

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD103119\  
 Data File : VD064131.D  
 Acq On : 31 Oct 2019 14:28  
 Operator : VA/SY  
 Sample : K5138-01  
 Misc : 8.28G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 AU-08-103019

Quant Time: Nov 01 07:42:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D102919S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 08:00:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 61051    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 103907   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 112753   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 59435    | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 37239    | 76.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 153.40% |      |
| 35) Dibromofluoromethane    | 7.91   | 113 | 34299    | 53.65 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.30% |      |
| 50) Toluene-d8              | 10.34  | 98  | 124714   | 48.78 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.56%  |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 46050    | 54.33 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.66% |      |

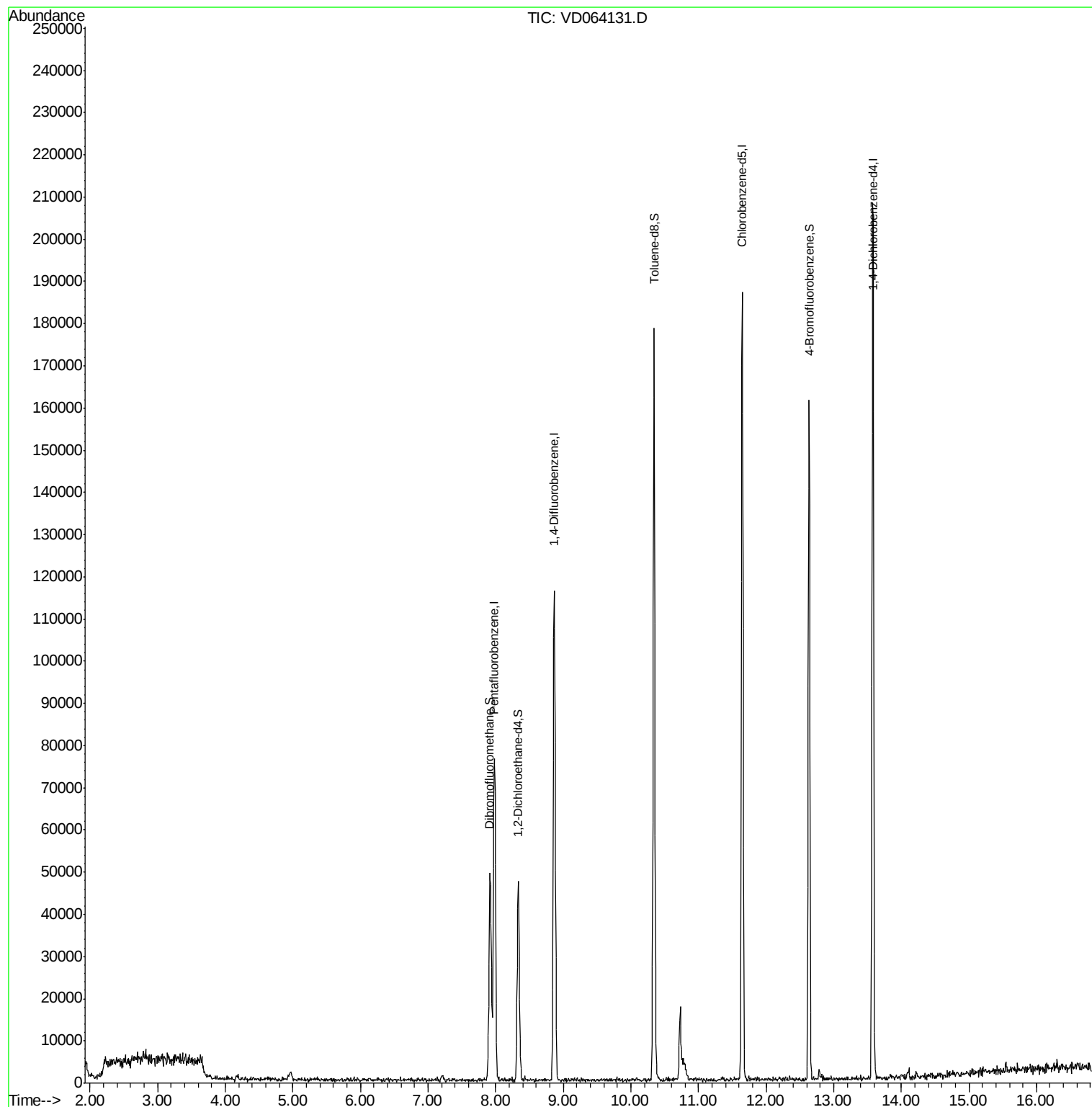
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

