

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\  
 Data File : VD064978.D  
 Acq On : 28 Jan 2020 14:53  
 Operator : VA/SY  
 Sample : L1269-09  
 Misc : 7.61G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-25-24

Quant Time: Jan 29 02:42:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D012320S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 13:45:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.99  | 168  | 486529   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 782545   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 717656   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 298254   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 221277   | 47.41 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.82% |      |
| 35) Dibromofluoromethane    | 7.92   | 113 | 237970   | 48.39 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.78% |      |
| 50) Toluene-d8              | 10.34  | 98  | 947325   | 49.91 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.82% |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 276142   | 47.54 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.08% |      |

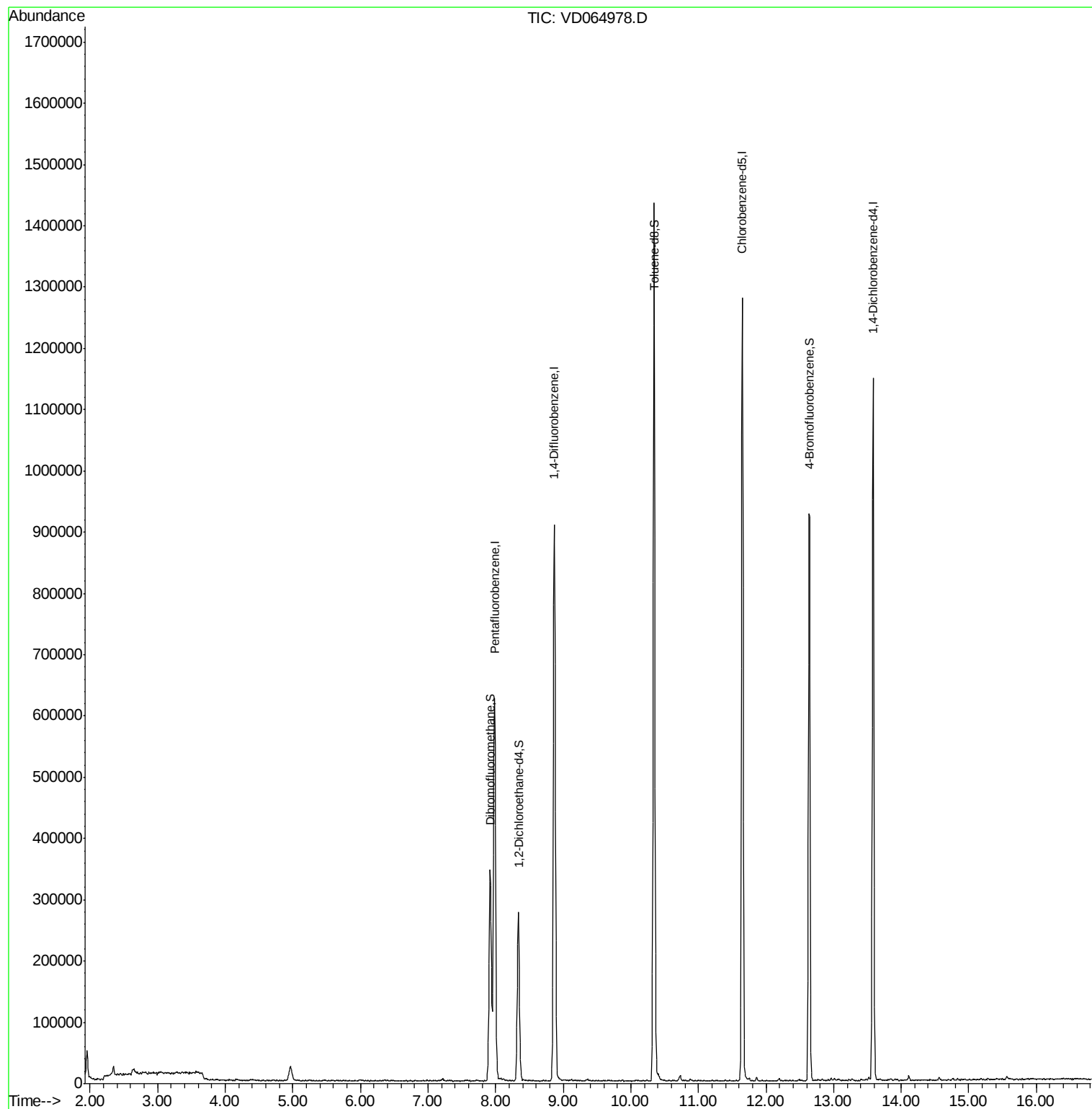
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

