

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\  
 Data File : VU024790.D  
 Acq On : 21 Jun 2018 05:16  
 Operator : MD/SY  
 Sample : J3585-09  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CKMW05

Quant Time: Jun 21 10:21:18 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  | 191513   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 295639   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 276826   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 150499   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 135919   | 43.47 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.94% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 113640   | 46.32 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.64% |          |
| 50) Toluene-d8              | 7.57  | 98   | 429969   | 48.04 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.08% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 158889   | 44.72 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.44% |          |

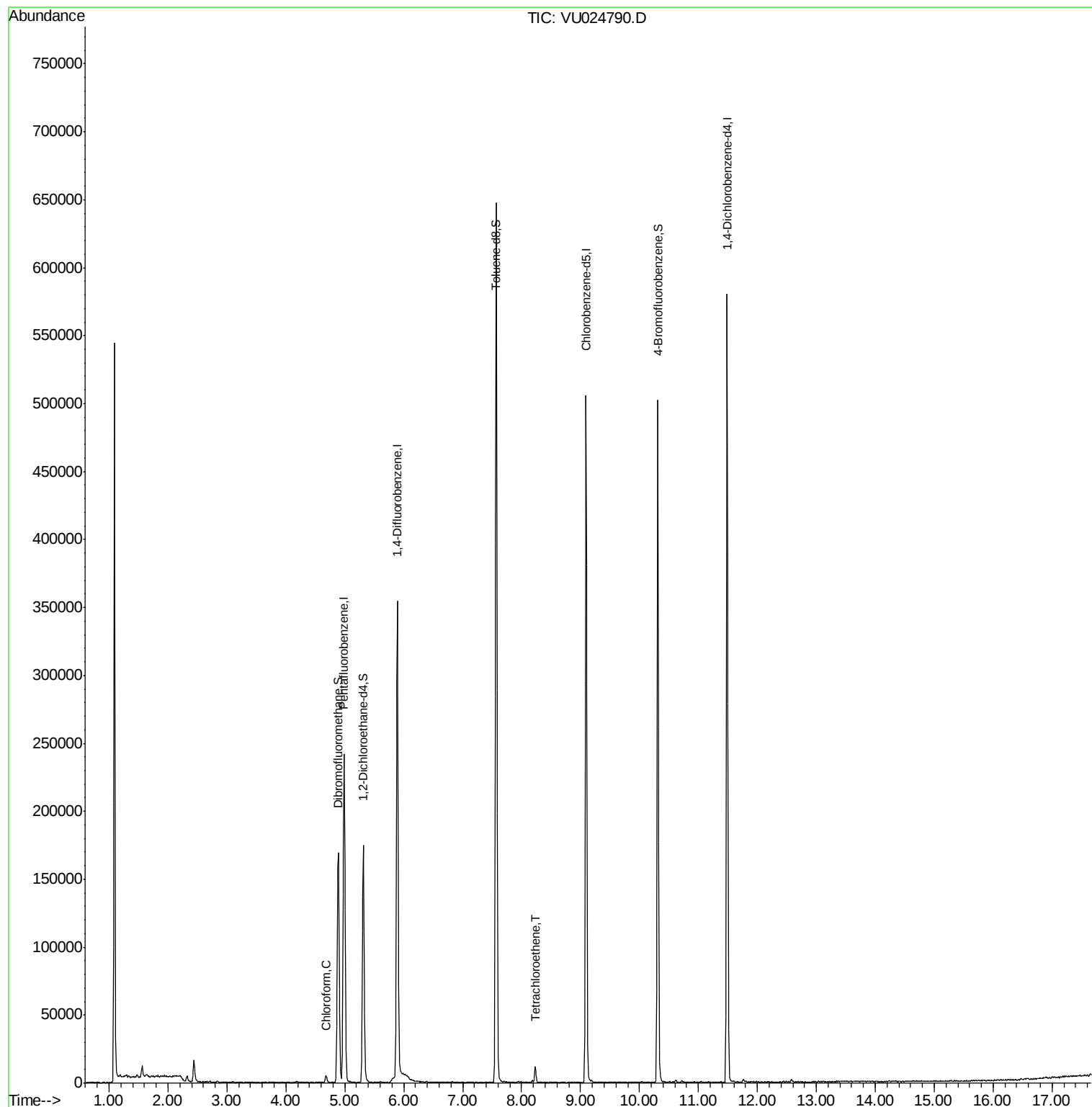
| Target Compounds      | R.T. | QIon | Response | Conc | Units | Qvalue |
|-----------------------|------|------|----------|------|-------|--------|
| 30) Chloroform        | 4.68 | 83   | 4979     | 1.07 | ug/l  | 96     |
| 64) Tetrachloroethene | 8.23 | 164  | 2894     | 1.10 | ug/l  | 94     |

