

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012519\  
 Data File : VW008425.D  
 Acq On : 25 Jan 2019 21:25  
 Operator : SY/VA  
 Sample : K1015-15  
 Misc : 7.37G/5ML/MSVOA W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SU-04-012419-B

Quant Time: Jan 28 04:25:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

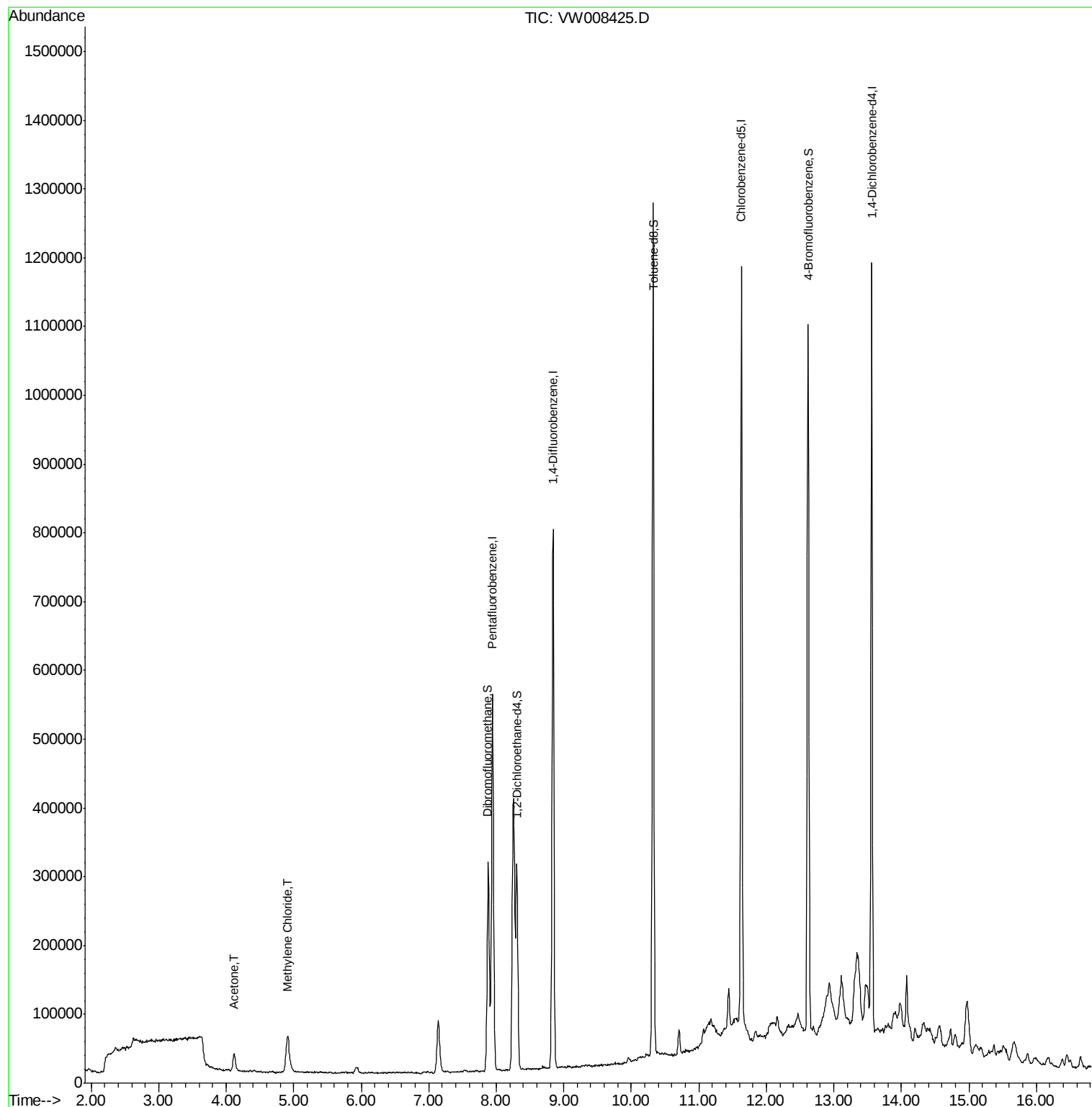
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 426974   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 679351   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 608832   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 281134   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 220706   | 52.62  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.24% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 212646   | 53.53  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.06% |          |
| 50) Toluene-d8              | 10.32 | 98   | 806739   | 50.64  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.28% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 294477   | 48.09  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.18%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 45205    | 47.990 | ug/l #  | 88       |
| 20) Methylene Chloride      | 4.91  | 84   | 46410    | 10.690 | ug/l    | 86       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012519\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 25 11:07:41 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: VW008425.D

