

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\  
 Data File : VU034034.D  
 Acq On : 28 Aug 2019 19:38  
 Operator : JC/SP  
 Sample : K4577-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GW-2

Quant Time: Aug 29 05:03:57 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

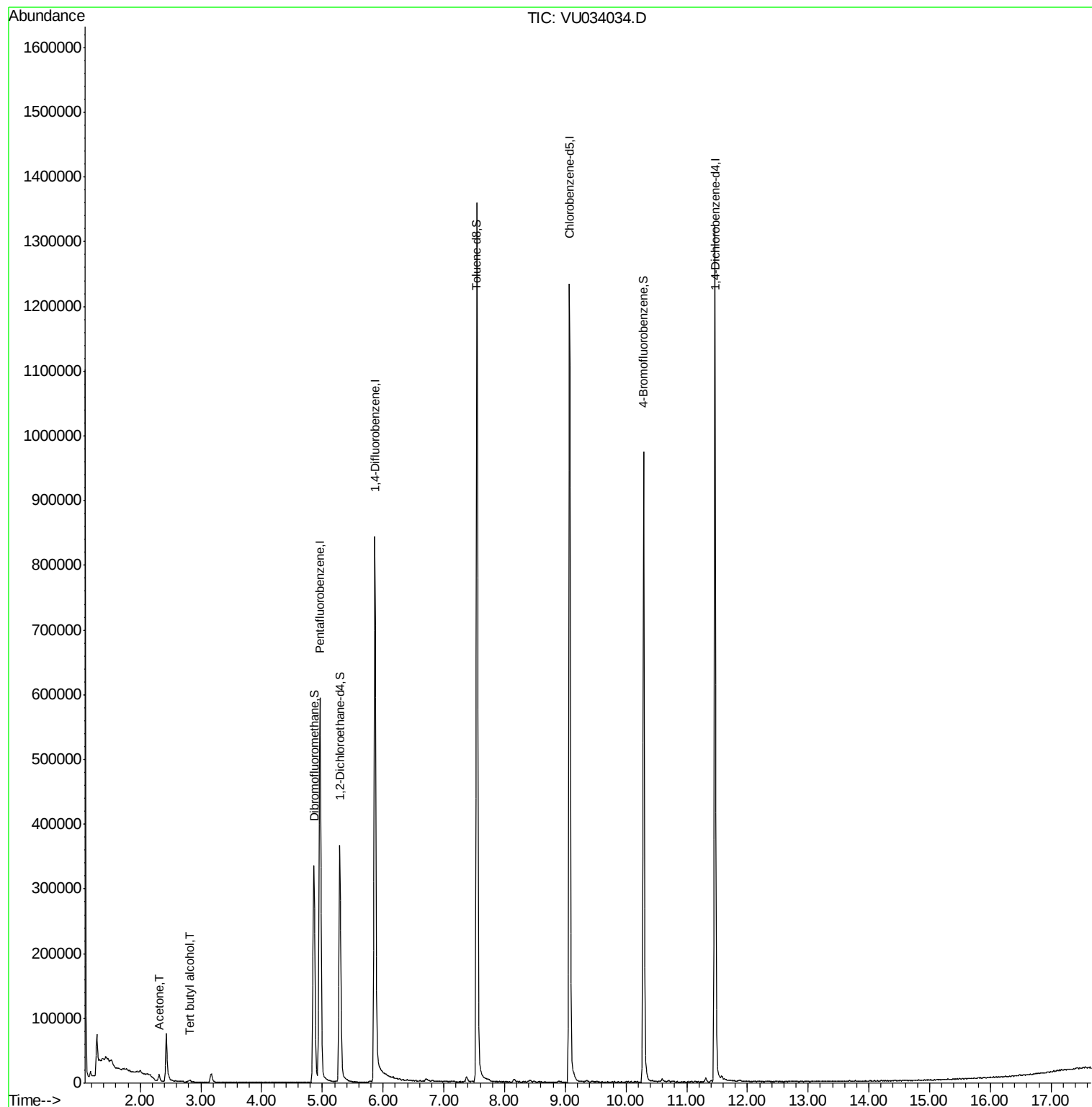
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 480097   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.87  | 114  | 747638   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 714993   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.47 | 152  | 356782   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 297696   | 48.39 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.78% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 241883   | 46.65 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.30% |          |
| 50) Toluene-d8              | 7.55  | 98   | 955103   | 49.19 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.38% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 333657   | 44.18 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.36% |          |
| Target Compounds            |       |      |          |       |        |          |
| 11) Tert butyl alcohol      | 2.81  | 59   | 3808     | 2.684 | ug/l # | 92       |
| 16) Acetone                 | 2.31  | 43   | 10559    | 3.364 | ug/l   | 98       |

