

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
 Data File : VU024531.D  
 Acq On : 14 Jun 2018 11:52  
 Operator : MD/SY  
 Sample : J3246-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 OK-02-061218

Quant Time: Jun 15 02:32:33 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

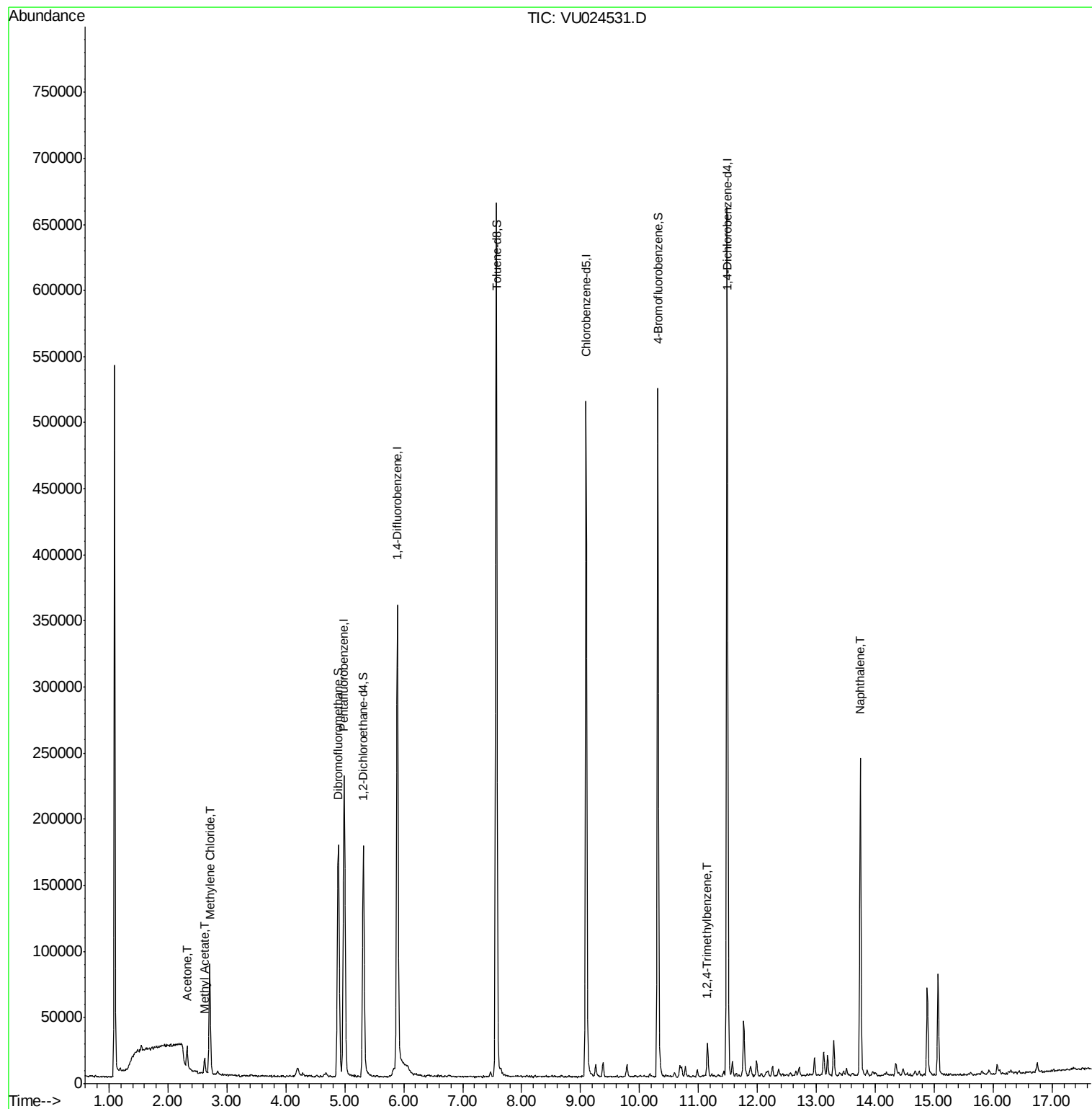
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 178480   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 309001   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 294258   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.49 | 152  | 172633   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.32  | 65   | 135769   | 46.60  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.20% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 122572   | 47.80  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.60% |          |
| 50) Toluene-d8              | 7.57  | 98   | 447194   | 47.81  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.62% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 175266   | 47.19  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.38% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.32  | 43   | 18255    | 11.661 | ug/l   | 97       |
| 18) Methyl Acetate          | 2.62  | 43   | 14088    | 4.198  | ug/l   | 91       |
| 20) Methylene Chloride      | 2.71  | 84   | 37970    | 15.457 | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene  | 11.15 | 105  | 14342    | 1.225  | ug/l   | 100      |
| 95) Naphthalene             | 13.75 | 128  | 193948   | 15.751 | ug/l   | 99       |

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

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MSVOA\_U  
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OK-02-061218

