

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\  
 Data File : VU025145.D  
 Acq On : 02 Jul 2018 16:00  
 Operator : MD/SY  
 Sample : J3759-13DL2 1000X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 WP021MW357-180625DL2

Quant Time: Jul 03 05:07:18 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

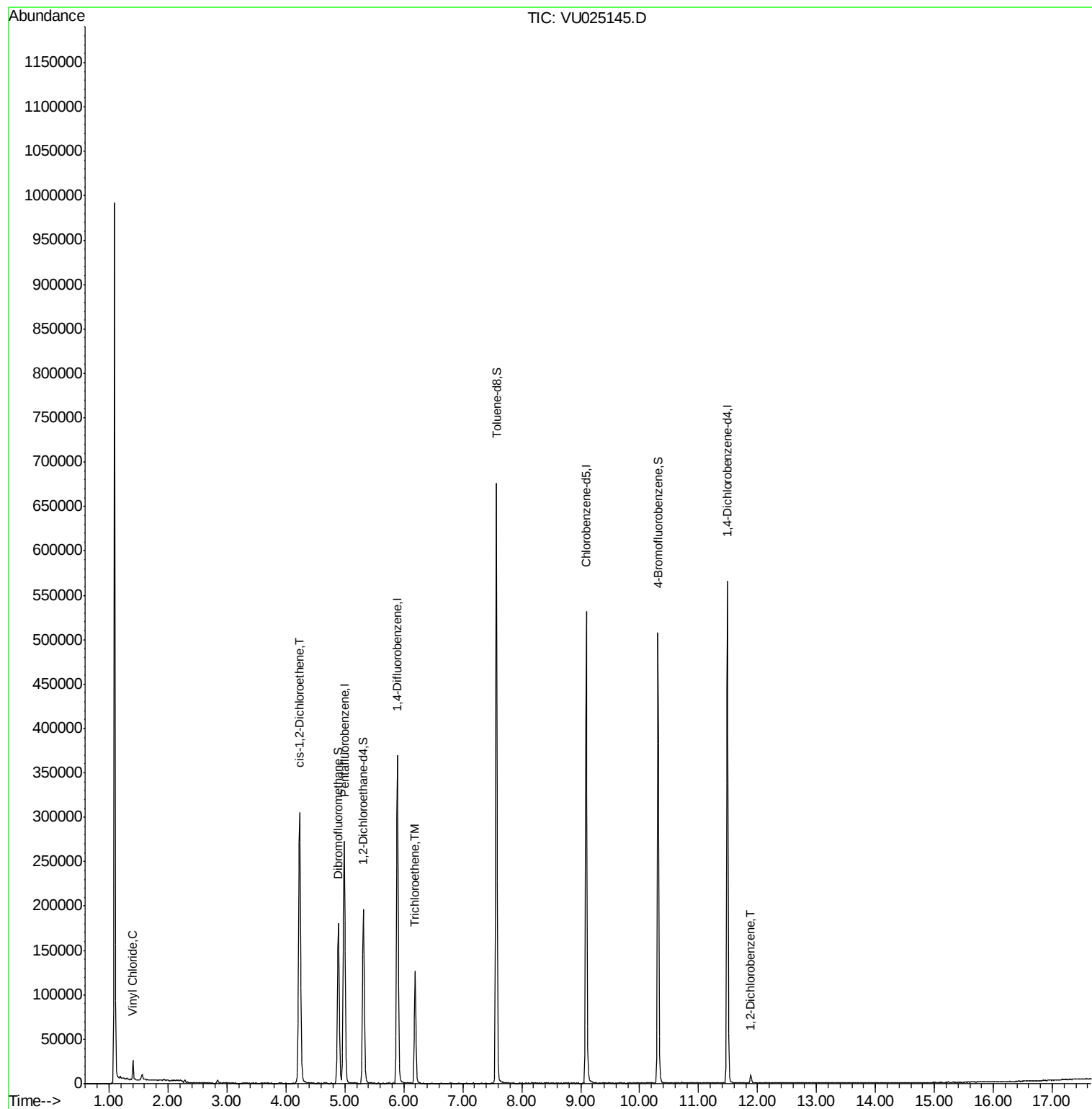
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 211564   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 312382   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 291638   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.49 | 152  | 149289   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 159922   | 46.30 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.60% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 121460   | 46.85 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.70% |          |
| 50) Toluene-d8              | 7.57  | 98   | 449314   | 47.51 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.02% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 165555   | 44.09 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.18% |          |
| Target Compounds            |       |      |          |       |        |          |
| 4) Vinyl Chloride           | 1.40  | 62   | 13183    | 4.72  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene  | 4.23  | 96   | 172401   | 56.52 | ug/l   | 90       |
| 44) Trichloroethene         | 6.19  | 130  | 44362    | 14.90 | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene     | 11.89 | 146  | 4400     | 0.82  | ug/l   | 95       |

