

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\  
 Data File : VU034049.D  
 Acq On : 29 Aug 2019 01:27  
 Operator : JC/SP  
 Sample : K4525-39  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 39 Sample Multiplier: 1

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

Quant Time: Aug 29 05:37:59 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

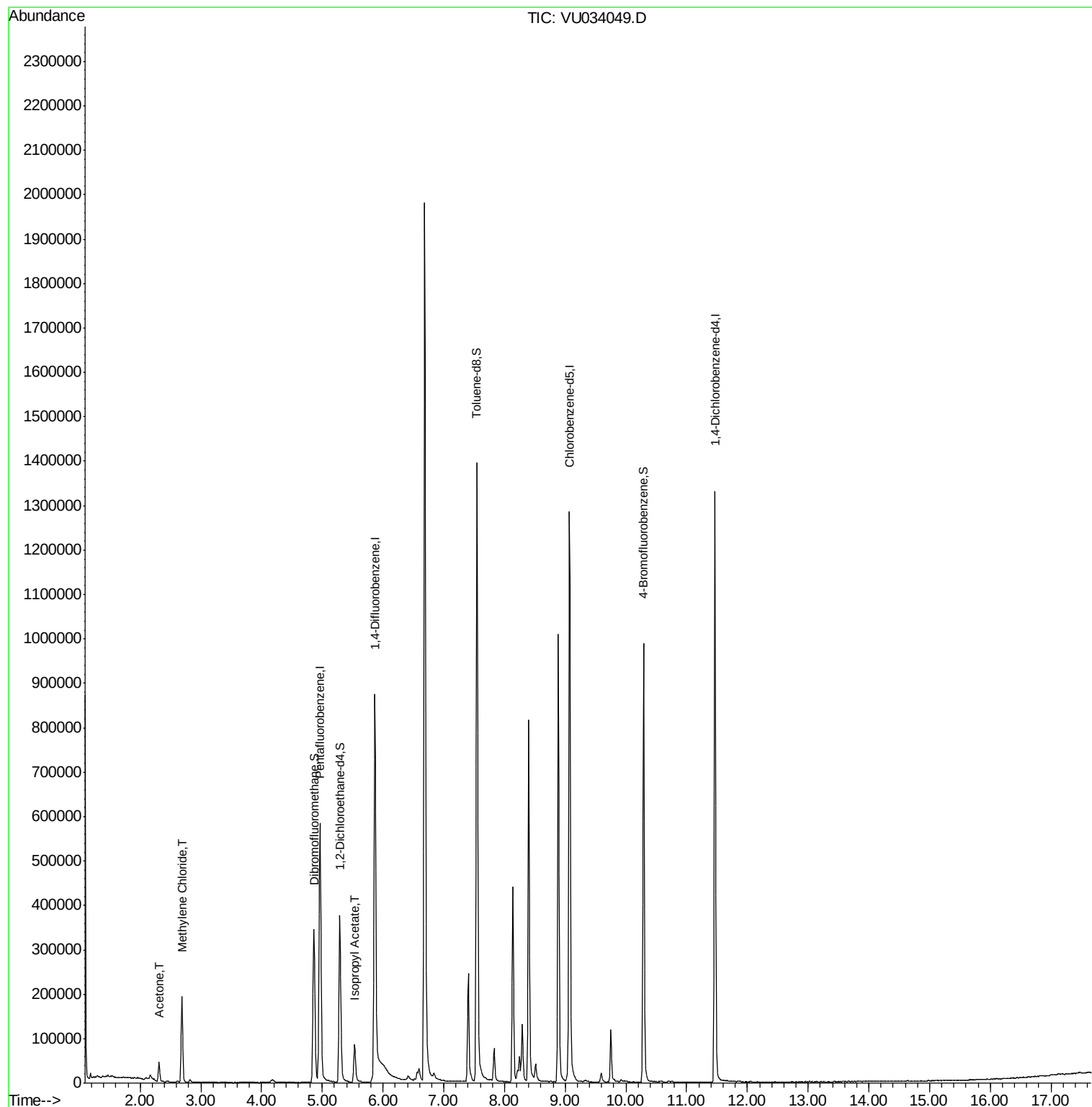
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 474597   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.87  | 114  | 762934   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 746433   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.47 | 152  | 361830   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 302230   | 49.70  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.40% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 249171   | 47.09  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.18% |          |
| 50) Toluene-d8              | 7.55  | 98   | 977540   | 49.34  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.68% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 338831   | 43.96  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.92% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.31  | 43   | 45396    | 14.630 | ug/l   | 99       |
| 20) Methylene Chloride      | 2.69  | 84   | 85558    | 14.565 | ug/l   | 96       |
| 43) Isopropyl Acetate       | 5.53  | 43   | 100883   | 8.206  | ug/l   | 98       |

