

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082120\  
 Data File : VW016281.D  
 Acq On : 21 Aug 2020 00:19  
 Operator : SY/VA  
 Sample : L3712-12RE  
 Misc : 7.48G/5ML/MSVOA W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CHRT-25433RE

Quant Time: Aug 21 04:20:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W081420S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 17 08:01:41 2020  
 Response via : Initial Calibration

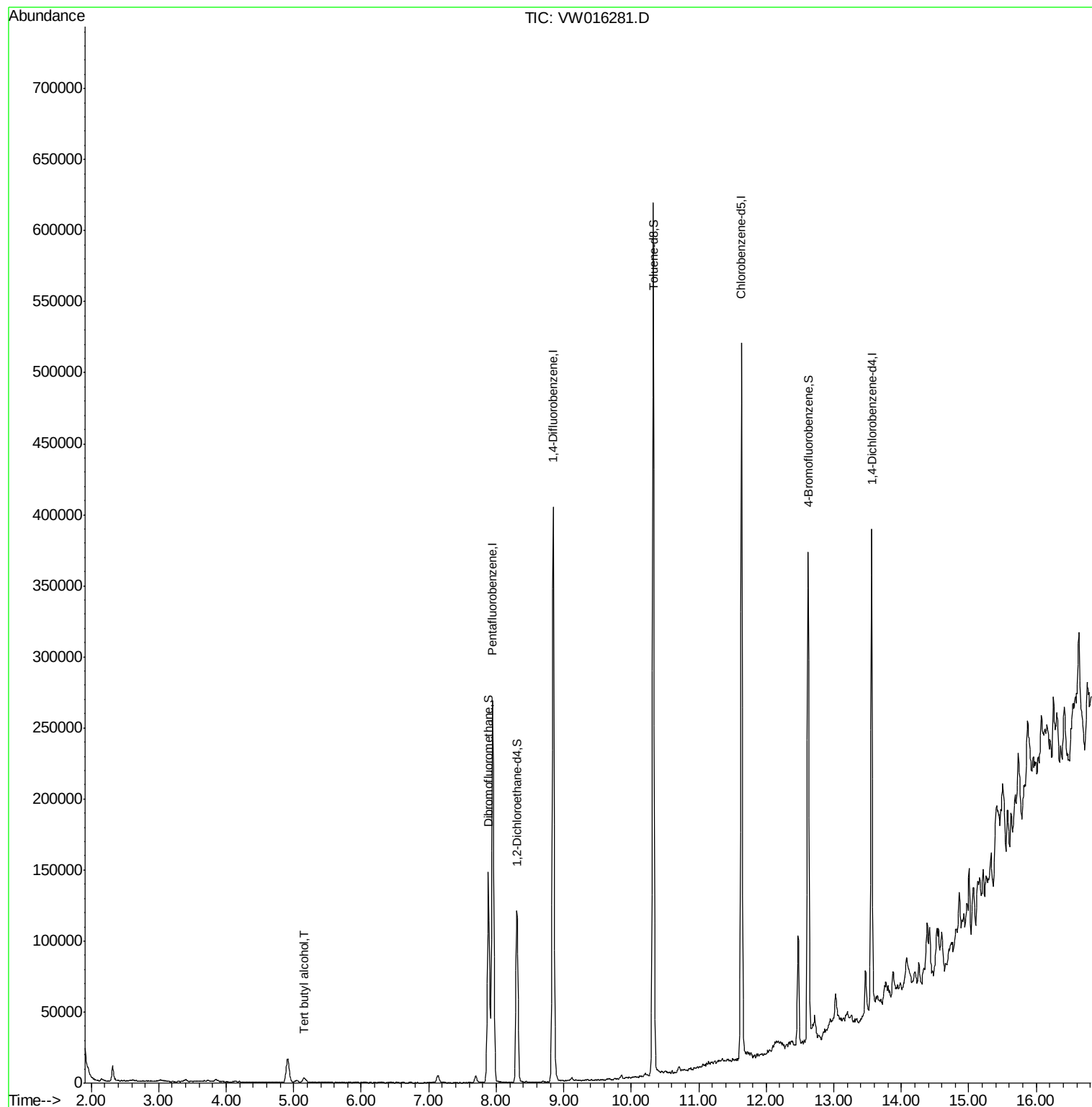
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 200791   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 356428   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 300415   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 93270    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 98846    | 50.48  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.96% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 109077   | 49.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.20%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 421580   | 49.52  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.04%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 124484   | 40.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 81.82%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 11) Tert butyl alcohol      | 5.16  | 59   | 6185     | 59.350 | ug/l #  | 70       |