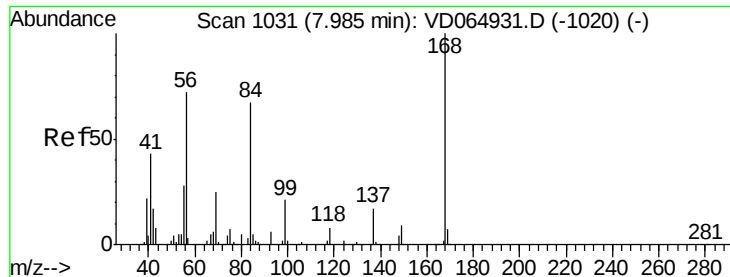
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jan 23 13:45:59 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064978.D

Acq: 28 Jan 2020 14:53

Instrument :

MSVOA\_D

ClientSampleId :

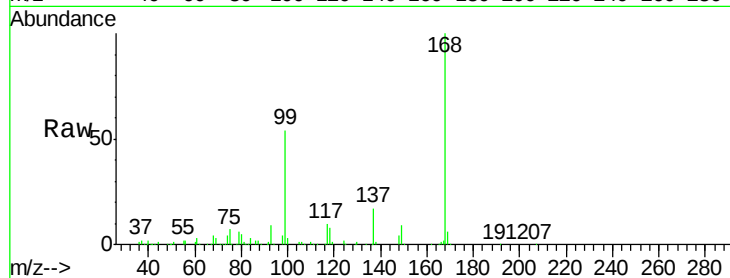
TP-25-24

Tot Ion:168 Resp: 486529

Ion Ratio Lower Upper

168 100

99 53.8 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

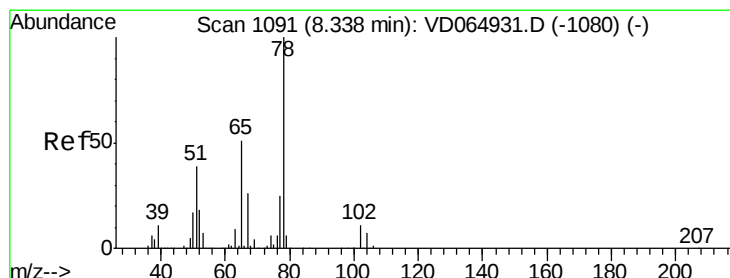
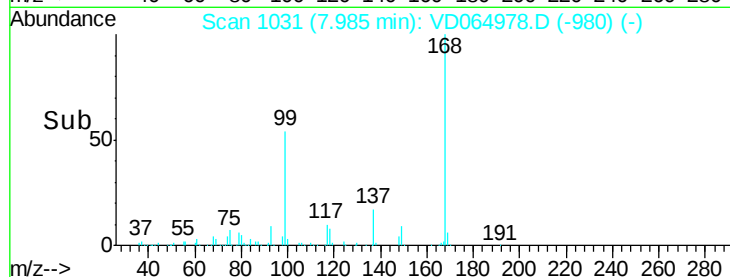
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.414 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064978.D

