

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090519\  
 Data File : VU034261.D  
 Acq On : 04 Sep 2019 16:31  
 Operator : JC/SP  
 Sample : K4547-32  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T7-S-G1-(2.5)

Quant Time: Sep 05 05:00:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

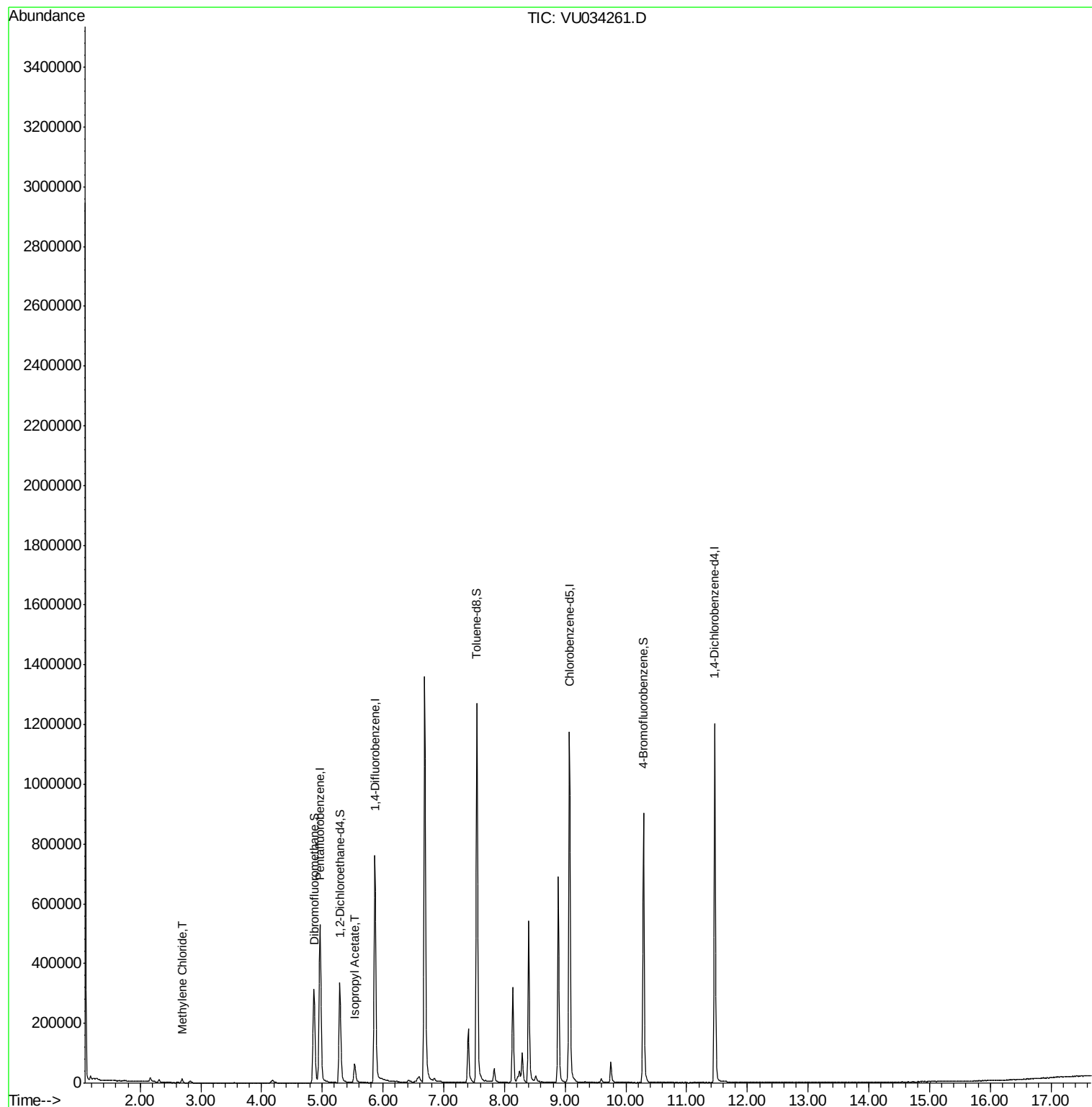
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 436953   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.87  | 114  | 692658   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 693461   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.46 | 152  | 334949   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 267117   | 47.71 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.42% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 226279   | 47.10 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.20% |          |
| 50) Toluene-d8              | 7.55  | 98   | 896649   | 49.84 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.68% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 312722   | 44.69 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.38% |          |
| Target Compounds            |       |      |          |       |        |          |
| 20) Methylene Chloride      | 2.69  | 84   | 5878     | 1.087 | ug/l   | 96       |
| 43) Isopropyl Acetate       | 5.53  | 43   | 76310    | 6.837 | ug/l   | 100      |

