

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040419\  
 Data File : VW009693.D  
 Acq On : 04 Apr 2019 13:44  
 Operator : SY/VA  
 Sample : K2179-14  
 Misc : 6.33G/5ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-8D2

Quant Time: Apr 04 17:37:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W032919S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 29 13:24:53 2019  
 Response via : Initial Calibration

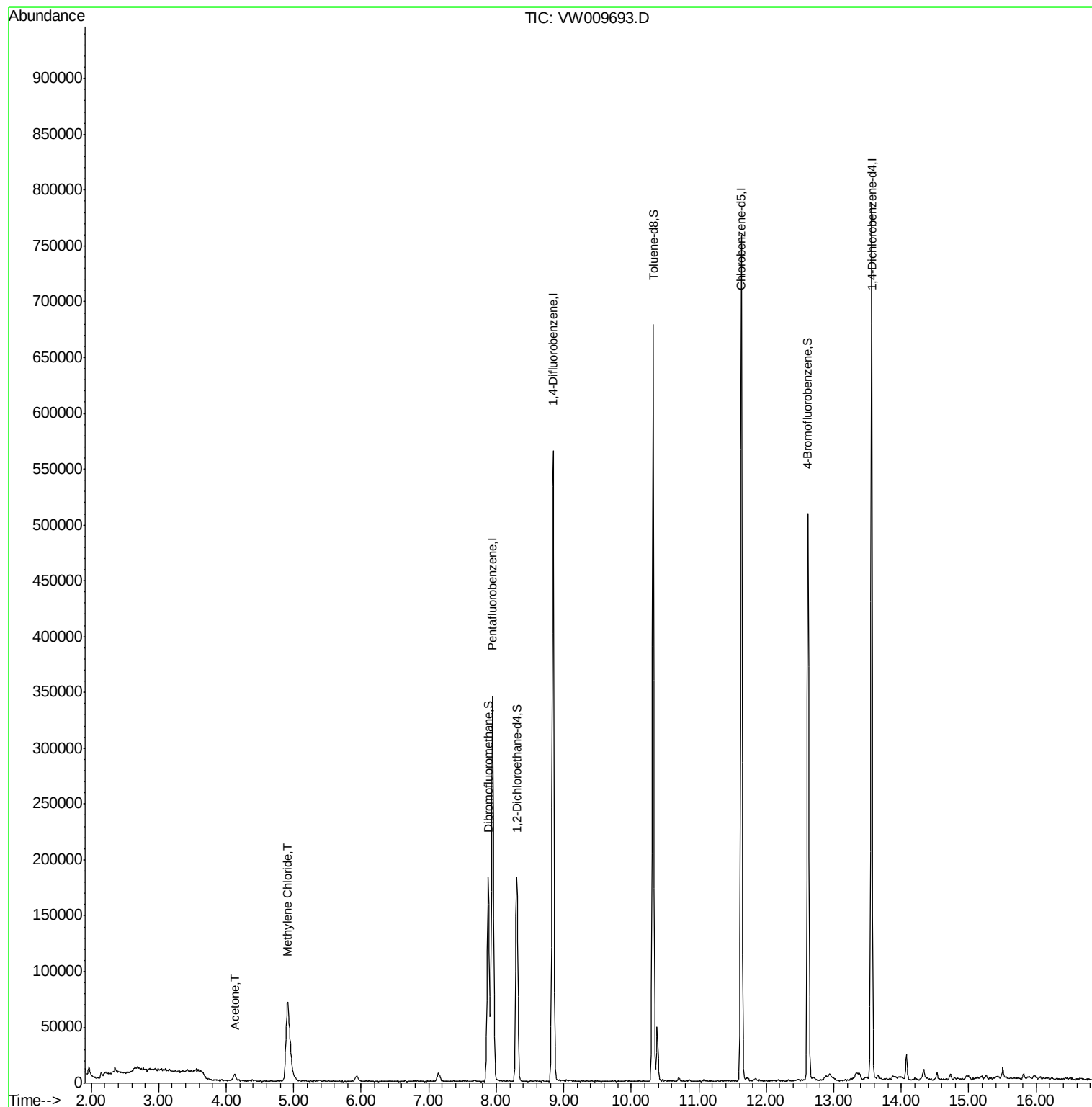
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 235740   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 436604   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 386668   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 182086   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 148161   | 54.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.92% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 128248   | 46.77  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.54%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 411464   | 40.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 81.20%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 149300   | 39.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 78.98%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 12377    | 20.421 | ug/l #  | 77       |
| 20) Methylene Chloride      | 4.91  | 84   | 66338    | 26.040 | ug/l    | 93       |

