

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\  
 Data File : VU034077.D  
 Acq On : 29 Aug 2019 21:06  
 Operator : JC/SP  
 Sample : K4528-28  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T9-12-13-R-(0)

Quant Time: Aug 30 05:32:04 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

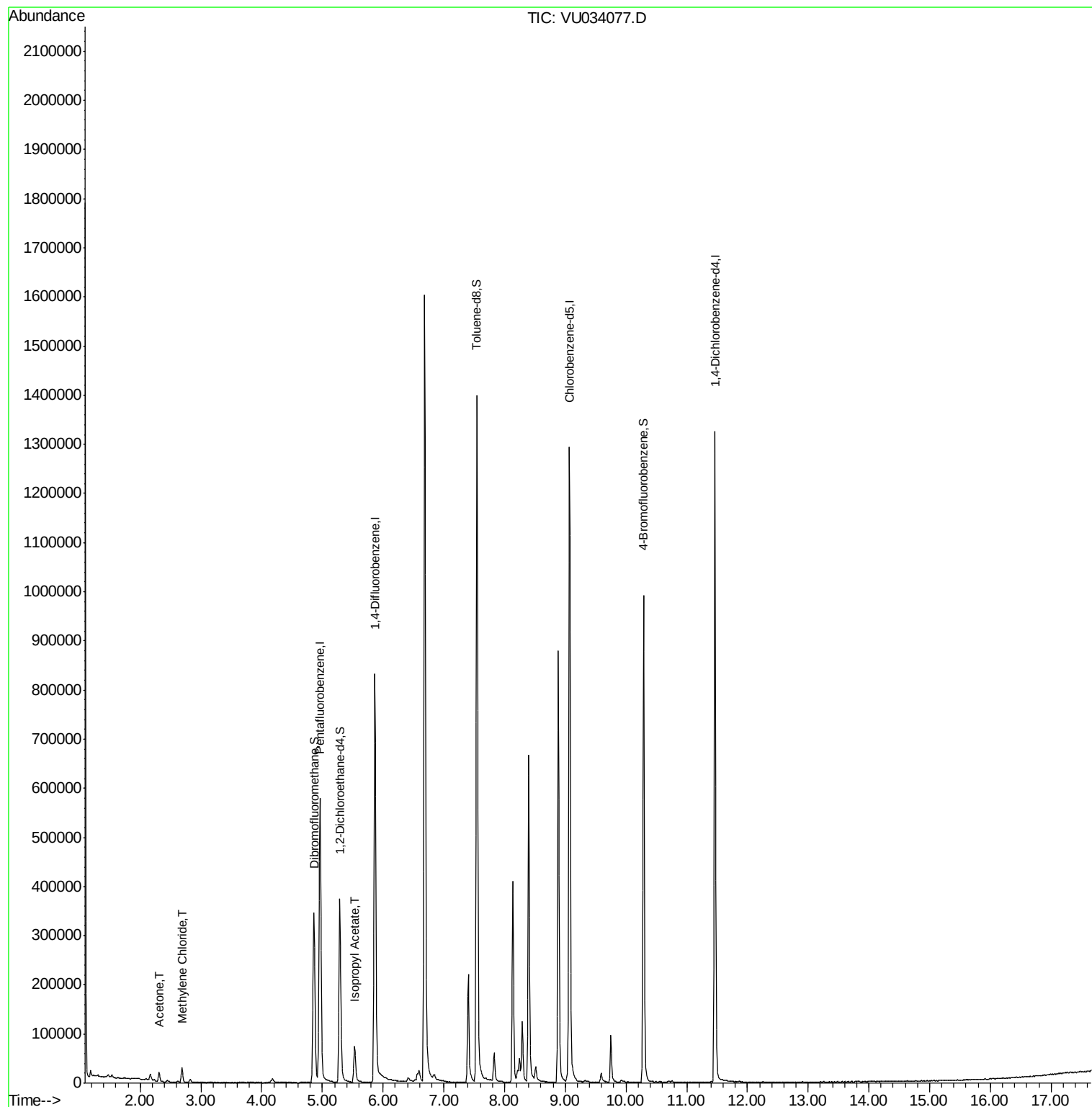
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 467705   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.86  | 114  | 751152   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 747330   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.47 | 152  | 359916   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 298335   | 49.78 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.56%  |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 247741   | 47.55 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.10%  |          |
| 50) Toluene-d8              | 7.55  | 98   | 975481   | 50.00 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.00% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 341836   | 45.05 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.10%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.31  | 43   | 22491    | 7.355 | ug/l    | 98       |
| 20) Methylene Chloride      | 2.69  | 84   | 13240    | 2.287 | ug/l    | 97       |
| 43) Isopropyl Acetate       | 5.53  | 43   | 86424    | 7.140 | ug/l    | 100      |