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Quant Title : SW846 8260  
QLast Update : Wed Jun 13 13:55:26 2018  
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: VU024531.D

Acq: 14 Jun 2018 11:52

Instrument :

MSVOA\_U

ClientSampleId :

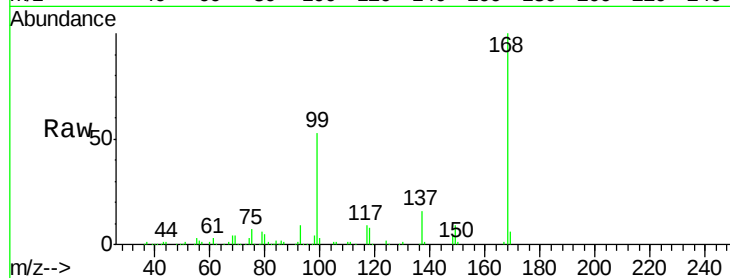
OK-02-061218

Tot Ion:168 Resp: 178480

Ion Ratio Lower Upper

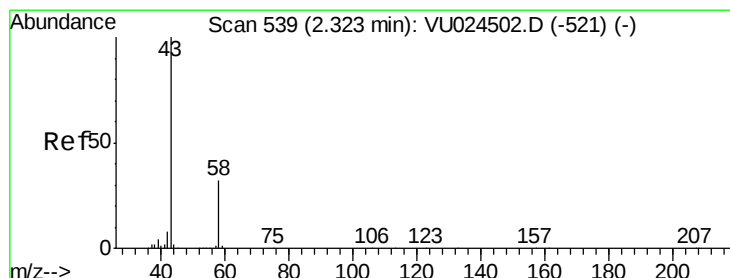
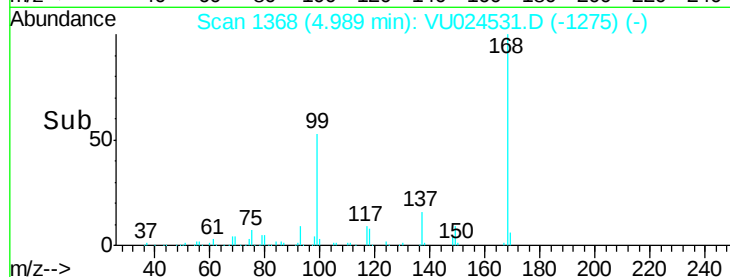
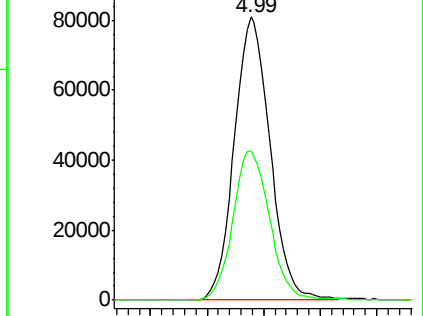
168 100

99 52.7 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) (-)



#16

Acetone

Concen: 11.661 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024531.D

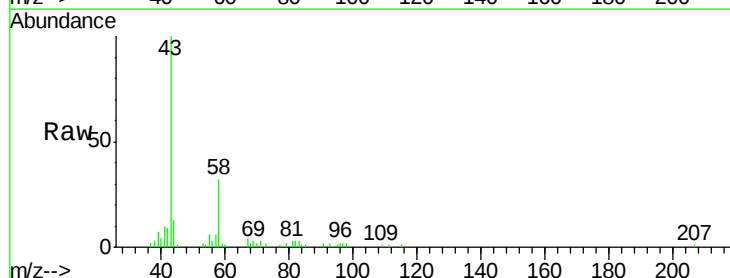
Acq: 14 Jun 2018 11:52

Tgt Ion: 43 Resp: 18255

Ion Ratio Lower Upper

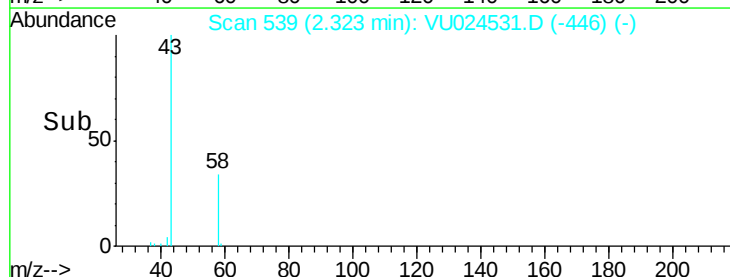
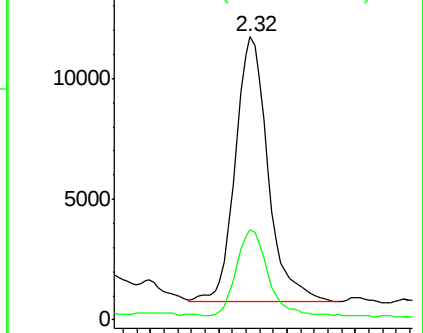
43 100

