

Data File : VU024957.D  
Acq On : 27 Jun 2018 11:18  
Operator : MD/SY  
Sample : VU0627MBL03  
Misc : 5.00g/10mL/100uL/5.00ML/MSVOA\_U/MEOH  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0627MBL03

Quant Time: Jun 27 13:43:44 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  | 237488   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 354131   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 328700   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 178820   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65  | 177730   | 45.84 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.68% |      |
| 35) Dibromofluoromethane    | 4.89   | 113 | 138113   | 46.99 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.98% |      |
| 50) Toluene-d8              | 7.57   | 98  | 510624   | 47.63 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.26% |      |
| 62) 4-Bromofluorobenzene    | 10.31  | 95  | 189914   | 44.62 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.24% |      |

| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

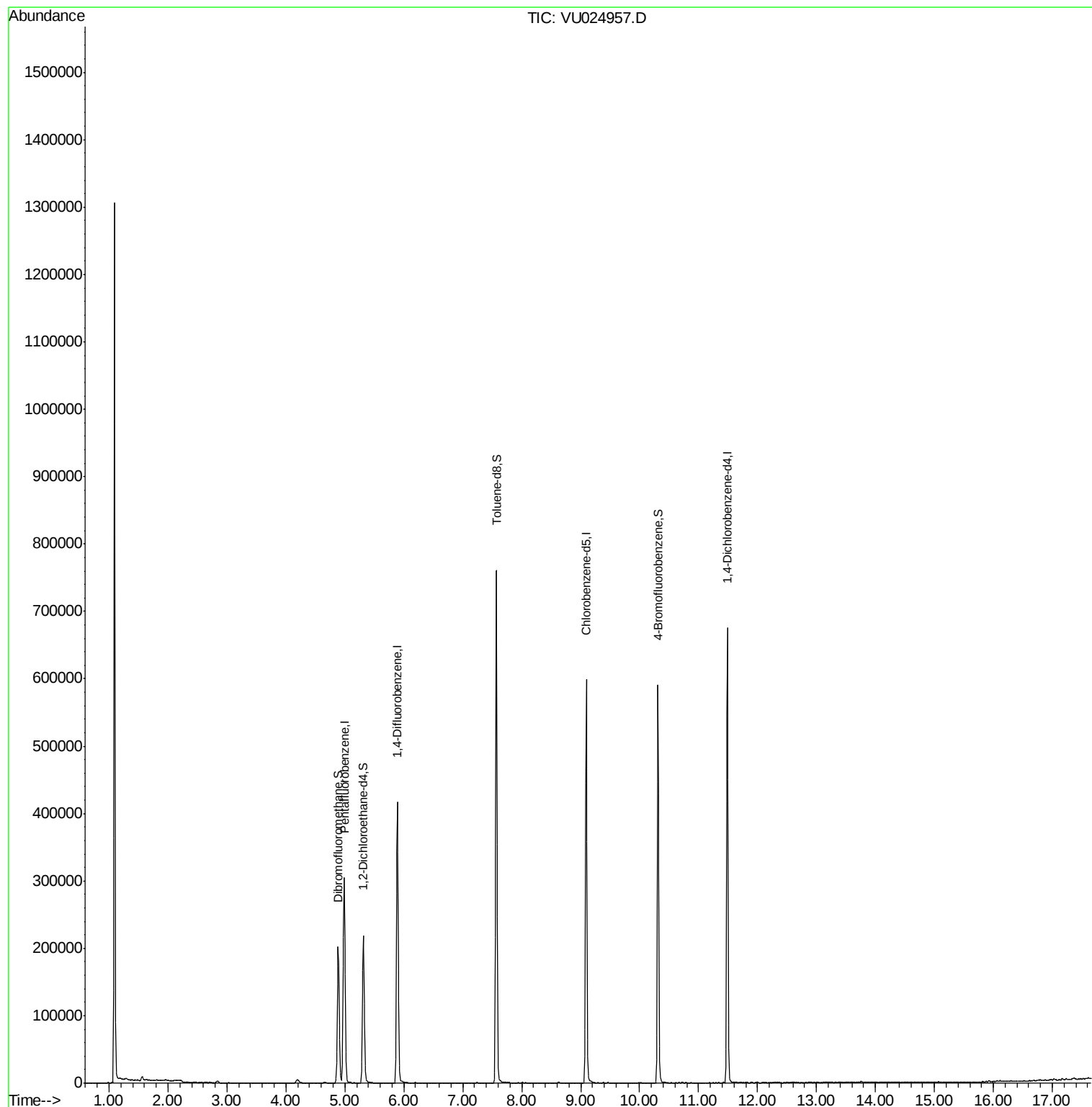
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024957.D