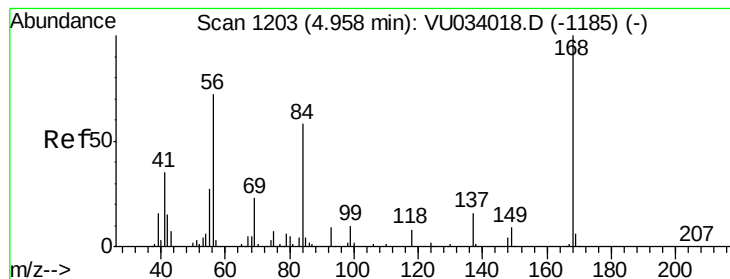
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_U  
ClientSampleId :  
T7-S-G1-(2.5)

Quant Time: Sep 05 05:00:11 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 29 04:11:12 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034261.D

Acq: 04 Sep 2019 16:31

Instrument :

MSVOA\_U

ClientSampleId :

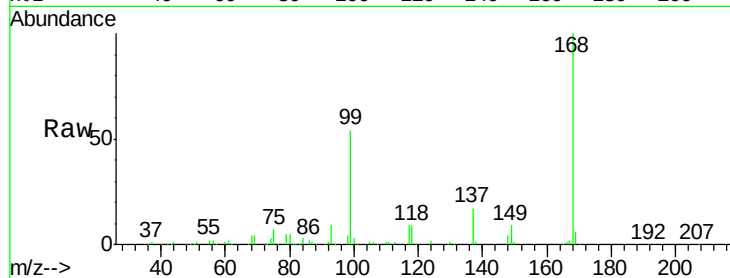
T7-S-G1-(2.5)

Tot Ion:168 Resp: 436953

Ion Ratio Lower Upper

168 100

99 54.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.96

200000

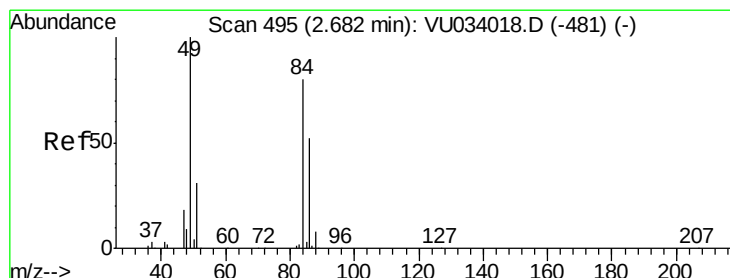
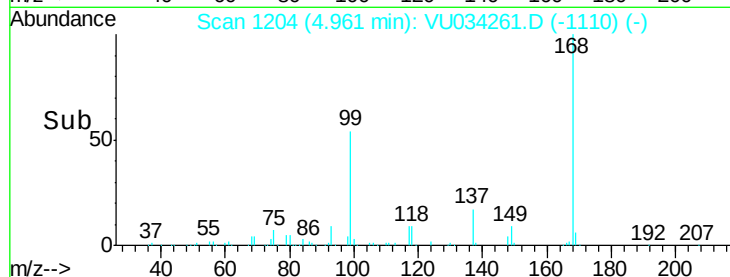
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 1.087 ug/l