Acq: 25 Jan 2019 21:25

Instrument :

MSVOA\_W

ClientSampleId :

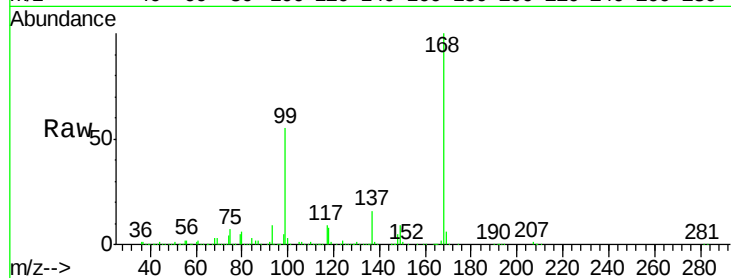
SU-04-012419-B

Tot Ion:168 Resp: 426974

Ion Ratio Lower Upper

168 100

99 54.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

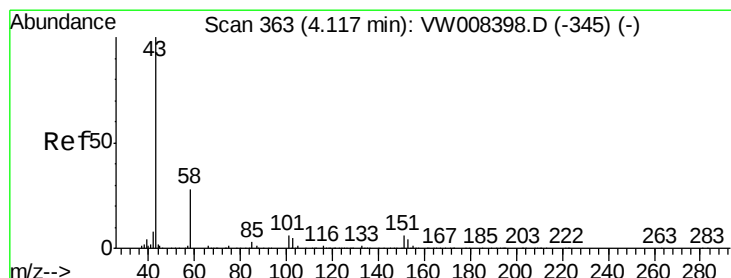
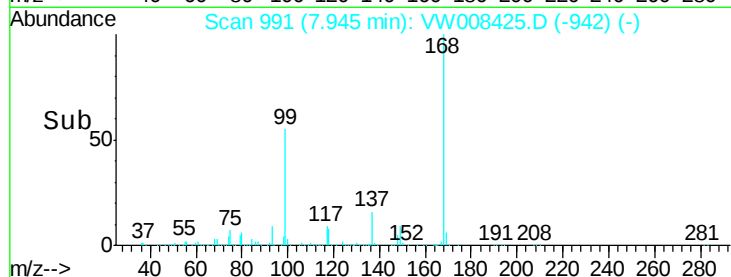
100000