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

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Quant Title : SW846 8260  
QLast Update : Wed Jun 13 13:55:26 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024790.D

Acq: 21 Jun 2018 05:16

Instrument :

MSVOA\_U

ClientSampleId :

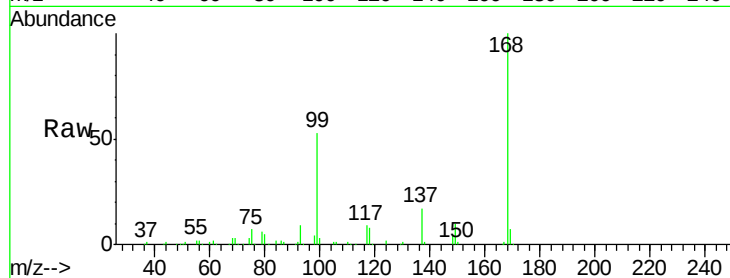
CKMW05

Tot Ion:168 Resp: 191513

Ion Ratio Lower Upper

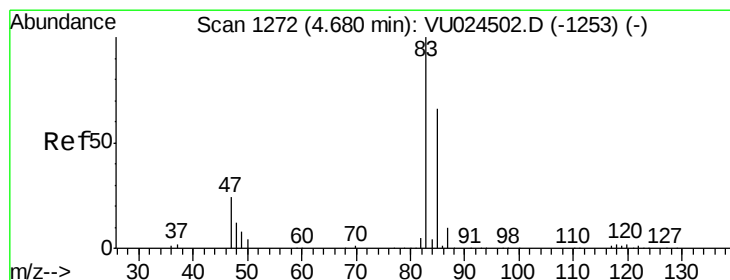
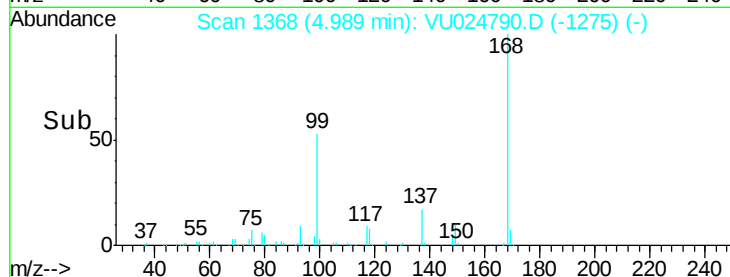
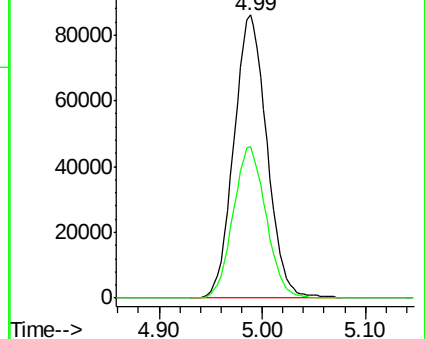
168 100

99 53.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024790.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024790.D (-1275) (-)