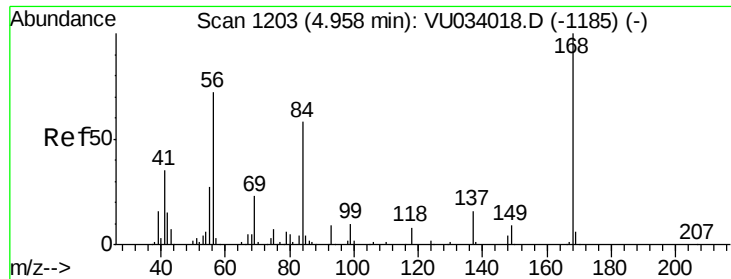
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GW-2

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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: VU034034.D

Acq: 28 Aug 2019 19:38

Instrument :

MSVOA\_U

ClientSampleId :

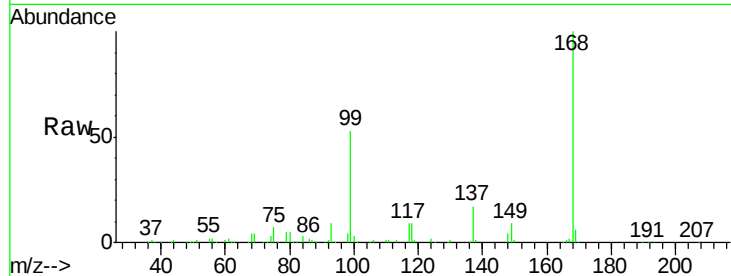
GW-2

Tot Ion:168 Resp: 480097

Ion Ratio Lower Upper

168 100

99 53.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034034.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034034.D (-1185) (-)

4.96

250000

200000

150000

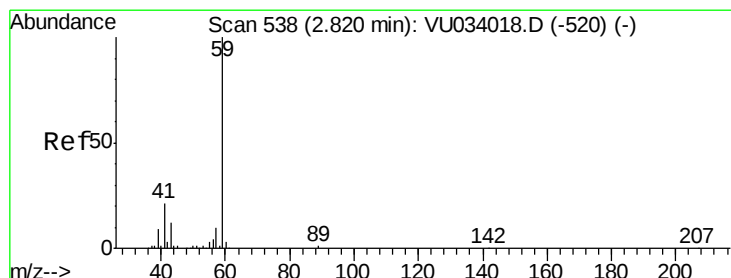
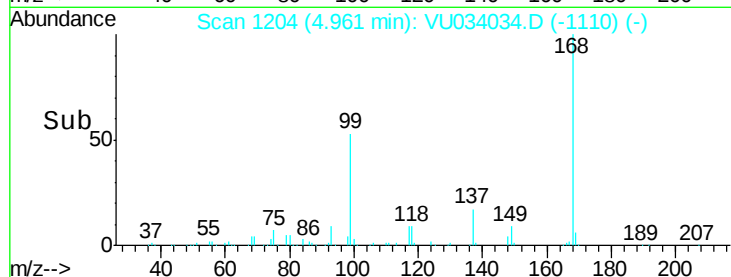
100000

50000

0

4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 2.684 ug/l

RT: 2.81 min Scan# 535

Delta R.T. -0.01 min

Lab File: VU034034.D

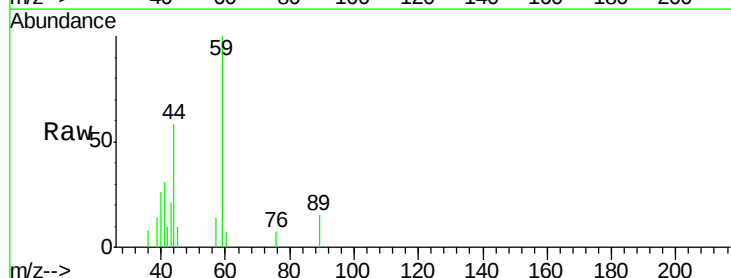
Acq: 28 Aug 2019 19:38

Tgt Ion: 59 Resp: 3808

Ion Ratio Lower Upper

59 100

57 7.1 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU034034.D (-520) (-)

