

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051019\  
 Data File : VW010357.D  
 Acq On : 10 May 2019 15:40  
 Operator : SY/VA  
 Sample : K2717-06  
 Misc : 3.34G/5ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P026-SS002-0002-01

Quant Time: May 10 23:57:54 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

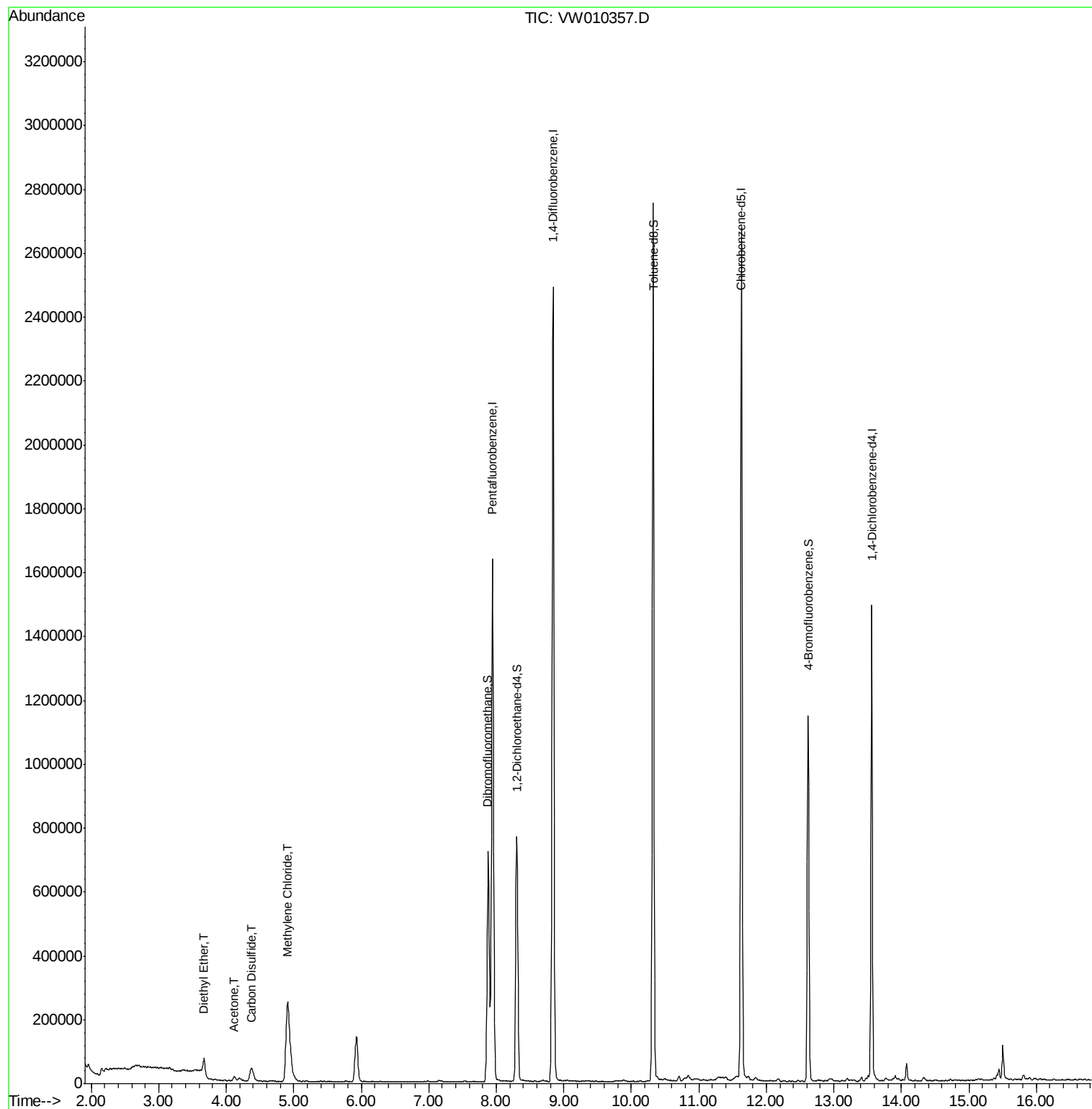
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 1176422  | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84   | 114  | 2006167  | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.63  | 117  | 1442423  | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56  | 152  | 370932   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65   | 608842   | 48.68  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 97.36% |          |
| 35) Dibromofluoromethane    | 7.88   | 113  | 521282   | 44.40  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 88.80% |          |
| 50) Toluene-d8              | 10.32  | 98   | 1747578  | 36.56  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 73.12% |          |
| 62) 4-Bromofluorobenzene    | 12.62  | 95   | 373786   | 22.21  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 44.42% |          |
| Target Compounds            |        |      |          |        |        |          |
| 8) Diethyl Ether            | 3.67   | 74   | 29707    | 4.510  | ug/l   | 98       |
| 16) Acetone                 | 4.12   | 43   | 25804    | 7.914  | ug/l   | 94       |
| 17) Carbon Disulfide        | 4.37   | 76   | 99936    | 2.576  | ug/l   | 97       |
| 20) Methylene Chloride      | 4.92   | 84   | 252473   | 18.565 | ug/l   | 94       |