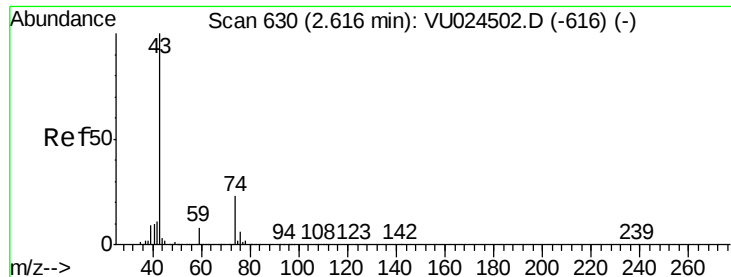
58 31.9 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)

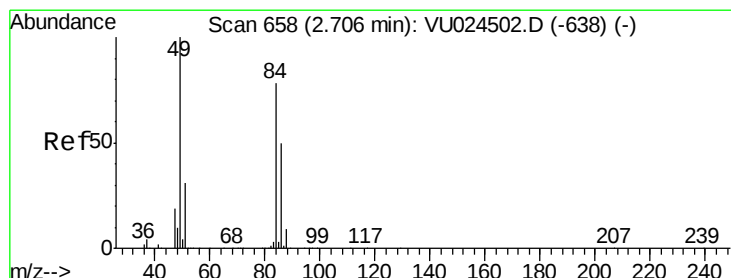
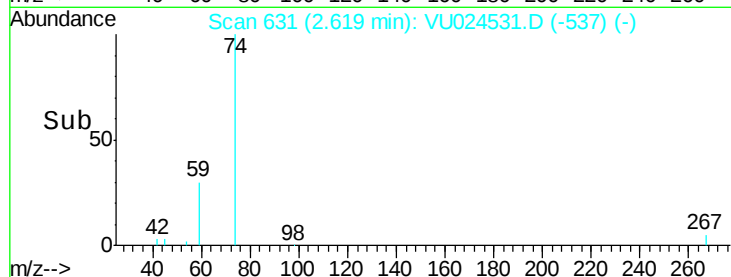
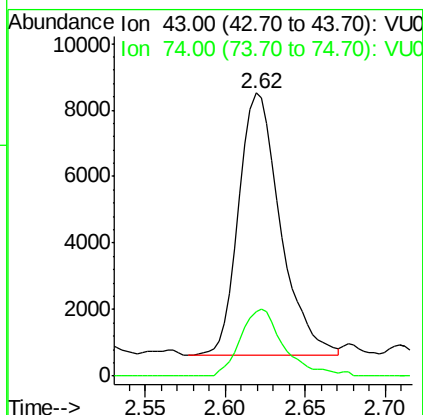
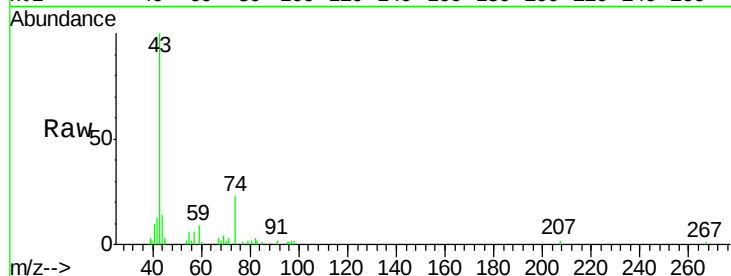




#18  
Methyl Acetate  
Concen: 4.198 ug/l  
RT: 2.62 min Scan# 631  
Delta R.T. 0.00 min  
Lab File: VU024531.D  
Acq: 14 Jun 2018 11:52

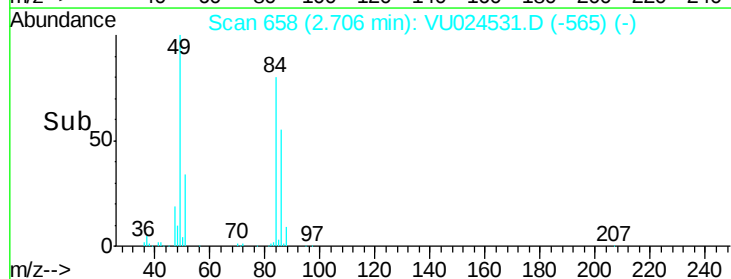
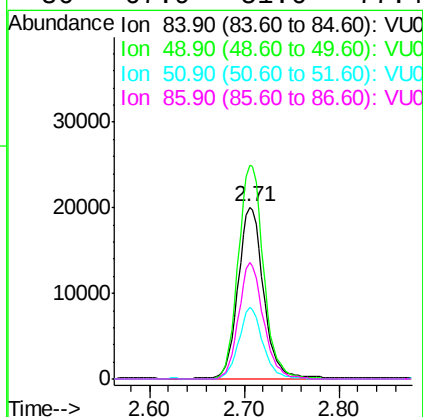
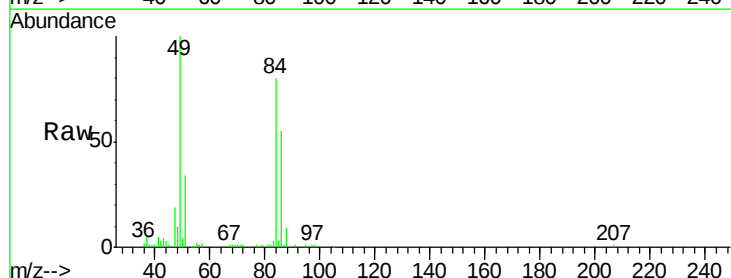
Instrument :  
MSVOA\_U  
ClientSampleId :  
OK-02-061218

