

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
 Data File : VU024566.D  
 Acq On : 15 Jun 2018 02:08  
 Operator : MD/SY  
 Sample : J3478-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SS050MW609-180610

Quant Time: Jun 15 05:40:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 13 13:55:26 2018  
 Response via : Initial Calibration

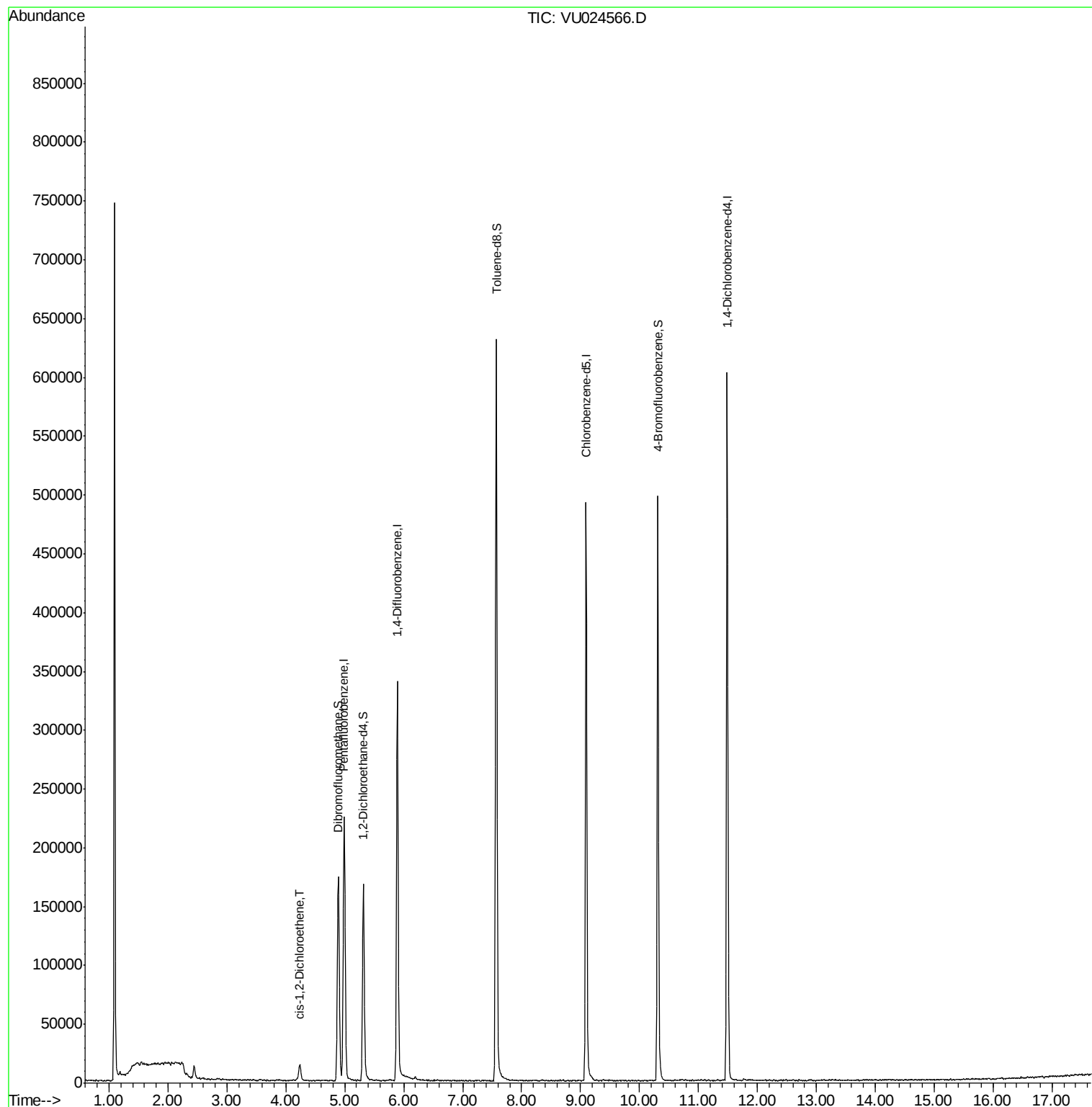
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 183747   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 301146   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 287447   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 11.49 | 152  | 167735   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 5.32  | 65   | 131662   | 43.89 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.78% |           |
| 35) Dibromofluoromethane    | 4.89  | 113  | 118725   | 47.50 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.00% |           |
| 50) Toluene-d8              | 7.57  | 98   | 442042   | 48.49 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.98% |           |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 166746   | 46.07 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.14% |           |
| Target Compounds            |       |      |          |       |        |           |
| 27) cis-1,2-Dichloroethene  | 4.24  | 96   | 8332     | 3.145 | ug/l   | Qvalue 82 |

