

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\  
 Data File : VU034522.D  
 Acq On : 12 Sep 2019 16:04  
 Operator : JC/SP  
 Sample : VU0912WBL03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0912WBL03

Quant Time: Sep 13 07:51:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U090619W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 06 05:10:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.96  | 168  | 225920   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.86  | 114  | 325225   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.07  | 117  | 322125   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 186792   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 5.29   | 65  | 188574   | 55.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.34% |      |
| 35) Dibromofluoromethane    | 4.86   | 113 | 167039   | 55.20 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.40% |      |
| 50) Toluene-d8              | 7.54   | 98  | 578667   | 50.90 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.80% |      |
| 62) 4-Bromofluorobenzene    | 10.29  | 95  | 204197   | 46.52 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.04%  |      |

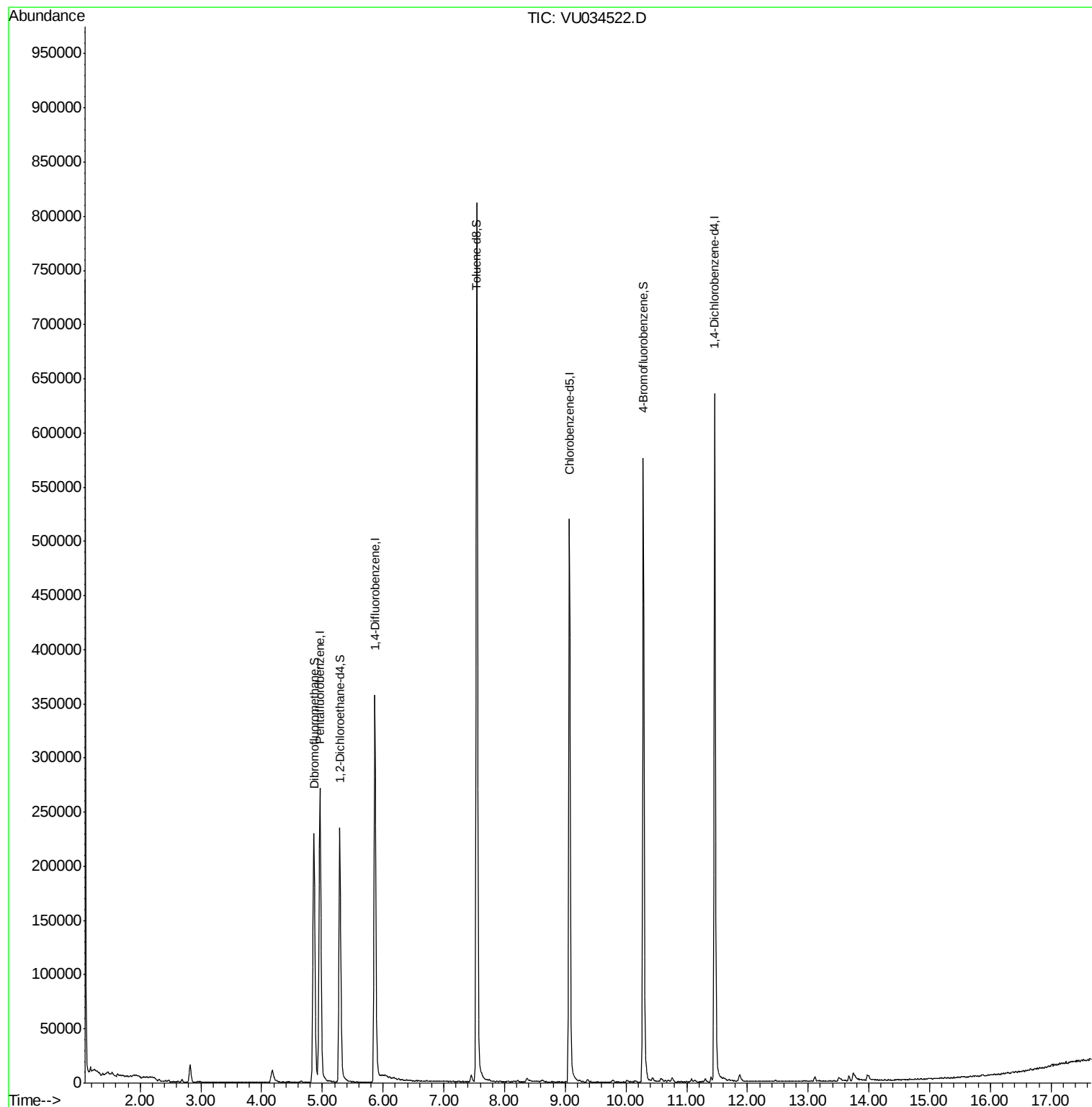
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

