

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012119\  
 Data File : VU029247.D  
 Acq On : 21 Jan 2019 14:32  
 Operator : JC/SP  
 Sample : PB116506ZHE#07  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PB116506ZHE#07

Quant Time: Jan 22 01:58:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 12 01:33:59 2019  
 Response via : Initial Calibration

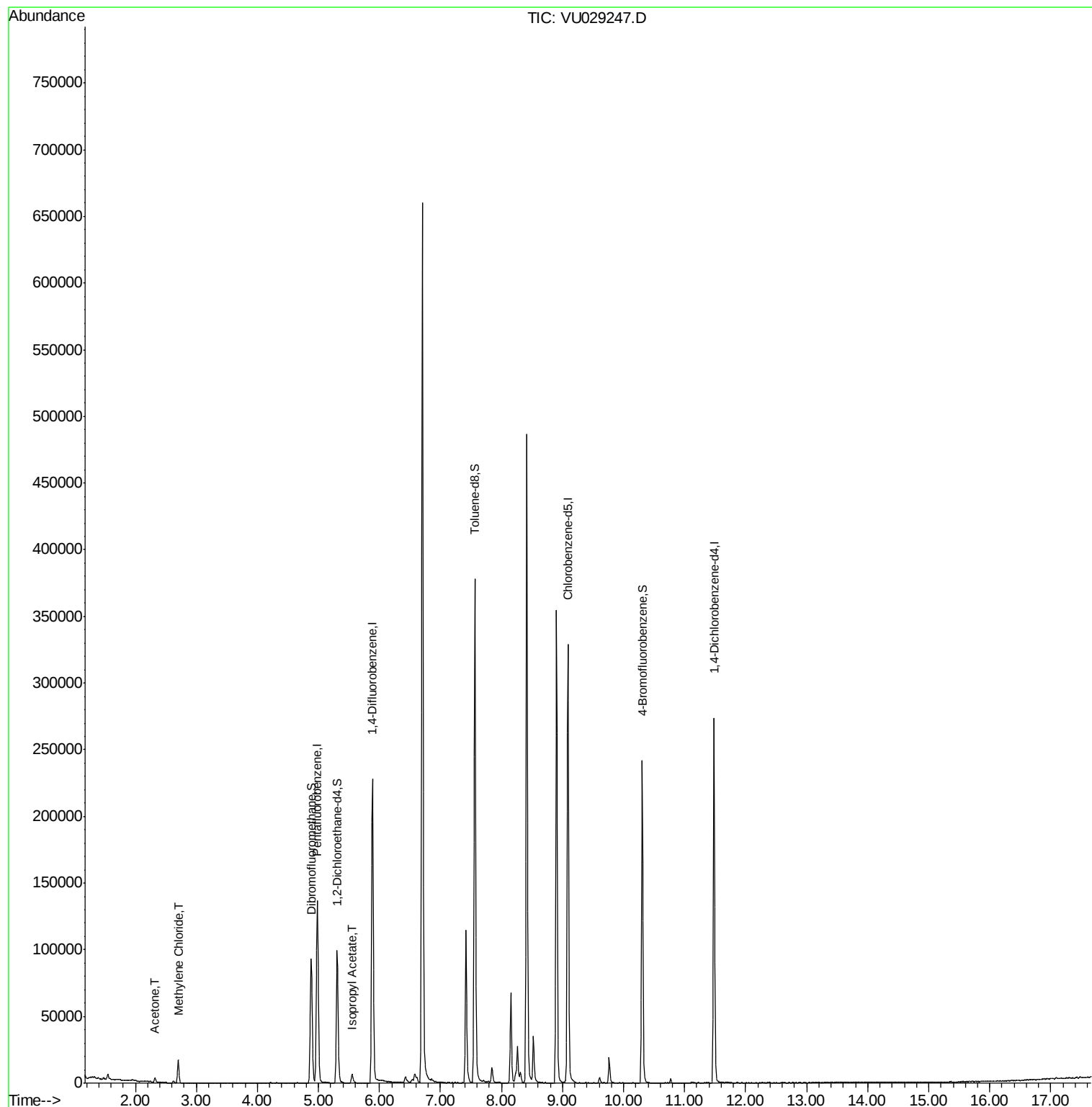
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 4.98  | 168  | 110568   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.88  | 114  | 197402   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 188376   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 75669    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 75851    | 55.49 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.98% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 67015    | 52.37 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.74% |          |
| 50) Toluene-d8              | 7.56  | 98   | 258348   | 51.14 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.28% |          |
| 62) 4-Bromofluorobenzene    | 10.30 | 95   | 82334    | 45.35 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.70%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.32  | 43   | 4092     | 4.752 | ug/l    | 91       |
| 20) Methylene Chloride      | 2.70  | 84   | 7985     | 5.462 | ug/l    | 99       |
| 43) Isopropyl Acetate       | 5.55  | 43   | 8152     | 2.454 | ug/l    | 95       |

