

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090519\  
 Data File : VU034265.D  
 Acq On : 04 Sep 2019 18:04  
 Operator : JC/SP  
 Sample : K4547-37  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T12-1-(2.5)

Quant Time: Sep 05 05:05:58 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

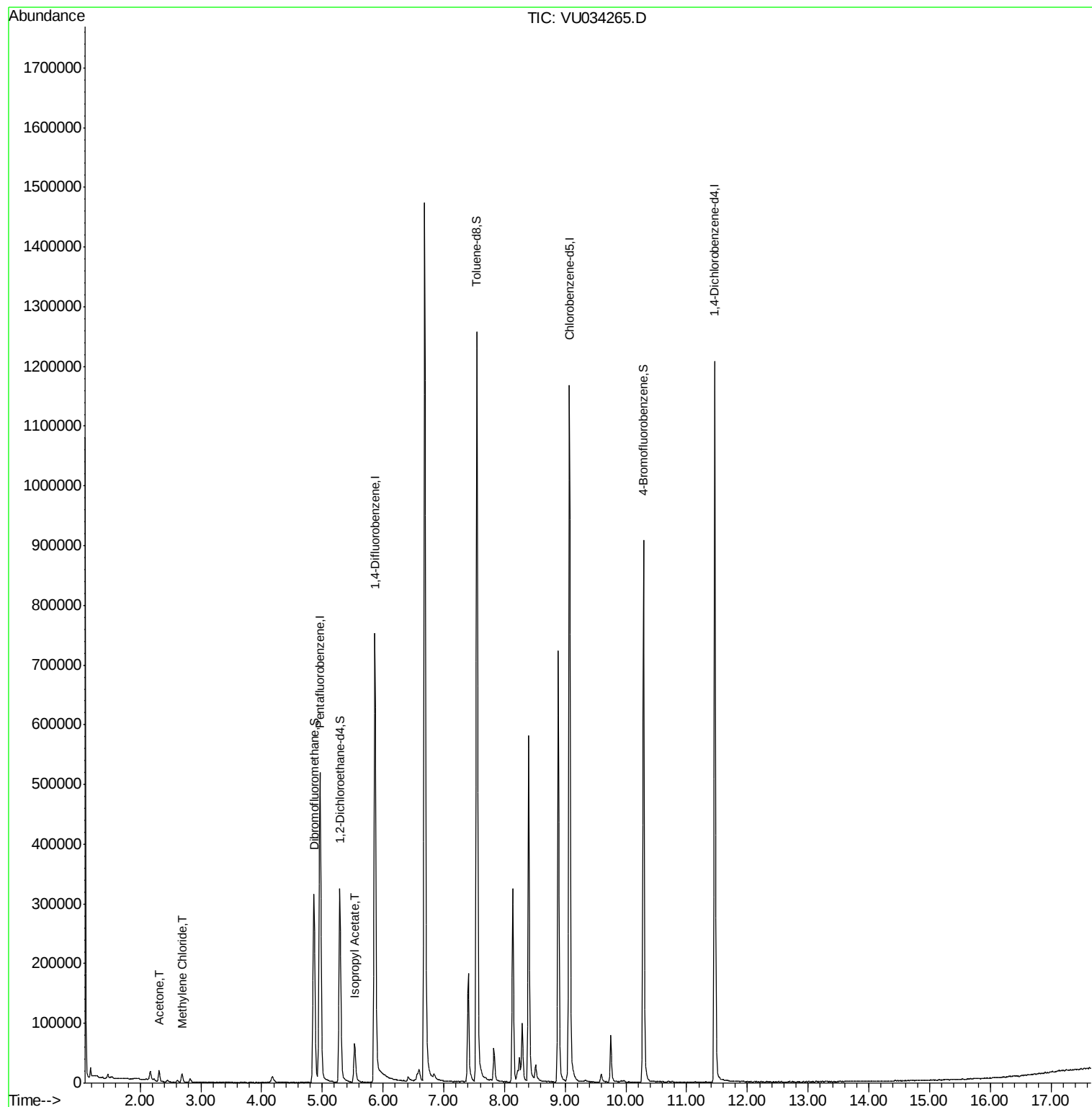
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 424479   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.87  | 114  | 670783   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 687139   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.46 | 152  | 335188   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 262959   | 48.35 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.70%  |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 225006   | 48.36 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.72%  |          |
| 50) Toluene-d8              | 7.55  | 98   | 896591   | 51.47 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.94% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 307880   | 45.43 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.86%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.31  | 43   | 20788    | 7.491 | ug/l    | 96       |
| 20) Methylene Chloride      | 2.69  | 84   | 6831     | 1.300 | ug/l    | 94       |
| 43) Isopropyl Acetate       | 5.53  | 43   | 76396    | 7.068 | ug/l    | 100      |

