

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062718\  
 Data File : VW003601.D  
 Acq On : 27 Jun 2018 06:07  
 Operator : SY/AP  
 Sample : J3629-02  
 Misc : 7.46G/5ML/MSVOA W/SOIL  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A0C2-02

Quant Time: Jun 27 08:33:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W061318S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 05:18:54 2018  
 Response via : Initial Calibration

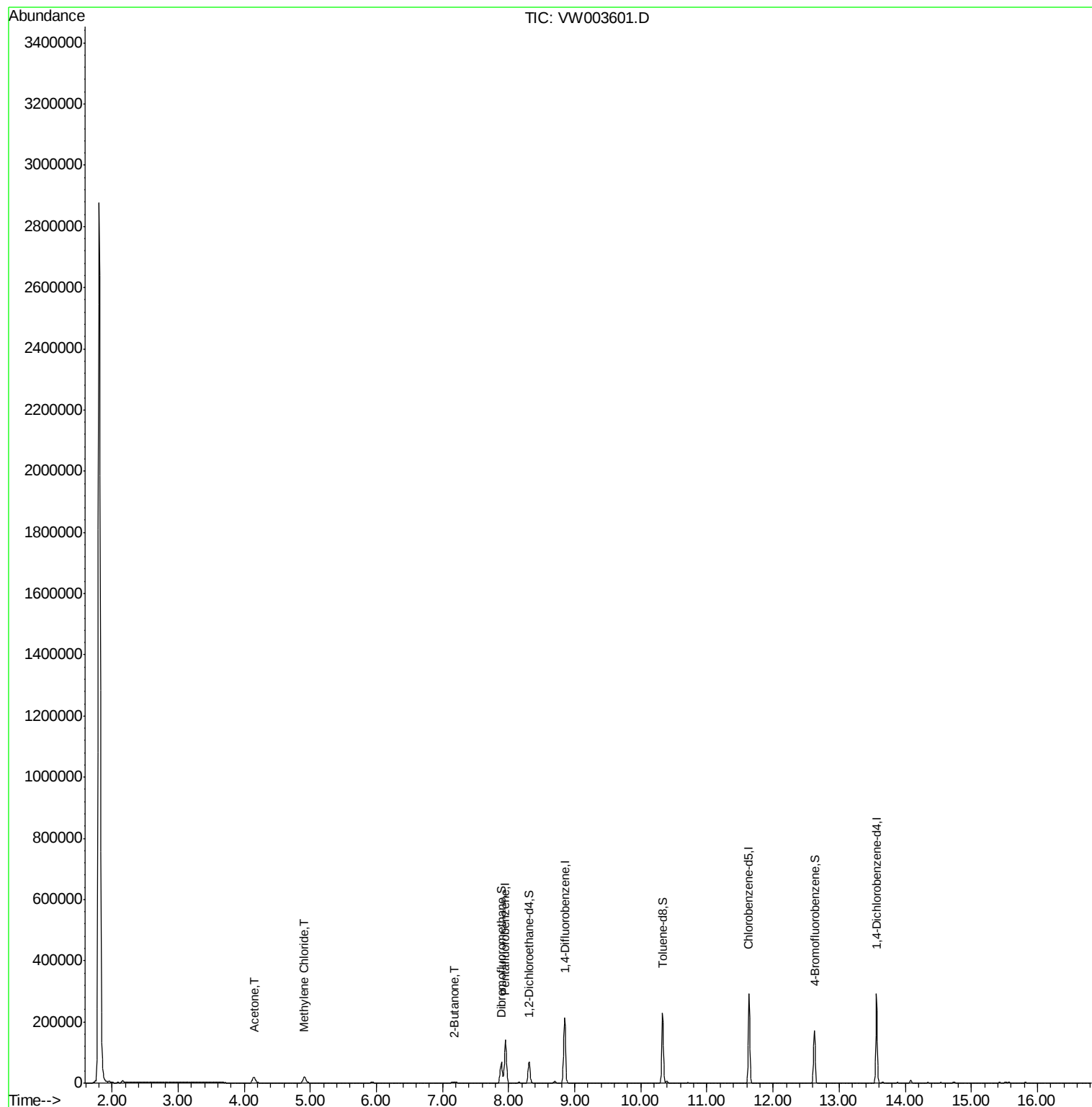
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 99347    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 167967   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 157125   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 70677    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 56586    | 52.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.18% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 47661    | 45.67  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.34%  |          |
| 50) Toluene-d8              | 10.33 | 98   | 145157   | 35.07  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 70.14%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 49916    | 34.08  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 68.16%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.15  | 43   | 39590    | 175.42 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.91  | 84   | 15485    | 13.47  | ug/l    | 95       |
| 25) 2-Butanone              | 7.19  | 43   | 3856     | 13.74  | ug/l #  | 89       |