(#) = 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

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Acq: 02 Jul 2018 16:00

Instrument :

MSVOA\_U

ClientSampleId :

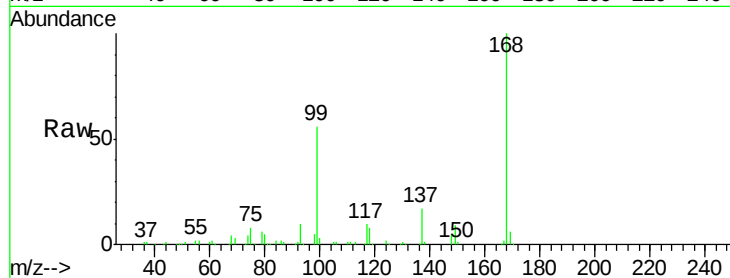
WP021MW357-180625DL2

Tot Ion:168 Resp: 211564

Ion Ratio Lower Upper

168 100

99 55.9 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D

4.99

100000

80000

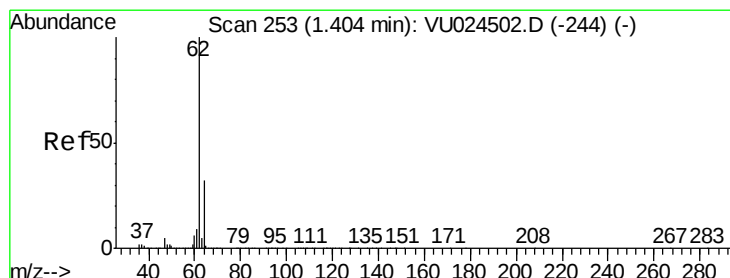
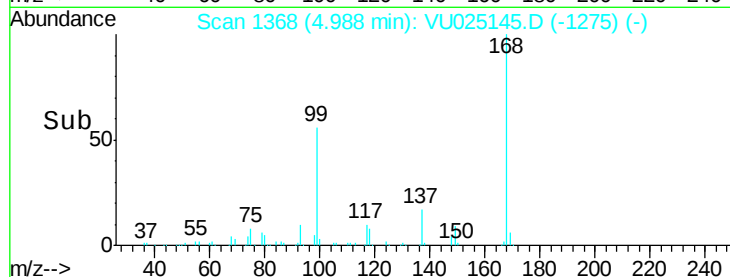
60000