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024566.D

Acq: 15 Jun 2018 02:08

Instrument :

MSVOA\_U

ClientSampleId :

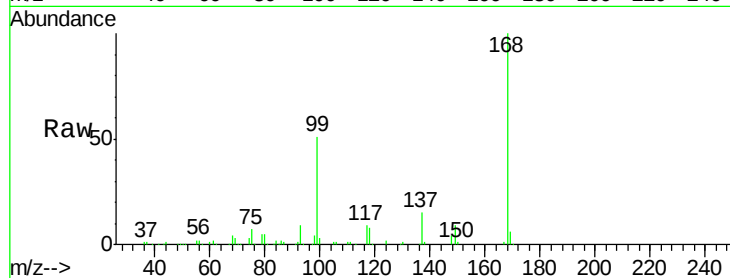
SS050MW609-180610

Tot Ion:168 Resp: 183747

Ion Ratio Lower Upper

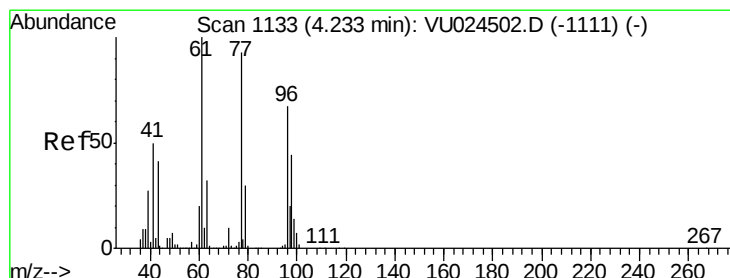
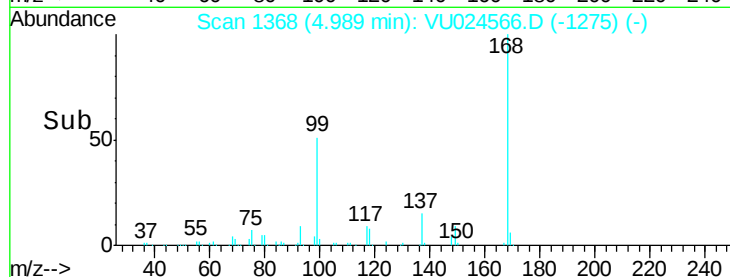
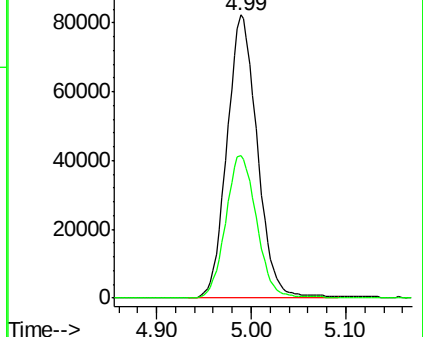
168 100

99 50.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024566.D (-1275) (-)



