

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\  
 Data File : VW011665.D  
 Acq On : 03 Aug 2019 14:56  
 Operator : SY/VA  
 Sample : K4152-04  
 Misc : 6.37G/5ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 2S-H3-(0-1)

Quant Time: Aug 04 02:09:37 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

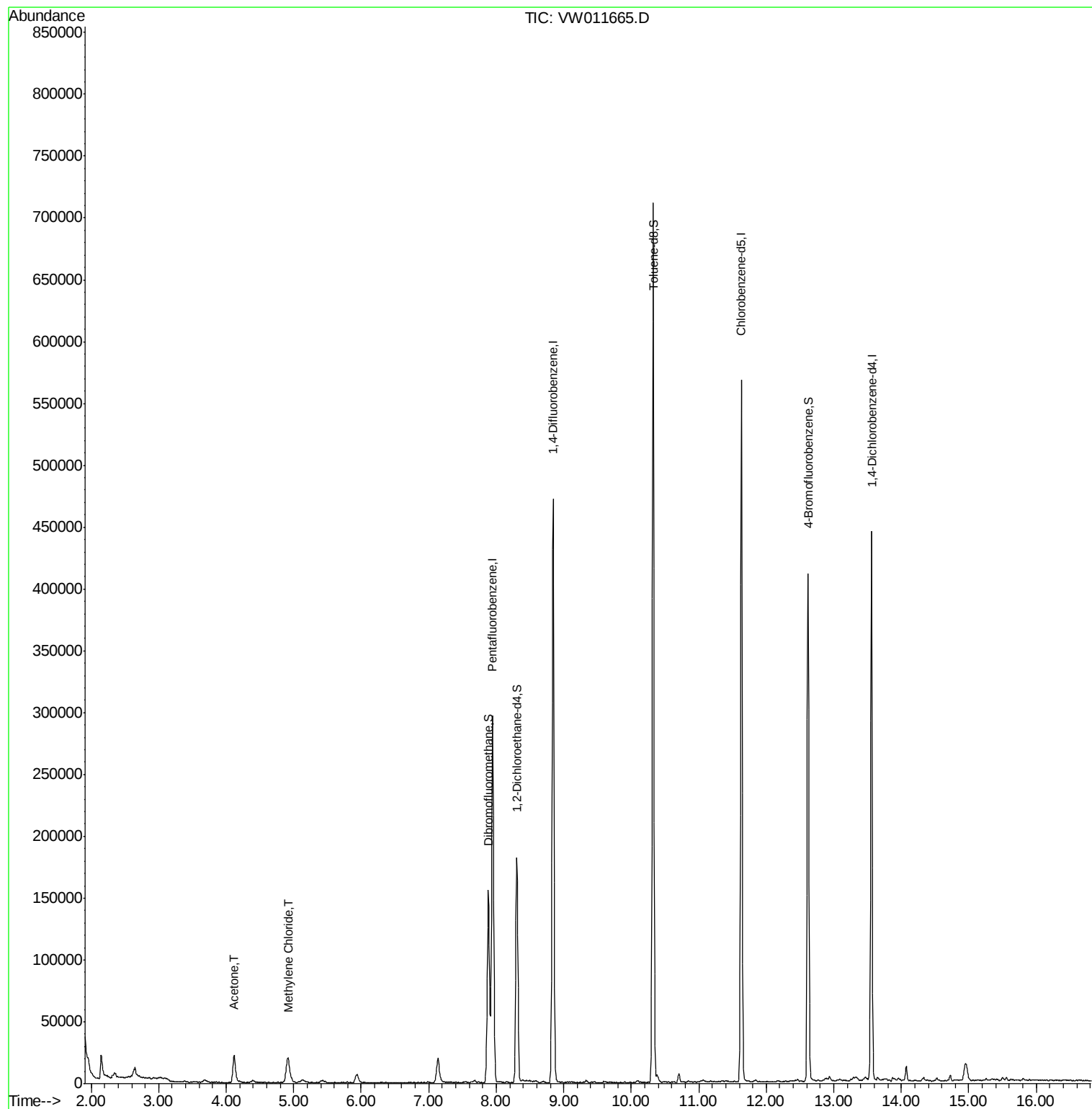
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|---------|------------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 212864   | 50.00  | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 360984   | 50.00  | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 299233   | 50.00  | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 108631   | 50.00  | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |        |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 142696   | 58.38  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.76% |            |
| 35) Dibromofluoromethane    | 7.88  | 113  | 110956   | 54.79  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.58% |            |
| 50) Toluene-d8              | 10.32 | 98   | 441249   | 53.22  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.44% |            |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 135195   | 45.73  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.46%  |            |
| Target Compounds            |       |      |          |        |         |            |
| 16) Acetone                 | 4.12  | 43   | 39855    | 51.259 | ug/l    | Qvalue 100 |
| 20) Methylene Chloride      | 4.92  | 84   | 15650    | 5.836  | ug/l    | 94         |

