

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\  
 Data File : VU024915.D  
 Acq On : 26 Jun 2018 07:51  
 Operator : MD/SY  
 Sample : J3669-24ME 200X  
 Misc : 4.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 WP021SB479-29-31-180620ME

Quant Time: Jun 26 08:57:44 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

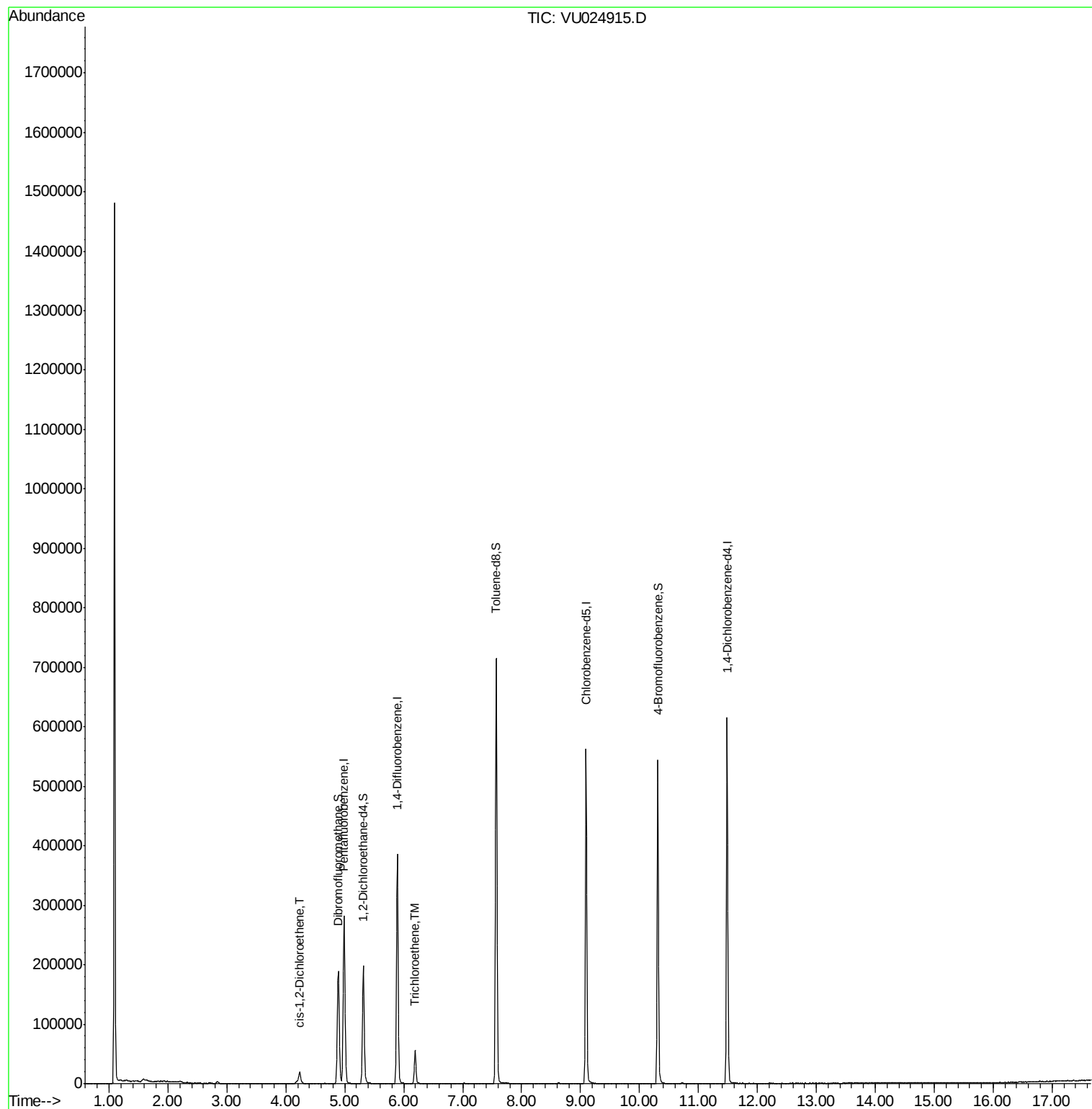
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 216163   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 328012   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 305166   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.49 | 152  | 162982   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 160620   | 45.52 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.04% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 126386   | 46.43 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.86% |          |
| 50) Toluene-d8              | 7.57  | 98   | 473566   | 47.69 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.38% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 175370   | 44.48 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.96% |          |
| Target Compounds            |       |      |          |       |        |          |
| 27) cis-1,2-Dichloroethene  | 4.23  | 96   | 10671    | 3.42  | ug/l   | 88       |
| 44) Trichloroethene         | 6.19  | 130  | 19987    | 6.39  | ug/l   | 92       |