Tot Ion: 43 Resp: 14088  
Ion Ratio Lower Upper  
43 100  
74 26.8 18.0 27.0



#20  
Methylene Chloride  
Concen: 15.457 ug/l  
RT: 2.71 min Scan# 658  
Delta R.T. -0.00 min  
Lab File: VU024531.D  
Acq: 14 Jun 2018 11:52

Tgt Ion: 84 Resp: 37970  
Ion Ratio Lower Upper  
84 100  
49 124.3 103.8 155.8  
51 41.7 32.0 48.0  
86 67.9 51.6 77.4

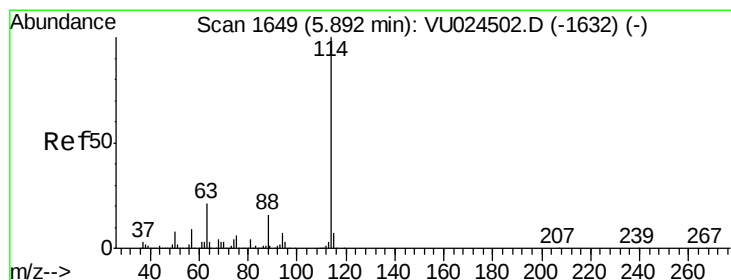
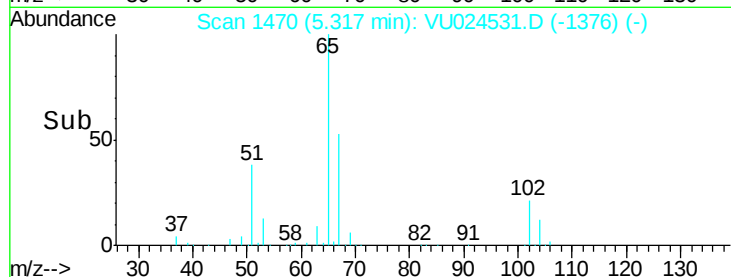
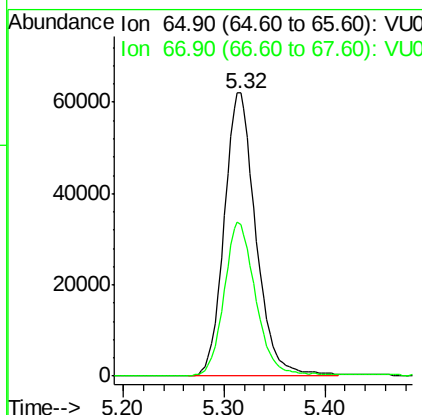
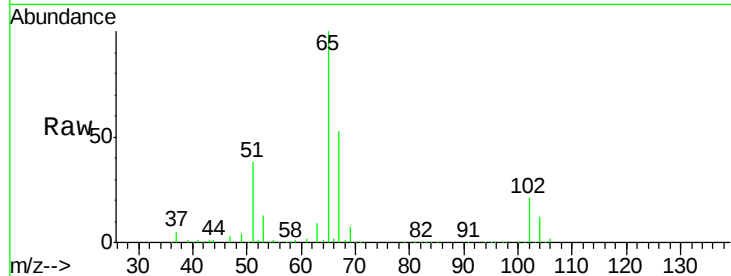




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.596 ug/l  
 RT: 5.32 min Scan# 1470  
 Delta R.T. 0.00 min  
 Lab File: VU024531.D  
 Acq: 14 Jun 2018 11:52