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

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MSVOA\_W  
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A0C2-02

Quant Time: Jun 27 08:33:11 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W061318S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 05:18:54 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003601.D

Acq: 27 Jun 2018 06:07

Instrument :

MSVOA\_W

ClientSampleId :

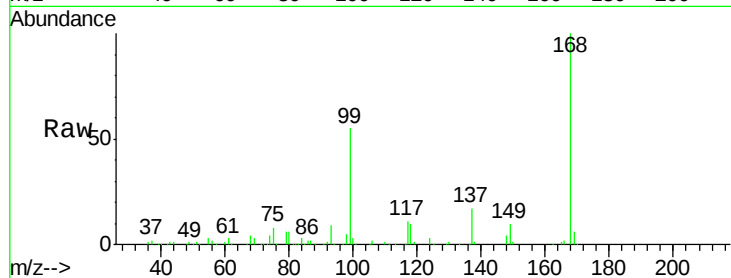
A0C2-02

Tot Ion:168 Resp: 99347

Ion Ratio Lower Upper

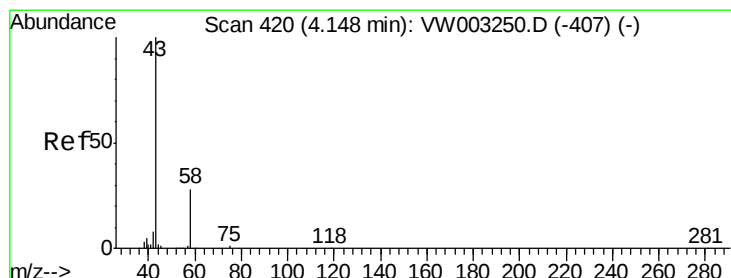
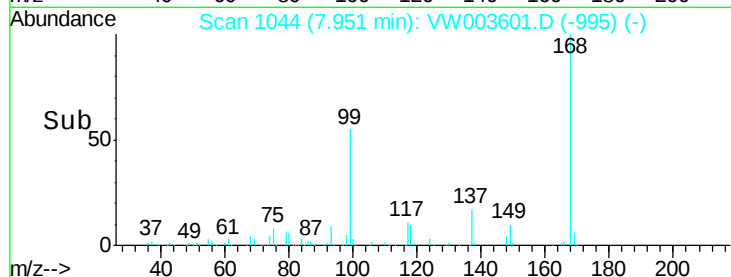
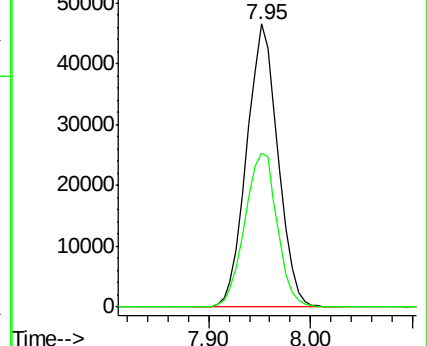
168 100

