

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\  
 Data File : VU034062.D  
 Acq On : 29 Aug 2019 15:17  
 Operator : JC/SP  
 Sample : PB122636TB  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PB122636TB

Quant Time: Aug 29 16:06:05 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

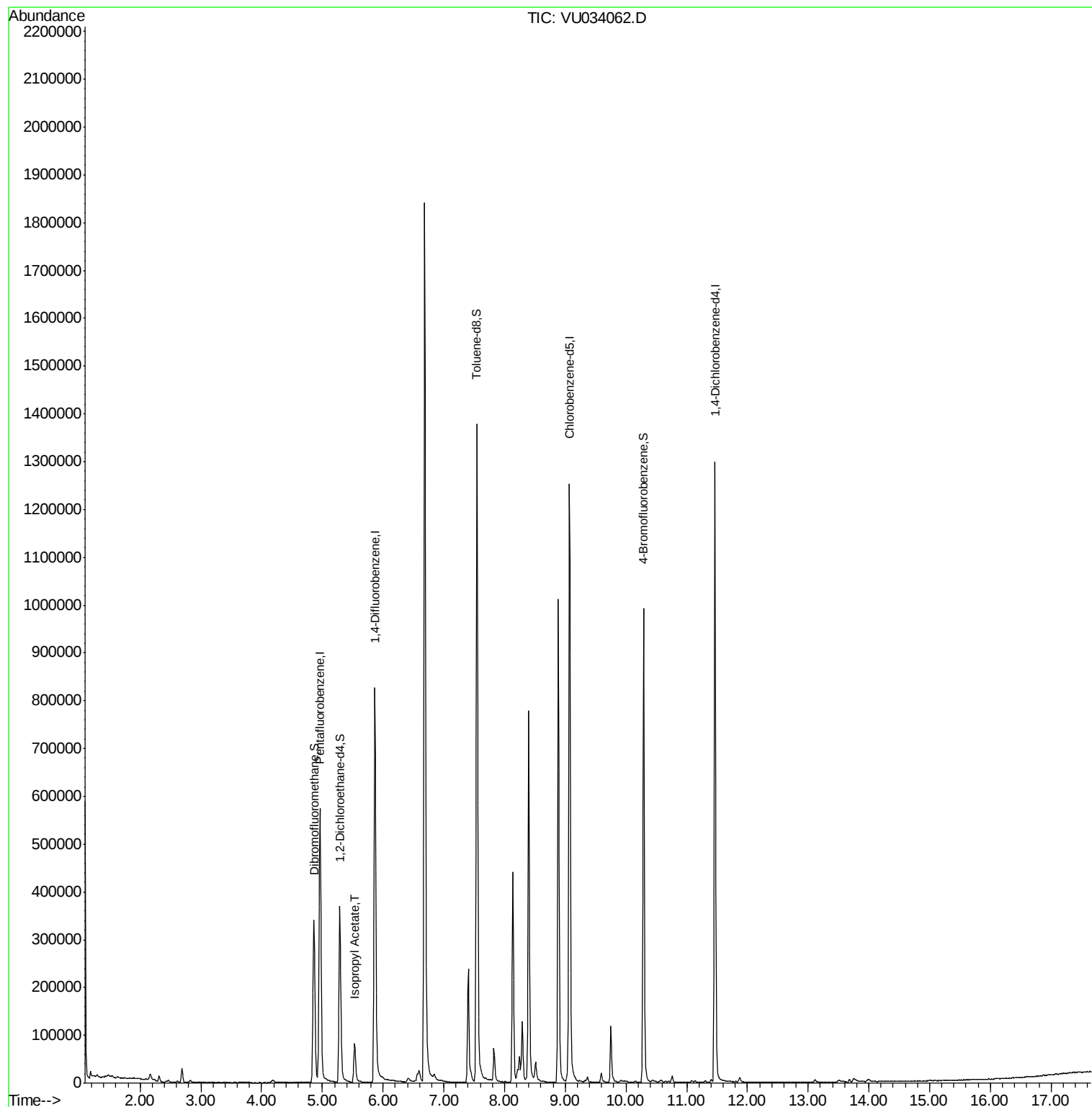
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 468072   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 5.86  | 114  | 735916   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 733120   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 11.47 | 152  | 355828   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 294653   | 49.13 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.26%  |           |
| 35) Dibromofluoromethane    | 4.86  | 113  | 241445   | 47.30 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.60%  |           |
| 50) Toluene-d8              | 7.55  | 98   | 971269   | 50.82 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.64% |           |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 339013   | 45.60 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.20%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 43) Isopropyl Acetate       | 5.53  | 43   | 95248    | 8.032 | ug/l    | Qvalue 99 |

