

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\  
 Data File : VU024813.D  
 Acq On : 21 Jun 2018 16:05  
 Operator : MD/SY  
 Sample : J3539-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 S39-0185

Quant Time: Jun 22 04:29:57 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

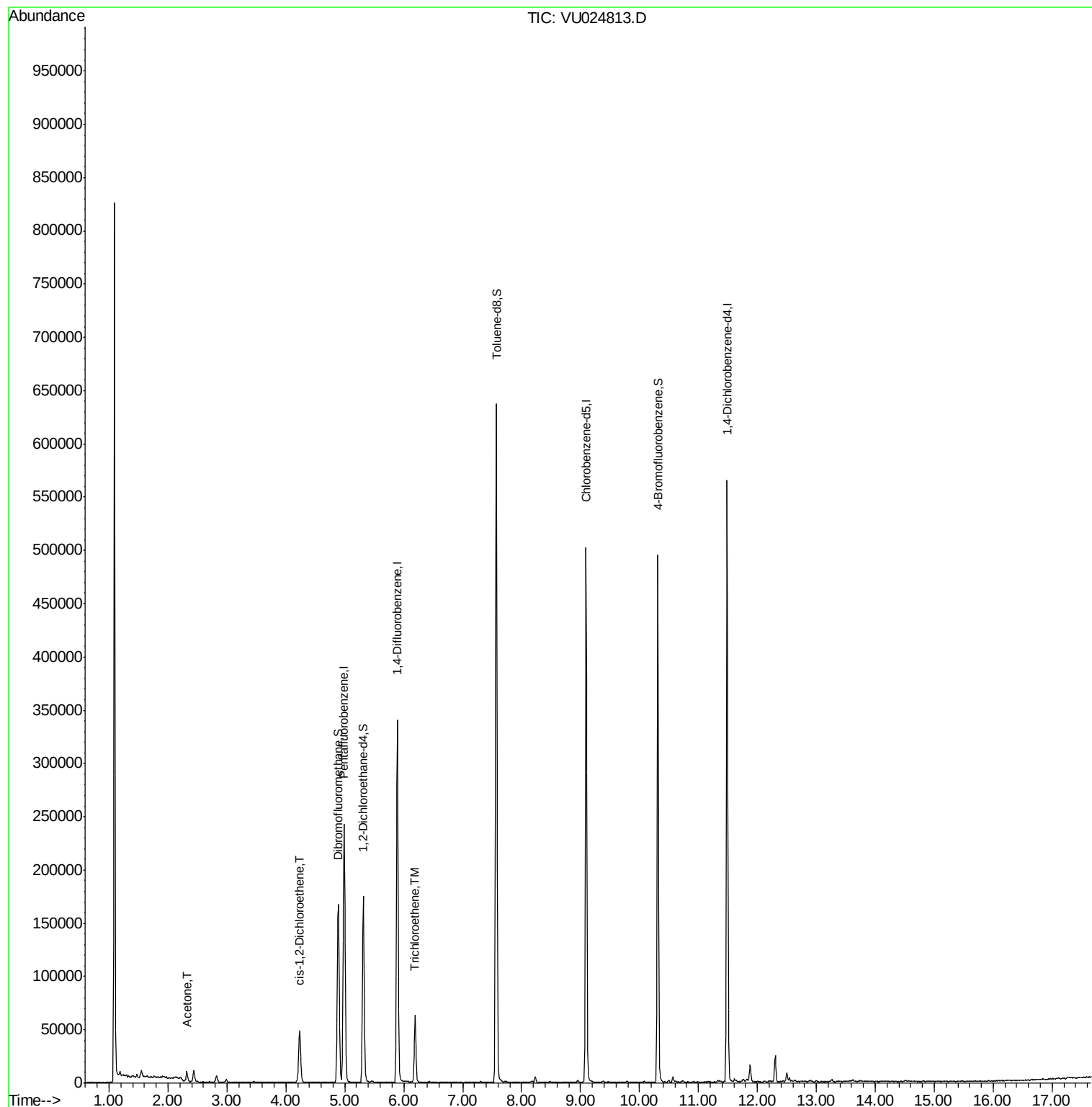
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 190644   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 291163   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 271496   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.49 | 152  | 146062   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 134362   | 43.17 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.34% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 112407   | 46.52 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.04% |          |
| 50) Toluene-d8              | 7.57  | 98   | 421085   | 47.77 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.54% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 155160   | 44.34 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.68% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.32  | 43   | 10094    | 6.04  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene  | 4.23  | 96   | 28652    | 10.42 | ug/l   | 84       |
| 44) Trichloroethene         | 6.19  | 130  | 22439    | 8.09  | ug/l   | 99       |