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

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ClientSampleId :  
2S-H3-(0-1)

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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: VW011665.D

Acq: 03 Aug 2019 14:56

Instrument :

MSVOA\_W

ClientSampleId :

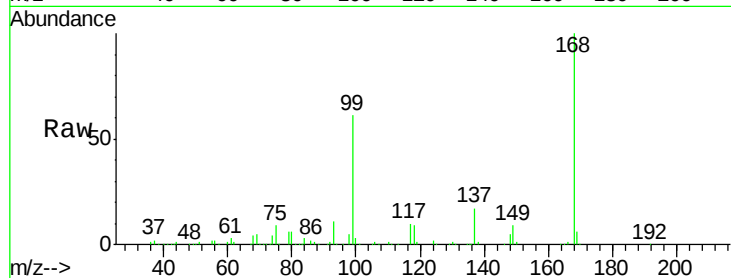
2S-H3-(0-1)

Tot Ion:168 Resp: 212864

Ion Ratio Lower Upper

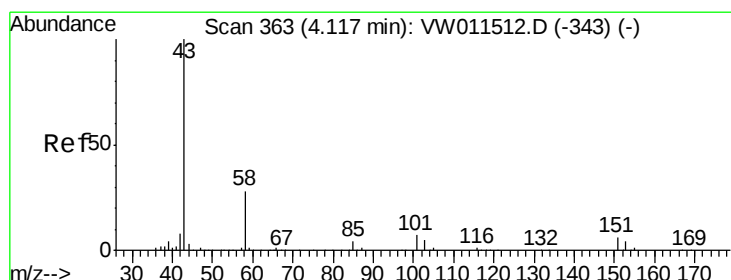
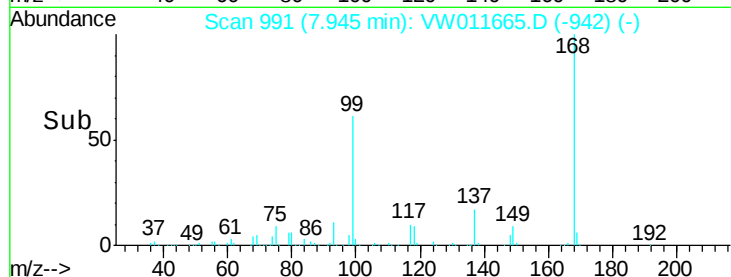
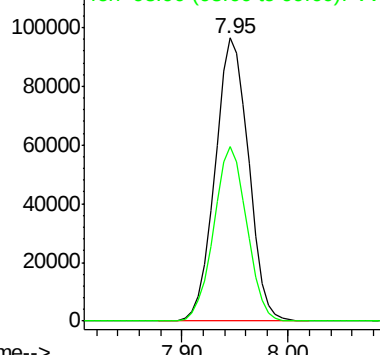
168 100