Ion 57.00 (56.70 to 57.70): VU034034.D (-520) (-)

2.81

1500

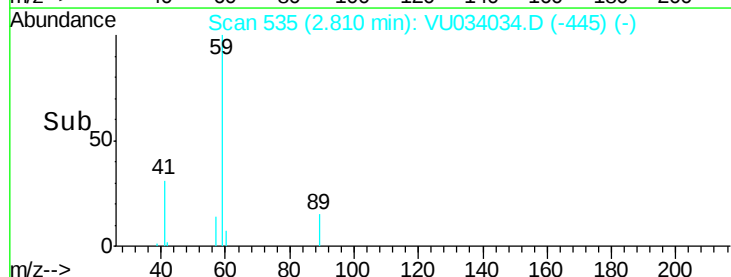
1000

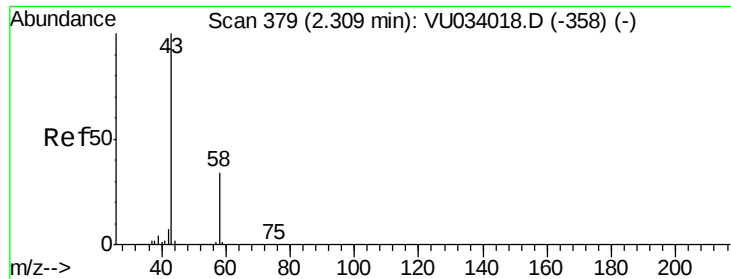
500

0

2.75 2.80 2.85 2.90

Time-->





#16

Acetone

Concen: 3.364 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034034.D

Acq: 28 Aug 2019 19:38

Instrument :

MSVOA\_U

ClientSampled :

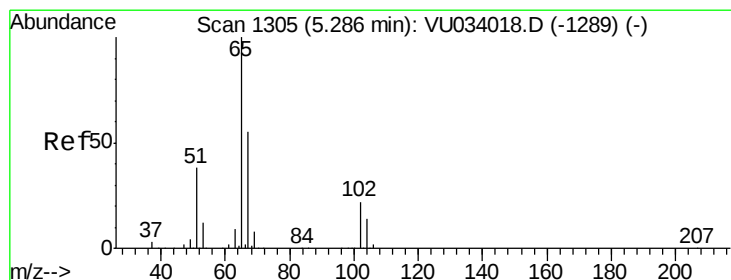
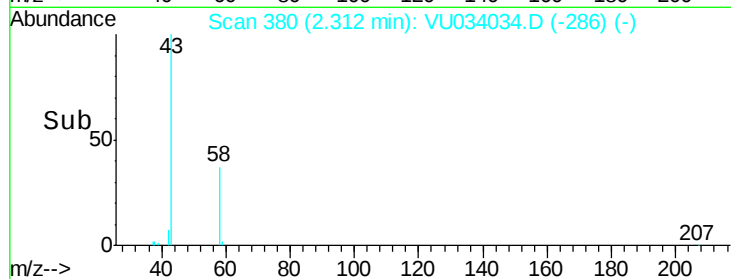
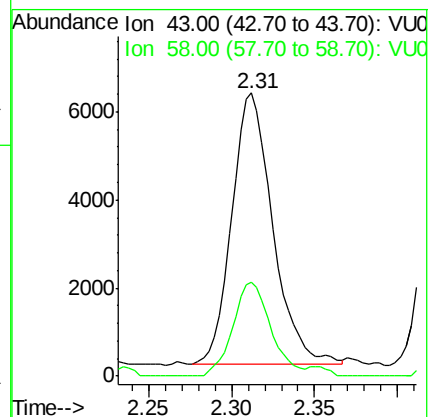
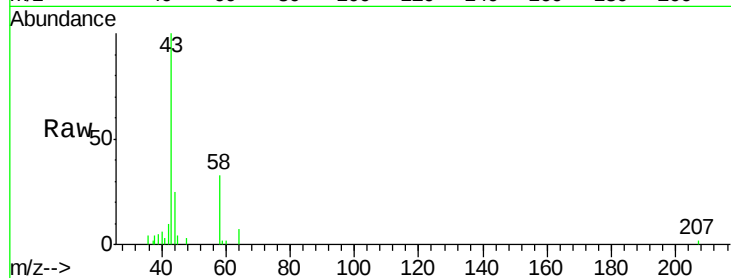
GW-2