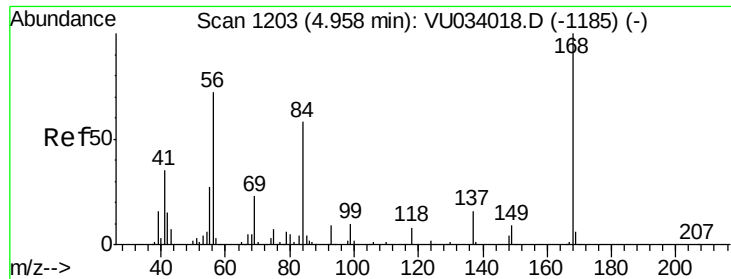
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034077.D

Acq: 29 Aug 2019 21:06

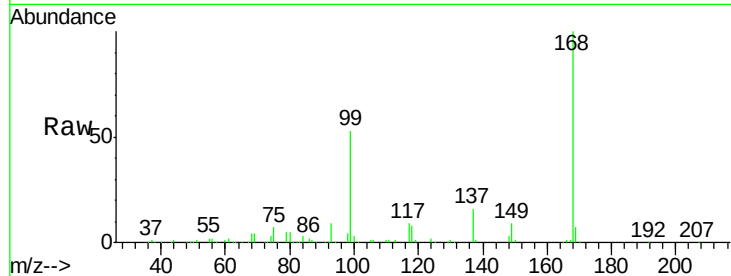
Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-R-(0)

Tot Ion:168 Resp: 467705

Ion Ratio Lower Upper

168 100

99 52.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034077.D (-1110) (-)

Ion 98.90 (98.60 to 99.60): VU034077.D (-1110) (-)

4.96

200000

150000

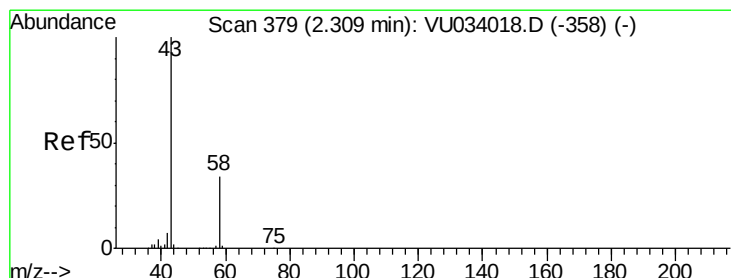
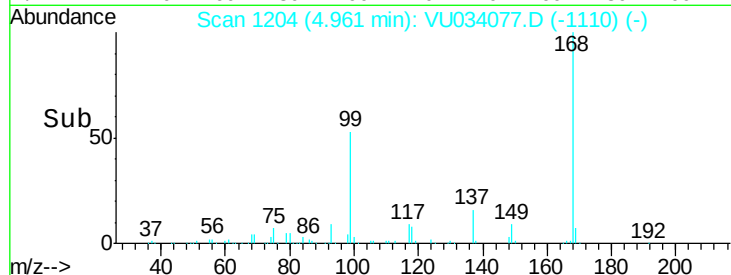
100000

50000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 7.355 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034077.D

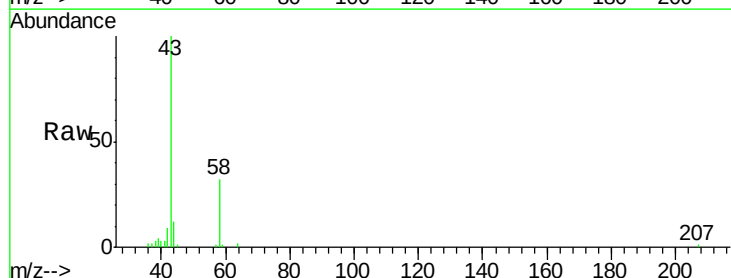
Acq: 29 Aug 2019 21:06

Tgt Ion: 43 Resp: 22491

Ion Ratio Lower Upper

43 100

58 32.3 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034077.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034077.D (-286) (-)