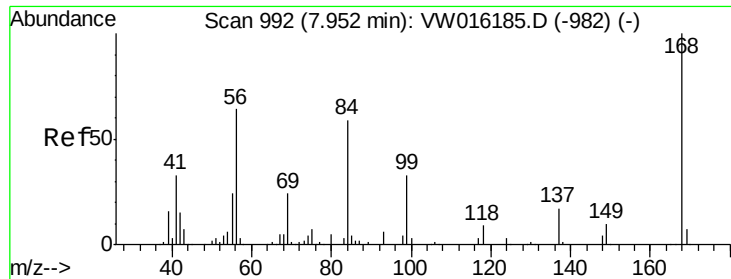
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082120\  
Data File : VW016281.D  
Acq On : 21 Aug 2020 00:19  
Operator : SY/VA  
Sample : L3712-12RE  
Misc : 7.48G/5ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
CHRT-25433RE

Quant Time: Aug 21 04:20:42 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W081420S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 17 08:01:41 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016281.D

Acq: 21 Aug 2020 00:19

Instrument :

MSVOA\_W

ClientSampleId :

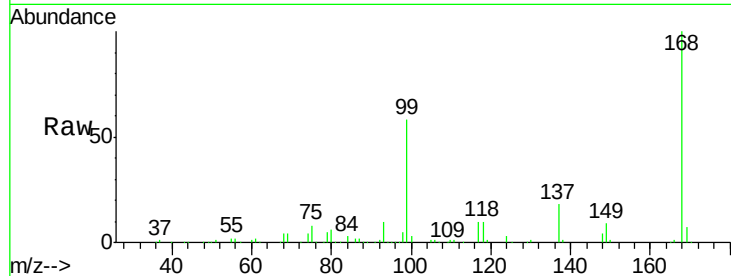
CHRT-25433RE

Tot Ion:168 Resp: 200791

Ion Ratio Lower Upper

168 100

99 58.2 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

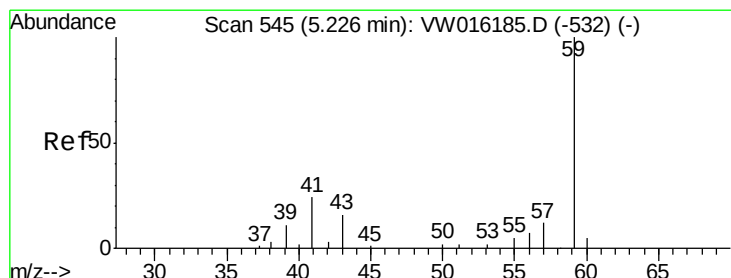
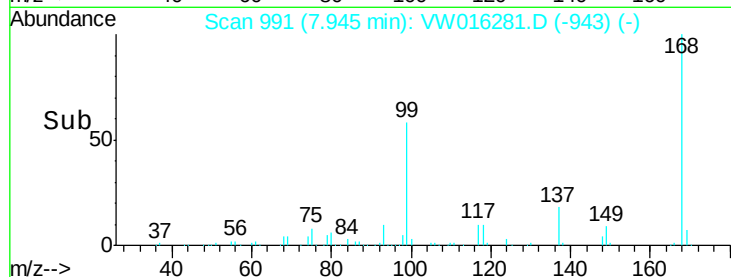
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 59.350 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.07 min

