

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\  
 Data File : VW015406.D  
 Acq On : 06 May 2020 11:01  
 Operator : SY/VA  
 Sample : VW0506SBL01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0506SBL01

Quant Time: May 07 03:39:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W050620S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 05 18:41:17 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 212839   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 346475   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 305289   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 143459   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 119825   | 51.21 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.42% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 106109   | 53.36 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.72% |      |
| 50) Toluene-d8              | 10.32  | 98  | 443400   | 53.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.76% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 157374   | 51.79 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.58% |      |

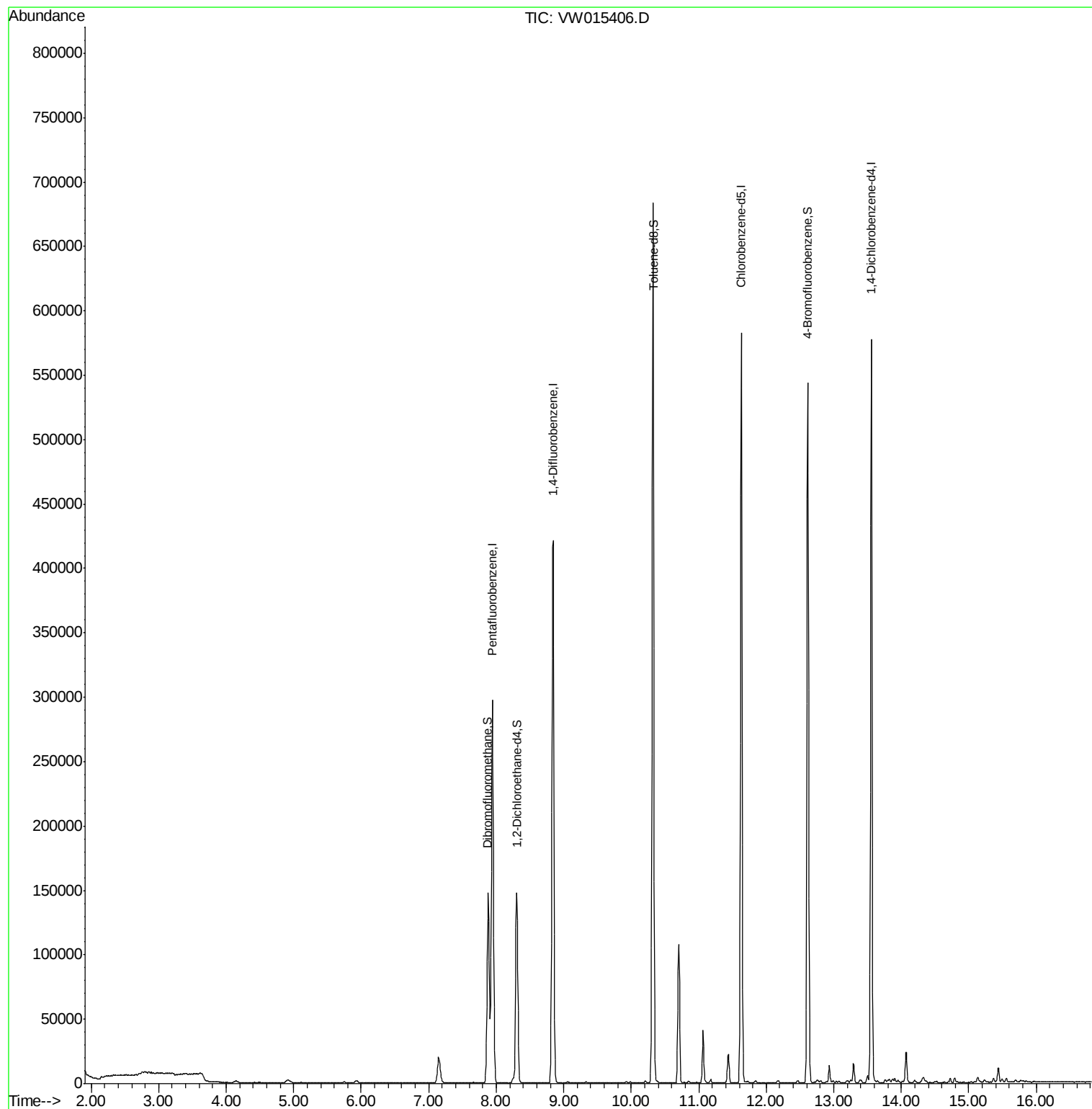
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