(#) = 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: VU034062.D

Acq: 29 Aug 2019 15:17

Instrument :

MSVOA\_U

ClientSampleId :

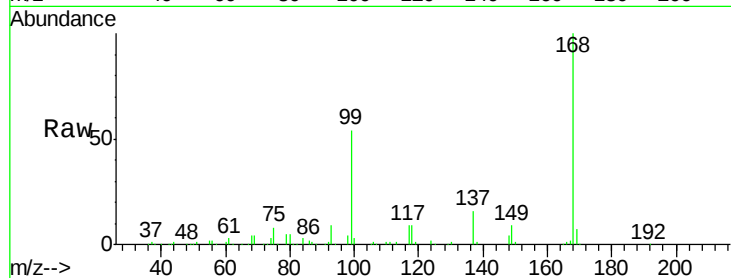
PB122636TB

Tot Ion:168 Resp: 468072

Ion Ratio Lower Upper

168 100

99 54.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034062.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034062.D (-1185) (-)

4.96

200000

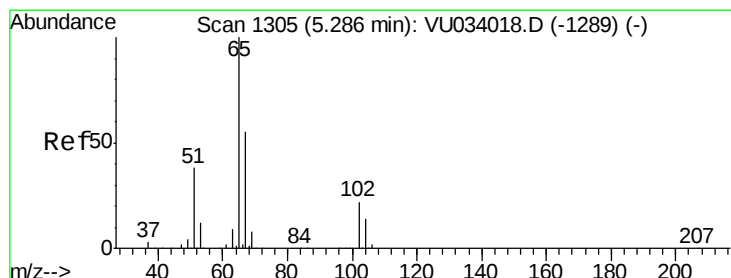
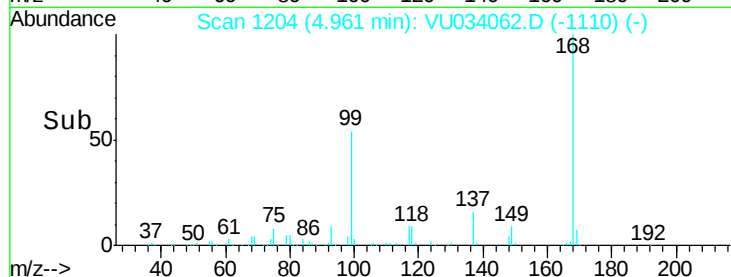
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#33

1,2-Dichloroethane-d4

Concen: 49.129 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034062.D

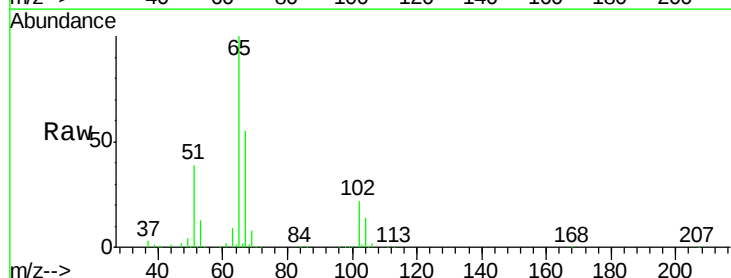
Acq: 29 Aug 2019 15:17

Tgt Ion: 65 Resp: 294653

Ion Ratio Lower Upper

65 100

67 55.0 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034062.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034062.D (-1289) (-)