2.31

15000

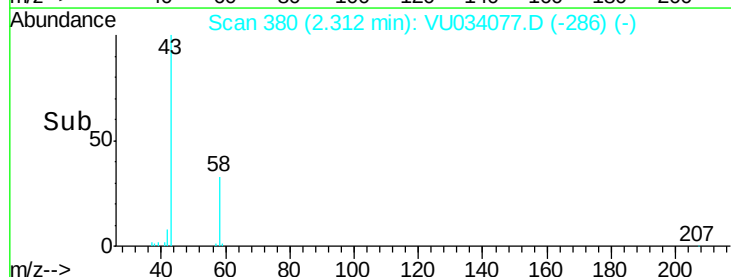
10000

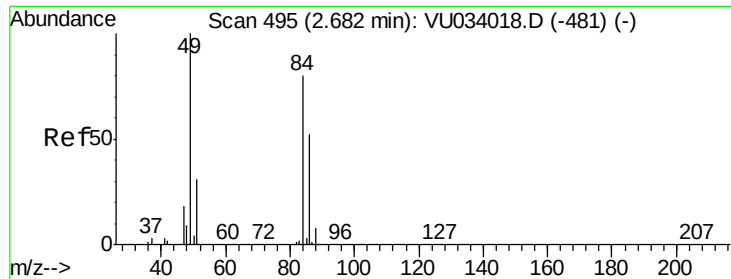
5000

0

2.25 2.30 2.35

Time-->

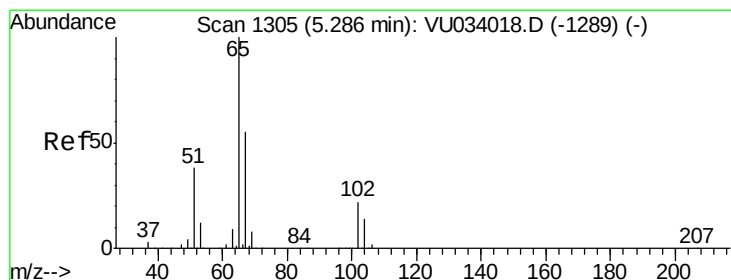
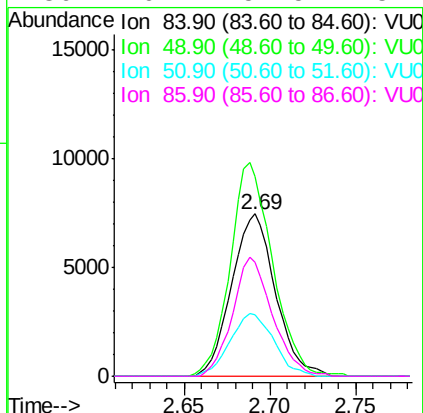
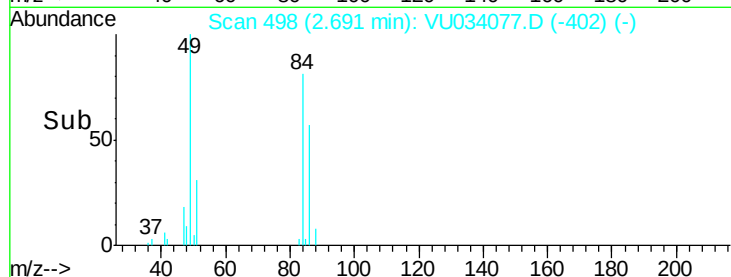
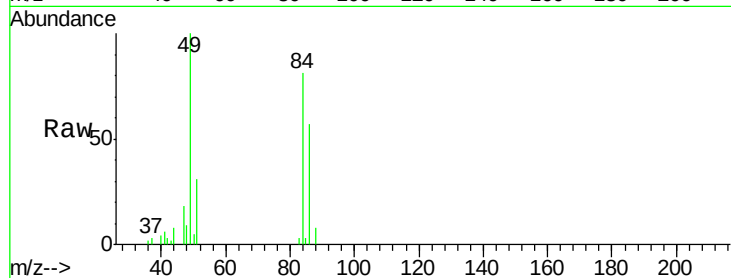




#20  
Methylene Chloride  
Concen: 2.287 ug/l  
RT: 2.69 min Scan# 498  
Delta R.T. 0.01 min  
Lab File: VU034077.D  
Acq: 29 Aug 2019 21:06