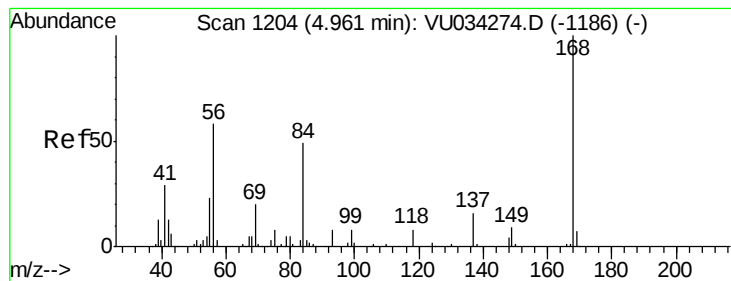
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Sep 06 05:10:13 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: VU034522.D

Acq: 12 Sep 2019 16:04

Instrument :

MSVOA\_U

ClientSampleId :

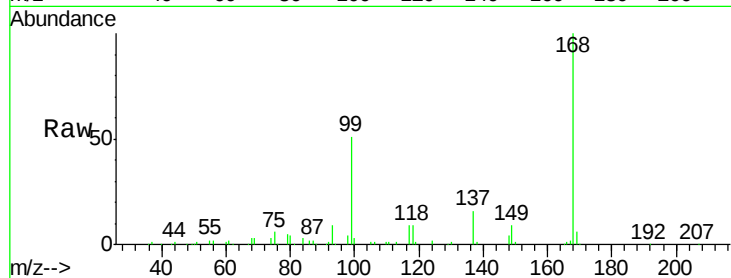
VU0912WBL03

Tot Ion:168 Resp: 225920

Ion Ratio Lower Upper

168 100

99 51.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

100000

80000

60000

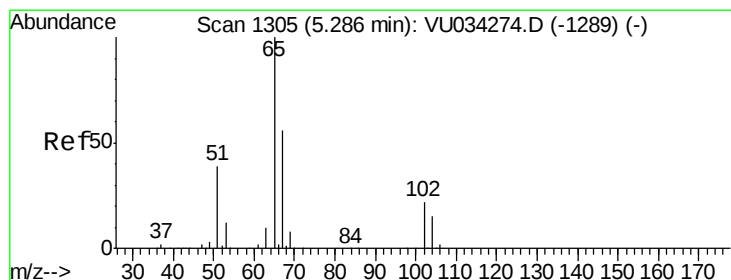
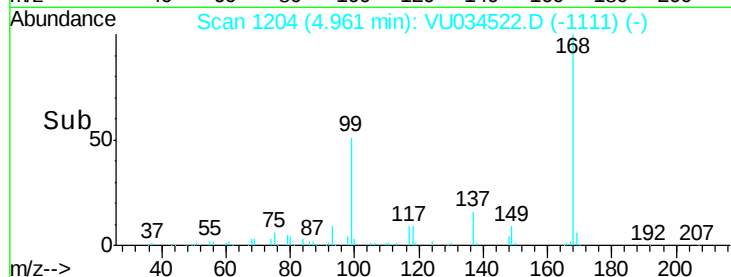
40000

20000

0

4.90 5.00 5.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.167 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034522.D

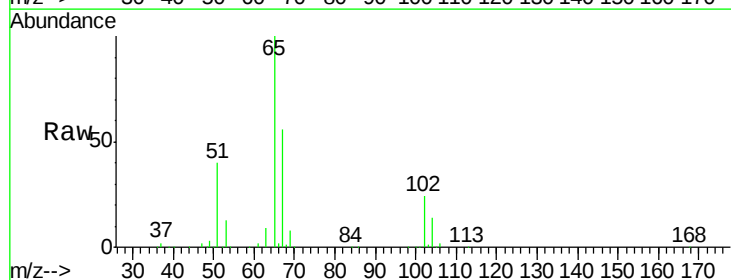
Acq: 12 Sep 2019 16:04

Tgt Ion: 65 Resp: 188574

Ion Ratio Lower Upper

65 100

67 54.7 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034274.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034274.D (-1289) (-)