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

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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: VU034265.D

Acq: 04 Sep 2019 18:04

Instrument :

MSVOA\_U

ClientSampleId :

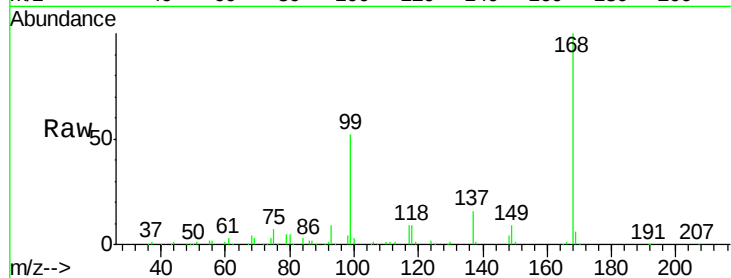
T12-1-(2.5)

Tot Ion:168 Resp: 424479

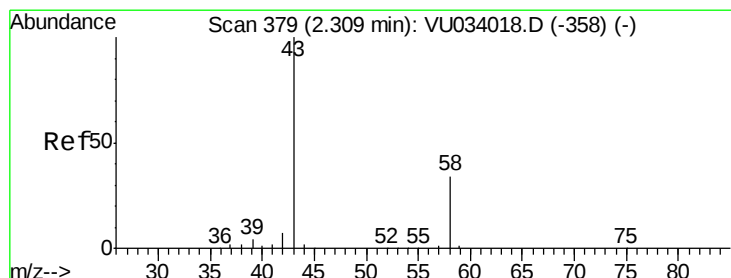
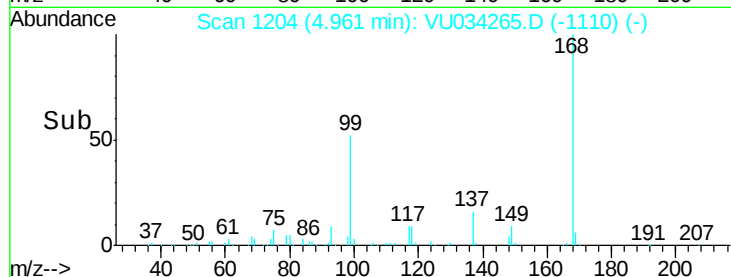
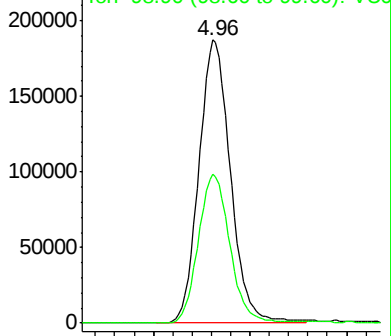
Ion Ratio Lower Upper

168 100

99 52.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)



