

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081719\  
 Data File : VW011971.D  
 Acq On : 16 Aug 2019 17:51  
 Operator : SY/VA  
 Sample : K4366-08  
 Misc : 5.72G/5ML/MSVOA W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PX-8

Quant Time: Aug 17 05:38:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 220984   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 372198   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 317270   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 135466   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 140376   | 55.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.64% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 111973   | 53.62 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.24% |      |
| 50) Toluene-d8              | 10.32  | 98  | 457430   | 53.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.02% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 152902   | 50.16 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.32% |      |

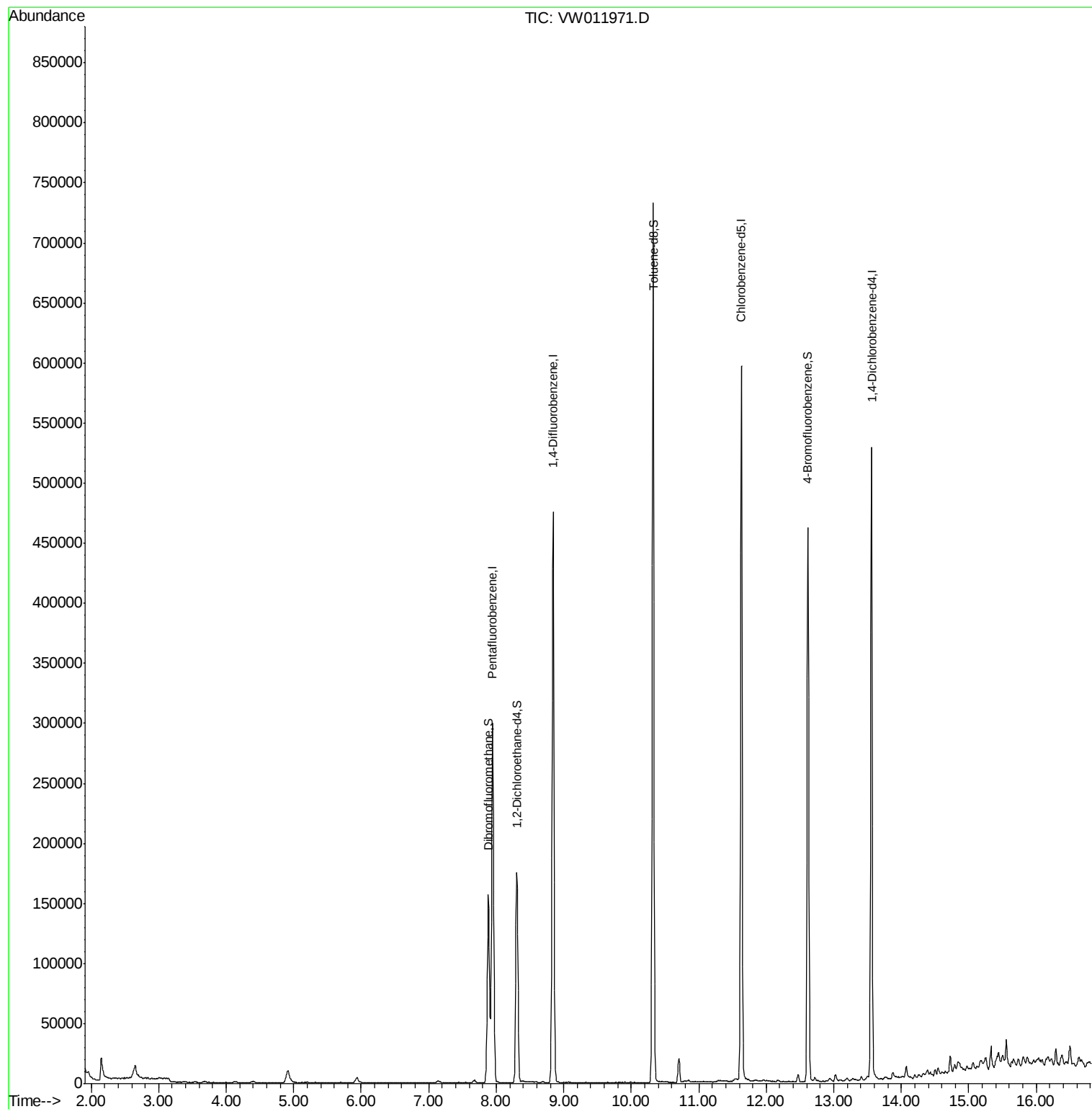
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 27 00:23:30 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