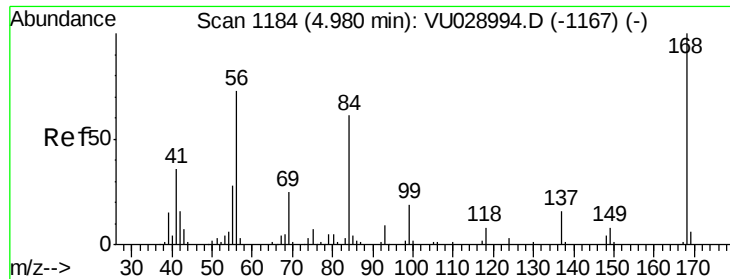
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jan 12 01:33:59 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029247.D

Acq: 21 Jan 2019 14:32

Instrument :

MSVOA\_U

ClientSampleId :

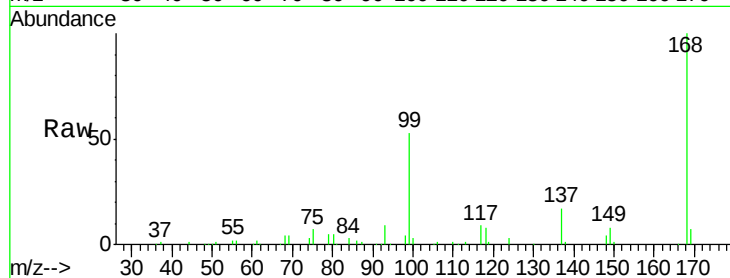
PB116506ZHE#07

Tot Ion:168 Resp: 110568

Ion Ratio Lower Upper

168 100

99 53.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

50000

40000

30000

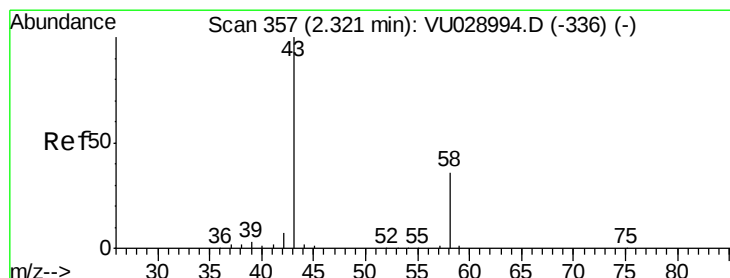
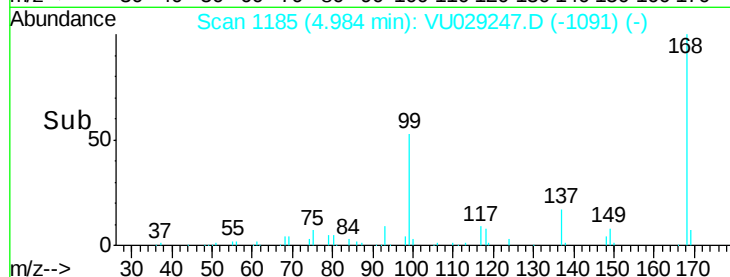
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#16