Tot Ion: 43 Resp: 10559

Ion Ratio Lower Upper

43 100

58 34.9 26.8 40.2



#33

1,2-Dichloroethane-d4

Concen: 48.393 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034034.D

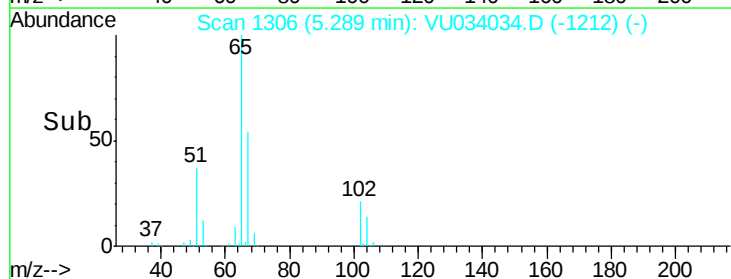
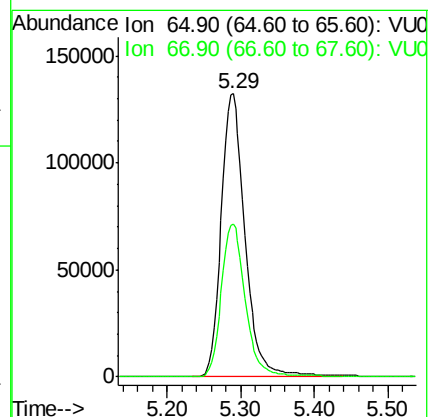
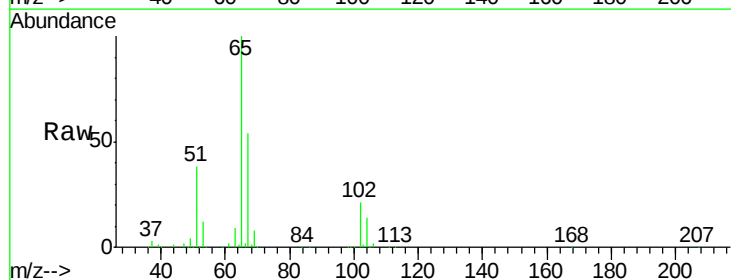
Acq: 28 Aug 2019 19:38

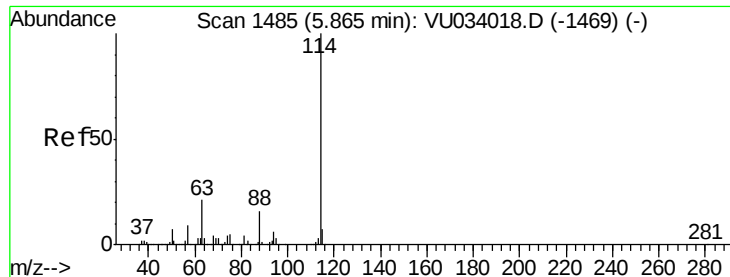
Tgt Ion: 65 Resp: 297696

Ion Ratio Lower Upper

65 100

67 54.1 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: VU034034.D

Acq: 28 Aug 2019 19:38

Instrument :

MSVOA\_U

ClientSampleId :