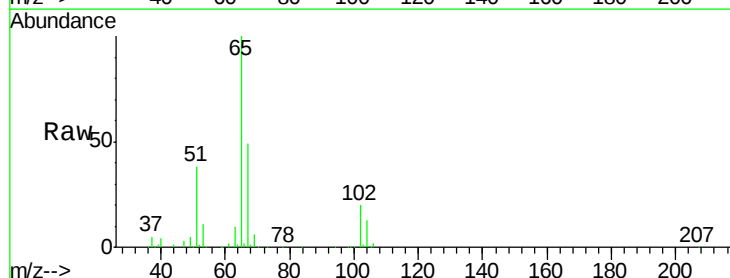
Acq: 28 Jan 2020 14:53

Tgt Ion: 65 Resp: 221277

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

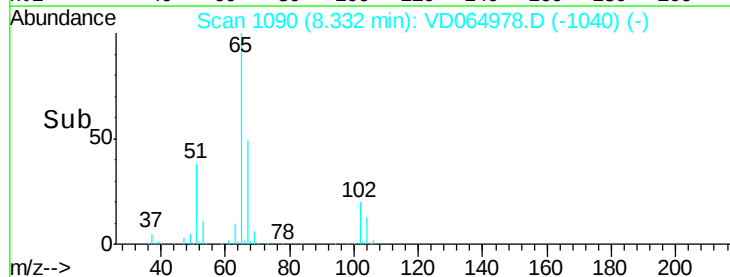
60000

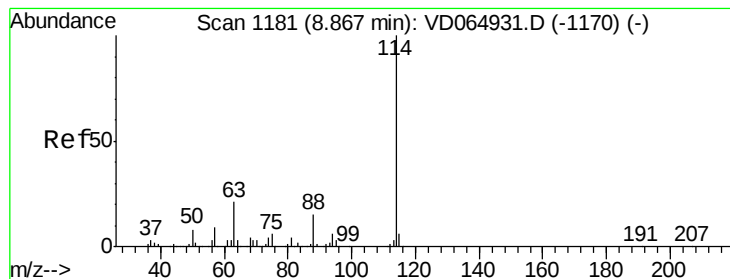
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064978.D

Acq: 28 Jan 2020 14:53

Instrument :

MSVOA\_D

ClientSampleId :

TP-25-24

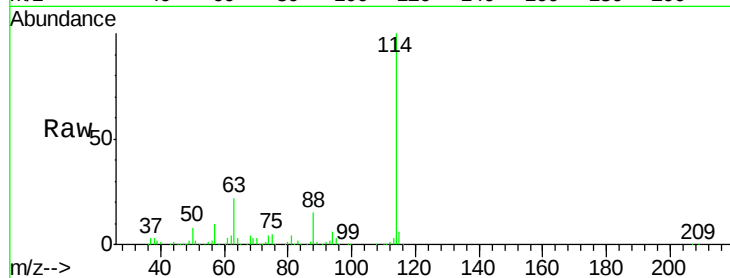
Tot Ion:114 Resp: 782545

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.0

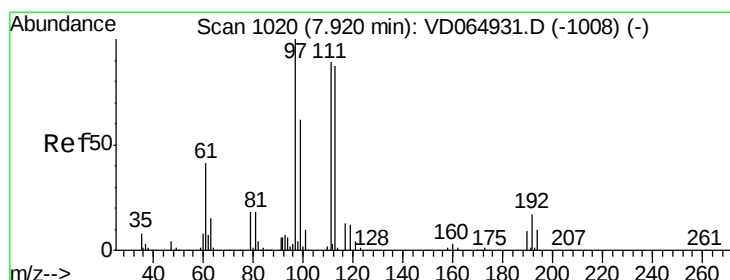
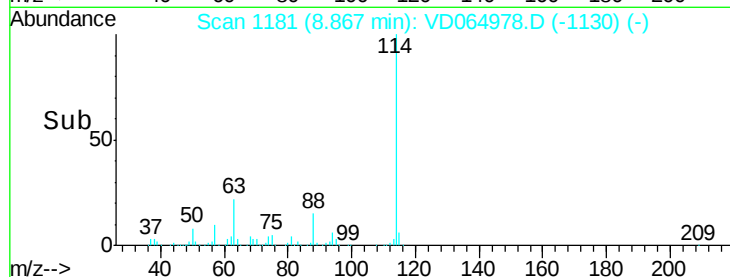
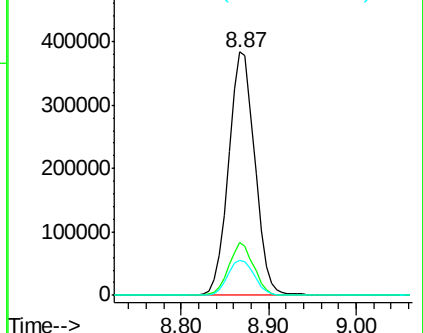
88 14.6 0.0 29.4



