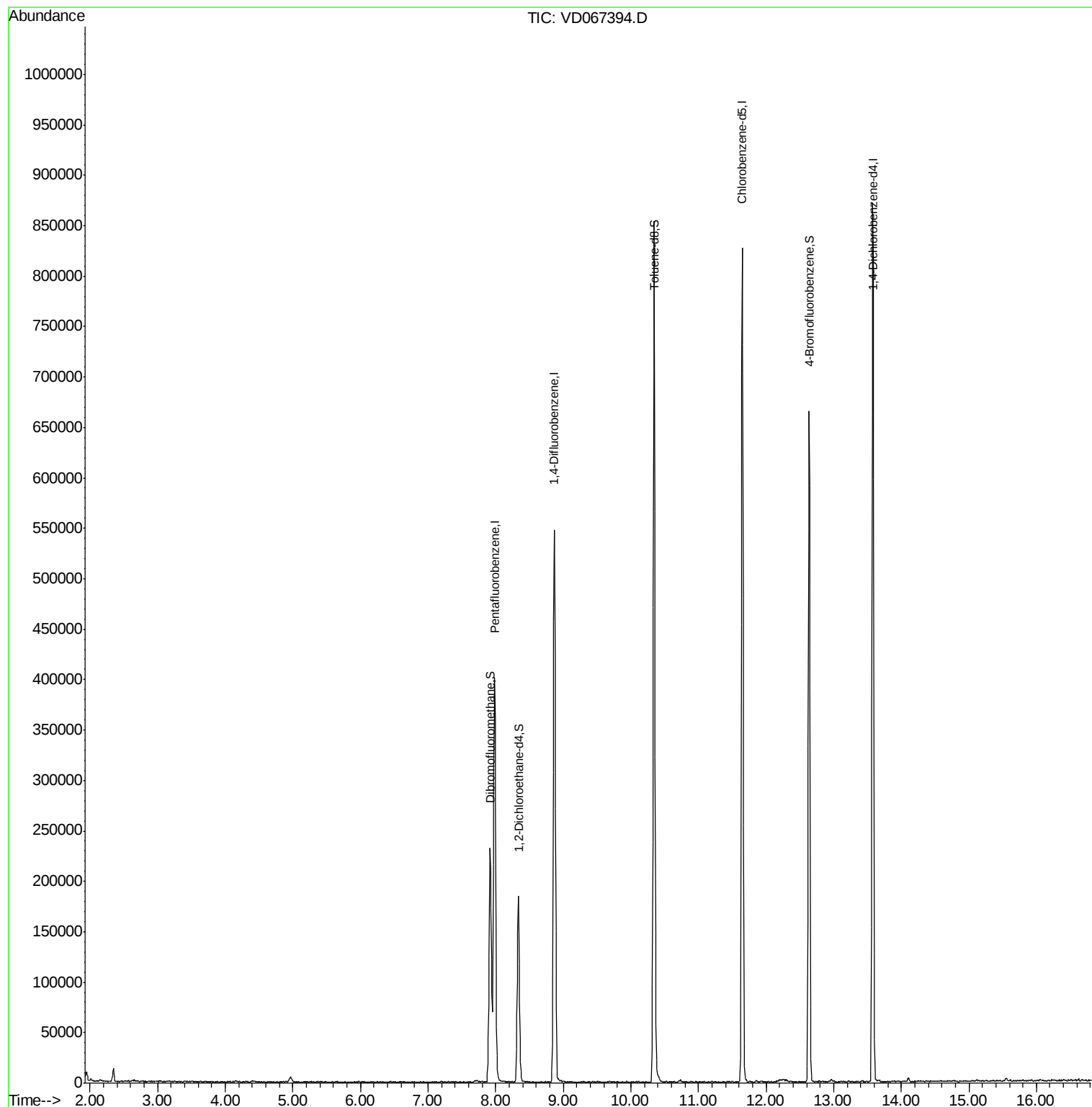
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

