

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\  
 Data File : VW009270.D  
 Acq On : 20 Mar 2019 06:27  
 Operator : SY/VA  
 Sample : K1987-01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190143-COMPOSITE-B

Quant Time: Mar 20 09:09:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W031919S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 20 07:22:50 2019  
 Response via : Initial Calibration

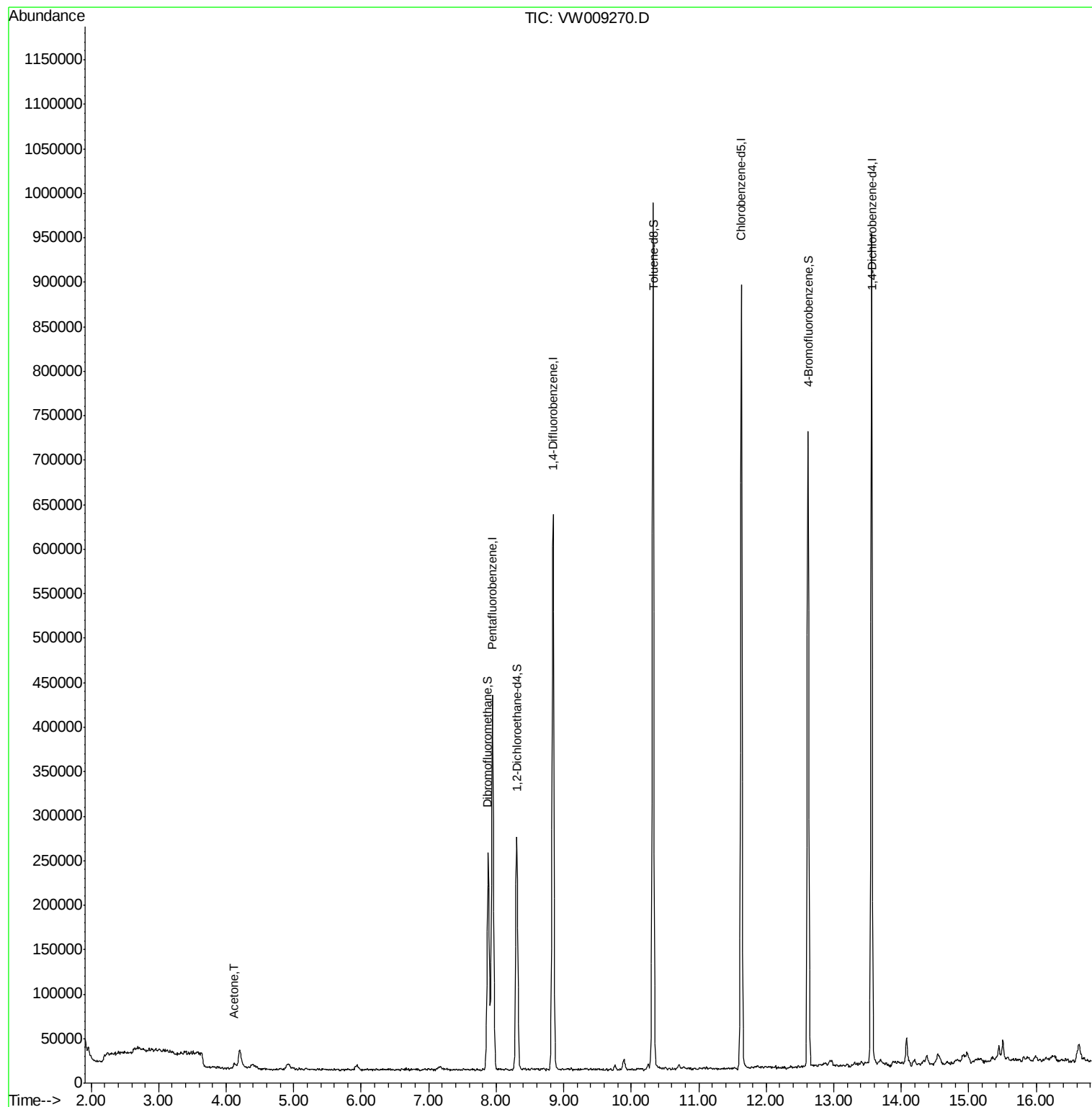
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 302457   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 492773   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 448549   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 222806   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 198180   | 61.60  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 123.20% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 164402   | 52.59  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.18% |           |
| 50) Toluene-d8              | 10.32 | 98   | 607309   | 53.46  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.92% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 217674   | 52.19  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.38% |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 4.12  | 43   | 11940    | 18.090 | ug/l    | Qvalue 97 |

