

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\  
 Data File : VW010387.D  
 Acq On : 11 May 2019 18:03  
 Operator : SY/VA  
 Sample : K2719-16  
 Misc : 5.32G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P026-SS010-1218-01

Quant Time: May 12 01:03:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W050919S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 10 03:41:21 2019  
 Response via : Initial Calibration

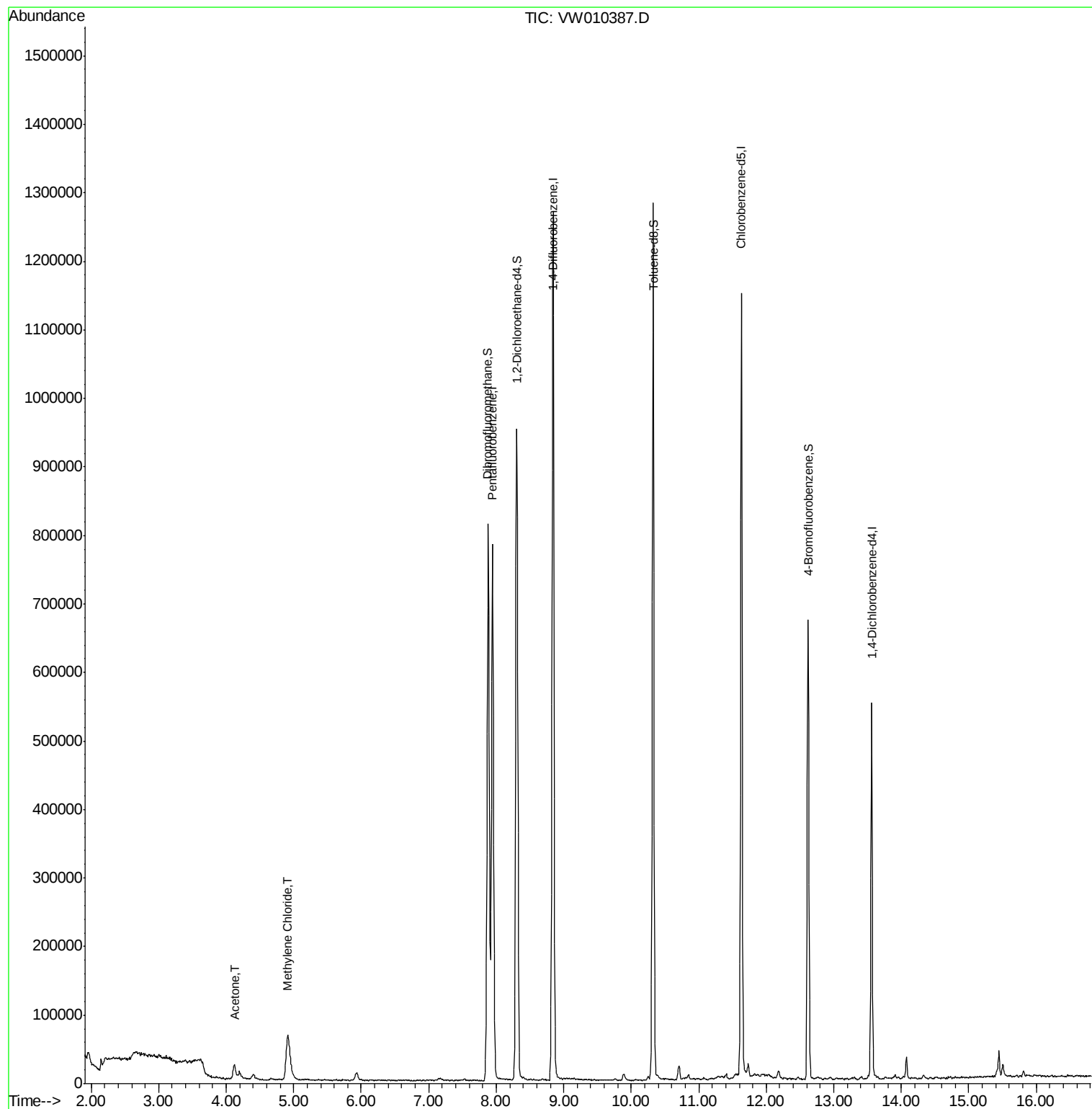
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 558390   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 1028875  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 627330   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 139080   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 743935   | 125.32 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 250.64% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 581481   | 96.58  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 193.16% |          |
| 50) Toluene-d8              | 10.32 | 98   | 822830   | 33.56  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 67.12%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 212640   | 24.64  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 49.28%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 40576    | 26.219 | ug/l #  | 83       |
| 20) Methylene Chloride      | 4.92  | 84   | 65121    | 10.089 | ug/l    | 95       |