Lab File: VW016281.D

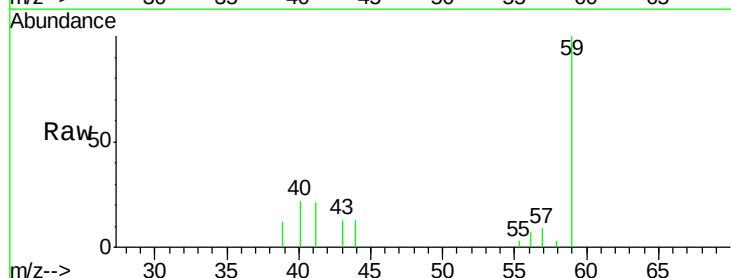
Acq: 21 Aug 2020 00:19

Tgt Ion: 59 Resp: 6185

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

2000

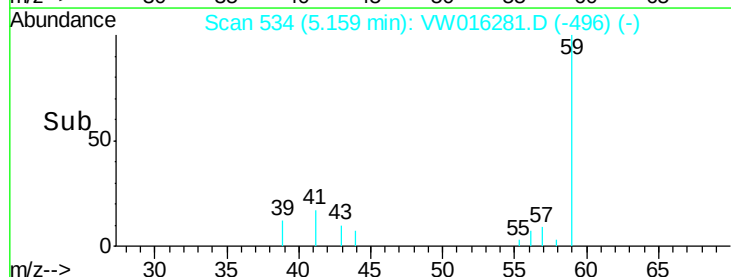
1500

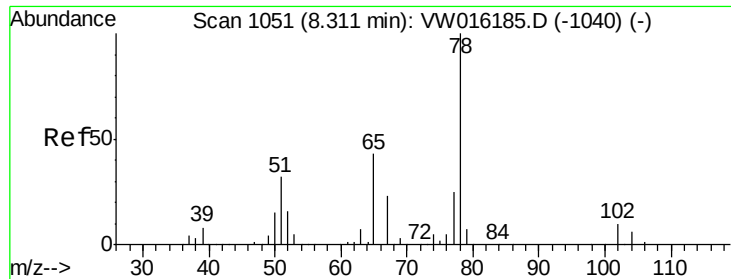
1000

500

0

Time--> 5.10 5.20

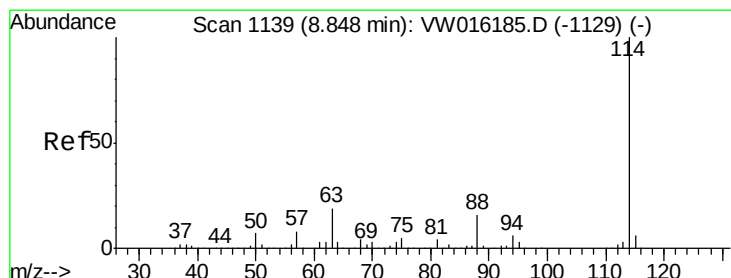
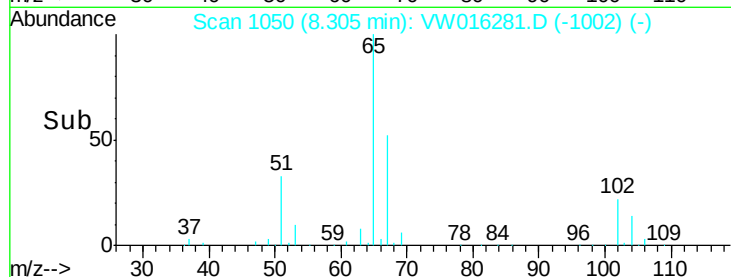
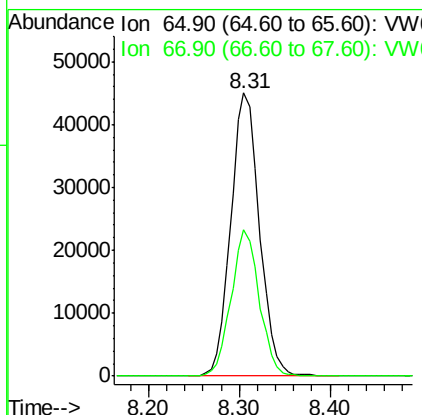
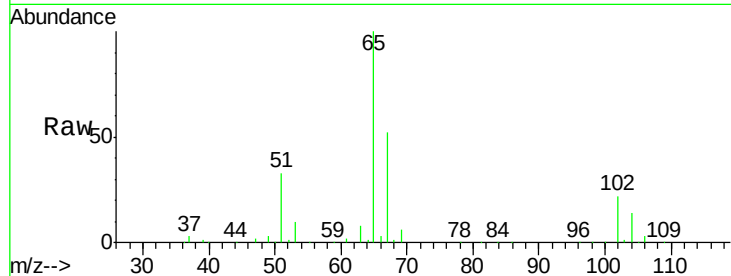