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Instrument :

MSVOA\_U

ClientSampleId :

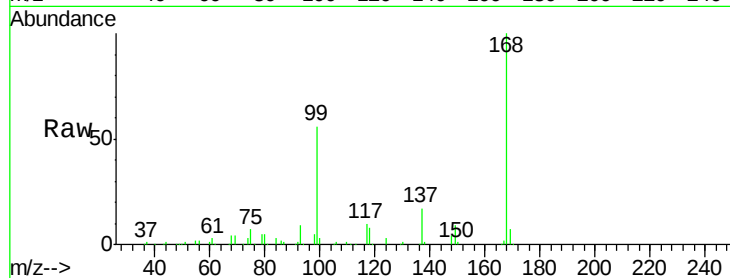
VU0627MBL03

Tgt Ion:168 Resp: 237488

Ion Ratio Lower Upper

168 100

99 56.2 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

120000

100000

80000

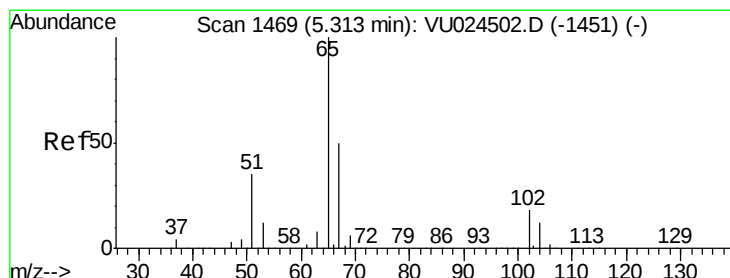
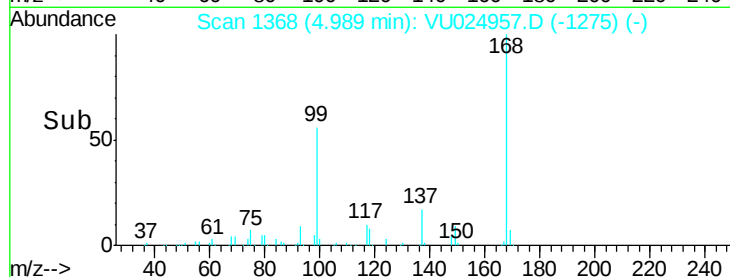
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.842 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024957.D

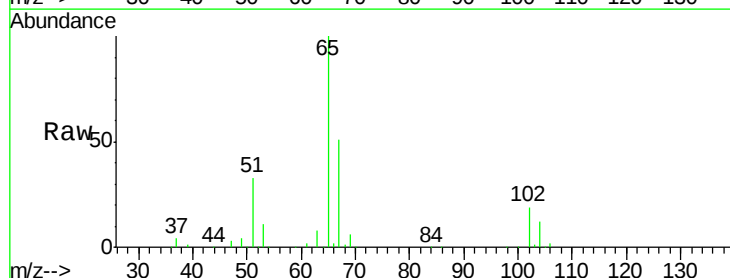
Acq: 27 Jun 2018 11:18

Tgt Ion: 65 Resp: 177730

Ion Ratio Lower Upper

65 100

67 51.0 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024502.D (-1451) (-)

Ion 66.90 (66.60 to 67.60): VU024502.D (-1451) (-)