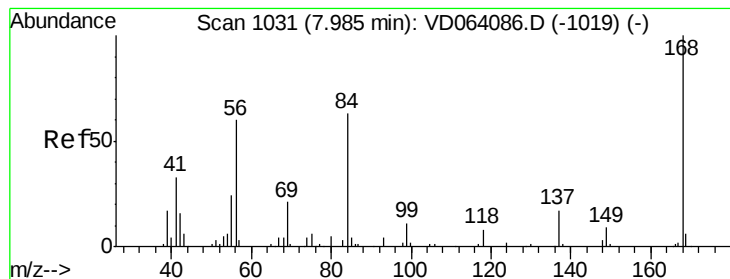
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD103119\  
Data File : VD064131.D  
Acq On : 31 Oct 2019 14:28  
Operator : VA/SY  
Sample : K5138-01  
Misc : 8.28G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
AU-08-103019

Quant Time: Nov 01 07:42:42 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D102919S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 30 08:00:10 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: VD064131.D

Acq: 31 Oct 2019 14:28

Instrument :

MSVOA\_D

ClientSampleId :

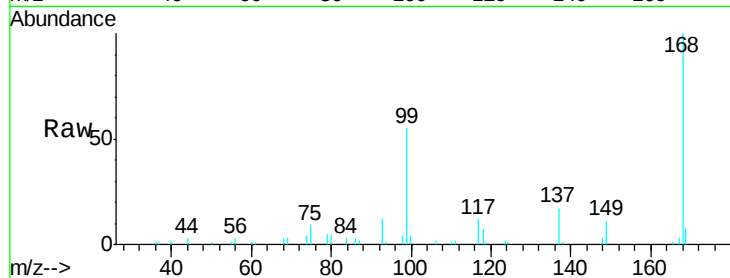
AU-08-103019

Tgt Ion:168 Resp: 61051

Ion Ratio Lower Upper

168 100

99 54.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

25000

20000

15000

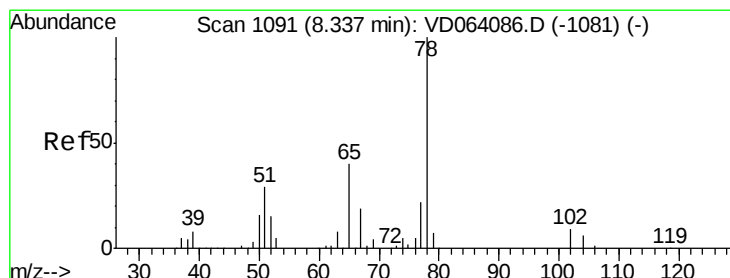
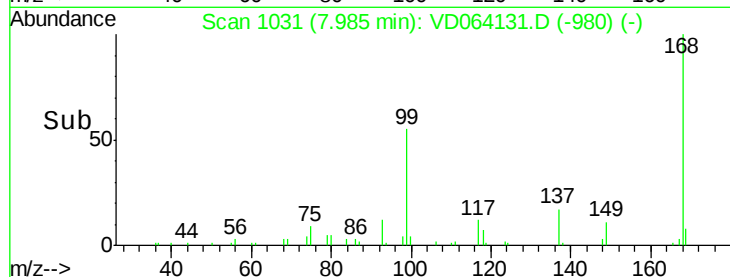
10000