99 61.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 51.259 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011665.D

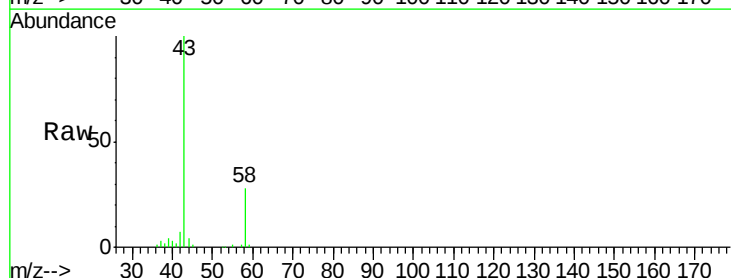
Acq: 03 Aug 2019 14:56

Tgt Ion: 43 Resp: 39855

Ion Ratio Lower Upper

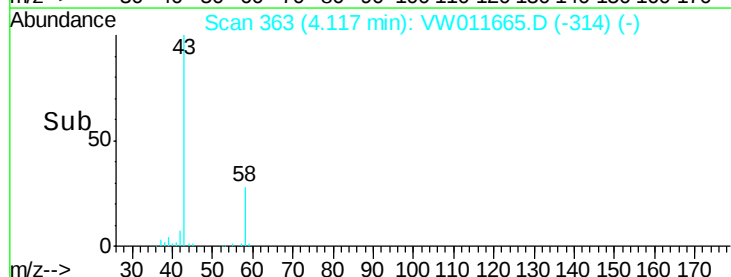
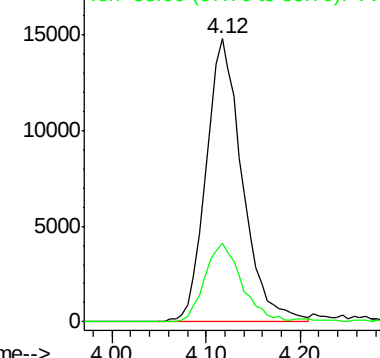
43 100

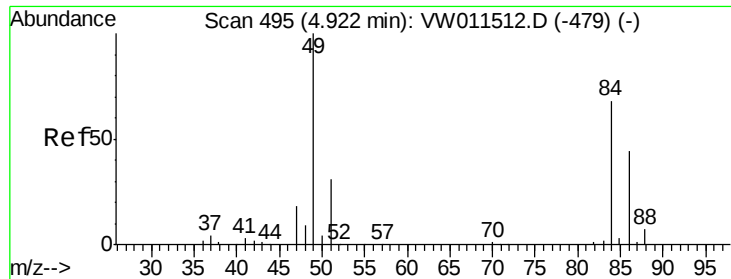
58 27.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