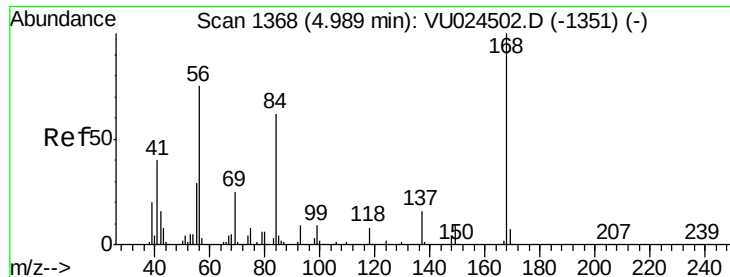
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024813.D

Acq: 21 Jun 2018 16:05

Instrument :

MSVOA\_U

ClientSampleId :

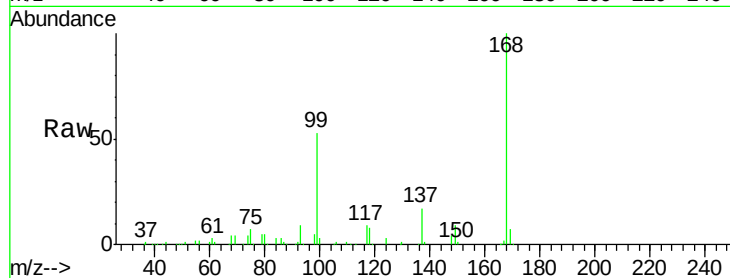
S39-0185

Tot Ion:168 Resp: 190644

Ion Ratio Lower Upper

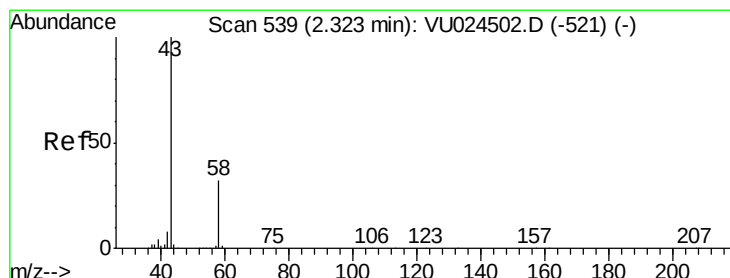
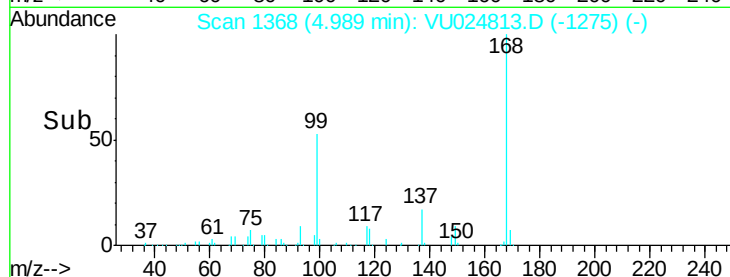
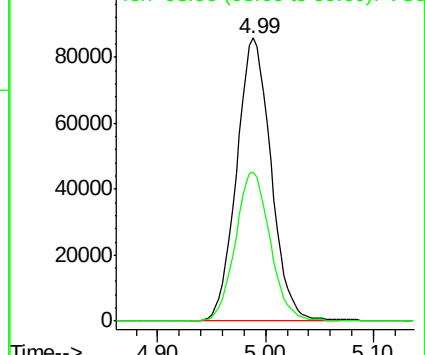
168 100

99 52.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024813.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024813.D (-1275) (-)