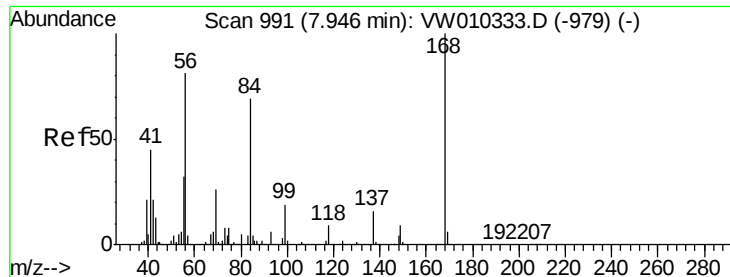
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051119\  
Data File : VW010387.D  
Acq On : 11 May 2019 18:03  
Operator : SY/VA  
Sample : K2719-16  
Misc : 5.32G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
P026-SS010-1218-01

Quant Time: May 12 01:03:26 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W050919S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 10 03:41:21 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: VW010387.D

Acq: 11 May 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

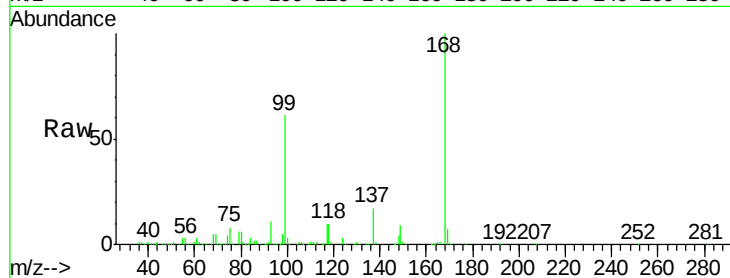
P026-SS010-1218-01

Tot Ion:168 Resp: 558390

Ion Ratio Lower Upper

168 100

99 60.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

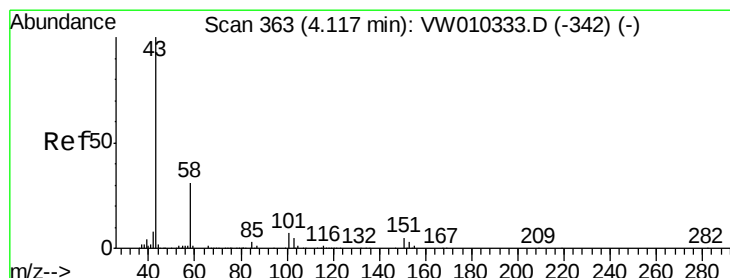
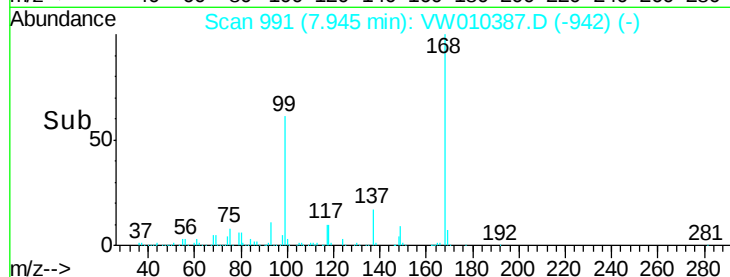
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 26.219 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010387.D