#16

Acetone

Concen: 7.491 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034265.D

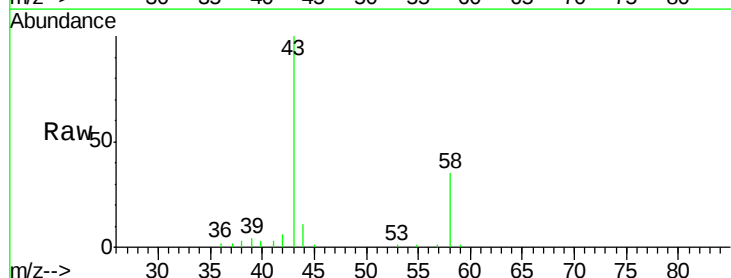
Acq: 04 Sep 2019 18:04

Tgt Ion: 43 Resp: 20788

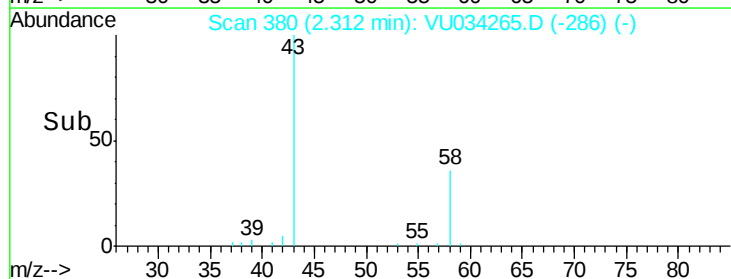
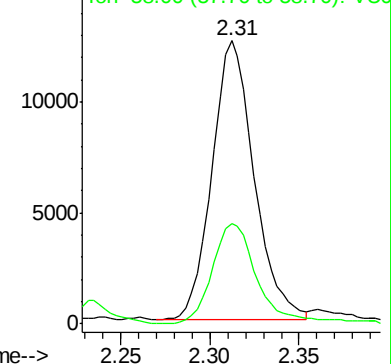
Ion Ratio Lower Upper

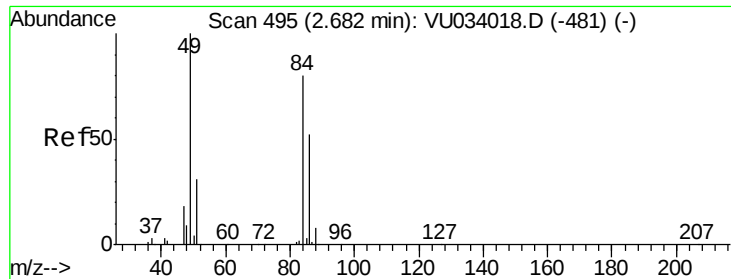
43 100

58 35.8 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-358) (-)

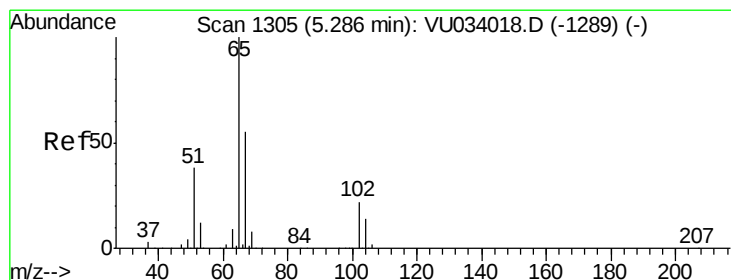
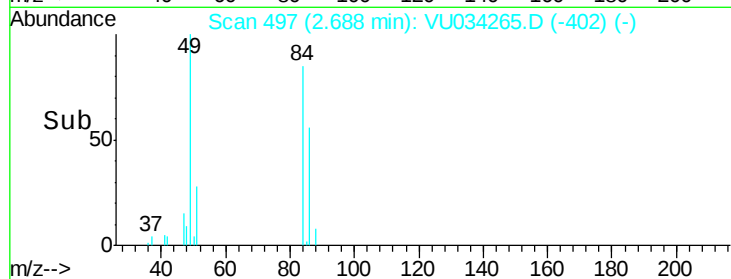
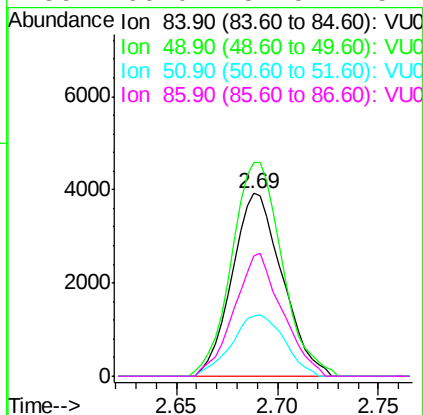
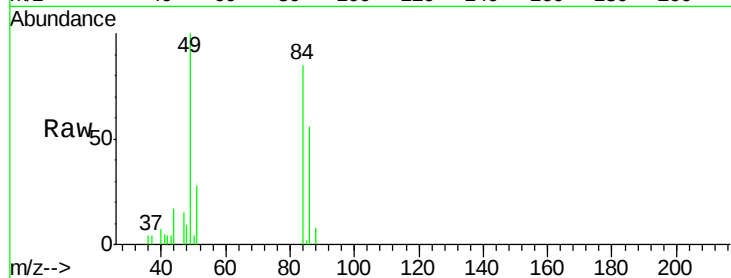