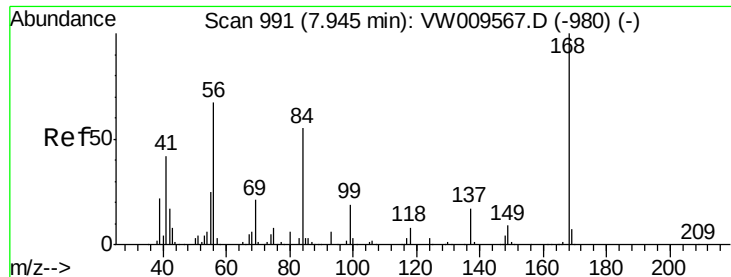
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampled :  
TP-8D2

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QLast Update : Fri Mar 29 13:24:53 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: VW009693.D

Acq: 04 Apr 2019 13:44

Instrument :

MSVOA\_W

ClientSampleId :

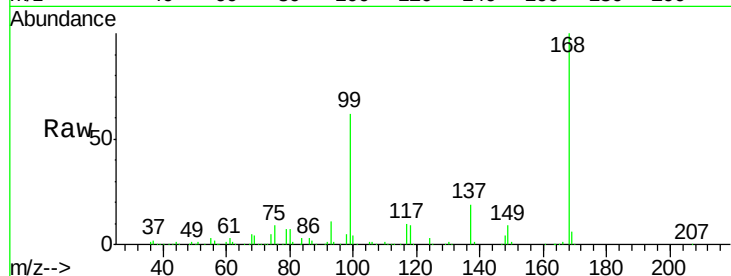
TP-8D2

Tot Ion:168 Resp: 235740

Ion Ratio Lower Upper

168 100

99 62.2 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

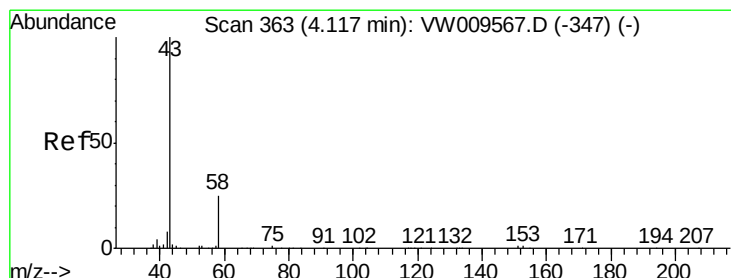
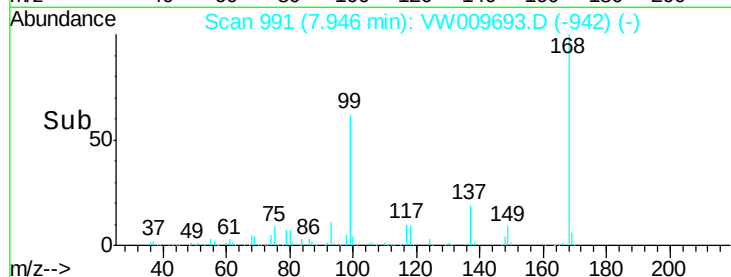
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 20.421 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW009693.D