#27

cis-1,2-Dichloroethene

Concen: 3.145 ug/l

RT: 4.24 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VU024566.D

Acq: 15 Jun 2018 02:08

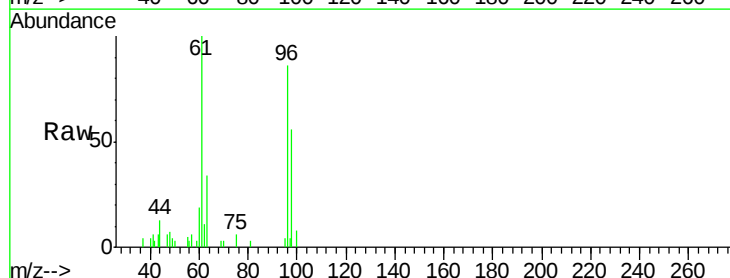
Tgt Ion: 96 Resp: 8332

Ion Ratio Lower Upper

96 100

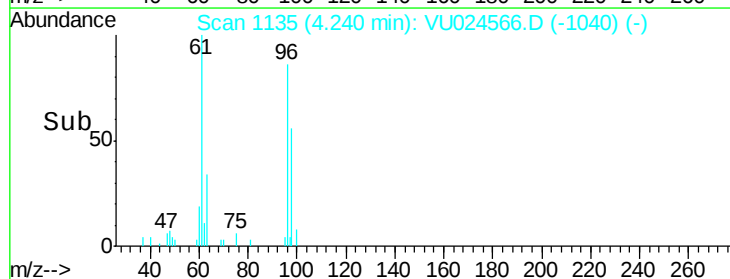
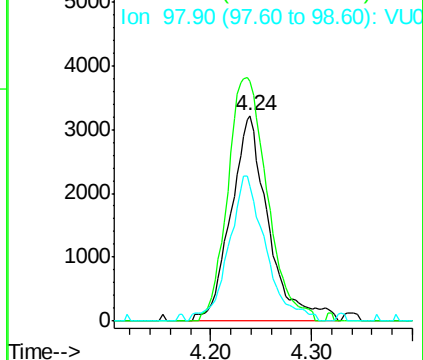
61 124.7 0.0 306.6

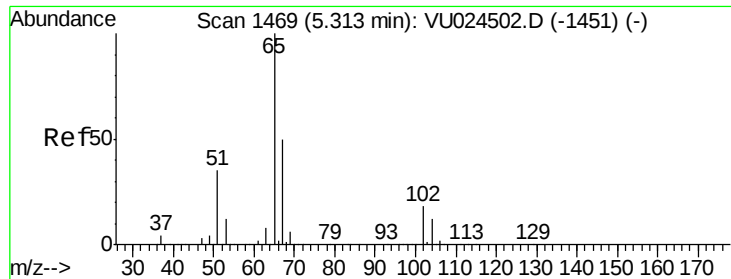
98 69.5 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU024502.D (-1111) (-)

Ion 60.90 (60.60 to 61.60): VU024566.D (-1040) (-)

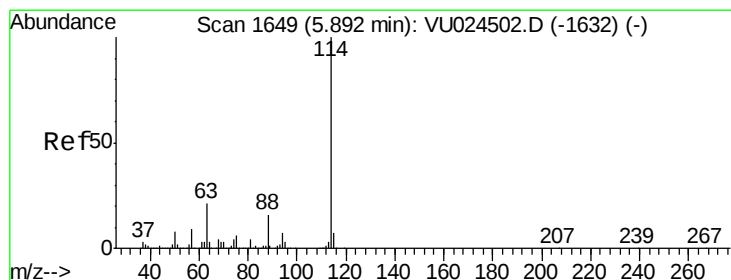
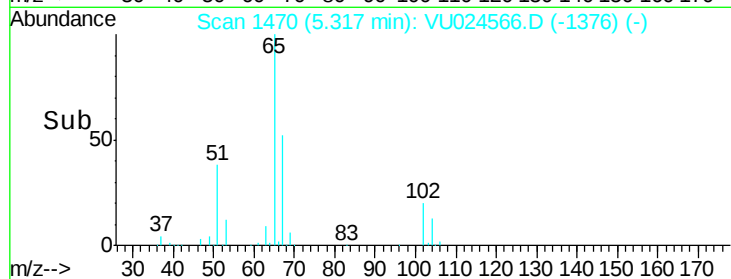
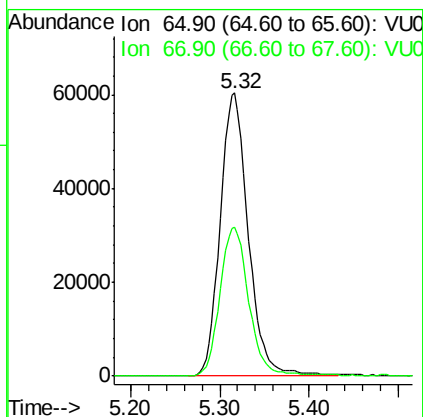
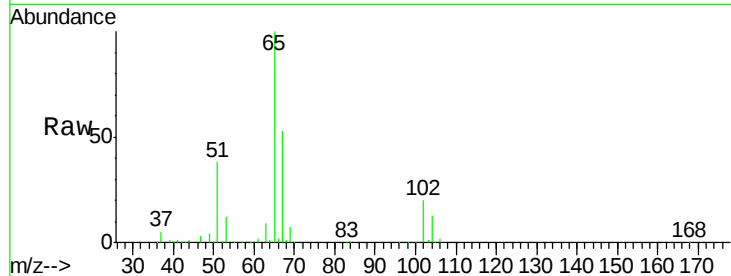