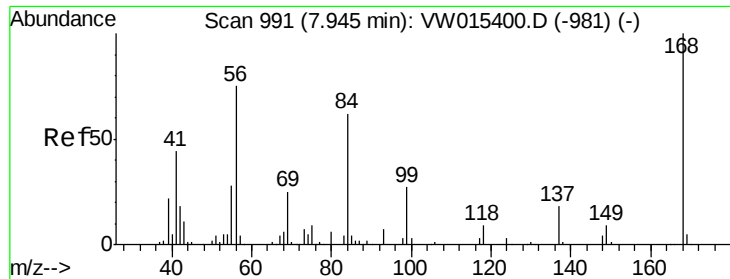
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050620\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W050620S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 05 18:41:17 2020  
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: VW015406.D

Acq: 06 May 2020 11:01

Instrument :

MSVOA\_W

ClientSampleId :

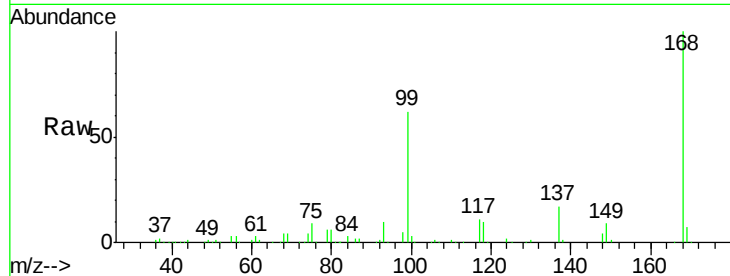
VW0506SBL01

Tot Ion:168 Resp: 212839

Ion Ratio Lower Upper

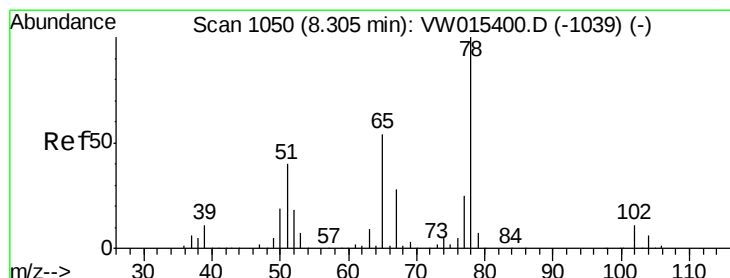
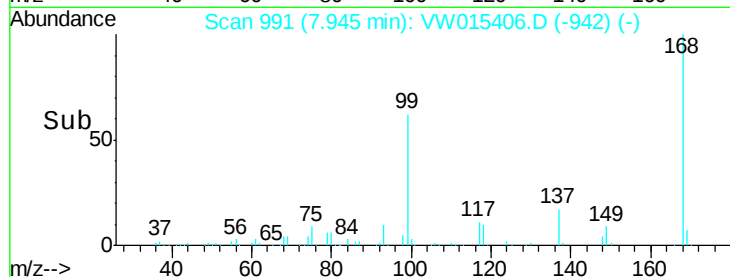
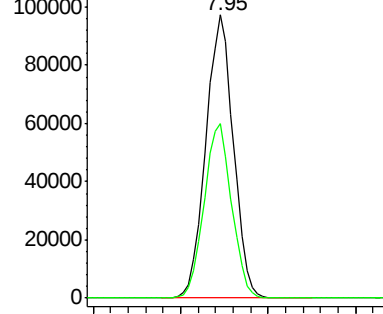
168 100