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: 48.391 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064978.D

Acq: 28 Jan 2020 14:53

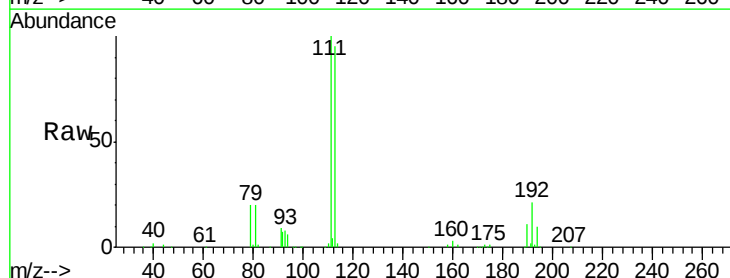
Tgt Ion:113 Resp: 237970

Ion Ratio Lower Upper

113 100

111 104.5 82.4 123.6

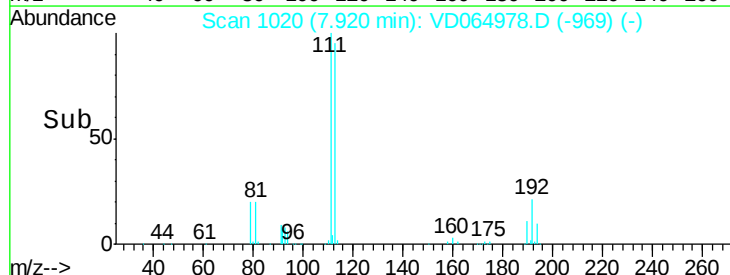
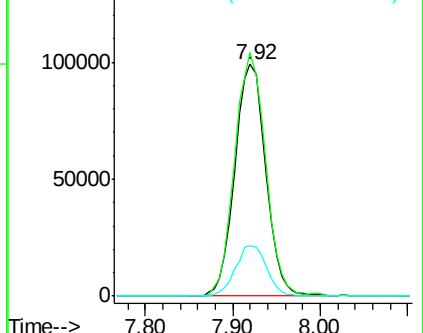
192 22.0 16.9 25.3

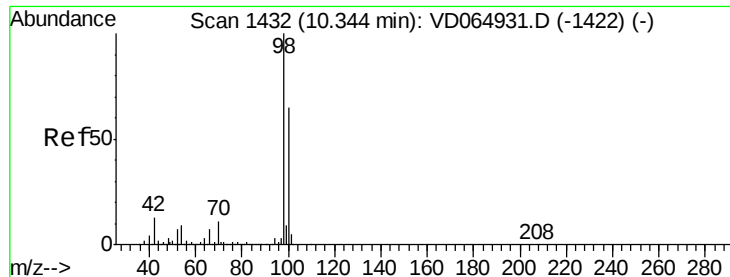


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.911 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064978.D

Acq: 28 Jan 2020 14:53

Instrument :

MSVOA\_D

ClientSampleId :