Acetone

Concen: 4.752 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029247.D

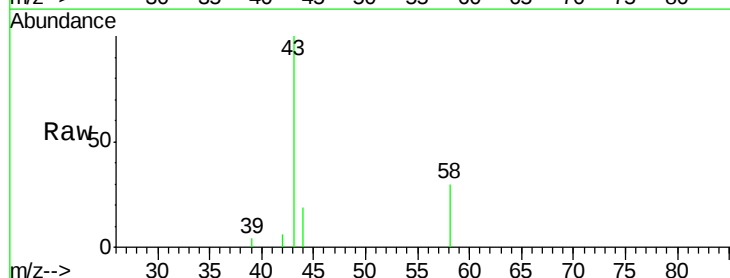
Acq: 21 Jan 2019 14:32

Tgt Ion: 43 Resp: 4092

Ion Ratio Lower Upper

43 100

58 30.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-336) (-)

2.32

3000

2500

2000

1500

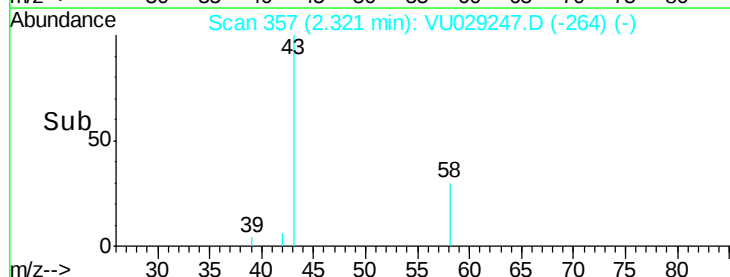
1000

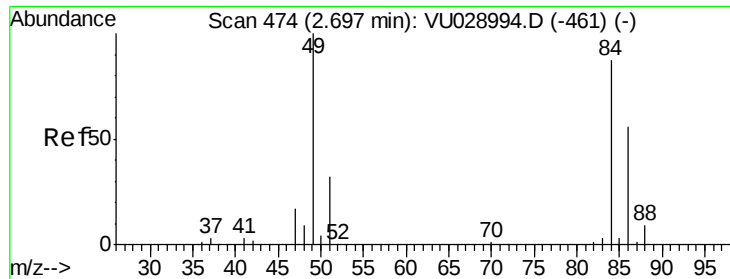
500

0

2.30 2.35

Time-->

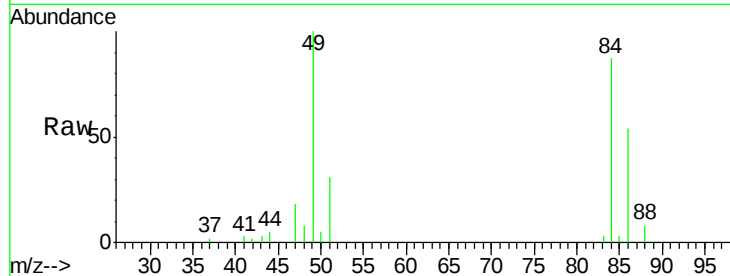




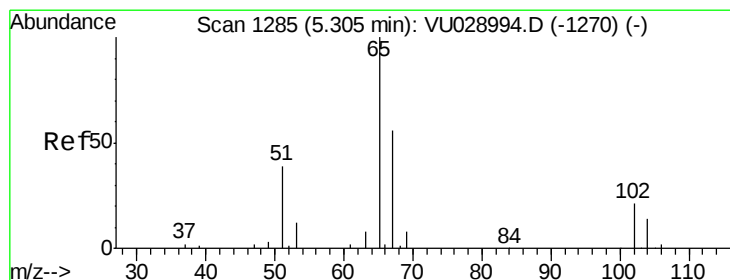
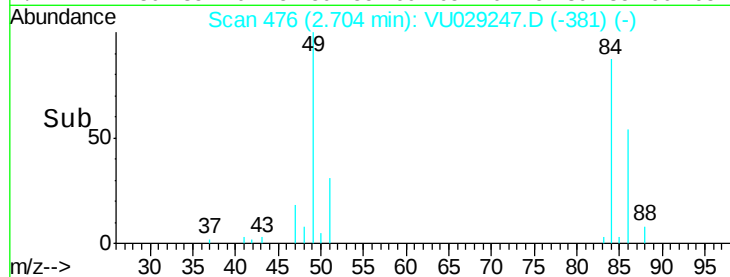
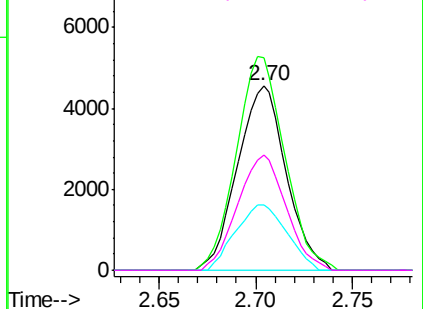
#20  
Methvlene Chloride  
Concen: 5.462 ug/l  
RT: 2.70 min Scan# 476  
Delta R.T. 0.01 min  
Lab File: VU029247.D  
Acq: 21 Jan 2019 14:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
PB116506ZHE#07