#30

Chloroform

Concen: 1.07 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU024790.D

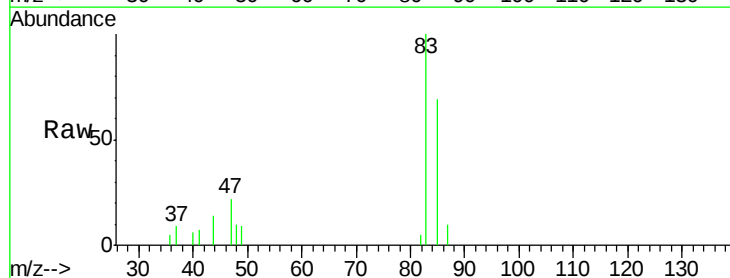
Acq: 21 Jun 2018 05:16

Tgt Ion: 83 Resp: 4979

Ion Ratio Lower Upper

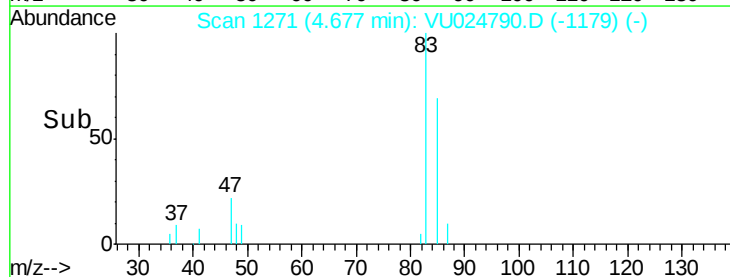
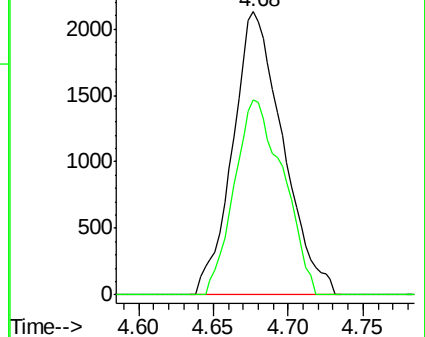
83 100

85 68.9 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VU024790.D (-1179) (-)

Ion 84.90 (84.60 to 85.60): VU024790.D (-1179) (-)

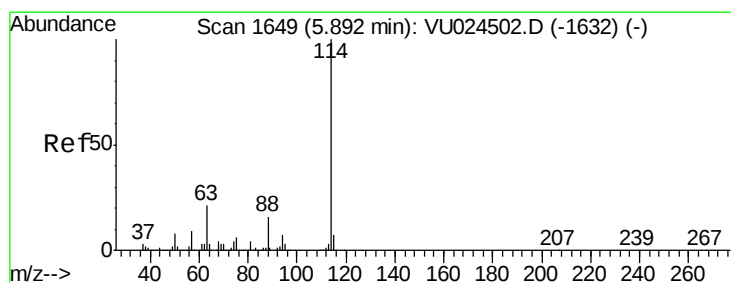
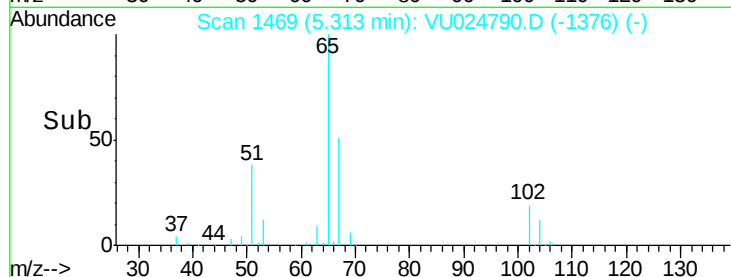
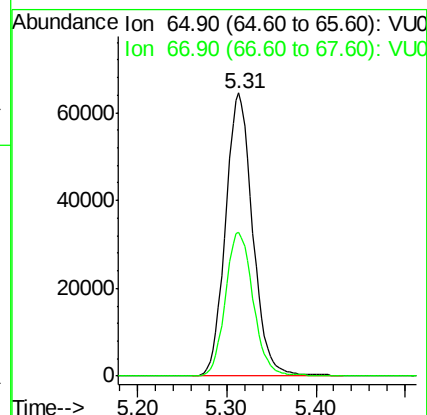
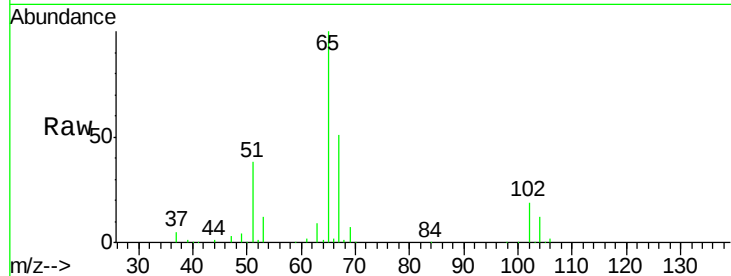