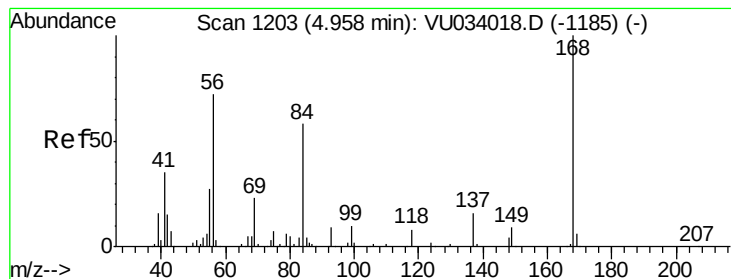
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034049.D

Acq: 29 Aug 2019 01:27

Instrument :

MSVOA\_U

ClientSampleId :

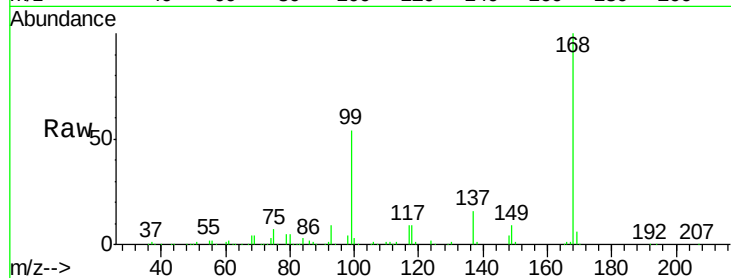
T9-12-13-C-(0)

Tot Ion:168 Resp: 474597

Ion Ratio Lower Upper

168 100

99 53.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034049.D (-1110) (-)

Ion 98.90 (98.60 to 99.60): VU034049.D (-1110) (-)

4.96

200000

150000

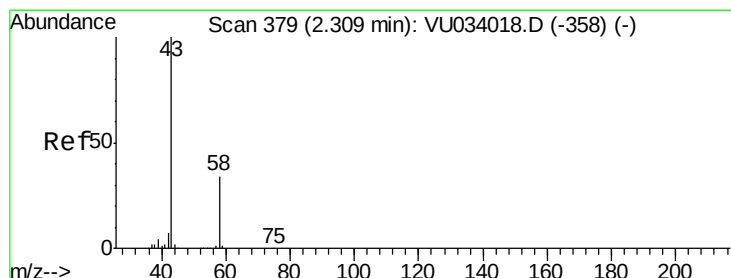
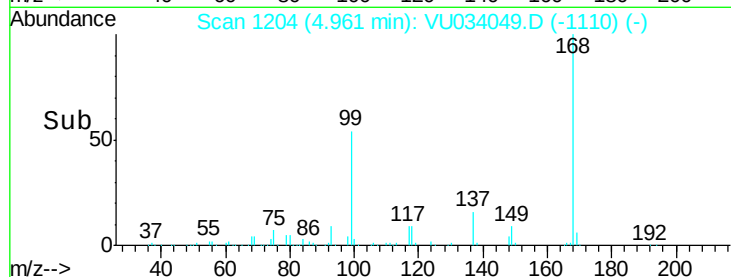
100000

50000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 14.630 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034049.D

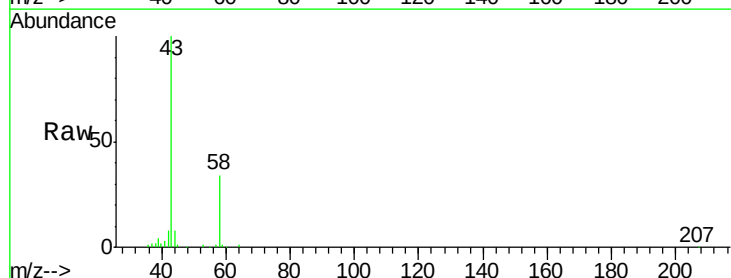
Acq: 29 Aug 2019 01:27

Tgt Ion: 43 Resp: 45396

Ion Ratio Lower Upper

43 100

58 33.1 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034049.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034049.D (-286) (-)