5000

0

Time-->

7.90 7.95 8.00 8.05



#33

1,2-Dichloroethane-d4

Concen: 76.695 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064131.D

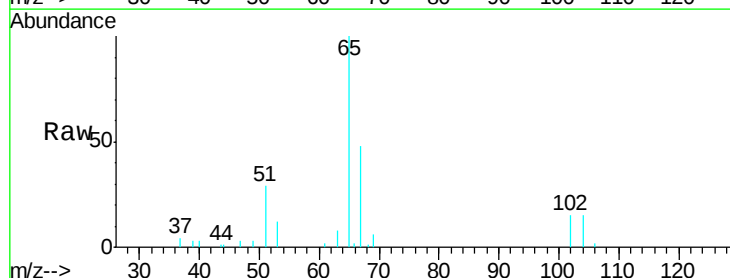
Acq: 31 Oct 2019 14:28

Tgt Ion: 65 Resp: 37239

Ion Ratio Lower Upper

65 100

67 54.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

20000

15000

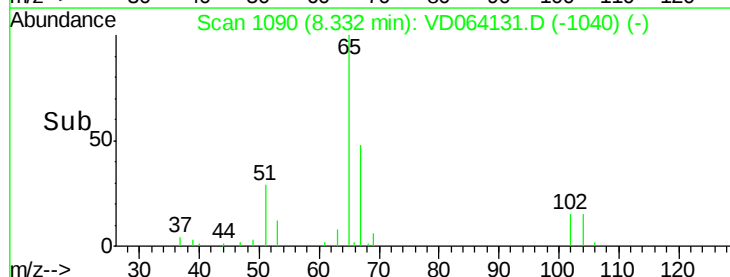
10000

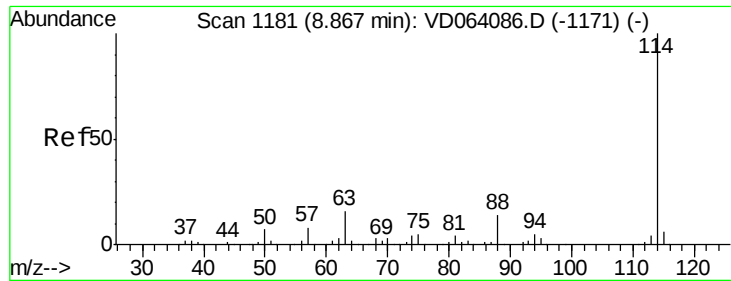
5000

0

Time-->

8.25 8.30 8.35 8.40

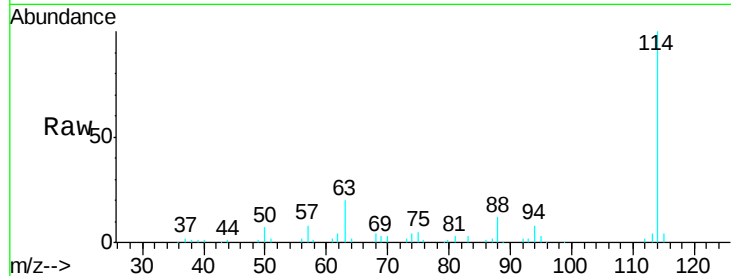




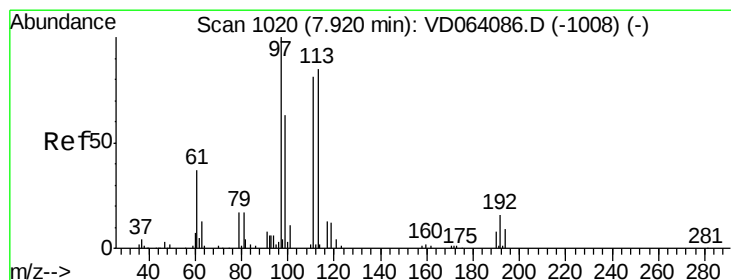
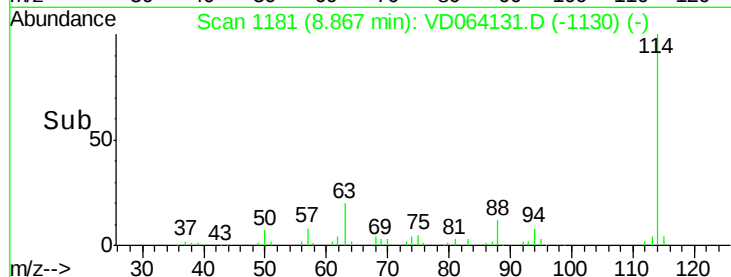
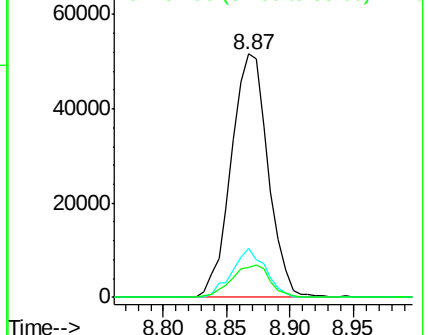
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD064131.D  
 Acq: 31 Oct 2019 14:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 AU-08-103019