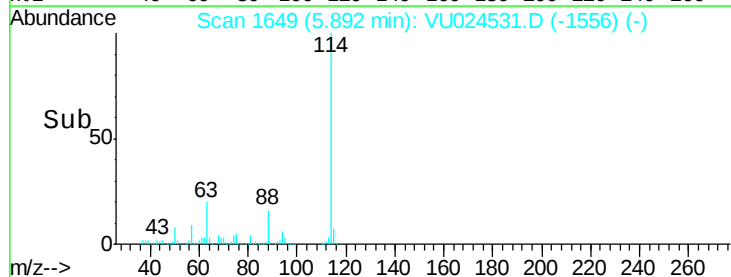
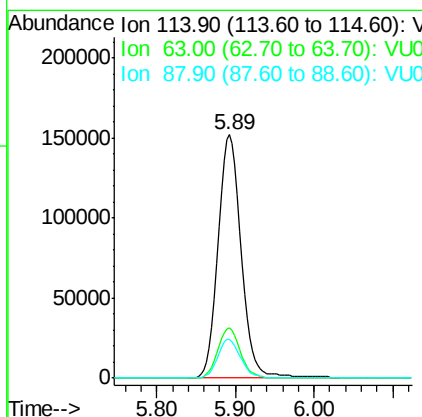
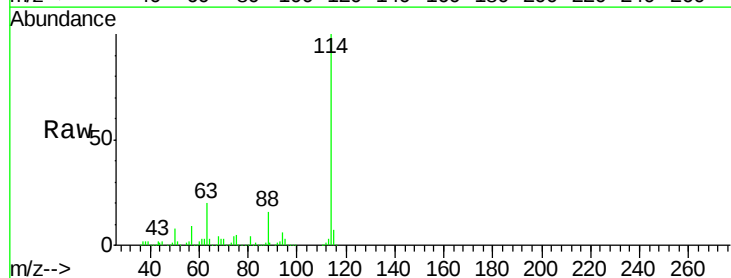
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 OK-02-061218

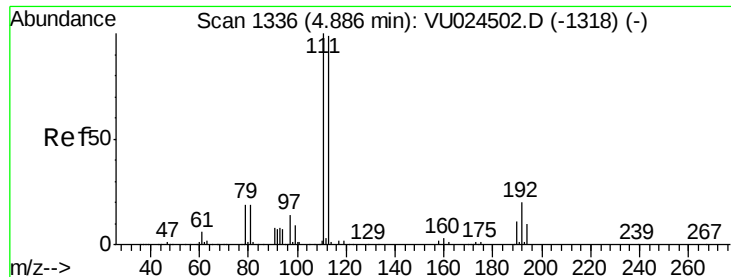
Tot Ion: 65 Resp: 135769  
 Ion Ratio Lower Upper  
 65 100  
 67 54.1 0.0 107.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1649  
 Delta R.T. -0.00 min  
 Lab File: VU024531.D  
 Acq: 14 Jun 2018 11:52

Tgt Ion: 114 Resp: 309001  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 45.4  
 88 16.0 0.0 31.0

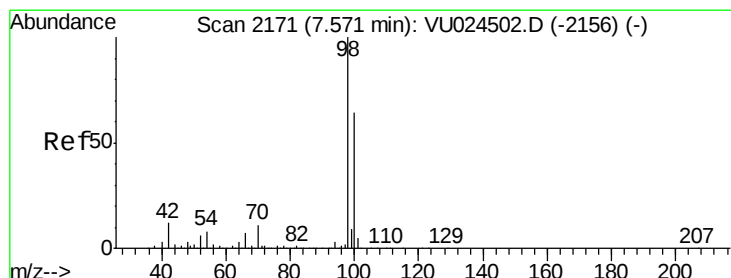
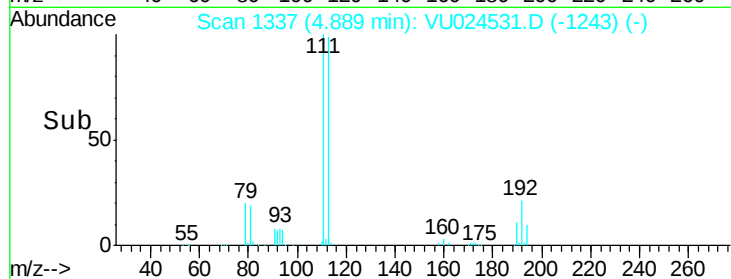
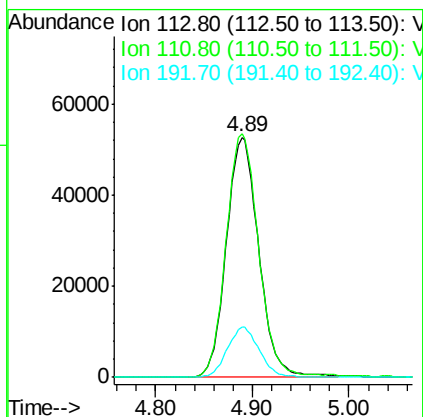
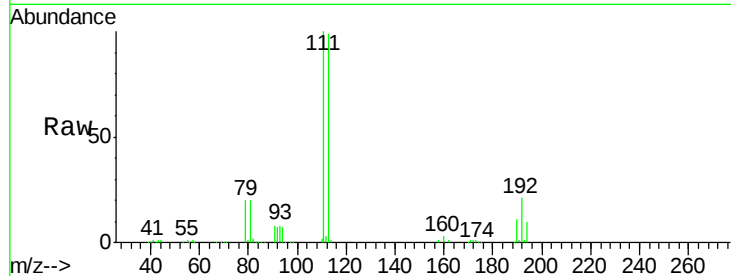




#35  
 Dibromofluoromethane  
 Concen: 47.796 ug/l  
 RT: 4.89 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VU024531.D  
 Acq: 14 Jun 2018 11:52