GW-2

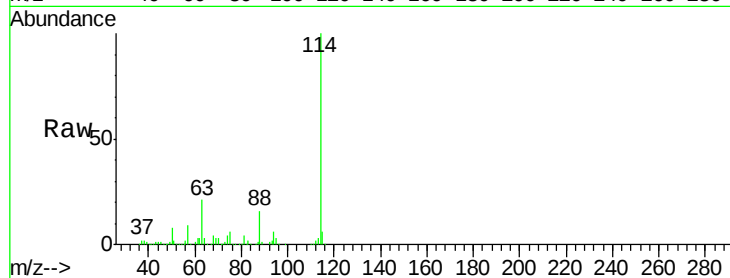
Tot Ion:114 Resp: 747638

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.0

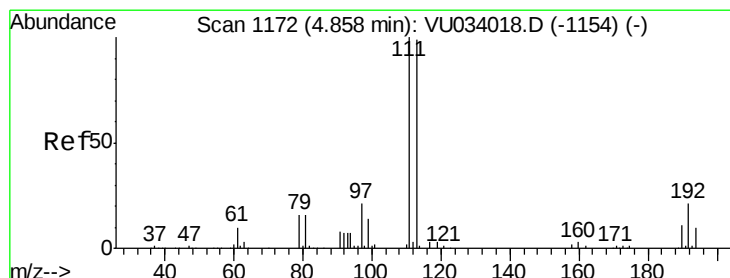
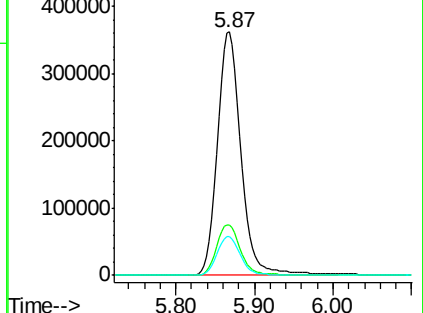
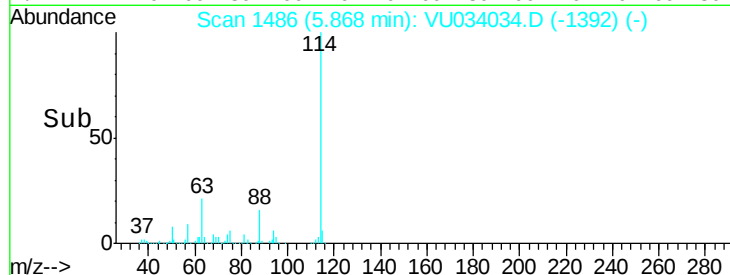
88 15.8 0.0 32.0



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: 46.646 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034034.D

Acq: 28 Aug 2019 19:38

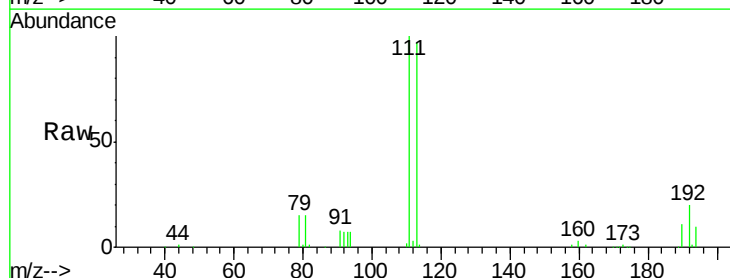
Tgt Ion:113 Resp: 241883

Ion Ratio Lower Upper

113 100

111 104.3 81.7 122.5

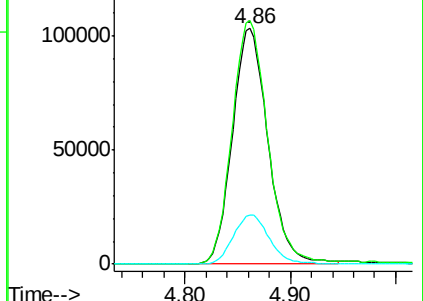
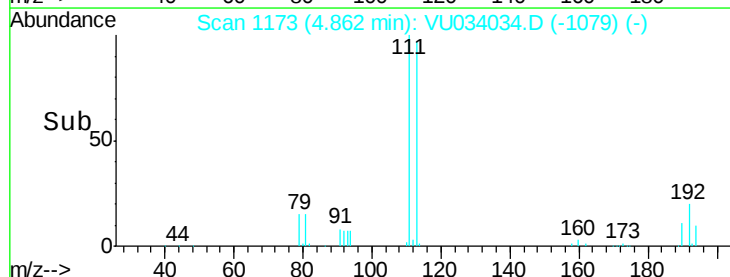
192 21.3 17.1 25.7

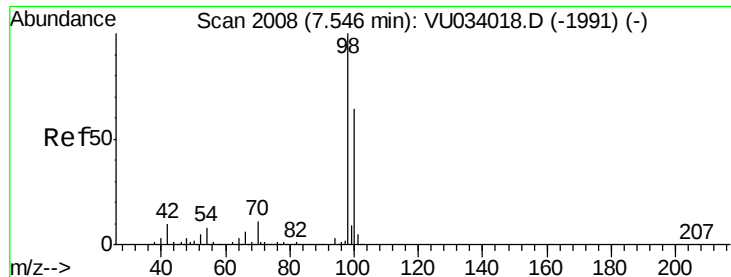


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.190 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034034.D

Acq: 28 Aug 2019 19:38

Instrument :

MSVOA\_U

ClientSampled :