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 7985  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 115.5 | 91.9  | 137.9 |
| 51       | 35.8  | 29.2  | 43.8  |
| 86       | 62.8  | 51.8  | 77.6  |

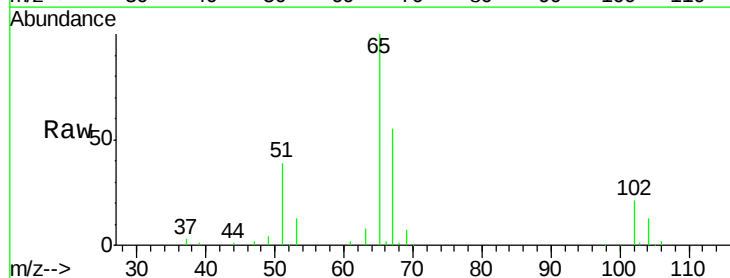


Abundance Ion 83.90 (83.60 to 84.60): VU0  
Ion 48.90 (48.60 to 49.60): VU0  
Ion 50.90 (50.60 to 51.60): VU0  
Ion 85.90 (85.60 to 86.60): VU0

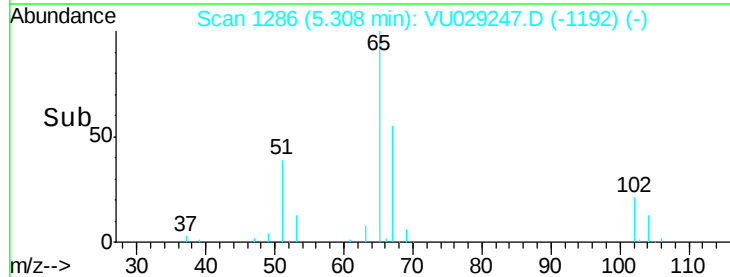
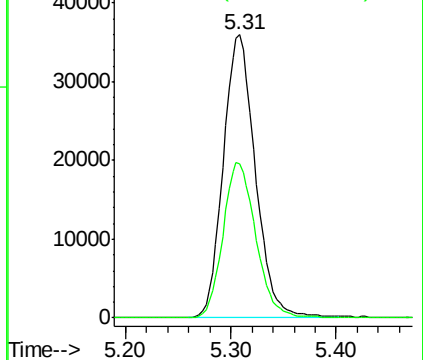


#33  
1,2-Dichloroethane-d4  
Concen: 55.494 ug/l  
RT: 5.31 min Scan# 1286  
Delta R.T. 0.00 min  
Lab File: VU029247.D  
Acq: 21 Jan 2019 14:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 75851 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 56.0  | 0.0   | 111.0 |



Abundance Ion 64.90 (64.60 to 65.60): VU0  
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029247.D

Acq: 21 Jan 2019 14:32

Instrument :

MSVOA\_U

ClientSampleId :