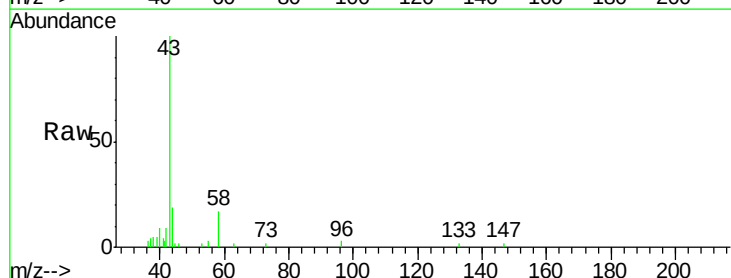
Acq: 04 Apr 2019 13:44

Tgt Ion: 43 Resp: 12377

Ion Ratio Lower Upper

43 100

58 16.9 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

4000

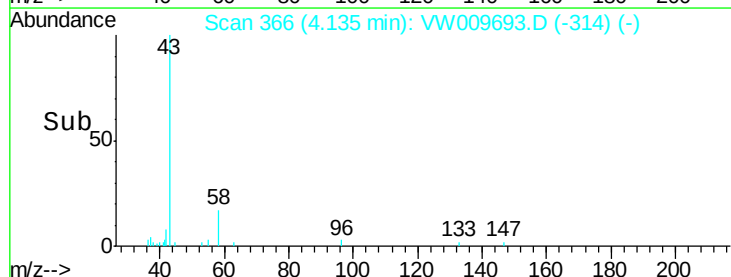
3000

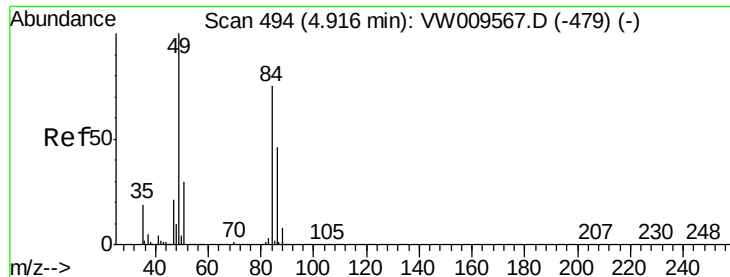
2000

1000

0

Time--> 4.00 4.10 4.20

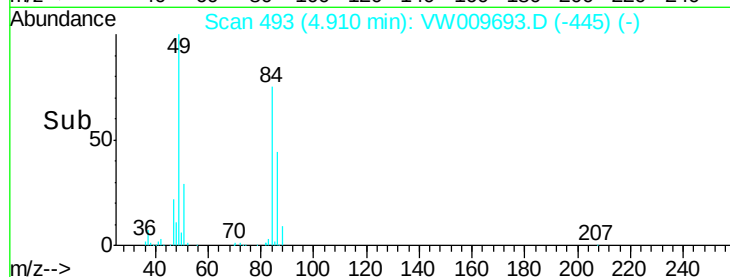
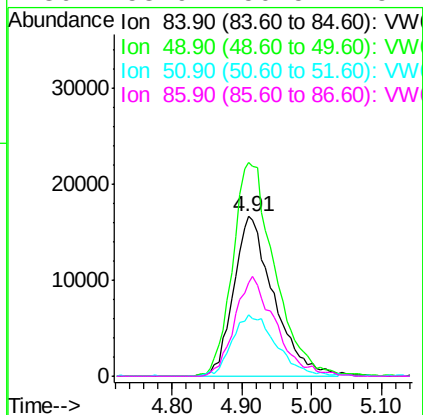
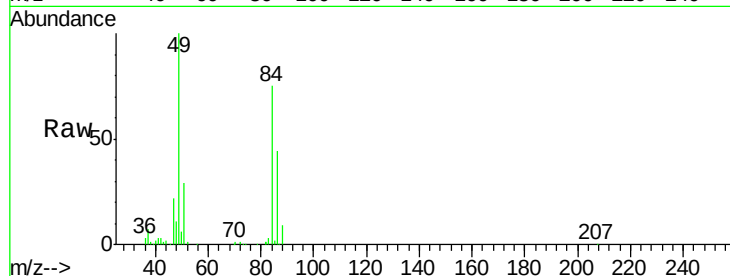




#20  
Methylene Chloride  
Concen: 26.040 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW009693.D  
Acq: 04 Apr 2019 13:44

