

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\  
 Data File : VU024822.D  
 Acq On : 21 Jun 2018 19:44  
 Operator : MD/SY  
 Sample : J3552-04  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MWHR2-9-061418

Quant Time: Jun 22 04:54:37 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  | 190243   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 290068   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 275324   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 145796   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 134903   | 43.44 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.88% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 112890   | 46.89 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.78% |          |
| 50) Toluene-d8              | 7.57  | 98   | 426907   | 48.62 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.24% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 155388   | 44.57 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.14% |          |

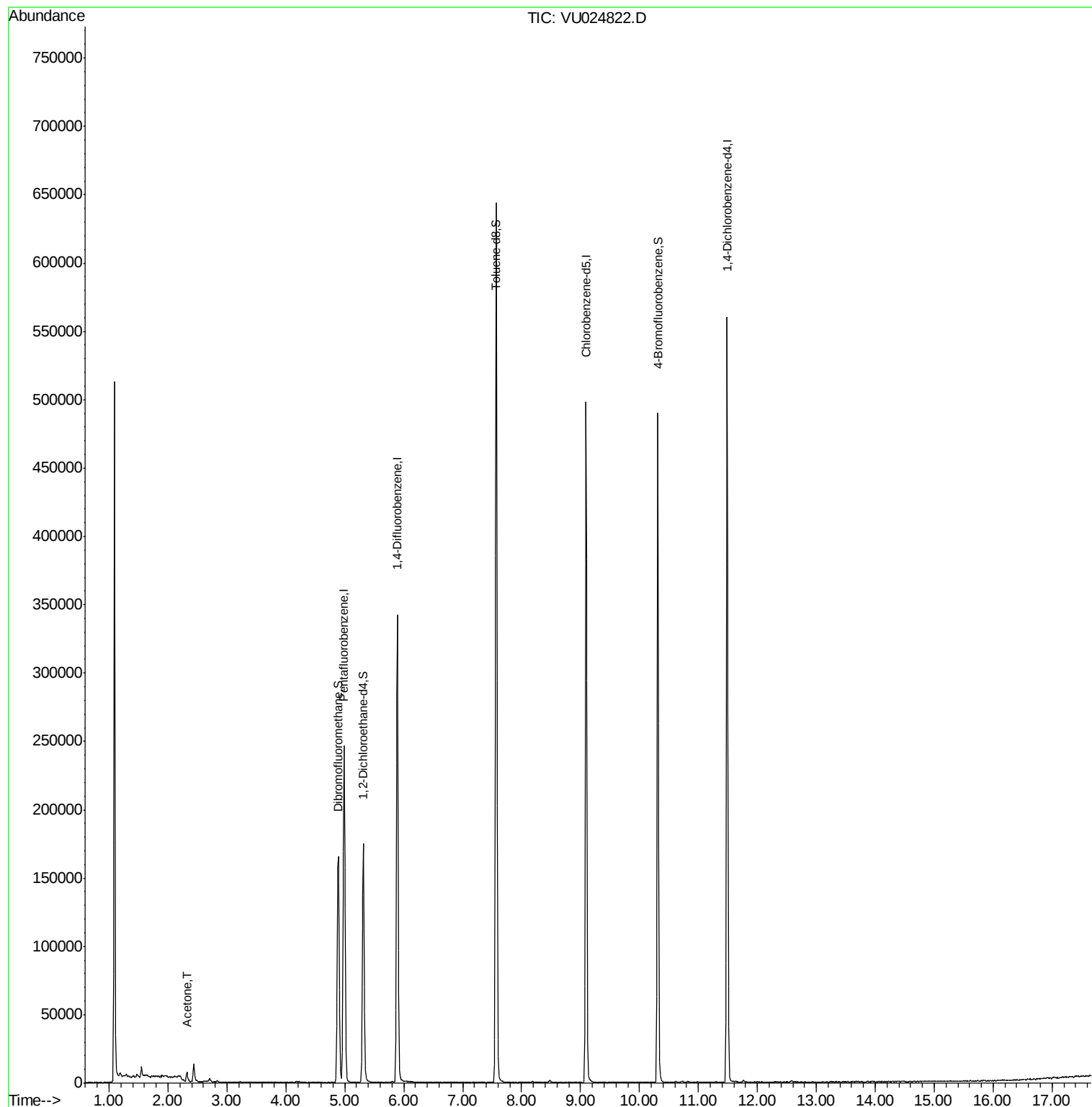
| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------|------|------|----------|------|-------|--------|
| 16) Acetone      | 2.32 | 43   | 6808     | 4.08 | ug/l  | 97     |