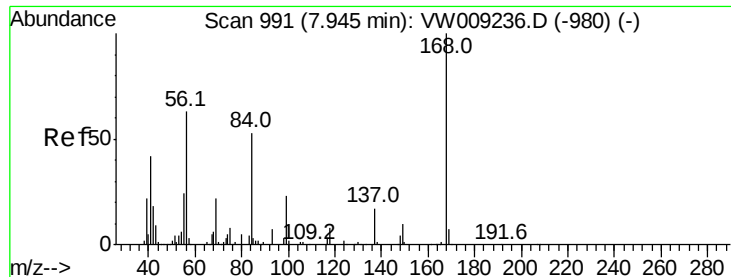
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W031919S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 20 07:22:50 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: VW009270.D

Acq: 20 Mar 2019 06:27

Instrument :

MSVOA\_W

ClientSampleId :

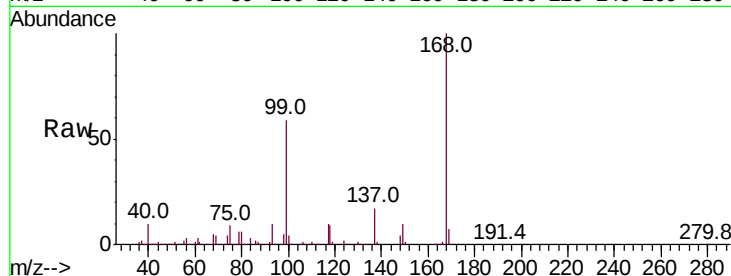
20190143-COMPOSITE-B

Tot Ion:168 Resp: 302457

Ion Ratio Lower Upper

168 100

99 59.2 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

150000

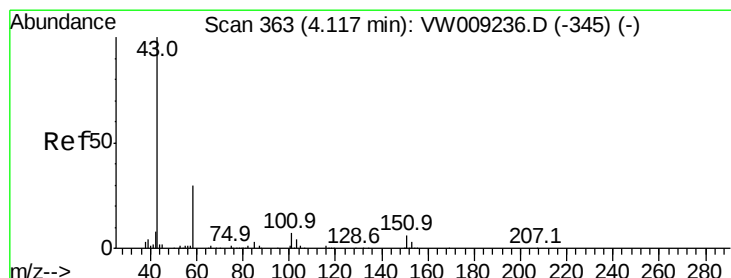
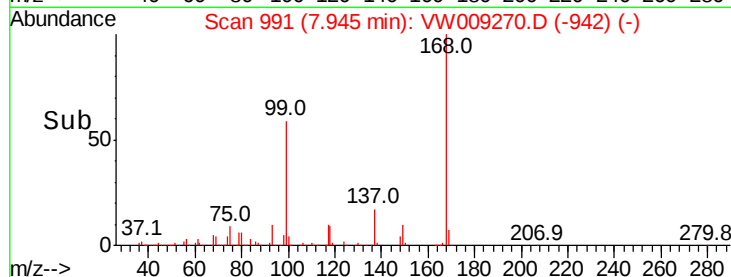
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 18.090 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009270.D