Tgt Ion:114 Resp: 103907  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 32.8  
 88 12.5 0.0 27.6

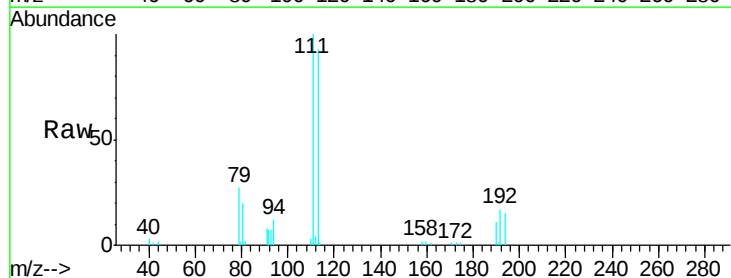


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

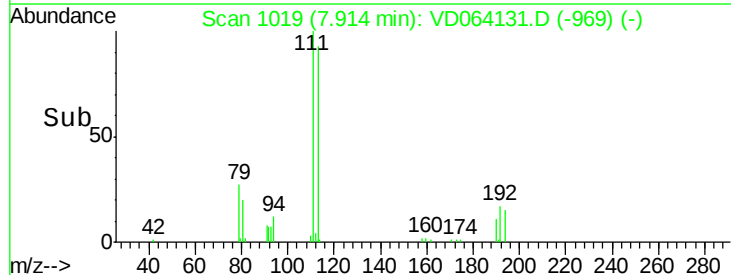
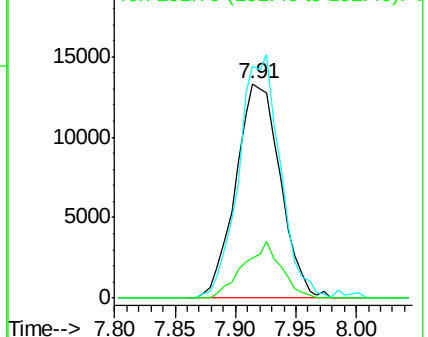


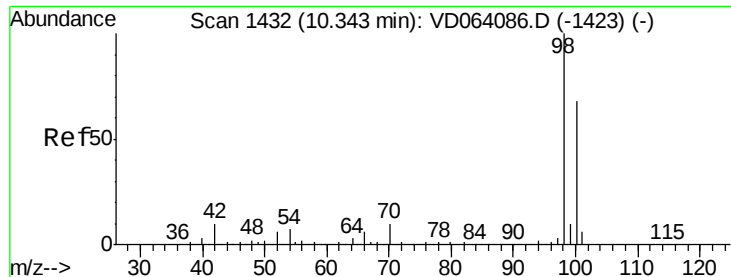
#35  
 Dibromofluoromethane  
 Concen: 53.654 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: VD064131.D  
 Acq: 31 Oct 2019 14:28

Tgt Ion:113 Resp: 34299  
 Ion Ratio Lower Upper  
 113 100  
 111 105.1 79.3 118.9  
 192 22.3 16.2 24.2