40000

20000

0

Time--> 4.90 5.00 5.10



#4

Vinyl Chloride

Concen: 4.72 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025145.D

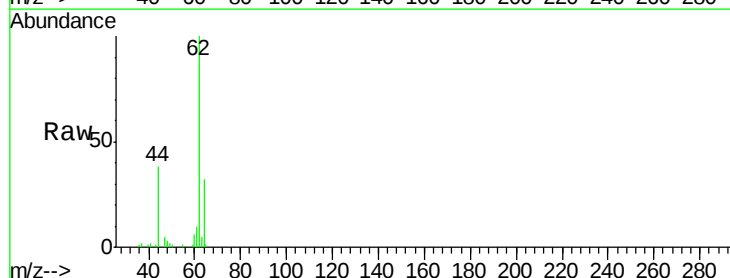
Acq: 02 Jul 2018 16:00

Tgt Ion: 62 Resp: 13183

Ion Ratio Lower Upper

62 100

64 30.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D

Ion 63.90 (63.60 to 64.60): VU024502.D

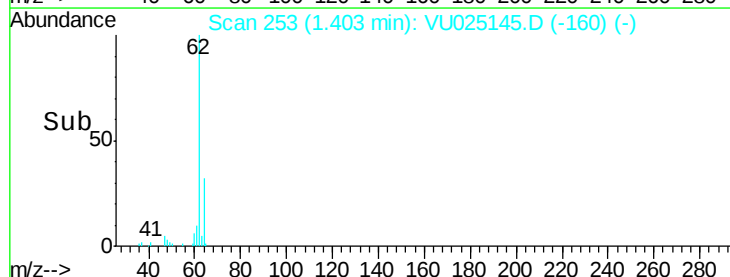
1.40

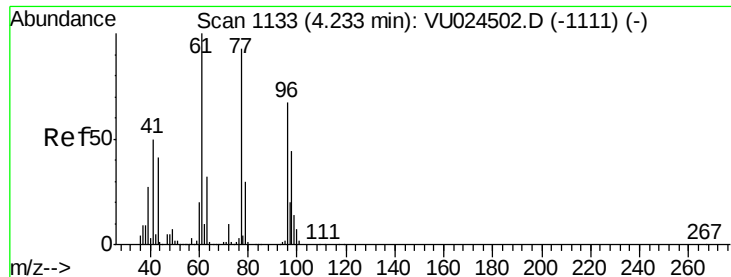
10000

5000

0

Time--> 1.35 1.40 1.45





#27

cis-1,2-Dichloroethene

Concen: 56.52 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025145.D

Acq: 02 Jul 2018 16:00

Instrument :

MSVOA\_U

ClientSampleId :

WP021MW357-180625DL2

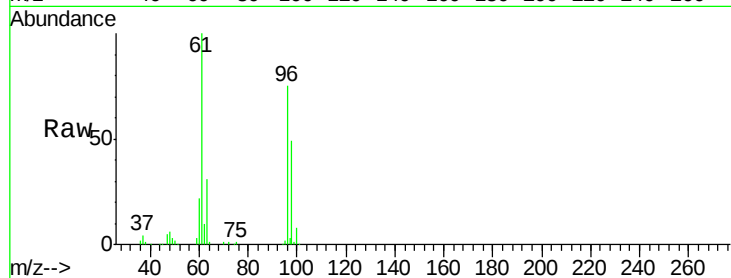
Tot Ion: 96 Resp: 172401

Ion Ratio Lower Upper

96 100

61 134.3 0.0 306.6

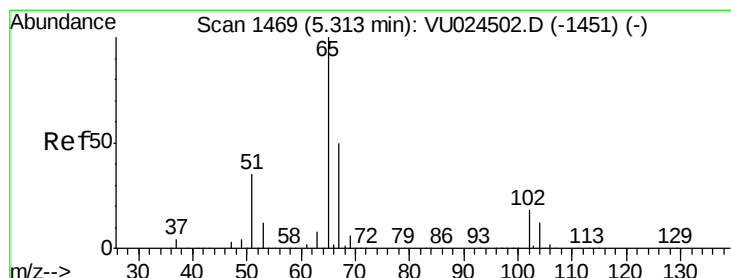
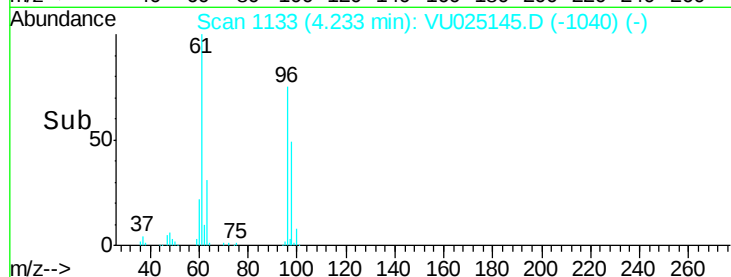
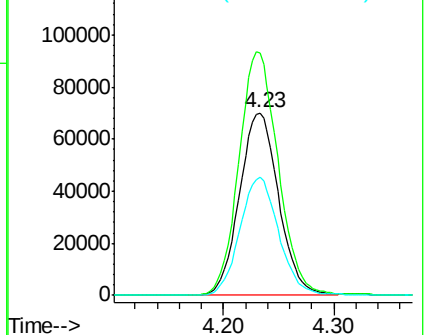
98 64.4 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU025145.D (-1040) (-)

Ion 60.90 (60.60 to 61.60): VU025145.D (-1040) (-)

Ion 97.90 (97.60 to 98.60): VU025145.D (-1040) (-)