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

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MSVOA\_U  
ClientSampleId :  
WP021SB479-29-31-180620ME

Quant Time: Jun 26 08:57:44 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260  
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: VU024915.D

Acq: 26 Jun 2018 07:51

Instrument :

MSVOA\_U

ClientSampleId :

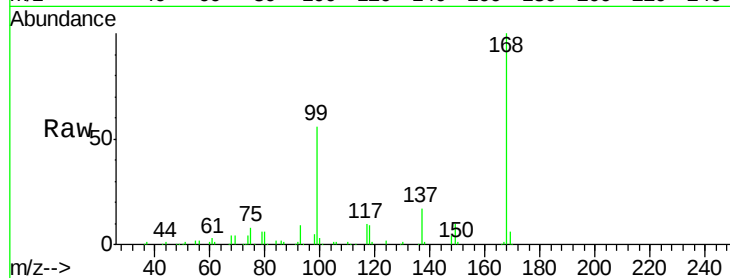
WP021SB479-29-31-180620ME

Tot Ion:168 Resp: 216163

Ion Ratio Lower Upper

168 100

99 56.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

100000

80000

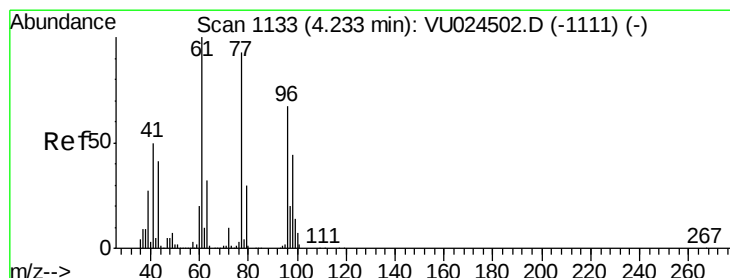
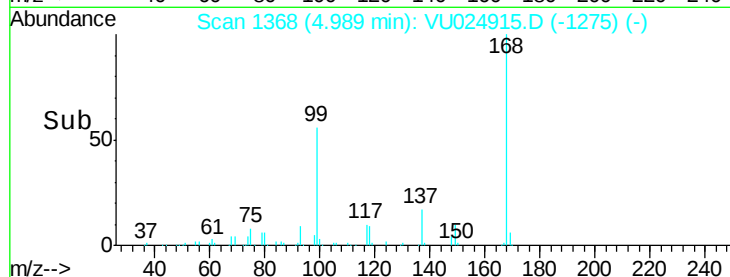
60000

40000

20000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 3.42 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024915.D