50000

0

7.80 7.90 8.00

Time-->



#16

Acetone

Concen: 47.990 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008425.D

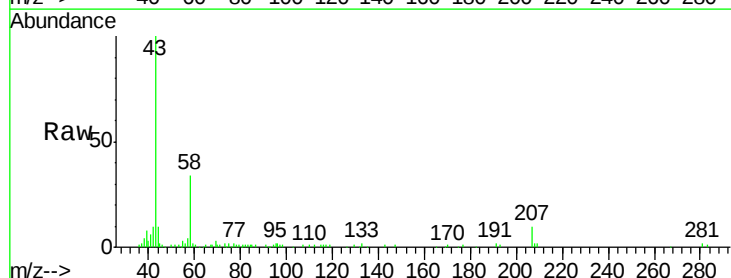
Acq: 25 Jan 2019 21:25

Tgt Ion: 43 Resp: 45205

Ion Ratio Lower Upper

43 100

58 34.8 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

15000

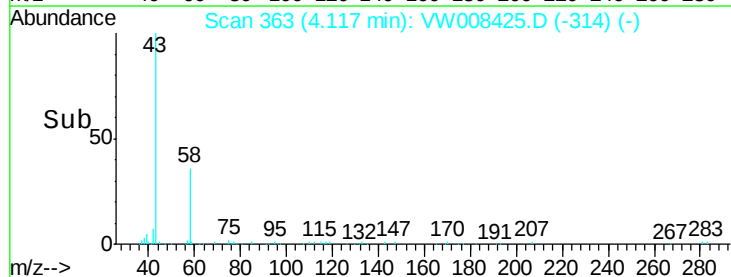
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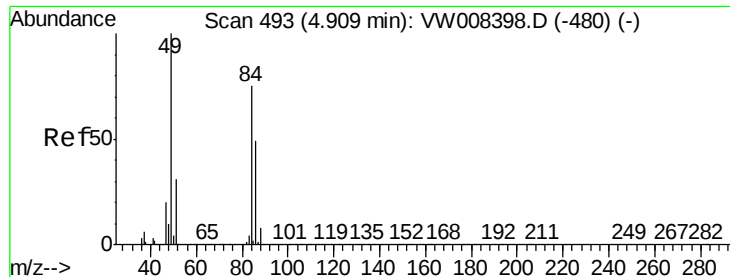
5000

0

4.00 4.10 4.20

Time-->

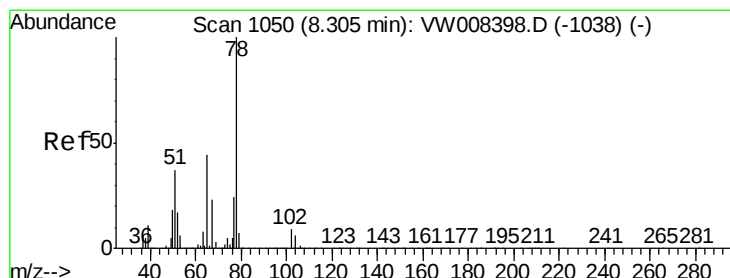
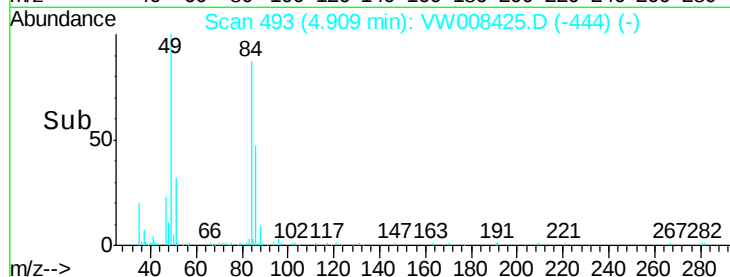
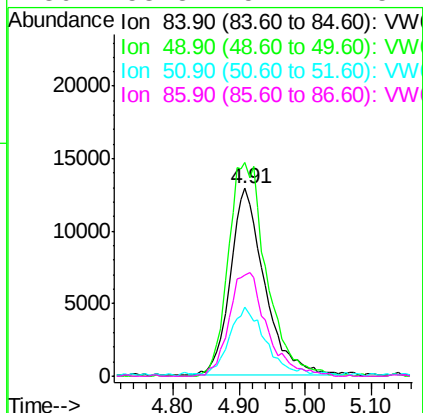
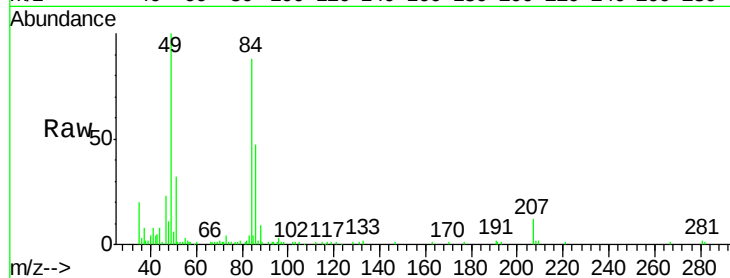




#20  
Methvlene Chloride  
Concen: 10.690 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. 0.00 min  
Lab File: VW008425.D  
Acq: 25 Jan 2019 21:25