#33

1,2-Dichloroethane-d4

Concen: 46.30 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025145.D

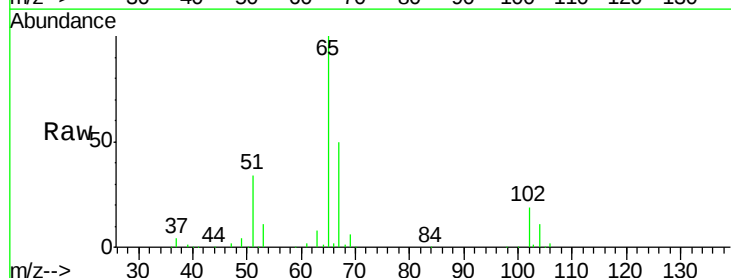
Acq: 02 Jul 2018 16:00

Tgt Ion: 65 Resp: 159922

Ion Ratio Lower Upper

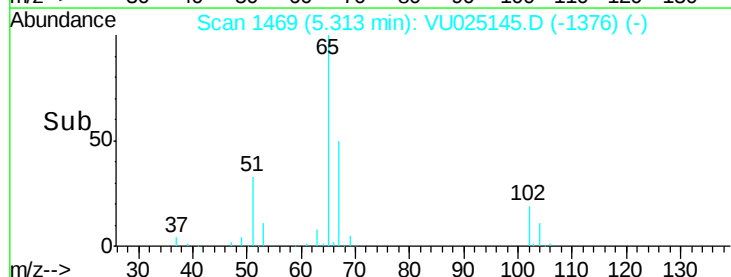
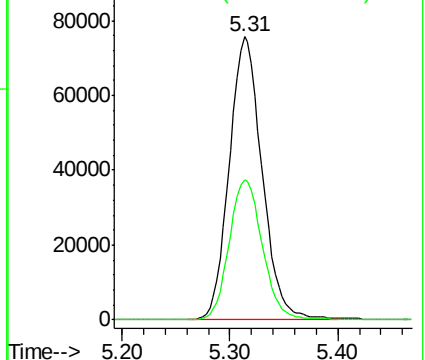
65 100

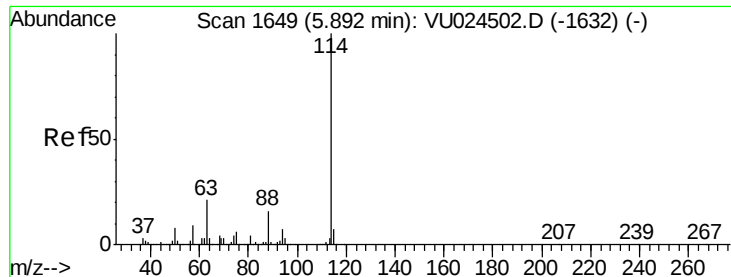
67 50.3 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU025145.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025145.D (-1376) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025145.D

Acq: 02 Jul 2018 16:00

Instrument :

MSVOA\_U

ClientSampleId :

WP021MW357-180625DL2

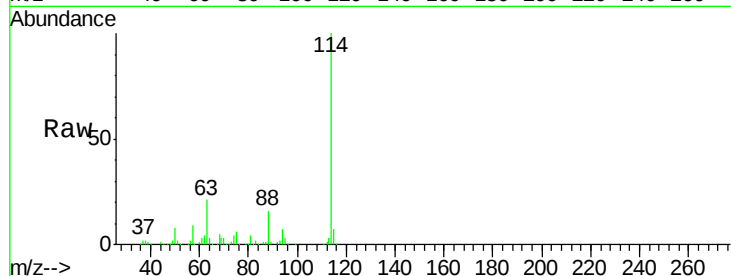
Tot Ion:114 Resp: 312382

Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.4

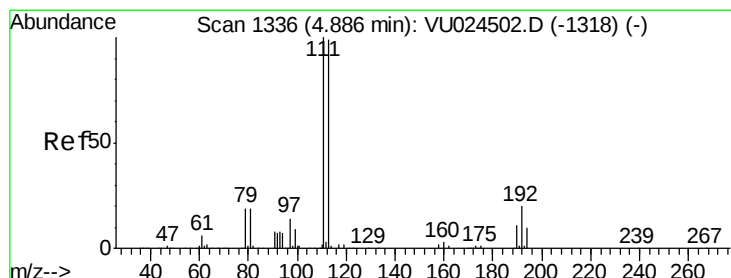
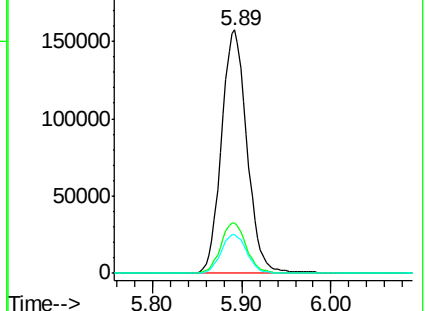
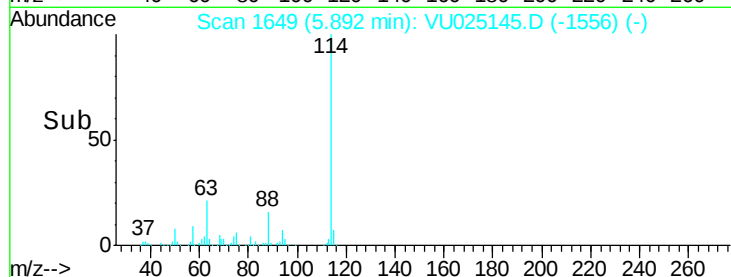
88 15.8 0.0 31.0