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

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QLast Update : Wed Jun 13 13:55:26 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

Instrument :

MSVOA\_U

ClientSampleId :

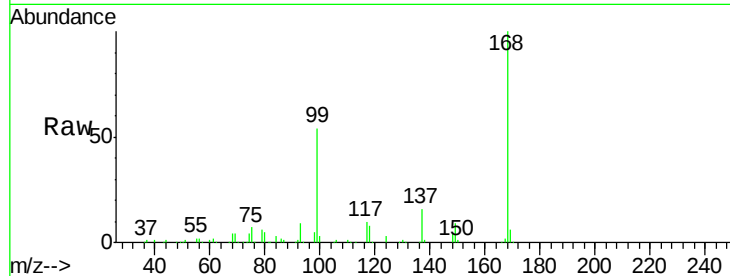
MWHR2-9-061418

Tot Ion:168 Resp: 190243

Ion Ratio Lower Upper

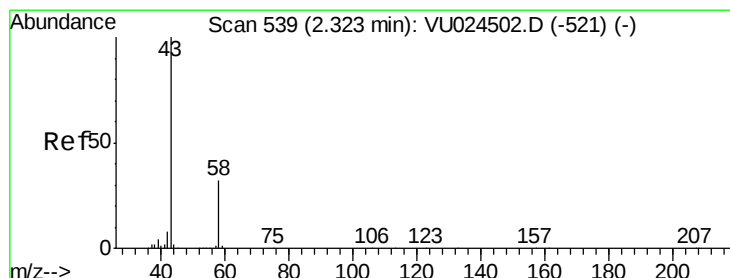
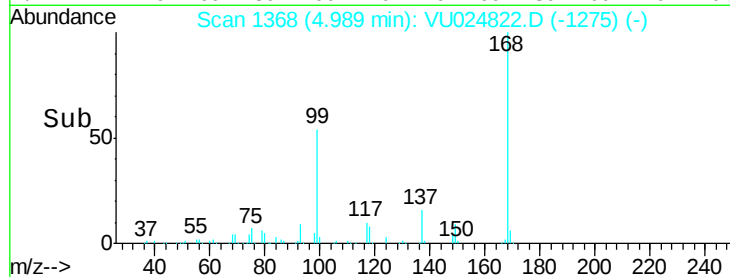
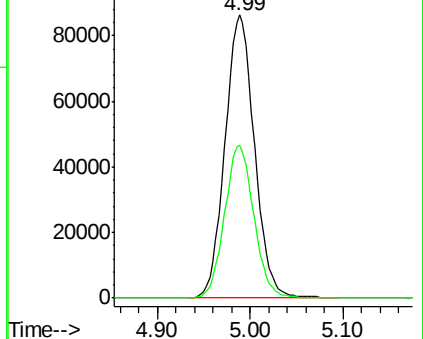
168 100

99 54.0 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024822.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024822.D (-1275) (-)