#16

Acetone

Concen: 6.04 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024813.D

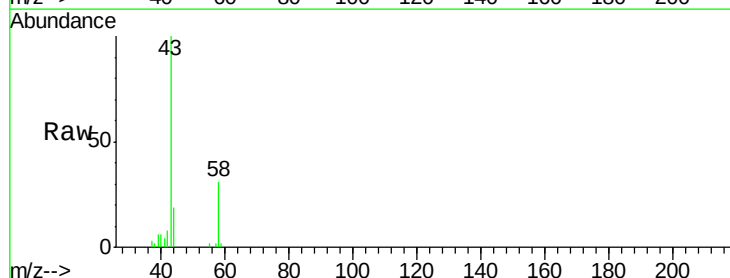
Acq: 21 Jun 2018 16:05

Tgt Ion: 43 Resp: 10094

Ion Ratio Lower Upper

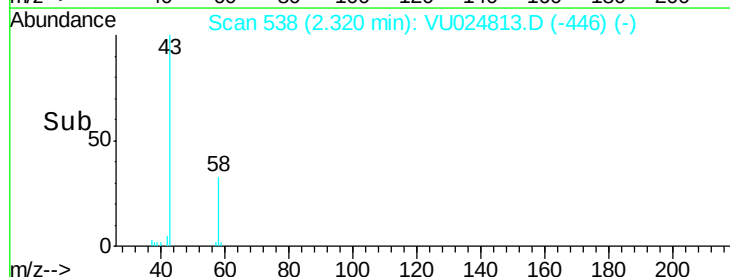
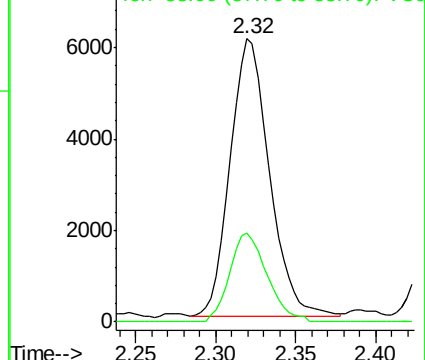
43 100

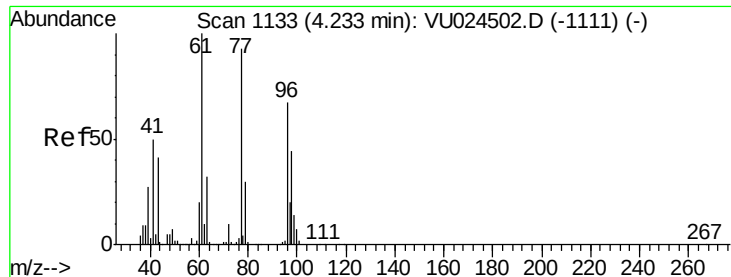
58 32.0 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024813.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024813.D (-446) (-)





#27

cis-1,2-Dichloroethene

Concen: 10.42 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024813.D

Acq: 21 Jun 2018 16:05

Instrument :

MSVOA\_U

ClientSampleId :

S39-0185

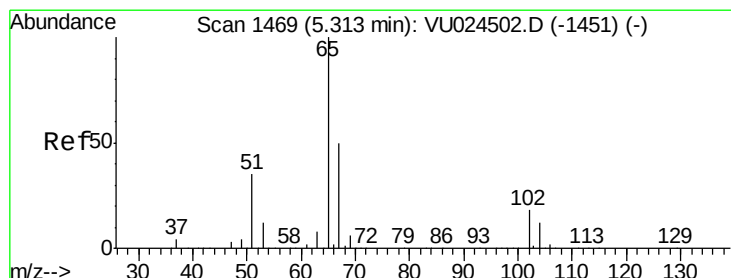
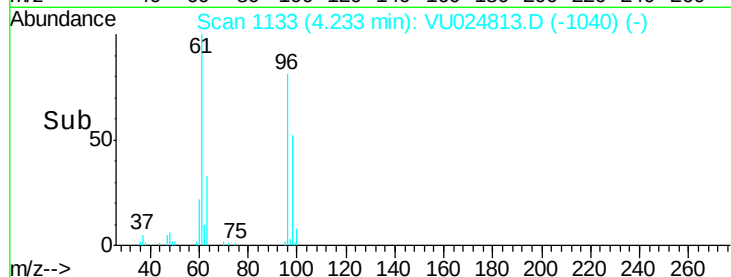
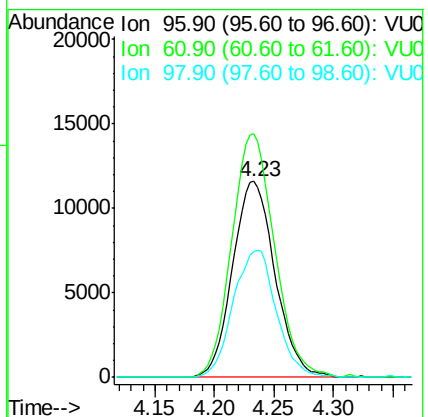
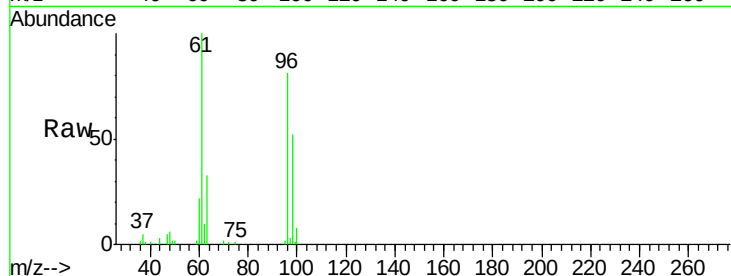
Tot Ion: 96 Resp: 28652