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.480 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VW016281.D  
 Acq: 21 Aug 2020 00:19

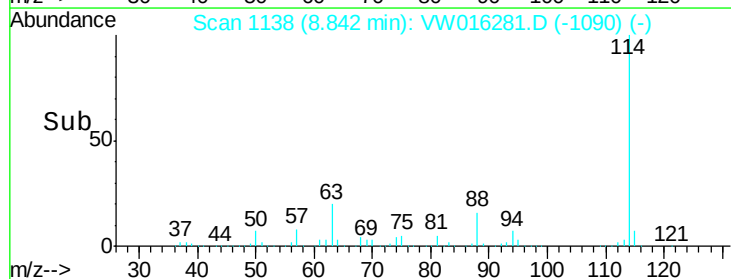
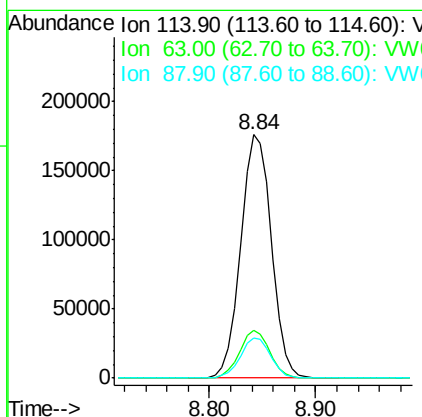
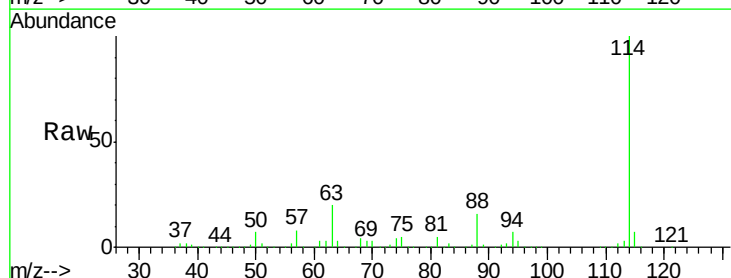
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CHRT-25433RE

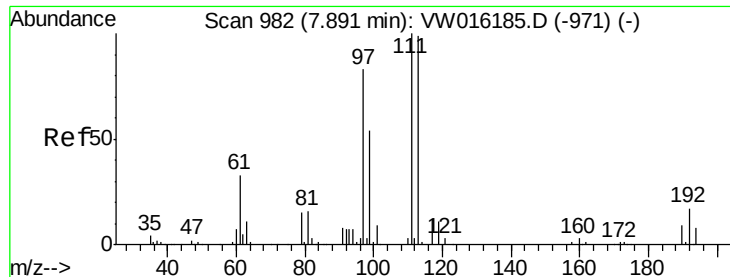
Tot Ion: 65 Resp: 98846  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.01 min  
 Lab File: VW016281.D  
 Acq: 21 Aug 2020 00:19