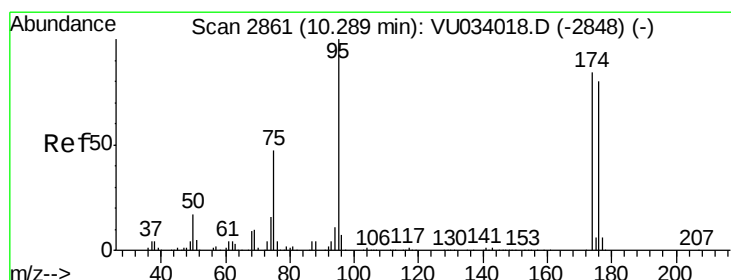
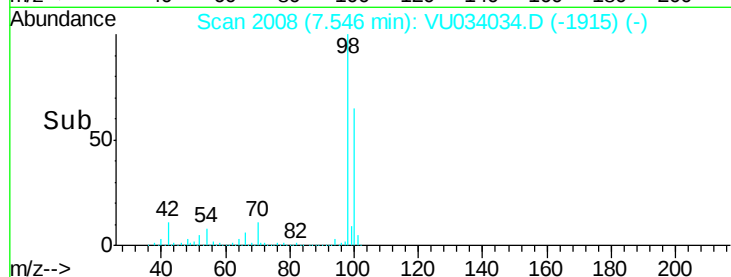
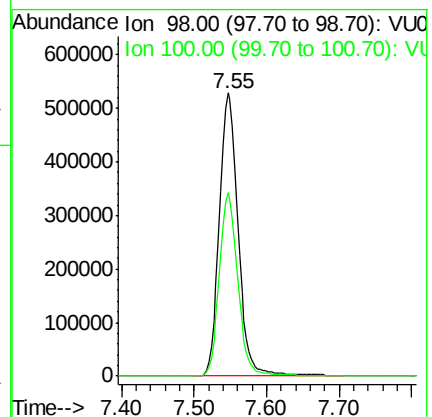
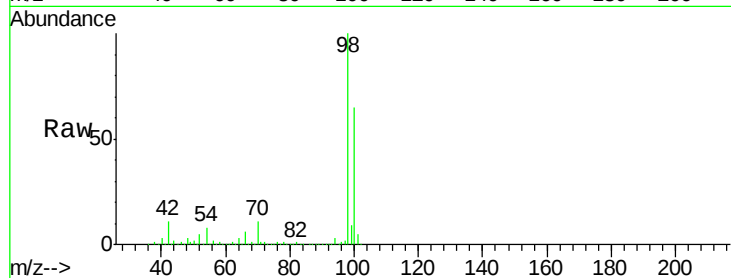
GW-2

Tot Ion: 98 Resp: 955103

Ion Ratio Lower Upper

98 100

100 63.6 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 44.176 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034034.D

Acq: 28 Aug 2019 19:38

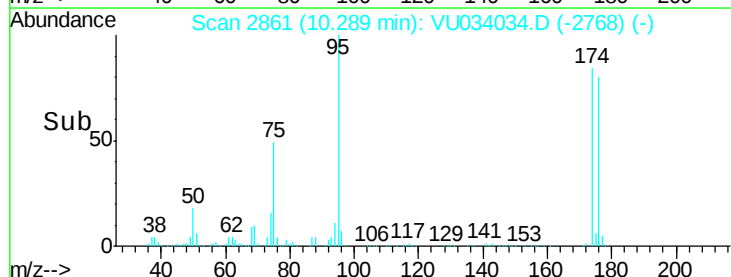
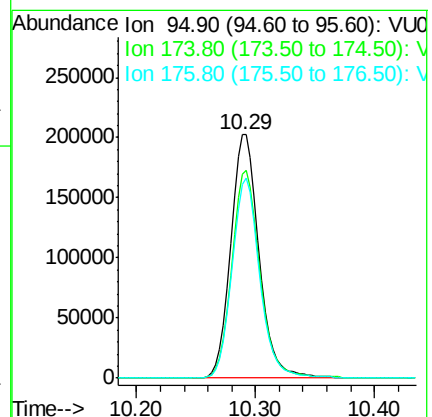
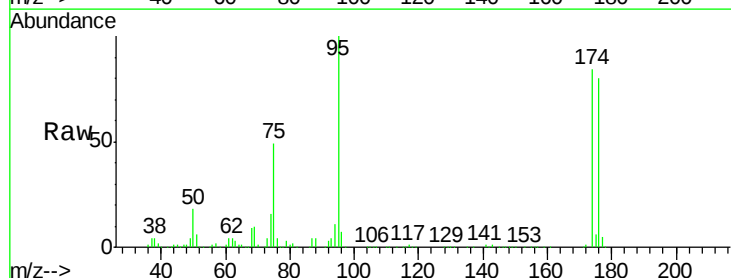
Tgt Ion: 95 Resp: 333657