2.31

30000

25000

20000

15000

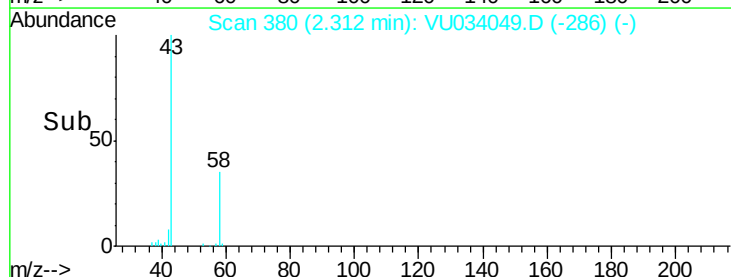
10000

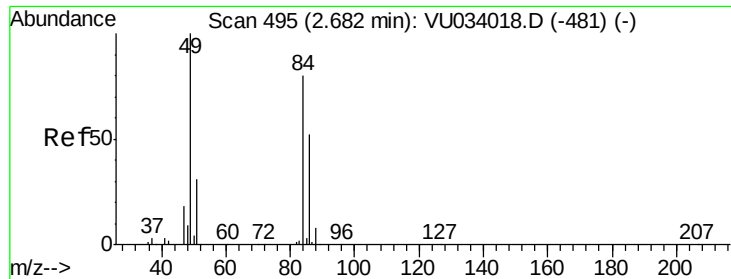
5000

0

2.20 2.25 2.30 2.35 2.40

Time-->

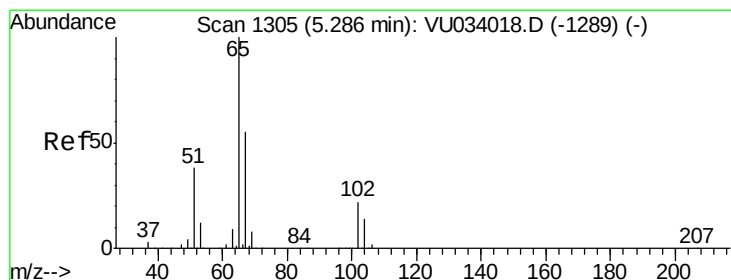
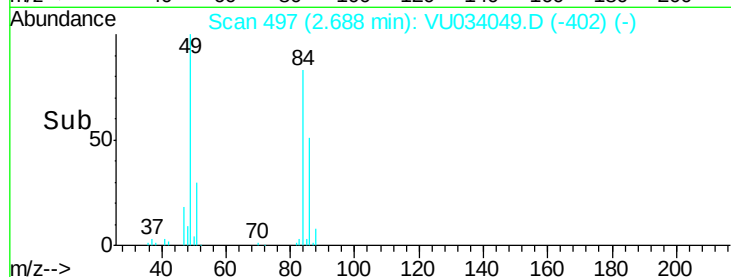
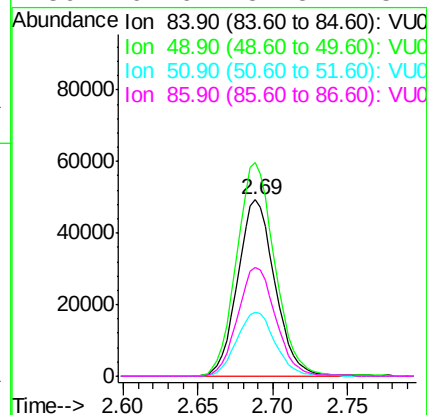
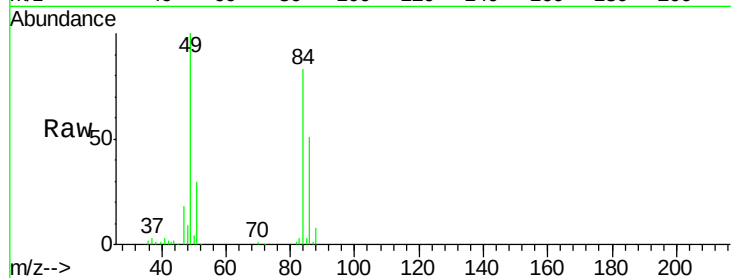