RT: 2.69 min Scan# 497

Delta R.T. 0.01 min

Lab File: VU034261.D

Acq: 04 Sep 2019 16:31

Tgt Ion: 84 Resp: 5878

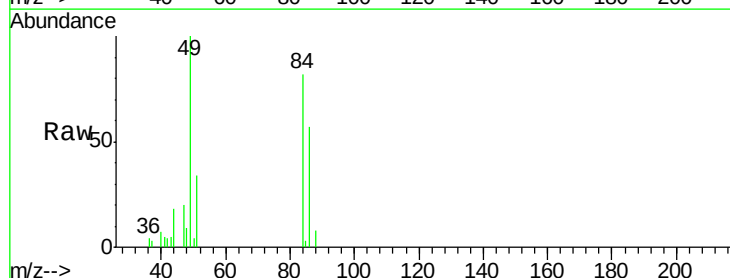
Ion Ratio Lower Upper

84 100

49 121.8 100.2 150.4

51 41.1 30.8 46.2

86 69.2 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

2.69

6000

5000

4000

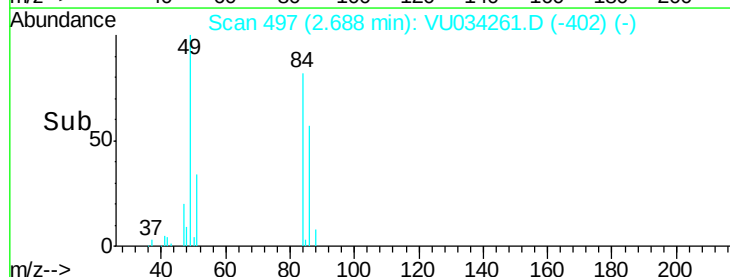
3000

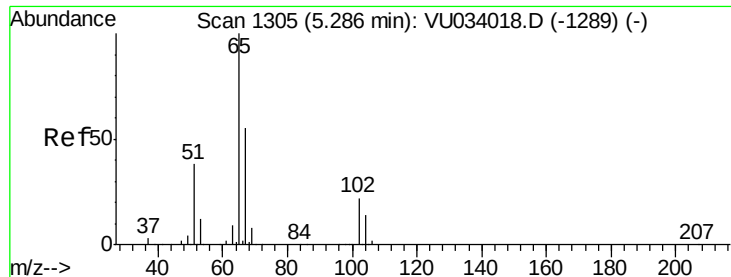
2000

1000

0

Time--> 2.65 2.70 2.75

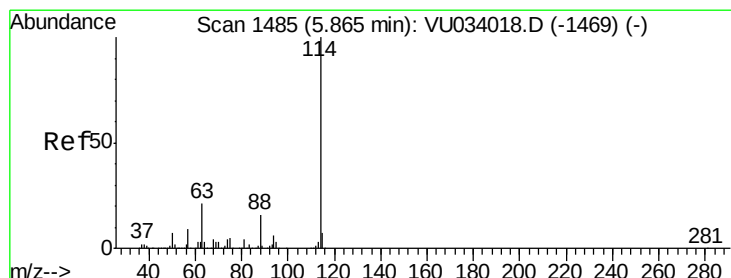
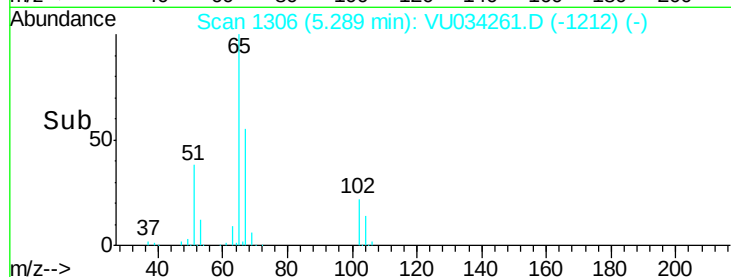
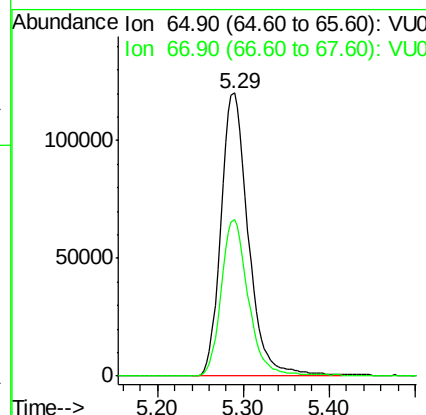
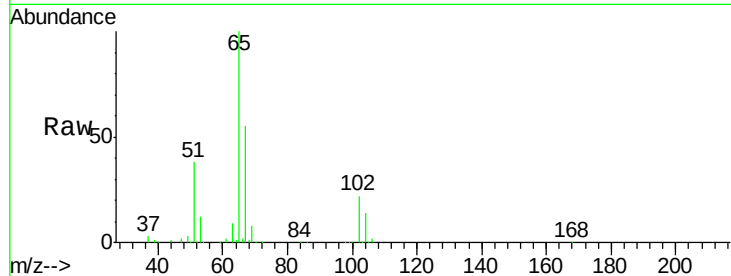