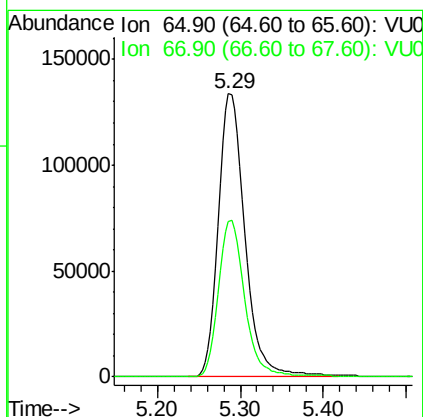
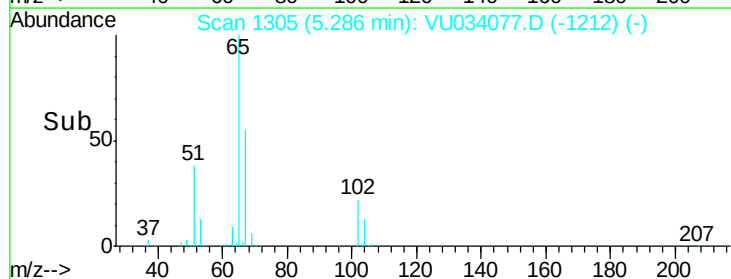
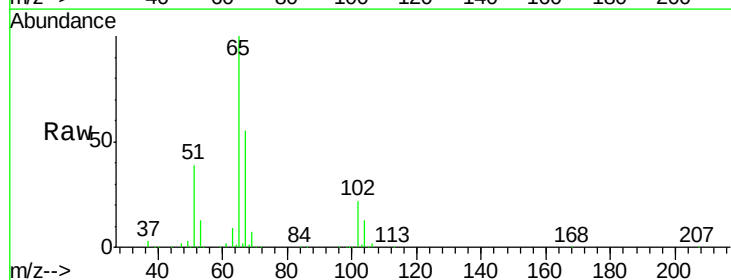
Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-R-(0)

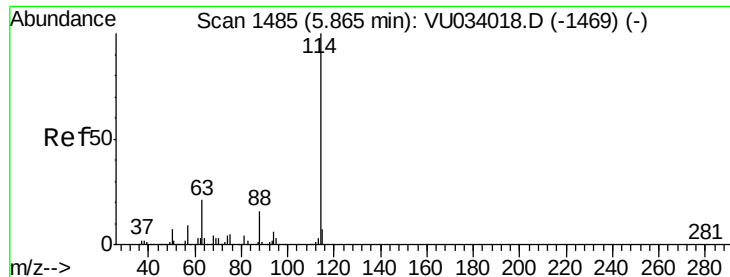
| Tot Ion: | 84    | Resp: | 13240 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 122.8 | 100.2 | 150.4 |
| 51       | 37.9  | 30.8  | 46.2  |
| 86       | 70.1  | 52.5  | 78.7  |



#33  
1,2-Dichloroethane-d4  
Concen: 49.781 ug/l  
RT: 5.29 min Scan# 1305  
Delta R.T. 0.00 min  
Lab File: VU034077.D  
Acq: 29 Aug 2019 21:06

| Tgt Ion: | 65    | Resp: | 298335 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.5  | 0.0   | 110.6  |