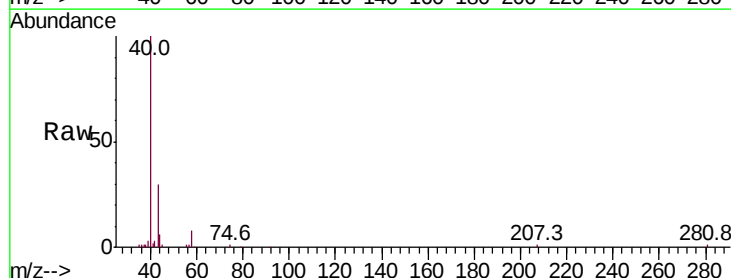
Acq: 20 Mar 2019 06:27

Tgt Ion: 43 Resp: 11940

Ion Ratio Lower Upper

43 100

58 27.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

4000

3000

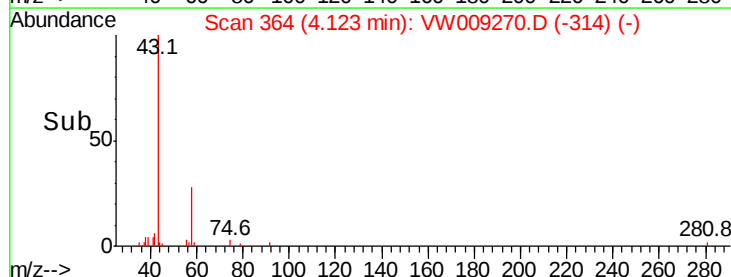
2000

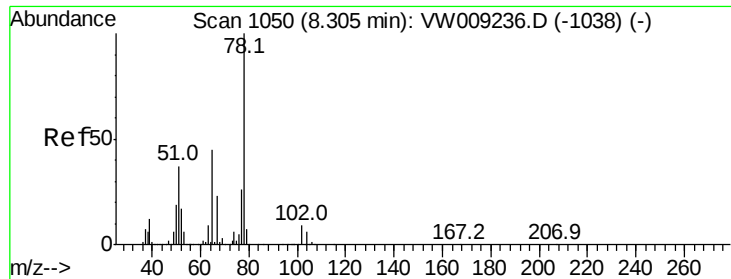
1000

0

4.00 4.10 4.20

Time-->

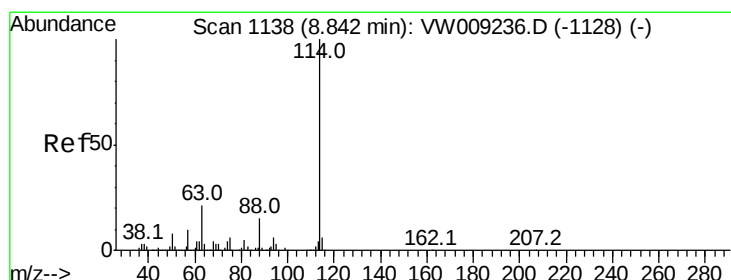
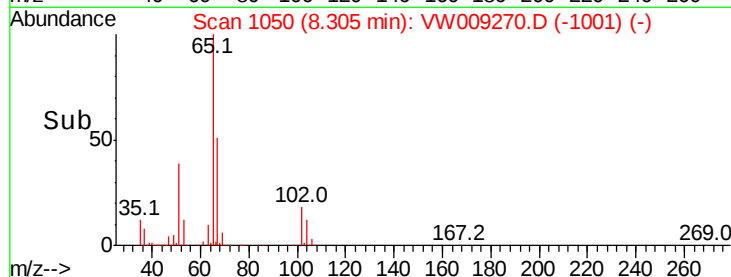
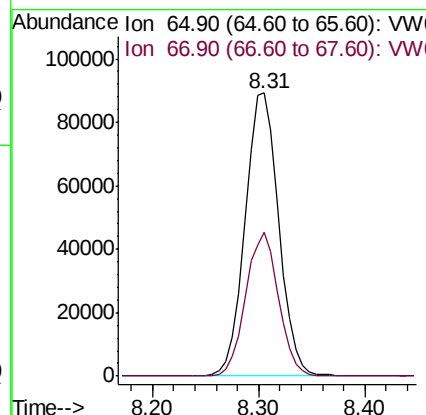
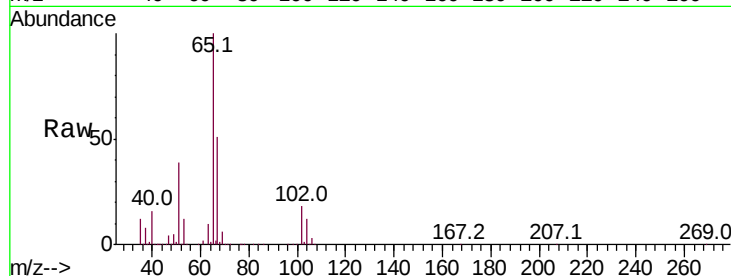