Acq: 26 Jun 2018 07:51

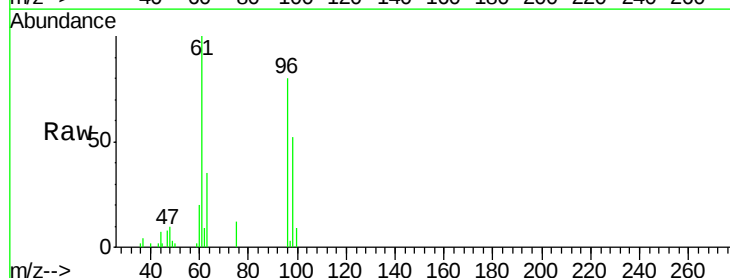
Tgt Ion: 96 Resp: 10671

Ion Ratio Lower Upper

96 100

61 131.9 0.0 306.6

98 64.2 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

4.23

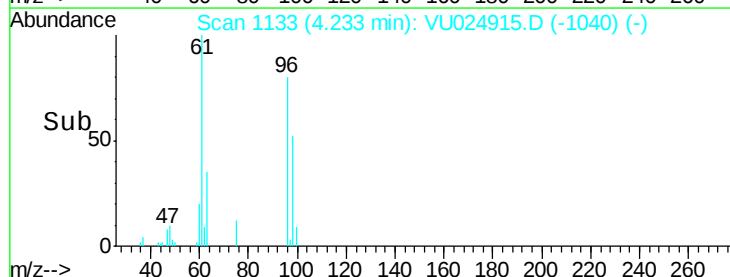
6000

4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 45.52 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024915.D

Acq: 26 Jun 2018 07:51

Instrument :

MSVOA\_U

ClientSampleId :

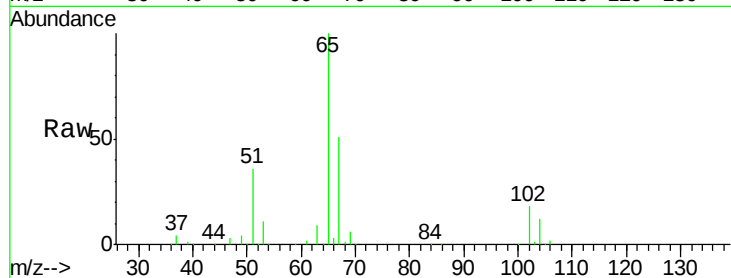
WP021SB479-29-31-180620ME

Tot Ion: 65 Resp: 160620

Ion Ratio Lower Upper

65 100

67 51.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

5.31

80000

60000

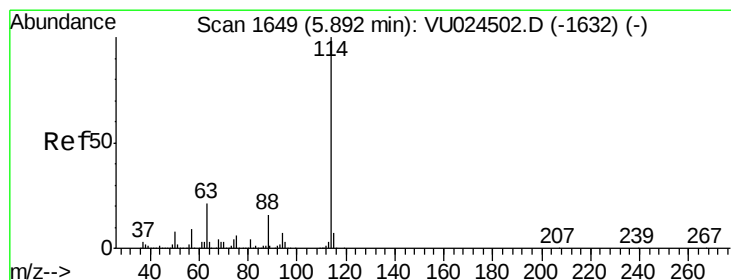
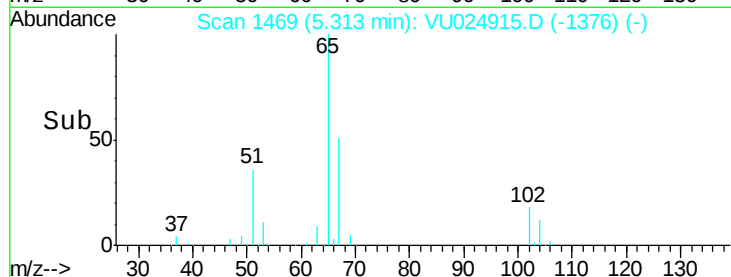
40000