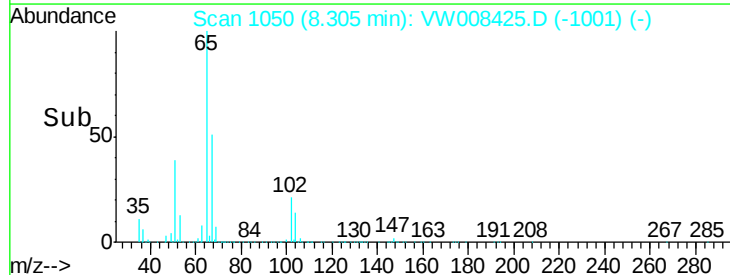
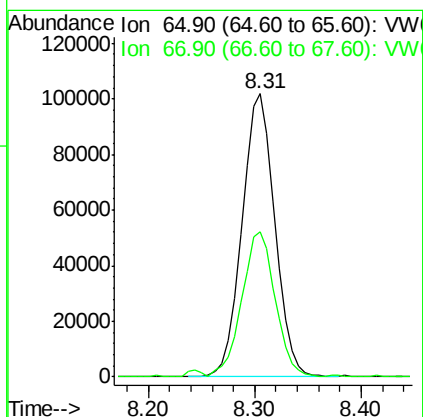
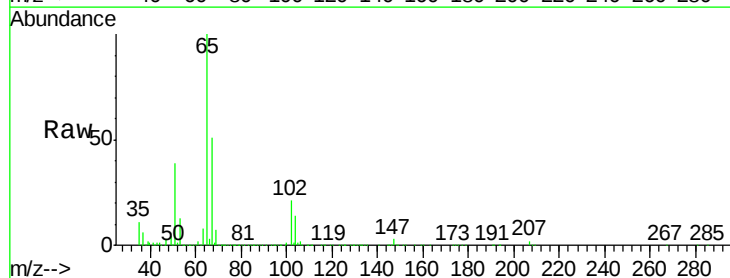
Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-04-012419-B

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 46410 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 114.3 | 106.8 | 160.2 |
| 51       | 36.1  | 32.9  | 49.3  |
| 86       | 53.8  | 52.2  | 78.2  |



#33  
1,2-Dichloroethane-d4  
Concen: 52.616 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VW008425.D  
Acq: 25 Jan 2019 21:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 220706 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.1  | 0.0   | 104.0  |

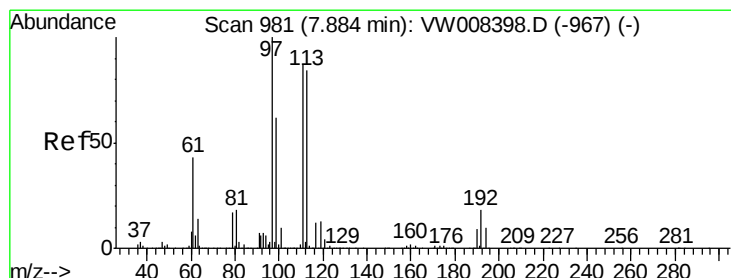
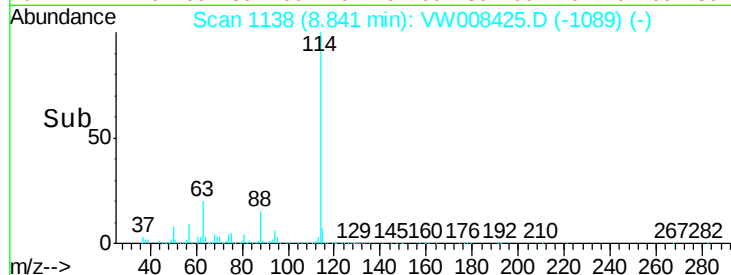
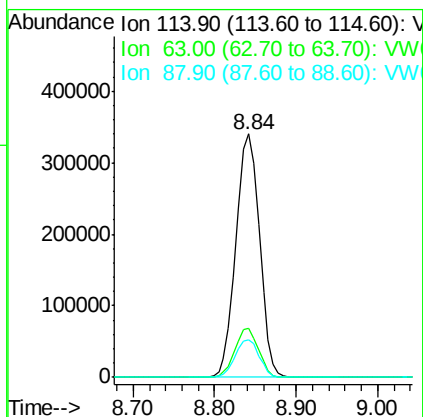
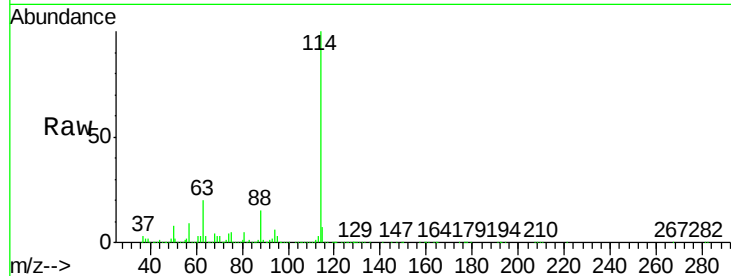