PB116506ZHE#07

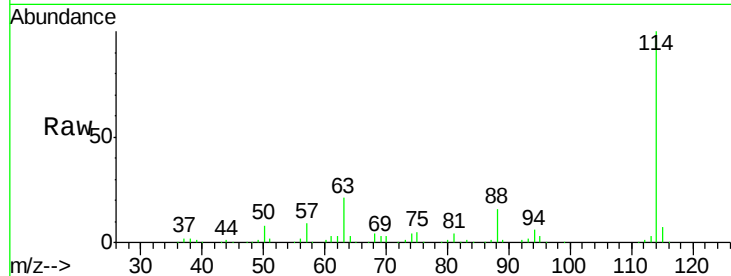
Tot Ion:114 Resp: 197402

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.2

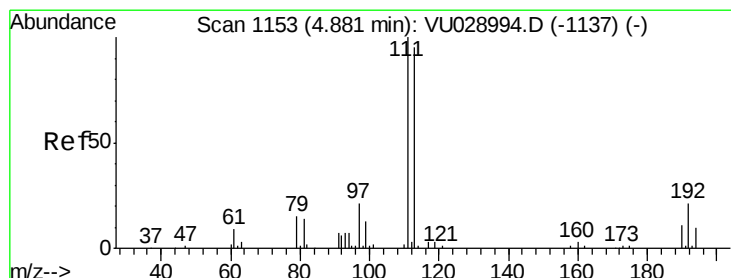
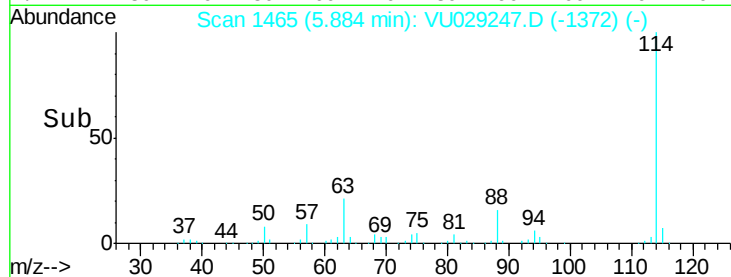
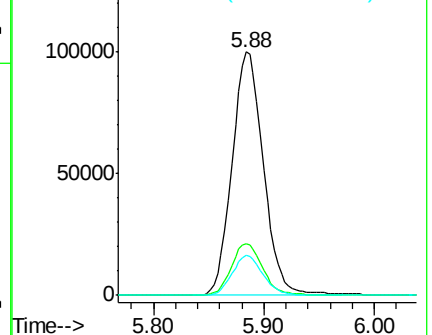
88 16.2 0.0 30.4



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: 52.371 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029247.D

Acq: 21 Jan 2019 14:32

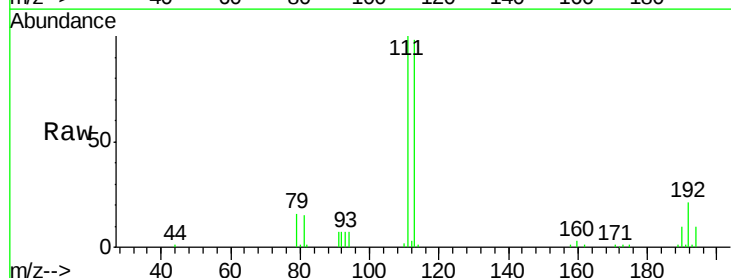
Tgt Ion:113 Resp: 67015

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

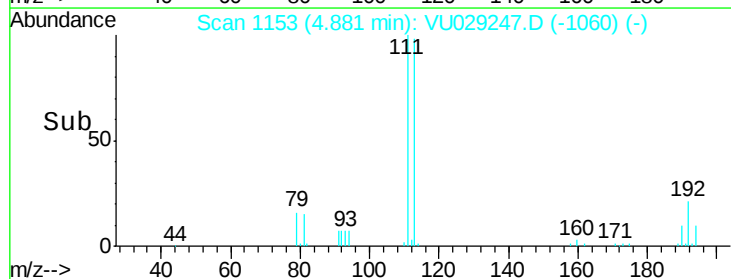
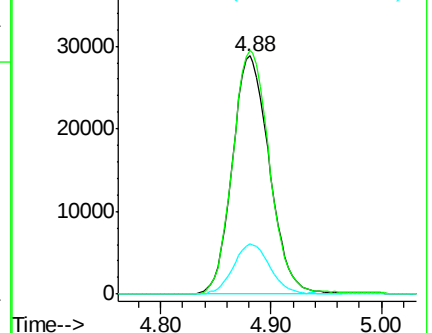
192 20.6 16.8 25.2