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

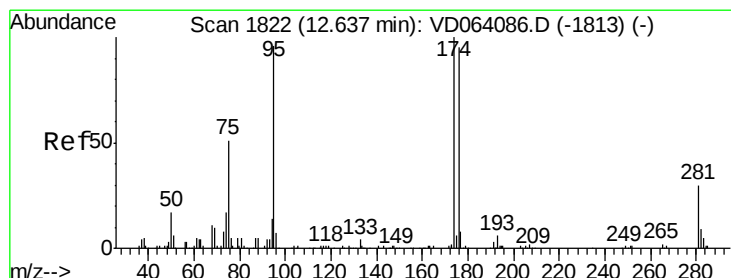
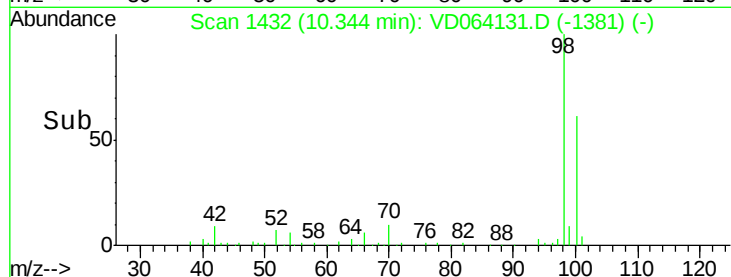
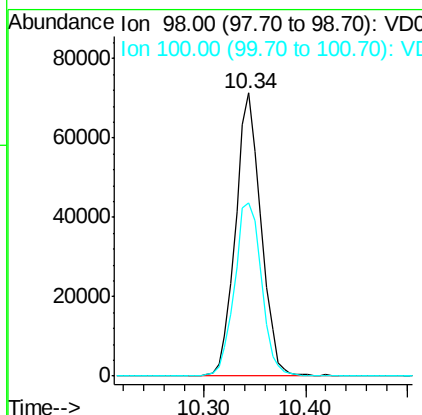
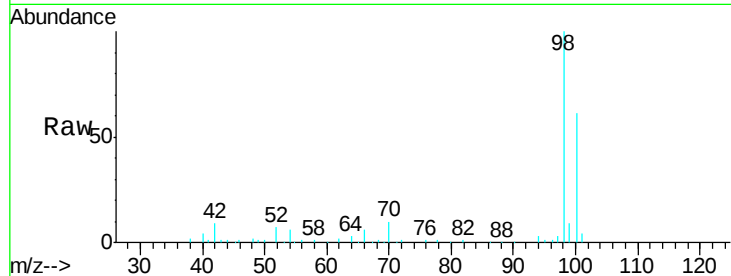




#50  
Toluene-d8  
Concen: 48.783 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD064131.D  
Acq: 31 Oct 2019 14:28

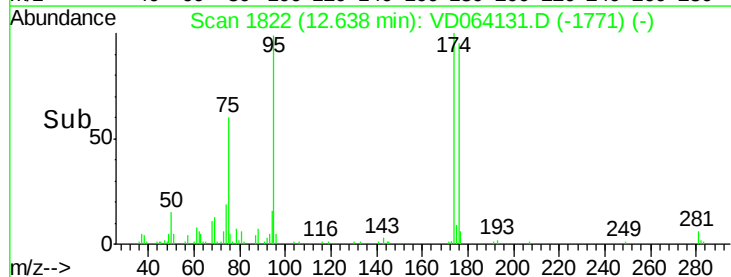
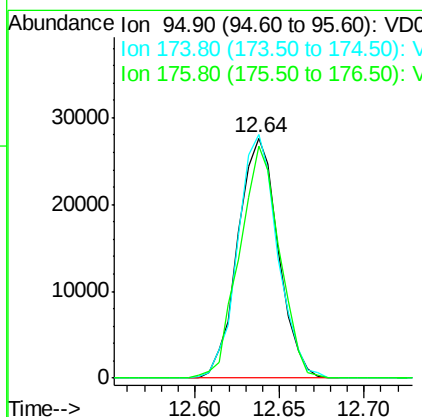
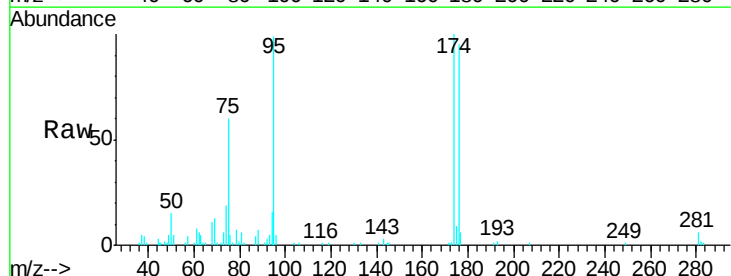
Instrument :  
MSVOA\_D  
ClientSampleId :  
AU-08-103019