5.29

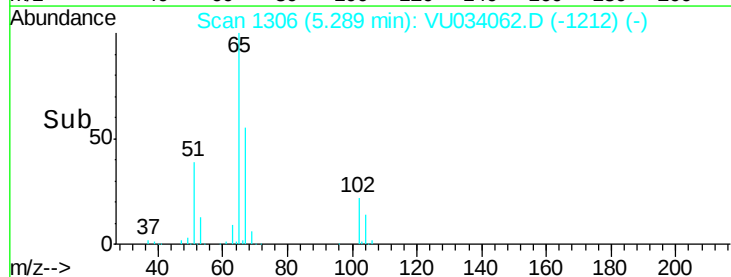
150000

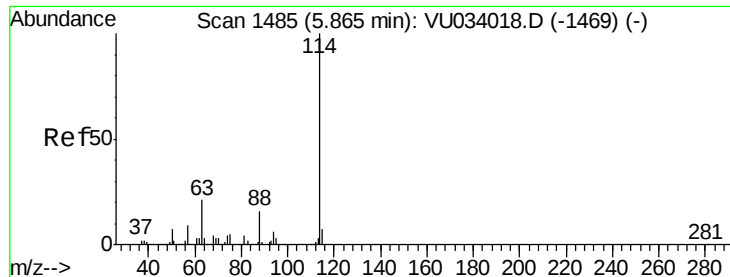
100000

50000

0

Time--> 5.20 5.30 5.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034062.D

Acq: 29 Aug 2019 15:17

Instrument :

MSVOA\_U

ClientSampleId :

PB122636TB

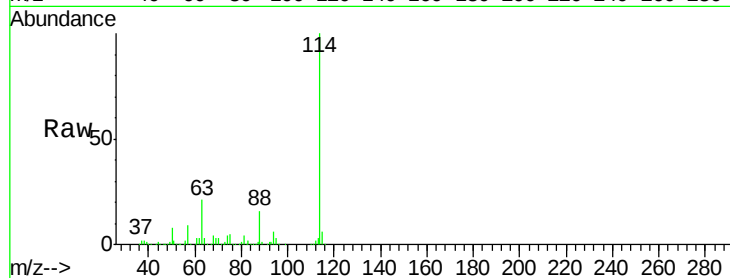
Tot Ion:114 Resp: 735916

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.0

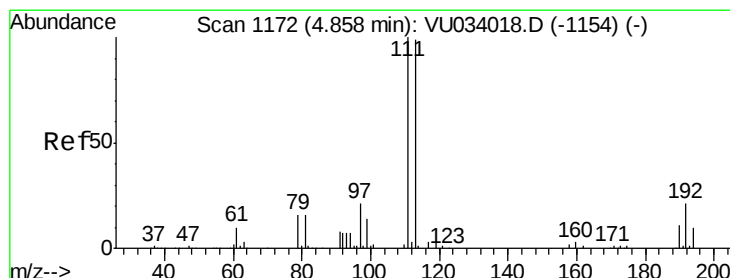
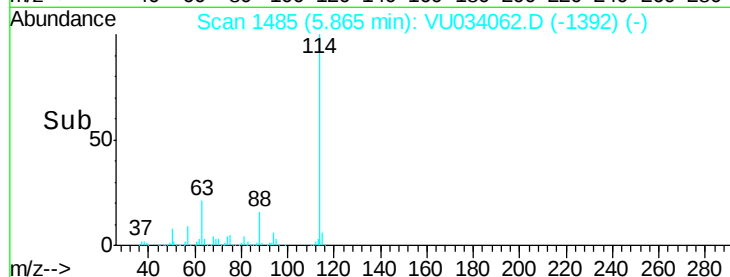
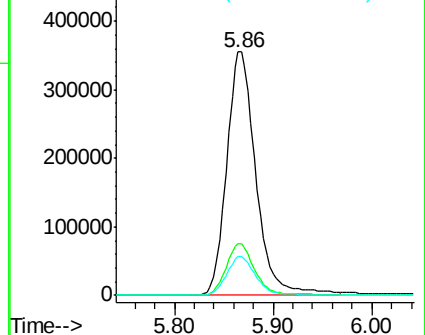
88 16.1 0.0 32.0