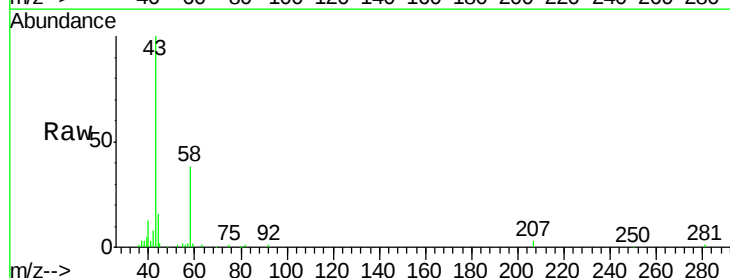
Acq: 11 May 2019 18:03

Tgt Ion: 43 Resp: 40576

Ion Ratio Lower Upper

43 100

58 37.5 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

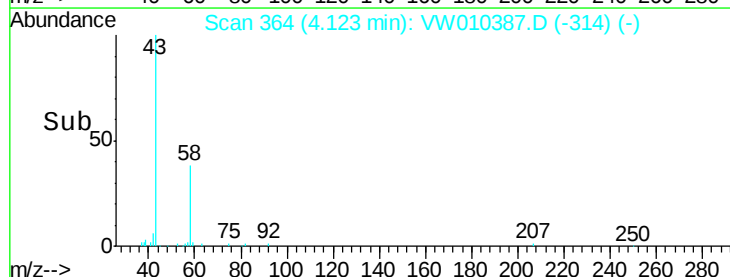
15000

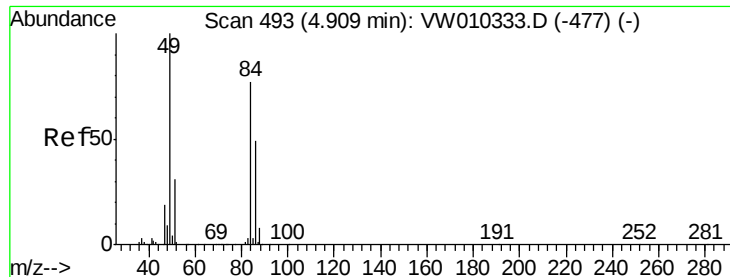
10000

5000

0

Time--> 4.00 4.10 4.20

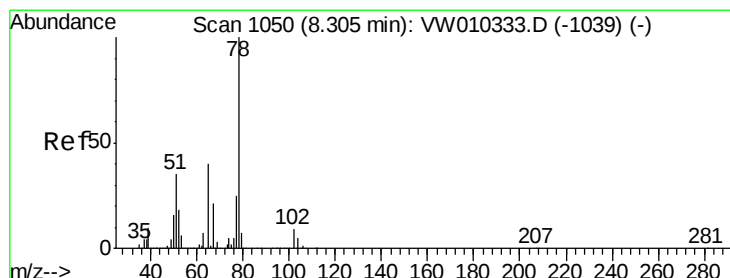
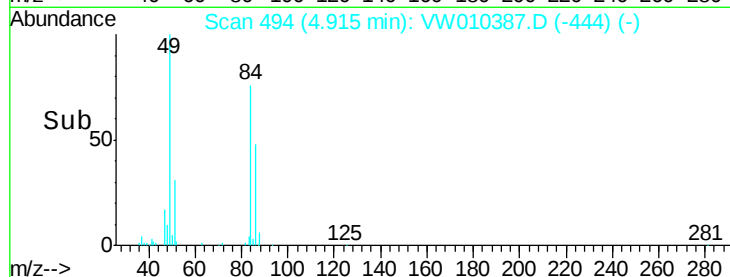
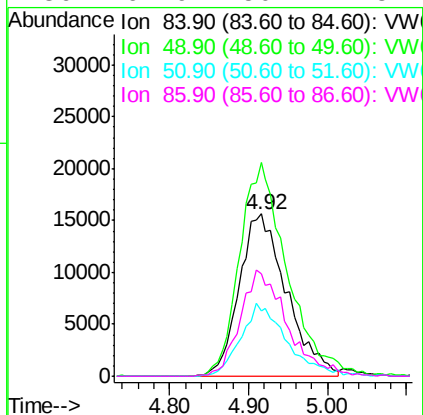
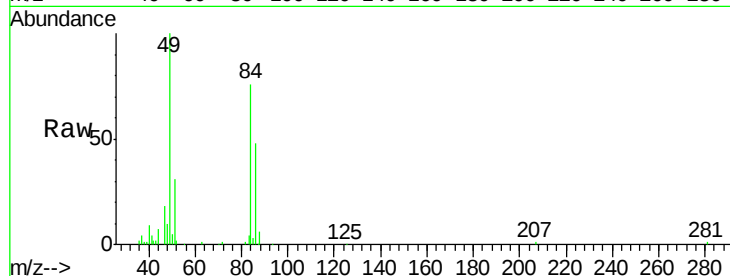




#20  
Methylene Chloride  
Concen: 10.089 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW010387.D  
Acq: 11 May 2019 18:03