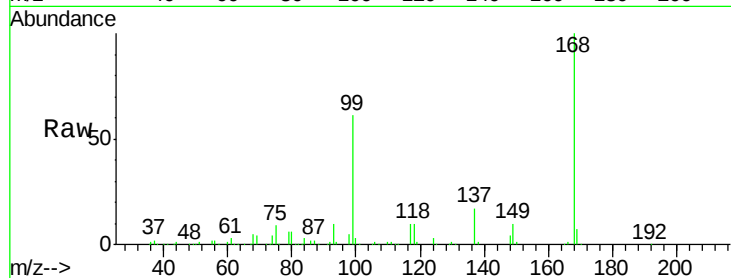
Instrument :  
MSVOA\_W  
ClientSampled :  
PX-8

Tot Ion:168 Resp: 220984

Ion Ratio Lower Upper

168 100

99 61.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

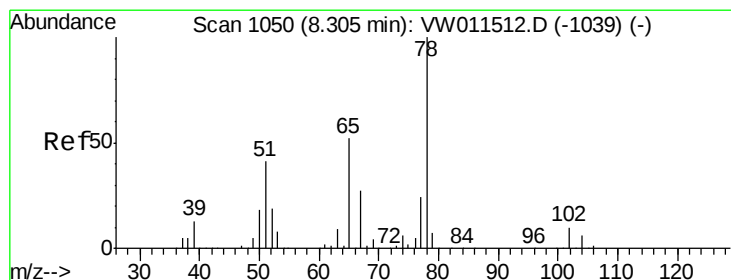
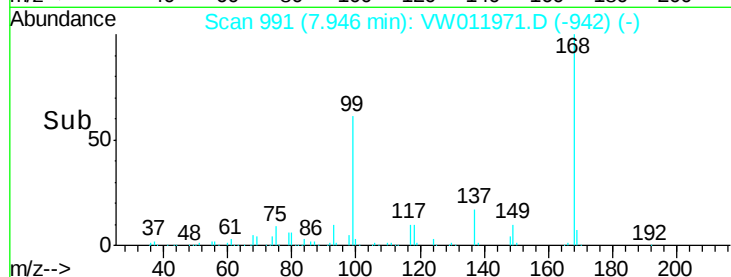
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 55.320 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011971.D