#16

Acetone

Concen: 4.08 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024822.D

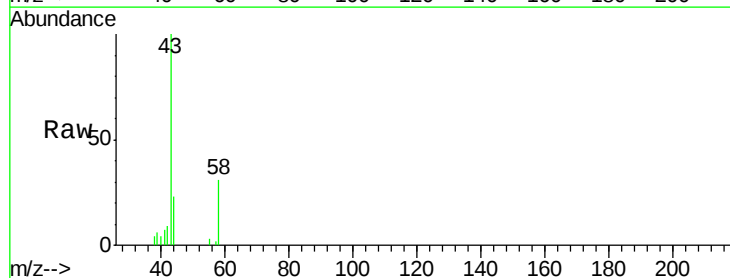
Acq: 21 Jun 2018 19:44

Tgt Ion: 43 Resp: 6808

Ion Ratio Lower Upper

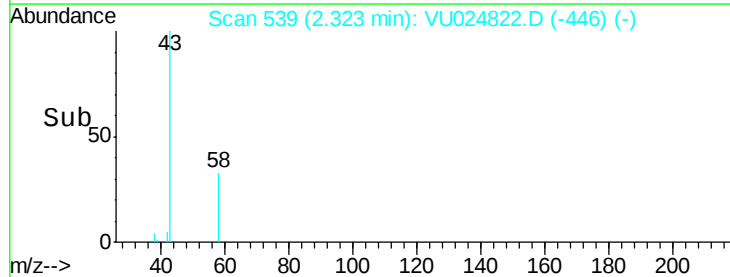
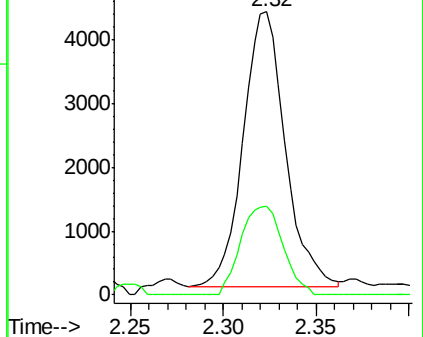
43 100

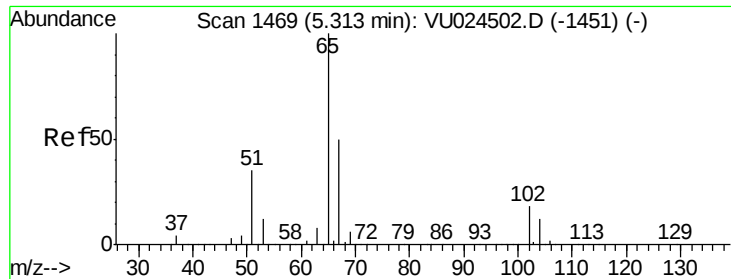
58 32.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024822.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024822.D (-446) (-)





#33

1,2-Dichloroethane-d4

Concen: 43.44 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

Instrument :

MSVOA\_U

ClientSampleId :