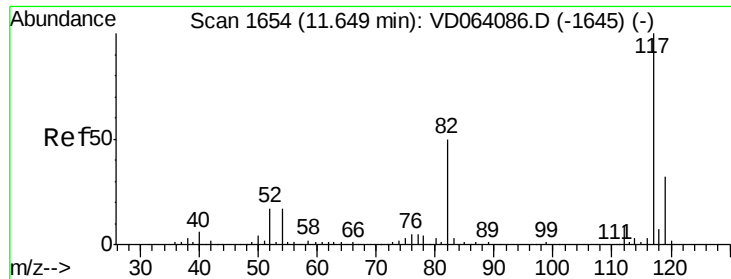
Tgt Ion: 98 Resp: 124714  
Ion Ratio Lower Upper  
98 100  
100 65.1 53.4 80.0



#62  
4-Bromofluorobenzene  
Concen: 54.332 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD064131.D  
Acq: 31 Oct 2019 14:28

Tgt Ion: 95 Resp: 46050  
Ion Ratio Lower Upper  
95 100  
174 100.2 0.0 201.6  
176 95.7 0.0 192.6

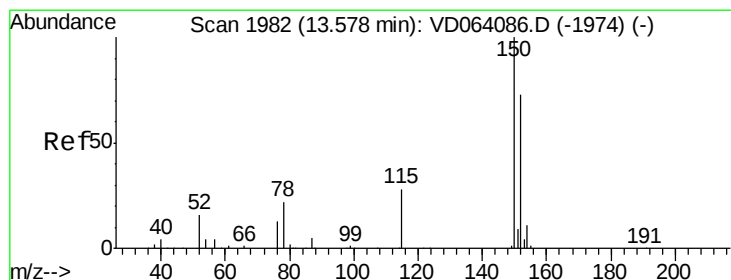
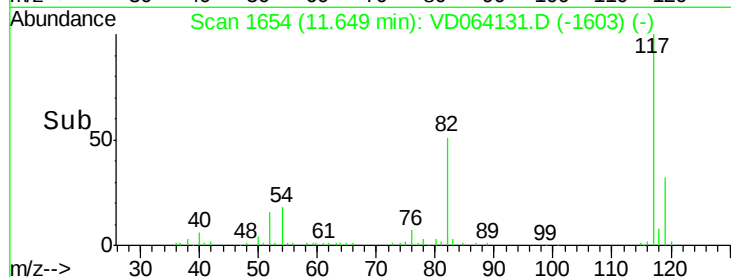
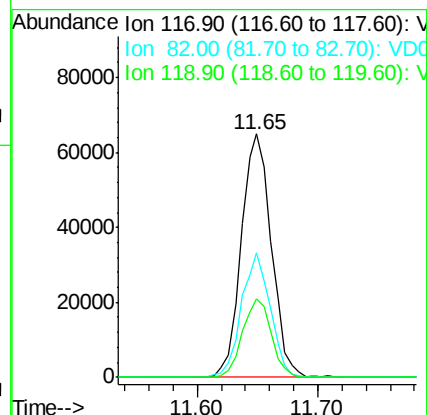
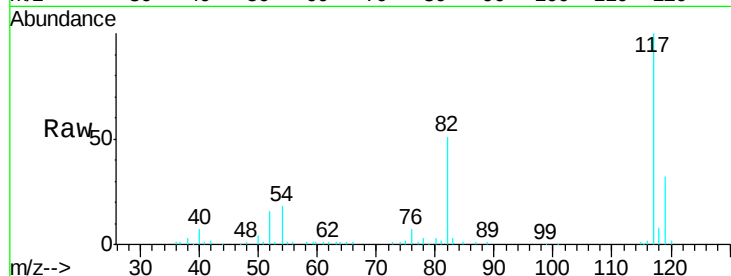




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD064131.D  
Acq: 31 Oct 2019 14:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
AU-08-103019

Tgt Ion:117 Resp: 112753  
Ion Ratio Lower Upper  
117 100  
82 51.4 40.2 60.4  
119 32.3 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD064131.D  
Acq: 31 Oct 2019 14:28

Tgt Ion:152 Resp: 59435  
Ion Ratio Lower Upper  
152 100  
115 55.5 26.2 78.6  
150 153.0 0.0 338.8