Tgt Ion: 114 Resp: 356428  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 38.4  
 88 16.3 0.0 32.8

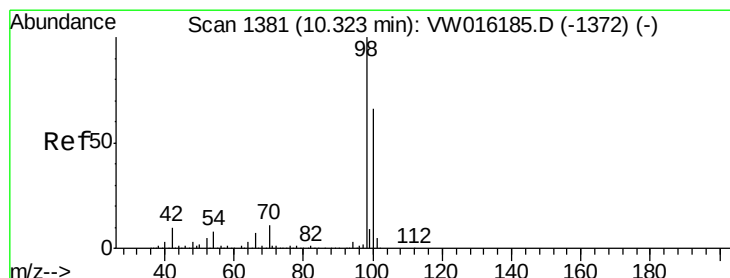
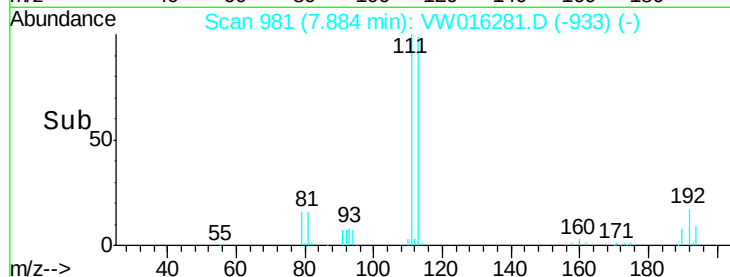
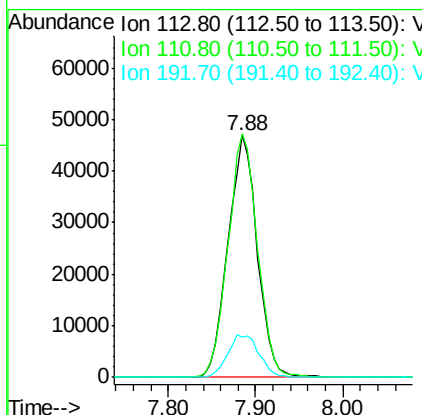
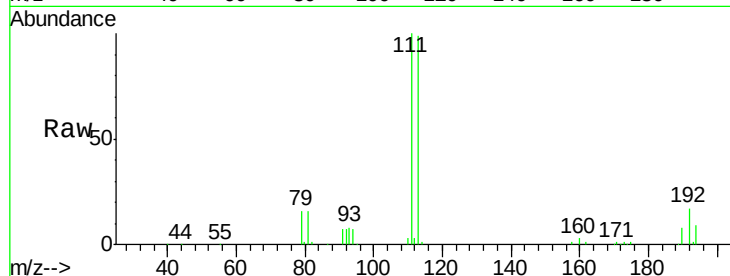




#35  
 Dibromofluoromethane  
 Concen: 49.599 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW016281.D  
 Acq: 21 Aug 2020 00:19

