

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW051119\  
 Data File : VW010388.D  
 Acq On : 11 May 2019 18:31  
 Operator : SY/VA  
 Sample : K2719-17  
 Misc : 6.23G/5ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P026-SS010-1824-01

Quant Time: May 12 01:08:25 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

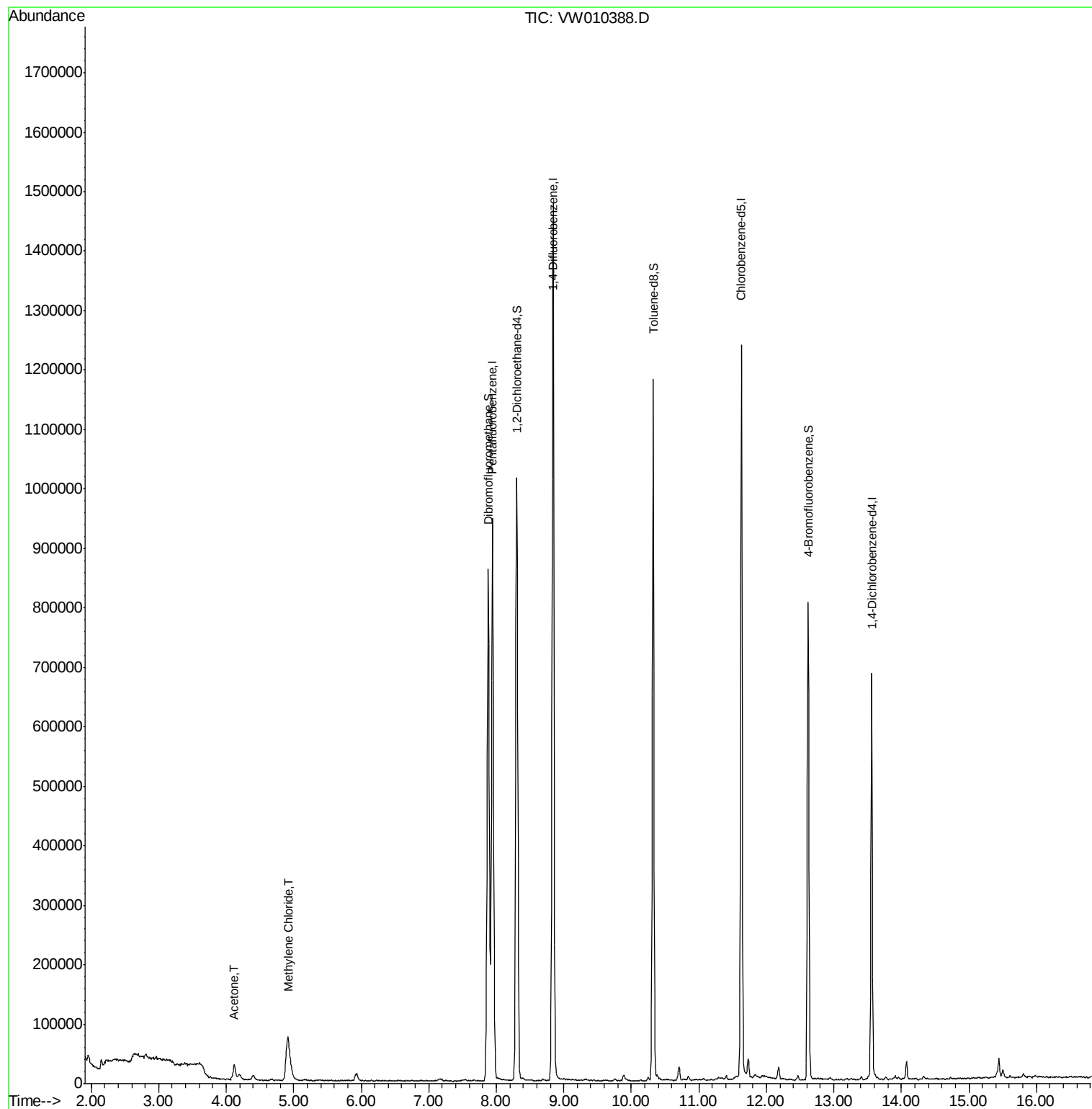
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 668152   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 1188631  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 671515   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 169716   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 790076   | 111.23 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 222.46% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 616074   | 88.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 177.14% |          |
| 50) Toluene-d8              | 10.32 | 98   | 763197   | 26.95  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 53.90%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 258501   | 25.93  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 51.86%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 44529    | 24.046 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.92  | 84   | 75361    | 9.757  | ug/l #  | 85       |