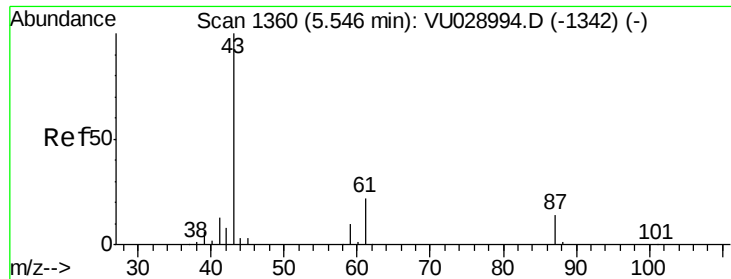


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.454 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU029247.D

Acq: 21 Jan 2019 14:32

Instrument :

MSVOA\_U

ClientSampleId :

PB116506ZHE#07

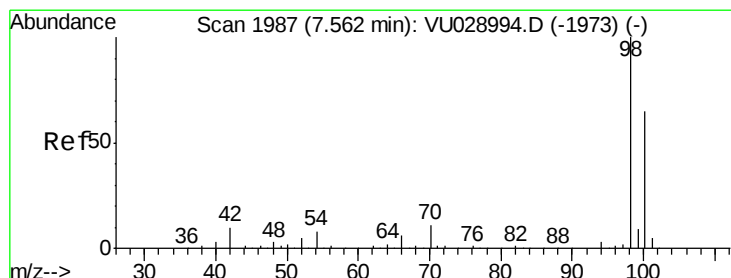
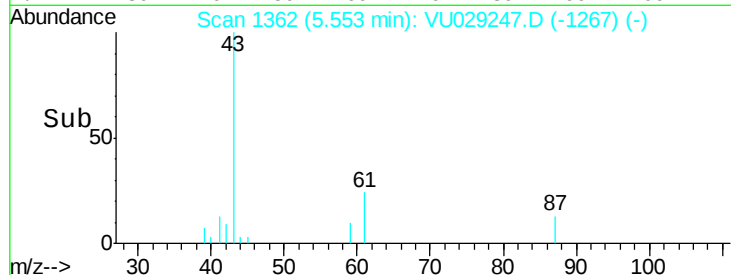
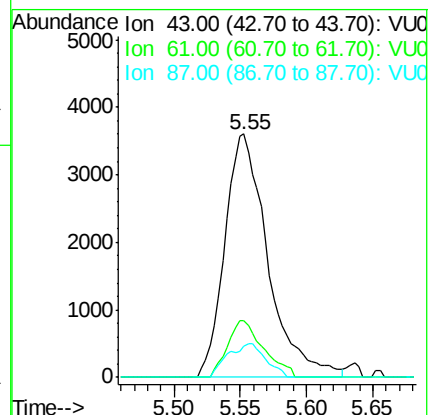
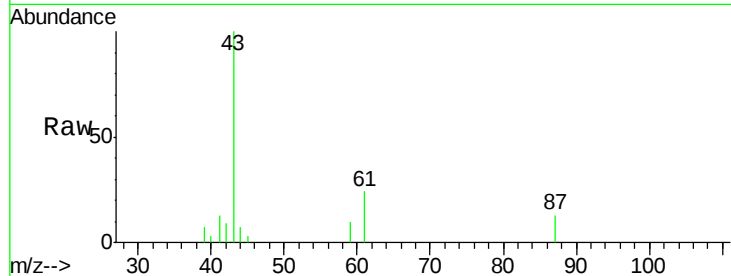
Tot Ion: 43 Resp: 8152