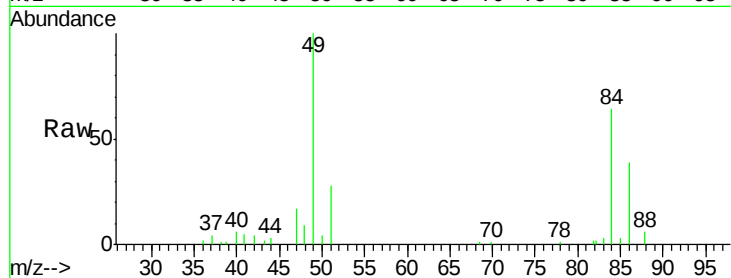




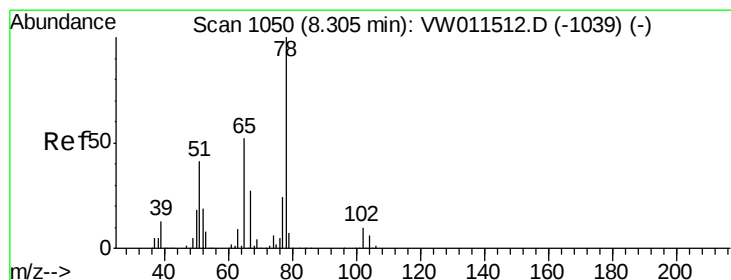
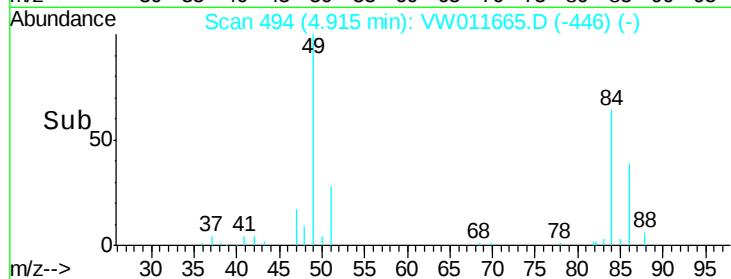
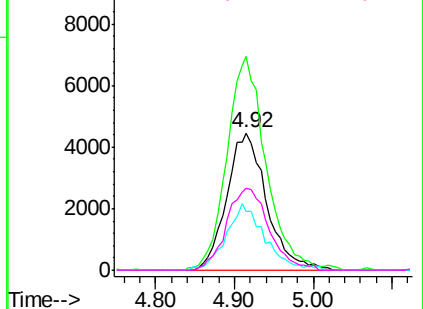
#20  
Methvlene Chloride  
Concen: 5.836 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: VW011665.D  
Acq: 03 Aug 2019 14:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
2S-H3-(0-1)

Tot Ion: 84 Resp: 15650  
Ion Ratio Lower Upper  
84 100  
49 154.1 117.8 176.6  
51 43.1 37.0 55.4  
86 60.0 51.8 77.8

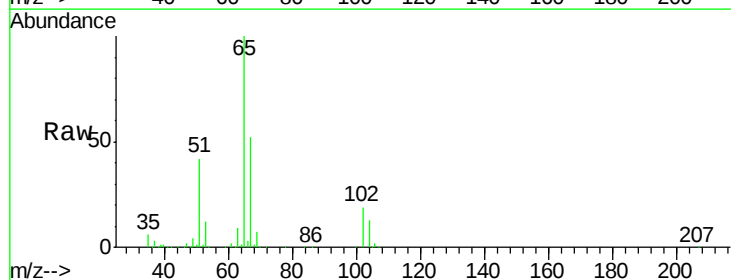


Abundance Ion 83.90 (83.60 to 84.60): VW  
Ion 48.90 (48.60 to 49.60): VW  
Ion 50.90 (50.60 to 51.60): VW  
Ion 85.90 (85.60 to 86.60): VW

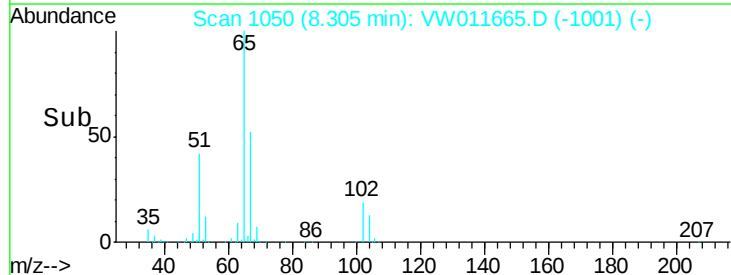
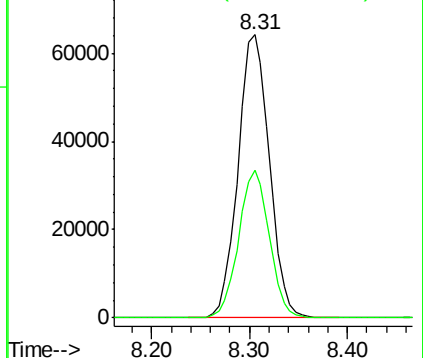