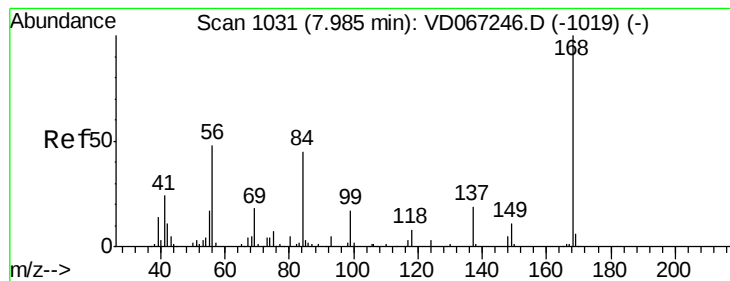
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 19 19:13:29 2020  
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: VD067394.D

Acq: 26 Oct 2020 16:02

Instrument :

MSVOA\_D

ClientSampleId :

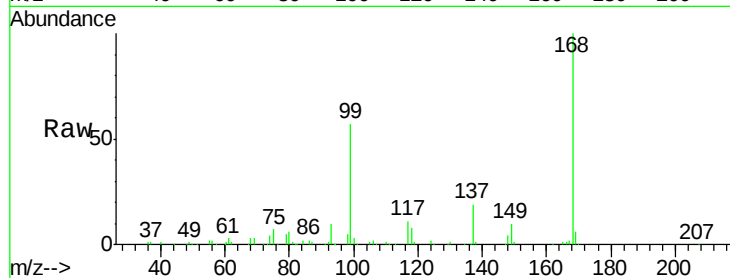
VOC-6

Tot Ion:168 Resp: 302003

Ion Ratio Lower Upper

168 100

99 56.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

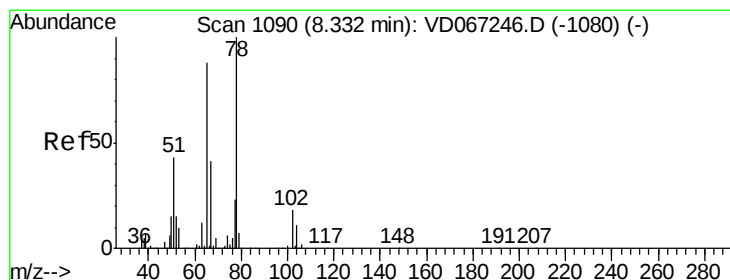
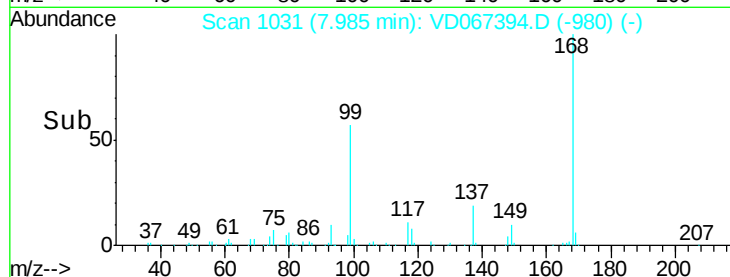
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 51.401 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067394.D