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: 46.85 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025145.D

Acq: 02 Jul 2018 16:00

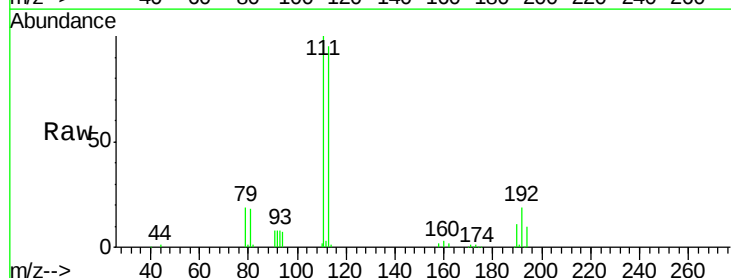
Tgt Ion:113 Resp: 121460

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

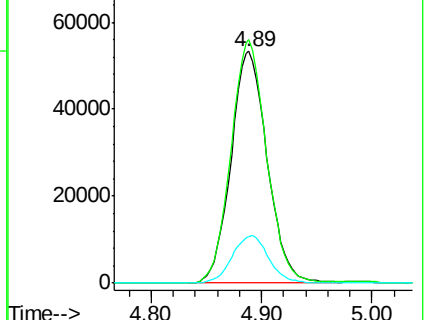
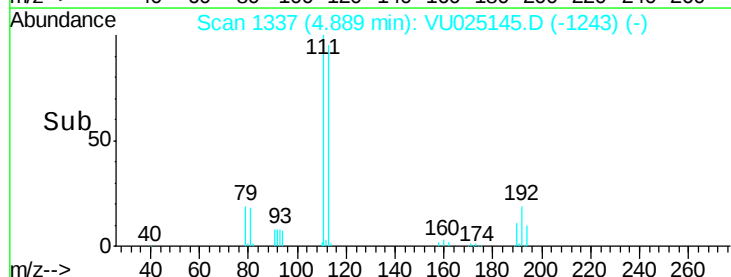
192 20.5 16.2 24.4

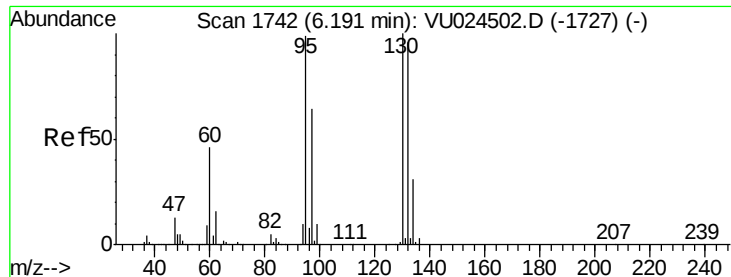


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 14.90 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025145.D

Acq: 02 Jul 2018 16:00

Instrument :

MSVOA\_U

ClientSampleId :