Ion Ratio Lower Upper

43 100

61 19.5 17.8 26.6

87 12.2 11.3 16.9



#50

Toluene-d8

Concen: 51.140 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029247.D

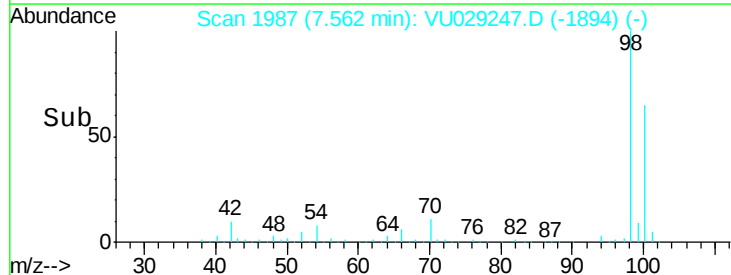
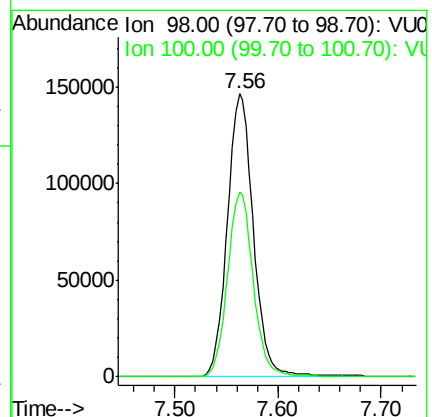
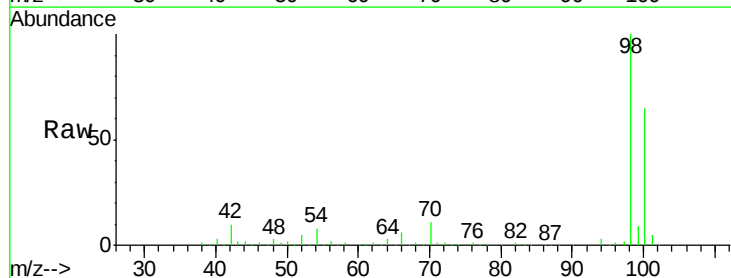
Acq: 21 Jan 2019 14:32

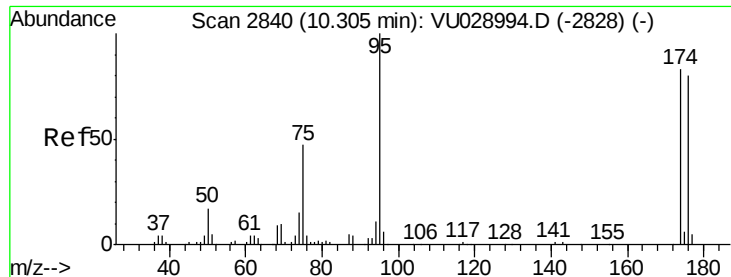
Tgt Ion: 98 Resp: 258348

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 45.350 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029247.D

Acq: 21 Jan 2019 14:32

Instrument :

MSVOA\_U

ClientSampleId :

PB116506ZHE#07

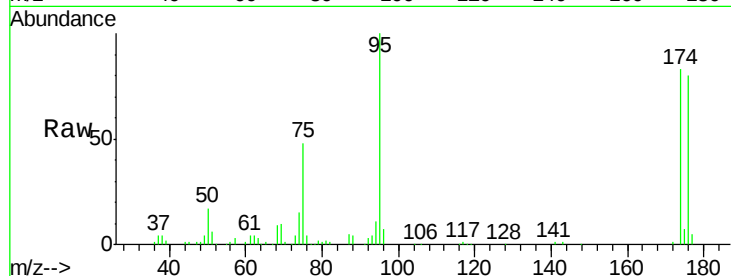
Tot Ion: 95 Resp: 82334

Ion Ratio Lower Upper

95 100

174 84.8 0.0 170.6

176 81.5 0.0 165.0

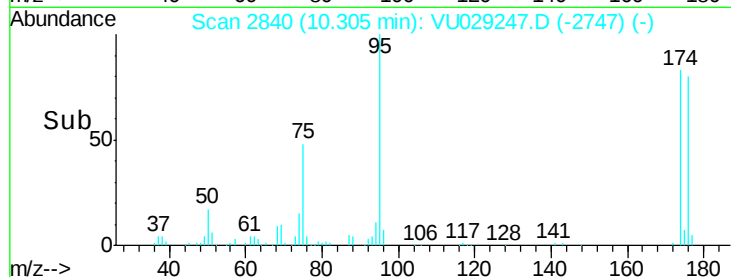


Abundance Ion 94.90 (94.60 to 95.60): VU028994.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028994.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028994.D (-2828) (-)