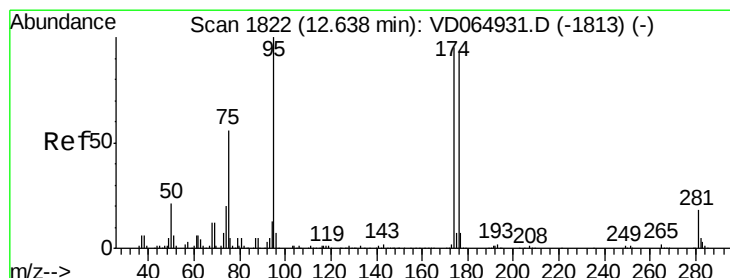
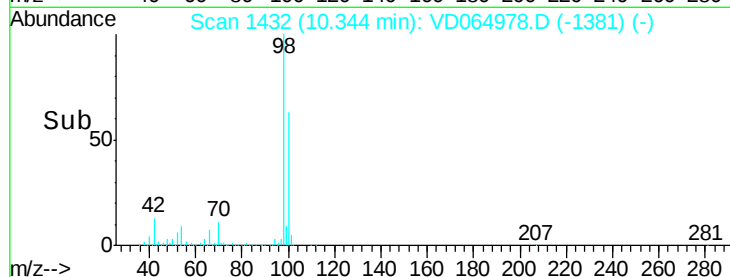
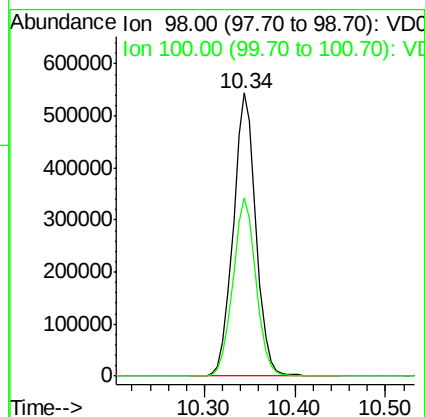
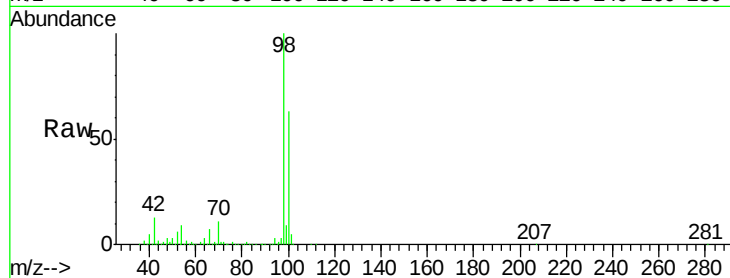
TP-25-24

Tot Ion: 98 Resp: 947325

Ion Ratio Lower Upper

98 100

100 64.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 47.542 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064978.D

Acq: 28 Jan 2020 14:53

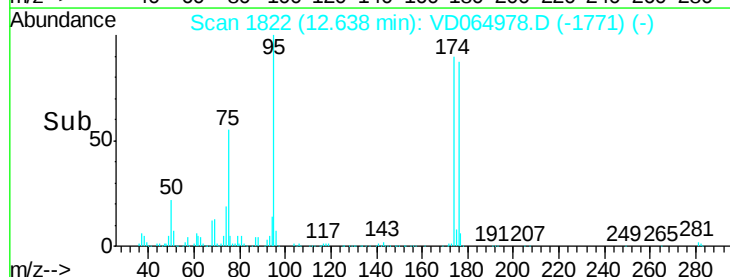
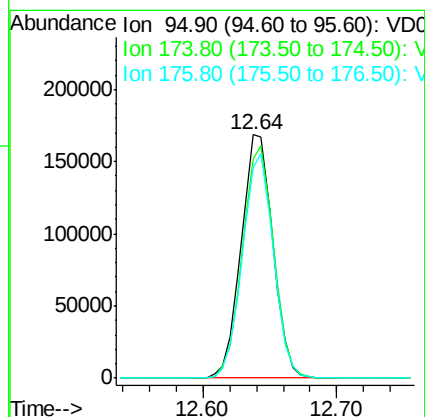
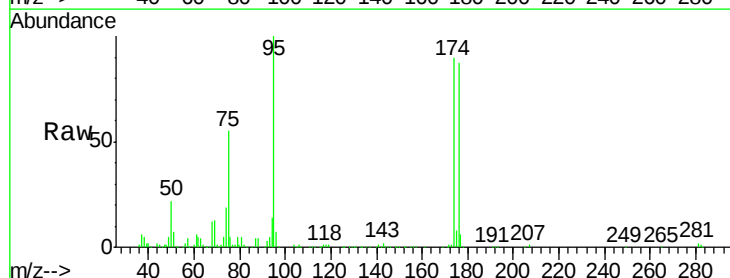
Tgt Ion: 95 Resp: 276142