5.29

80000

60000

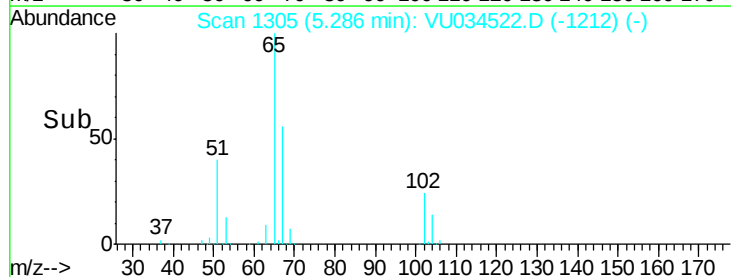
40000

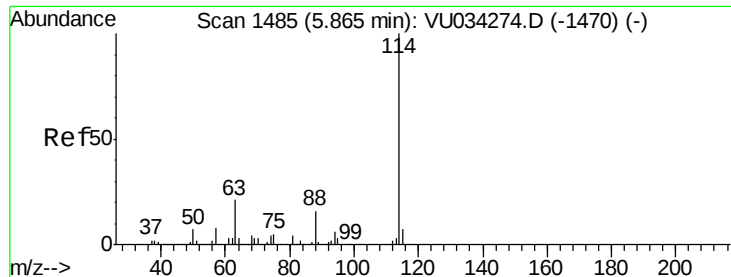
20000

0

5.20 5.30 5.40 5.50

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034522.D

Acq: 12 Sep 2019 16:04

Instrument :

MSVOA\_U

ClientSampleId :

VU0912WBL03

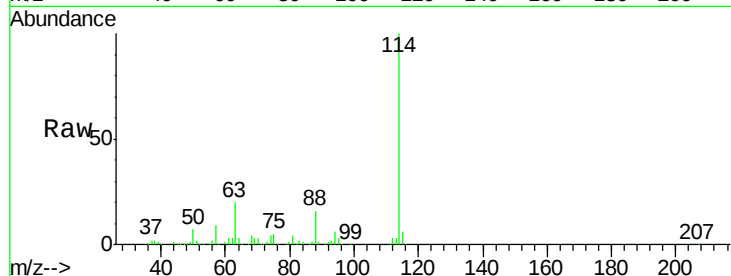
Tot Ion:114 Resp: 325225

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

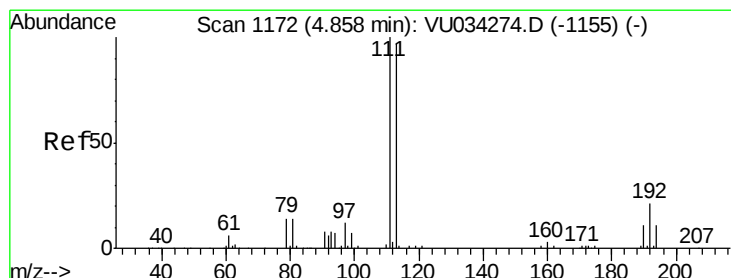
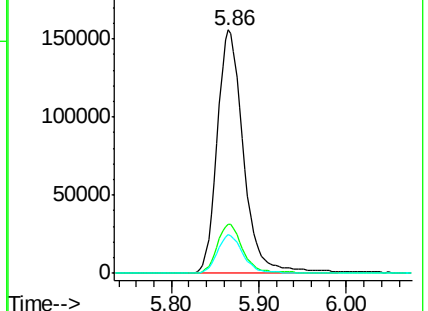
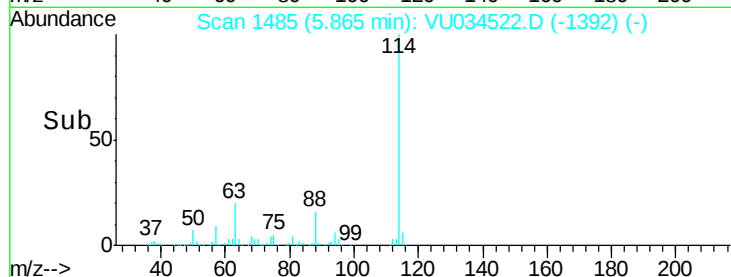
88 15.8 0.0 32.4