#33  
 1,2-Dichloroethane-d4  
 Concen: 61.601 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW009270.D  
 Acq: 20 Mar 2019 06:27

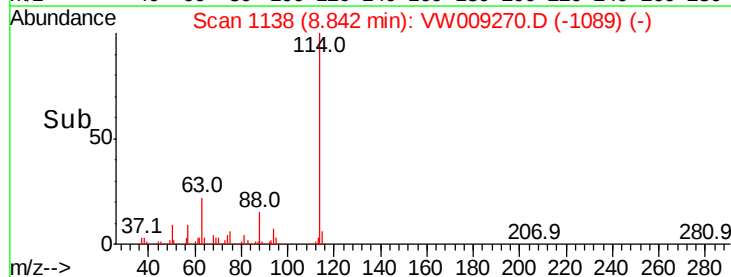
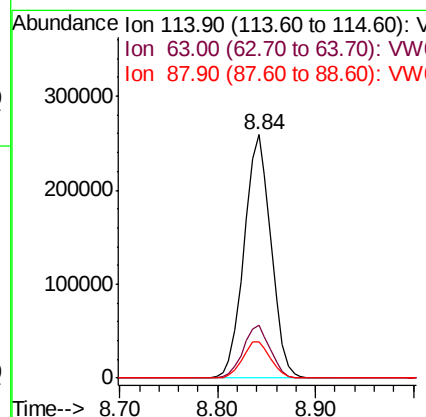
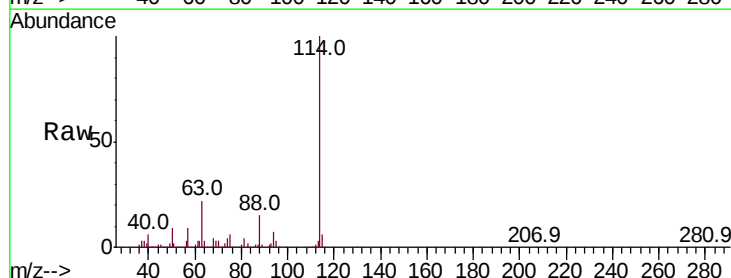
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190143-COMPOSITE-B

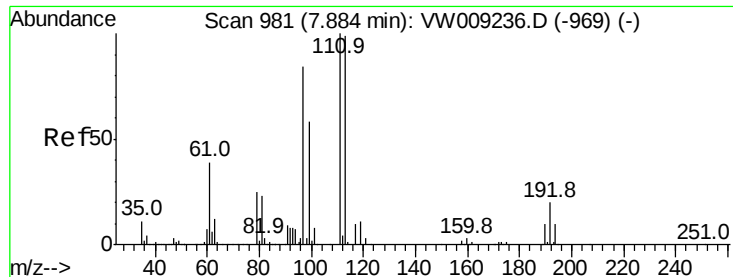
Tot Ion: 65 Resp: 198180  
 Ion Ratio Lower Upper  
 65 100  
 67 49.4 0.0 102.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW009270.D  
 Acq: 20 Mar 2019 06:27

Tgt Ion: 114 Resp: 492773  
 Ion Ratio Lower Upper  
 114 100  
 63 21.7 0.0 42.2  
 88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.594 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009270.D