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: 47.303 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034062.D

Acq: 29 Aug 2019 15:17

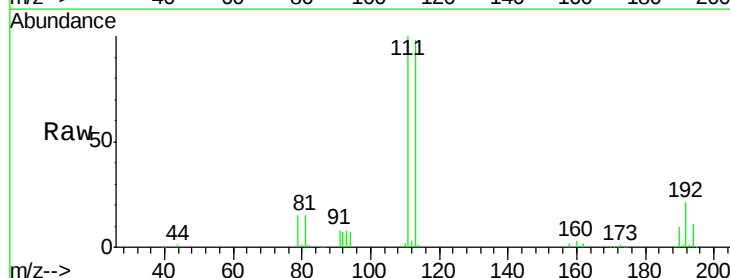
Tgt Ion:113 Resp: 241445

Ion Ratio Lower Upper

113 100

111 105.6 81.7 122.5

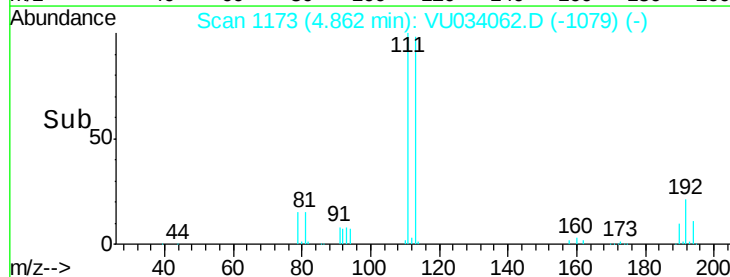
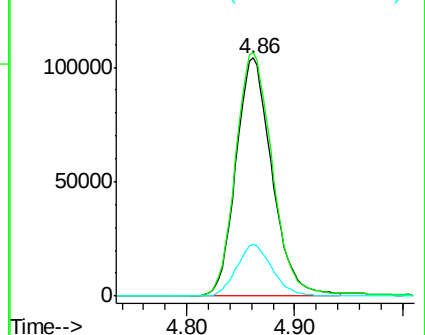
192 21.6 17.1 25.7

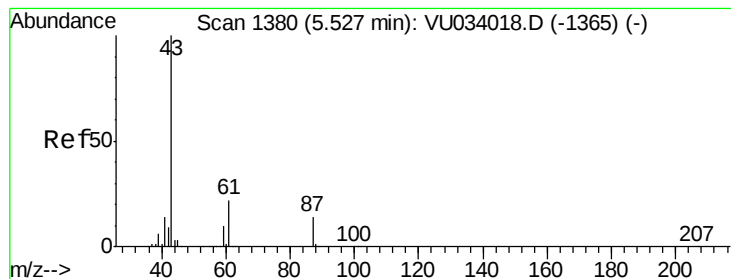


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 8.032 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034062.D

Acq: 29 Aug 2019 15:17

Instrument :

MSVOA\_U

ClientSampled :