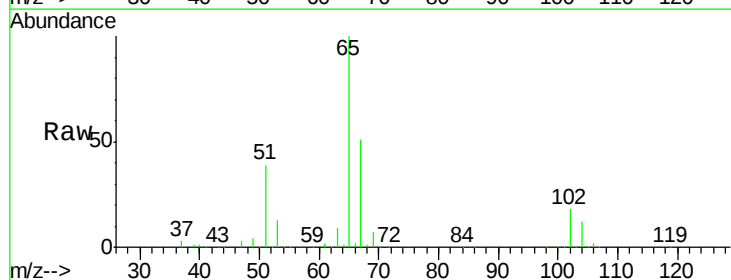
Acq: 16 Aug 2019 17:51

Tgt Ion: 65 Resp: 140376

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

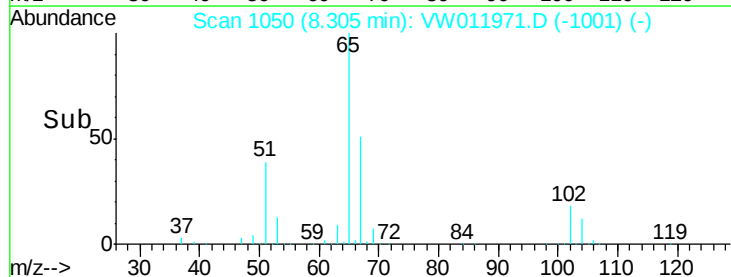
60000

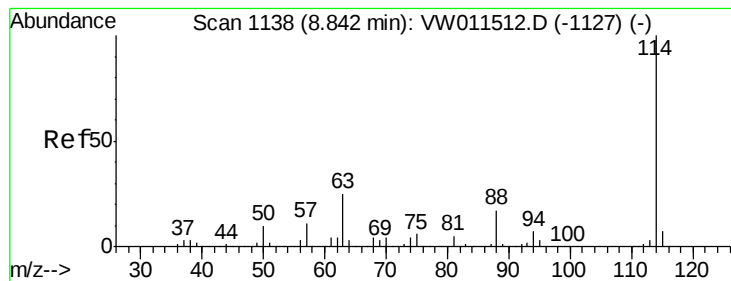
40000

20000

0

Time--> 8.20 8.30 8.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

Instrument :

MSVOA\_W

ClientSampled :

PX-8

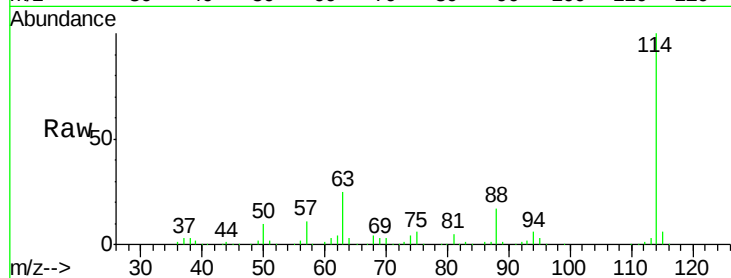
Tot Ion:114 Resp: 372198

Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

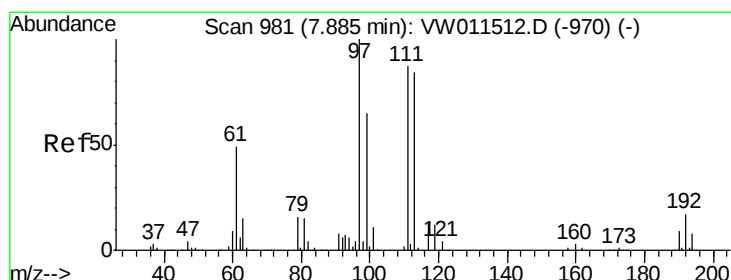
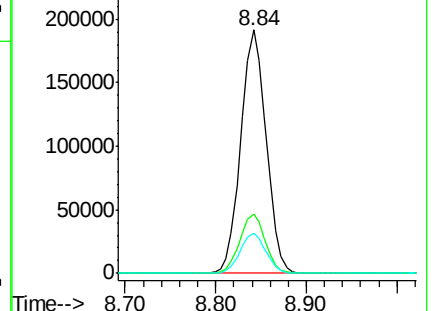
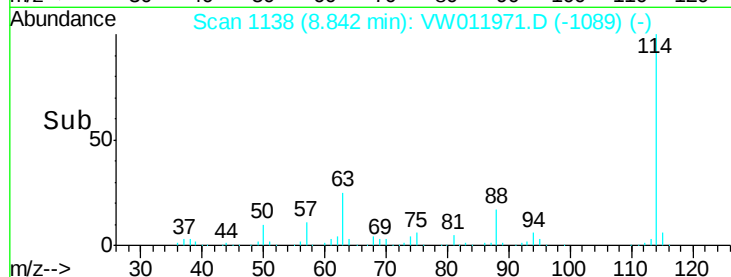
88 16.6 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 53.624 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