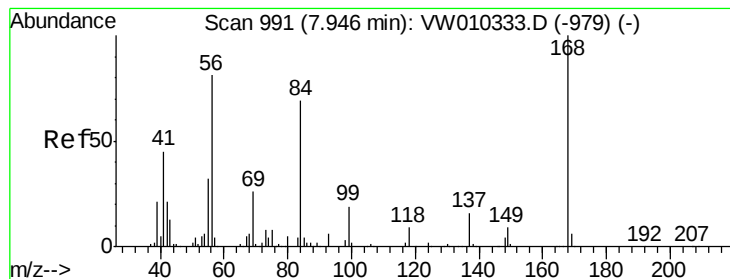
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051019\  
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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: VW010357.D

Acq: 10 May 2019 15:40

Instrument :

MSVOA\_W

ClientSampleId :

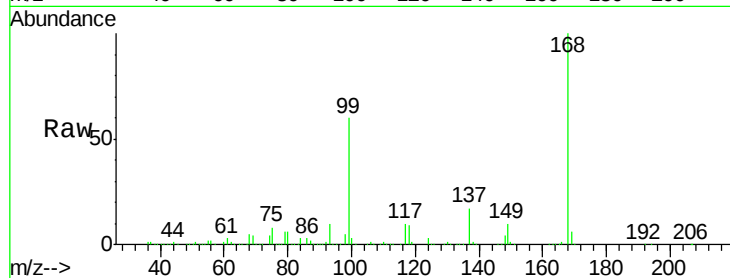
P026-SS002-0002-01

Tot Ion:168 Resp: 1176422

Ion Ratio Lower Upper

168 100

99 60.3 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

600000

500000

400000

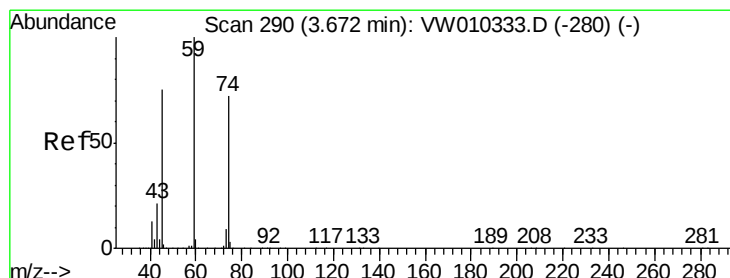
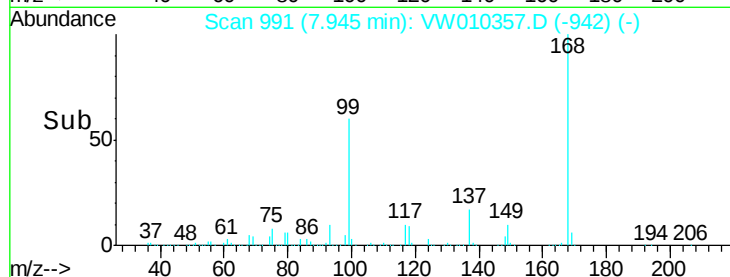
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 4.510 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW010357.D

