

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\  
 Data File : VU027394.D  
 Acq On : 04 Oct 2018 09:37  
 Operator : MD/SY  
 Sample : VU1004MBL02  
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1004MBL02

Quant Time: Oct 05 03:48:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 02:04:34 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 96011    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 169271   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 161576   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 83546    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65  | 98692    | 61.56 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 123.12% |      |
| 35) Dibromofluoromethane    | 4.89   | 113 | 70132    | 60.46 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 120.92% |      |
| 50) Toluene-d8              | 7.57   | 98  | 262088   | 60.36 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 120.72% |      |
| 62) 4-Bromofluorobenzene    | 10.31  | 95  | 90938    | 56.36 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.72% |      |

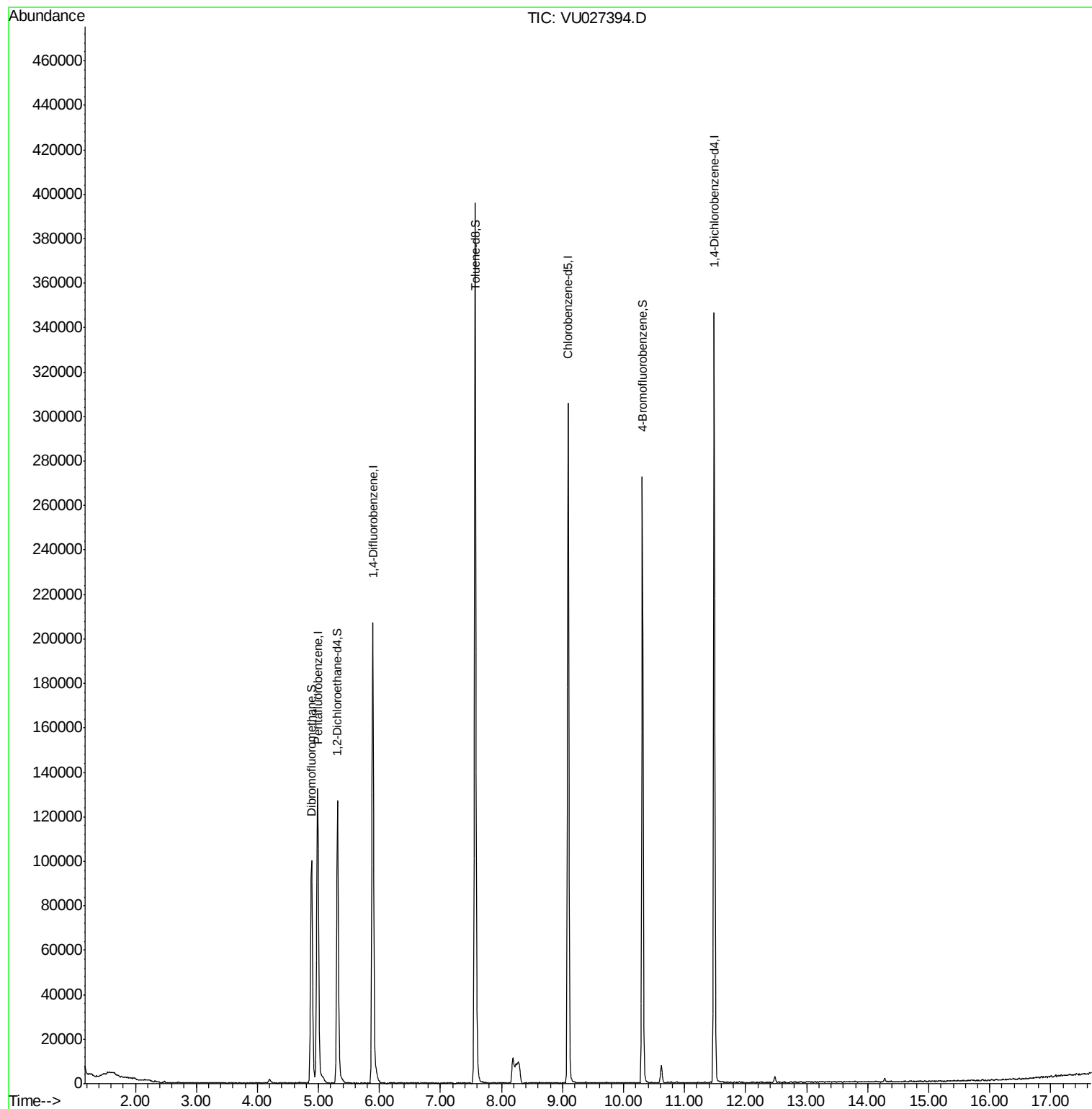
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