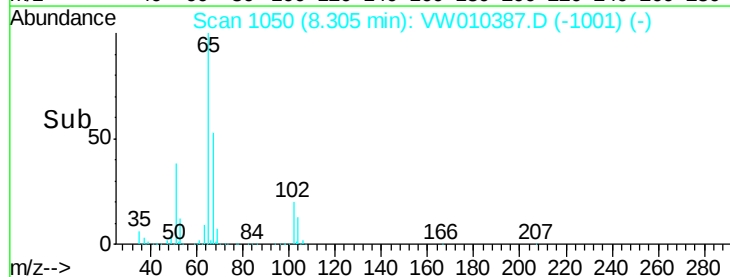
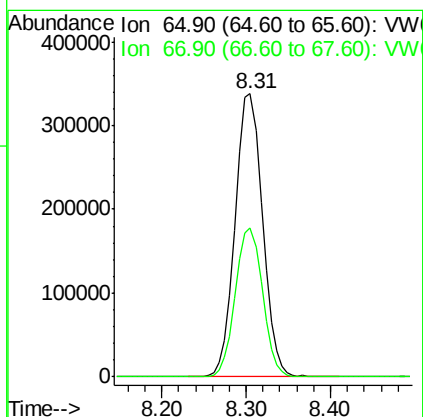
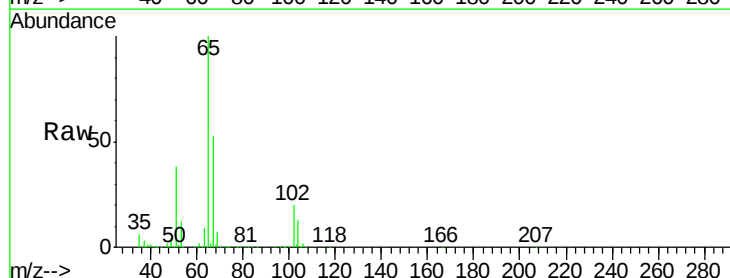
Instrument :  
MSVOA\_W  
ClientSampleId :  
P026-SS010-1218-01

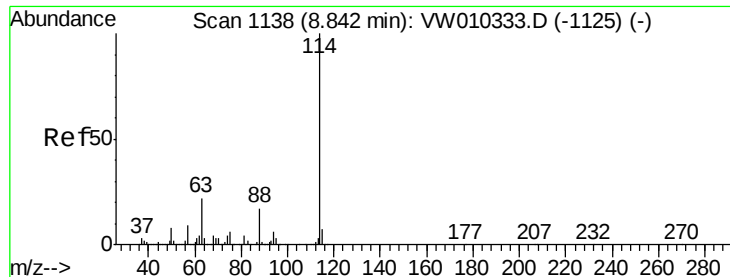
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 65121 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 131.6 | 112.3 | 168.5 |
| 51       | 40.6  | 33.9  | 50.9  |
| 86       | 62.9  | 50.2  | 75.4  |



#33  
1,2-Dichloroethane-d4  
Concen: 125.317 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VW010387.D  
Acq: 11 May 2019 18:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 743935 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.3  | 0.0   | 100.8  |

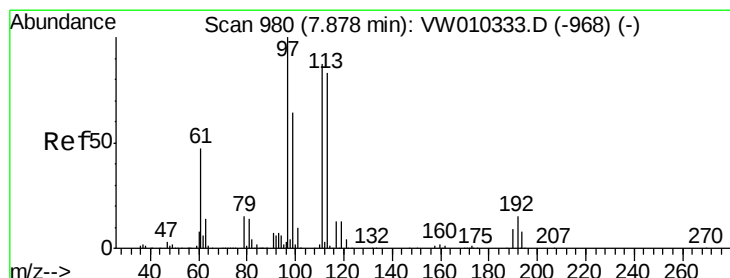
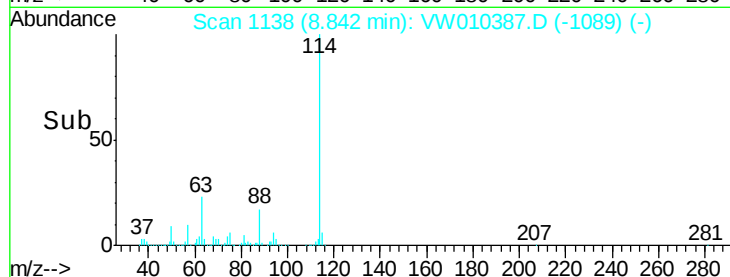
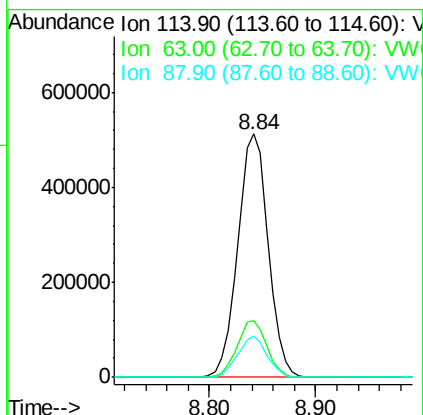
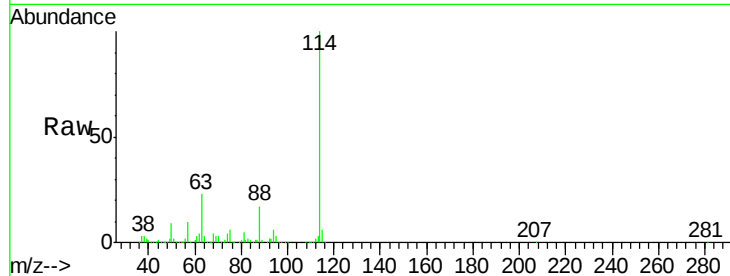