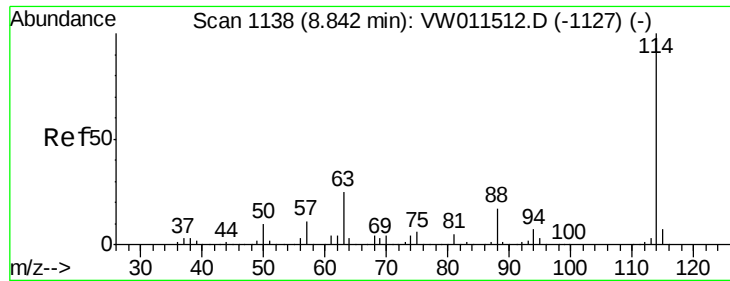
#33  
1,2-Dichloroethane-d4  
Concen: 58.380 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VW011665.D  
Acq: 03 Aug 2019 14:56

Tgt Ion: 65 Resp: 142696  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW  
Ion 66.90 (66.60 to 67.60): VW

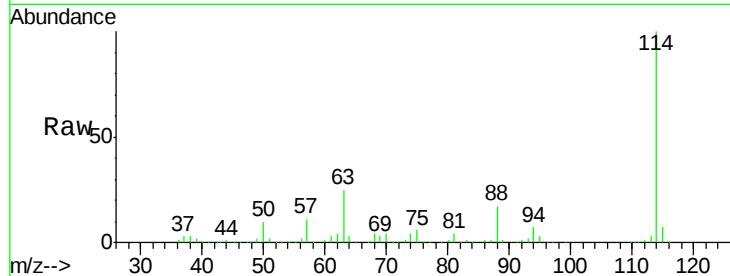




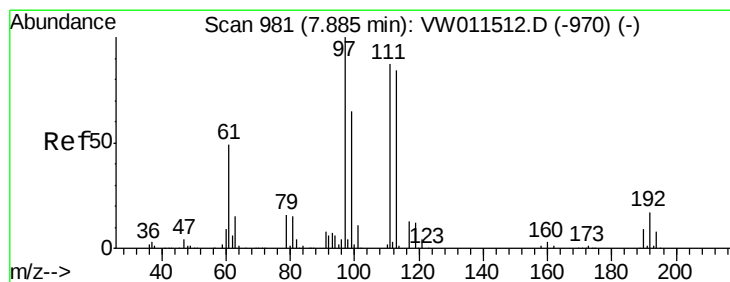
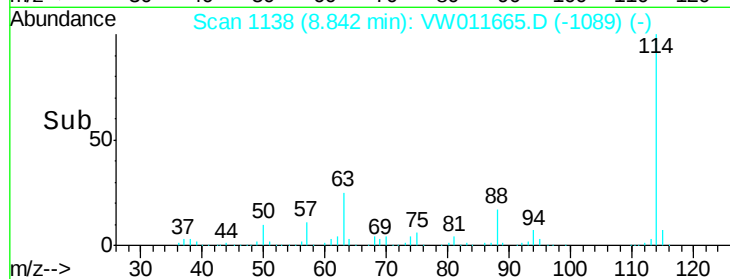
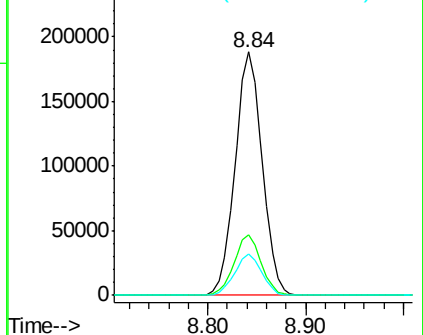
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011665.D  
 Acq: 03 Aug 2019 14:56

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 2S-H3-(0-1)

Tot Ion:114 Resp: 360984  
 Ion Ratio Lower Upper  
 114 100  
 63 24.7 0.0 49.2  
 88 16.8 0.0 33.8