99 54.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 175.42 ug/l

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VW003601.D

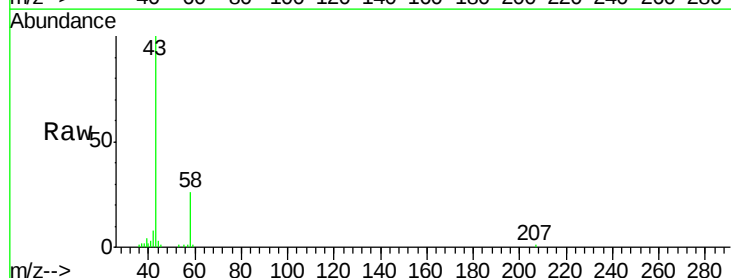
Acq: 27 Jun 2018 06:07

Tgt Ion: 43 Resp: 39590

Ion Ratio Lower Upper

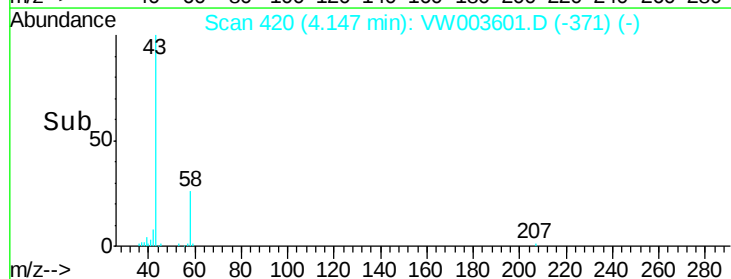
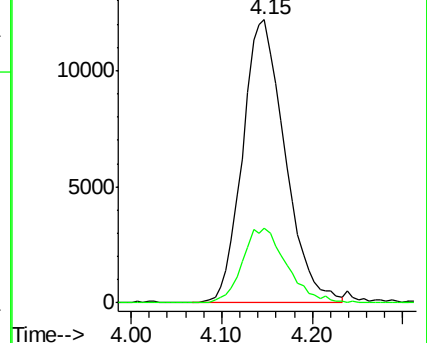
43 100

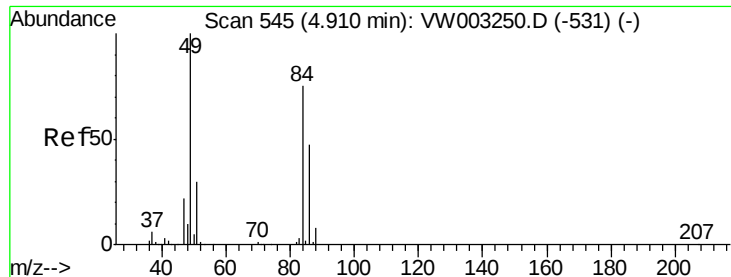
58 26.3 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

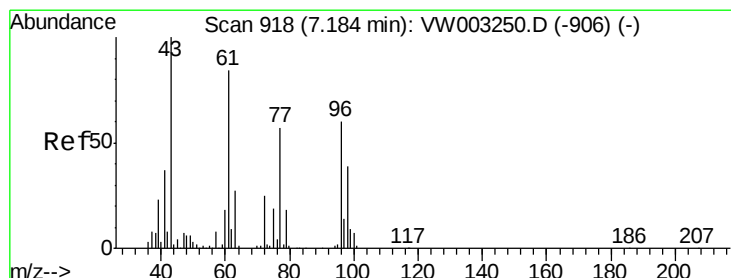
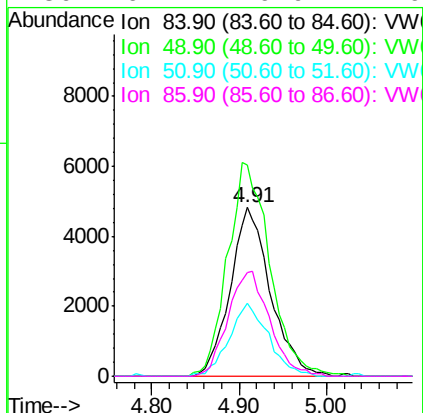
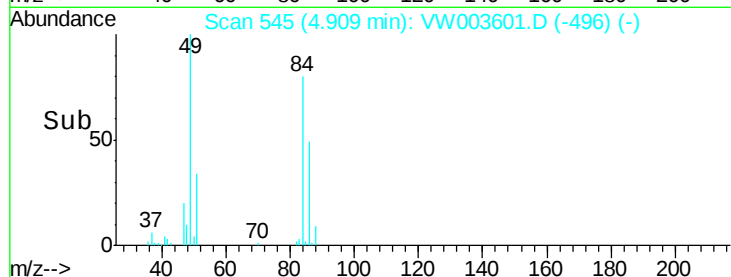
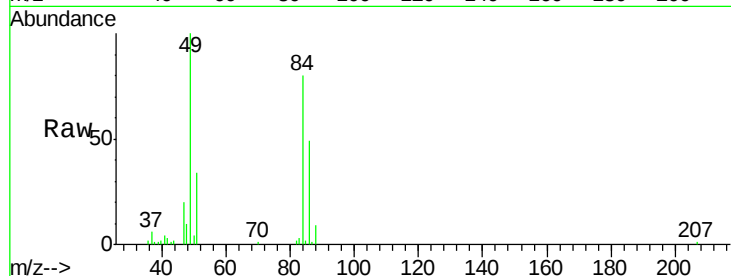