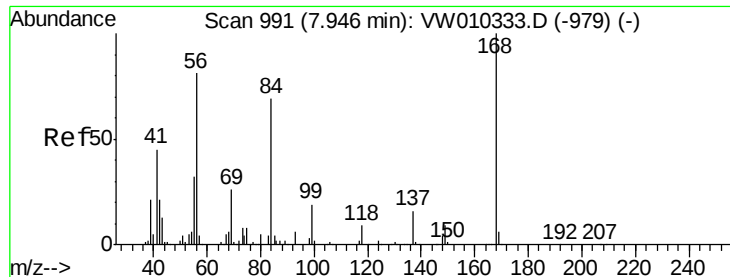
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010388.D

Acq: 11 May 2019 18:31

Instrument :

MSVOA\_W

ClientSampleId :

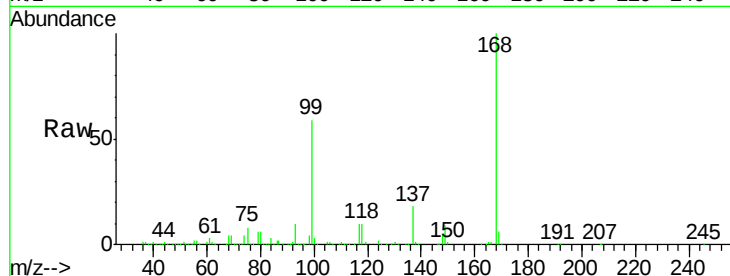
P026-SS010-1824-01

Tot Ion:168 Resp: 668152

Ion Ratio Lower Upper

168 100

99 58.6 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

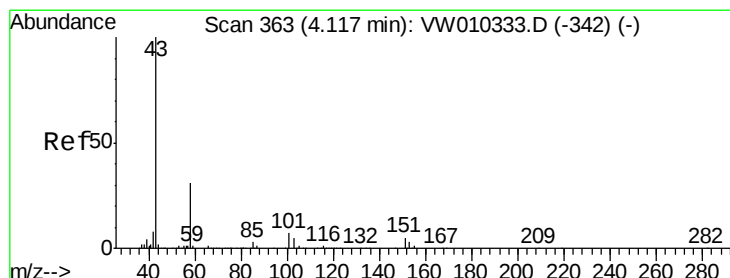
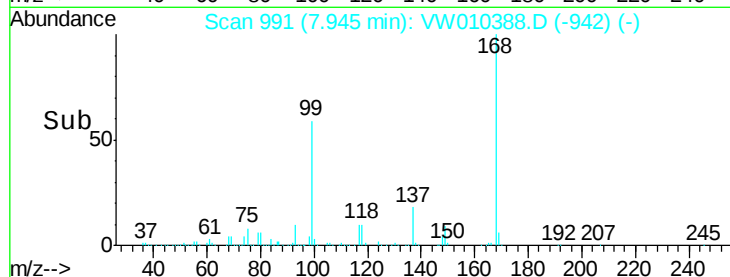
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 24.046 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010388.D