#20  
Methylene Chloride  
Concen: 14.565 ug/l  
RT: 2.69 min Scan# 497  
Delta R.T. 0.01 min  
Lab File: VU034049.D  
Acq: 29 Aug 2019 01:27

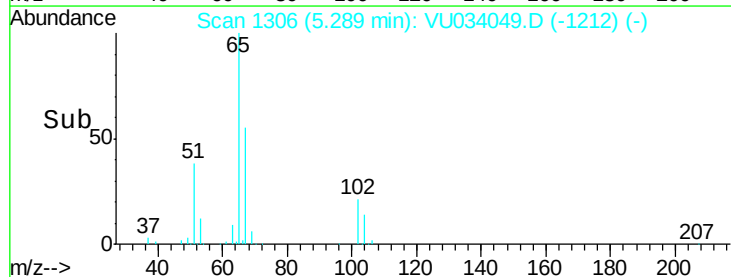
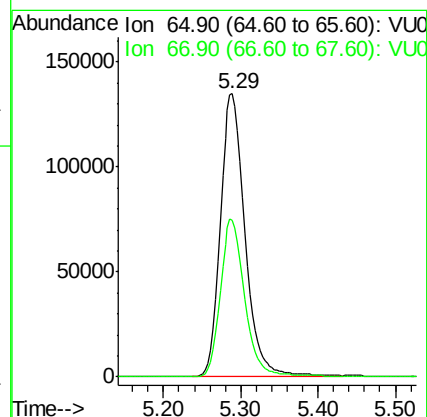
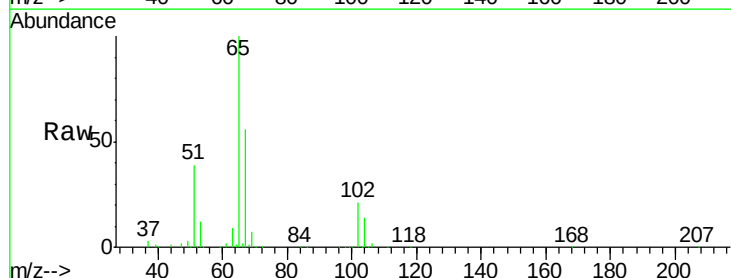
Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-C-(0)

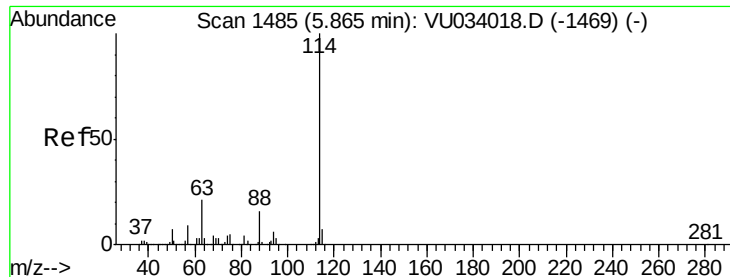
Tot Ion: 84 Resp: 85558  
Ion Ratio Lower Upper  
84 100  
49 121.1 100.2 150.4  
51 36.5 30.8 46.2  
86 61.6 52.5 78.7



#33  
1,2-Dichloroethane-d4  
Concen: 49.699 ug/l  
RT: 5.29 min Scan# 1306  
Delta R.T. 0.00 min  
Lab File: VU034049.D  
Acq: 29 Aug 2019 01:27

Tgt Ion: 65 Resp: 302230  
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: VU034049.D

Acq: 29 Aug 2019 01:27

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-C-(0)