#20  
Methvlene Chloride  
Concen: 13.47 ug/l  
RT: 4.91 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: VW003601.D  
Acq: 27 Jun 2018 06:07

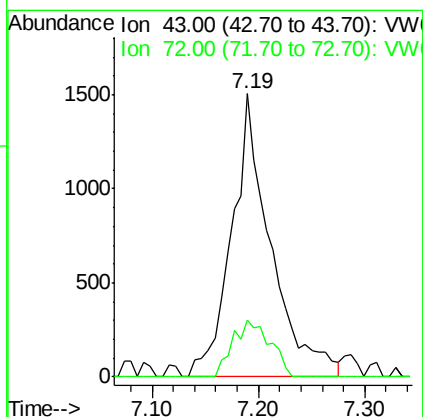
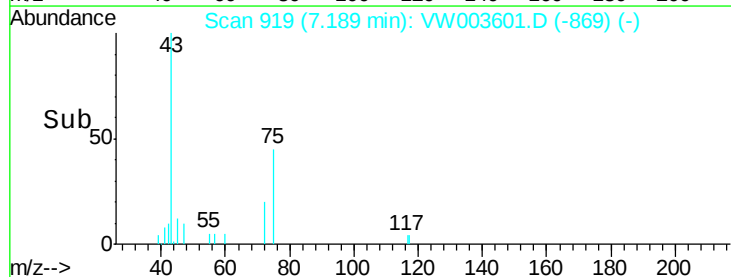
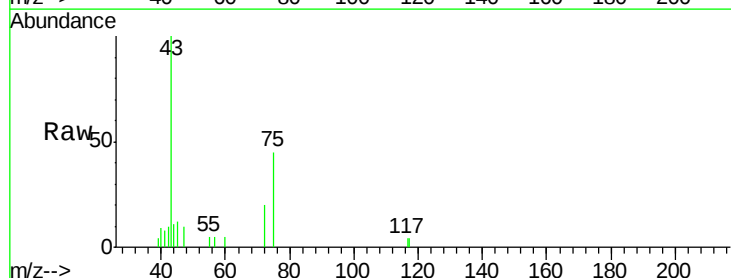
Instrument :  
MSVOA\_W  
ClientSampleId :  
A0C2-02

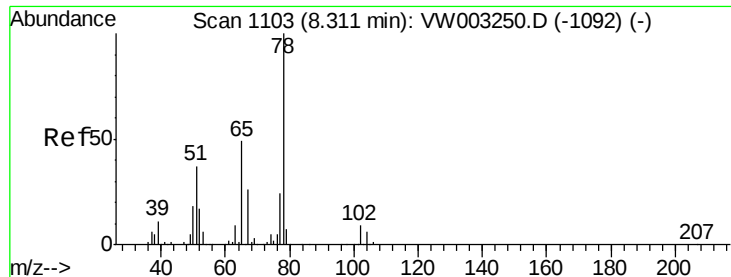
Tot Ion: 84 Resp: 15485  
Ion Ratio Lower Upper  
84 100  
49 125.1 106.3 159.5  
51 43.0 32.0 48.0  
86 61.2 49.9 74.9



#25  
2-Butanone  
Concen: 13.74 ug/l  
RT: 7.19 min Scan# 919  
Delta R.T. 0.01 min  
Lab File: VW003601.D  
Acq: 27 Jun 2018 06:07