Ion Ratio Lower Upper

96 100

61 125.3 0.0 306.6

98 65.9 0.0 128.8



#33

1,2-Dichloroethane-d4

Concen: 43.17 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024813.D

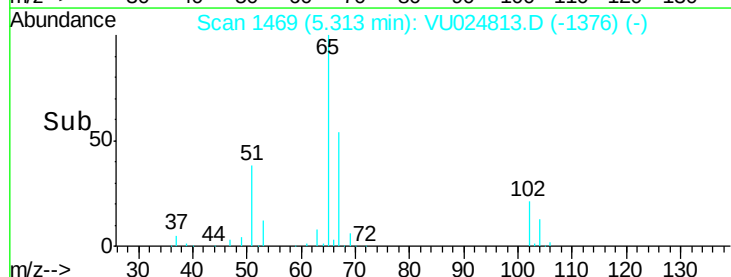
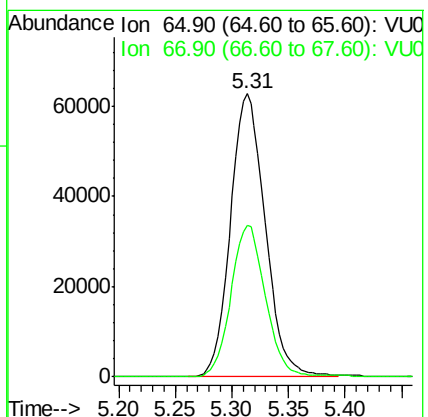
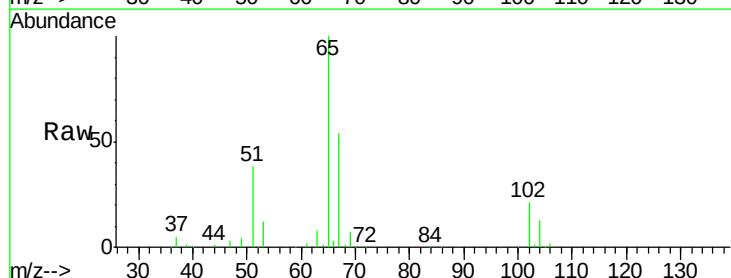
Acq: 21 Jun 2018 16:05

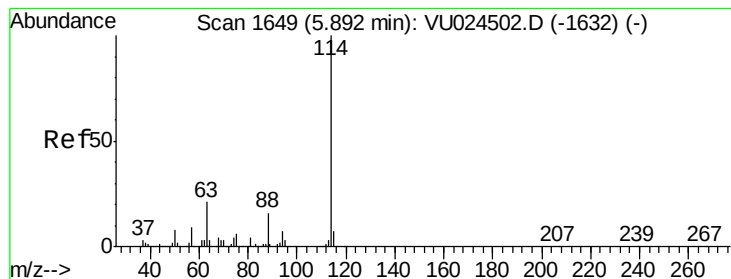
Tgt Ion: 65 Resp: 134362

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024813.D

Acq: 21 Jun 2018 16:05

Instrument :

MSVOA\_U

ClientSampleId :