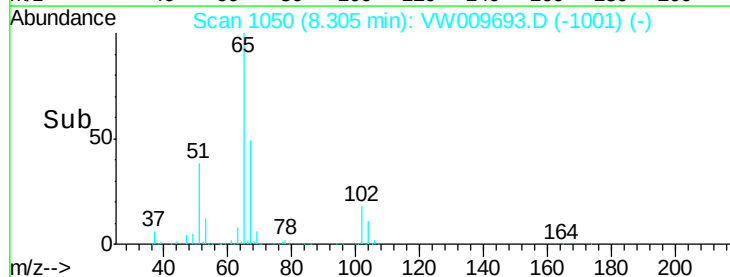
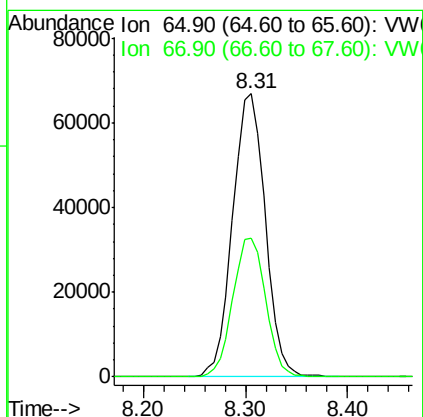
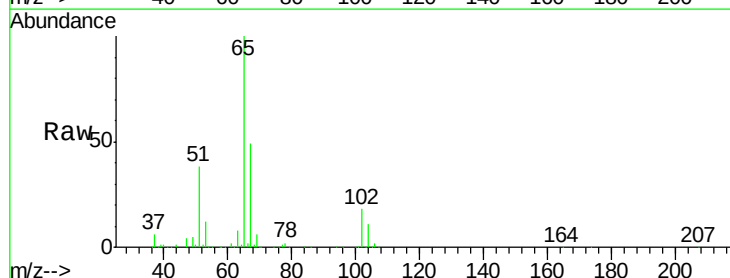
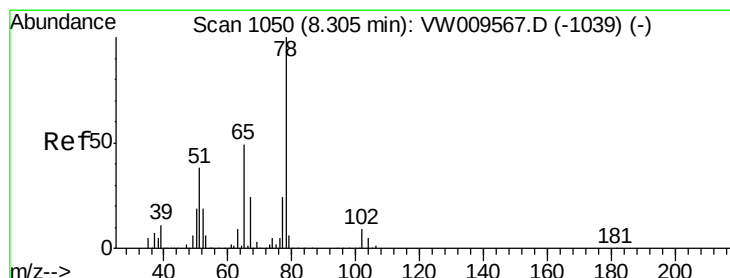
Instrument :  
MSVOA\_W  
ClientSampled :  
TP-8D2

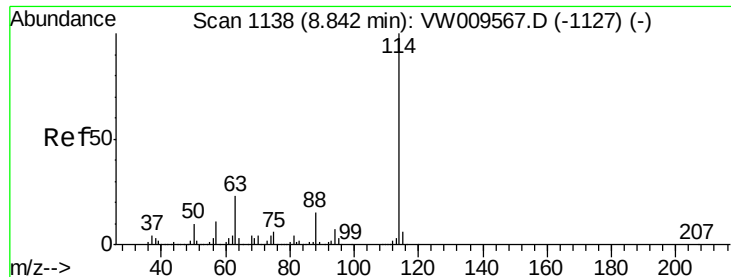
Tot Ion: 84 Resp: 66338  
Ion Ratio Lower Upper  
84 100  
49 133.5 99.1 148.7  
51 38.2 28.7 43.1  
86 58.9 50.5 75.7



#33  
1,2-Dichloroethane-d4  
Concen: 54.960 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VW009693.D  
Acq: 04 Apr 2019 13:44