Tgt Ion: 43 Resp: 3856  
Ion Ratio Lower Upper  
43 100  
72 20.0 20.3 30.5#

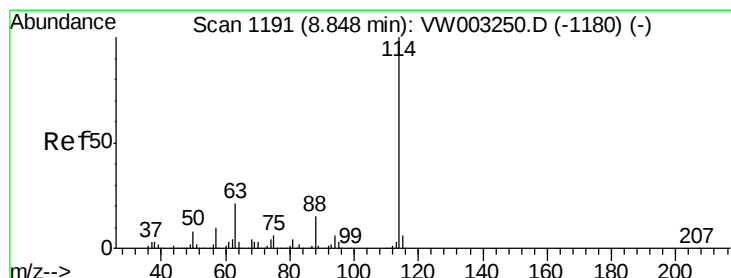
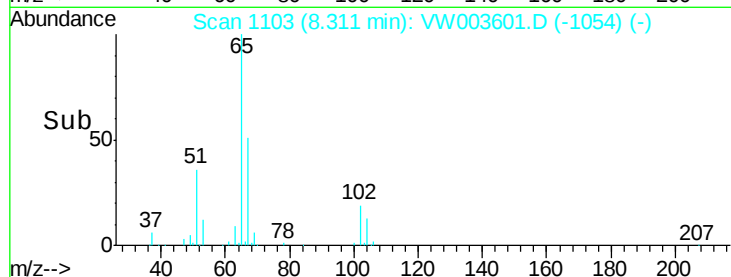
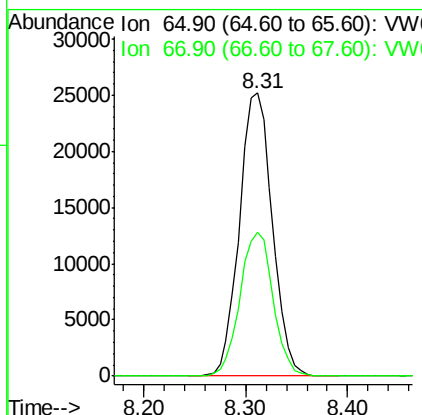
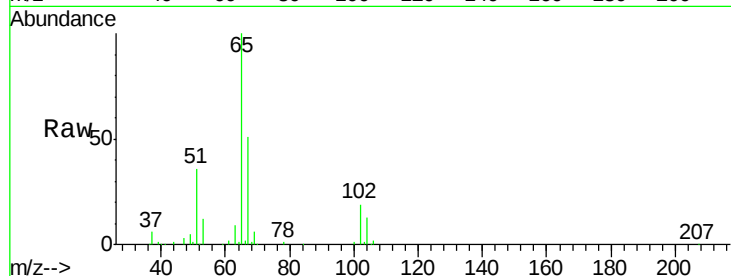




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.59 ug/l  
 RT: 8.31 min Scan# 1103  
 Delta R.T. -0.00 min  
 Lab File: VW003601.D  
 Acq: 27 Jun 2018 06:07

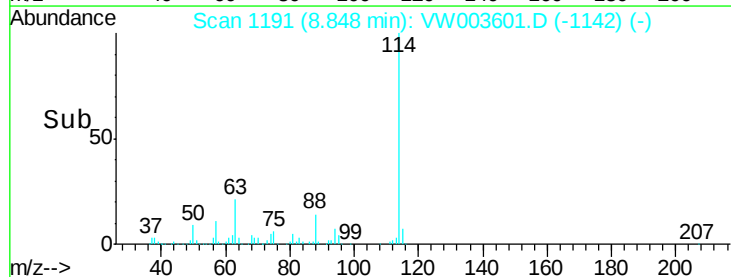
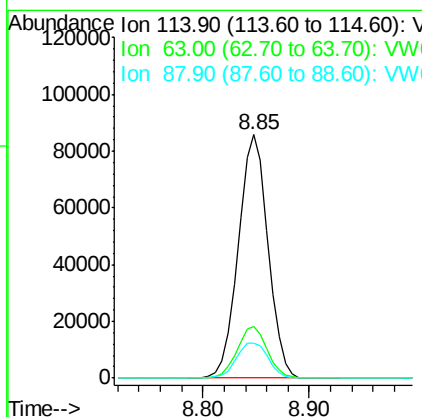
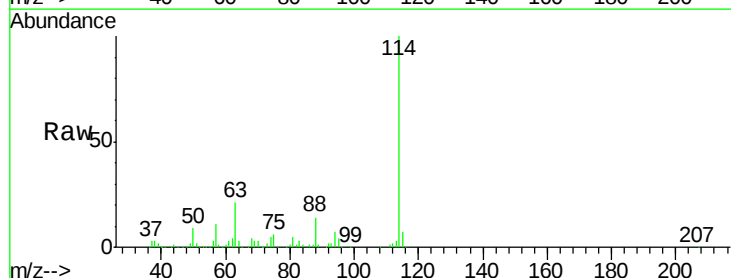
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A0C2-02