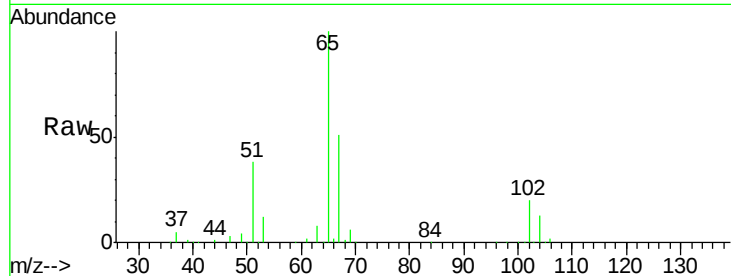
MWHR2-9-061418

Tot Ion: 65 Resp: 134903

Ion Ratio Lower Upper

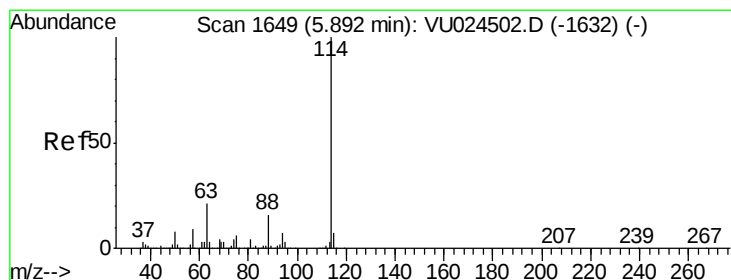
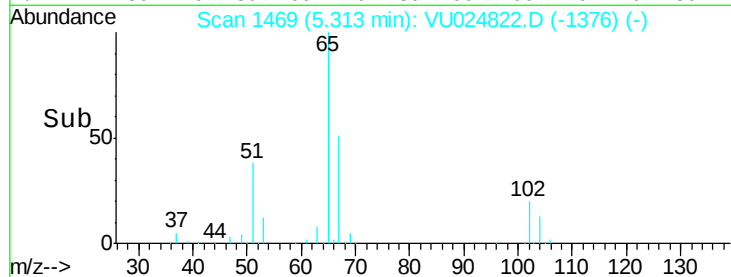
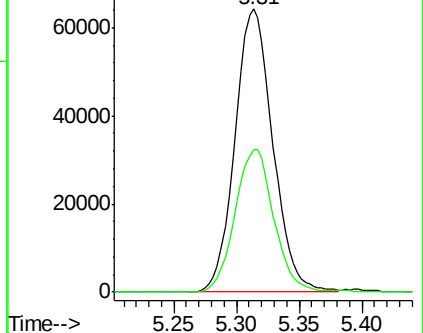
65 100

67 51.6 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024822.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024822.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

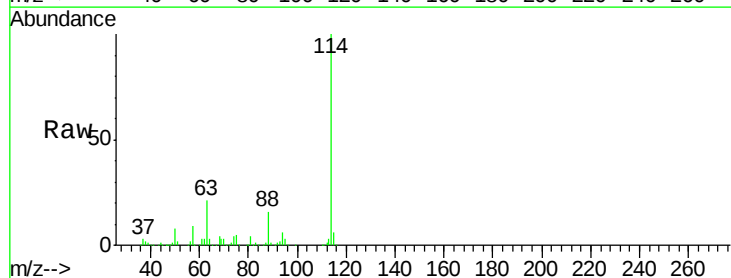
Tgt Ion: 114 Resp: 290068

Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.4

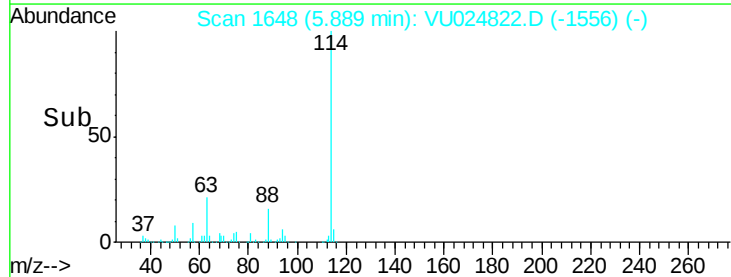
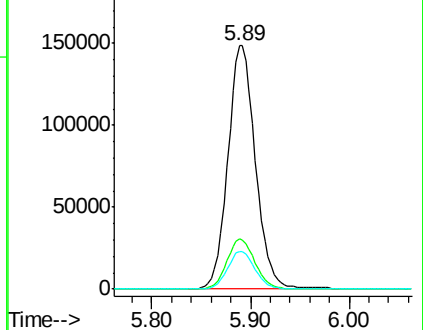
88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024822.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU024822.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024822.D (-1556) (-)





#35

Dibromofluoromethane

Concen: 46.89 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

Instrument :

MSVOA\_U

ClientSampleId :