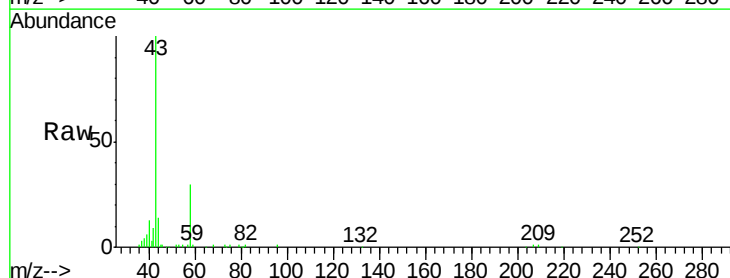
Acq: 11 May 2019 18:31

Tgt Ion: 43 Resp: 44529

Ion Ratio Lower Upper

43 100

58 29.8 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

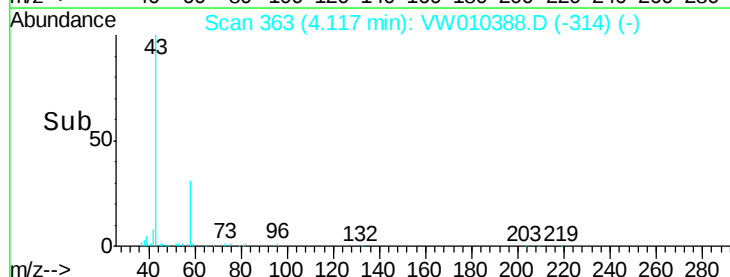
15000

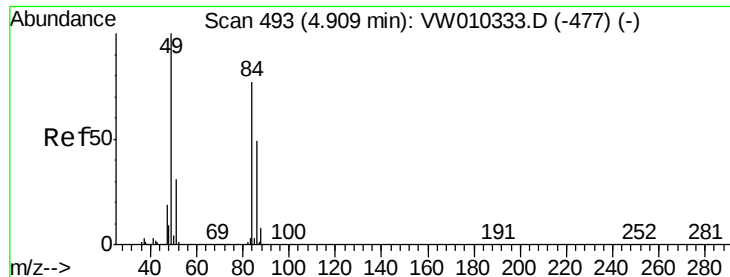
10000

5000

0

Time-->

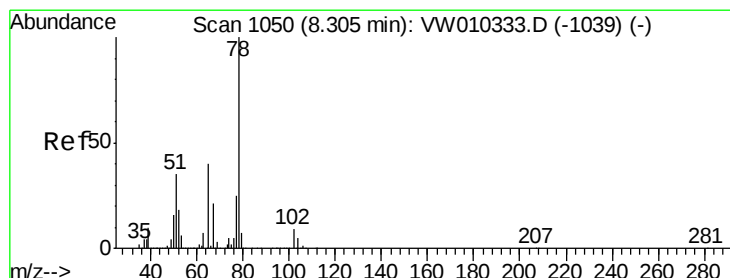
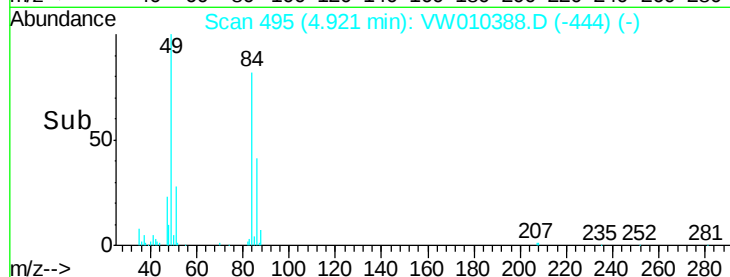
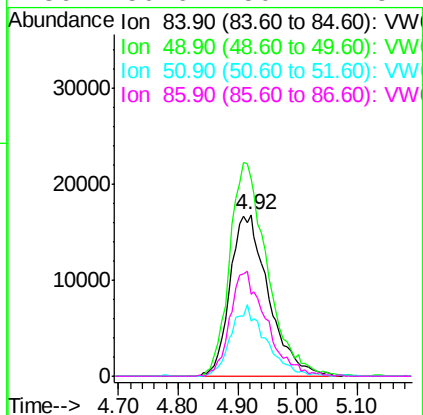
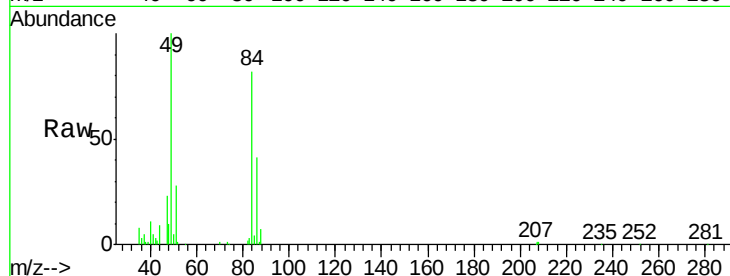




#20  
Methylene Chloride  
Concen: 9.757 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW010388.D  
Acq: 11 May 2019 18:31