S39-0185

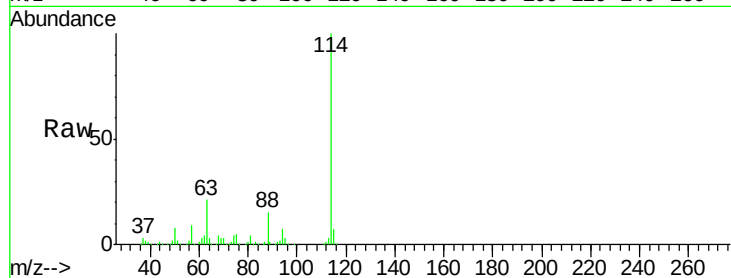
Tot Ion:114 Resp: 291163

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.4

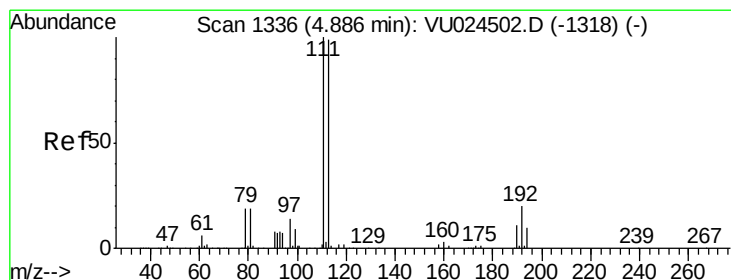
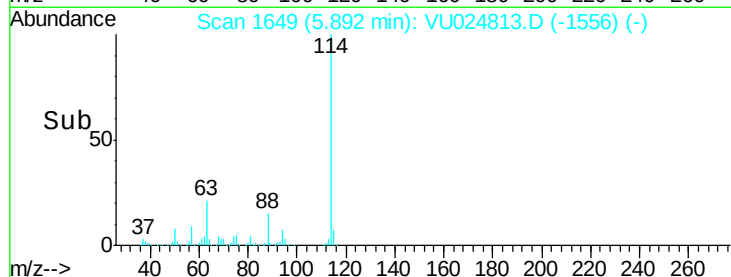
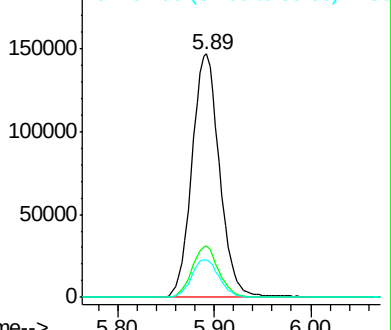
88 15.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.52 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024813.D

Acq: 21 Jun 2018 16:05

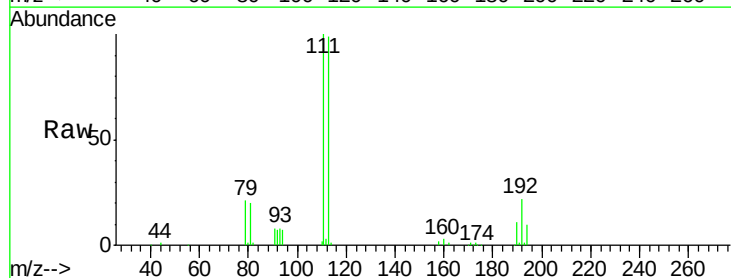
Tgt Ion:113 Resp: 112407

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

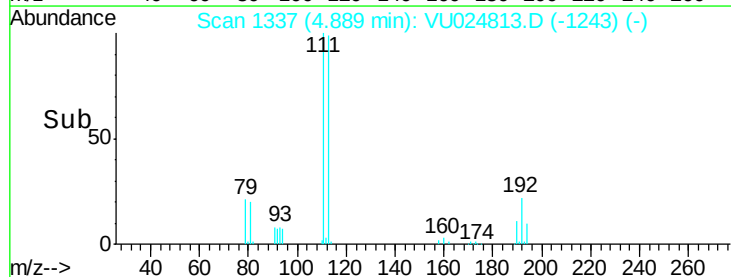
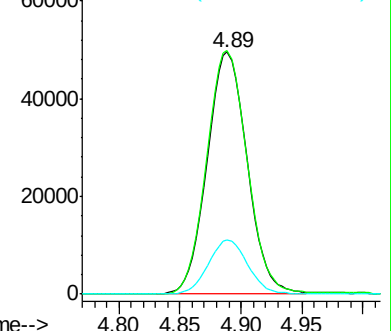
192 22.0 16.2 24.4