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW008425.D  
 Acq: 25 Jan 2019 21:25

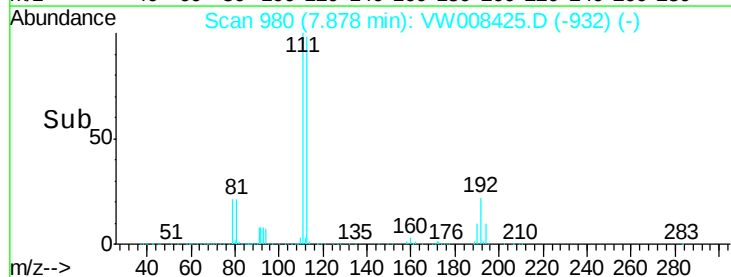
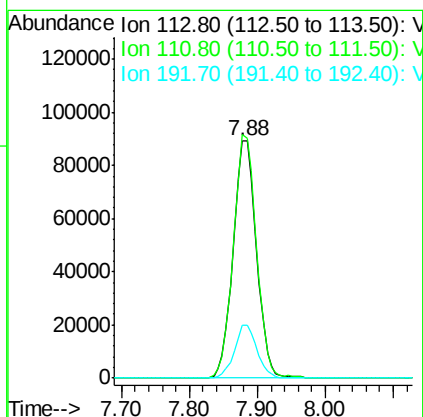
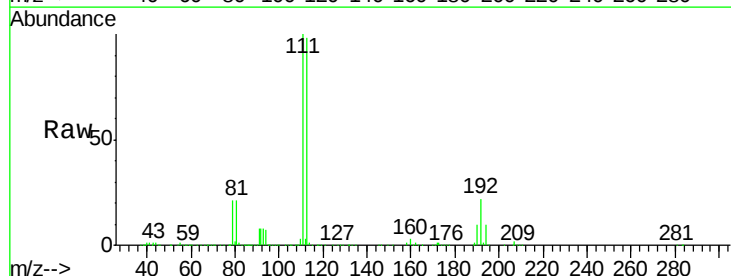
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SU-04-012419-B

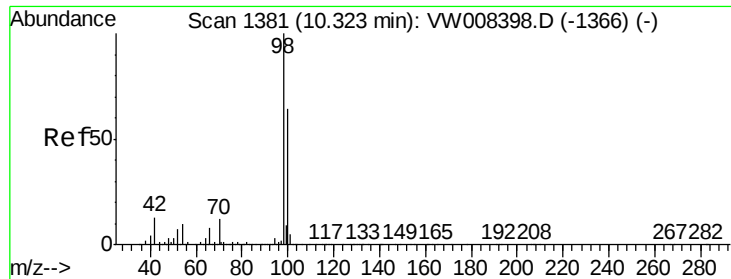
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.3  | 0.0   | 43.6  |
| 88      | 15.2  | 0.0   | 31.8  |



#35  
 Dibromofluoromethane  
 Concen: 53.531 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW008425.D  
 Acq: 25 Jan 2019 21:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.4 | 81.0  | 121.4 |
| 192     | 21.5  | 16.8  | 25.2  |





#50

Toluene-d8

Concen: 50.644 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008425.D

Acq: 25 Jan 2019 21:25

Instrument :

MSVOA\_W

ClientSampleId :