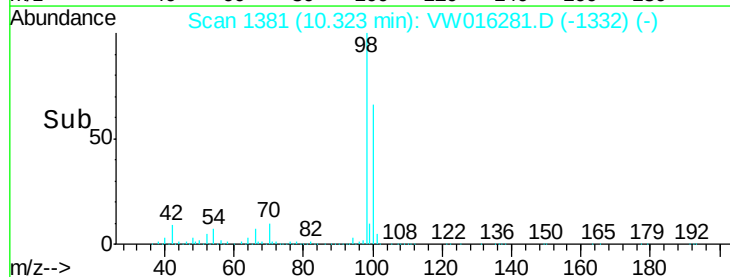
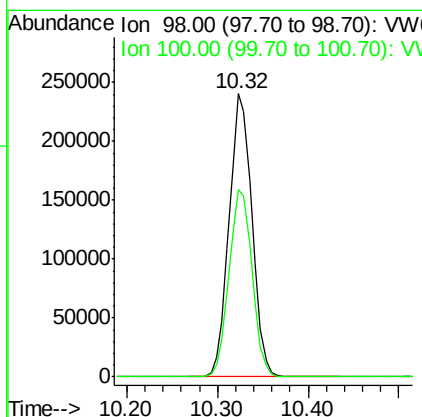
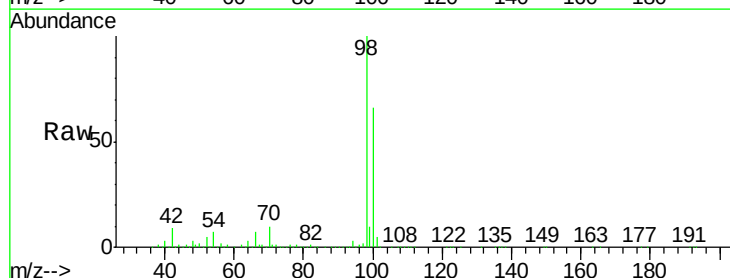
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CHRT-25433RE

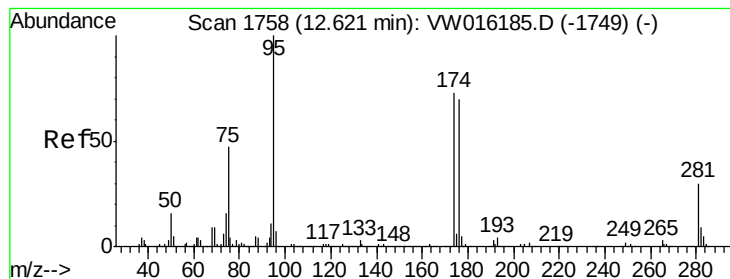
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.8 | 83.5  | 125.3 |
| 192     | 18.8  | 14.3  | 21.5  |



#50  
 Toluene-d8  
 Concen: 49.524 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW016281.D  
 Acq: 21 Aug 2020 00:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.9  | 53.5  | 80.3  |





#62

4-Bromofluorobenzene

Concen: 40.910 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016281.D

Acq: 21 Aug 2020 00:19

Instrument :

MSVOA\_W

ClientSampleId :

CHRT-25433RE

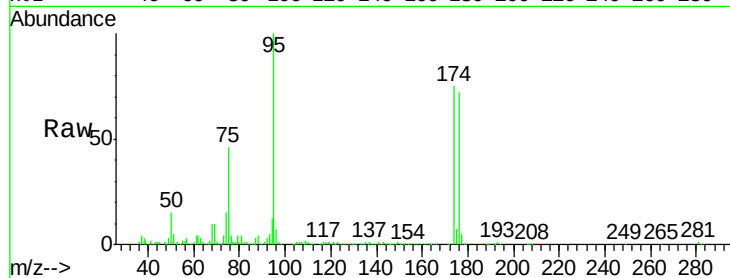
Tot Ion: 95 Resp: 124484

Ion Ratio Lower Upper

95 100

174 72.9 0.0 145.6

176 71.2 0.0 137.8



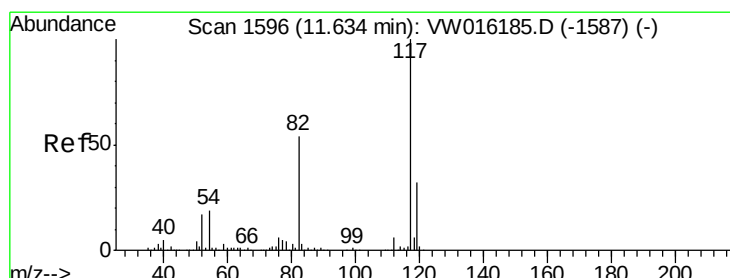
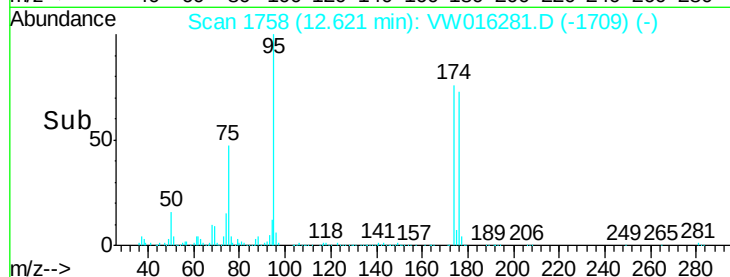
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW016281.D