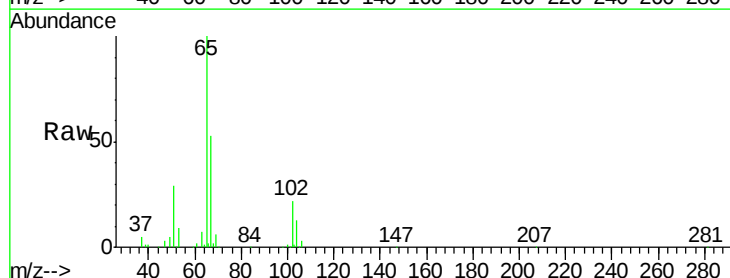
Acq: 26 Oct 2020 16:02

Tgt Ion: 65 Resp: 155519

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

80000

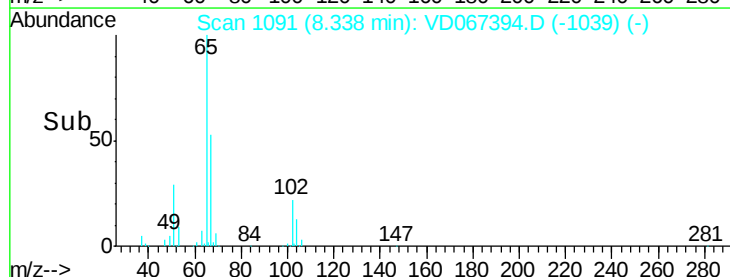
60000

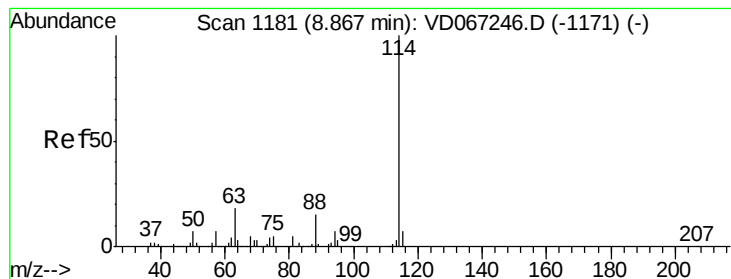
40000

20000

0

Time--> 8.20 8.30 8.40 8.50





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067394.D

Acq: 26 Oct 2020 16:02

Instrument :

MSVOA\_D

ClientSampleId :

VOC-6

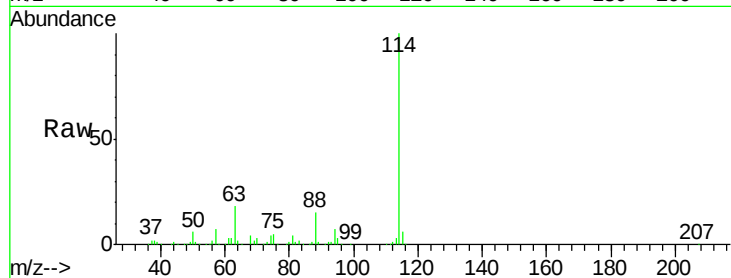
Tot Ion:114 Resp: 492502

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

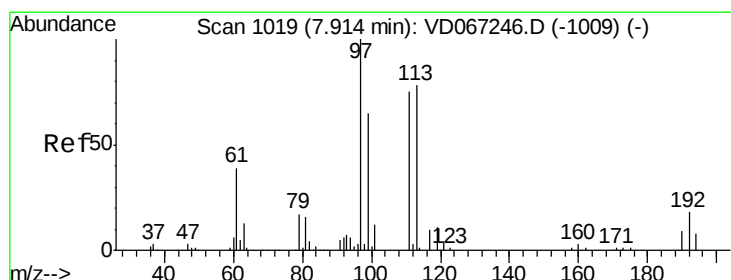
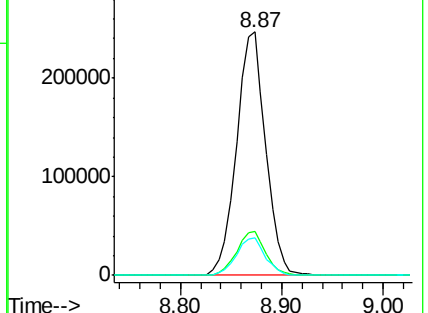
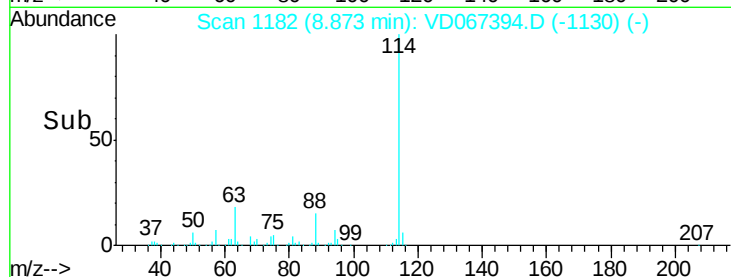
88 15.3 0.0 30.6