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.709 ug/l  
 RT: 5.29 min Scan# 1306  
 Delta R.T. 0.00 min  
 Lab File: VU034261.D  
 Acq: 04 Sep 2019 16:31

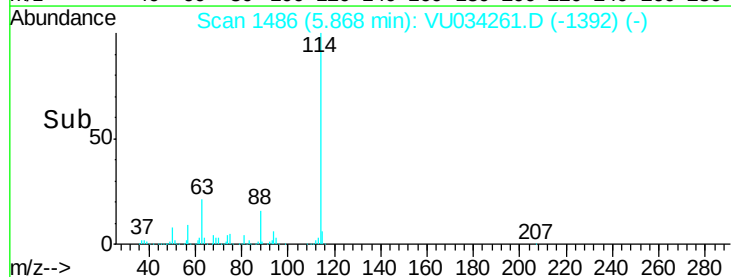
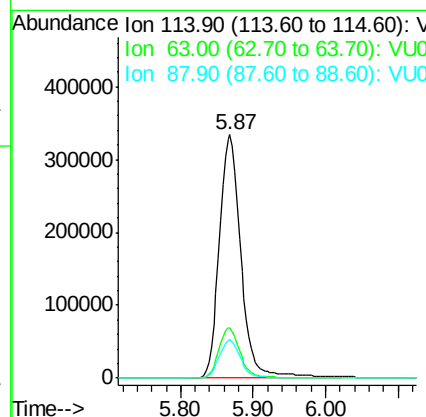
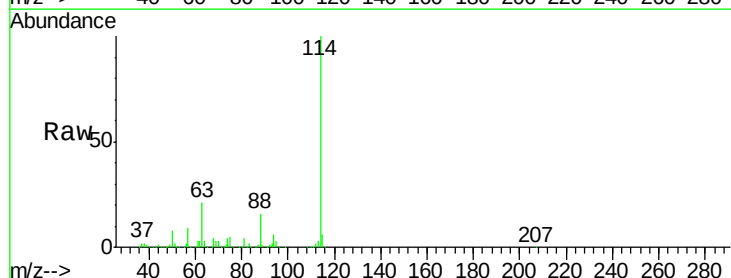
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T7-S-G1-(2.5)

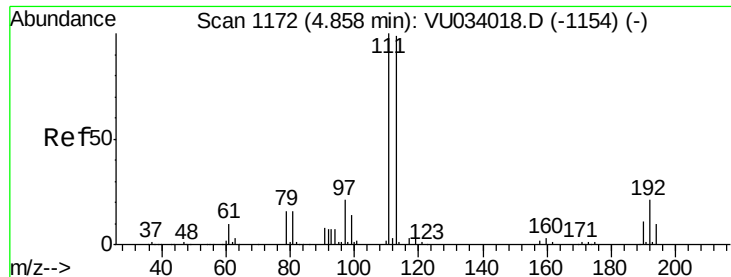
Tot Ion: 65 Resp: 267117  
 Ion Ratio Lower Upper  
 65 100  
 67 54.8 0.0 110.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.87 min Scan# 1486  
 Delta R.T. 0.00 min  
 Lab File: VU034261.D  
 Acq: 04 Sep 2019 16:31