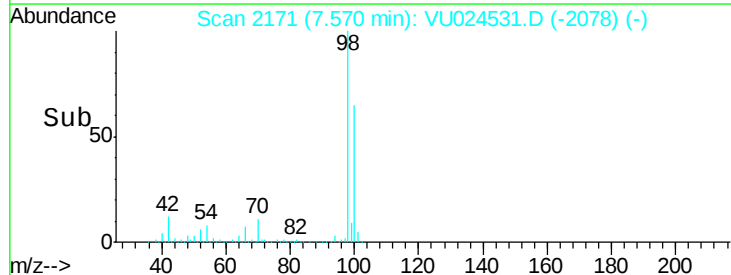
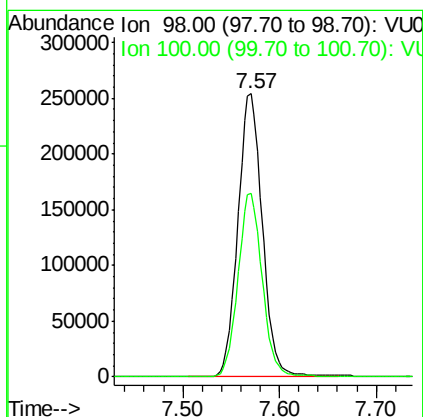
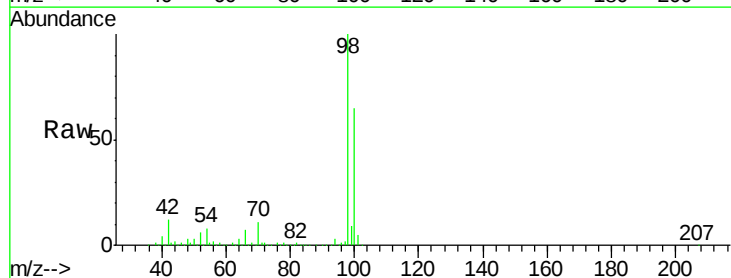
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 OK-02-061218

Tot Ion:113 Resp: 122572  
 Ion Ratio Lower Upper  
 113 100  
 111 101.1 82.2 123.4  
 192 20.8 16.2 24.4



#50  
 Toluene-d8  
 Concen: 47.807 ug/l  
 RT: 7.57 min Scan# 2171  
 Delta R.T. -0.00 min  
 Lab File: VU024531.D  
 Acq: 14 Jun 2018 11:52

Tgt Ion: 98 Resp: 447194  
 Ion Ratio Lower Upper  
 98 100  
 100 64.1 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 47.191 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024531.D

Acq: 14 Jun 2018 11:52

Instrument :

MSVOA\_U

ClientSampleId :

OK-02-061218

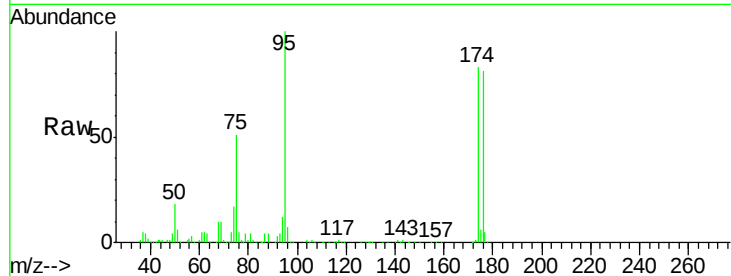
Tot Ion: 95 Resp: 175266

Ion Ratio Lower Upper

95 100

174 83.6 0.0 165.8

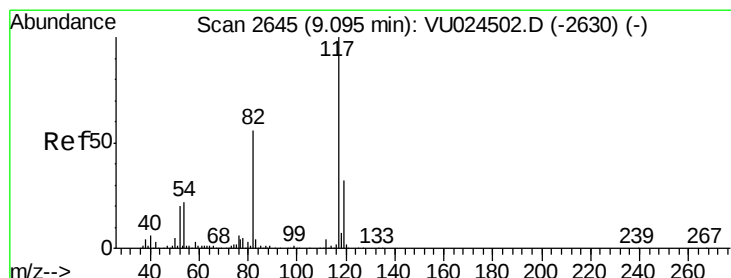
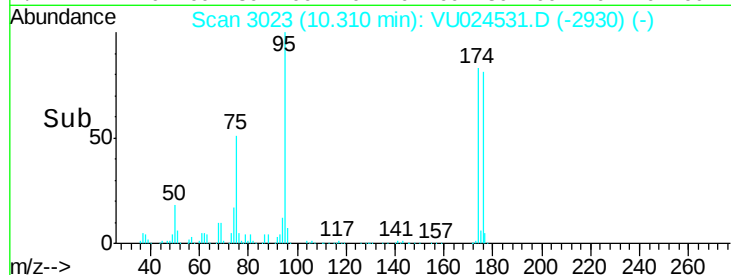
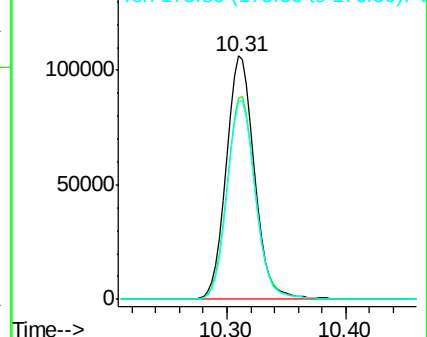
176 81.6 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024531.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024531.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024531.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU024531.D