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.47 ug/l  
 RT: 5.31 min Scan# 1469  
 Delta R.T. -0.00 min  
 Lab File: VU024790.D  
 Acq: 21 Jun 2018 05:16

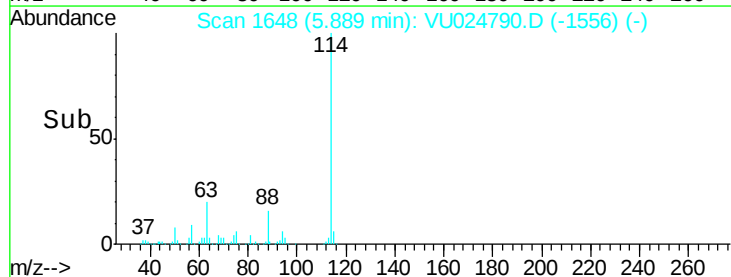
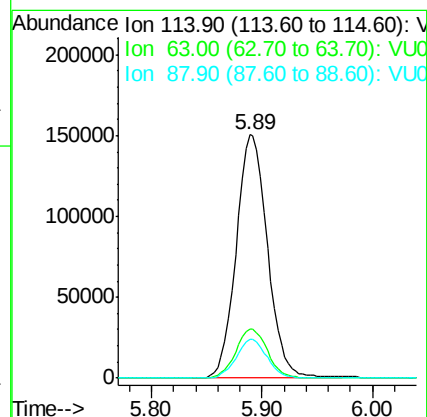
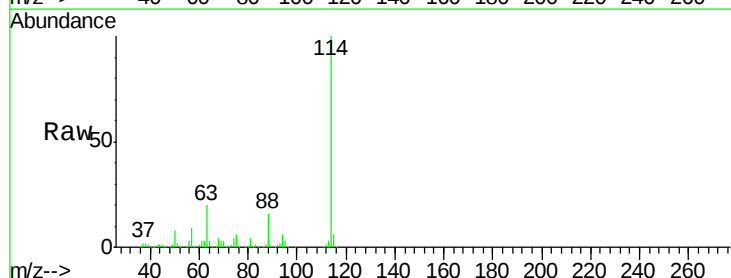
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CKMW05

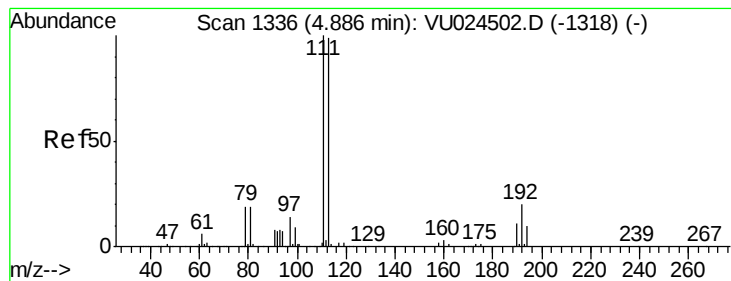
Tot Ion: 65 Resp: 135919  
 Ion Ratio Lower Upper  
 65 100  
 67 52.1 0.0 107.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.89 min Scan# 1648  
 Delta R.T. -0.00 min  
 Lab File: VU024790.D  
 Acq: 21 Jun 2018 05:16