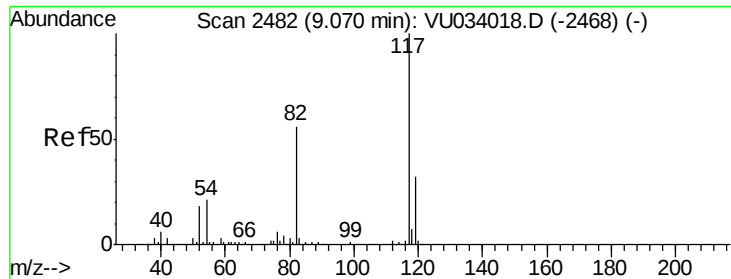
Ion Ratio Lower Upper

95 100

174 84.7 0.0 168.8

176 80.8 0.0 161.8

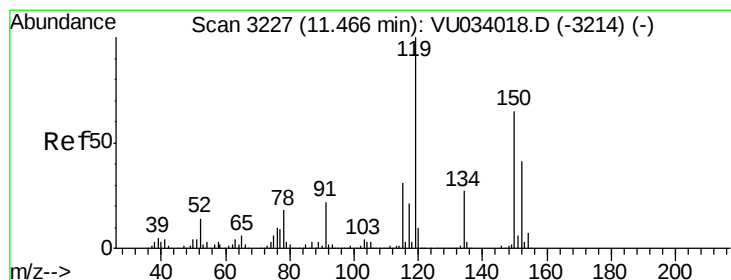
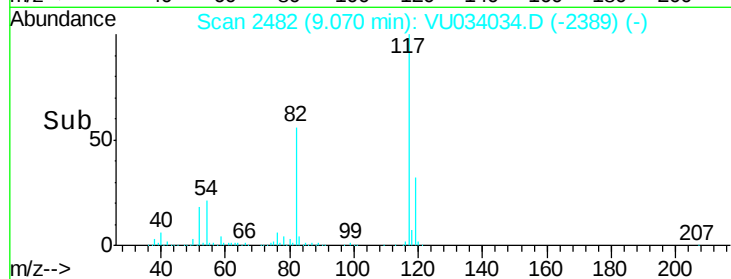
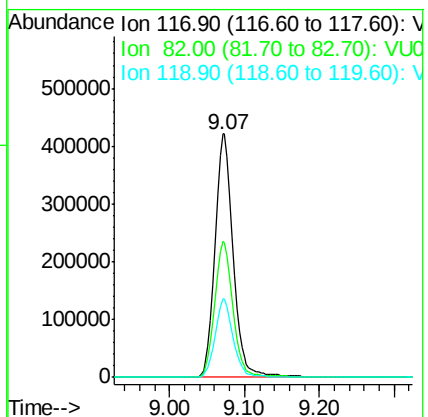
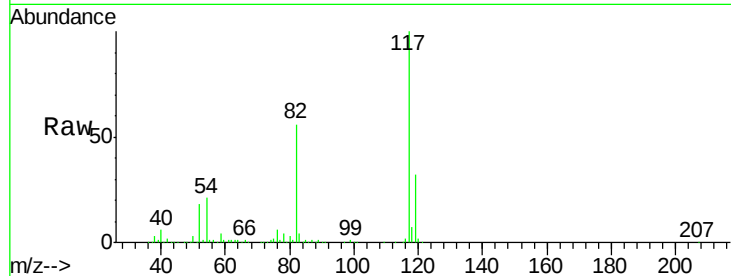




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034034.D  
Acq: 28 Aug 2019 19:38

Instrument :  
MSVOA\_U  
ClientSampled :  
GW-2

Tot Ion:117 Resp: 714993  
Ion Ratio Lower Upper  
117 100  
82 55.8 45.1 67.7  
119 32.2 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.47 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VU034034.D  
Acq: 28 Aug 2019 19:38

Tgt Ion:152 Resp: 356782  
Ion Ratio Lower Upper  
152 100  
115 57.3 41.1 123.3  
150 158.0 0.0 348.8