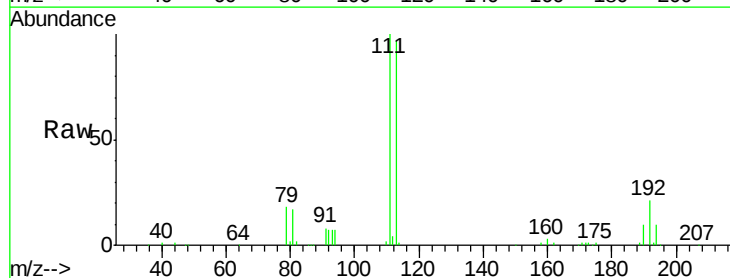


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

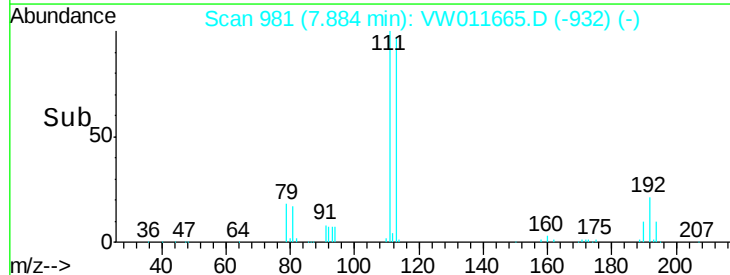
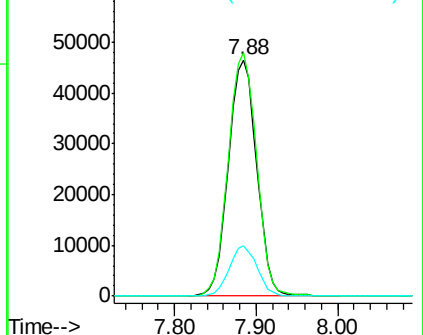


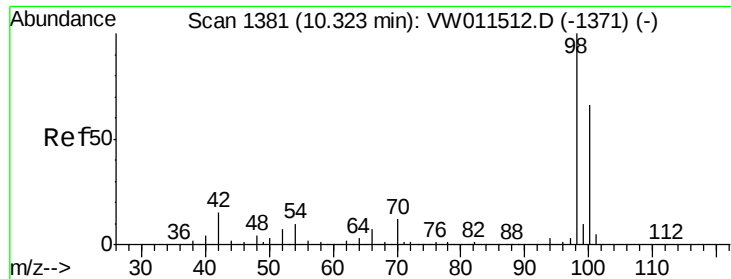
#35  
 Dibromofluoromethane  
 Concen: 54.788 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW011665.D  
 Acq: 03 Aug 2019 14:56

Tgt Ion:113 Resp: 110956  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 82.7 124.1  
 192 21.0 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: 53.216 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011665.D

Acq: 03 Aug 2019 14:56

Instrument :

MSVOA\_W

ClientSampleId :