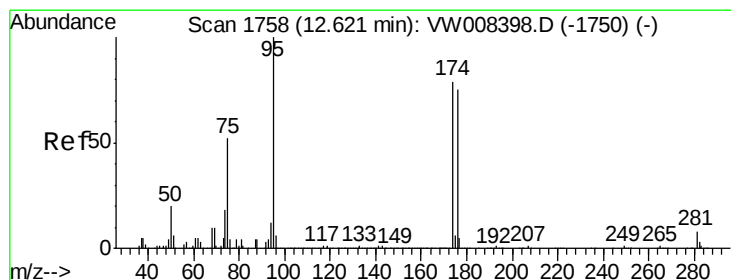
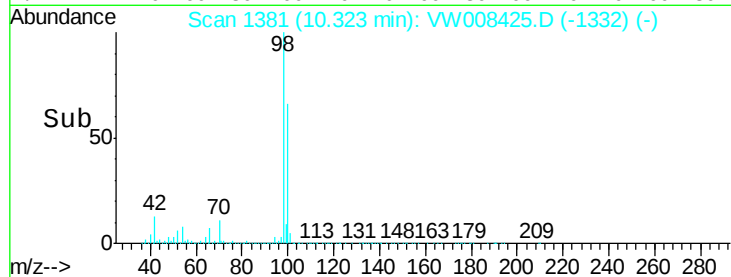
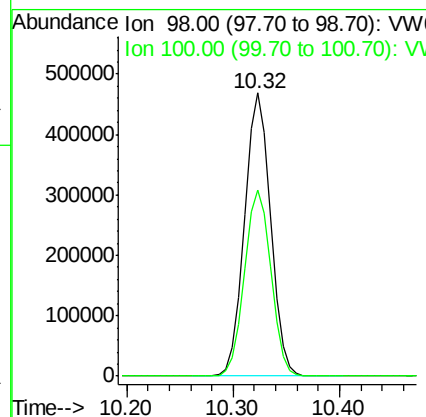
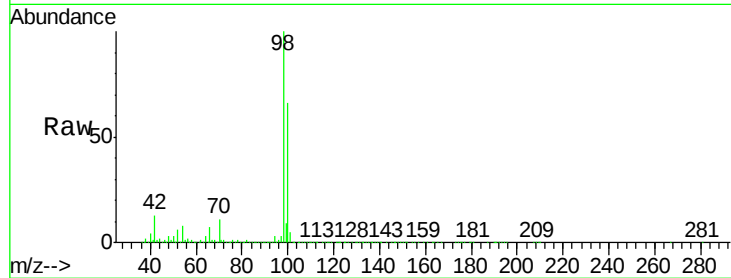
SU-04-012419-B

Tot Ion: 98 Resp: 806739

Ion Ratio Lower Upper

98 100

100 67.0 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 48.093 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008425.D

Acq: 25 Jan 2019 21:25

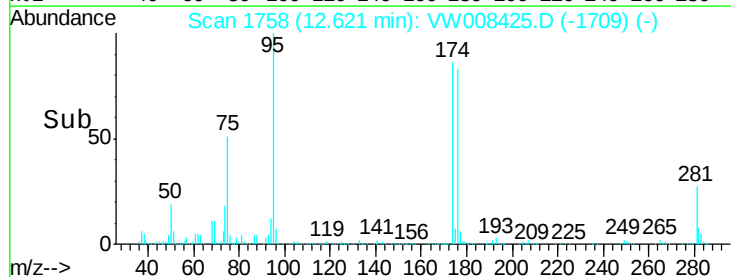
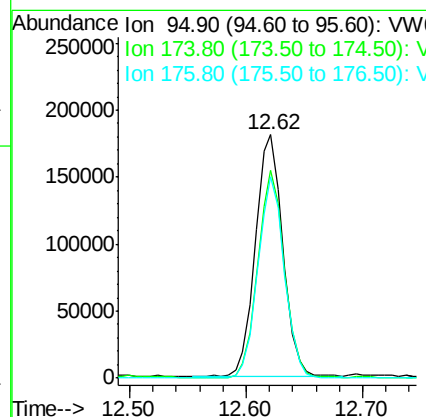
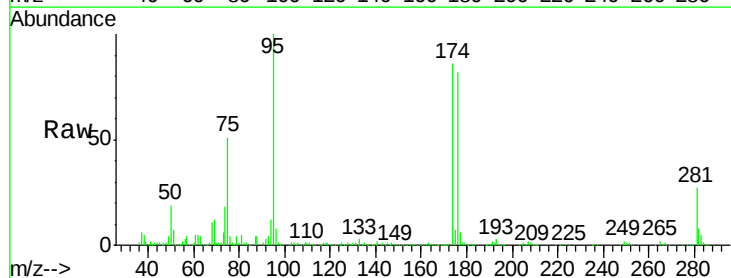
Tgt Ion: 95 Resp: 294477