20000

0

Time-->

5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024915.D

Acq: 26 Jun 2018 07:51

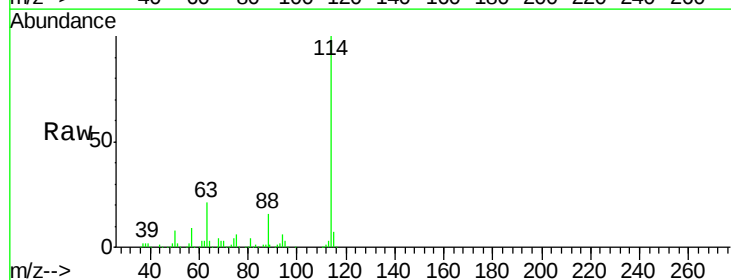
Tgt Ion: 114 Resp: 328012

Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.4

88 15.9 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

5.89

200000

150000

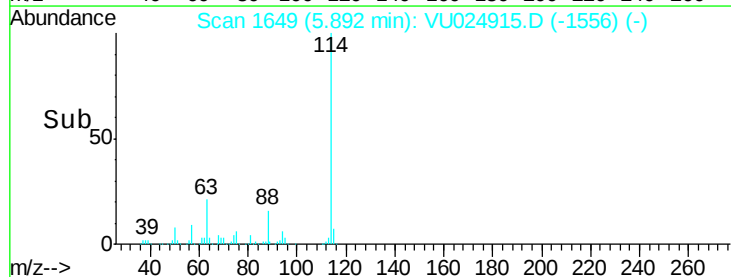
100000

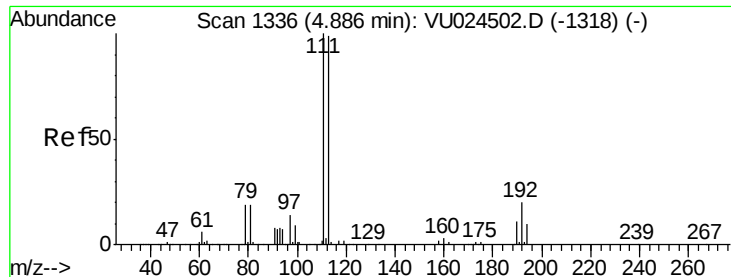
50000

0

Time-->

5.80 5.90 6.00

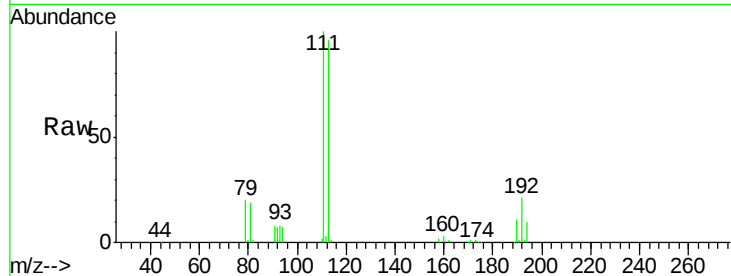




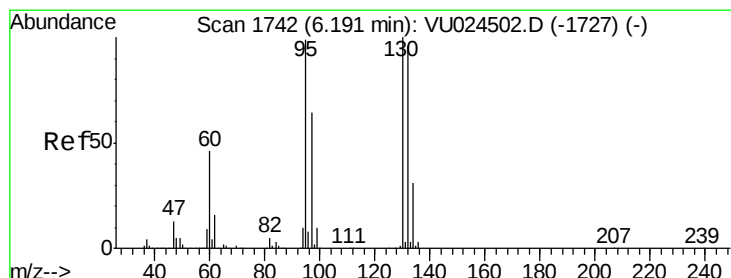
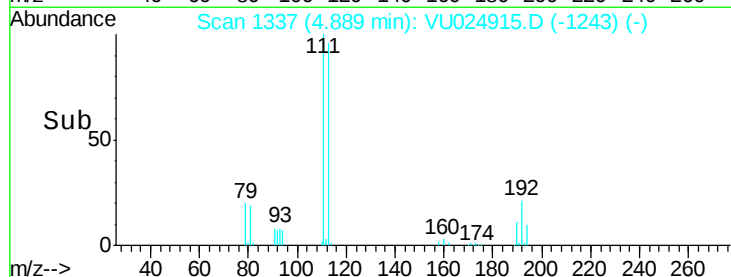
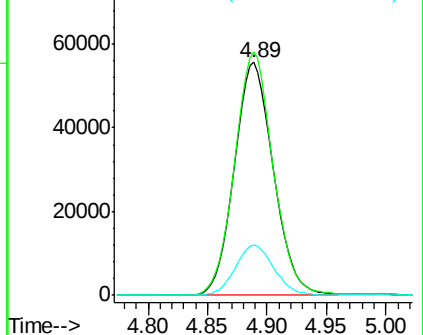
#35  
 Dibromofluoromethane  
 Concen: 46.43 ug/l  
 RT: 4.89 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VU024915.D  
 Acq: 26 Jun 2018 07:51