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010387.D  
 Acq: 11 May 2019 18:03

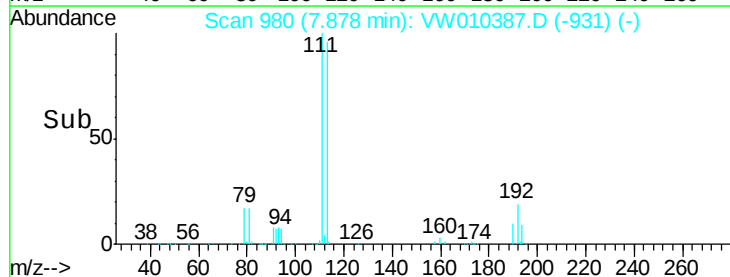
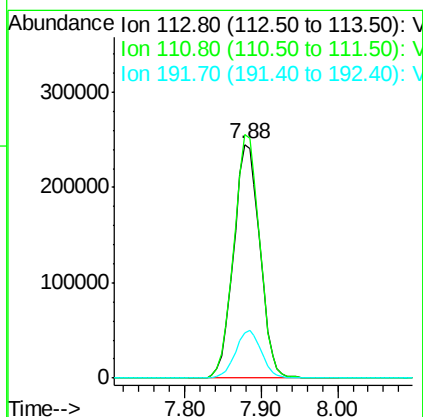
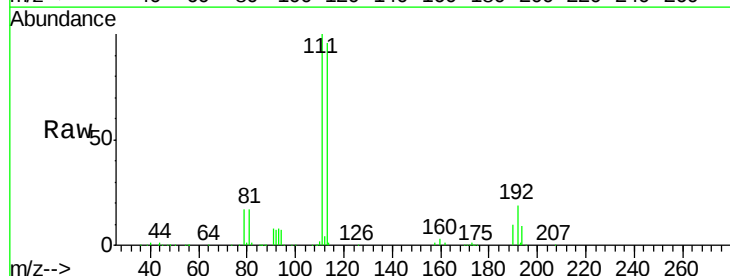
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P026-SS010-1218-01

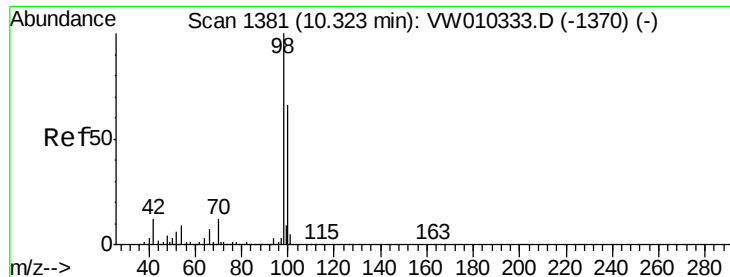
Tot Ion:114 Resp: 1028875  
 Ion Ratio Lower Upper  
 114 100  
 63 23.4 0.0 46.2  
 88 16.7 0.0 32.6



#35  
 Dibromofluoromethane  
 Concen: 96.578 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.00 min  
 Lab File: VW010387.D  
 Acq: 11 May 2019 18:03