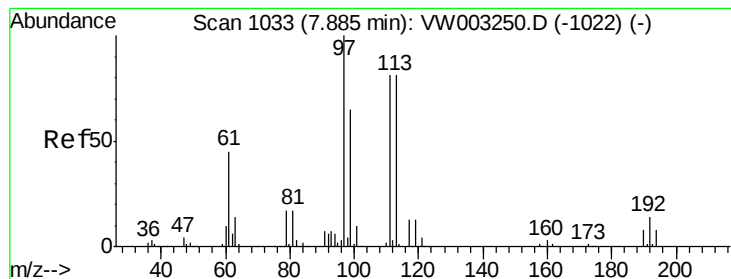
Tot Ion: 65 Resp: 56586  
 Ion Ratio Lower Upper  
 65 100  
 67 51.0 0.0 104.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. -0.00 min  
 Lab File: VW003601.D  
 Acq: 27 Jun 2018 06:07

Tgt Ion: 114 Resp: 167967  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 43.0  
 88 14.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 45.67 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003601.D

Acq: 27 Jun 2018 06:07

Instrument :

MSVOA\_W

ClientSampled :

A0C2-02

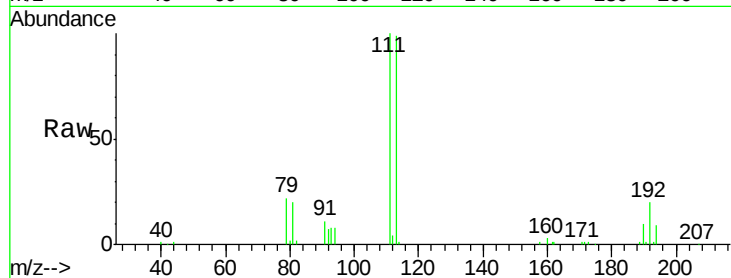
Tot Ion:113 Resp: 47661

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

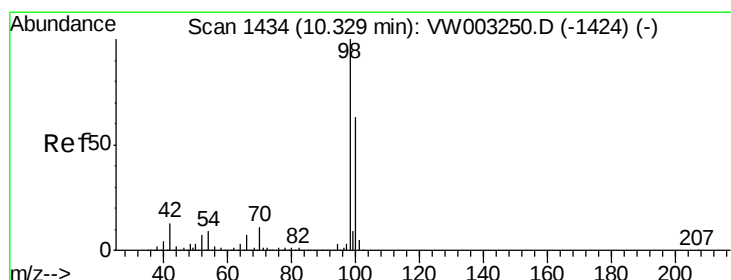
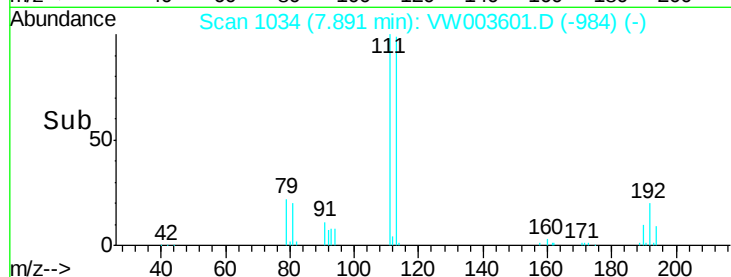
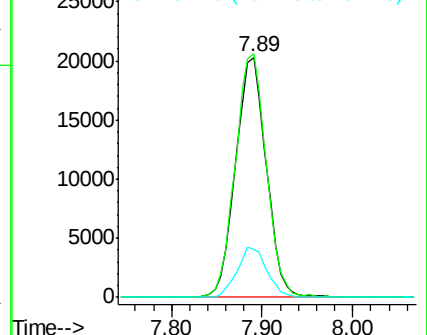
192 20.1 16.2 24.2



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: 35.07 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW003601.D