Tgt Ion: 114 Resp: 295639  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 45.4  
 88 16.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.32 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024790.D

Acq: 21 Jun 2018 05:16

Instrument :

MSVOA\_U

ClientSampleId :

CKMW05

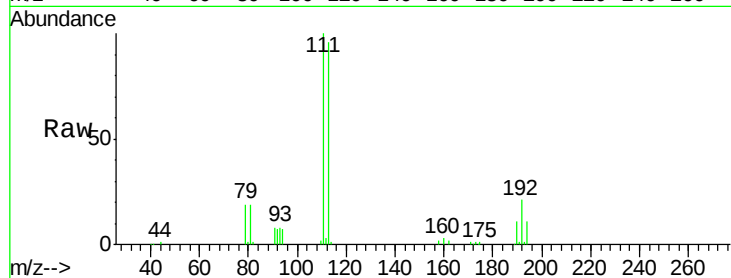
Tot Ion:113 Resp: 113640

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

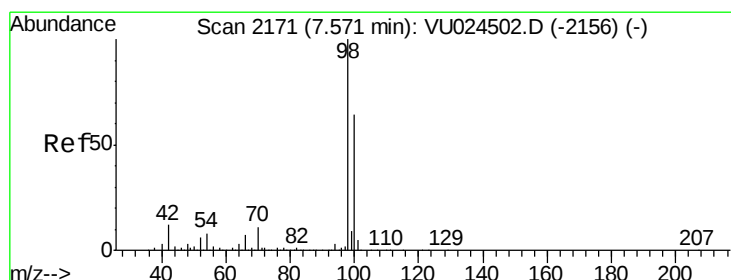
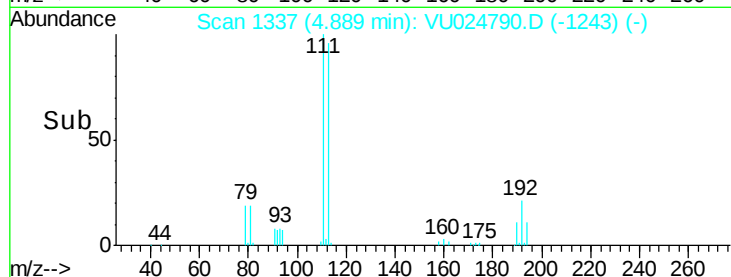
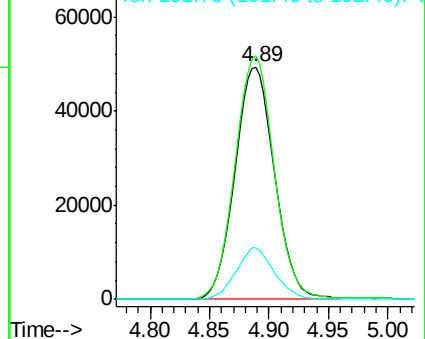
192 21.5 16.2 24.4