Time--> 10.20 10.30 10.40

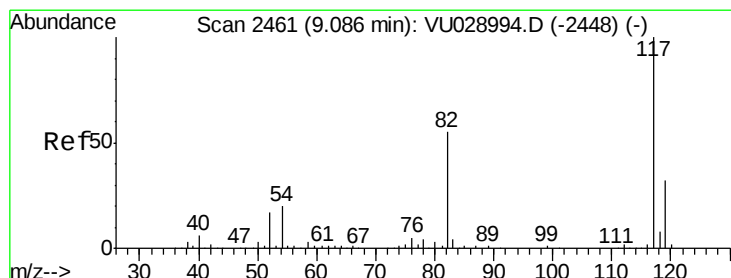


Abundance Ion 94.90 (94.60 to 95.60): VU029247.D (-2747) (-)

Ion 173.80 (173.50 to 174.50): VU029247.D (-2747) (-)

Ion 175.80 (175.50 to 176.50): VU029247.D (-2747) (-)

Time--> 10.20 10.30 10.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VU029247.D

Acq: 21 Jan 2019 14:32

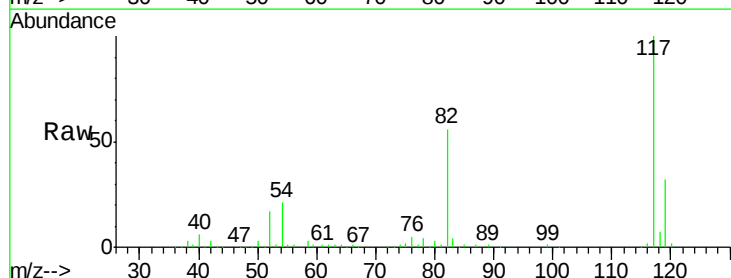
Tgt Ion: 117 Resp: 188376

Ion Ratio Lower Upper

117 100

82 55.9 43.9 65.9

119 32.5 26.0 39.0

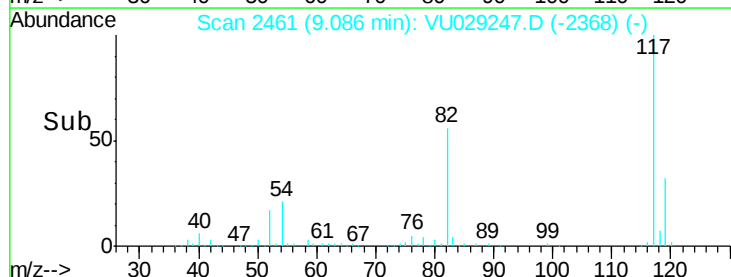


Abundance Ion 116.90 (116.60 to 117.60): VU028994.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028994.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028994.D (-2448) (-)

Time--> 9.00 9.05 9.10 9.15 9.20

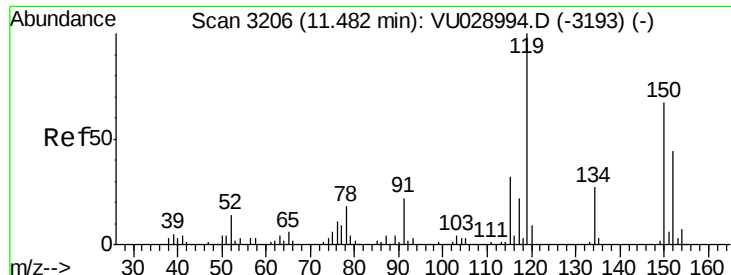


Abundance Ion 116.90 (116.60 to 117.60): VU029247.D (-2368) (-)

Ion 82.00 (81.70 to 82.70): VU029247.D (-2368) (-)

Ion 118.90 (118.60 to 119.60): VU029247.D (-2368) (-)

Time--> 9.00 9.05 9.10 9.15 9.20



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.48 min Scan# 3206  
 Delta R.T. 0.00 min  
 Lab File: VU029247.D  
 Acq: 21 Jan 2019 14:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PB116506ZHE#07

Tot Ion:152 Resp: 75669  
 Ion Ratio Lower Upper  
 152 100  
 115 57.9 40.1 120.3  
 150 155.1 0.0 345.2