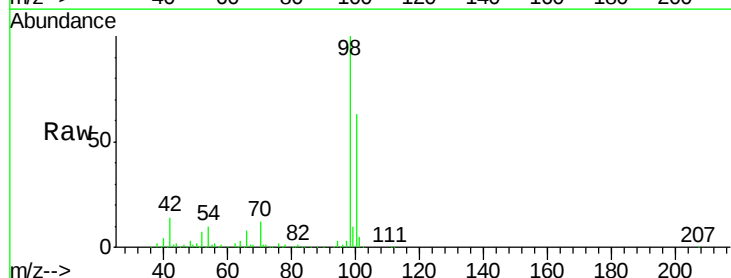
Acq: 27 Jun 2018 06:07

Tgt Ion: 98 Resp: 145157

Ion Ratio Lower Upper

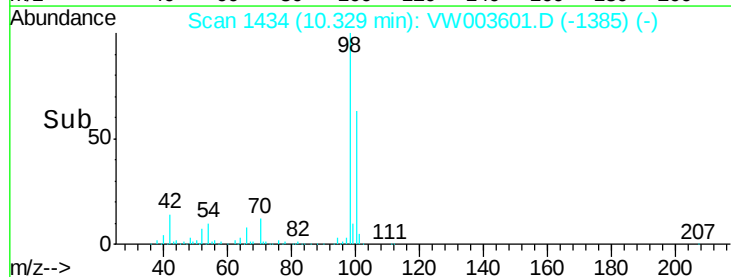
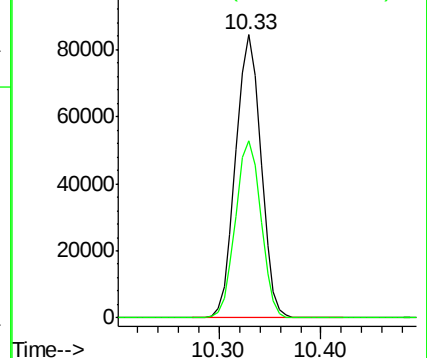
98 100

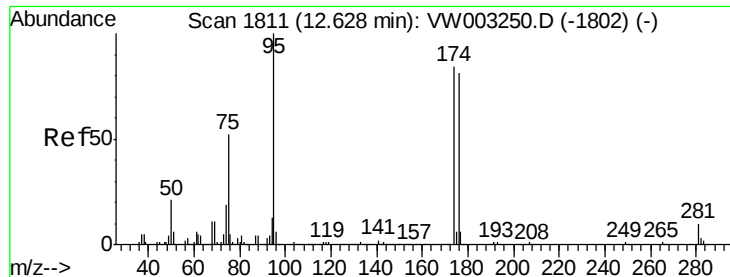
100 62.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

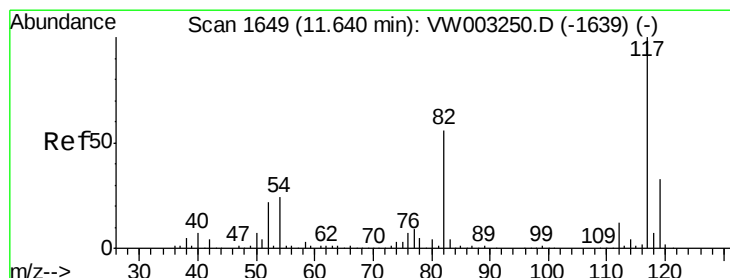
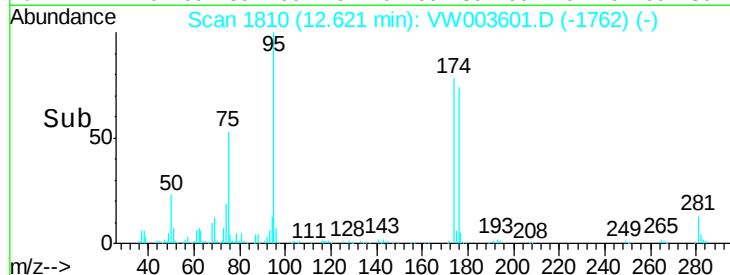
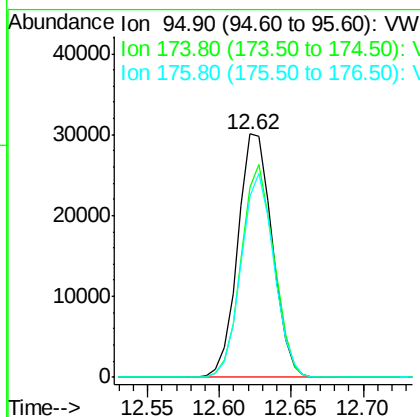
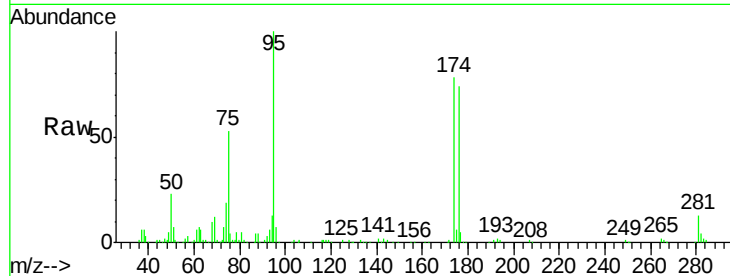