#20  
Methvlene Chloride  
Concen: 1.300 ug/l  
RT: 2.69 min Scan# 497  
Delta R.T. 0.01 min  
Lab File: VU034265.D  
Acq: 04 Sep 2019 18:04

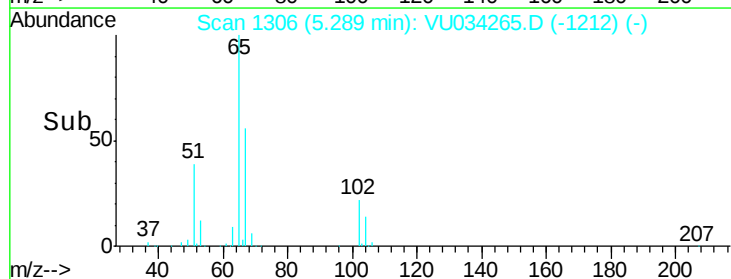
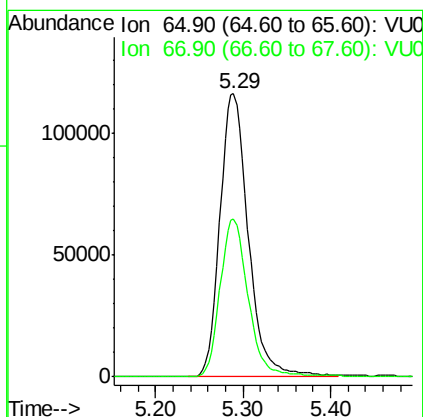
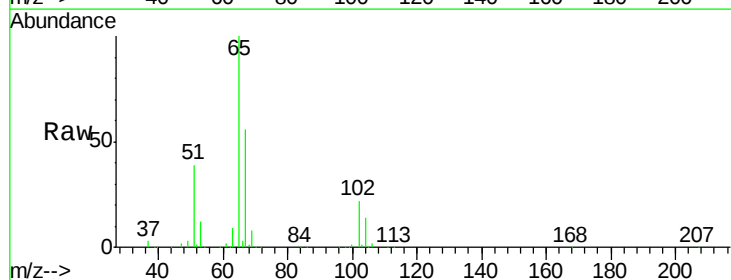
Instrument :  
MSVOA\_U  
ClientSampleId :  
T12-1-(2.5)

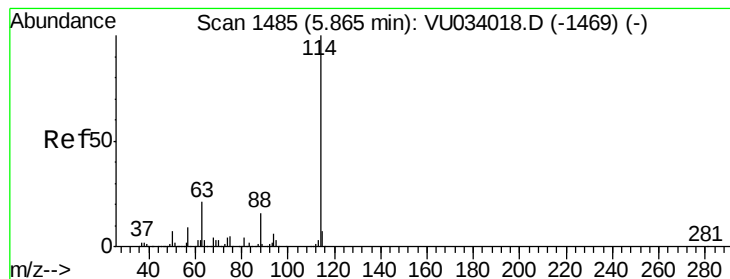
Tot Ion: 84 Resp: 6831  
Ion Ratio Lower Upper  
84 100  
49 117.0 100.2 150.4  
51 33.0 30.8 46.2  
86 66.0 52.5 78.7



#33  
1,2-Dichloroethane-d4  
Concen: 48.347 ug/l  
RT: 5.29 min Scan# 1306  
Delta R.T. 0.00 min  
Lab File: VU034265.D  
Acq: 04 Sep 2019 18:04

Tgt Ion: 65 Resp: 262959  
Ion Ratio Lower Upper  
65 100  
67 55.1 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: VU034265.D

Acq: 04 Sep 2019 18:04

Instrument :

MSVOA\_U

ClientSampleId :

T12-1-(2.5)