Tgt Ion: 65 Resp: 148161  
Ion Ratio Lower Upper  
65 100  
67 49.7 0.0 102.4

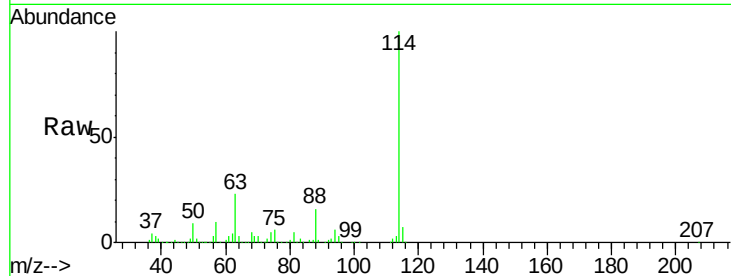




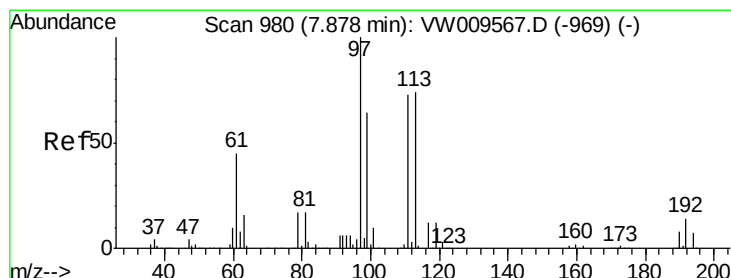
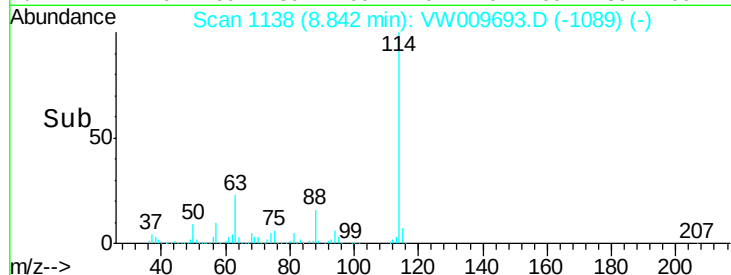
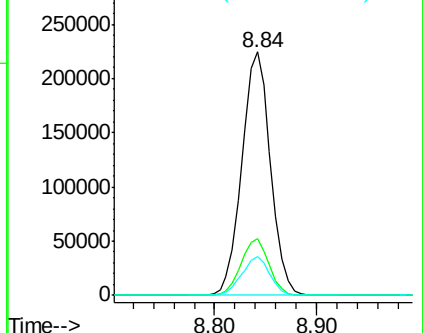
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW009693.D  
 Acq: 04 Apr 2019 13:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-8D2

Tot Ion:114 Resp: 436604  
 Ion Ratio Lower Upper  
 114 100  
 63 23.4 0.0 42.2  
 88 16.1 0.0 30.8

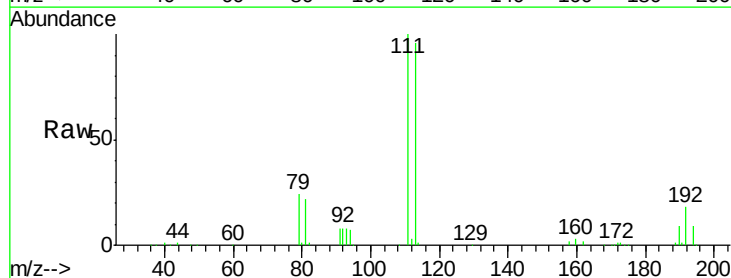


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VV  
 Ion 87.90 (87.60 to 88.60): VV

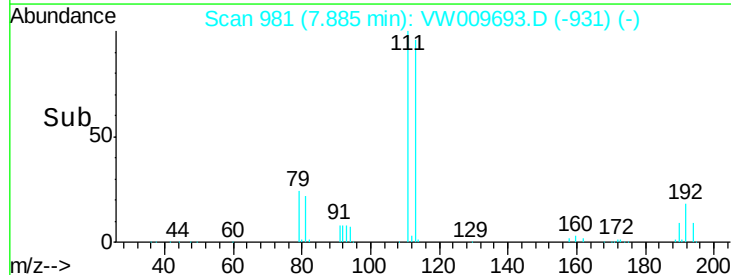
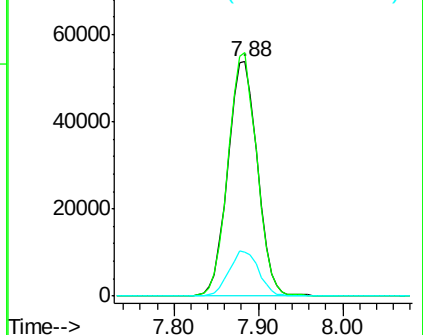


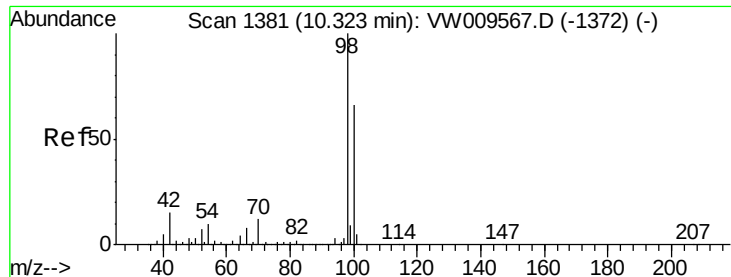
#35  
 Dibromofluoromethane  
 Concen: 46.768 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.01 min  
 Lab File: VW009693.D  
 Acq: 04 Apr 2019 13:44

Tgt Ion:113 Resp: 128248  
 Ion Ratio Lower Upper  
 113 100  
 111 100.7 82.6 124.0  
 192 19.4 16.4 24.6