Acq: 20 Mar 2019 06:27

Instrument :

MSVOA\_W

ClientSampleId :

20190143-COMPOSITE-B

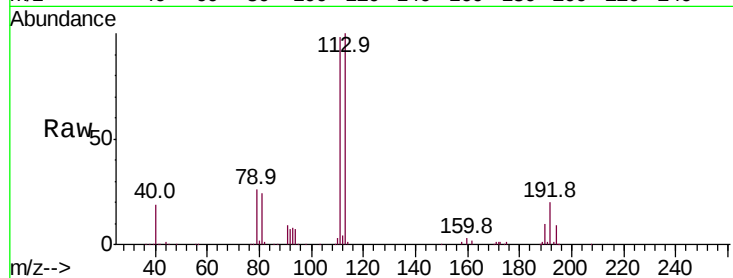
Tot Ion:113 Resp: 164402

Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

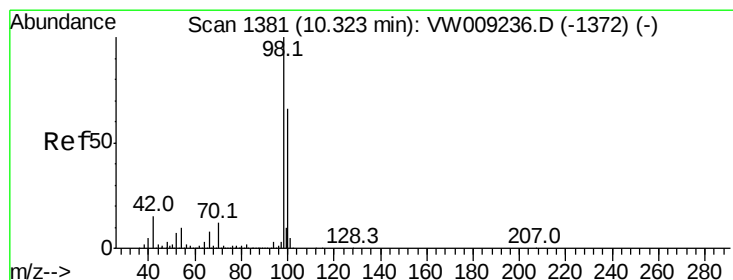
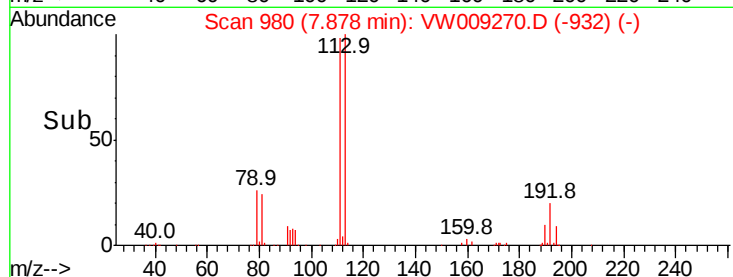
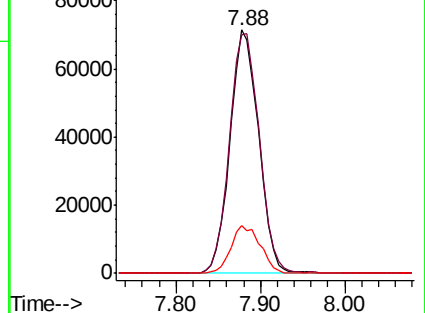
192 20.2 16.4 24.6



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: 53.462 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009270.D