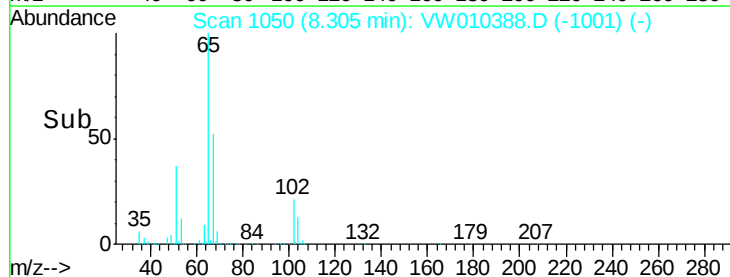
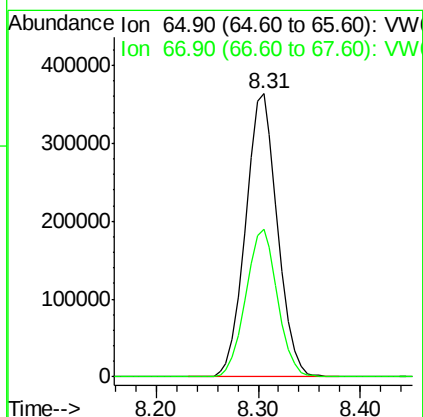
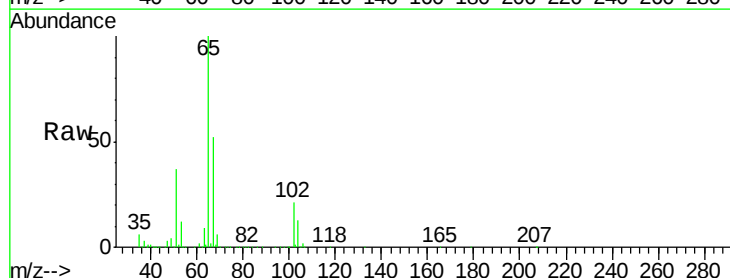
Instrument :  
MSVOA\_W  
ClientSampleId :  
P026-SS010-1824-01

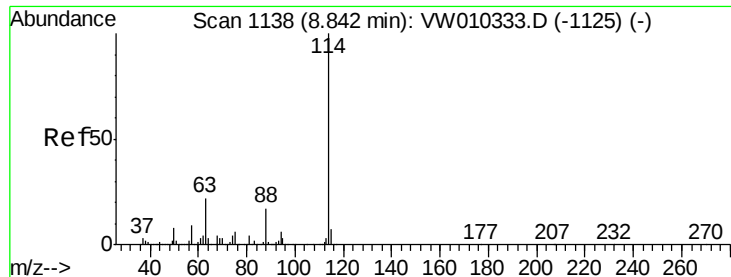
| Tot Ion | 84    | Resp  | 75361 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 84      | 100   |       |       |
| 49      | 122.2 | 112.3 | 168.5 |
| 51      | 33.6  | 33.9  | 50.9# |
| 86      | 50.6  | 50.2  | 75.4  |



#33  
1,2-Dichloroethane-d4  
Concen: 111.226 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VW010388.D  
Acq: 11 May 2019 18:31

| Tgt Ion | 65    | Resp  | 790076 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 65      | 100   |       |        |
| 67      | 52.0  | 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: VW010388.D

Acq: 11 May 2019 18:31

Instrument :

MSVOA\_W

ClientSampleId :