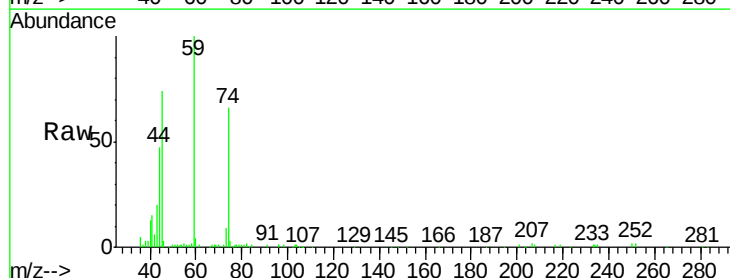
Acq: 10 May 2019 15:40

Tgt Ion: 74 Resp: 29707

Ion Ratio Lower Upper

74 100

45 113.8 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

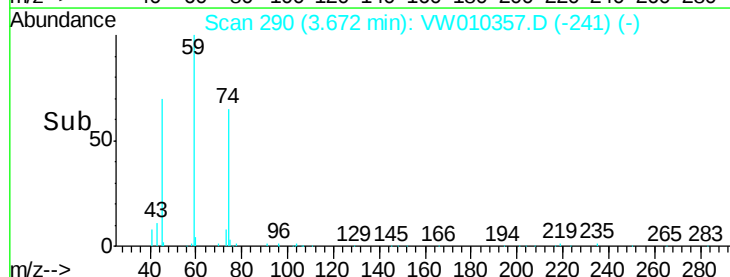
15000

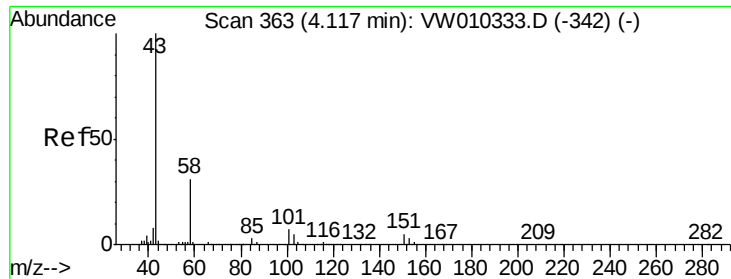
10000

5000

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: 7.914 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010357.D

Acq: 10 May 2019 15:40

Instrument :

MSVOA\_W

ClientSampleId :

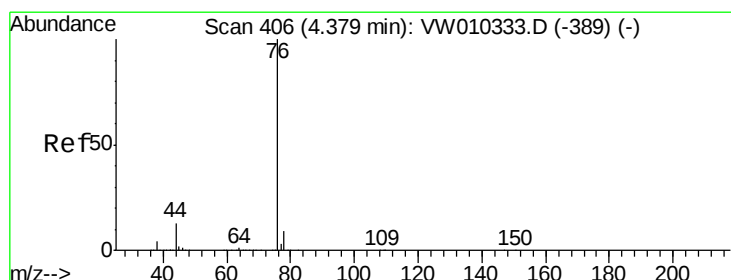
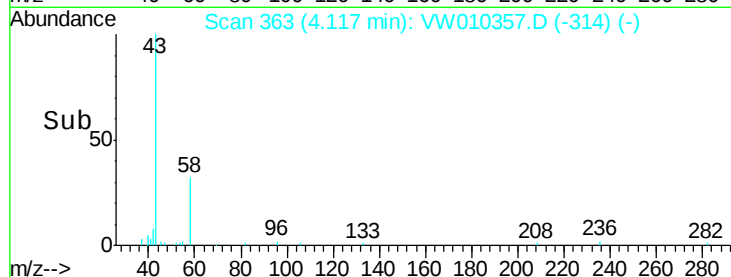
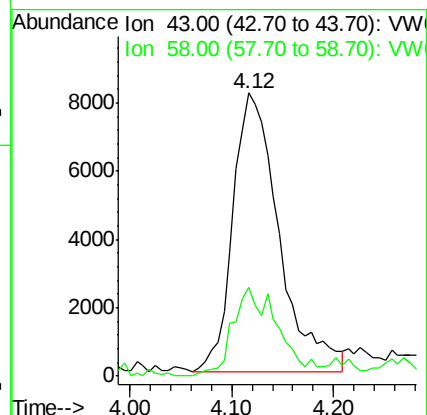
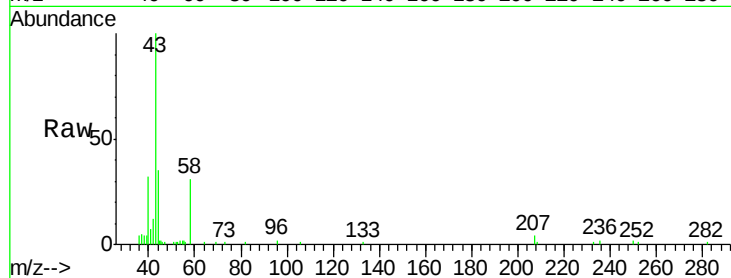
P026-SS002-0002-01