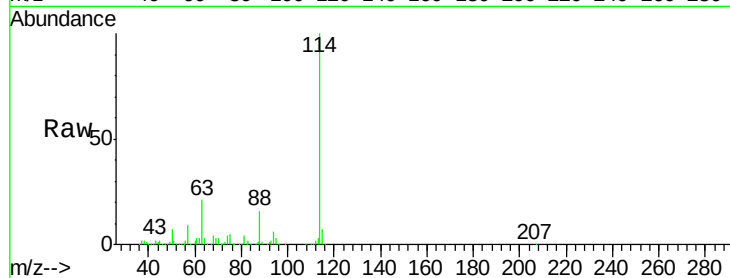
Tot Ion:114 Resp: 762934

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.0

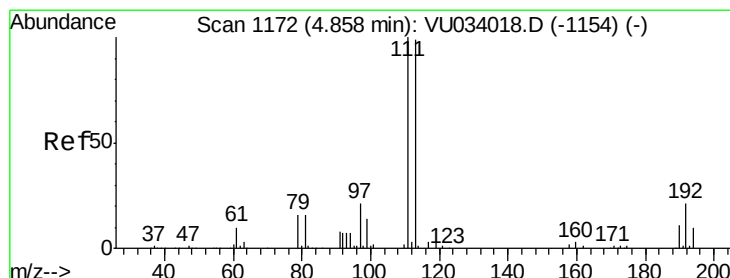
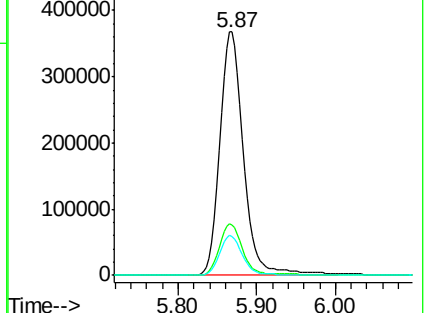
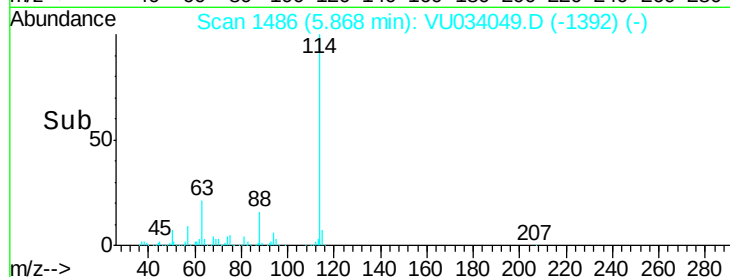
88 16.2 0.0 32.0



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: 47.088 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034049.D

Acq: 29 Aug 2019 01:27

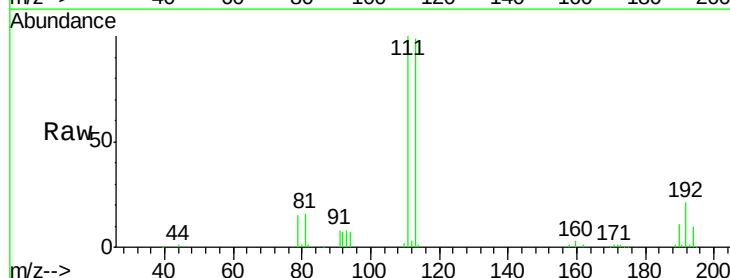
Tgt Ion:113 Resp: 249171

Ion Ratio Lower Upper

113 100

111 101.4 81.7 122.5

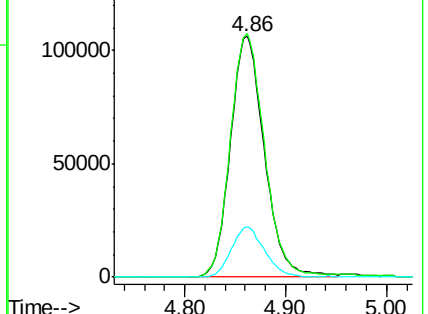
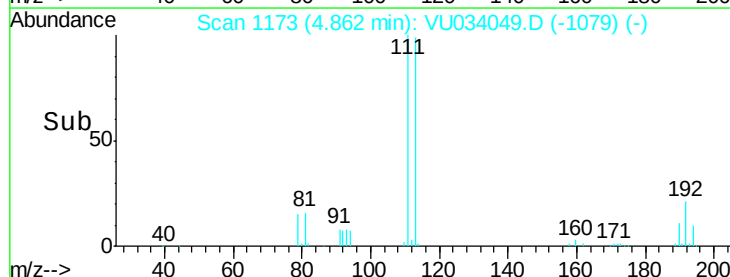
192 20.5 17.1 25.7