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 WP021SB479-29-31-180620ME

Tot Ion:113 Resp: 126386  
 Ion Ratio Lower Upper  
 113 100  
 111 103.6 82.2 123.4  
 192 21.6 16.2 24.4

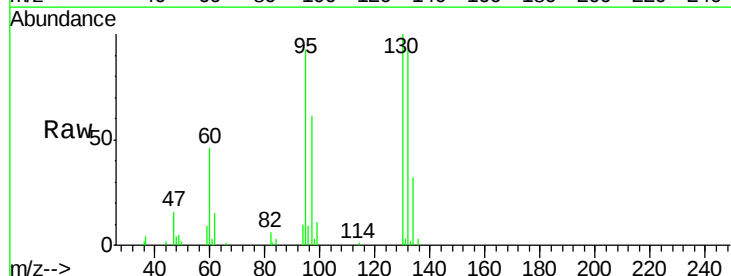


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

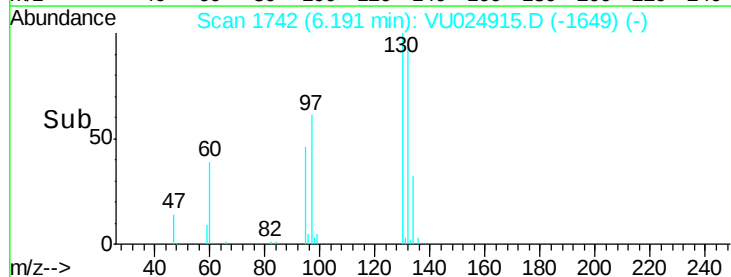
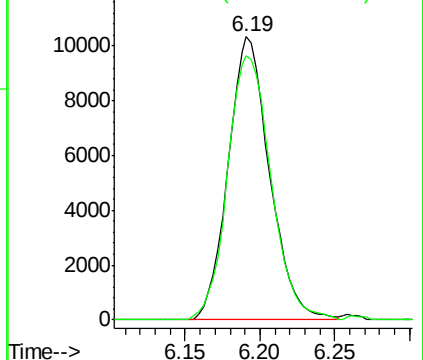


#44  
 Trichloroethene  
 Concen: 6.39 ug/l  
 RT: 6.19 min Scan# 1742  
 Delta R.T. -0.00 min  
 Lab File: VU024915.D  
 Acq: 26 Jun 2018 07:51

Tgt Ion:130 Resp: 19987  
 Ion Ratio Lower Upper  
 130 100  
 95 93.3 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VU0