PB122636TB

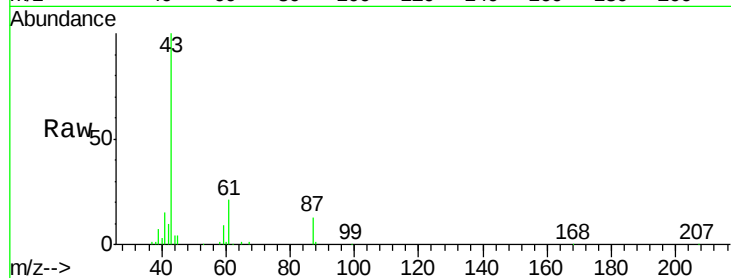
Tot Ion: 43 Resp: 95248

Ion Ratio Lower Upper

43 100

61 20.7 17.2 25.8

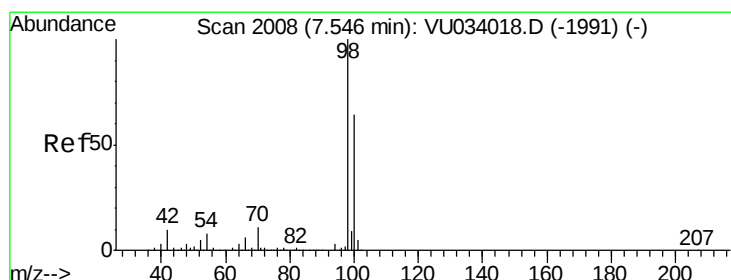
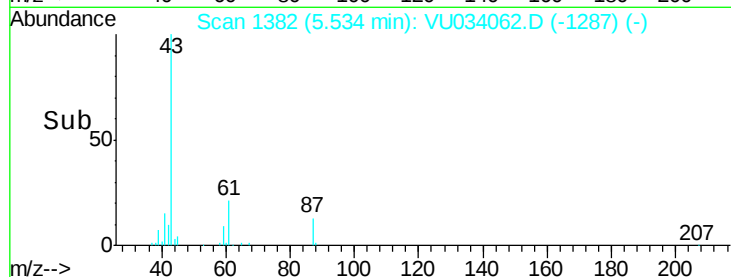
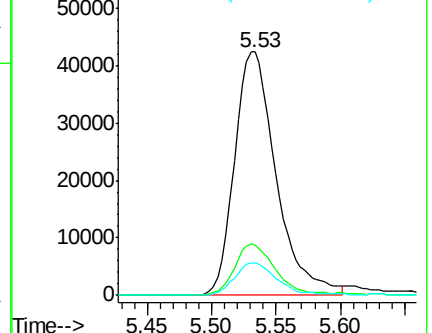
87 13.4 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034062.D (-1382) (-)

Ion 61.00 (60.70 to 61.70): VU034062.D (-1382) (-)

Ion 87.00 (86.70 to 87.70): VU034062.D (-1382) (-)



#50

Toluene-d8

Concen: 50.819 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034062.D

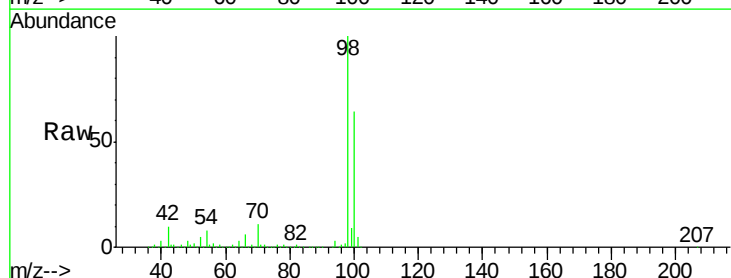
Acq: 29 Aug 2019 15:17

Tgt Ion: 98 Resp: 971269

Ion Ratio Lower Upper

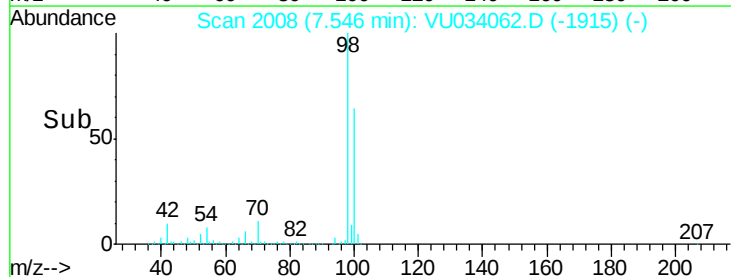
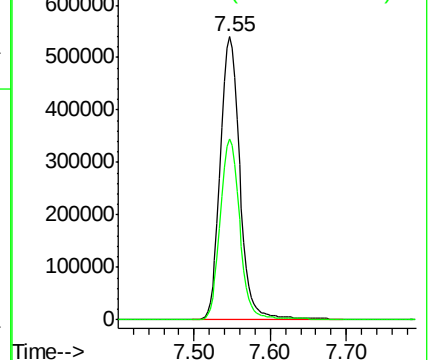
98 100