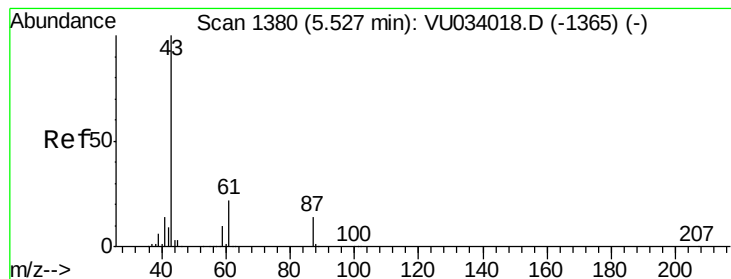


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 8.206 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034049.D

Acq: 29 Aug 2019 01:27

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-C-(0)

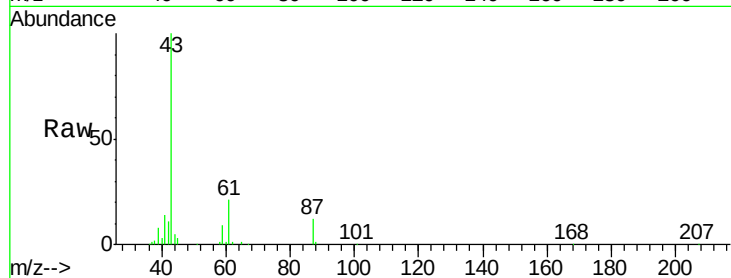
Tot Ion: 43 Resp: 100883

Ion Ratio Lower Upper

43 100

61 20.9 17.2 25.8

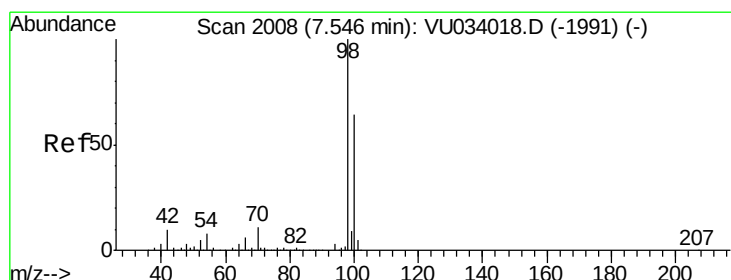
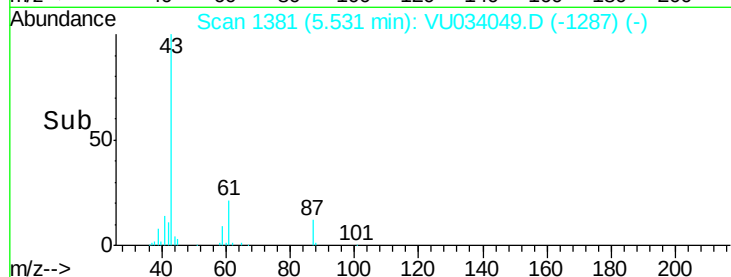
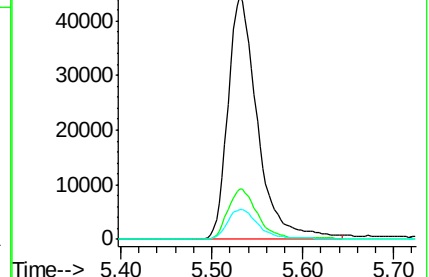
87 12.7 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034049.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034049.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034049.D (-1287) (-)