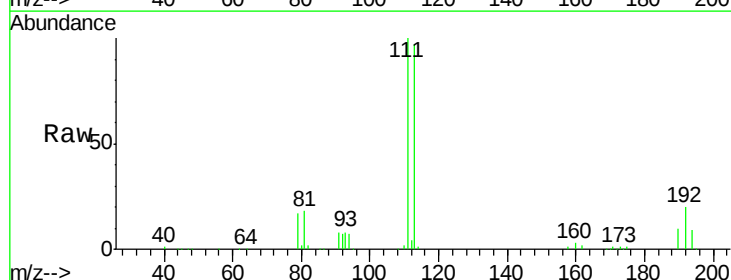
Tgt Ion:113 Resp: 111973

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

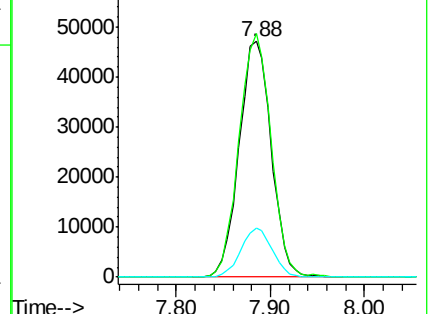
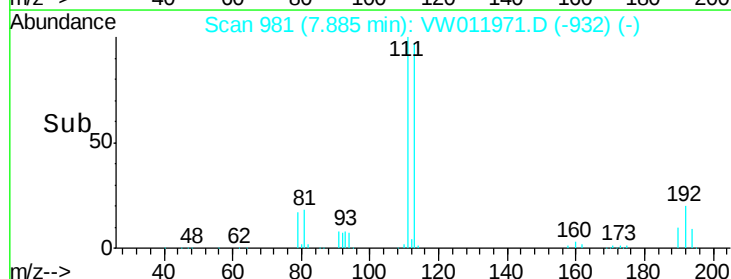
192 20.3 16.1 24.1

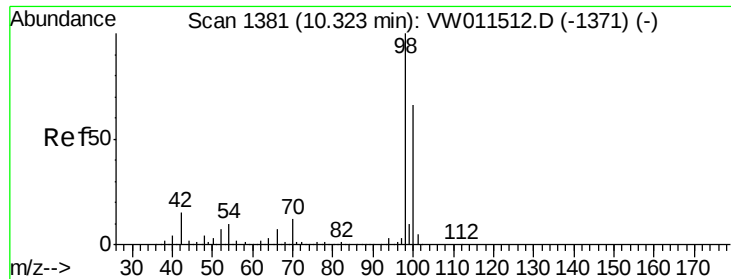


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.505 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

Instrument :

MSVOA\_W

ClientSampleId :