MWHR2-9-061418

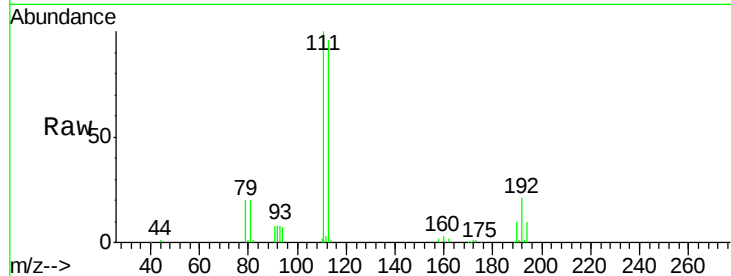
Tot Ion:113 Resp: 112890

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

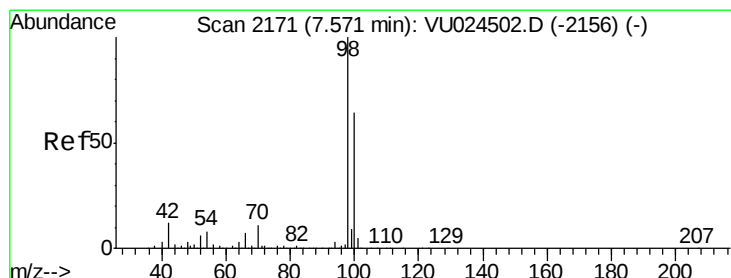
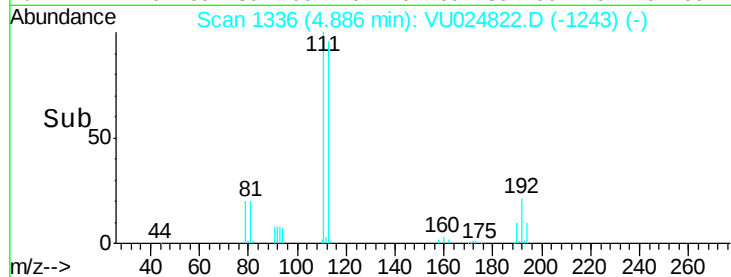
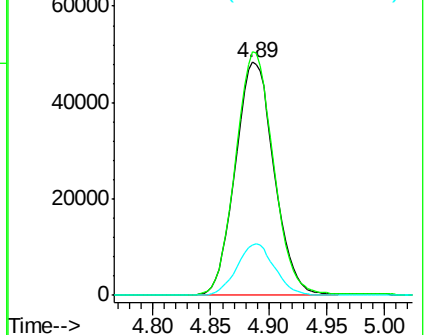
192 21.3 16.2 24.4



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: 48.62 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024822.D

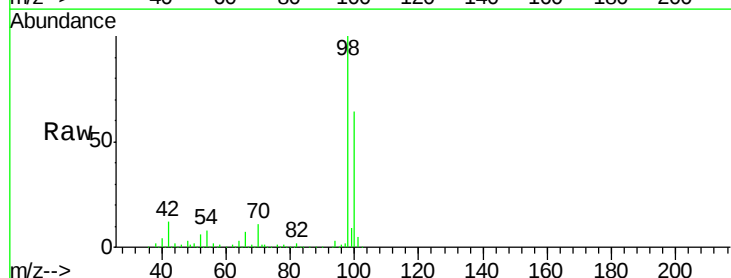
Acq: 21 Jun 2018 19:44

Tgt Ion: 98 Resp: 426907

Ion Ratio Lower Upper

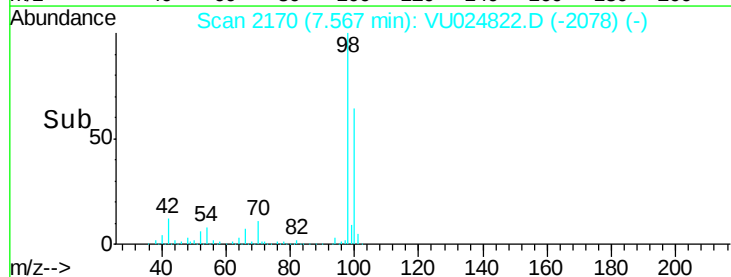
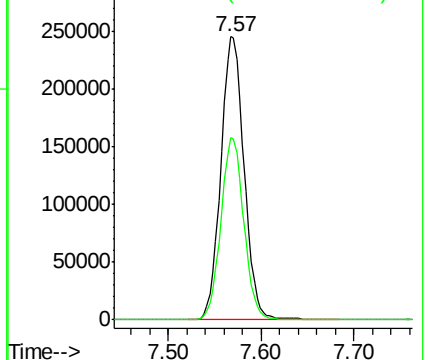
98 100