P026-SS010-1824-01

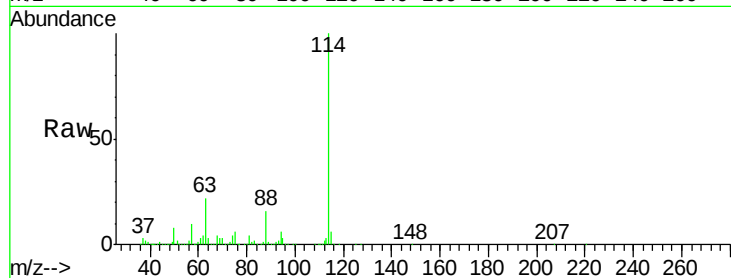
Tot Ion:114 Resp: 1188631

Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.2

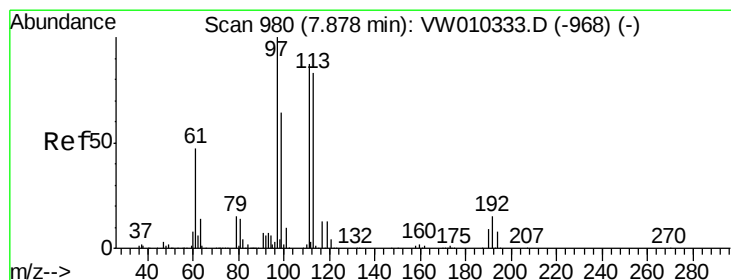
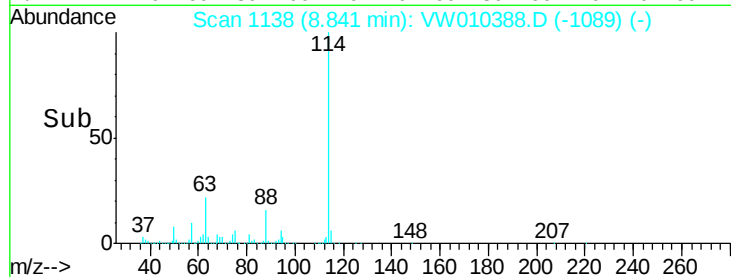
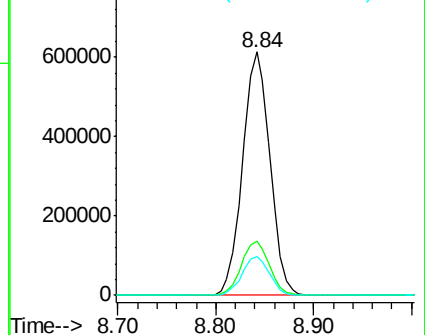
88 16.1 0.0 32.6



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: 88.571 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010388.D

Acq: 11 May 2019 18:31

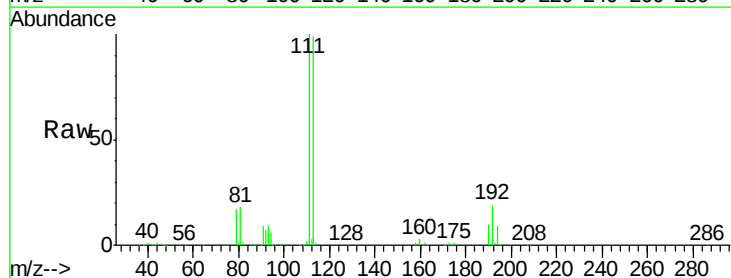
Tgt Ion:113 Resp: 616074

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

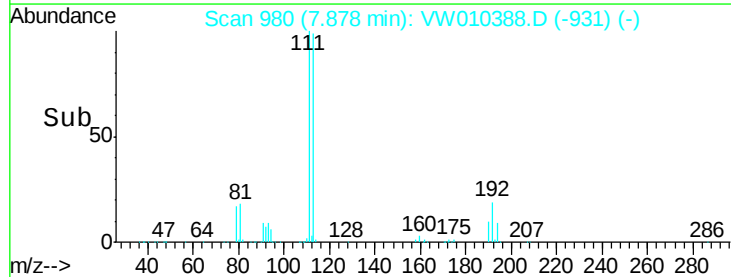
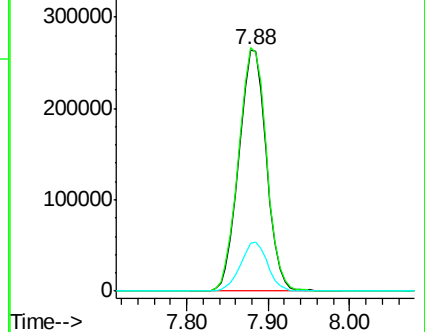
192 19.8 15.4 23.2

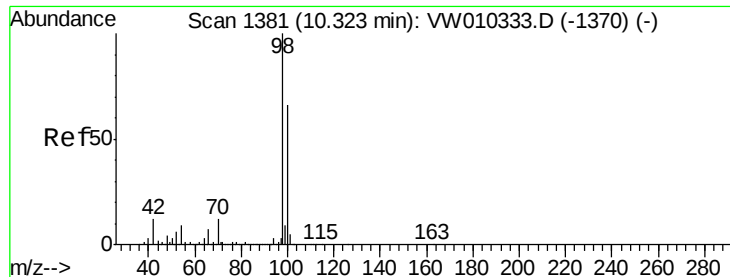


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 26.945 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010388.D

Acq: 11 May 2019 18:31

Instrument :

MSVOA\_W

ClientSampleId :