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: 40.596 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009693.D

Acq: 04 Apr 2019 13:44

Instrument :

MSVOA\_W

ClientSampled :

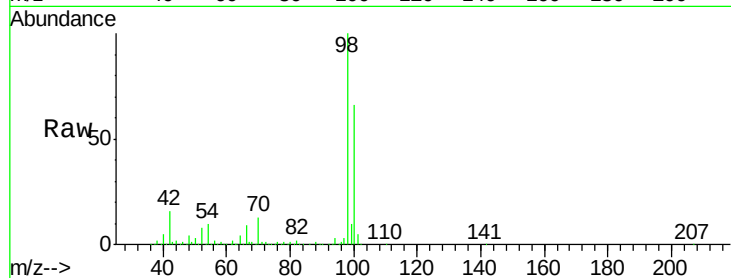
TP-8D2

Tot Ion: 98 Resp: 411464

Ion Ratio Lower Upper

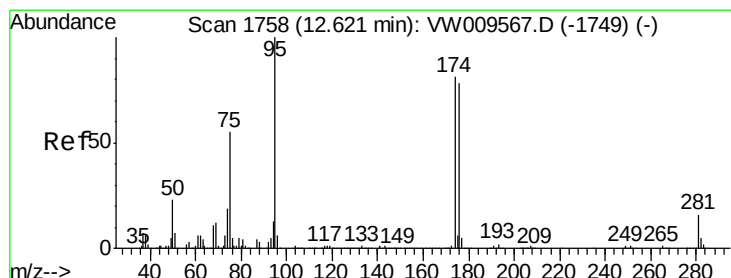
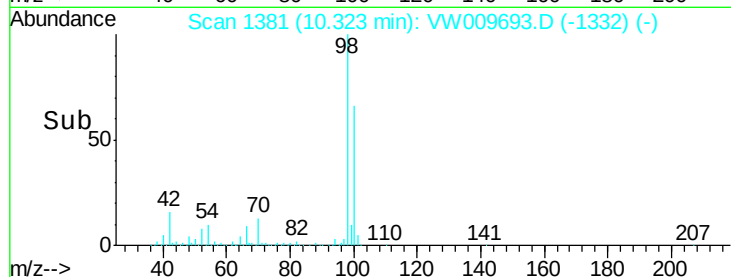
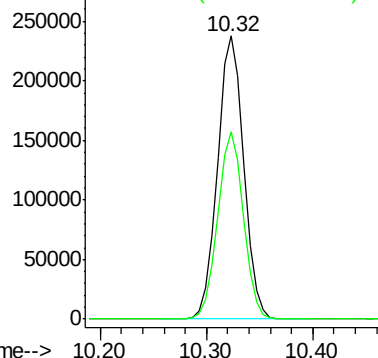
98 100

100 64.9 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 39.486 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009693.D

Acq: 04 Apr 2019 13:44

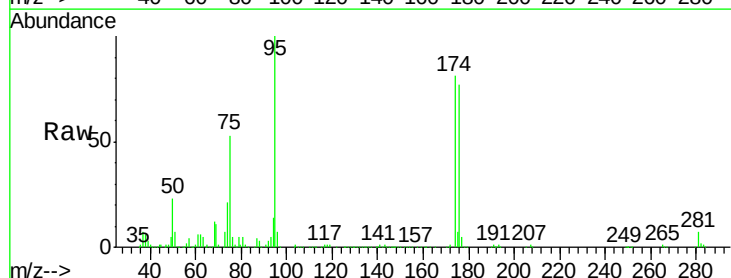
Tgt Ion: 95 Resp: 149300

Ion Ratio Lower Upper

95 100

174 79.2 0.0 168.4

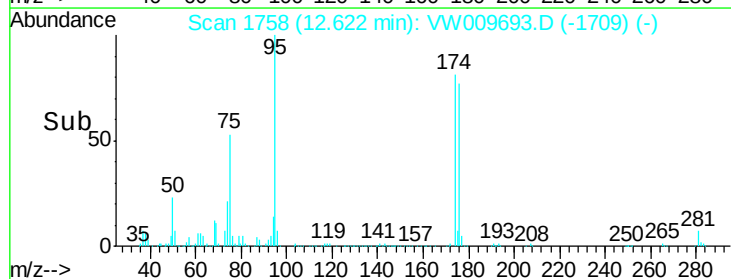
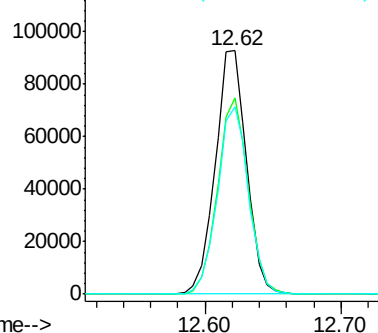
176 77.0 0.0 161.6