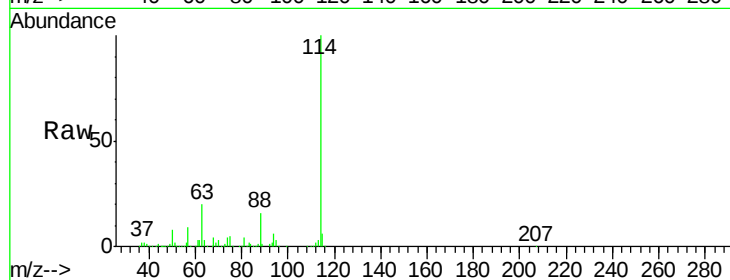
Tot Ion:114 Resp: 670783

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.0

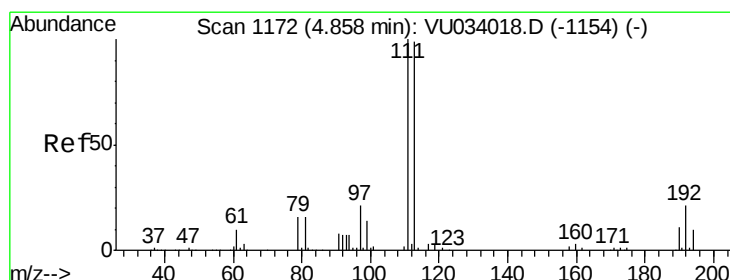
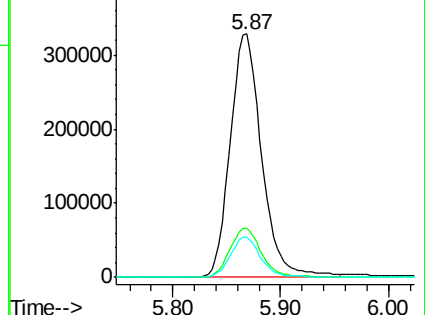
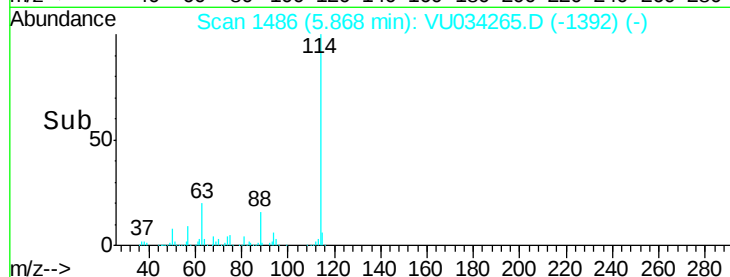
88 16.3 0.0 32.0



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: 48.362 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034265.D

Acq: 04 Sep 2019 18:04

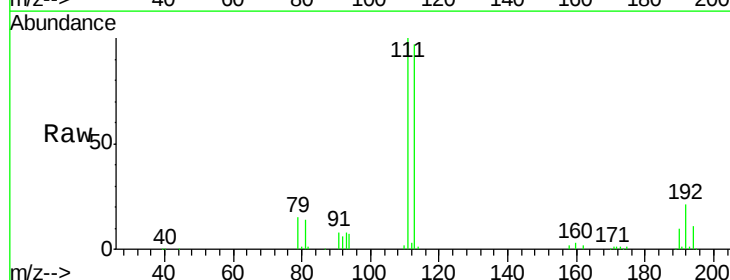
Tgt Ion:113 Resp: 225006

Ion Ratio Lower Upper

113 100

111 102.4 81.7 122.5

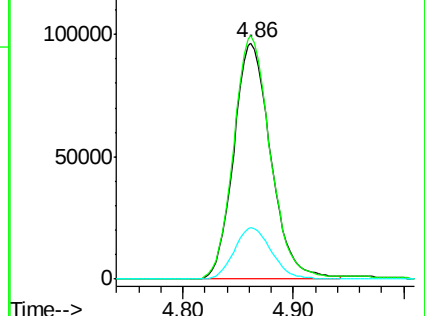
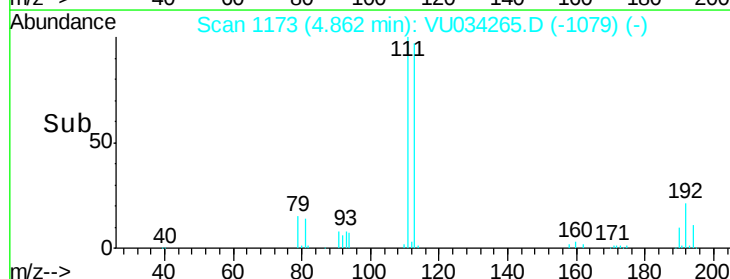
192 22.1 17.1 25.7



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





#43

Isopropyl Acetate

Concen: 7.068 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034265.D

Acq: 04 Sep 2019 18:04

Instrument :