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: 48.709 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067394.D

Acq: 26 Oct 2020 16:02

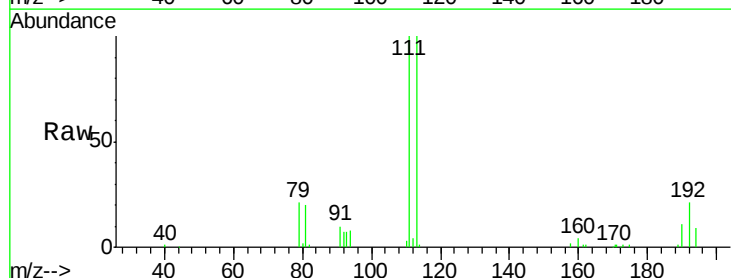
Tgt Ion:113 Resp: 159650

Ion Ratio Lower Upper

113 100

111 106.9 81.6 122.4

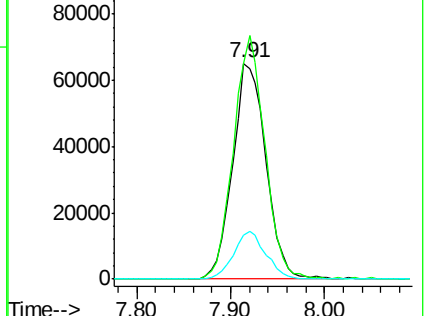
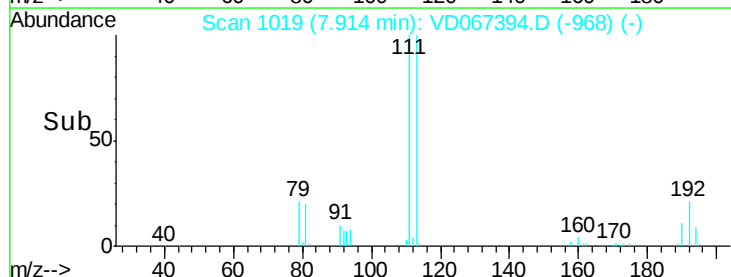
192 21.3 17.0 25.4

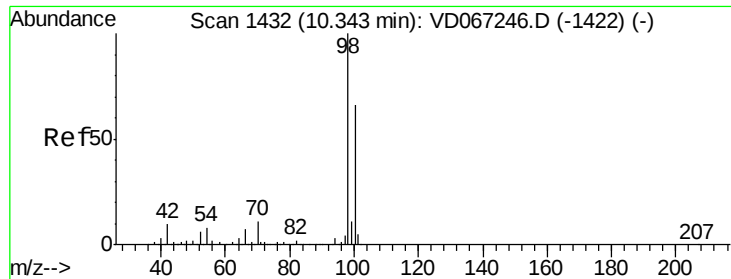


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.239 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067394.D

Acq: 26 Oct 2020 16:02

Instrument :

MSVOA\_D

ClientSampleId :