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: 55.197 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034522.D

Acq: 12 Sep 2019 16:04

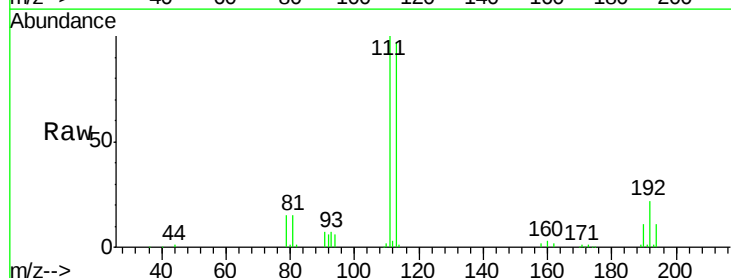
Tgt Ion:113 Resp: 167039

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

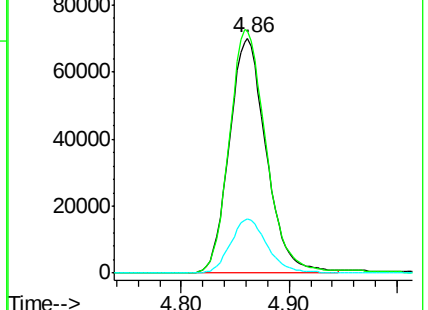
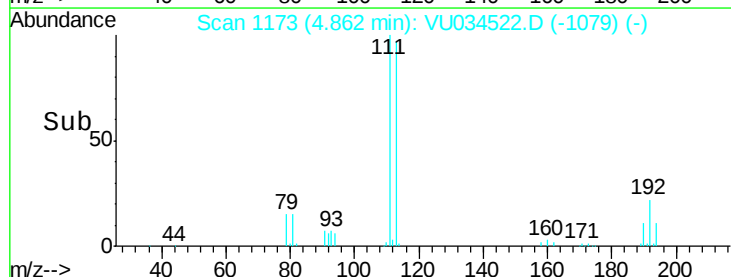
192 22.8 17.8 26.8

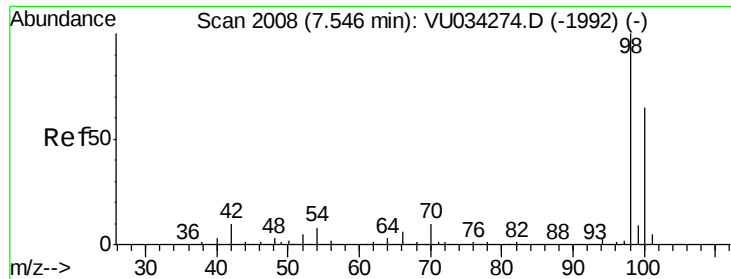


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.896 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034522.D

Acq: 12 Sep 2019 16:04

Instrument :

MSVOA\_U

ClientSampleId :