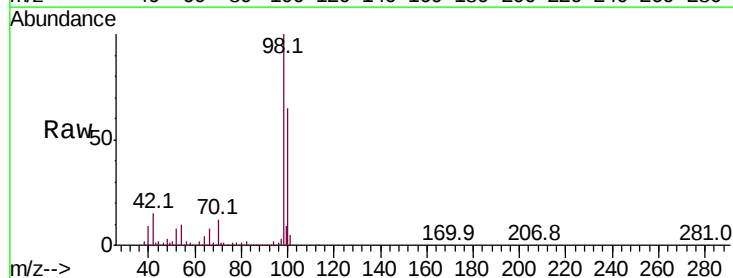
Acq: 20 Mar 2019 06:27

Tgt Ion: 98 Resp: 607309

Ion Ratio Lower Upper

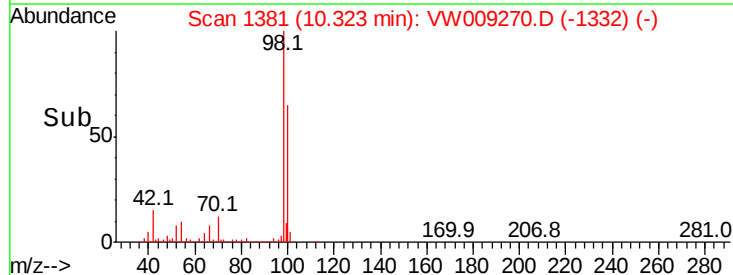
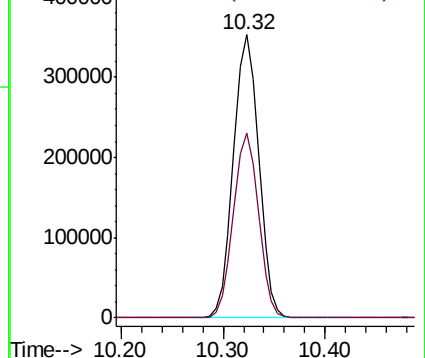
98 100

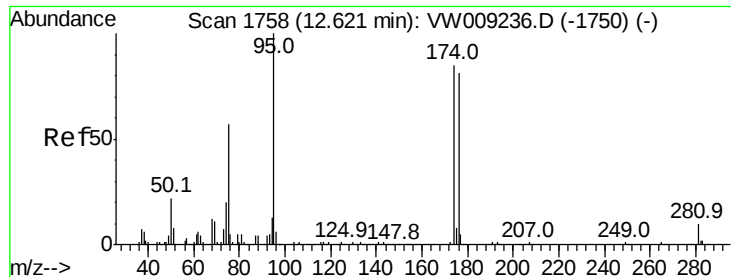
100 64.7 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

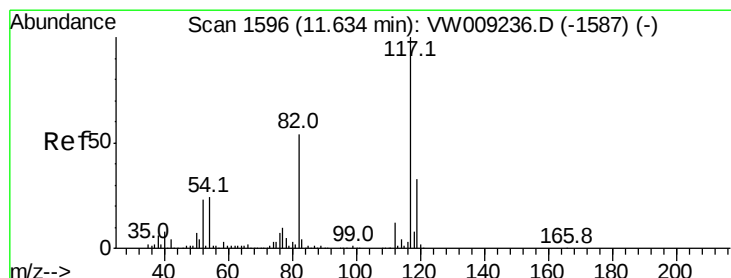
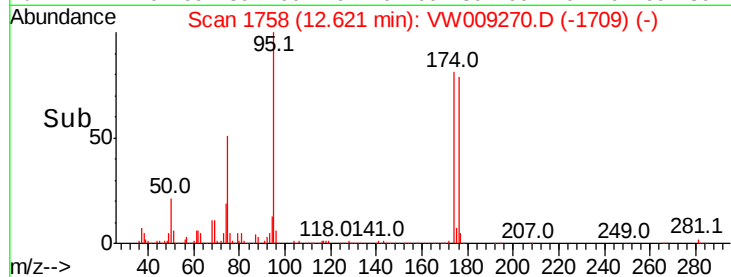
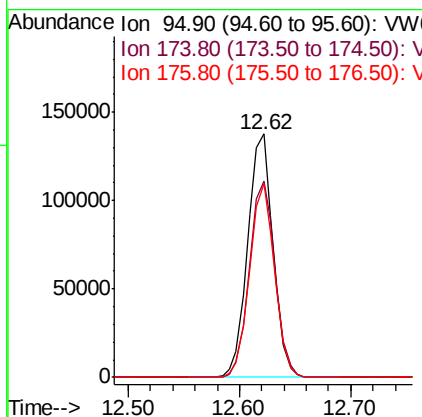
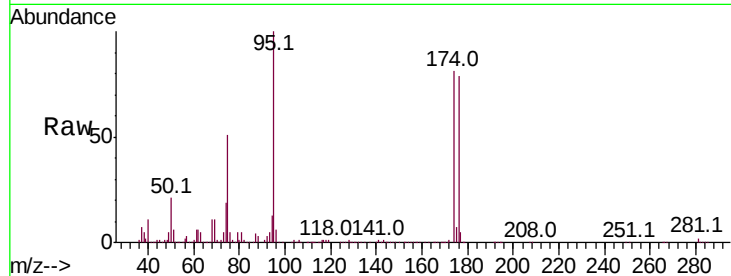