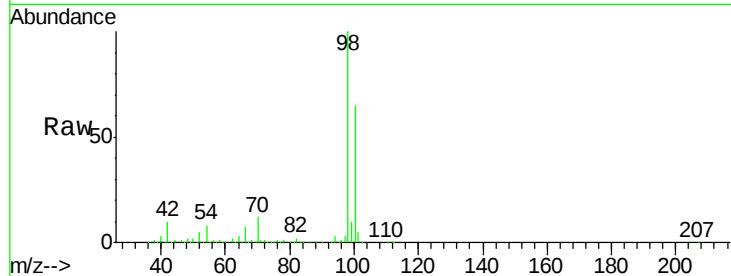
VOC-6

Tot Ion: 98 Resp: 584039

Ion Ratio Lower Upper

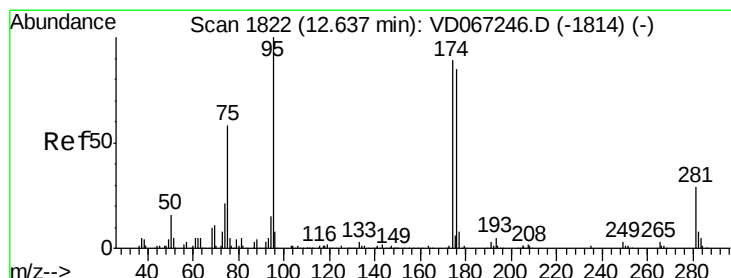
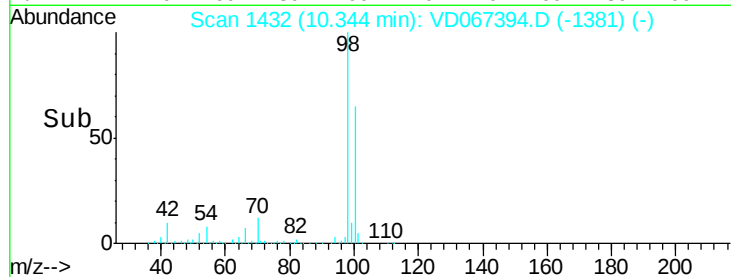
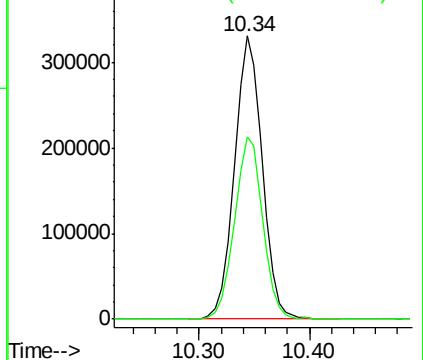
98 100

100 65.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 51.211 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067394.D

Acq: 26 Oct 2020 16:02

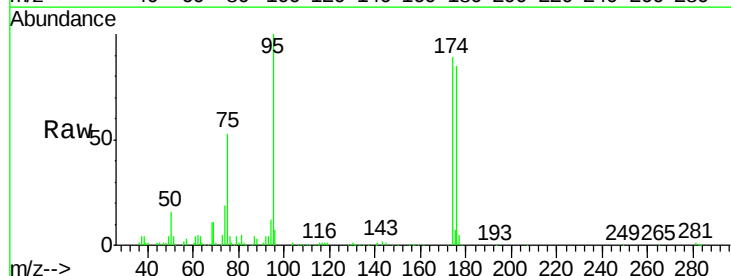
Tgt Ion: 95 Resp: 211216

Ion Ratio Lower Upper

95 100

174 88.3 0.0 175.2

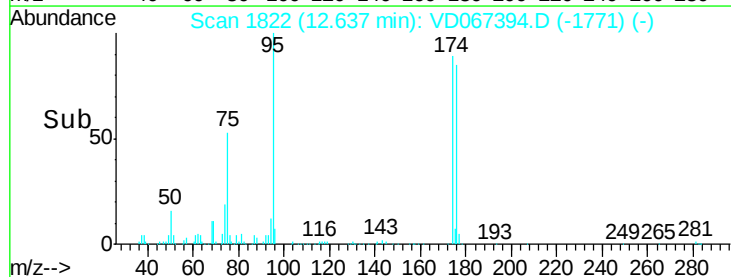
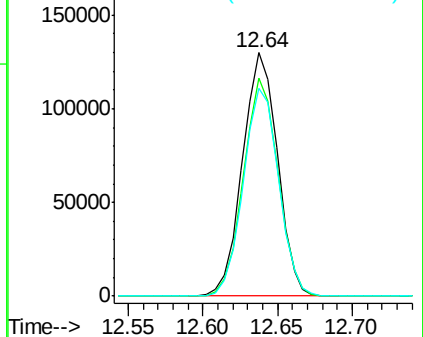
176 86.0 0.0 168.6