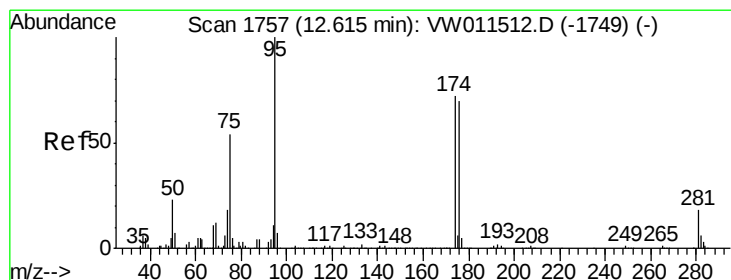
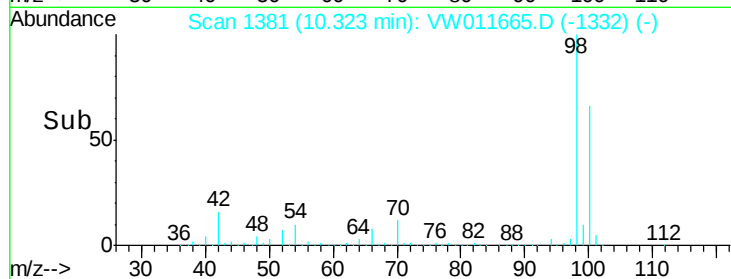
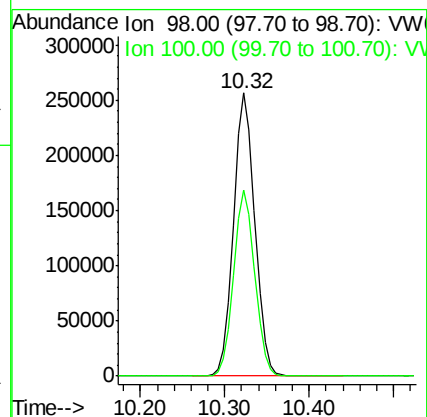
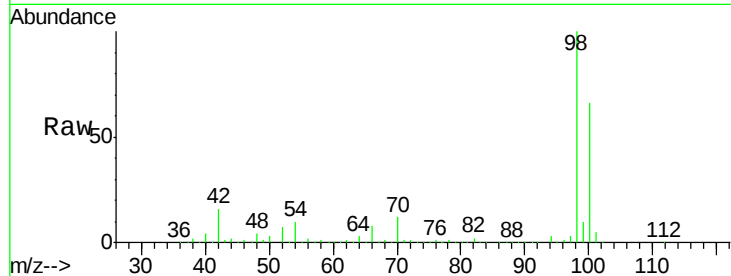
2S-H3-(0-1)

Tot Ion: 98 Resp: 441249

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 45.733 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011665.D

Acq: 03 Aug 2019 14:56

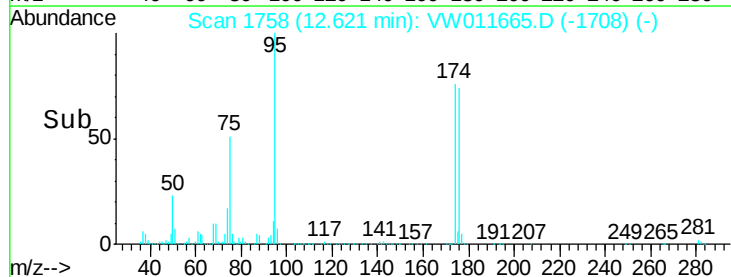
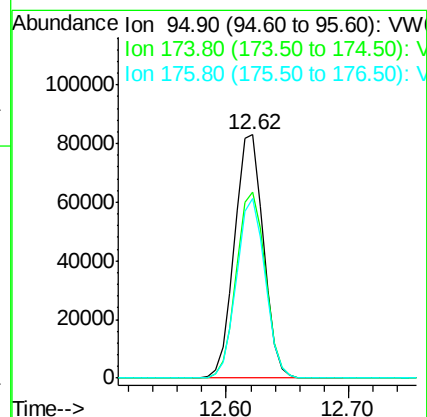
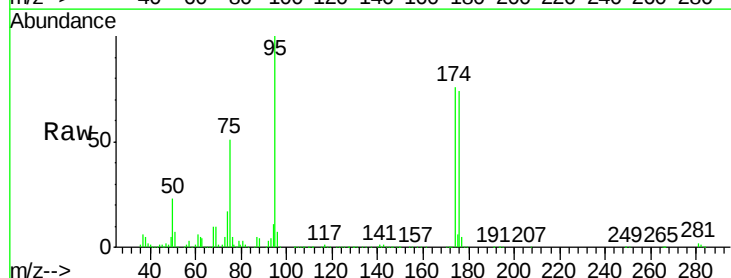
Tgt Ion: 95 Resp: 135195