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.892 ug/l  
 RT: 5.32 min Scan# 1470  
 Delta R.T. 0.00 min  
 Lab File: VU024566.D  
 Acq: 15 Jun 2018 02:08

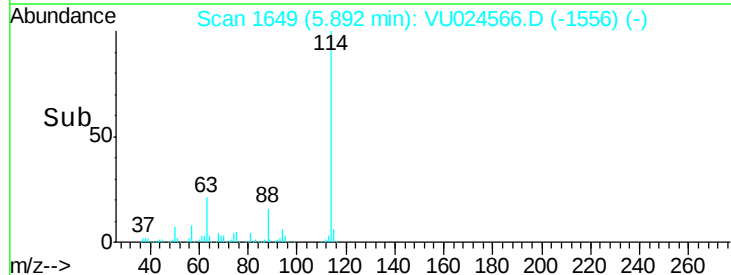
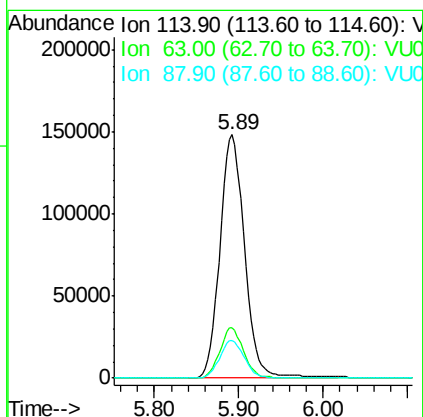
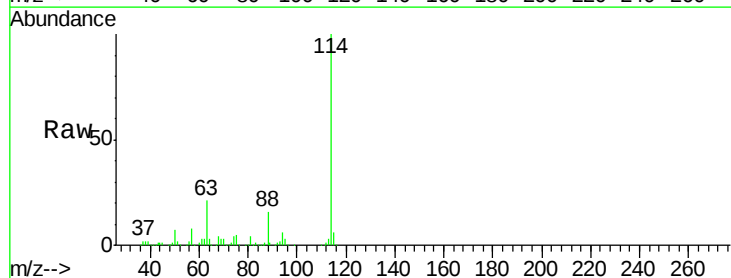
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SS050MW609-180610

Tot Ion: 65 Resp: 131662  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 107.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1649  
 Delta R.T. 0.00 min  
 Lab File: VU024566.D  
 Acq: 15 Jun 2018 02:08

Tgt Ion: 114 Resp: 301146  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 45.4  
 88 15.6 0.0 31.0