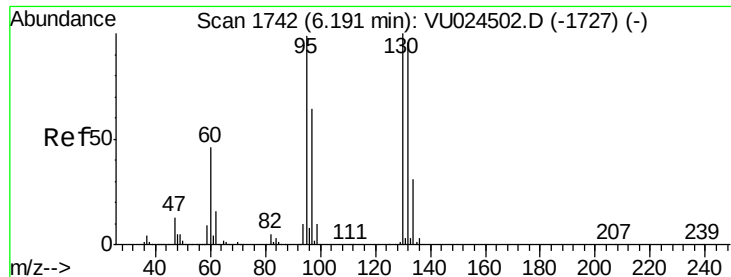


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 8.09 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024813.D

Acq: 21 Jun 2018 16:05

Instrument :

MSVOA\_U

ClientSampleId :

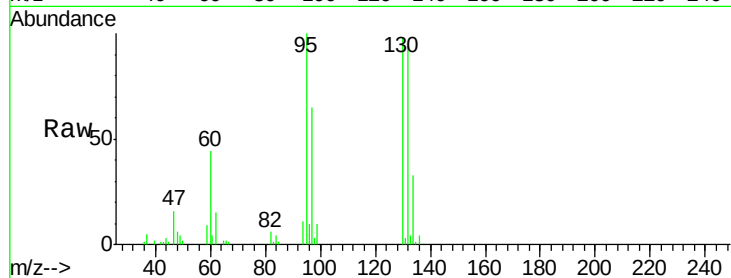
S39-0185

Tot Ion:130 Resp: 22439

Ion Ratio Lower Upper

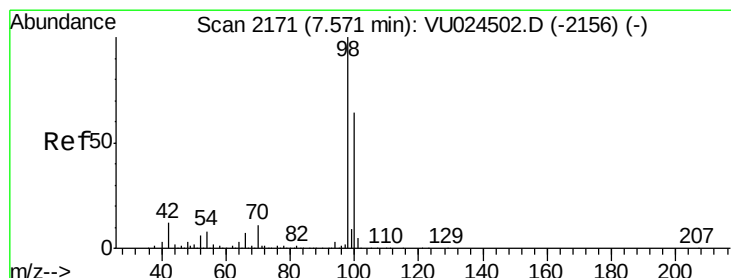
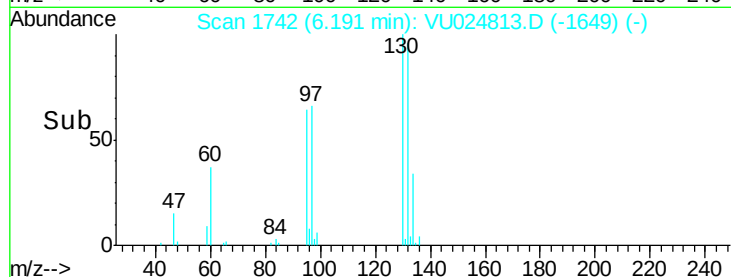
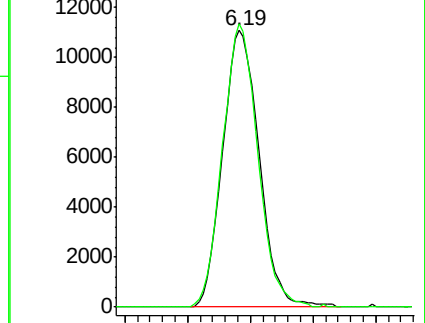
130 100

95 102.2 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 47.77 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024813.D