#50

Toluene-d8

Concen: 49.336 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034049.D

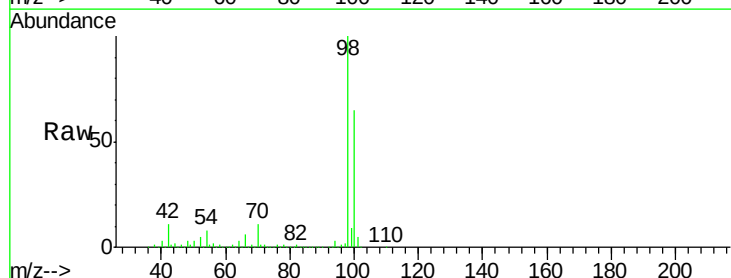
Acq: 29 Aug 2019 01:27

Tgt Ion: 98 Resp: 977540

Ion Ratio Lower Upper

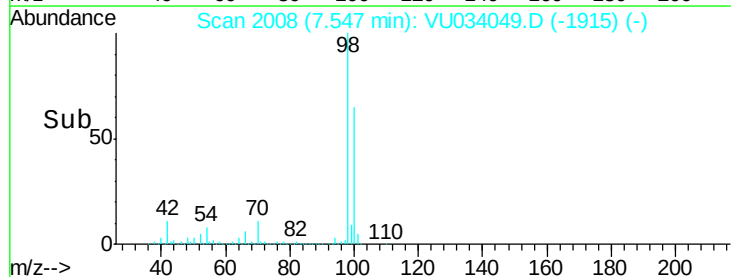
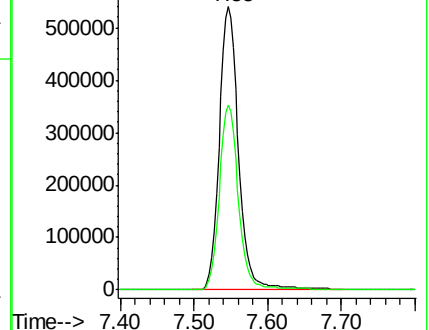
98 100

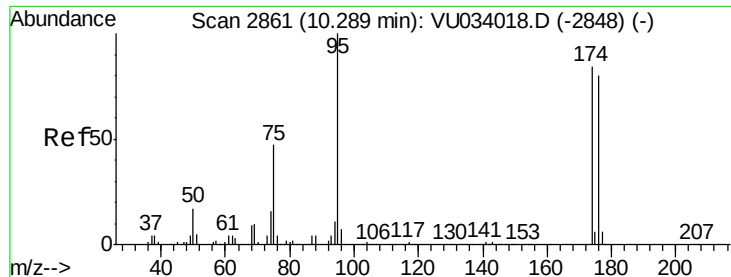
100 64.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU034049.D (-1915) (-)

Ion 100.00 (99.70 to 100.70): VU034049.D (-1915) (-)





#62

4-Bromofluorobenzene

Concen: 43.962 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034049.D

Acq: 29 Aug 2019 01:27

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-C-(0)

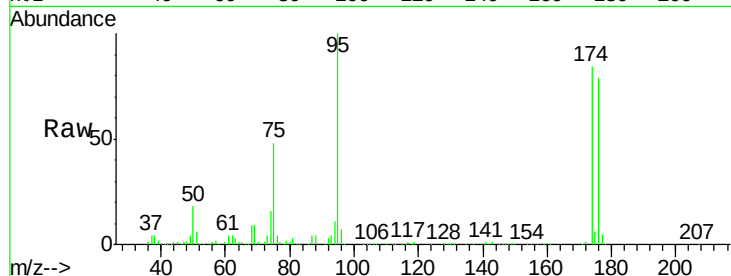
Tot Ion: 95 Resp: 338831

Ion Ratio Lower Upper

95 100

174 85.2 0.0 168.8

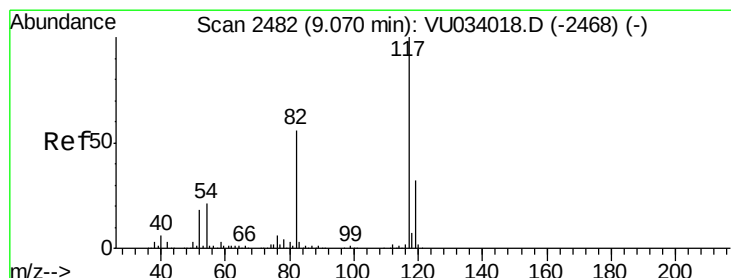
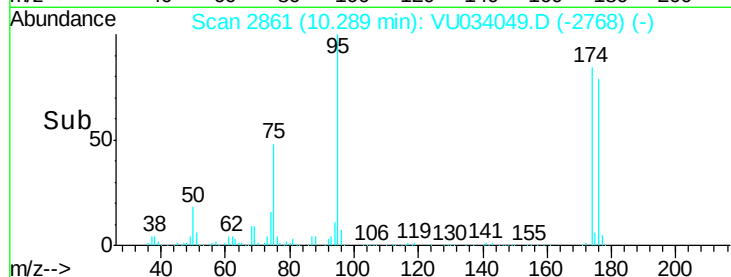
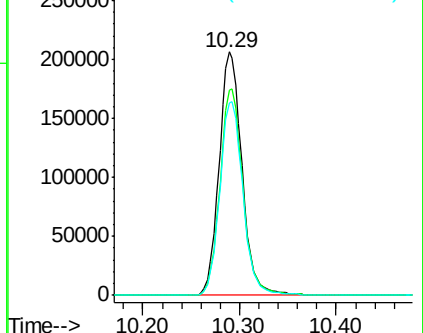
176 80.7 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): VU0