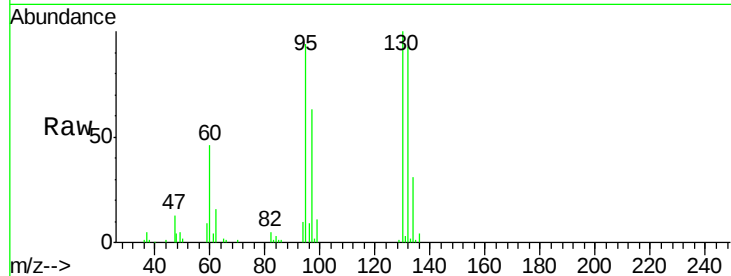
WP021MW357-180625DL2

Tot Ion:130 Resp: 44362

Ion Ratio Lower Upper

130 100

95 94.3 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

25000

20000

15000

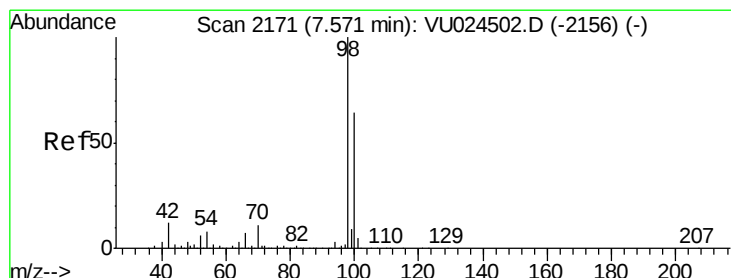
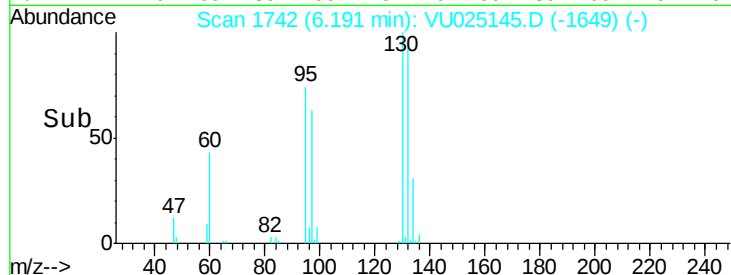
10000