#62  
4-Bromofluorobenzene  
Concen: 52.189 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW009270.D  
Acq: 20 Mar 2019 06:27

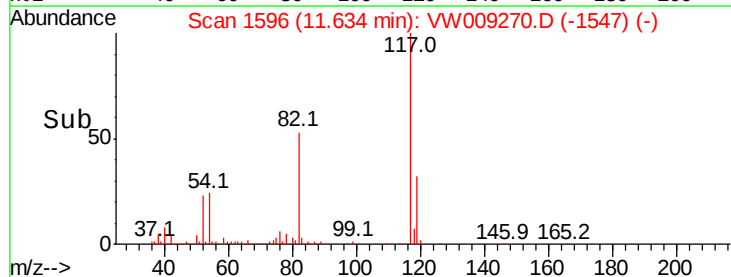
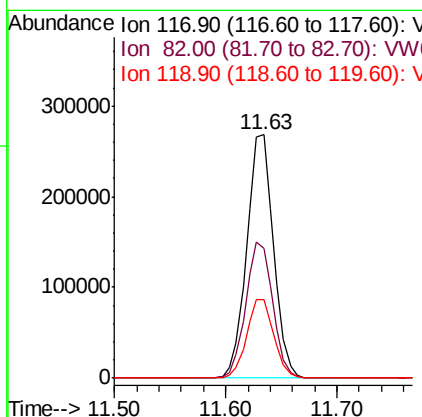
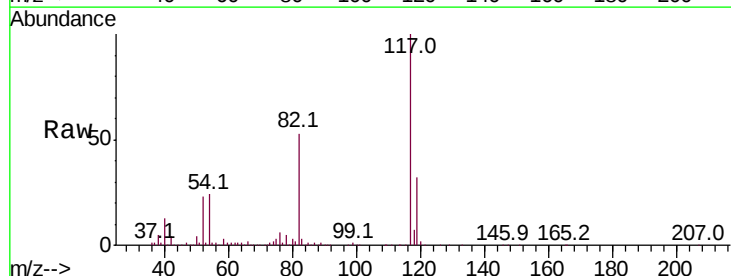
Instrument :  
MSVOA\_W  
ClientSampleId :  
20190143-COMPOSITE-B

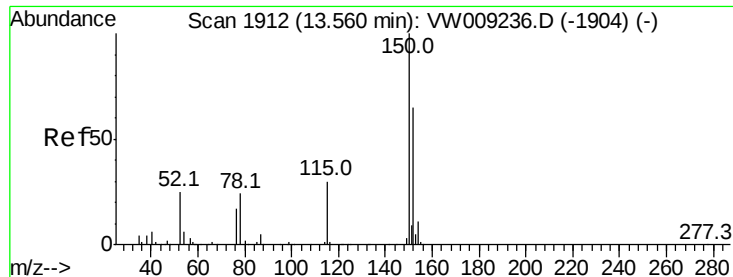
Tot Ion: 95 Resp: 217674  
Ion Ratio Lower Upper  
95 100  
174 81.8 0.0 168.4  
176 78.6 0.0 161.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW009270.D  
Acq: 20 Mar 2019 06:27

Tgt Ion: 117 Resp: 448549  
Ion Ratio Lower Upper  
117 100  
82 53.4 43.6 65.4  
119 32.1 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: VW009270.D

Acq: 20 Mar 2019 06:27

Instrument :

MSVOA\_W

ClientSampleId :

20190143-COMPOSITE-B

Tot Ion:152 Resp: 222806

Ion Ratio Lower Upper

152 100

115 58.7 29.6 88.8

150 157.4 0.0 349.2