Tgt Ion:113 Resp: 581481  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 82.6 123.8  
 192 20.0 15.4 23.2





#50

Toluene-d8

Concen: 33.562 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010387.D

Acq: 11 May 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

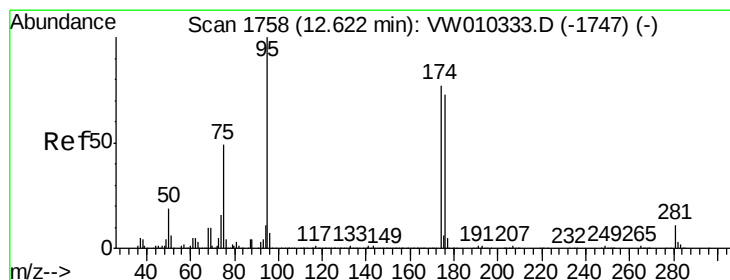
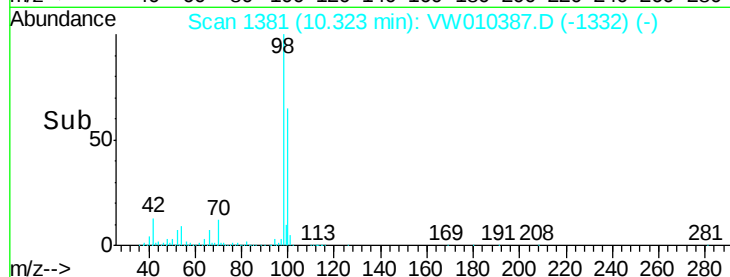
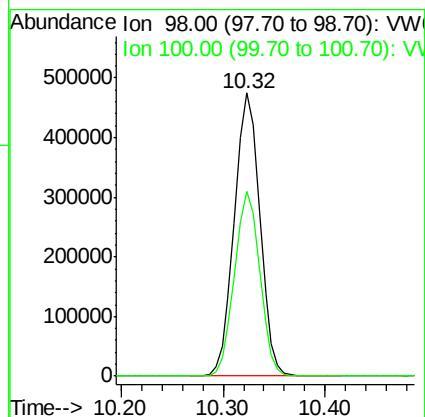
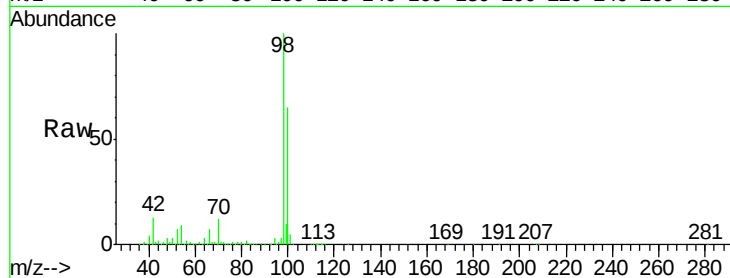
P026-SS010-1218-01

Tot Ion: 98 Resp: 822830

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 24.639 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010387.D

Acq: 11 May 2019 18:03

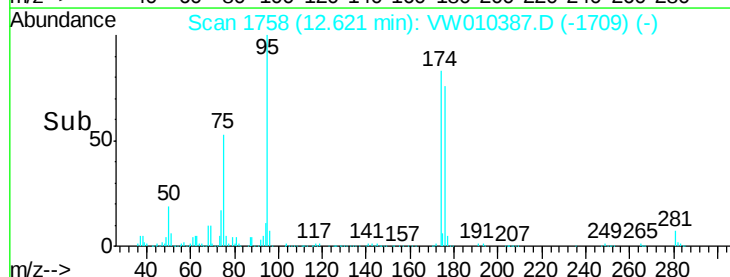
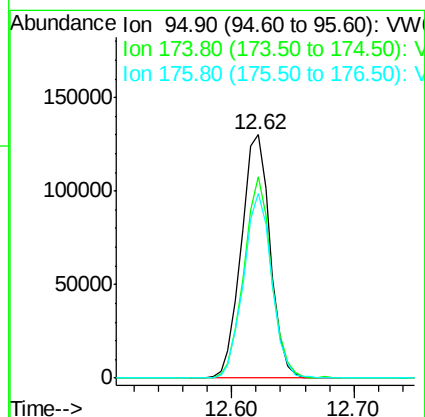
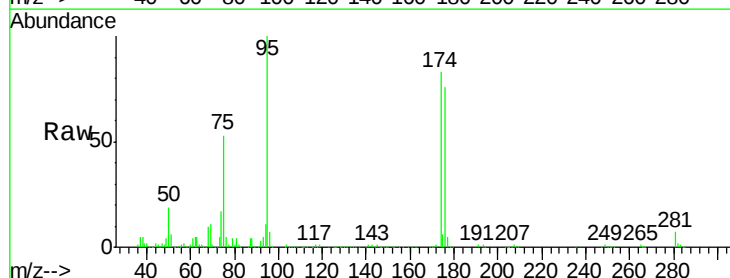
Tgt Ion: 95 Resp: 212640