Tgt Ion: 114 Resp: 692658  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 0.0 42.0  
 88 15.7 0.0 32.0

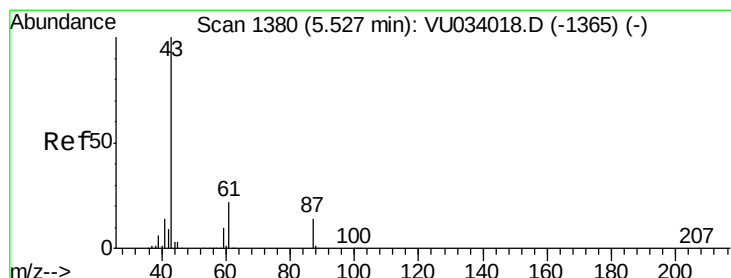
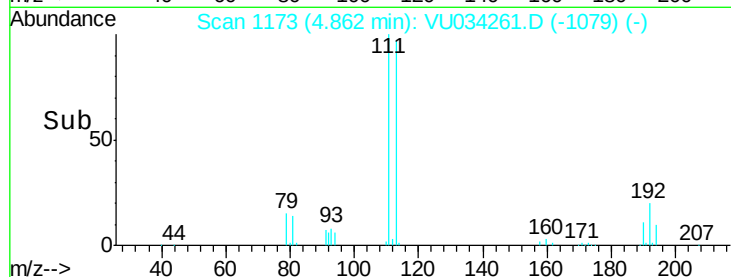
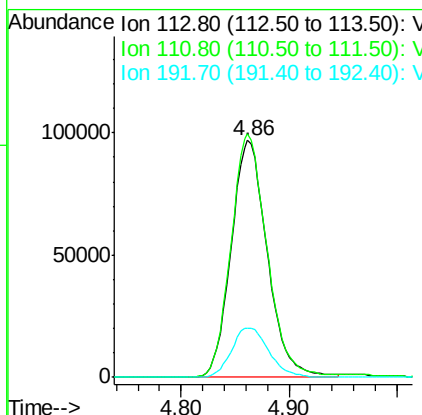
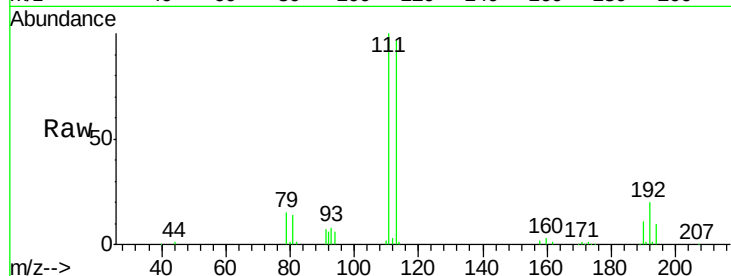




#35  
 Dibromofluoromethane  
 Concen: 47.100 ug/l  
 RT: 4.86 min Scan# 1173  
 Delta R.T. 0.00 min  
 Lab File: VU034261.D  
 Acq: 04 Sep 2019 16:31