Ion 175.80 (175.50 to 176.50): VU0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034049.D

Acq: 29 Aug 2019 01:27

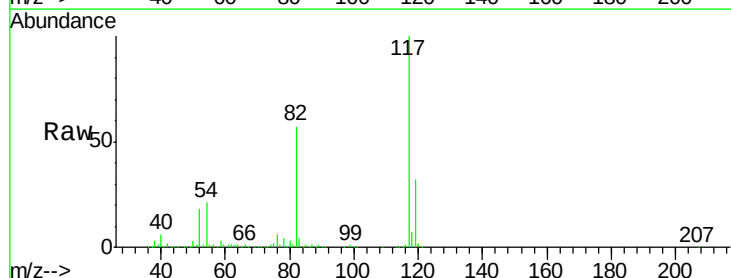
Tgt Ion: 117 Resp: 746433

Ion Ratio Lower Upper

117 100

82 56.7 45.1 67.7

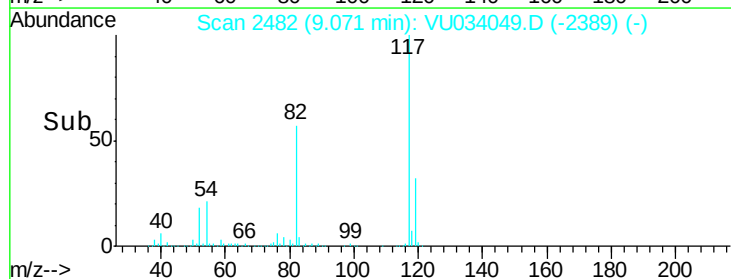
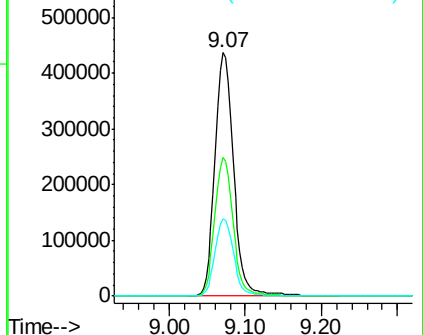
119 31.5 25.4 38.0

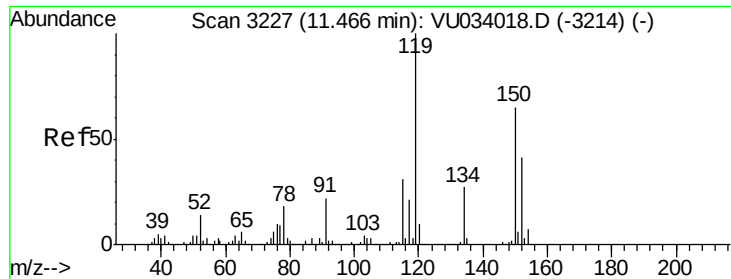


Abundance Ion 116.90 (116.60 to 117.60): VU0

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034049.D

Acq: 29 Aug 2019 01:27

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-C-(0)

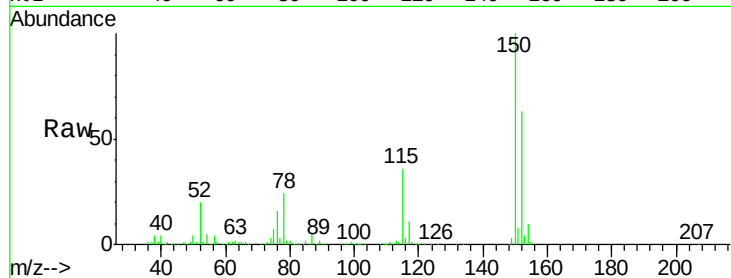
Tot Ion:152 Resp: 361830

Ion Ratio Lower Upper

152 100

115 57.6 41.1 123.3

150 157.8 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