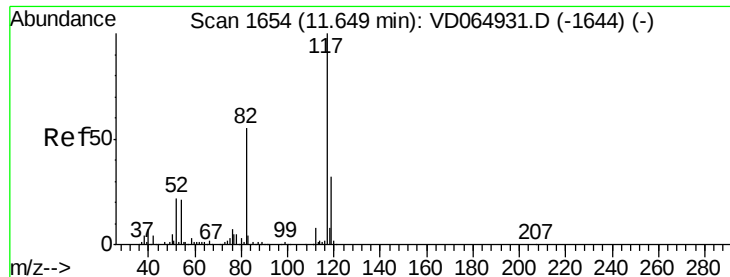
Ion Ratio Lower Upper

95 100

174 94.0 0.0 186.8

176 90.1 0.0 183.4

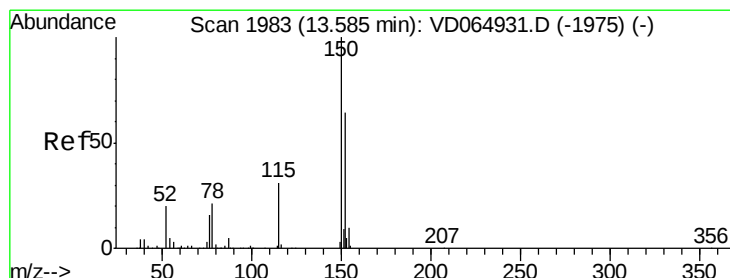
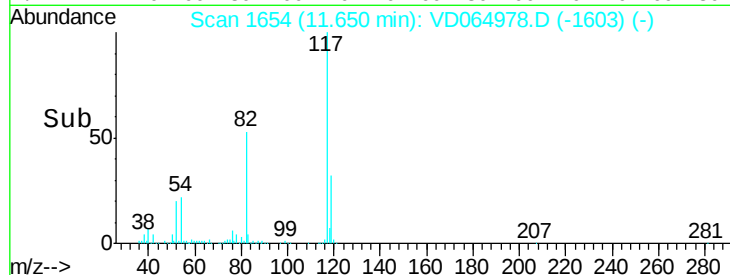
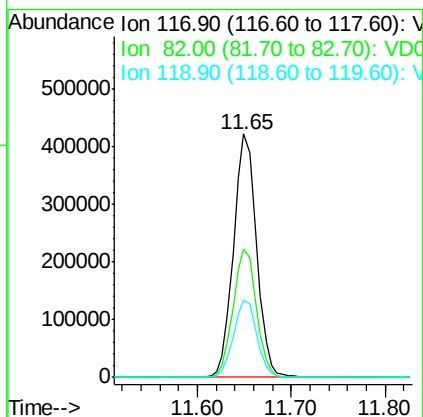
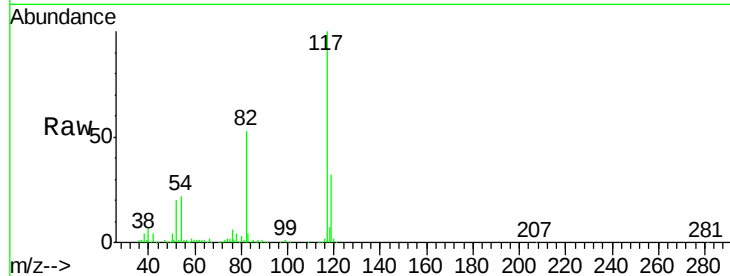




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD064978.D  
Acq: 28 Jan 2020 14:53

Instrument :  
MSVOA\_D  
ClientSampled :  
TP-25-24

Tot Ion:117 Resp: 717656  
Ion Ratio Lower Upper  
117 100  
82 52.7 43.6 65.4  
119 31.8 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: VD064978.D  
Acq: 28 Jan 2020 14:53

Tgt Ion:152 Resp: 298254  
Ion Ratio Lower Upper  
152 100  
115 55.8 28.1 84.4  
150 154.3 0.0 350.4