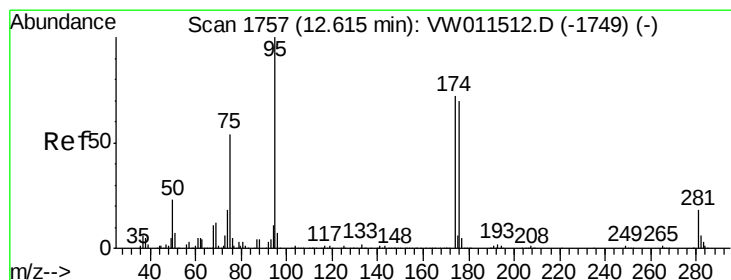
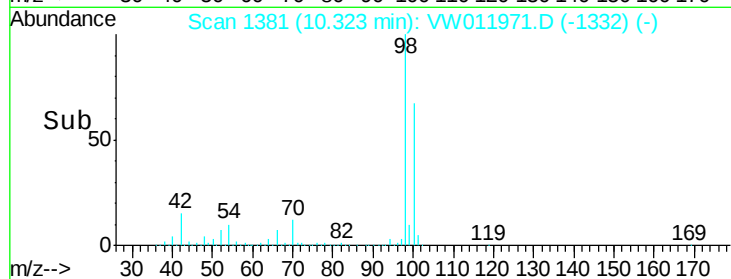
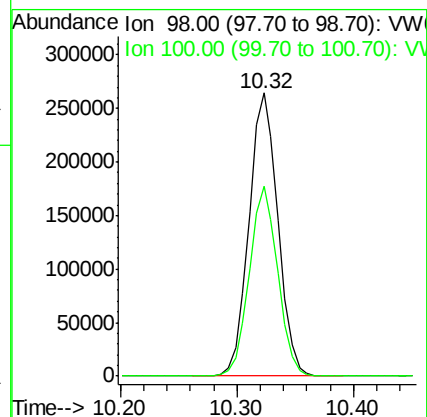
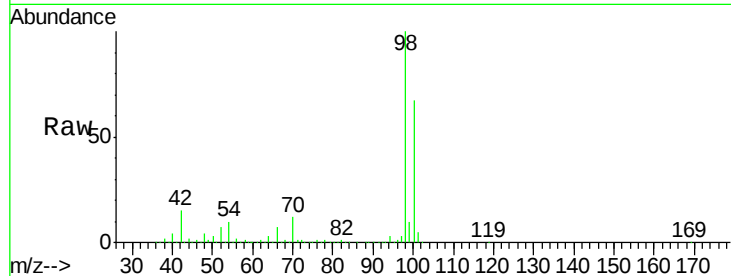
PX-8

Tot Ion: 98 Resp: 457430

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 50.165 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011971.D

Acq: 16 Aug 2019 17:51

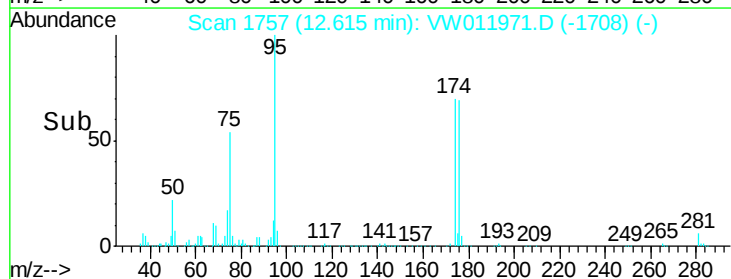
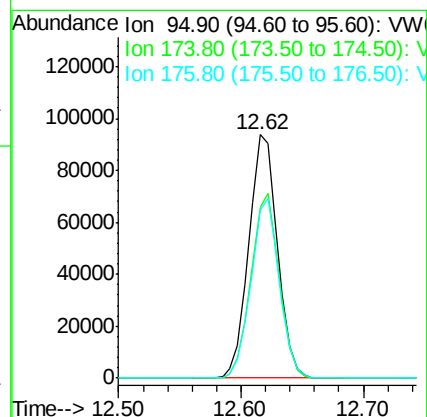
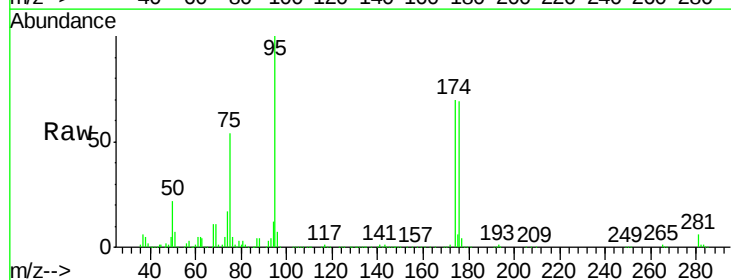
Tgt Ion: 95 Resp: 152902