Acq: 14 Jun 2018 11:52

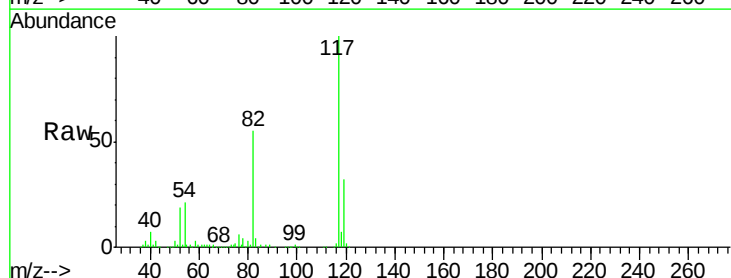
Tgt Ion: 117 Resp: 294258

Ion Ratio Lower Upper

117 100

82 54.5 44.3 66.5

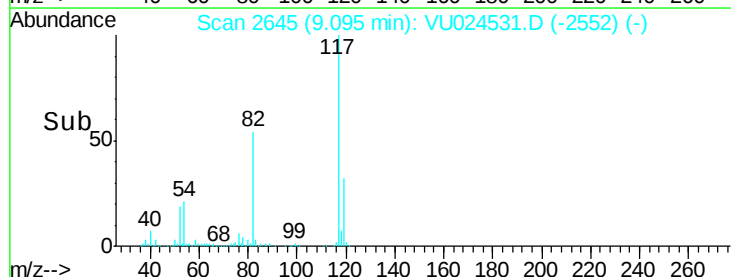
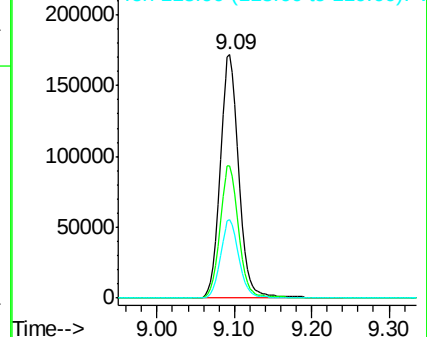
119 32.2 25.4 38.2

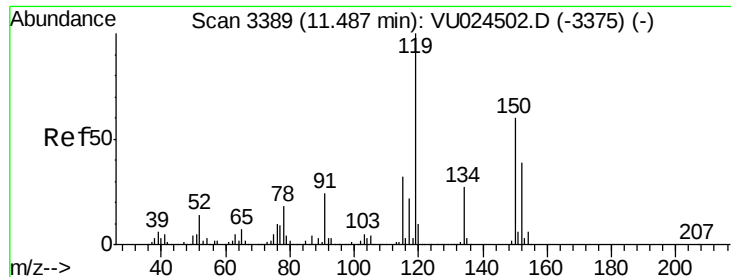


Abundance Ion 116.90 (116.60 to 117.60): VU024531.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024531.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024531.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024531.D

Acq: 14 Jun 2018 11:52

Instrument :

MSVOA\_U

ClientSampleId :