5.31

100000

80000

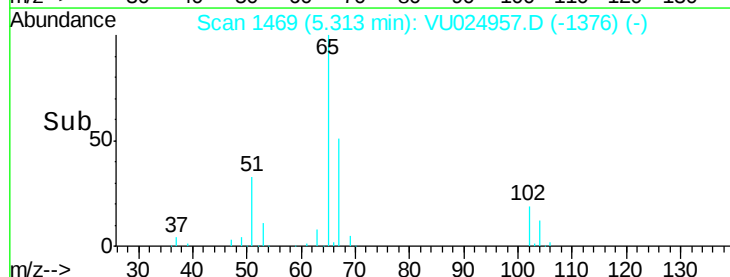
60000

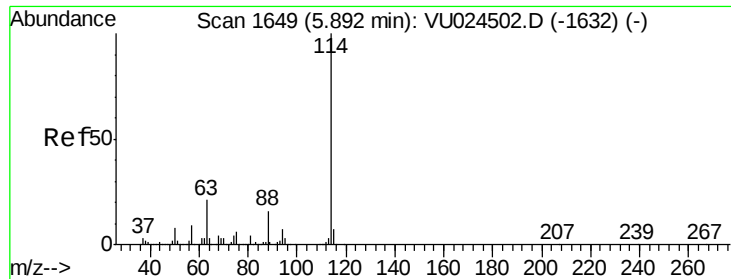
40000

20000

0

Time-->

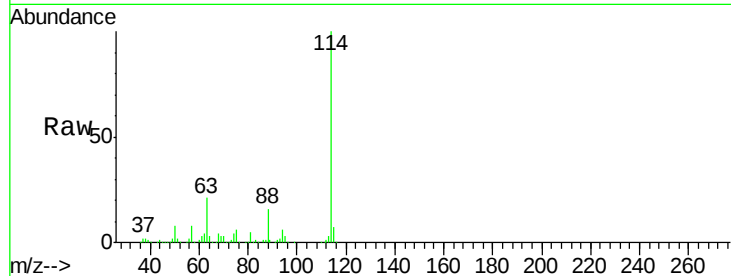




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1648  
 Delta R.T. -0.00 min  
 Lab File: VU024957.D  
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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0627MBL03

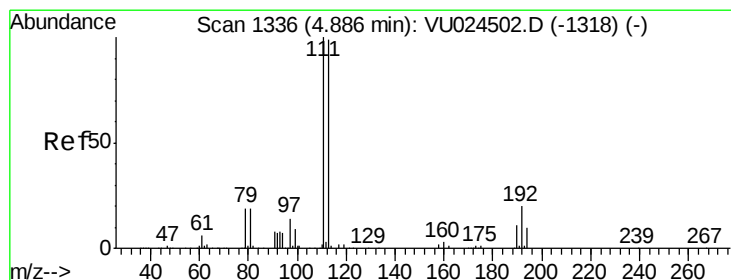
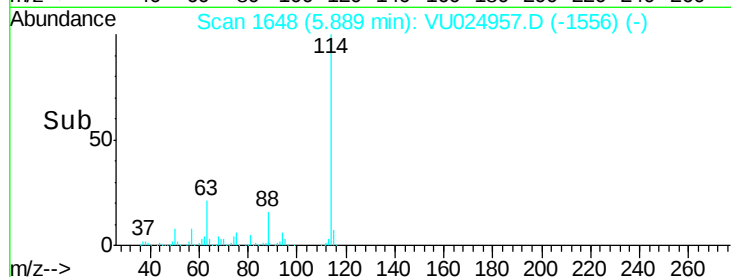
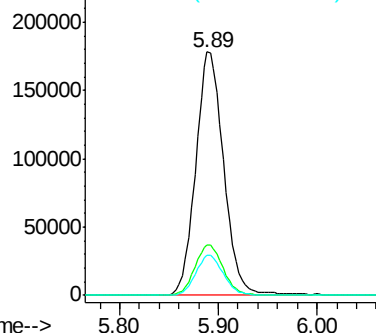
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.7  | 0.0   | 45.4  |
| 88      | 16.4  | 0.0   | 31.0  |



Abundance Ion 113.90 (113.60 to 114.60): V

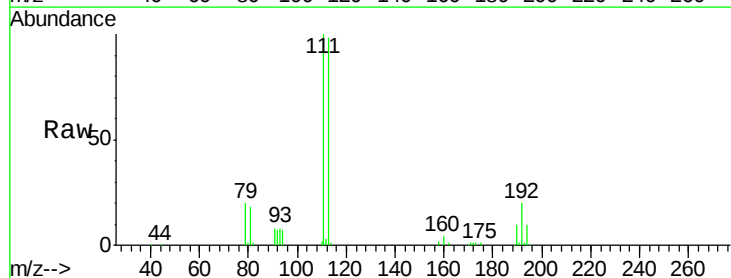
Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35  
 Dibromofluoromethane  
 Concen: 46.993 ug/l  
 RT: 4.89 min Scan# 1336  
 Delta R.T. -0.00 min  
 Lab File: VU024957.D  
 Acq: 27 Jun 2018 11:18