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



#50

Toluene-d8

Concen: 48.04 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024790.D

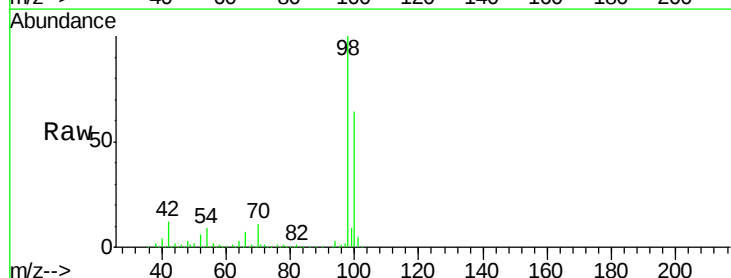
Acq: 21 Jun 2018 05:16

Tgt Ion: 98 Resp: 429969

Ion Ratio Lower Upper

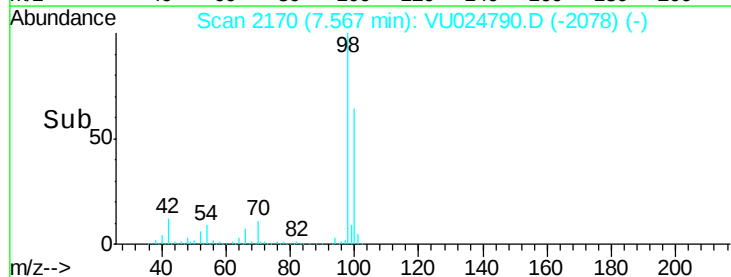
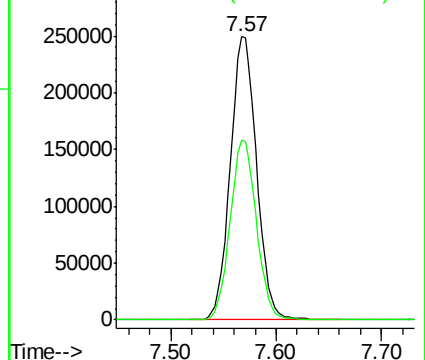
98 100

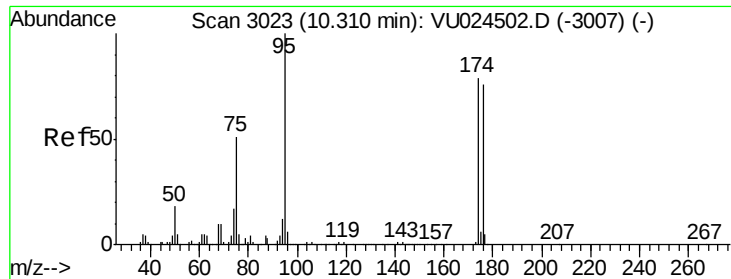
100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

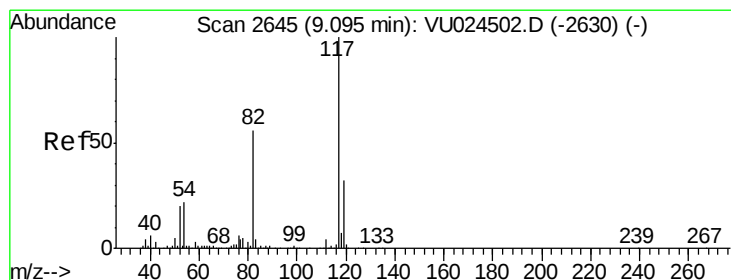
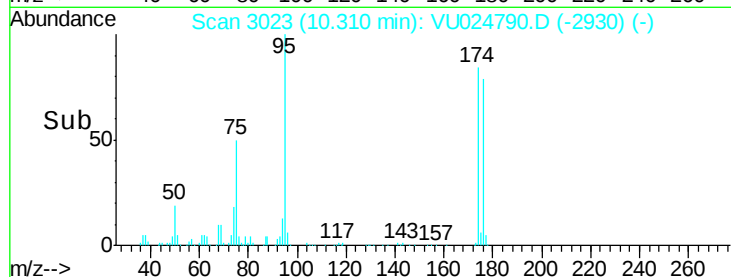
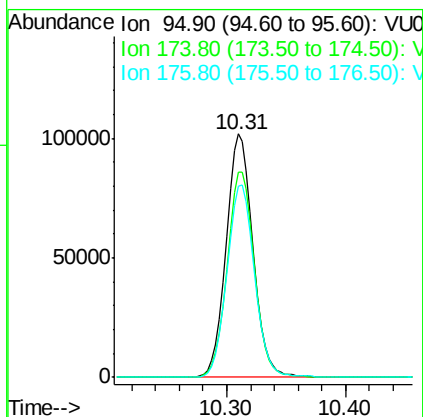
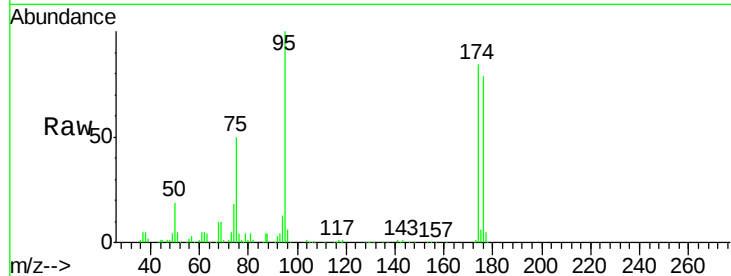