Acq: 21 Aug 2020 00:19

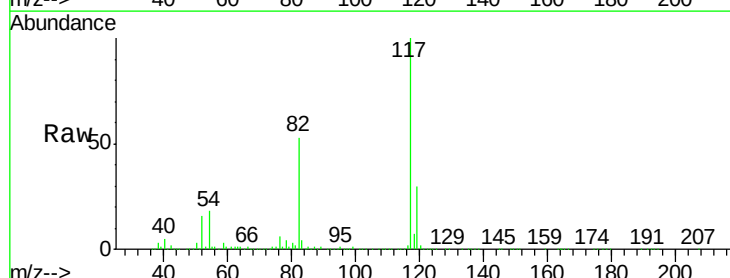
Tgt Ion: 117 Resp: 300415

Ion Ratio Lower Upper

117 100

82 53.3 43.6 65.4

119 30.4 25.4 38.0



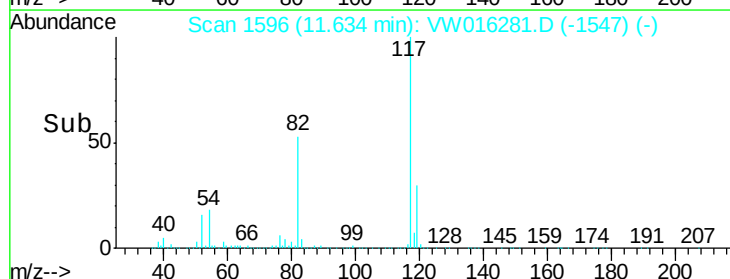
Abundance Ion 116.90 (116.60 to 117.60): VW

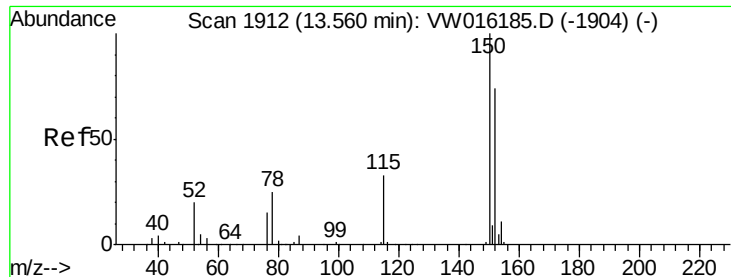
Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

11.63

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016281.D

Acq: 21 Aug 2020 00:19

Instrument :

MSVOA\_W

ClientSampleId :

CHRT-25433RE

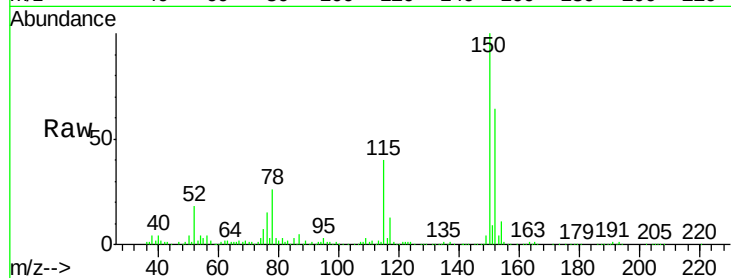
Tot Ion:152 Resp: 93270

Ion Ratio Lower Upper

152 100

115 60.1 30.9 92.5

150 154.8 0.0 337.8



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