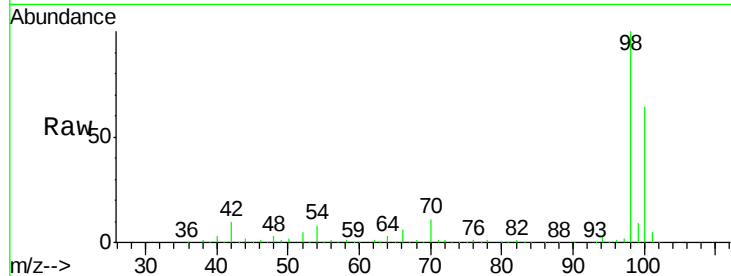
VU0912WBL03

Tot Ion: 98 Resp: 578667

Ion Ratio Lower Upper

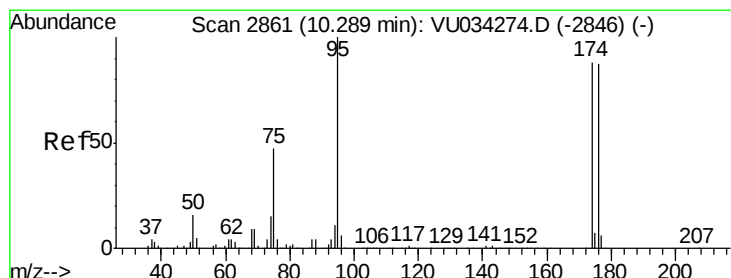
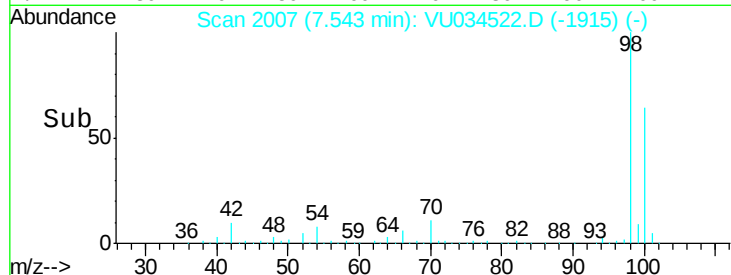
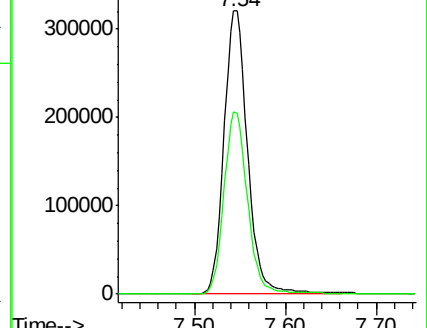
98 100

100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034274.D (-1992) (-)

Ion 100.00 (99.70 to 100.70): VU034274.D (-1992) (-)



#62

4-Bromofluorobenzene

Concen: 46.517 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034522.D

Acq: 12 Sep 2019 16:04

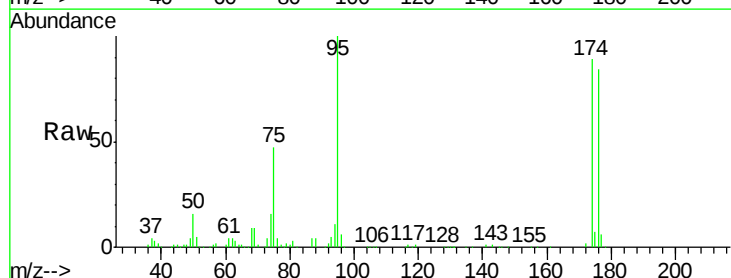
Tgt Ion: 95 Resp: 204197

Ion Ratio Lower Upper

95 100

174 89.7 0.0 175.2

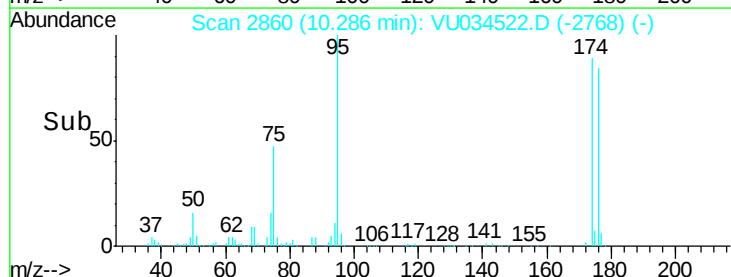
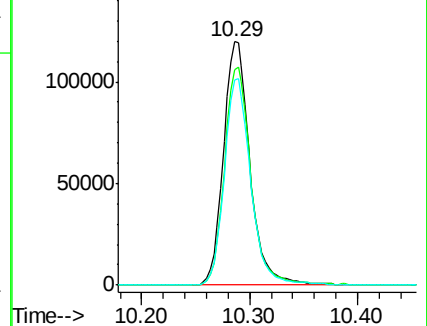
176 84.7 0.0 168.0

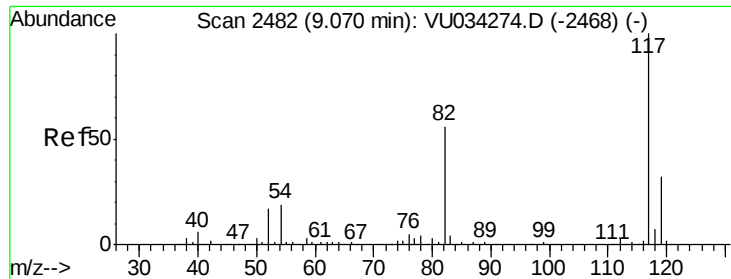


Abundance Ion 94.90 (94.60 to 95.60): VU034274.D (-2846) (-)