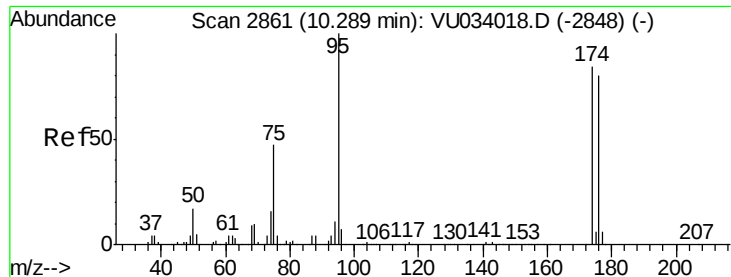
100 63.9 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU034062.D (-2008) (-)

Ion 100.00 (99.70 to 100.70): VU034062.D (-2008) (-)





#62

4-Bromofluorobenzene

Concen: 45.600 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034062.D

Acq: 29 Aug 2019 15:17

Instrument :

MSVOA\_U

ClientSampleId :

PB122636TB

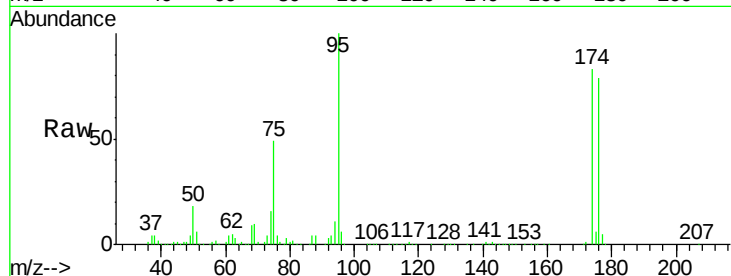
Tot Ion: 95 Resp: 339013

Ion Ratio Lower Upper

95 100

174 84.5 0.0 168.8

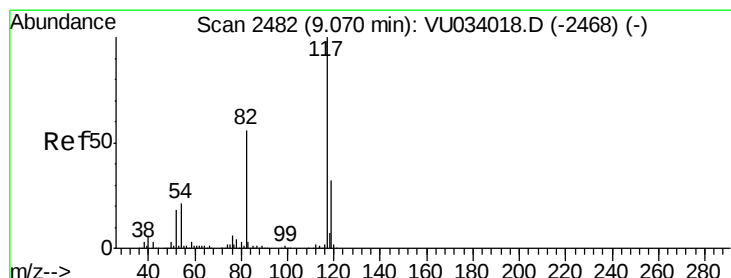
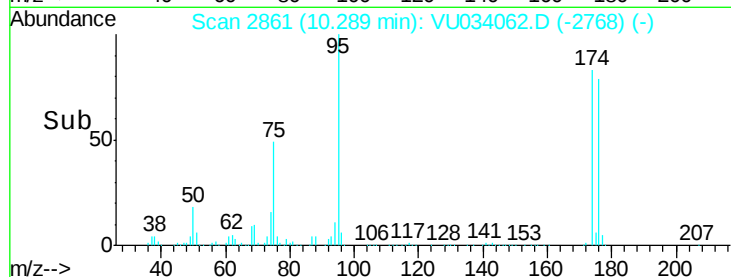
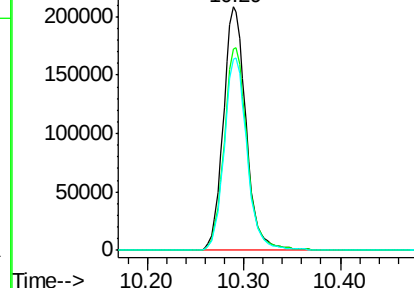
176 79.5 0.0 161.8