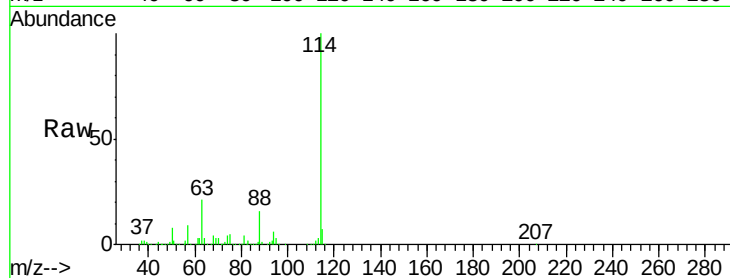




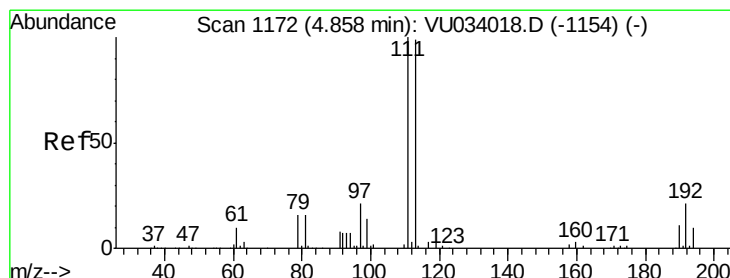
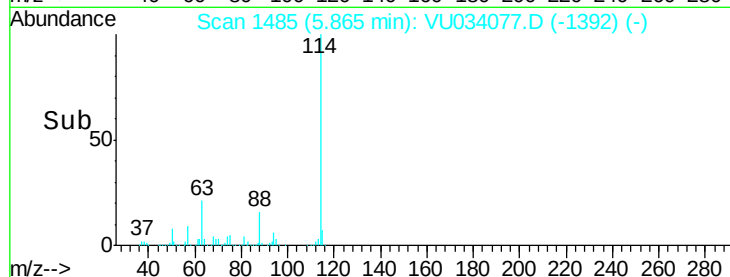
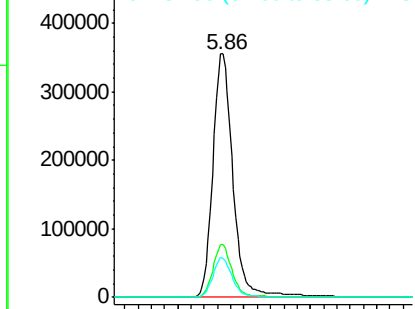
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.86 min Scan# 1485  
 Delta R.T. 0.00 min  
 Lab File: VU034077.D  
 Acq: 29 Aug 2019 21:06

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T9-12-13-R-(0)

Tot Ion:114 Resp: 751152  
 Ion Ratio Lower Upper  
 114 100  
 63 21.5 0.0 42.0  
 88 16.4 0.0 32.0

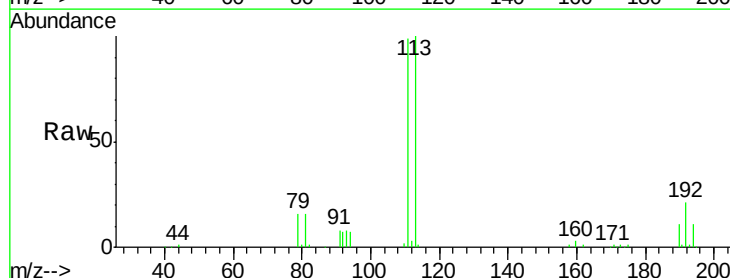


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VU0  
 Ion 87.90 (87.60 to 88.60): VU0

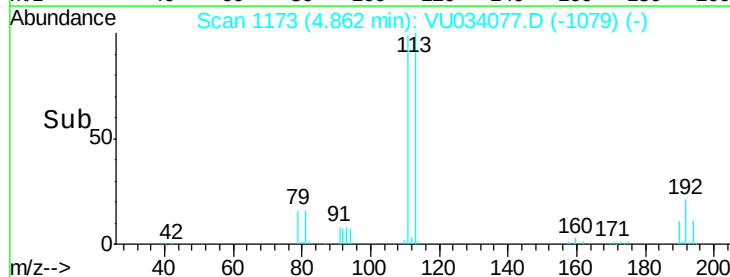
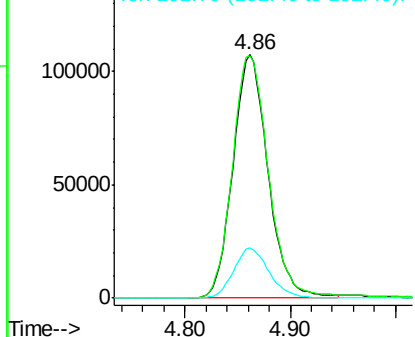


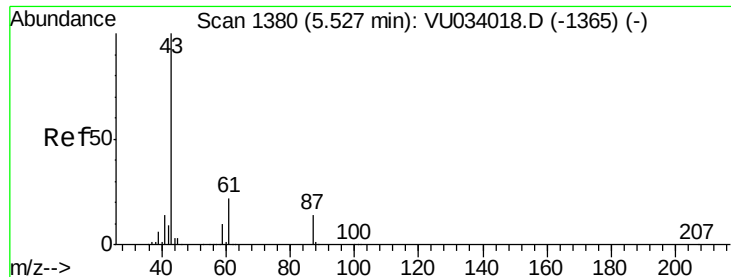
#35  
 Dibromofluoromethane  
 Concen: 47.552 ug/l  
 RT: 4.86 min Scan# 1173  
 Delta R.T. 0.00 min  
 Lab File: VU034077.D  
 Acq: 29 Aug 2019 21:06