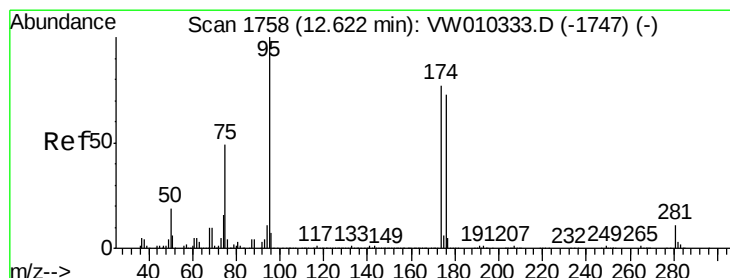
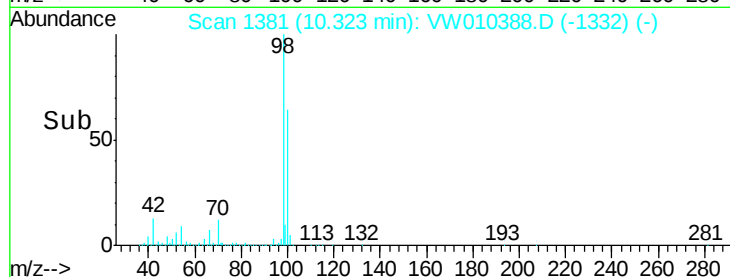
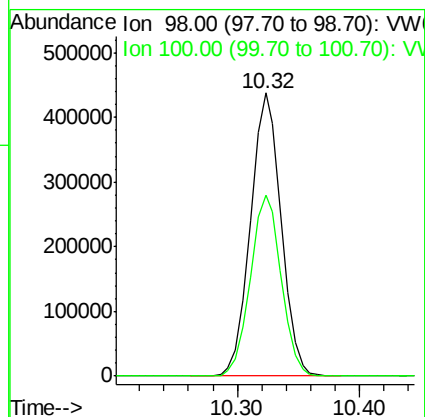
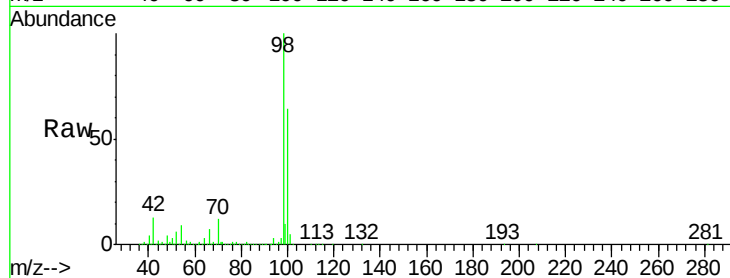
P026-SS010-1824-01

Tot Ion: 98 Resp: 763197

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 25.927 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010388.D

Acq: 11 May 2019 18:31

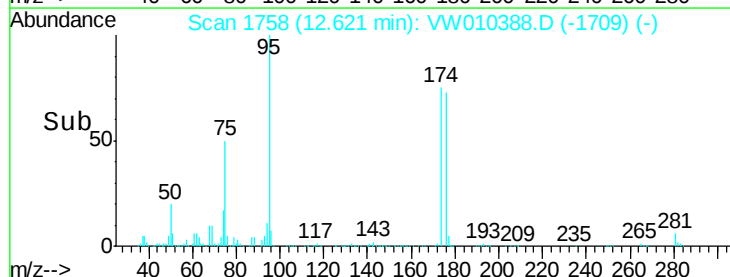
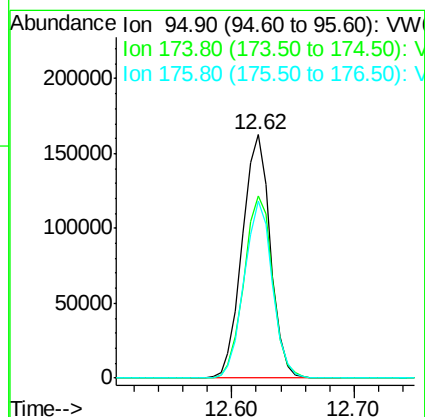
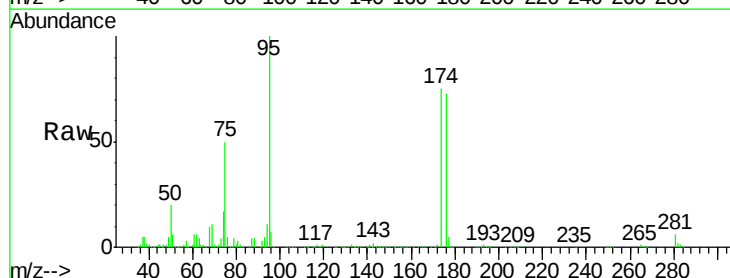
Tgt Ion: 95 Resp: 258501