99 61.6 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#33

1,2-Dichloroethane-d4

Concen: 51.215 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW015406.D

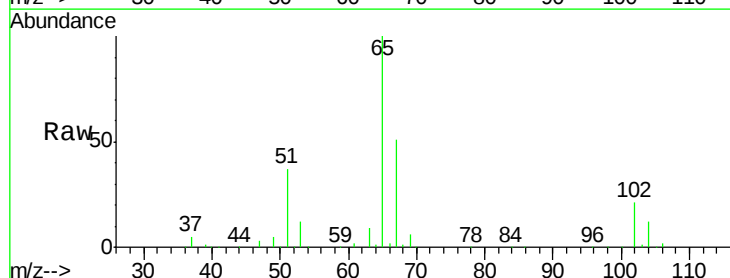
Acq: 06 May 2020 11:01

Tgt Ion: 65 Resp: 119825

Ion Ratio Lower Upper

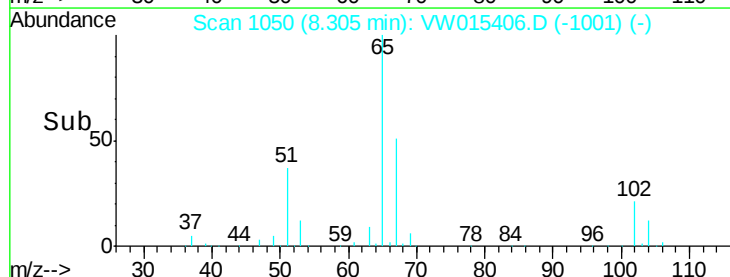
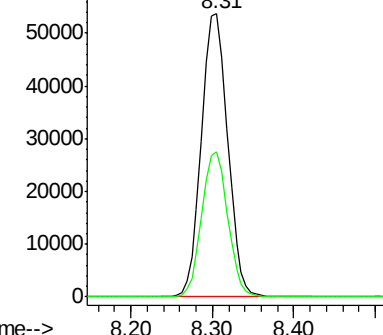
65 100

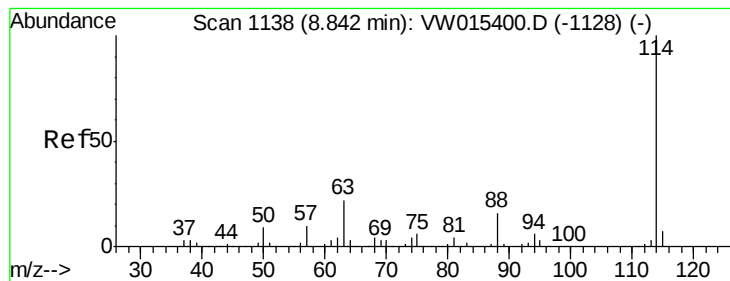
67 50.7 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW015406.D

Acq: 06 May 2020 11:01

Instrument :

MSVOA\_W

ClientSampleId :

VW0506SBL01

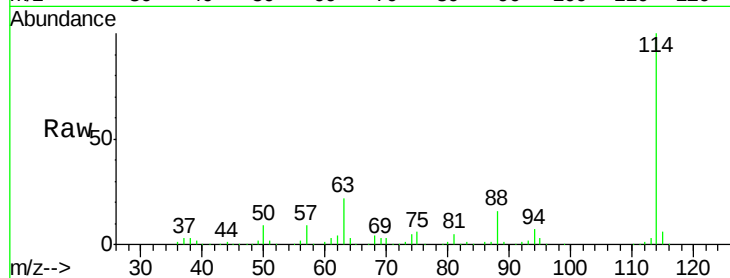
Tot Ion:114 Resp: 346475

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

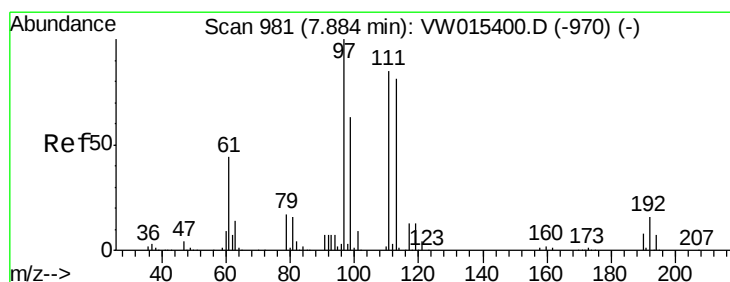
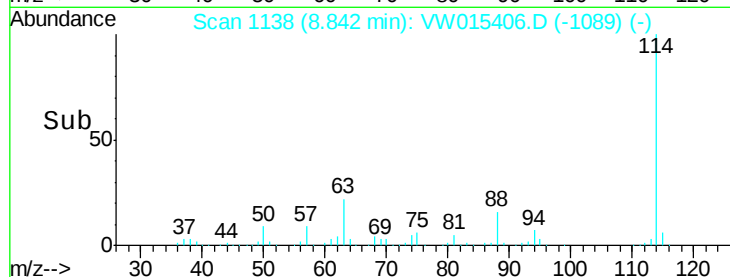
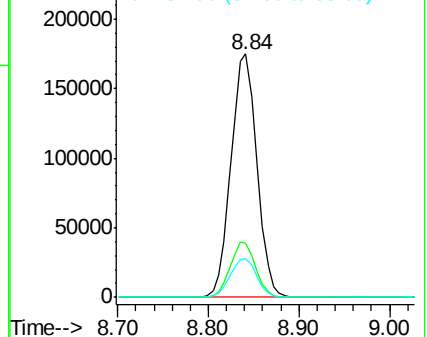
88 16.2 0.0 31.8