Tgt Ion:113 Resp: 247741  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 81.7 122.5  
 192 20.8 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: 7.140 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034077.D

Acq: 29 Aug 2019 21:06

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-R-(0)

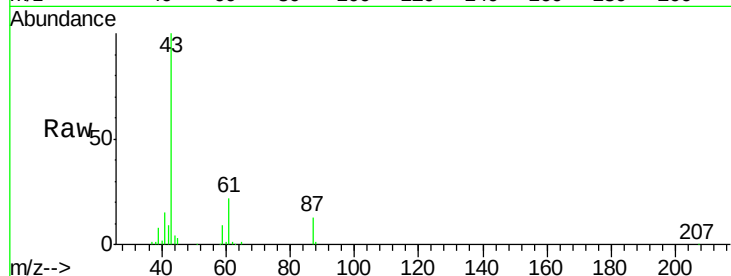
Tot Ion: 43 Resp: 86424

Ion Ratio Lower Upper

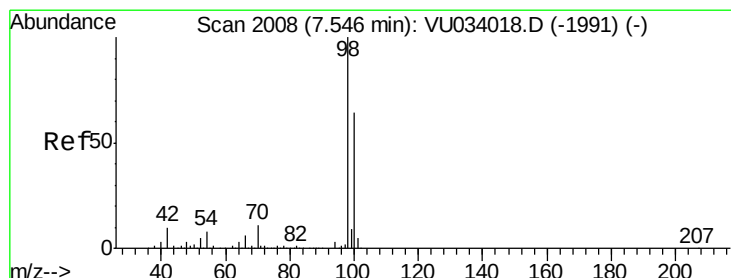
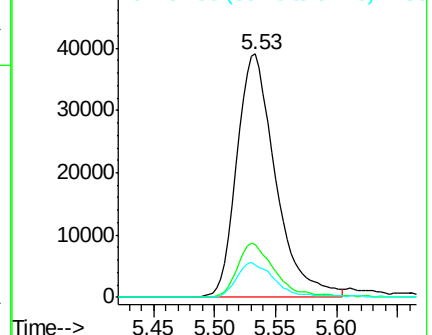
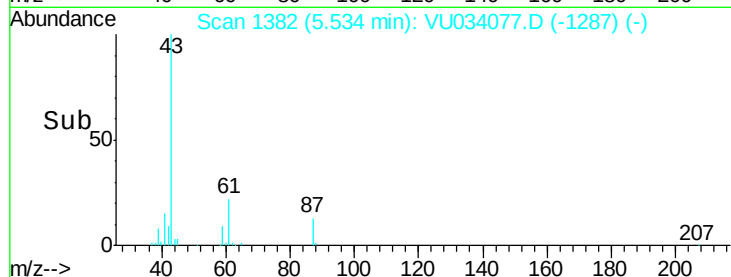
43 100

61 21.7 17.2 25.8

87 13.7 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034077.D (-1287) (-)