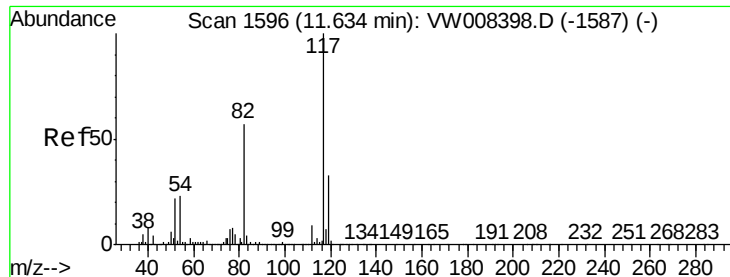
Ion Ratio Lower Upper

95 100

174 82.7 0.0 157.6

176 80.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008425.D

Acq: 25 Jan 2019 21:25

Instrument :

MSVOA\_W

ClientSampleId :

SU-04-012419-B

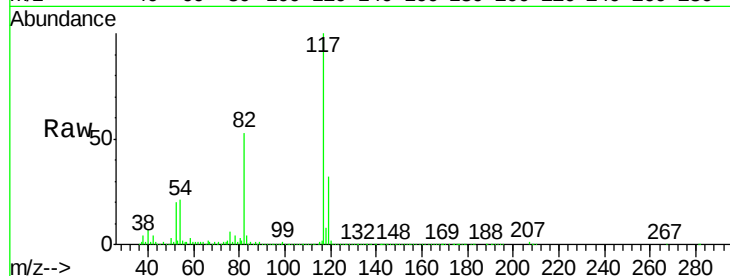
Tot Ion:117 Resp: 608832

Ion Ratio Lower Upper

117 100

82 52.9 45.4 68.0

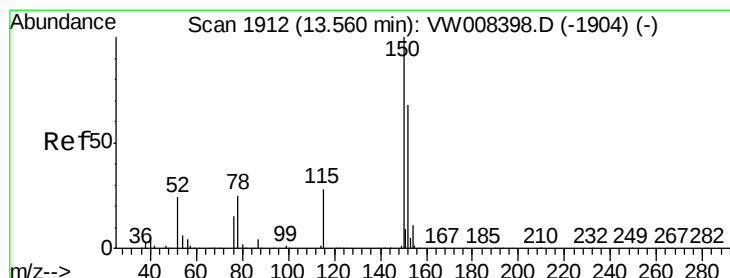
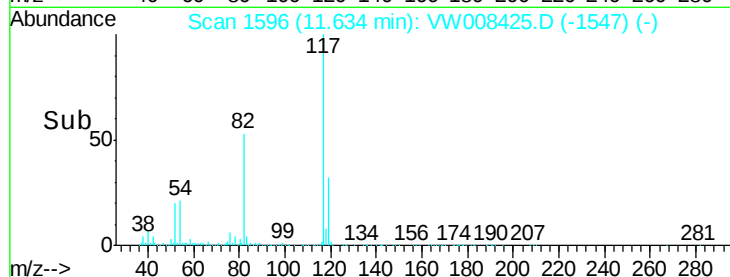
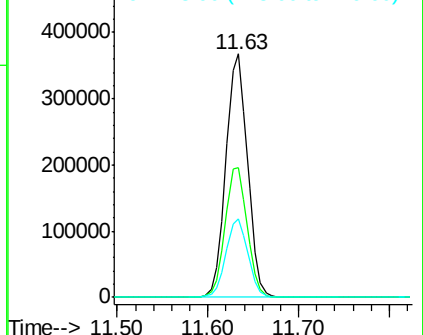
119 32.2 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008425.D

Acq: 25 Jan 2019 21:25

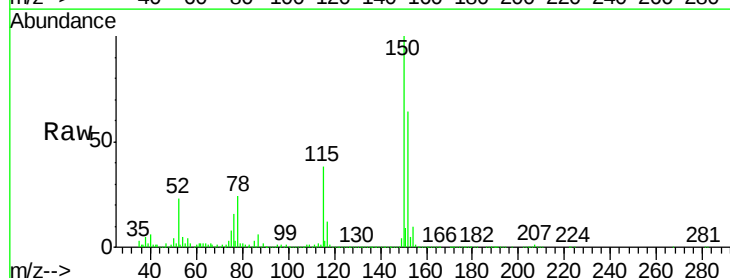
Tgt Ion:152 Resp: 281134

Ion Ratio Lower Upper

152 100

115 58.1 29.9 89.7

150 156.8 0.0 351.4



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