#62  
4-Bromofluorobenzene  
Concen: 44.72 ug/l  
RT: 10.31 min Scan# 3023  
Delta R.T. -0.00 min  
Lab File: VU024790.D  
Acq: 21 Jun 2018 05:16

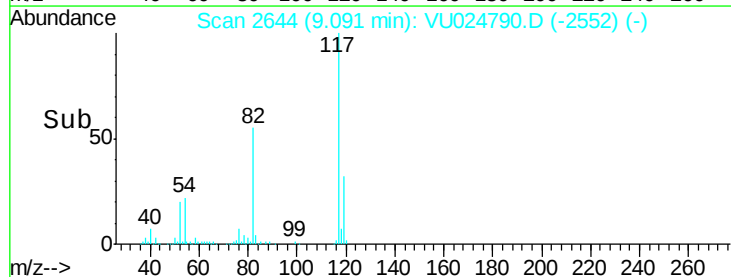
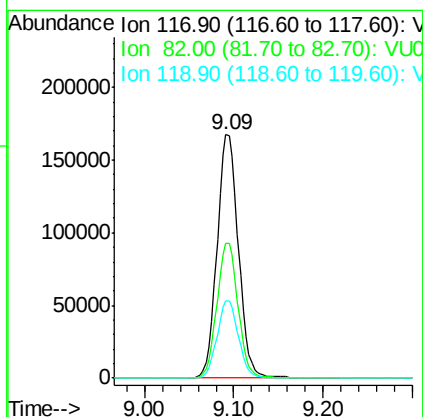
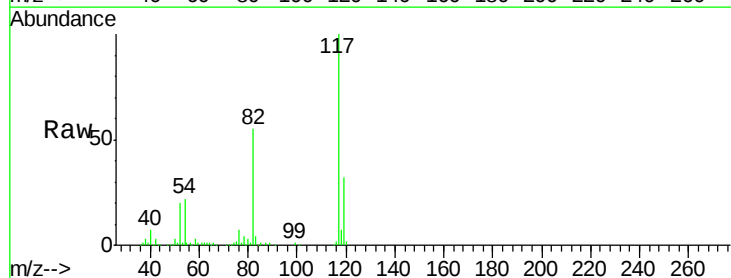
Instrument :  
MSVOA\_U  
ClientSampleId :  
CKMW05

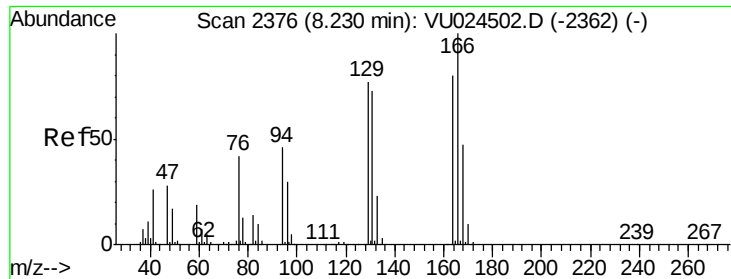
Tot Ion: 95 Resp: 158889  
Ion Ratio Lower Upper  
95 100  
174 86.1 0.0 165.8  
176 81.5 0.0 159.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VU024790.D  
Acq: 21 Jun 2018 05:16