Tot Ion: 43 Resp: 25804

Ion Ratio Lower Upper

43 100

58 31.7 22.7 34.1



#17

Carbon Disulfide

Concen: 2.576 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010357.D

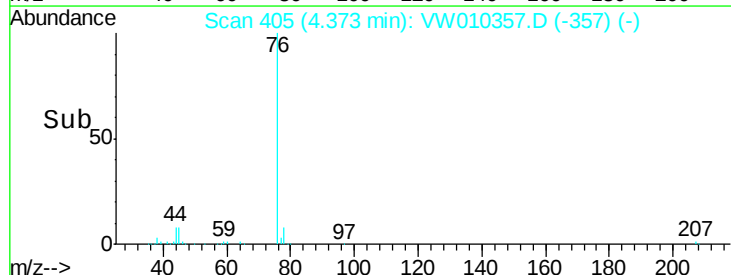
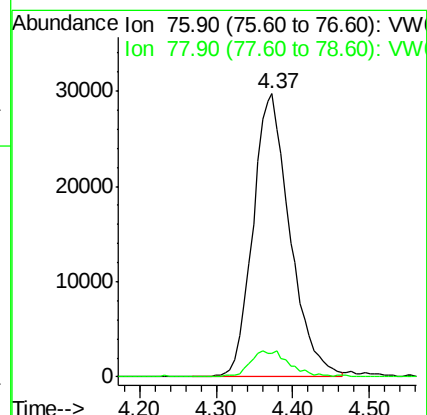
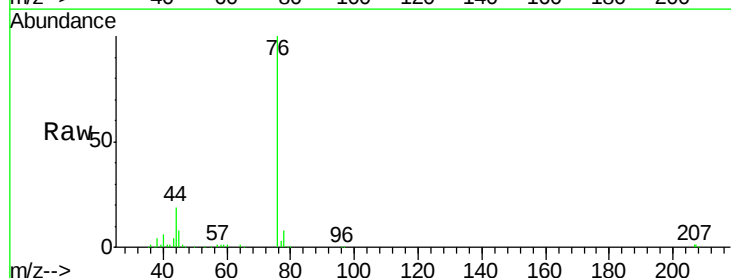
Acq: 10 May 2019 15:40

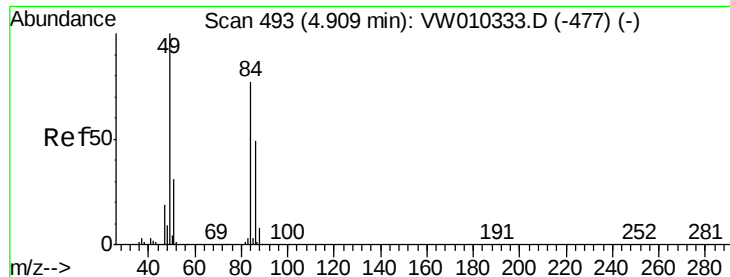
Tgt Ion: 76 Resp: 99936

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2

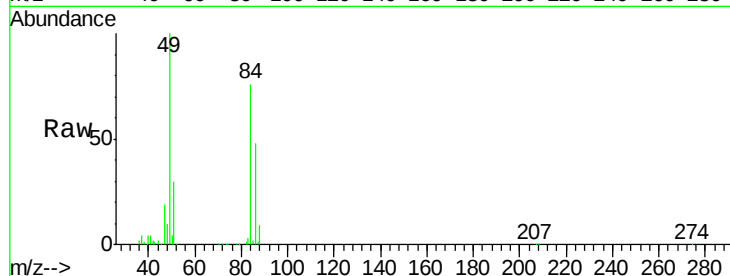




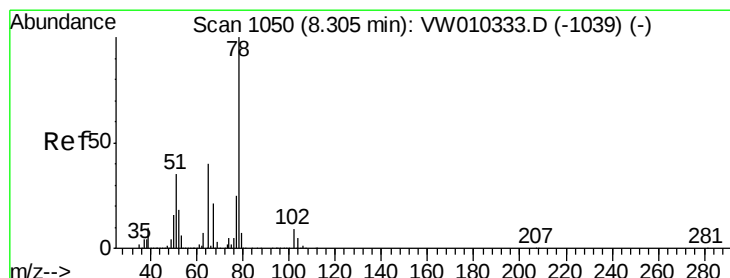
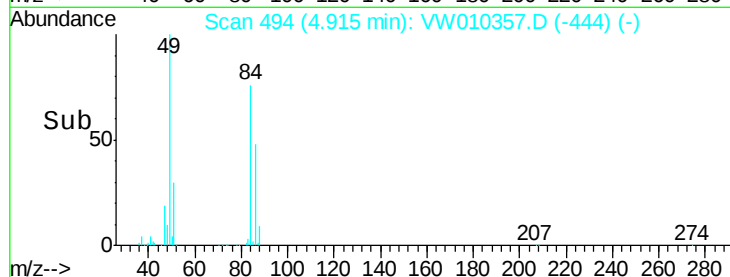
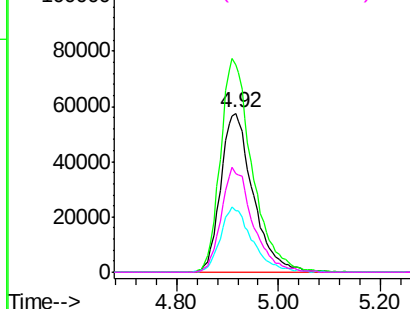
#20  
Methylene Chloride  
Concen: 18.565 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW010357.D  
Acq: 10 May 2019 15:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
P026-SS002-0002-01