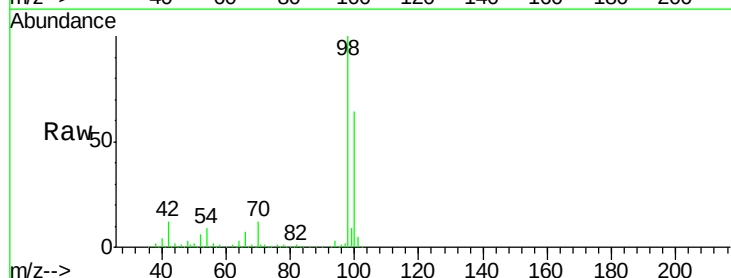
Acq: 21 Jun 2018 16:05

Tgt Ion: 98 Resp: 421085

Ion Ratio Lower Upper

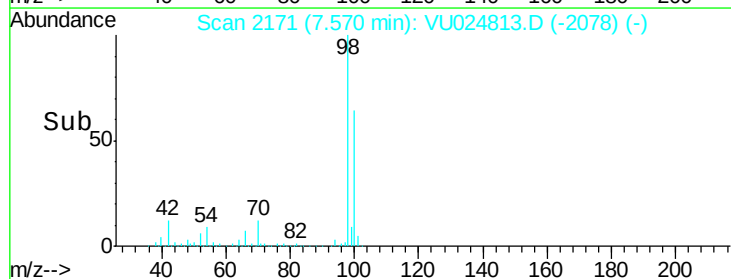
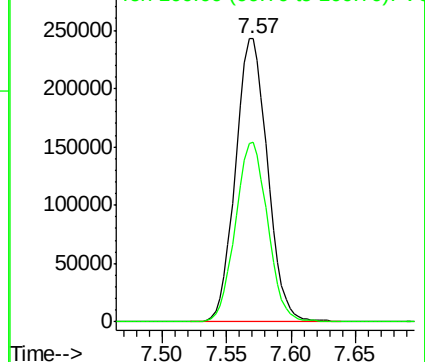
98 100

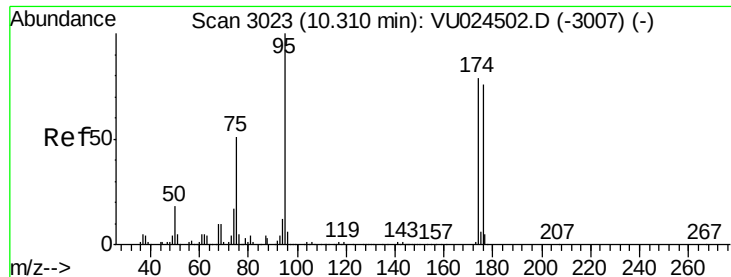
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.34 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024813.D

Acq: 21 Jun 2018 16:05

Instrument :

MSVOA\_U

ClientSampleId :

S39-0185

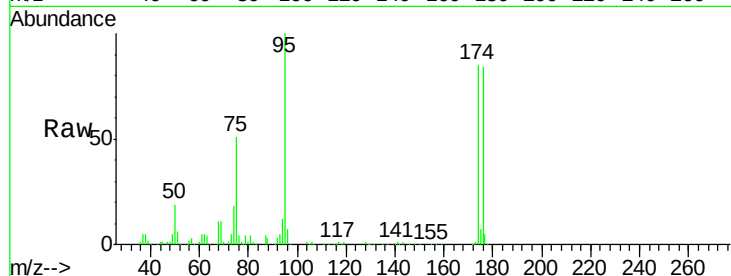
Tot Ion: 95 Resp: 155160

Ion Ratio Lower Upper

95 100

174 86.1 0.0 165.8

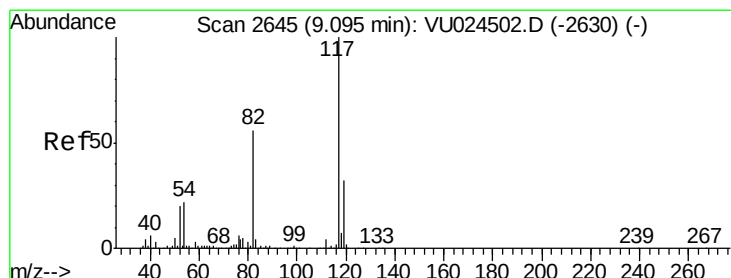
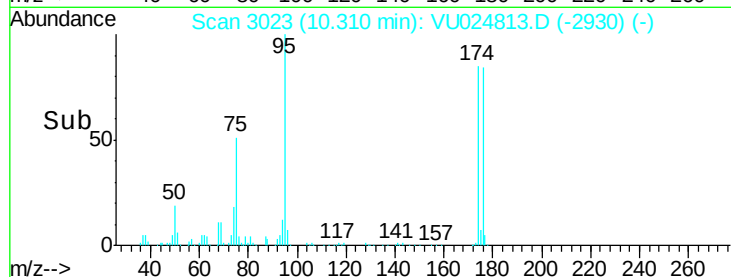
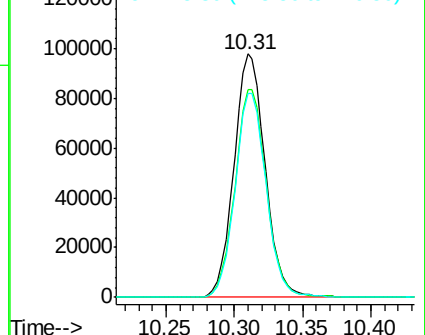
176 83.7 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU024813.D