Tgt Ion: 117 Resp: 276826  
Ion Ratio Lower Upper  
117 100  
82 55.4 44.3 66.5  
119 31.8 25.4 38.2

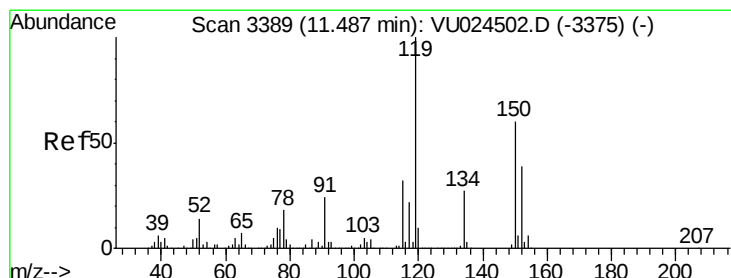
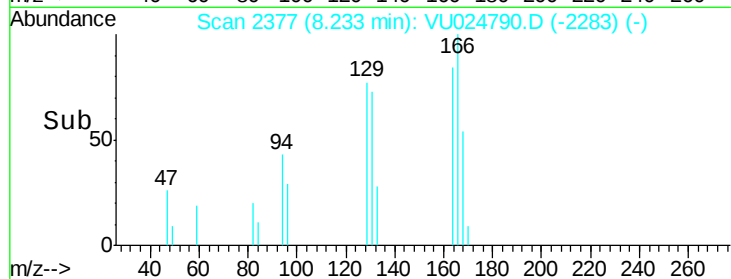
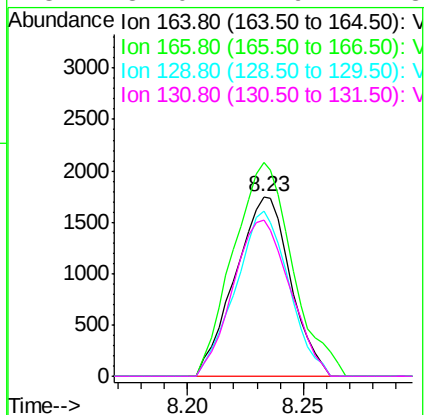
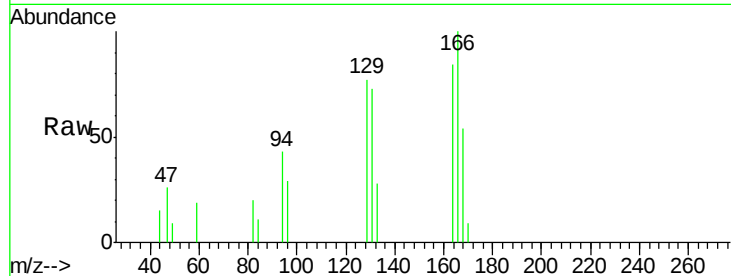




#64  
Tetrachloroethene  
Concen: 1.10 ug/l  
RT: 8.23 min Scan# 2377  
Delta R.T. 0.00 min  
Lab File: VU024790.D  
Acq: 21 Jun 2018 05:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
CKMW05

Tot Ion:164 Resp: 2894  
Ion Ratio Lower Upper  
164 100  
166 119.0 101.7 152.5  
129 92.0 76.9 115.3  
131 87.0 74.9 112.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.49 min Scan# 3389  
Delta R.T. -0.00 min  
Lab File: VU024790.D  
Acq: 21 Jun 2018 05:16

Tgt Ion:152 Resp: 150499  
Ion Ratio Lower Upper  
152 100  
115 56.3 43.0 129.0  
150 156.5 0.0 354.0