MSVOA\_U

ClientSampleId :

T12-1-(2.5)

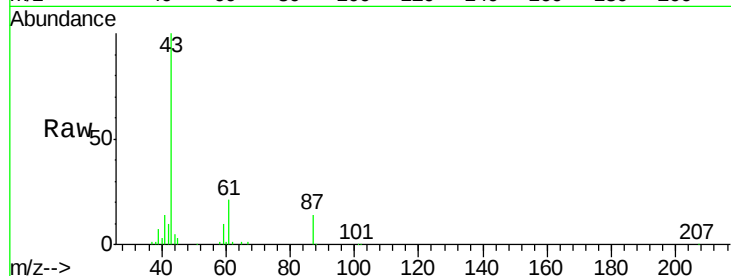
Tot Ion: 43 Resp: 76396

Ion Ratio Lower Upper

43 100

61 21.6 17.2 25.8

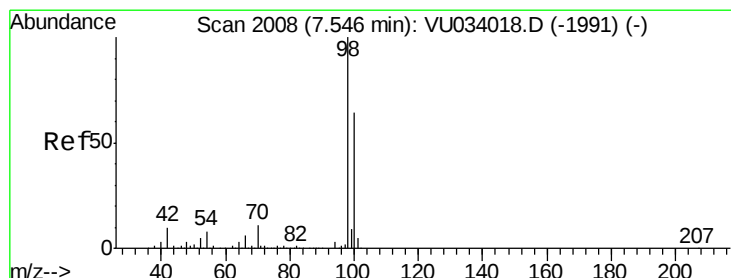
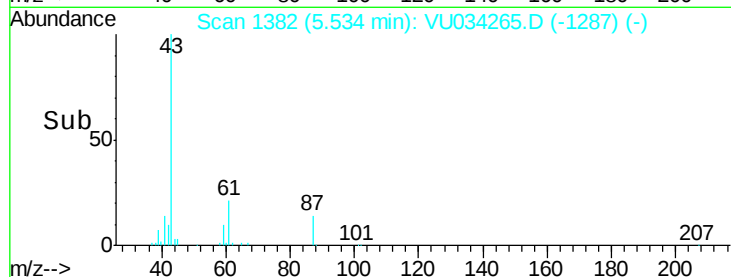
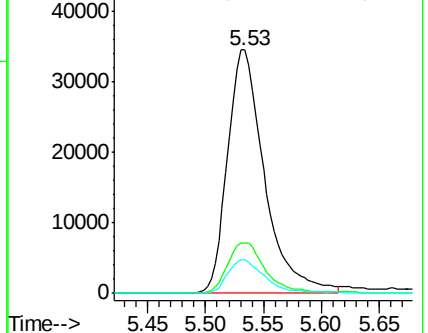
87 13.8 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1365) (-)

Ion 61.00 (60.70 to 61.70): VU034018.D (-1365) (-)

Ion 87.00 (86.70 to 87.70): VU034018.D (-1365) (-)