Tot Ion: 84 Resp: 252473  
Ion Ratio Lower Upper  
84 100  
49 130.7 112.3 168.5  
51 38.6 33.9 50.9  
86 62.2 50.2 75.4

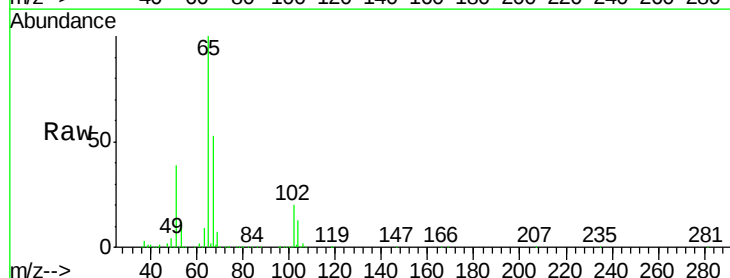


Abundance Ion 83.90 (83.60 to 84.60): VW  
Ion 48.90 (48.60 to 49.60): VW  
Ion 50.90 (50.60 to 51.60): VW  
Ion 85.90 (85.60 to 86.60): VW

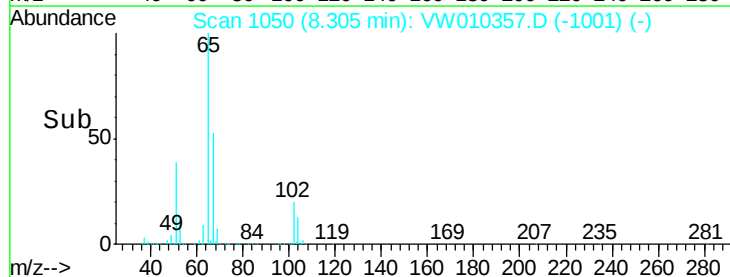
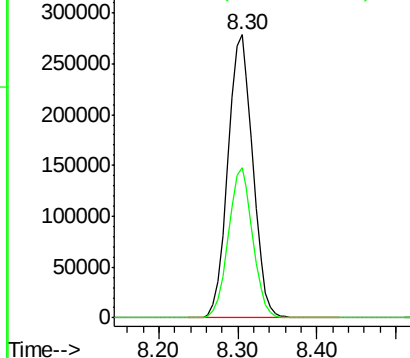


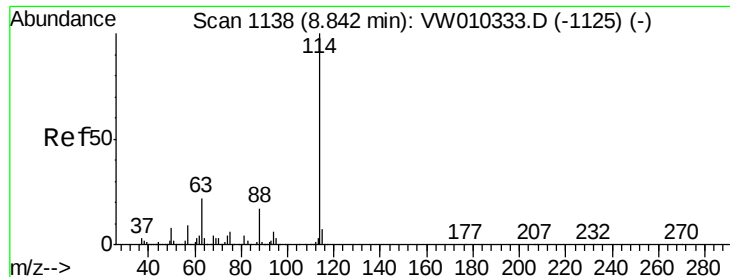
#33  
1,2-Dichloroethane-d4  
Concen: 48.680 ug/l  
RT: 8.30 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VW010357.D  
Acq: 10 May 2019 15:40

Tgt Ion: 65 Resp: 608842  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 100.8



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

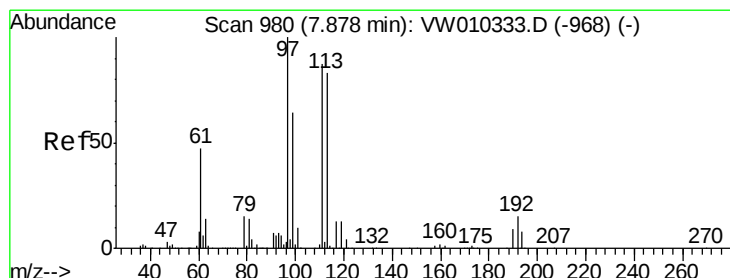
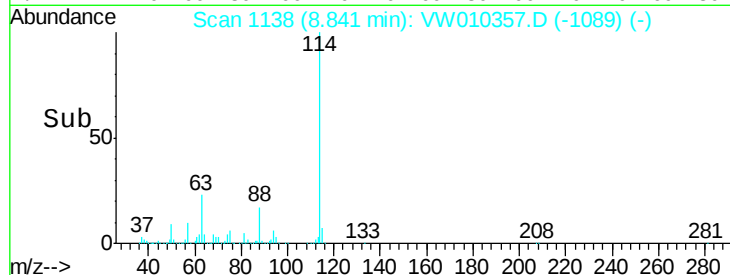
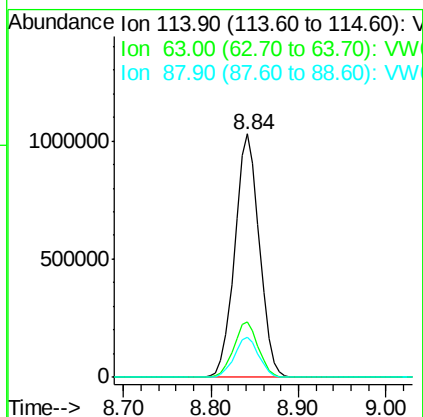
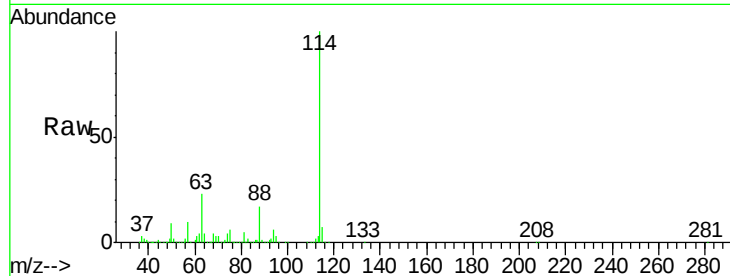