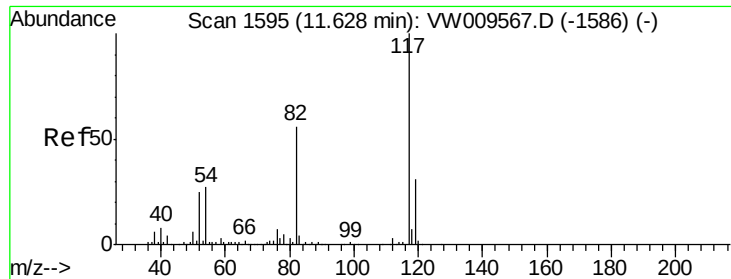


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

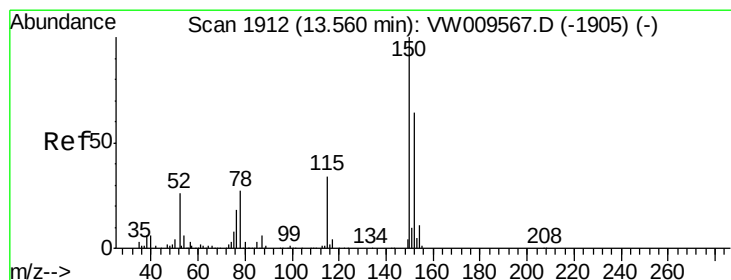
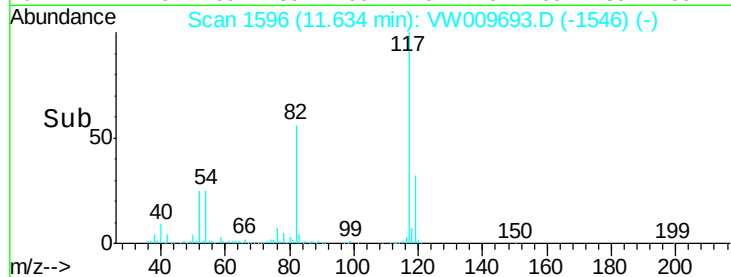
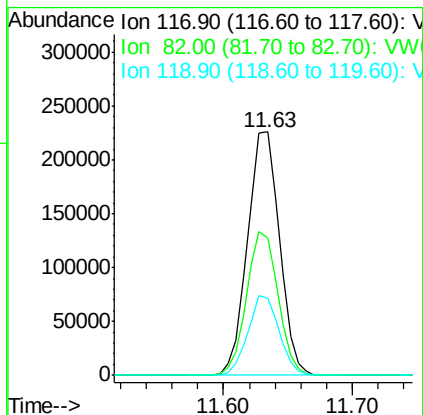
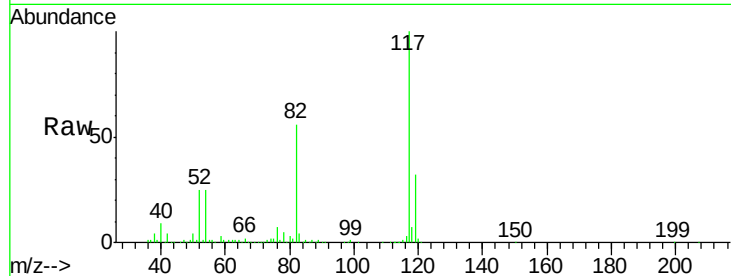




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VW009693.D  
Acq: 04 Apr 2019 13:44

Instrument :  
MSVOA\_W  
ClientSampled :  
TP-8D2

Tot Ion:117 Resp: 386668  
Ion Ratio Lower Upper  
117 100  
82 56.5 43.6 65.4  
119 31.8 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW009693.D  
Acq: 04 Apr 2019 13:44

Tgt Ion:152 Resp: 182086  
Ion Ratio Lower Upper  
152 100  
115 59.6 29.6 88.8  
150 157.7 0.0 349.2