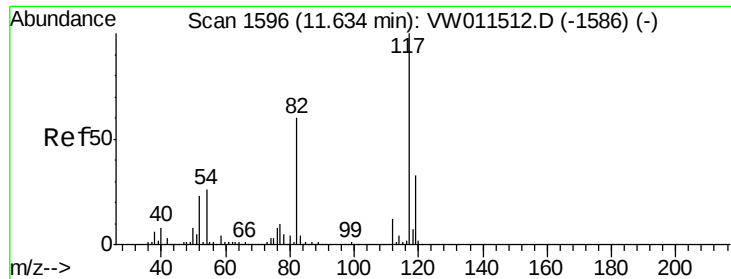
Ion Ratio Lower Upper

95 100

174 77.0 0.0 150.2

176 73.1 0.0 144.4

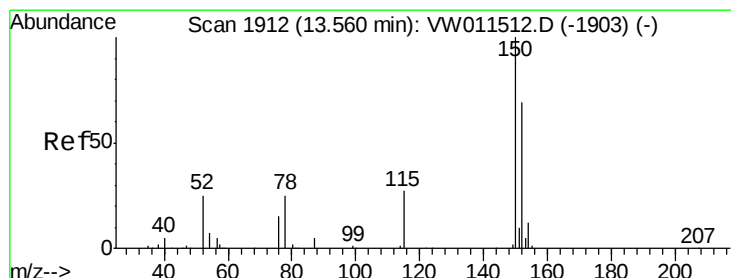
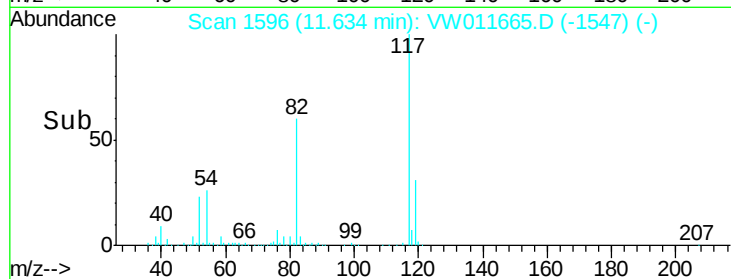
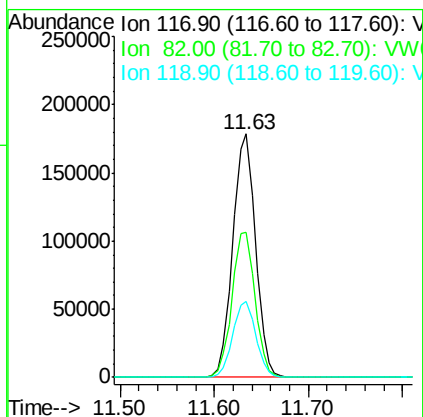
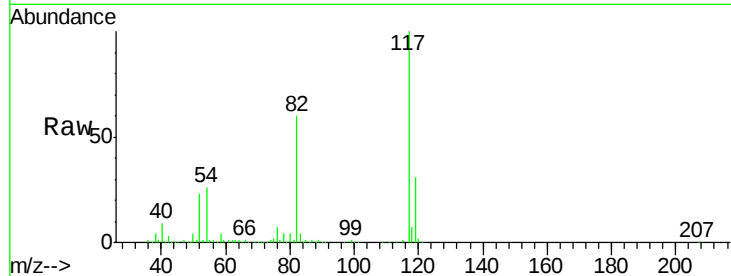




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW011665.D  
Acq: 03 Aug 2019 14:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
2S-H3-(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.6  | 47.9  | 71.9  |
| 119     | 31.1  | 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: VW011665.D  
Acq: 03 Aug 2019 14:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.6  | 30.5  | 91.5  |
| 150     | 156.8 | 0.0   | 352.6 |