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: 53.358 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW015406.D

Acq: 06 May 2020 11:01

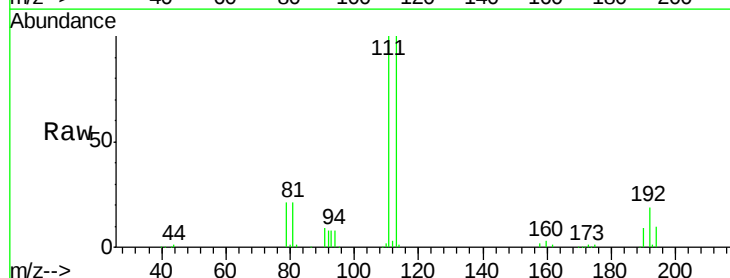
Tgt Ion:113 Resp: 106109

Ion Ratio Lower Upper

113 100

111 100.7 82.9 124.3

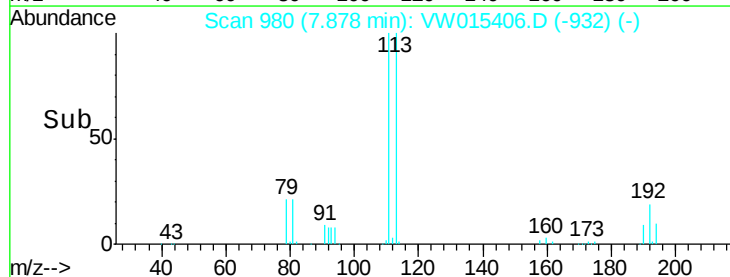
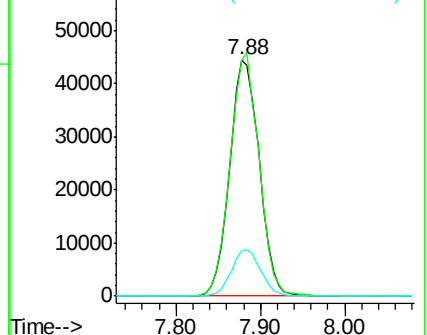
192 19.3 15.4 23.0

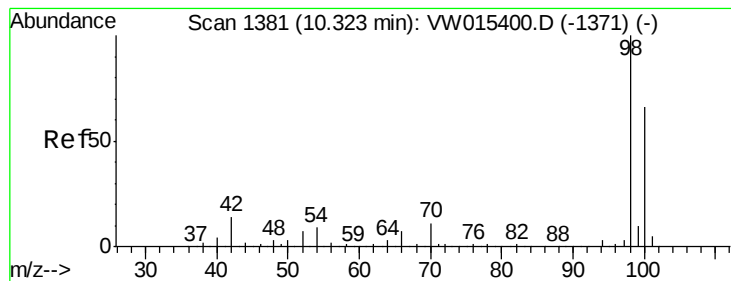


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.878 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015406.D

Acq: 06 May 2020 11:01

Instrument :

MSVOA\_W

ClientSampleId :