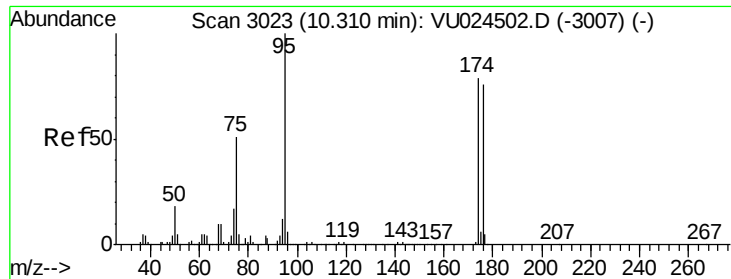
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

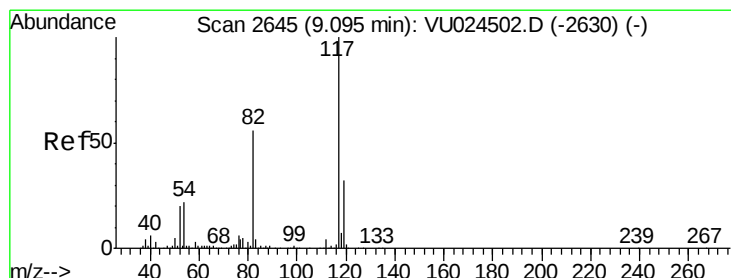
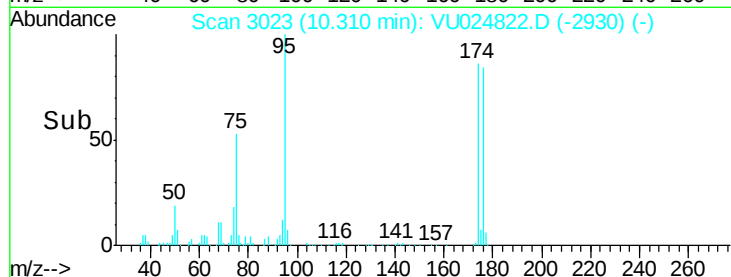
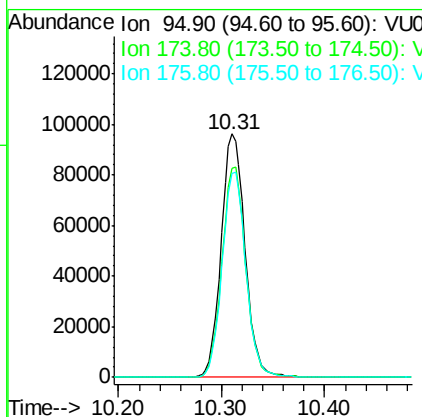
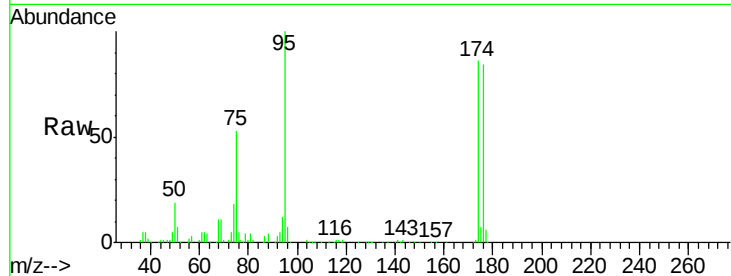




#62  
4-Bromofluorobenzene  
Concen: 44.57 ug/l  
RT: 10.31 min Scan# 3023  
Delta R.T. -0.00 min  
Lab File: VU024822.D  
Acq: 21 Jun 2018 19:44