5000

0

Time-->

6.10 6.15 6.20 6.25



#50

Toluene-d8

Concen: 47.51 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025145.D

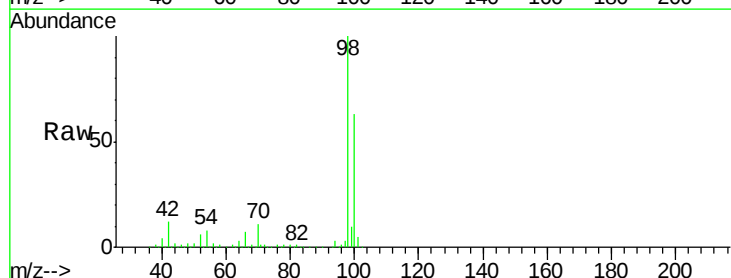
Acq: 02 Jul 2018 16:00

Tgt Ion: 98 Resp: 449314

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

7.57

300000

250000

200000

150000

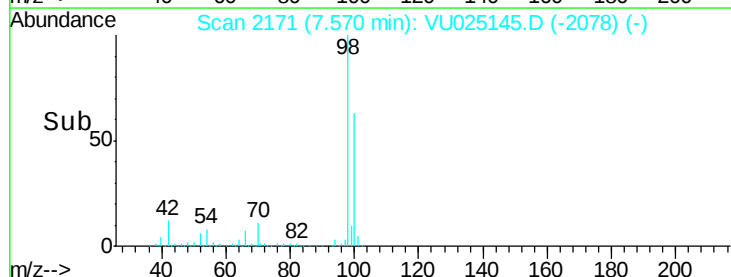
100000

50000

0

Time-->

7.50 7.60 7.70

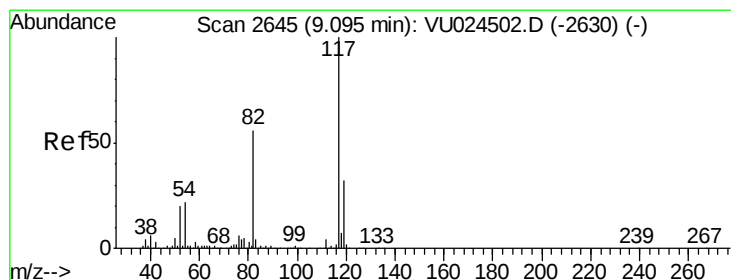
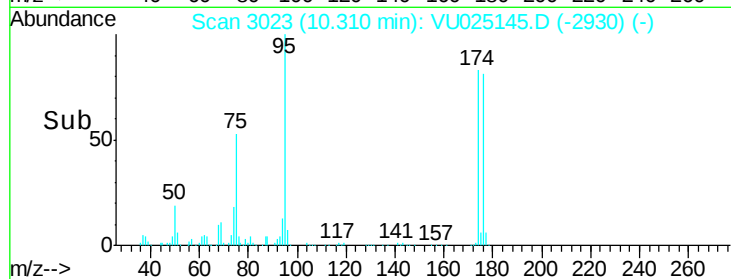
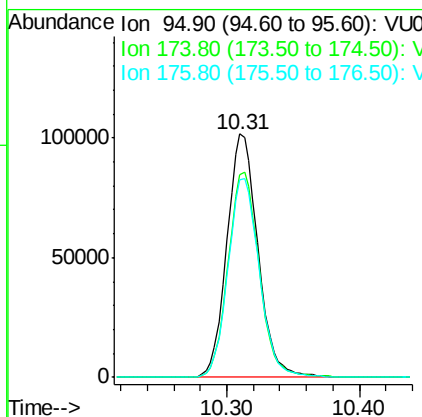
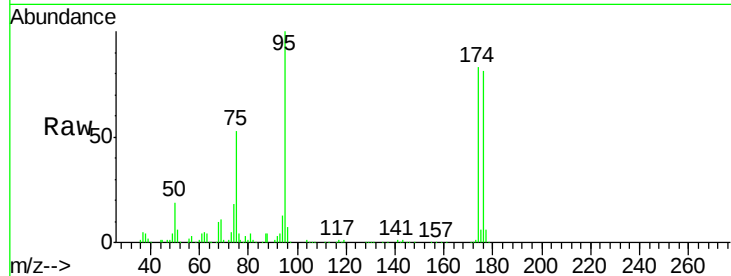




#62  
4-Bromofluorobenzene  
Concen: 44.09 ug/l  
RT: 10.31 min Scan# 3023  
Delta R.T. -0.00 min  
Lab File: VU025145.D  
Acq: 02 Jul 2018 16:00

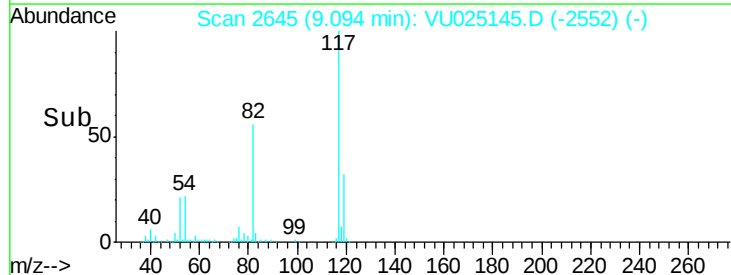
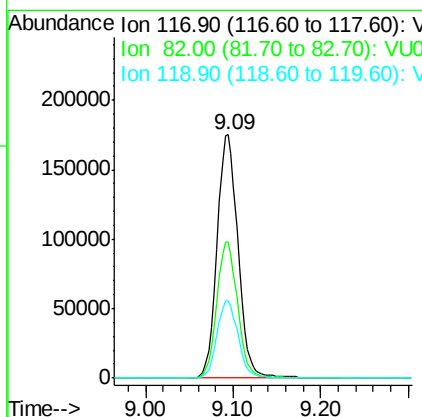
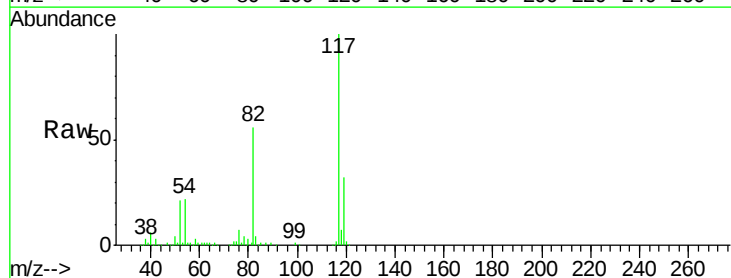
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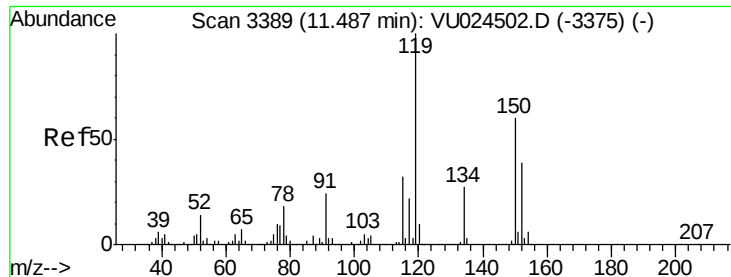
| Tot Ion   | 95    | Resp  | 165555 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 84.4  | 0.0   | 165.8  |
| 176       | 82.5  | 0.0   | 159.4  |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2645  
Delta R.T. -0.00 min  
Lab File: VU025145.D  
Acq: 02 Jul 2018 16:00

| Tgt Ion   | 117   | Resp  | 291638 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 55.6  | 44.3  | 66.5   |
| 119       | 32.0  | 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: VU025145.D