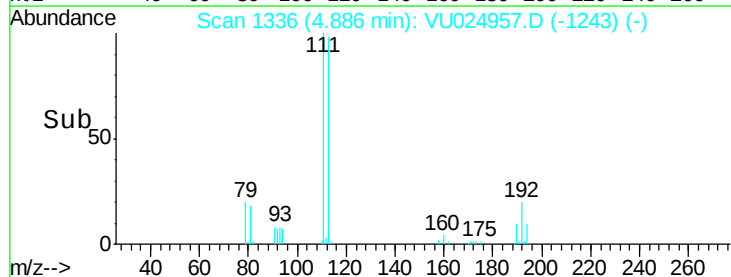
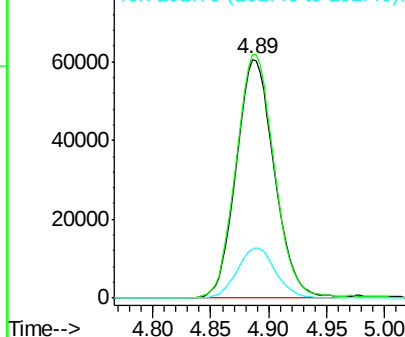
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.6 | 82.2  | 123.4 |
| 192     | 21.3  | 16.2  | 24.4  |



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

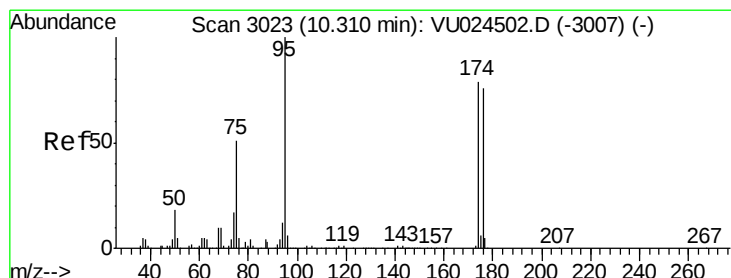
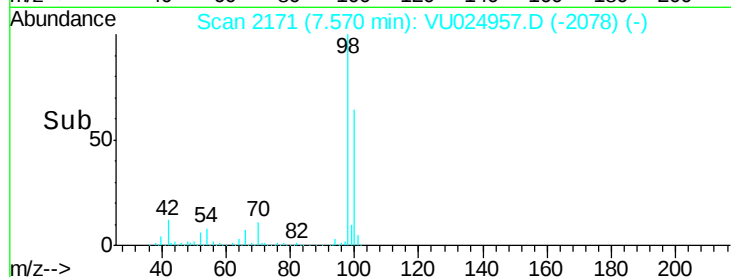
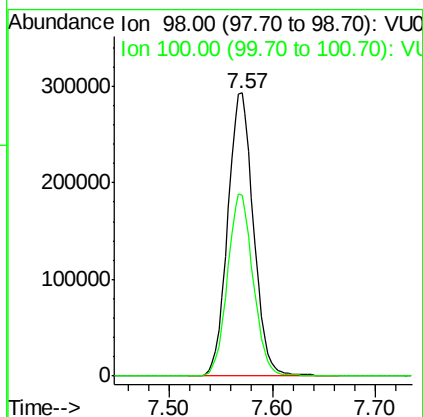
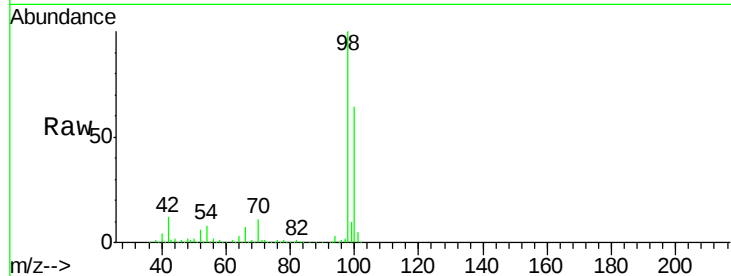




#50  
Toluene-d8  
Concen: 47.631 ug/l  
RT: 7.57 min Scan# 2171  
Delta R.T. -0.00 min  
Lab File: VU024957.D  
Acq: 27 Jun 2018 11:18