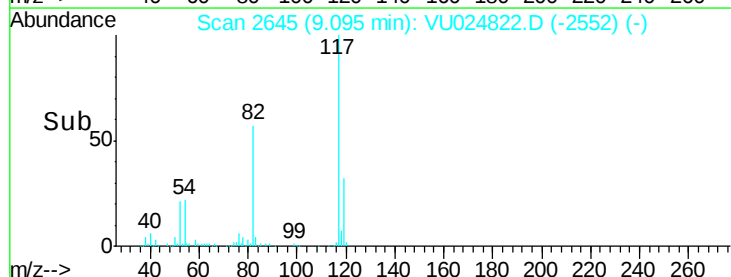
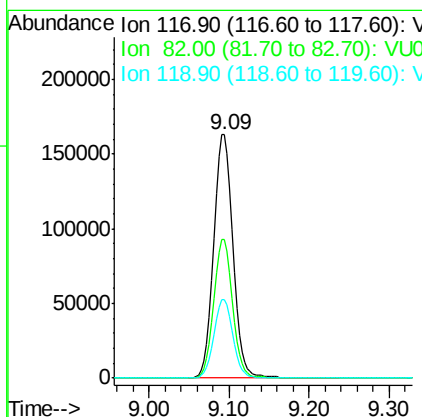
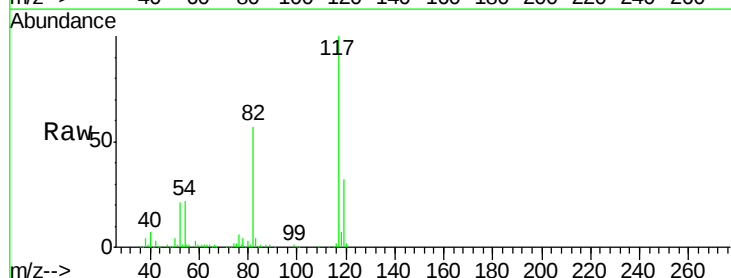
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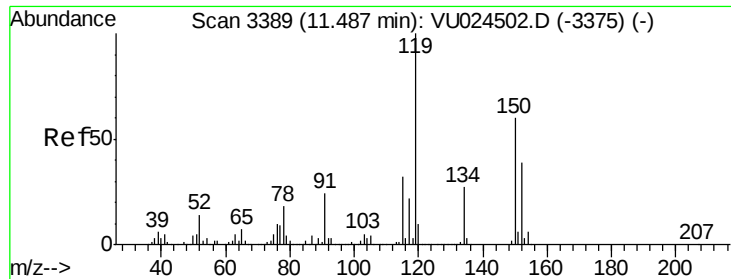
Tot Ion: 95 Resp: 155388  
Ion Ratio Lower Upper  
95 100  
174 85.8 0.0 165.8  
176 83.9 0.0 159.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2645  
Delta R.T. -0.00 min  
Lab File: VU024822.D  
Acq: 21 Jun 2018 19:44

Tgt Ion: 117 Resp: 275324  
Ion Ratio Lower Upper  
117 100  
82 57.0 44.3 66.5  
119 32.4 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024822.D

Acq: 21 Jun 2018 19:44

Instrument :

MSVOA\_U

ClientSampleId :

MWHR2-9-061418

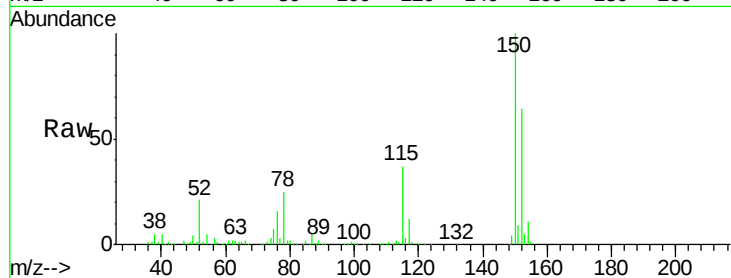
Tot Ion:152 Resp: 145796

Ion Ratio Lower Upper

152 100

115 56.7 43.0 129.0

150 156.5 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