#50

Toluene-d8

Concen: 50.004 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034077.D

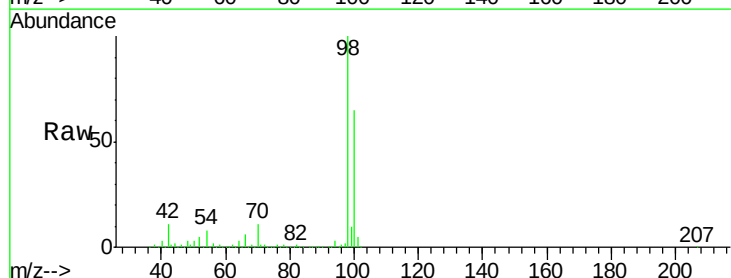
Acq: 29 Aug 2019 21:06

Tgt Ion: 98 Resp: 975481

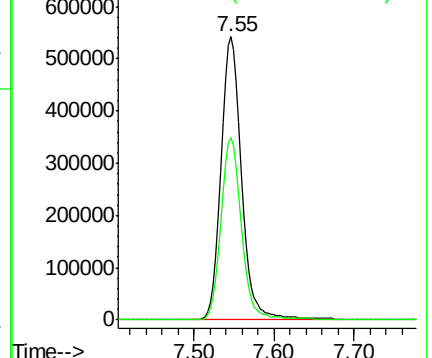
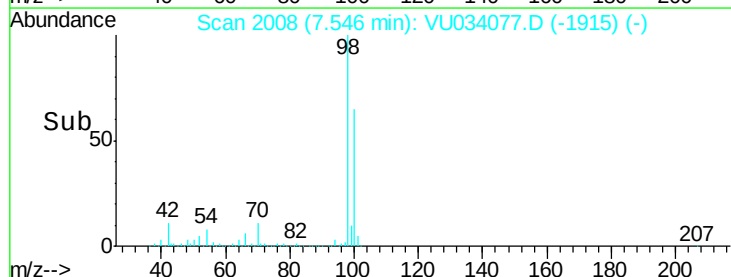
Ion Ratio Lower Upper

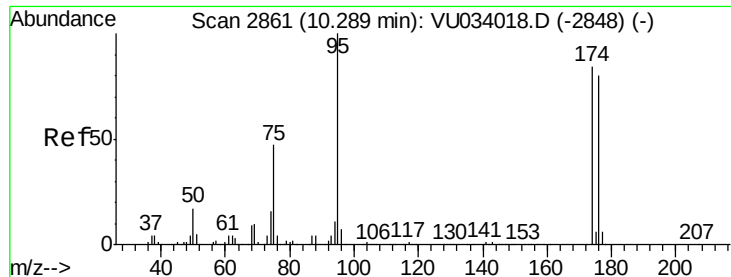
98 100

100 64.5 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU034077.D (-1915) (-)





#62

4-Bromofluorobenzene

Concen: 45.047 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034077.D

Acq: 29 Aug 2019 21:06

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-R-(0)

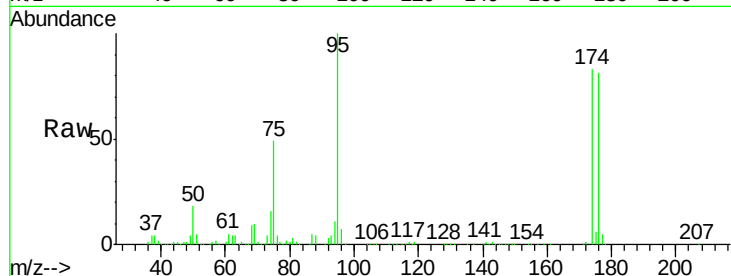
Tot Ion: 95 Resp: 341836

Ion Ratio Lower Upper

95 100

174 83.5 0.0 168.8

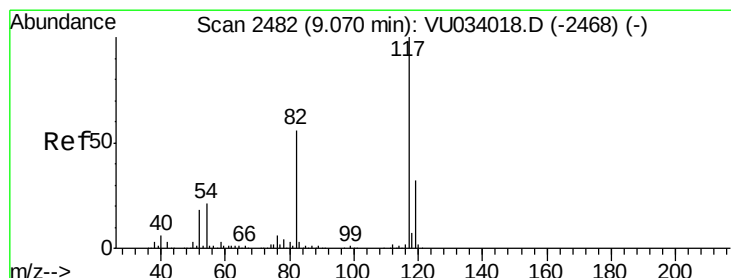
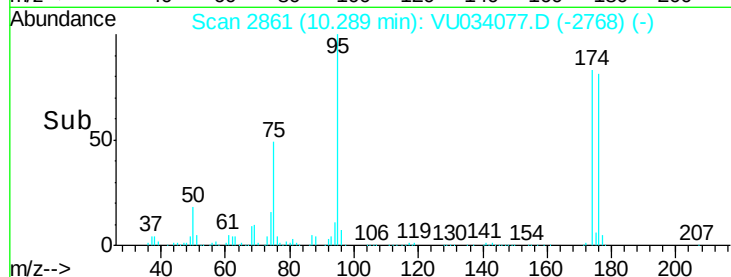
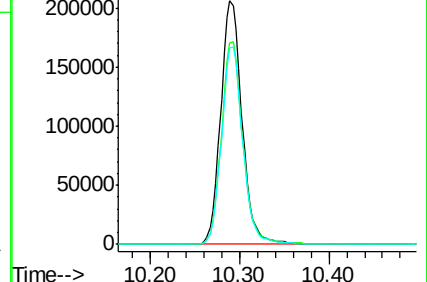
176 81.0 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU034018.D (-2848) (-)