#50

Toluene-d8

Concen: 51.467 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034265.D

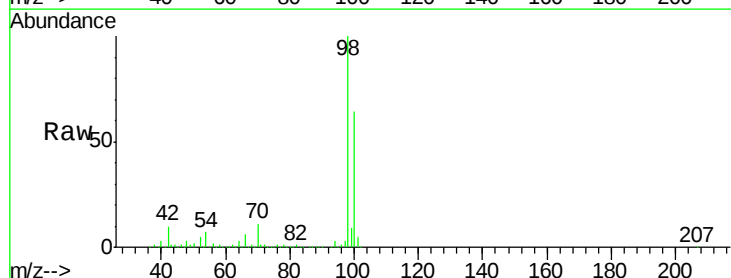
Acq: 04 Sep 2019 18:04

Tgt Ion: 98 Resp: 896591

Ion Ratio Lower Upper

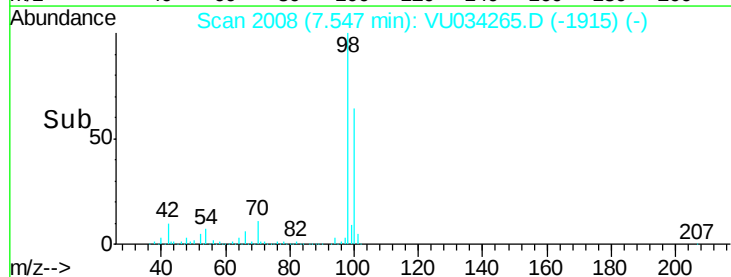
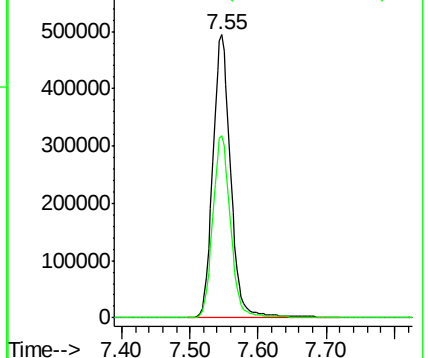
98 100

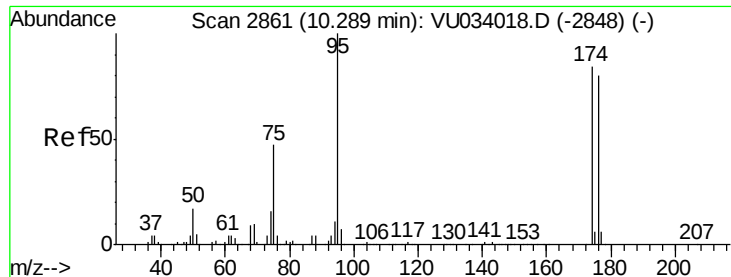
100 64.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU034018.D (-1991) (-)

Ion 100.00 (99.70 to 100.70): VU034018.D (-1991) (-)

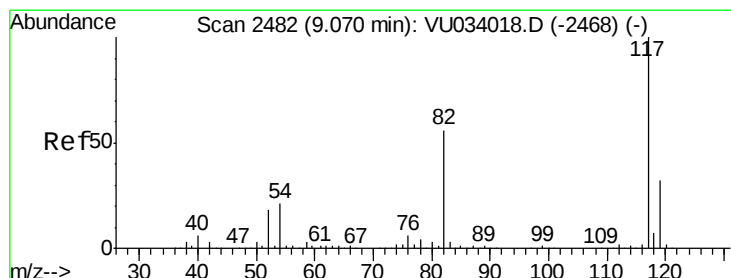
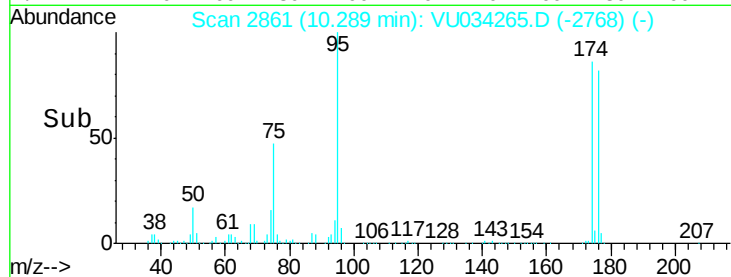
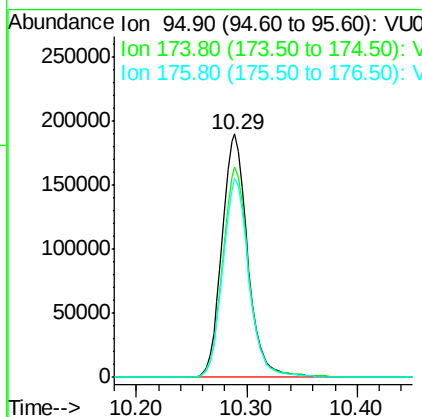
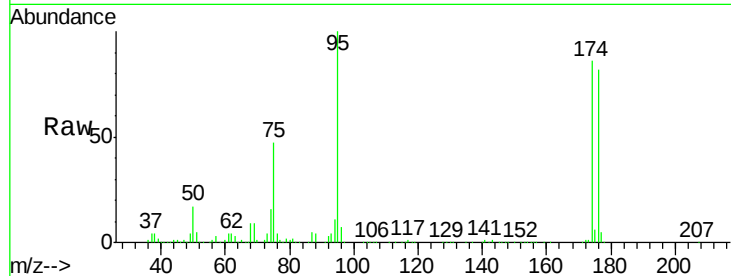