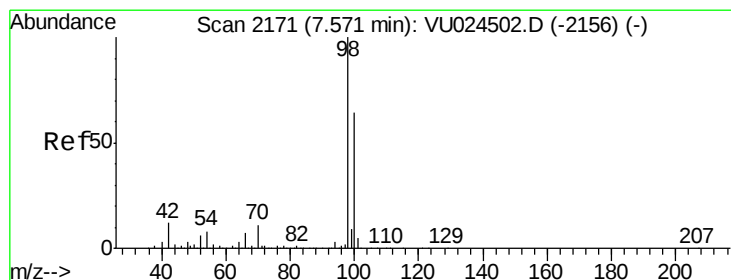
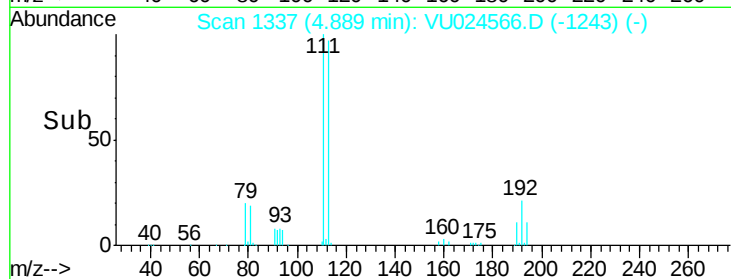
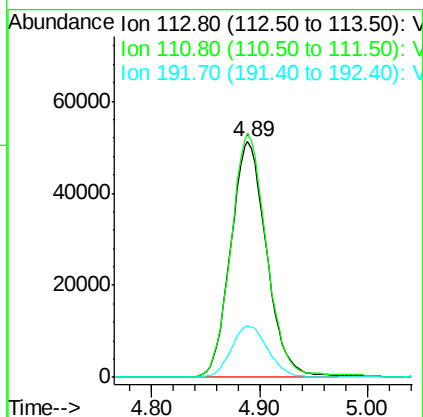
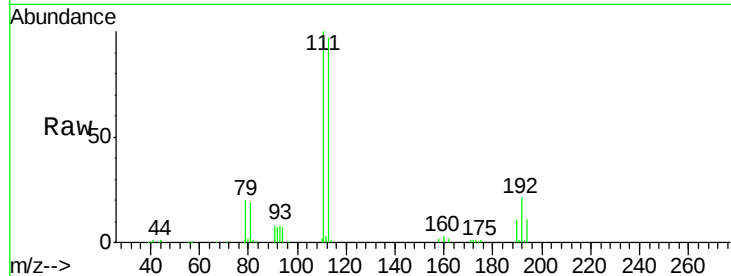




#35  
 Dibromofluoromethane  
 Concen: 47.504 ug/l  
 RT: 4.89 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VU024566.D  
 Acq: 15 Jun 2018 02:08

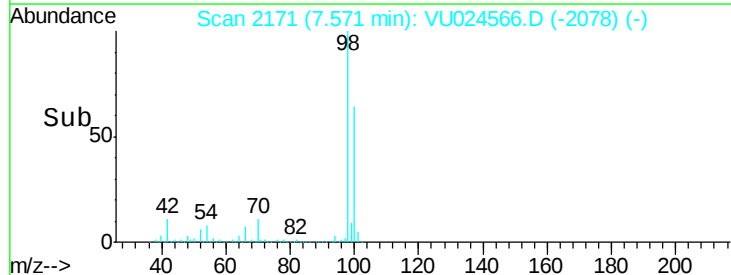
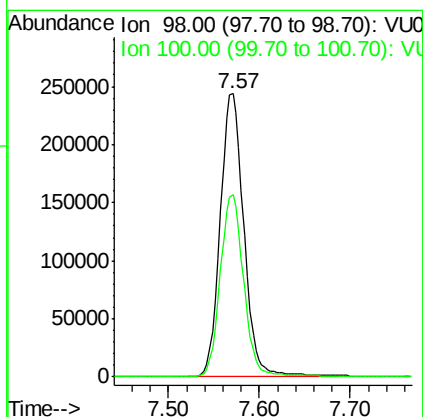
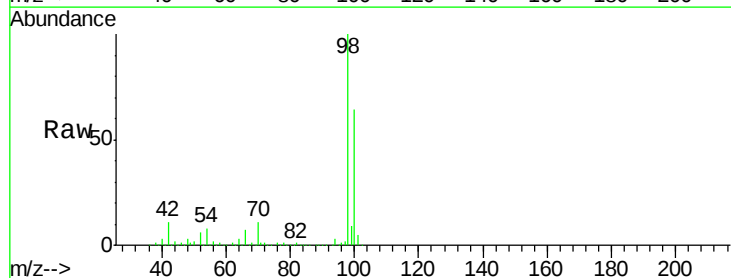
Instrument :  
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 ClientSampleId :  
 SS050MW609-180610