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010357.D  
 Acq: 10 May 2019 15:40

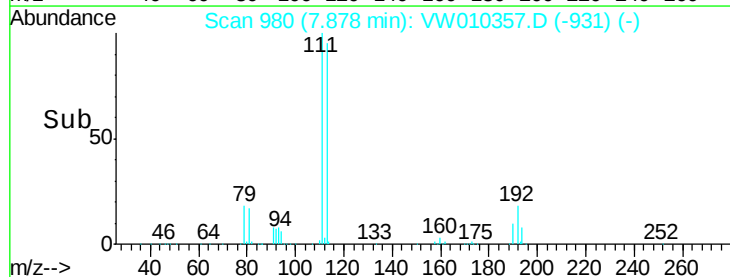
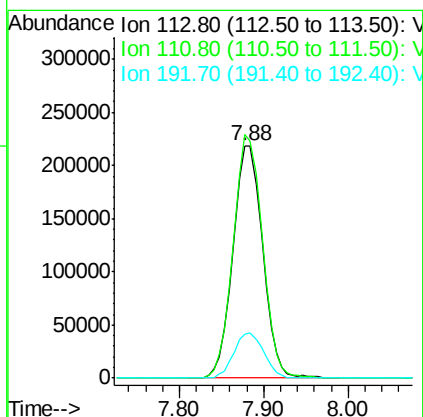
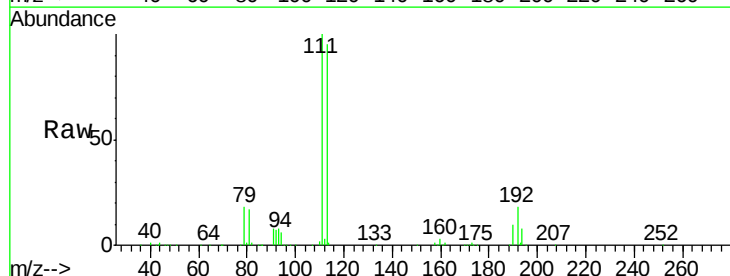
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P026-SS002-0002-01

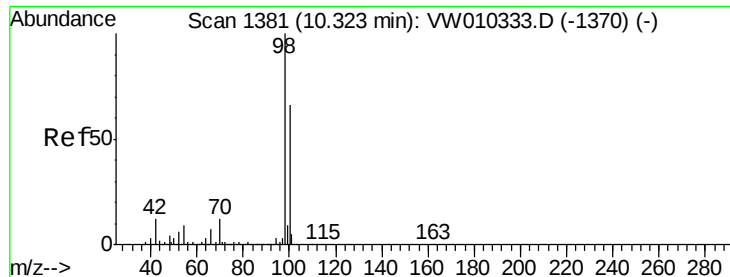
Tot Ion:114 Resp: 2006167  
 Ion Ratio Lower Upper  
 114 100  
 63 22.9 0.0 46.2  
 88 16.7 0.0 32.6



#35  
 Dibromofluoromethane  
 Concen: 44.403 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.00 min  
 Lab File: VW010357.D  
 Acq: 10 May 2019 15:40

Tgt Ion:113 Resp: 521282  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 82.6 123.8  
 192 19.6 15.4 23.2





#50

Toluene-d8

Concen: 36.557 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010357.D

Acq: 10 May 2019 15:40

Instrument :

MSVOA\_W

ClientSampleId :