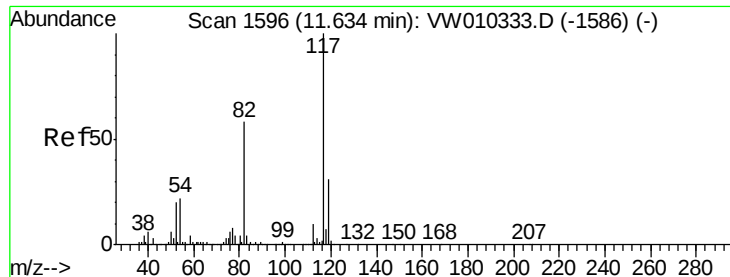
Ion Ratio Lower Upper

95 100

174 79.3 0.0 151.4

176 74.5 0.0 146.2

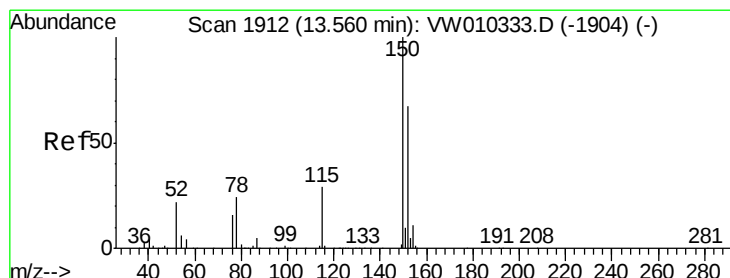
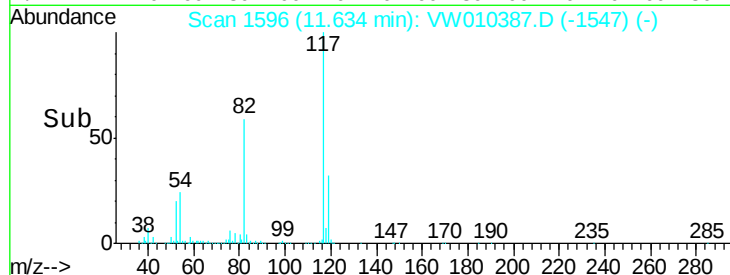
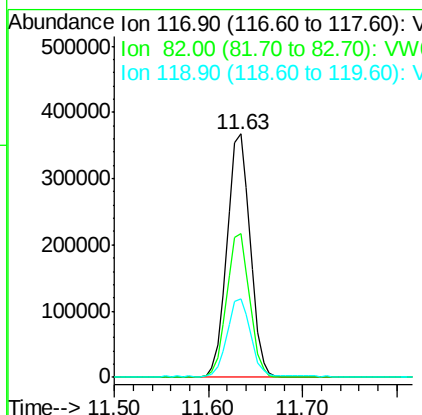
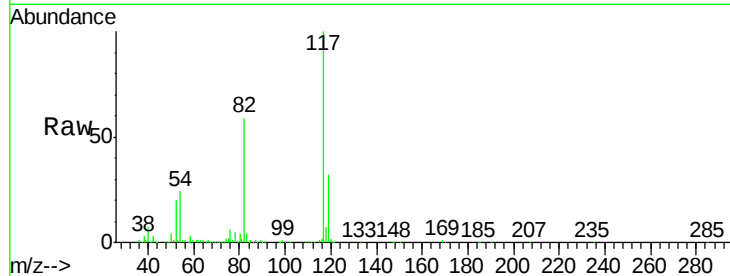




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010387.D  
Acq: 11 May 2019 18:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
P026-SS010-1218-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.0  | 45.2  | 67.8  |
| 119     | 32.2  | 25.4  | 38.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW010387.D  
Acq: 11 May 2019 18:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.4  | 30.4  | 91.2  |
| 150     | 156.0 | 0.0   | 347.0 |