Ion 173.80 (173.50 to 174.50): VU034018.D (-2848) (-)

Ion 175.80 (175.50 to 176.50): VU034018.D (-2848) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034077.D

Acq: 29 Aug 2019 21:06

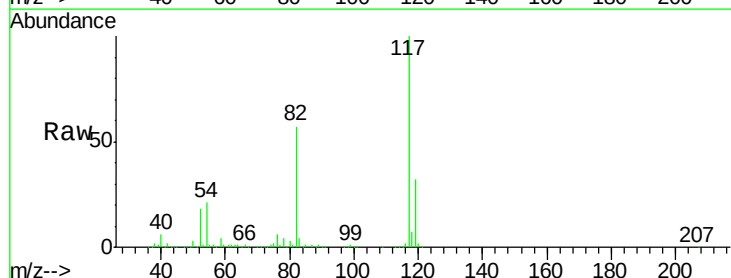
Tgt Ion: 117 Resp: 747330

Ion Ratio Lower Upper

117 100

82 56.6 45.1 67.7

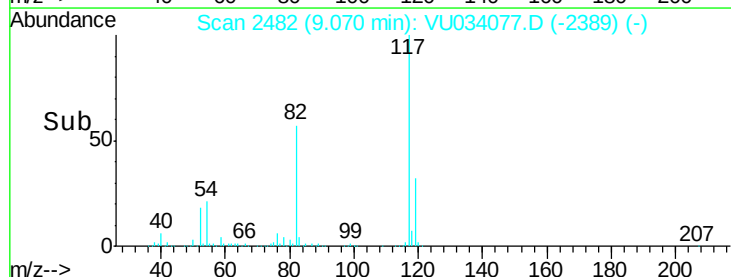
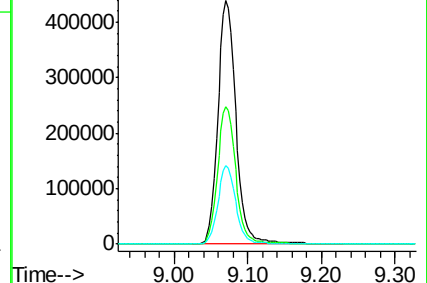
119 32.3 25.4 38.0

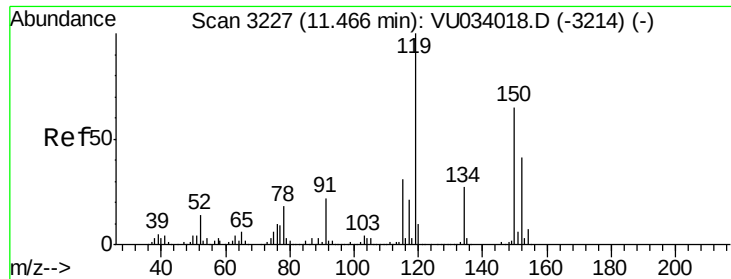


Abundance Ion 116.90 (116.60 to 117.60): VU034018.D (-2468) (-)

Ion 82.00 (81.70 to 82.70): VU034018.D (-2468) (-)

Ion 118.90 (118.60 to 119.60): VU034018.D (-2468) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034077.D

Acq: 29 Aug 2019 21:06

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-R-(0)

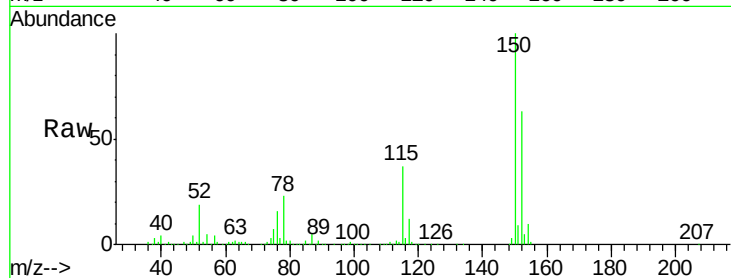
Tot Ion:152 Resp: 359916

Ion Ratio Lower Upper

152 100

115 58.0 41.1 123.3

150 158.0 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