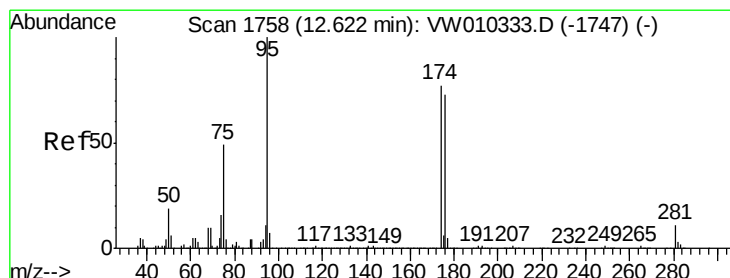
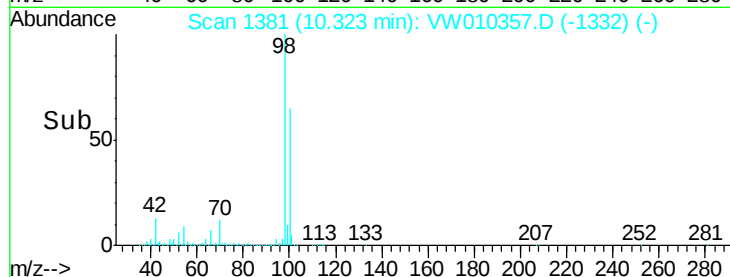
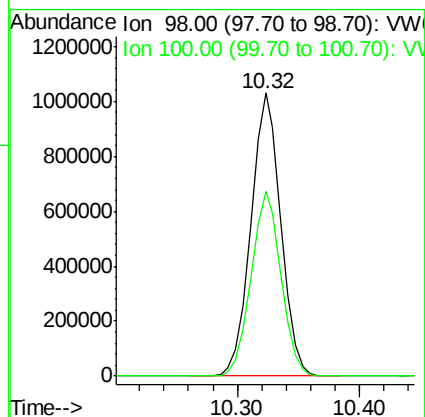
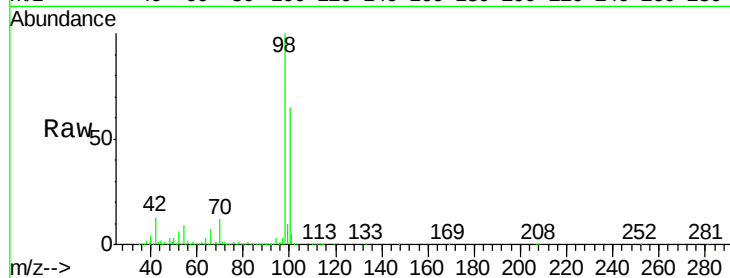
P026-SS002-0002-01

Tot Ion: 98 Resp: 1747578

Ion Ratio Lower Upper

98 100

100 65.5 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 22.213 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010357.D

Acq: 10 May 2019 15:40

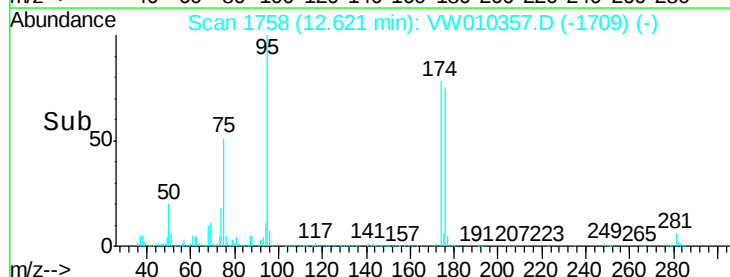
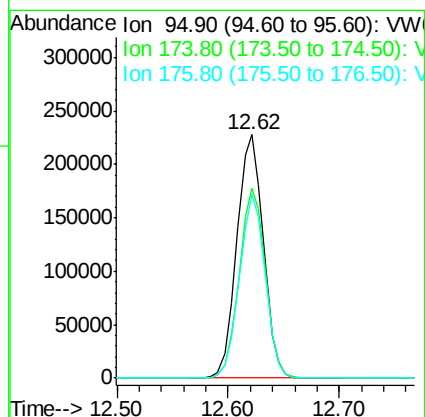
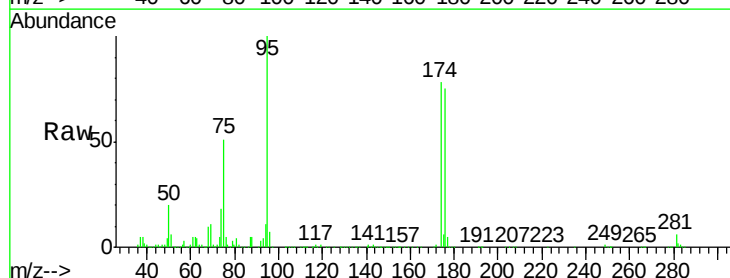
Tgt Ion: 95 Resp: 373786