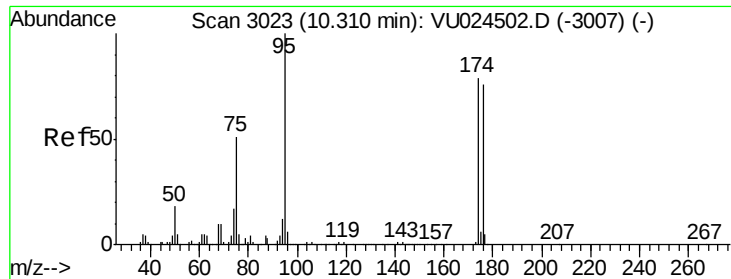
Tot Ion:113 Resp: 118725  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 82.2 123.4  
 192 22.4 16.2 24.4



#50  
 Toluene-d8  
 Concen: 48.489 ug/l  
 RT: 7.57 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VU024566.D  
 Acq: 15 Jun 2018 02:08

Tgt Ion: 98 Resp: 442042  
 Ion Ratio Lower Upper  
 98 100  
 100 63.8 51.1 76.7

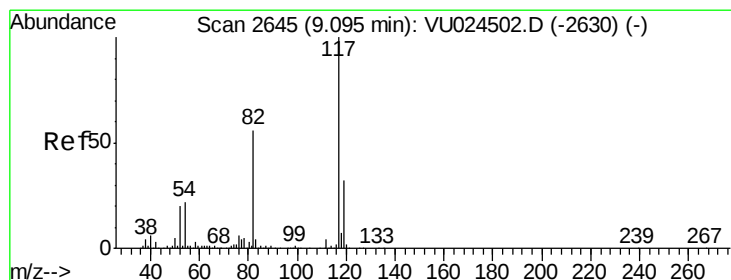
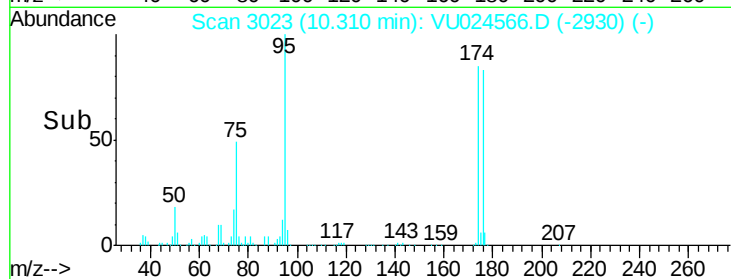
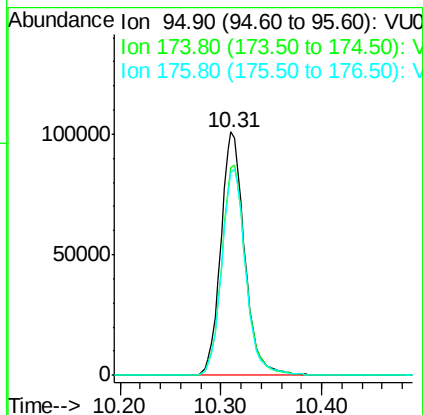
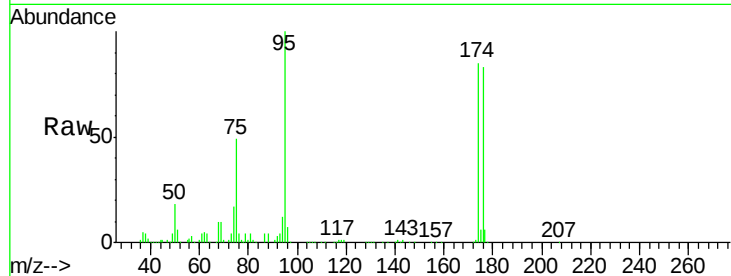




#62  
4-Bromofluorobenzene  
Concen: 46.068 ug/l  
RT: 10.31 min Scan# 3023  
Delta R.T. 0.00 min  
Lab File: VU024566.D  
Acq: 15 Jun 2018 02:08