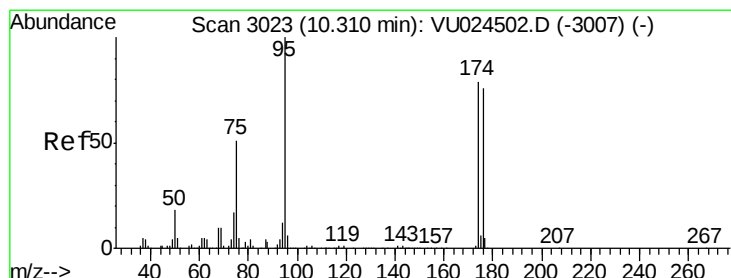
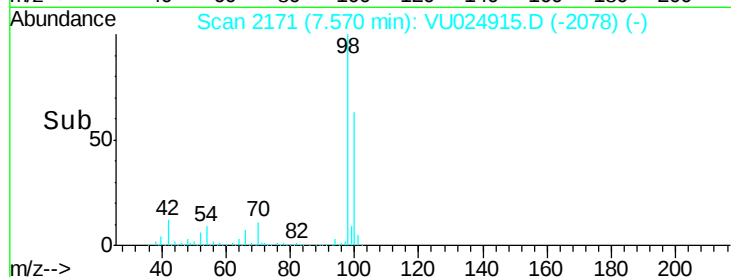
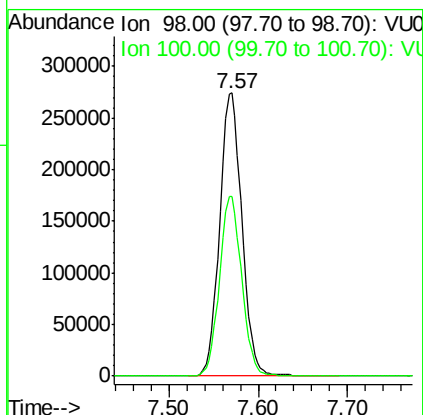
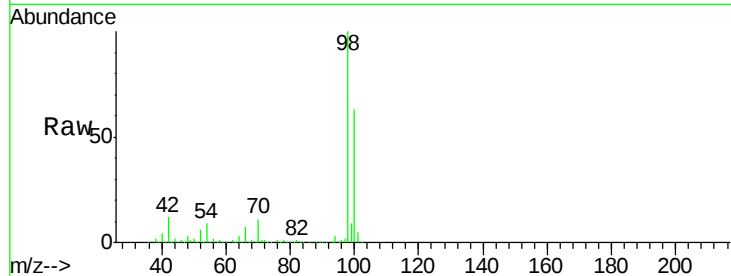




#50  
Toluene-d8  
Concen: 47.69 ug/l  
RT: 7.57 min Scan# 2171  
Delta R.T. -0.00 min  
Lab File: VU024915.D  
Acq: 26 Jun 2018 07:51

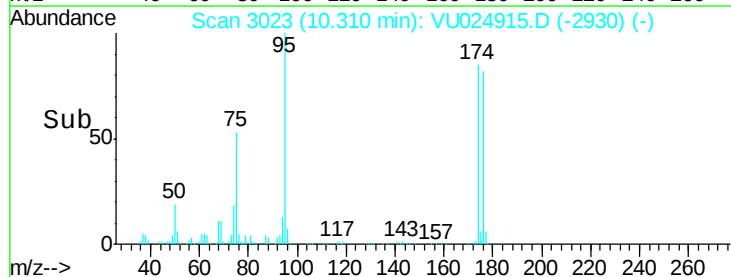
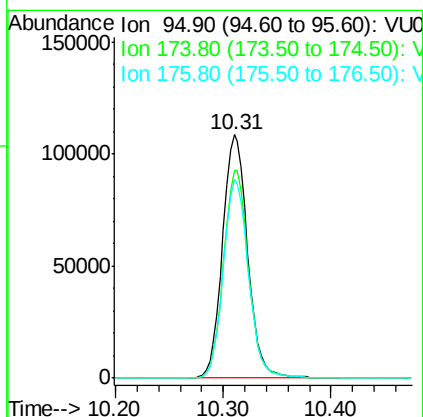
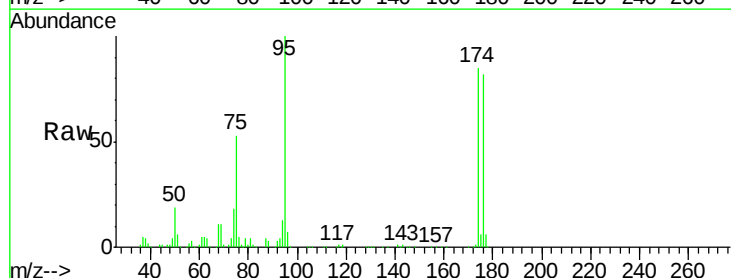
Instrument :  
MSVOA\_U  
ClientSampleId :  
WP021SB479-29-31-180620ME

Tot Ion: 98 Resp: 473566  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.1 76.7