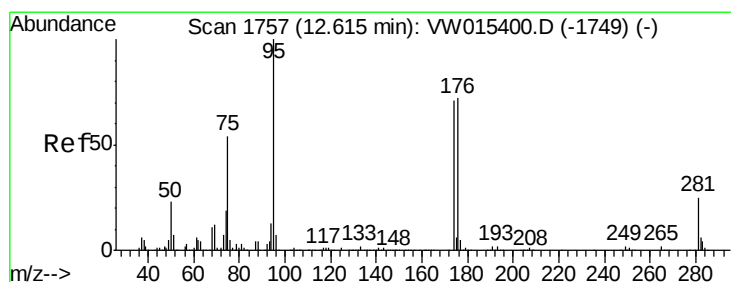
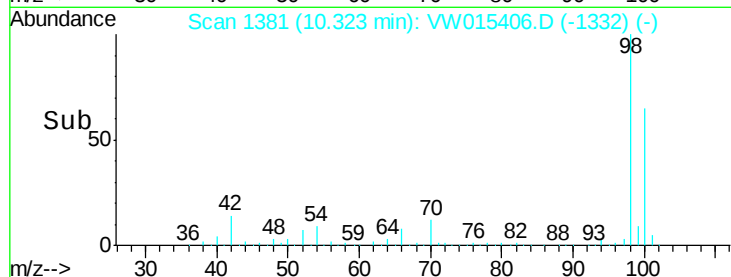
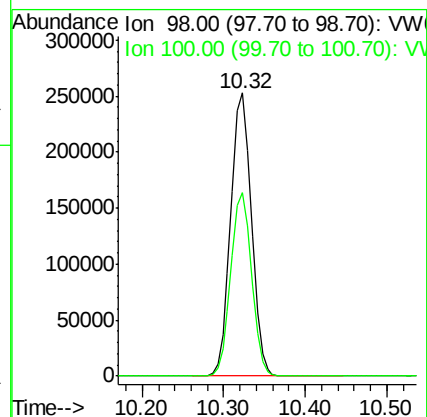
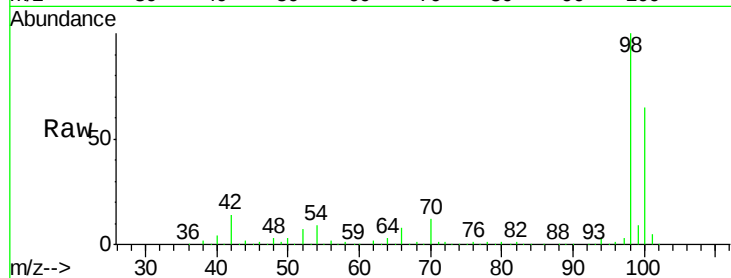
VW0506SBL01

Tot Ion: 98 Resp: 443400

Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 51.787 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015406.D

Acq: 06 May 2020 11:01

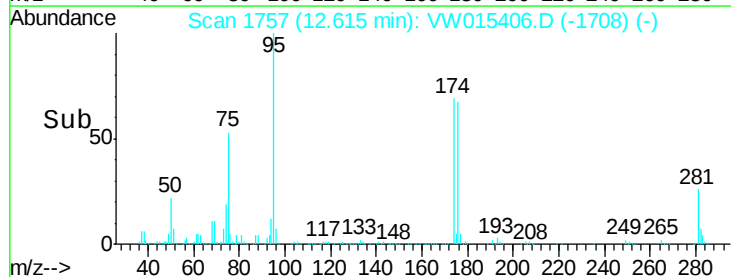
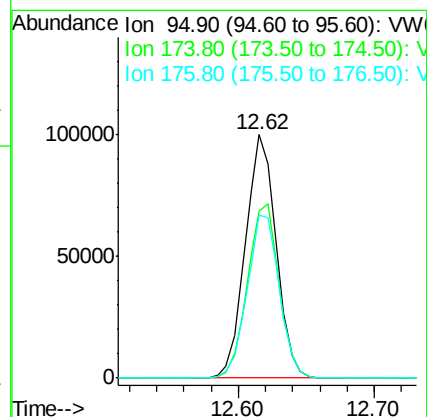
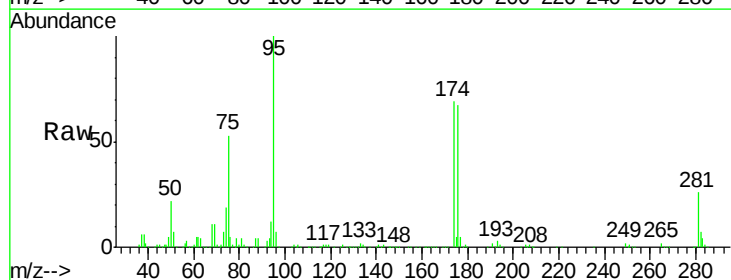
Tgt Ion: 95 Resp: 157374