Ion 173.80 (173.50 to 174.50): VU034274.D (-2846) (-)

Ion 175.80 (175.50 to 176.50): VU034274.D (-2846) (-)

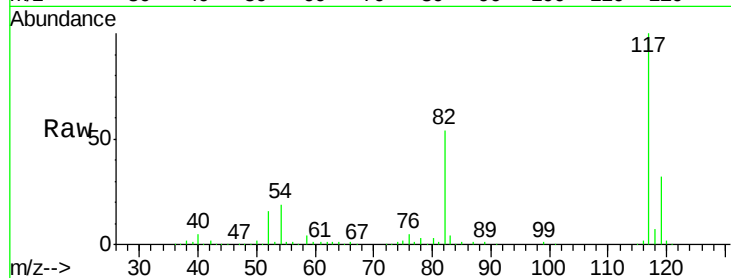




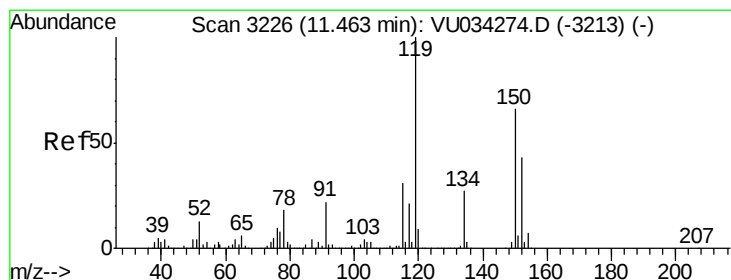
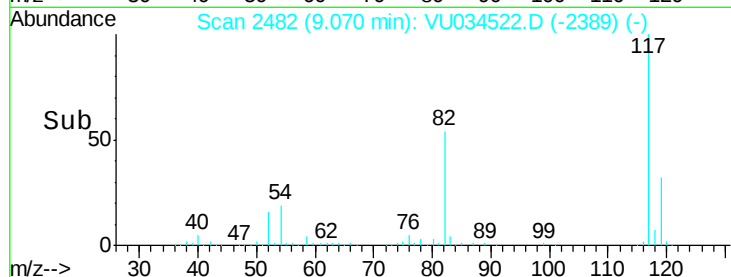
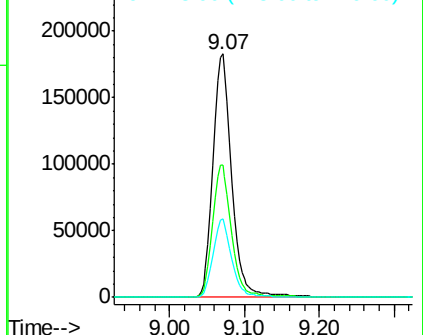
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034522.D  
Acq: 12 Sep 2019 16:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0912WBL03

Tot Ion:117 Resp: 322125  
Ion Ratio Lower Upper  
117 100  
82 54.1 44.6 67.0  
119 32.3 25.9 38.9

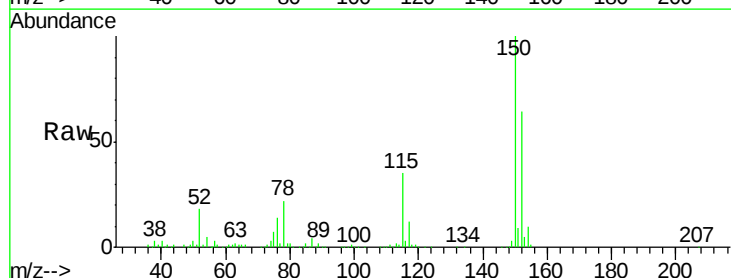


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.46 min Scan# 3226  
Delta R.T. 0.00 min  
Lab File: VU034522.D  
Acq: 12 Sep 2019 16:04

Tgt Ion:152 Resp: 186792  
Ion Ratio Lower Upper  
152 100  
115 55.4 39.1 117.3  
150 157.9 0.0 345.4



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