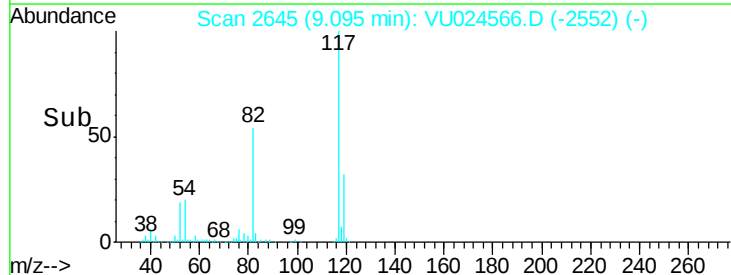
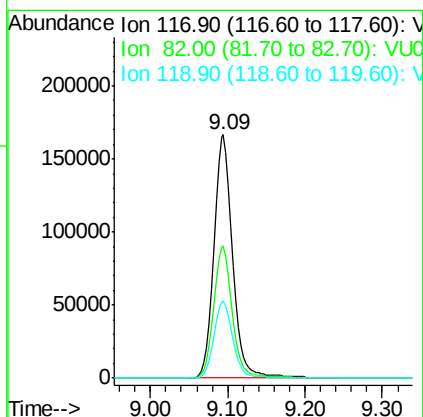
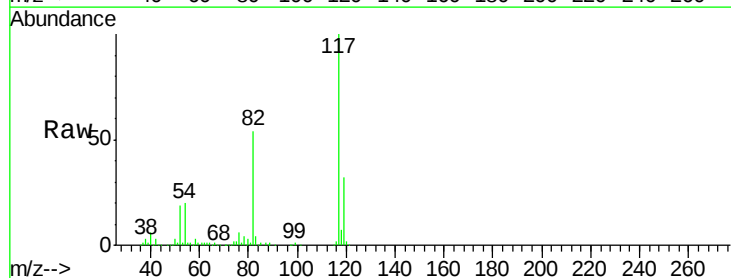
Instrument :  
MSVOA\_U  
ClientSampleId :  
SS050MW609-180610

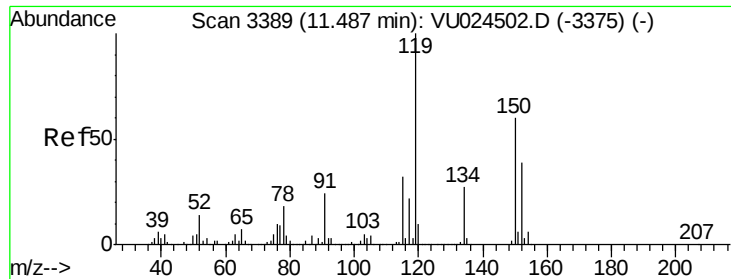
Tot Ion: 95 Resp: 166746  
Ion Ratio Lower Upper  
95 100  
174 87.0 0.0 165.8  
176 85.5 0.0 159.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VU024566.D  
Acq: 15 Jun 2018 02:08

Tgt Ion: 117 Resp: 287447  
Ion Ratio Lower Upper  
117 100  
82 54.3 44.3 66.5  
119 31.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024566.D

Acq: 15 Jun 2018 02:08

Instrument :

MSVOA\_U

ClientSampleId :

SS050MW609-180610

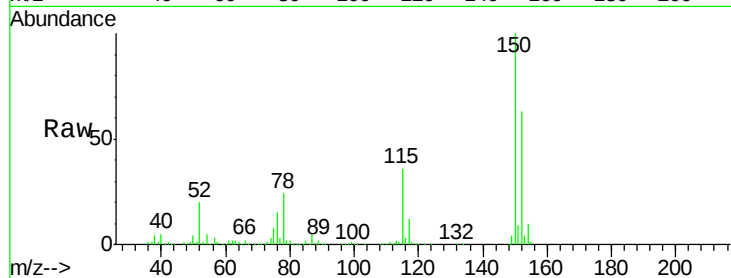
Tot Ion:152 Resp: 167735

Ion Ratio Lower Upper

152 100

115 57.2 43.0 129.0

150 156.4 0.0 354.0



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