OK-02-061218

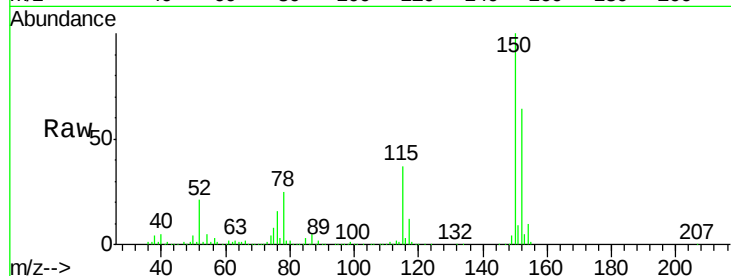
Tot Ion:152 Resp: 172633

Ion Ratio Lower Upper

152 100

115 58.0 43.0 129.0

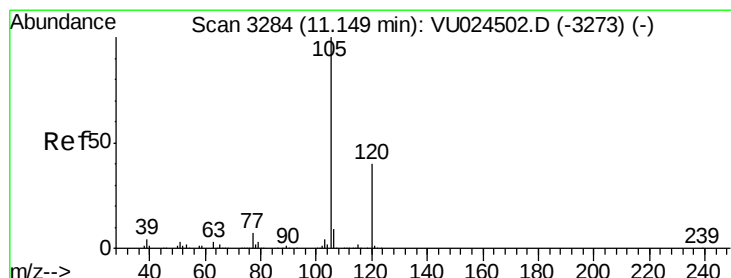
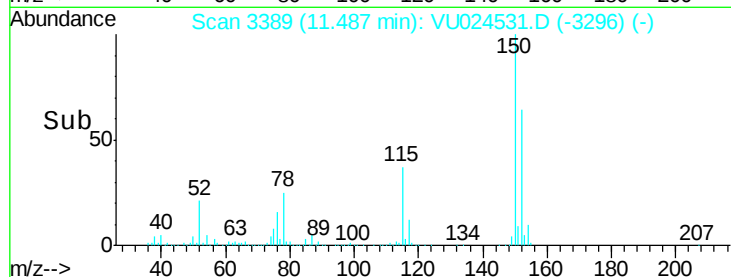
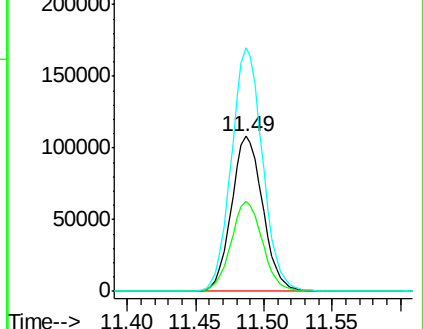
150 156.2 0.0 354.0



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



#84

1,2,4-Trimethylbenzene

Concen: 1.225 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024531.D

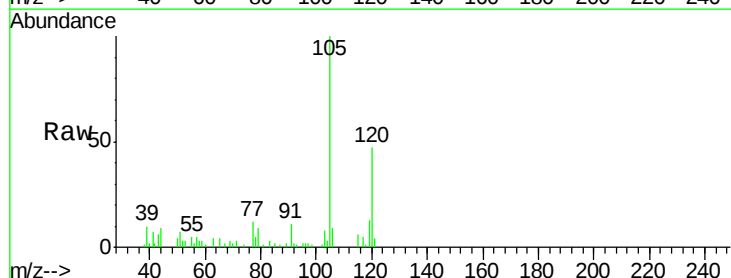
Acq: 14 Jun 2018 11:52

Tgt Ion:105 Resp: 14342

Ion Ratio Lower Upper

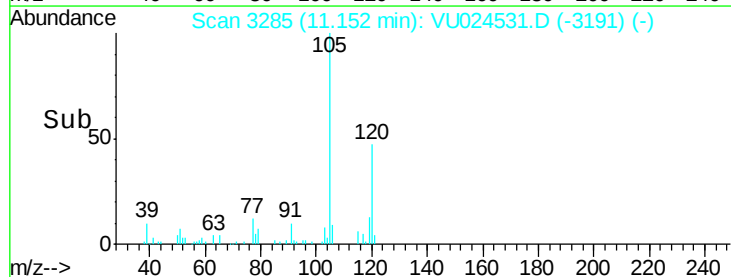
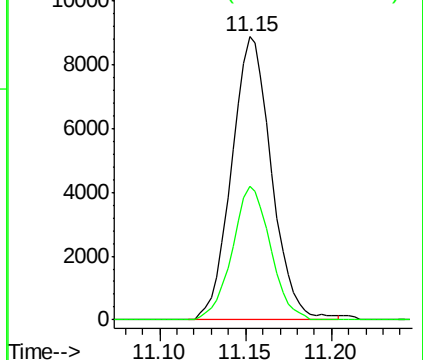
105 100

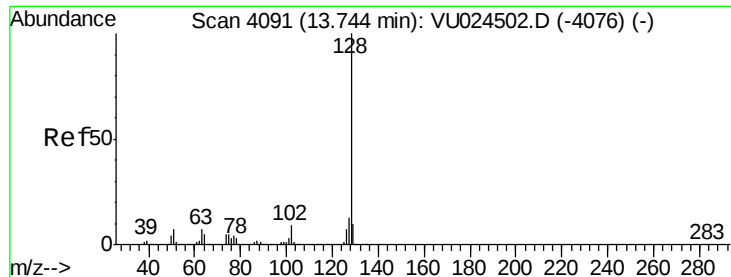
120 44.9 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

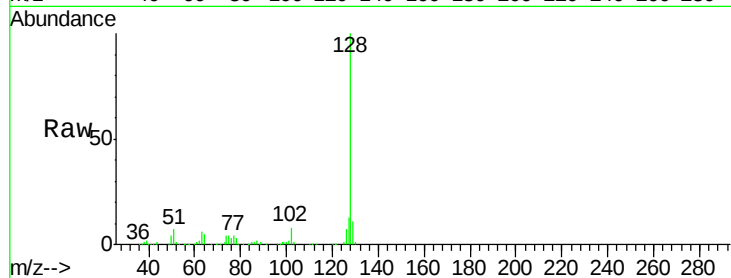




#95  
Naphthalene  
Concen: 15.751 ug/l  
RT: 13.75 min Scan# 4092  
Delta R.T. 0.00 min  
Lab File: VU024531.D  
Acq: 14 Jun 2018 11:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
OK-02-061218

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.7  | 10.6  | 16.0  |
| 129     | 10.9  | 8.6   | 12.8  |



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