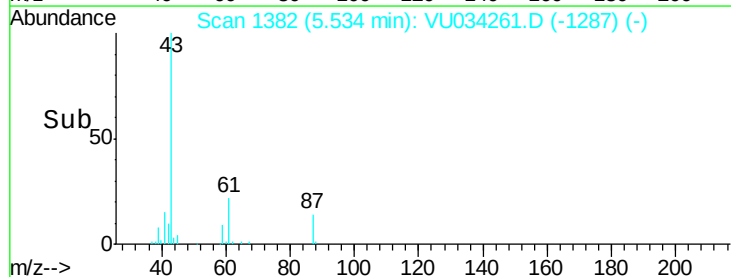
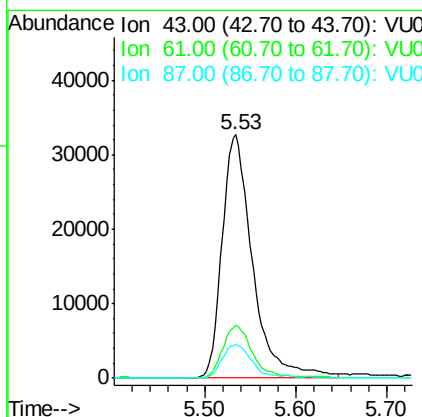
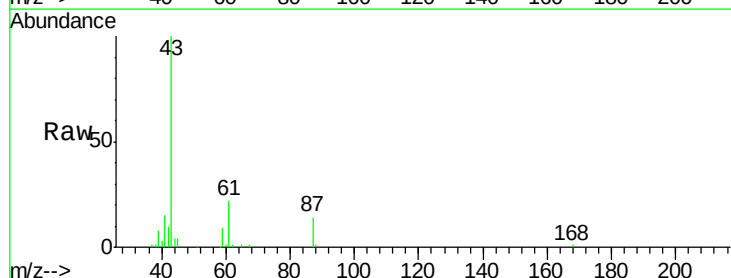
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T7-S-G1-(2.5)

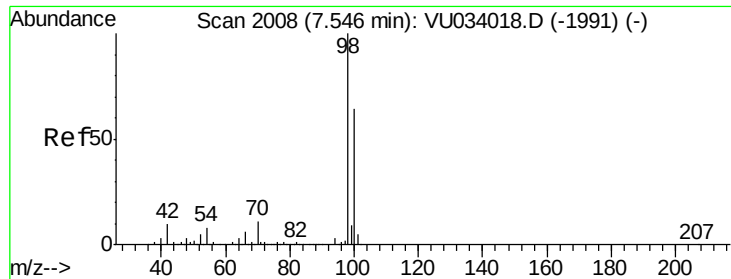
Tot Ion:113 Resp: 226279  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 81.7 122.5  
 192 21.7 17.1 25.7



#43  
 Isopropyl Acetate  
 Concen: 6.837 ug/l  
 RT: 5.53 min Scan# 1382  
 Delta R.T. 0.01 min  
 Lab File: VU034261.D  
 Acq: 04 Sep 2019 16:31

Tgt Ion: 43 Resp: 76310  
 Ion Ratio Lower Upper  
 43 100  
 61 21.5 17.2 25.8  
 87 13.1 10.8 16.2

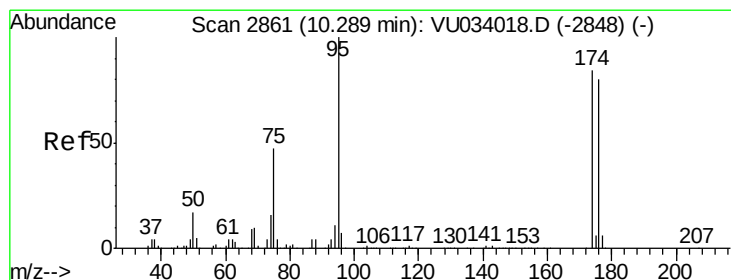
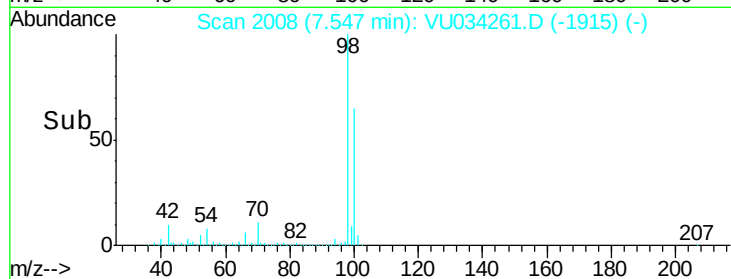
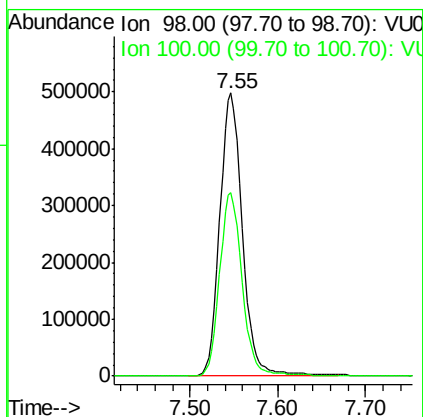
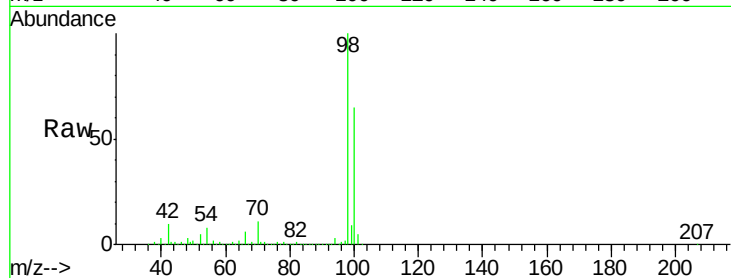