Acq: 02 Jul 2018 16:00

Instrument :

MSVOA\_U

ClientSampleId :

WP021MW357-180625DL2

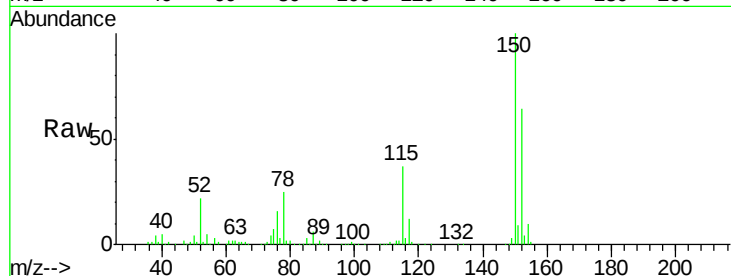
Tot Ion:152 Resp: 149289

Ion Ratio Lower Upper

152 100

115 57.5 43.0 129.0

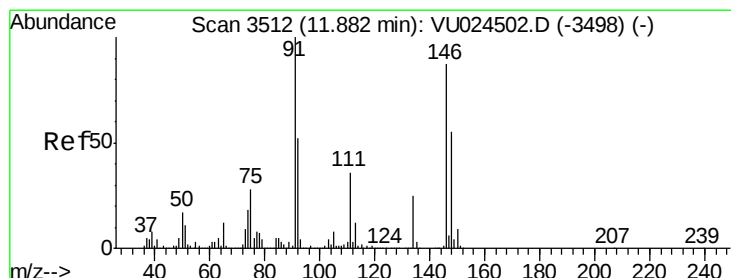
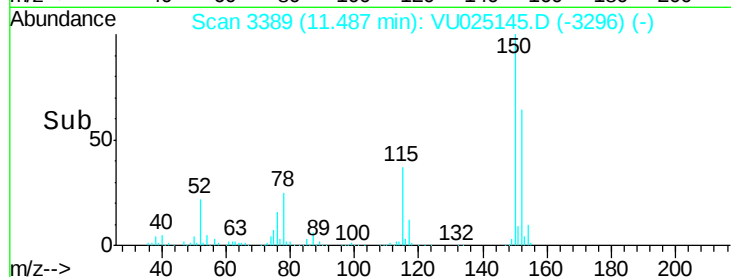
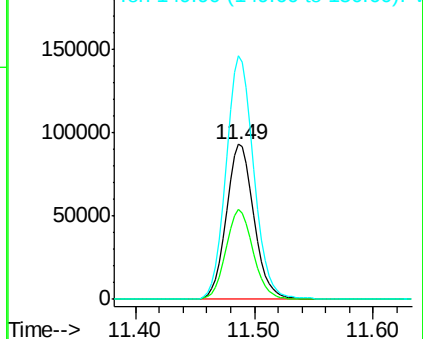
150 157.7 0.0 354.0



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



#91

1,2-Dichlorobenzene

Concen: 0.82 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025145.D

Acq: 02 Jul 2018 16:00

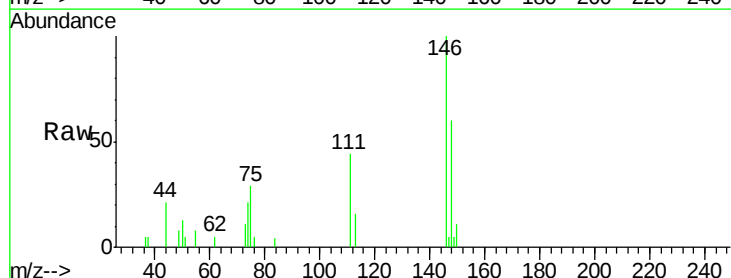
Tgt Ion:146 Resp: 4400

Ion Ratio Lower Upper

146 100

111 40.3 20.5 61.6

148 58.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