#62  
4-Bromofluorobenzene  
Concen: 45.434 ug/l  
RT: 10.29 min Scan# 2861  
Delta R.T. 0.00 min  
Lab File: VU034265.D  
Acq: 04 Sep 2019 18:04

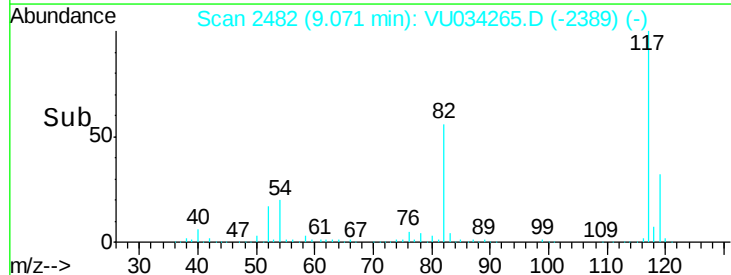
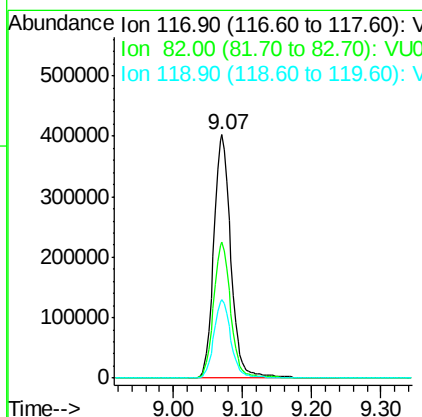
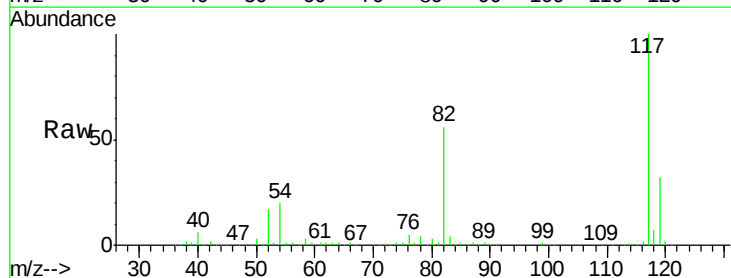
Instrument :  
MSVOA\_U  
ClientSampleId :  
T12-1-(2.5)

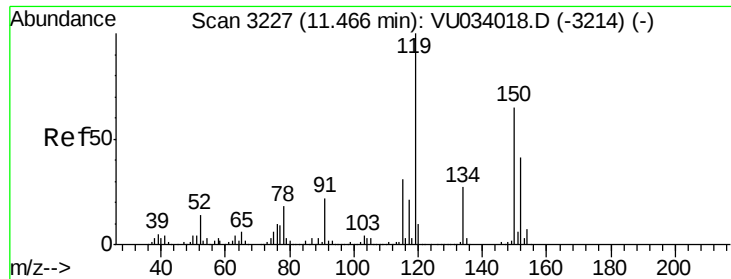
Tot Ion: 95 Resp: 307880  
Ion Ratio Lower Upper  
95 100  
174 87.4 0.0 168.8  
176 82.9 0.0 161.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034265.D  
Acq: 04 Sep 2019 18:04

Tgt Ion: 117 Resp: 687139  
Ion Ratio Lower Upper  
117 100  
82 55.9 45.1 67.7  
119 32.5 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: VU034265.D

Acq: 04 Sep 2019 18:04

Instrument :

MSVOA\_U

ClientSampleId :

T12-1-(2.5)

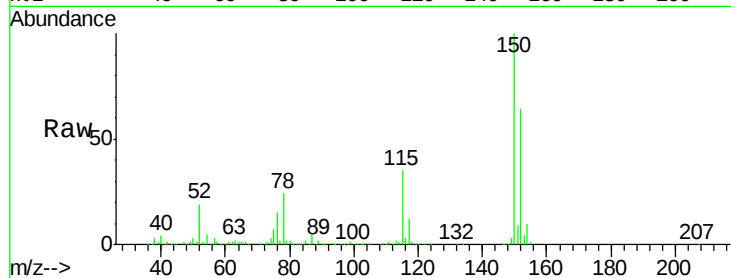
Tot Ion:152 Resp: 335188

Ion Ratio Lower Upper

152 100

115 55.7 41.1 123.3

150 156.7 0.0 348.8



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