#62  
4-Bromofluorobenzene  
Concen: 34.08 ug/l  
RT: 12.62 min Scan# 1810  
Delta R.T. -0.01 min  
Lab File: VW003601.D  
Acq: 27 Jun 2018 06:07

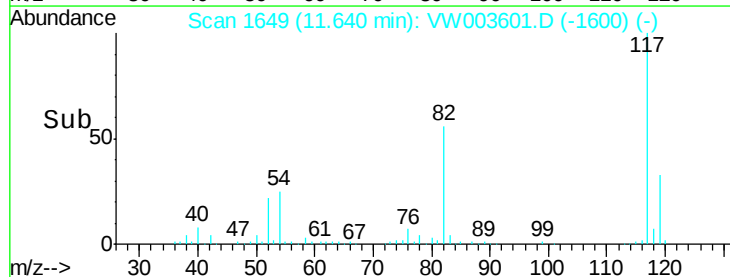
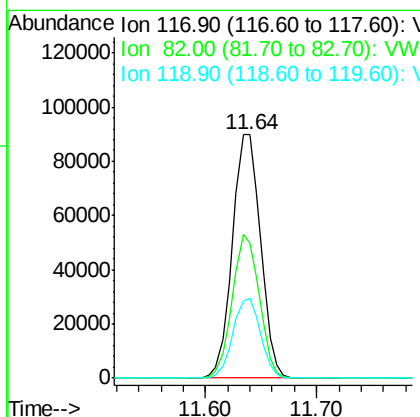
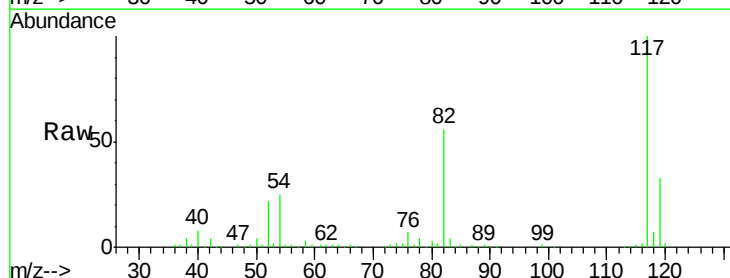
Instrument :  
MSVOA\_W  
ClientSampleId :  
A0C2-02

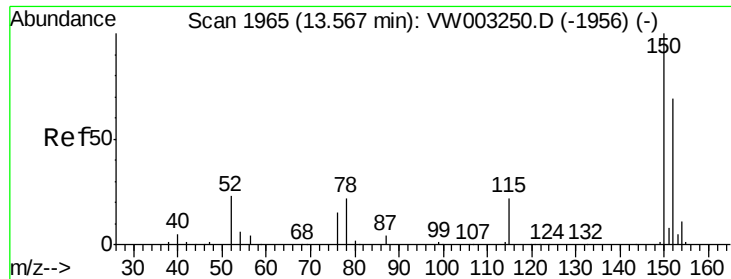
Tot Ion: 95 Resp: 49916  
Ion Ratio Lower Upper  
95 100  
174 83.2 0.0 166.4  
176 79.9 0.0 162.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: VW003601.D  
Acq: 27 Jun 2018 06:07

Tgt Ion: 117 Resp: 157125  
Ion Ratio Lower Upper  
117 100  
82 55.5 44.6 67.0  
119 32.7 26.7 40.1

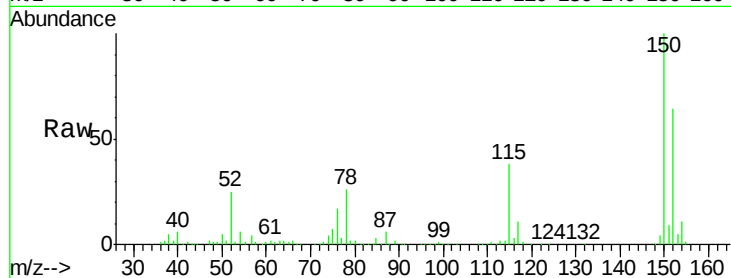




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.57 min Scan# 1965  
 Delta R.T. -0.00 min  
 Lab File: VW003601.D  
 Acq: 27 Jun 2018 06:07

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A0C2-02

Tot Ion:152 Resp: 70677  
 Ion Ratio Lower Upper  
 152 100  
 115 60.0 29.3 88.0  
 150 157.0 0.0 349.6



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