Acq: 21 Jun 2018 16:05

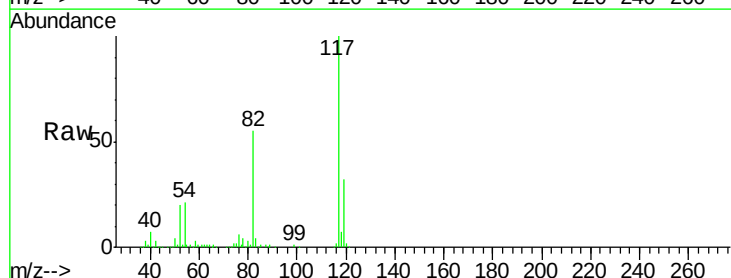
Tgt Ion: 117 Resp: 271496

Ion Ratio Lower Upper

117 100

82 54.8 44.3 66.5

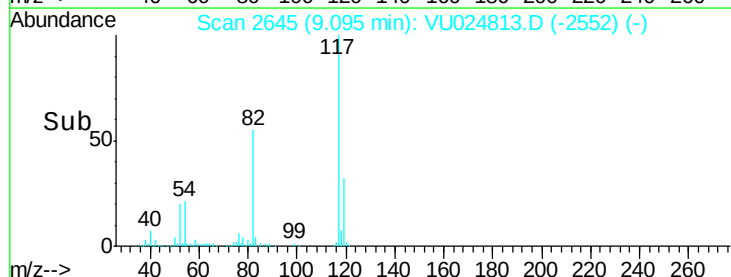
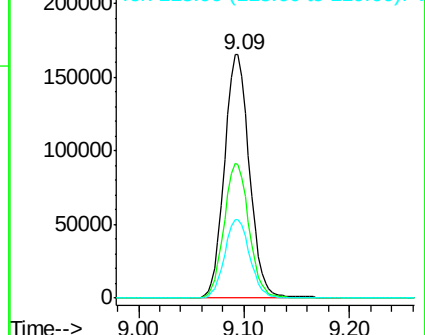
119 32.4 25.4 38.2

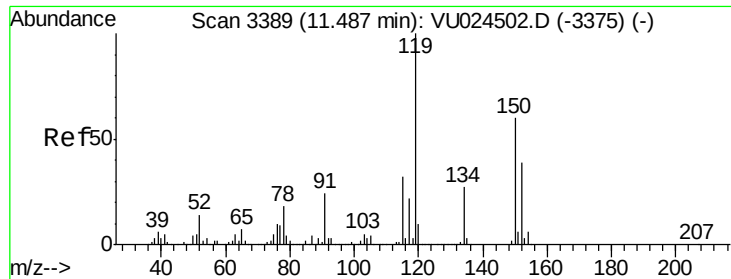


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024813.D

Acq: 21 Jun 2018 16:05

Instrument :

MSVOA\_U

ClientSampleId :

S39-0185

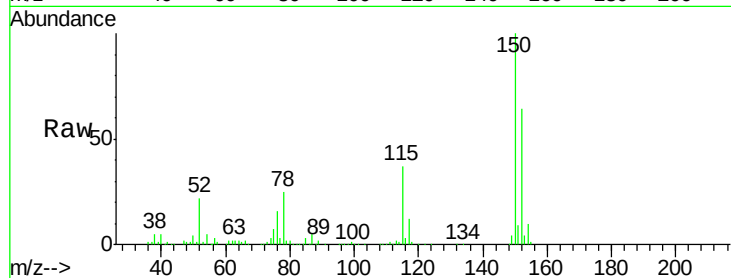
Tot Ion:152 Resp: 146062

Ion Ratio Lower Upper

152 100

115 57.6 43.0 129.0

150 156.0 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