#50  
Toluene-d8  
Concen: 49.845 ug/l  
RT: 7.55 min Scan# 2008  
Delta R.T. 0.00 min  
Lab File: VU034261.D  
Acq: 04 Sep 2019 16:31

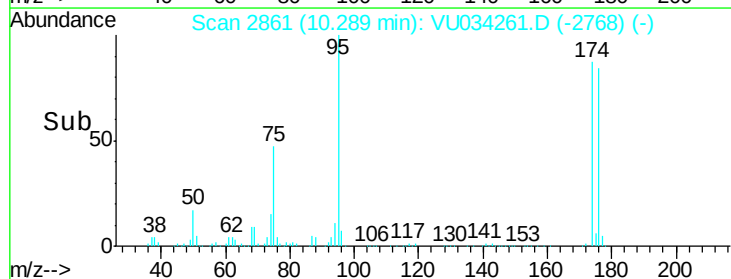
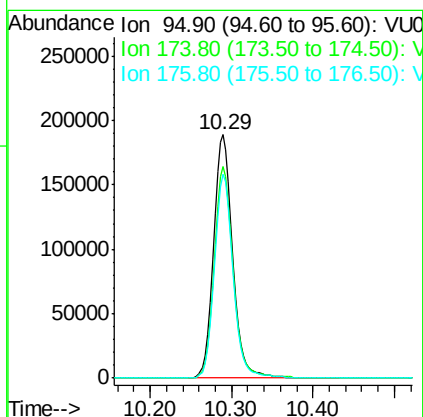
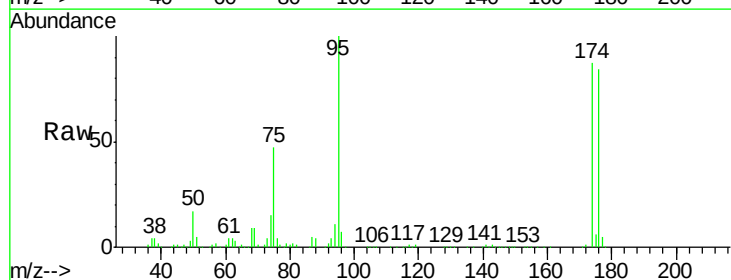
Instrument :  
MSVOA\_U  
ClientSampled :  
T7-S-G1-(2.5)