#62  
4-Bromofluorobenzene  
Concen: 44.48 ug/l  
RT: 10.31 min Scan# 3023  
Delta R.T. -0.00 min  
Lab File: VU024915.D  
Acq: 26 Jun 2018 07:51

Tgt Ion: 95 Resp: 175370  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 165.8  
176 82.0 0.0 159.4

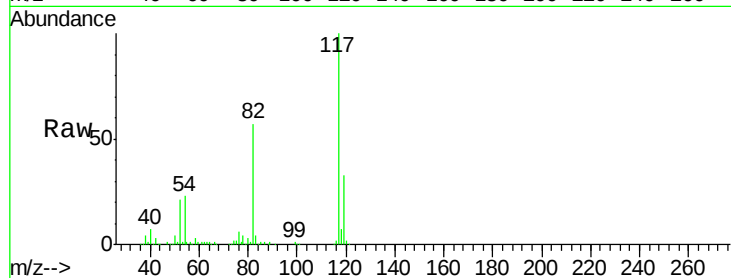




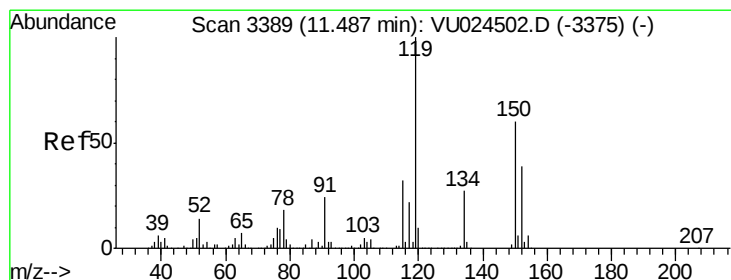
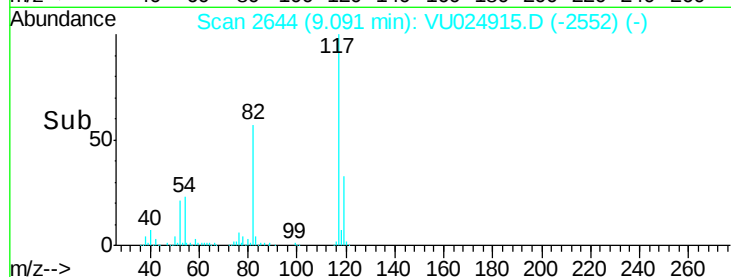
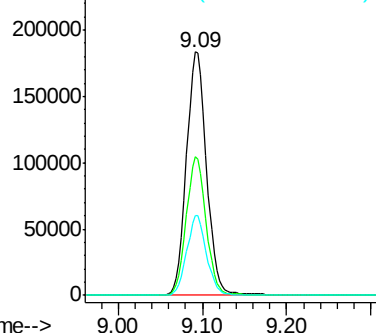
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VU024915.D  
Acq: 26 Jun 2018 07:51

Instrument :  
MSVOA\_U  
ClientSampleId :  
WP021SB479-29-31-180620ME

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.9  | 44.3  | 66.5  |
| 119     | 32.8  | 25.4  | 38.2  |

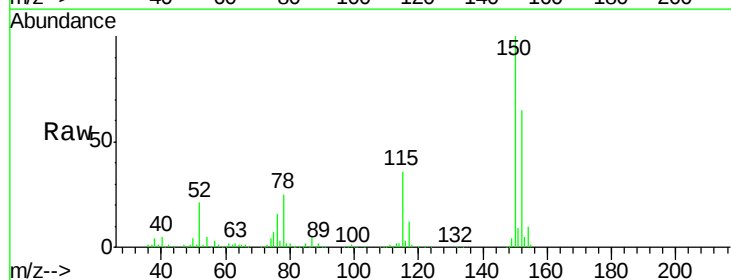


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.49 min Scan# 3389  
Delta R.T. -0.00 min  
Lab File: VU024915.D  
Acq: 26 Jun 2018 07:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.2  | 43.0  | 129.0 |
| 150     | 156.2 | 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