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

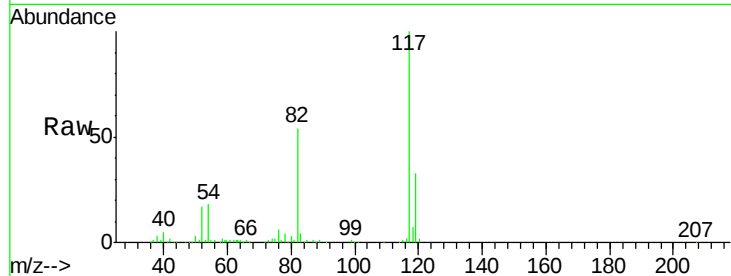




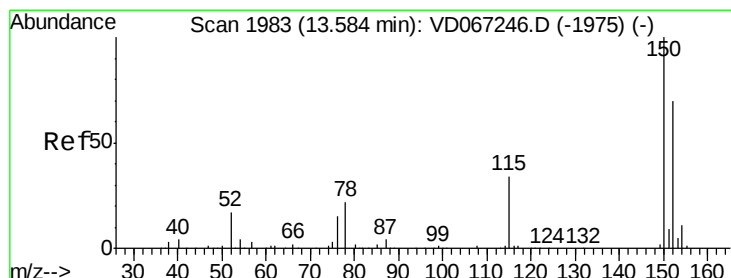
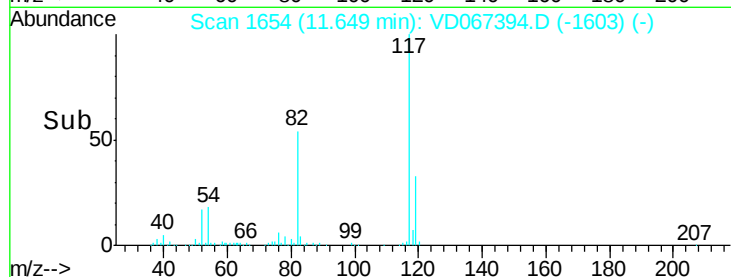
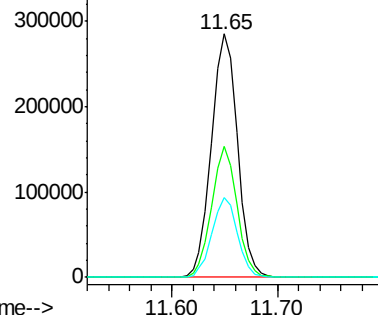
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD067394.D  
Acq: 26 Oct 2020 16:02

Instrument :  
MSVOA\_D  
ClientSampleId :  
VOC-6

Tot Ion:117 Resp: 485731  
Ion Ratio Lower Upper  
117 100  
82 53.6 39.9 59.9  
119 33.0 24.9 37.3

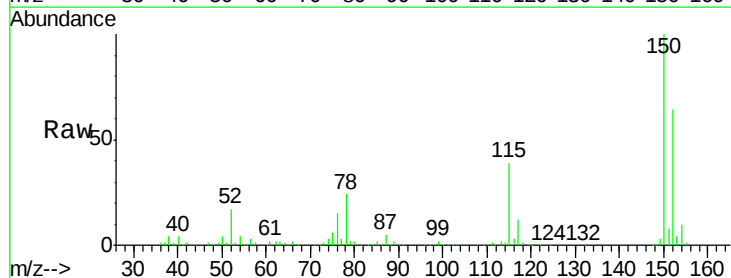


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.01 min  
Lab File: VD067394.D  
Acq: 26 Oct 2020 16:02

Tgt Ion:152 Resp: 241345  
Ion Ratio Lower Upper  
152 100  
115 59.9 29.3 87.9  
150 156.8 0.0 339.0



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