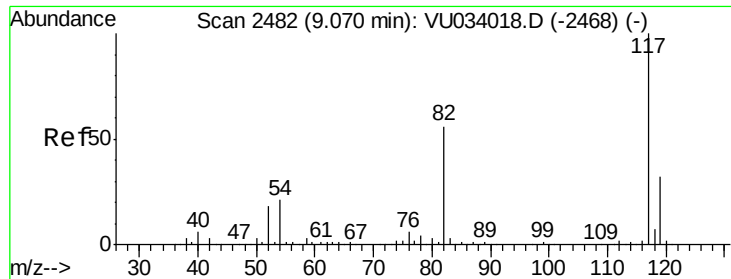
Tot Ion: 98 Resp: 896649  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 44.691 ug/l  
RT: 10.29 min Scan# 2861  
Delta R.T. 0.00 min  
Lab File: VU034261.D  
Acq: 04 Sep 2019 16:31

Tgt Ion: 95 Resp: 312722  
Ion Ratio Lower Upper  
95 100  
174 86.8 0.0 168.8  
176 82.0 0.0 161.8

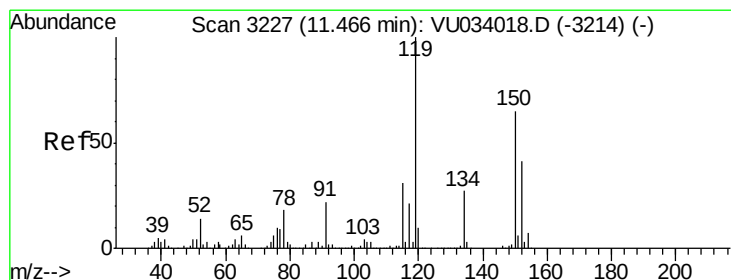
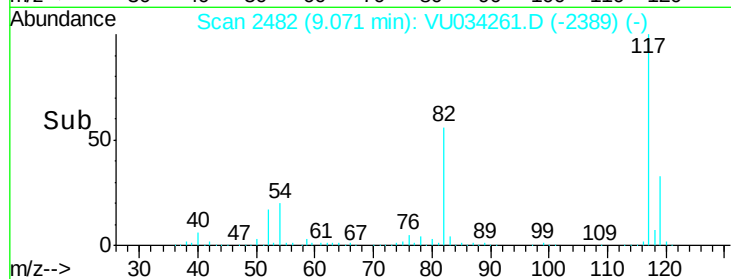
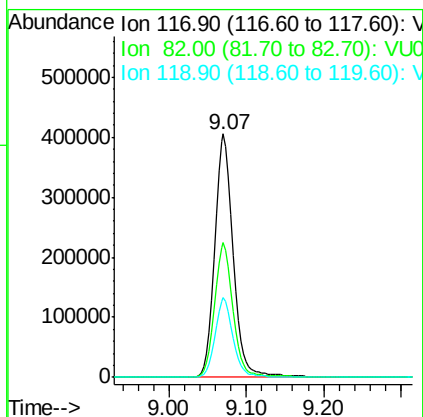
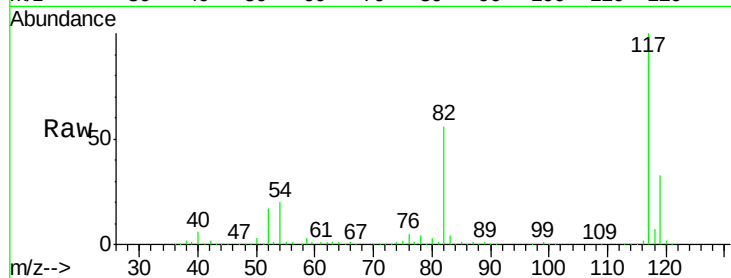




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034261.D  
Acq: 04 Sep 2019 16:31

Instrument :  
MSVOA\_U  
ClientSampleId :  
T7-S-G1-(2.5)

Tot Ion:117 Resp: 693461  
Ion Ratio Lower Upper  
117 100  
82 55.5 45.1 67.7  
119 32.8 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.46 min Scan# 3226  
Delta R.T. -0.00 min  
Lab File: VU034261.D  
Acq: 04 Sep 2019 16:31

Tgt Ion:152 Resp: 334949  
Ion Ratio Lower Upper  
152 100  
115 56.2 41.1 123.3  
150 156.8 0.0 348.8