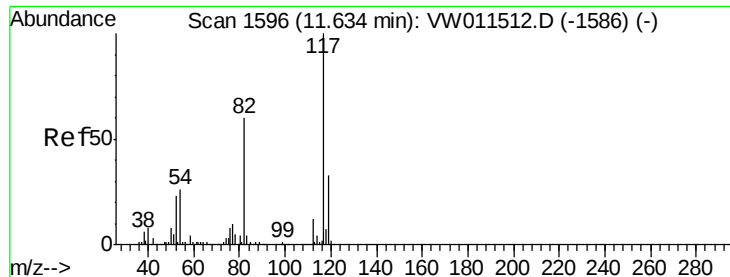
Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 72.6 0.0 144.4

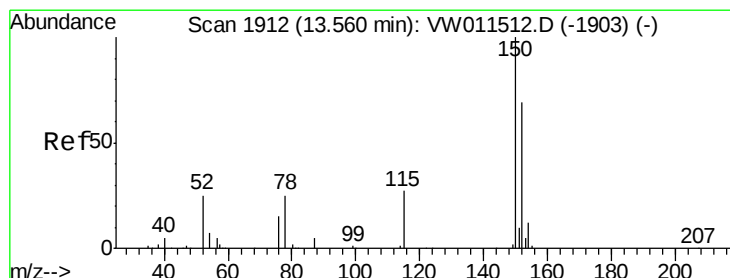
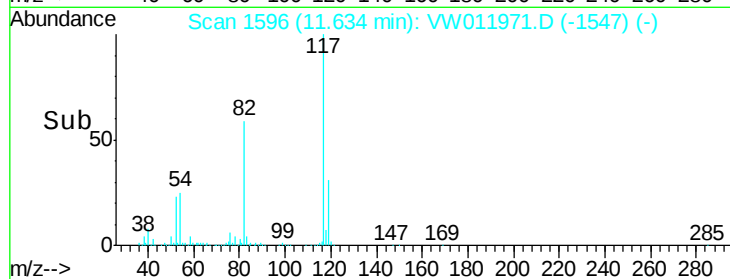
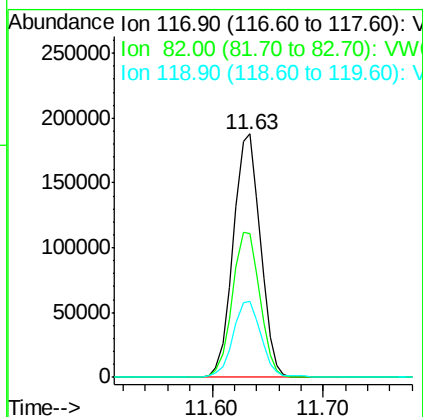
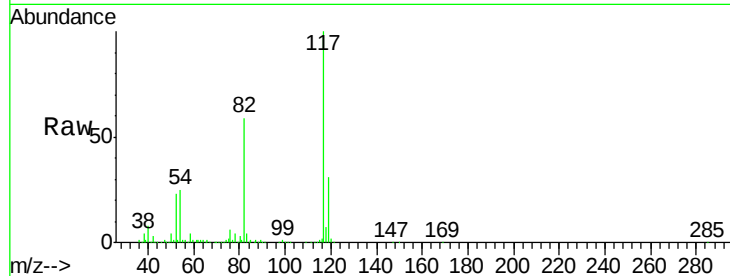




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW011971.D  
Acq: 16 Aug 2019 17:51

Instrument :  
MSVOA\_W  
ClientSampled :  
PX-8

Tot Ion:117 Resp: 317270  
Ion Ratio Lower Upper  
117 100  
82 58.9 47.9 71.9  
119 30.9 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW011971.D  
Acq: 16 Aug 2019 17:51

Tgt Ion:152 Resp: 135466  
Ion Ratio Lower Upper  
152 100  
115 59.7 30.5 91.5  
150 156.1 0.0 352.6