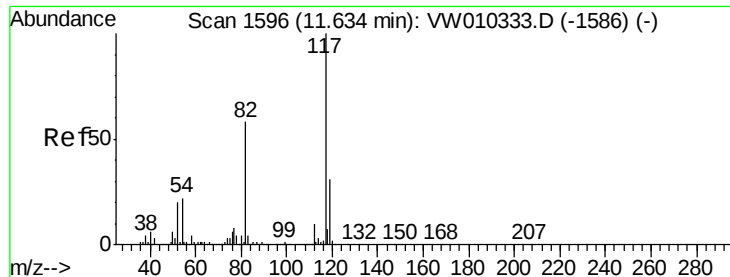
Ion Ratio Lower Upper

95 100

174 76.9 0.0 151.4

176 73.3 0.0 146.2

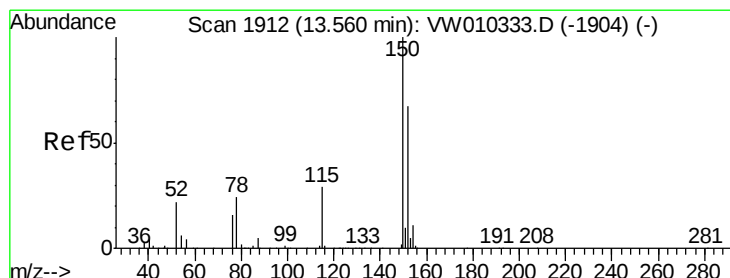
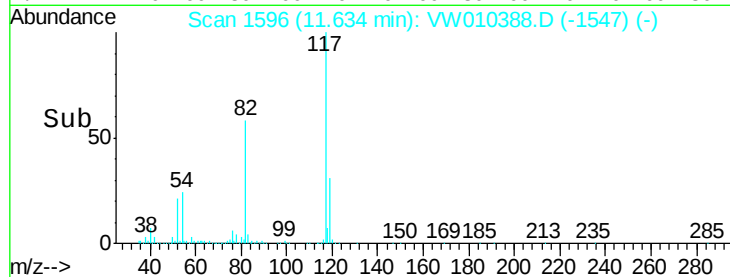
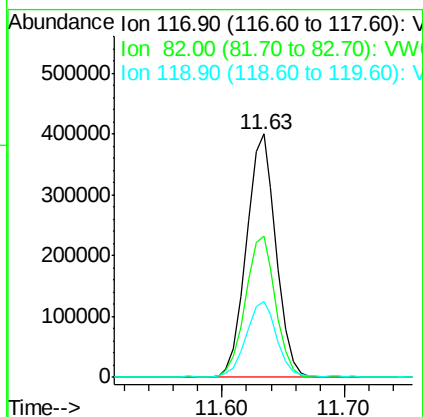
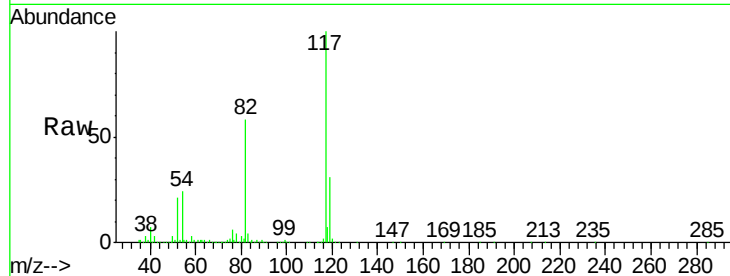




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010388.D  
Acq: 11 May 2019 18:31

Instrument :  
MSVOA\_W  
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P026-SS010-1824-01

Tot Ion:117 Resp: 671515  
Ion Ratio Lower Upper  
117 100  
82 57.8 45.2 67.8  
119 30.9 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: VW010388.D  
Acq: 11 May 2019 18:31

Tgt Ion:152 Resp: 169716  
Ion Ratio Lower Upper  
152 100  
115 61.3 30.4 91.2  
150 161.1 0.0 347.0