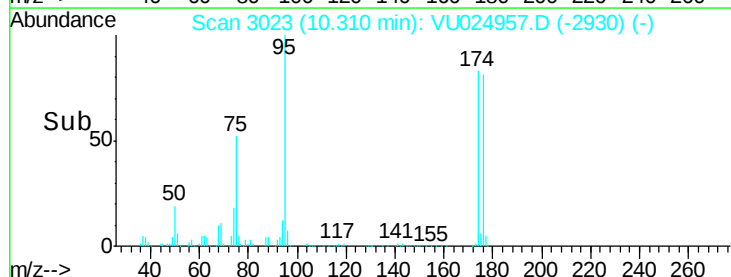
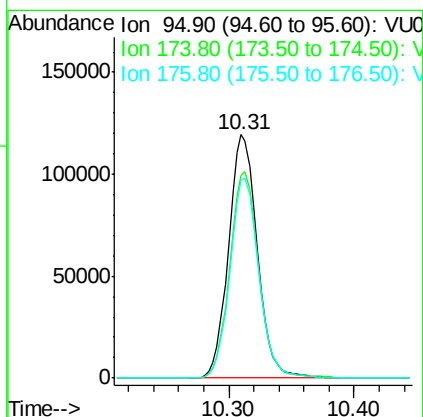
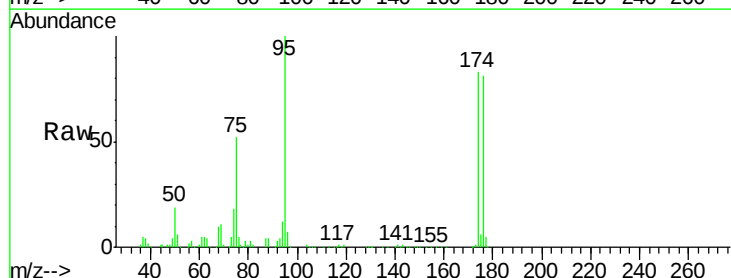
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MSVOA\_U  
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Tgt Ion: 98 Resp: 510624  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.1 76.7



#62  
4-Bromofluorobenzene  
Concen: 44.618 ug/l  
RT: 10.31 min Scan# 3023  
Delta R.T. -0.00 min  
Lab File: VU024957.D  
Acq: 27 Jun 2018 11:18

Tgt Ion: 95 Resp: 189914  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 165.8  
176 82.7 0.0 159.4

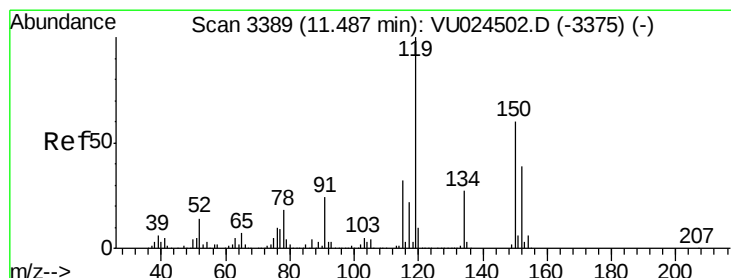
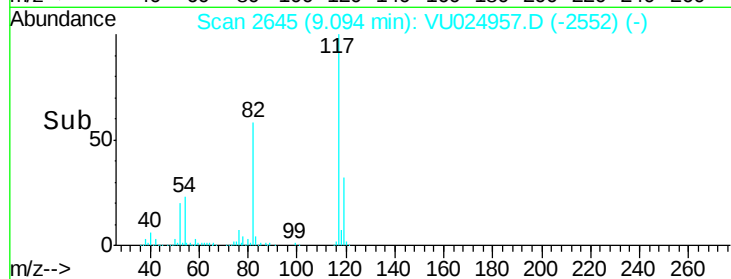
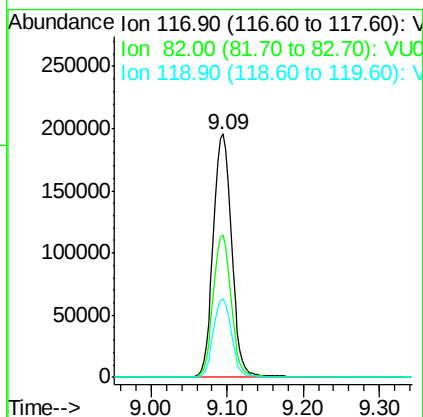
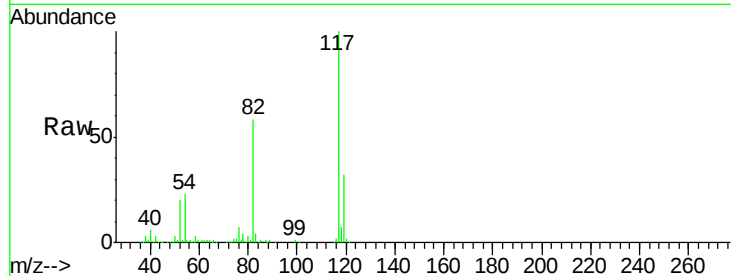




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2645  
Delta R.T. -0.00 min  
Lab File: VU024957.D  
Acq: 27 Jun 2018 11:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.3  | 44.3  | 66.5  |
| 119     | 32.5  | 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: VU024957.D  
Acq: 27 Jun 2018 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.5  | 43.0  | 129.0 |
| 150     | 154.0 | 0.0   | 354.0 |