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: VU034062.D

Acq: 29 Aug 2019 15:17

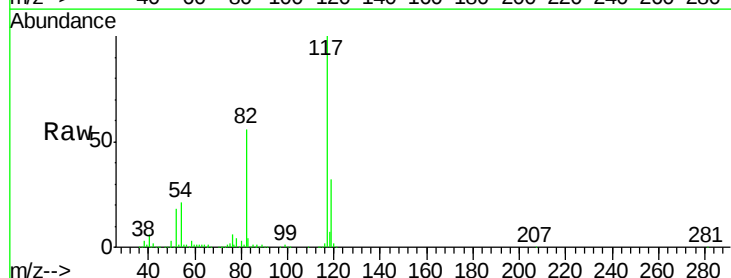
Tgt Ion: 117 Resp: 733120

Ion Ratio Lower Upper

117 100

82 56.2 45.1 67.7

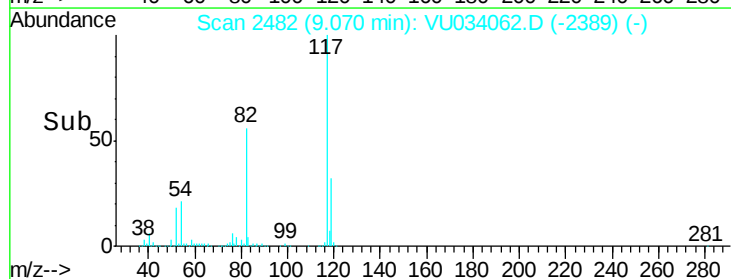
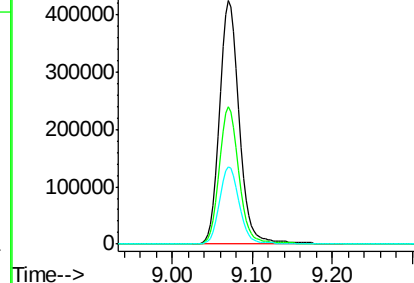
119 32.0 25.4 38.0

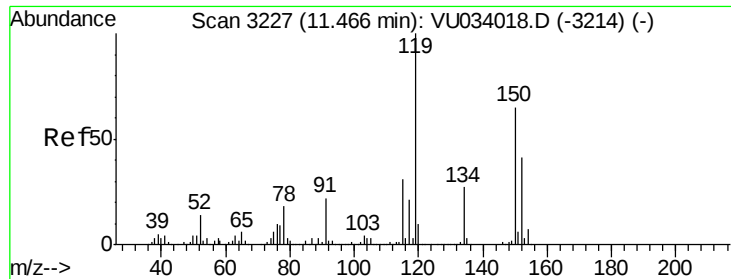


Abundance Ion 116.90 (116.60 to 117.60): VU034018.D (-2468) (-)

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: VU034062.D

Acq: 29 Aug 2019 15:17

Instrument :

MSVOA\_U

ClientSampleId :

PB122636TB

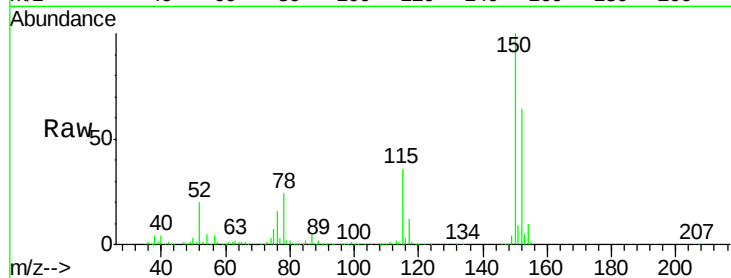
Tot Ion:152 Resp: 355828

Ion Ratio Lower Upper

152 100

115 57.2 41.1 123.3

150 156.5 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