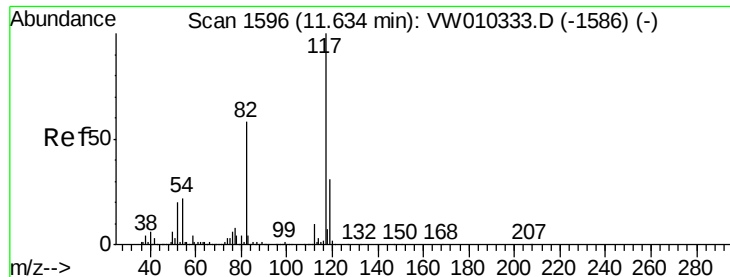
Ion Ratio Lower Upper

95 100

174 77.3 0.0 151.4

176 73.6 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: VW010357.D

Acq: 10 May 2019 15:40

Instrument :

MSVOA\_W

ClientSampleId :

P026-SS002-0002-01

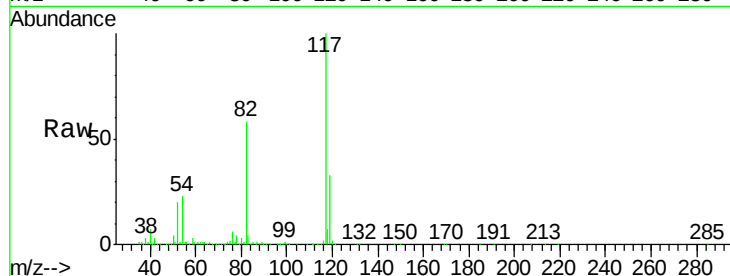
Tot Ion:117 Resp: 1442423

Ion Ratio Lower Upper

117 100

82 58.0 45.2 67.8

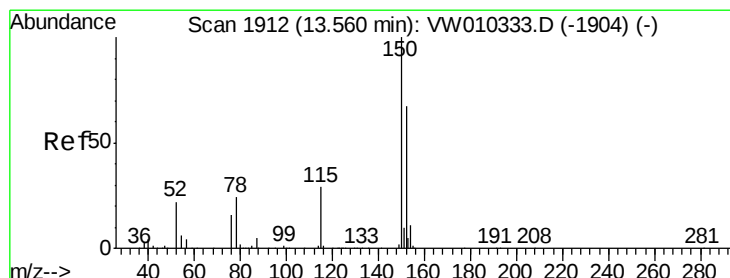
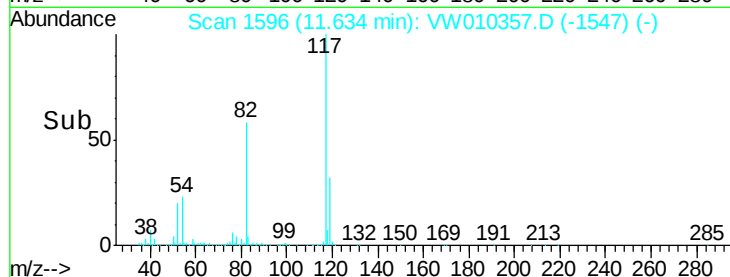
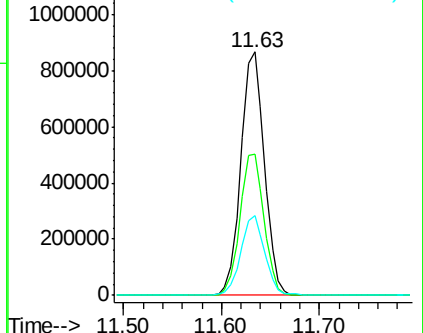
119 32.4 25.4 38.2



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: VW010357.D

Acq: 10 May 2019 15:40

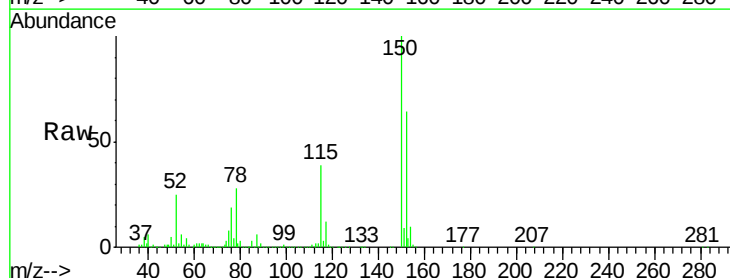
Tgt Ion:152 Resp: 370932

Ion Ratio Lower Upper

152 100

115 60.2 30.4 91.2

150 156.0 0.0 347.0



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