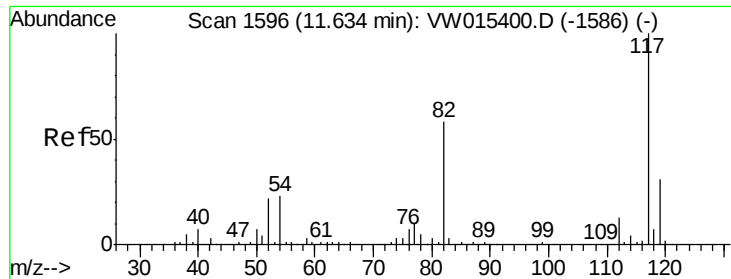
Ion Ratio Lower Upper

95 100

174 73.7 0.0 147.6

176 70.2 0.0 144.4

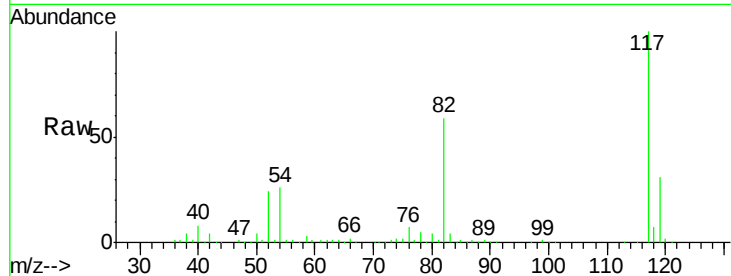




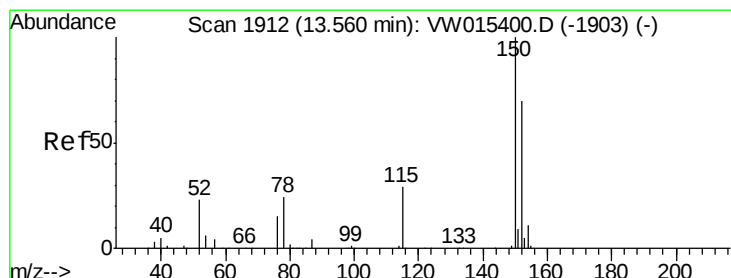
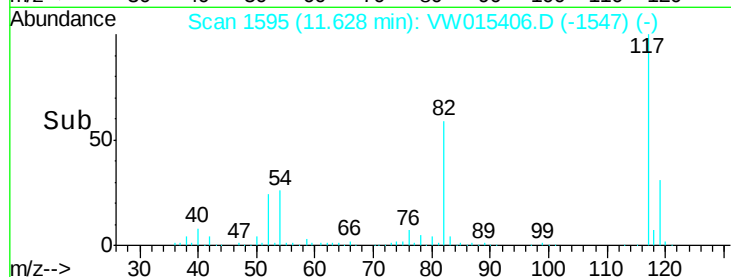
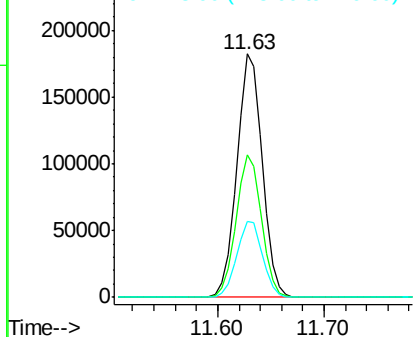
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW015406.D  
Acq: 06 May 2020 11:01

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0506SBL01

Tot Ion:117 Resp: 305289  
Ion Ratio Lower Upper  
117 100  
82 58.8 46.4 69.6  
119 31.4 24.6 37.0

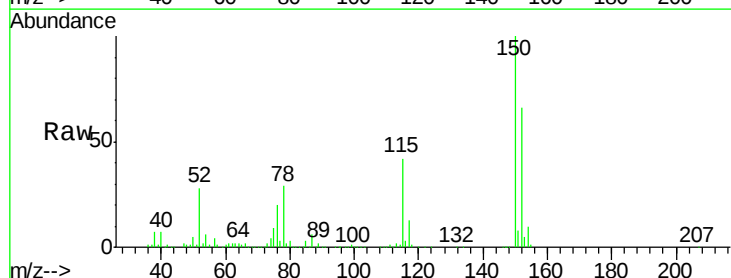


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.55 min Scan# 1911  
Delta R.T. -0.01 min  
Lab File: VW015406.D  
Acq: 06 May 2020 11:01

Tgt Ion:152 Resp: 143459  
Ion Ratio Lower Upper  
152 100  
115 61.2 30.3 90.8  
150 155.4 0.0 344.4



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