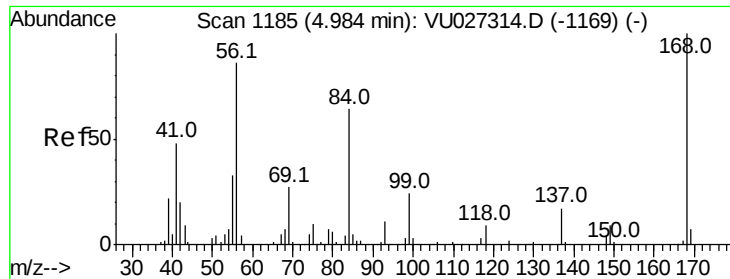
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 02 02:04:34 2018  
Response via : Initial Calibration

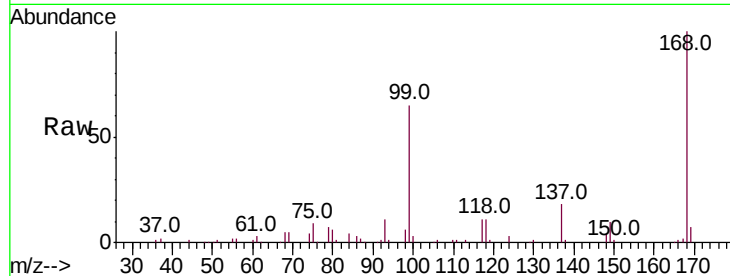




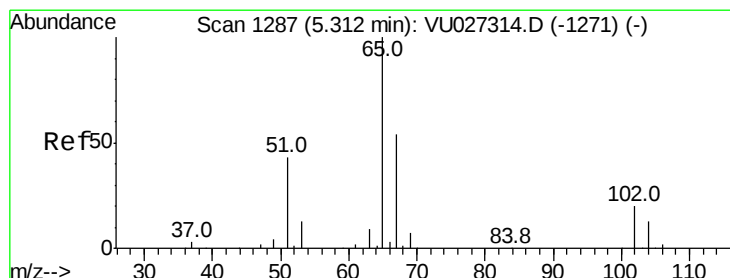
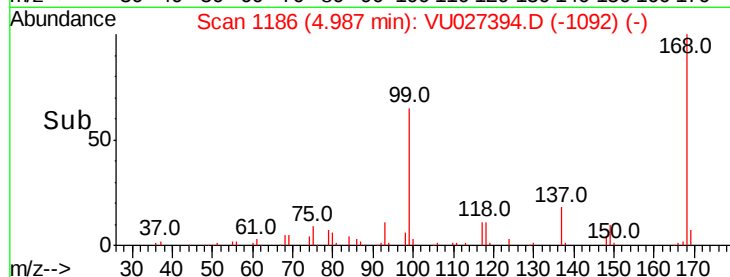
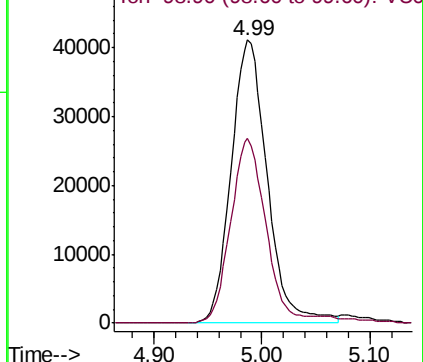
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 4.99 min Scan# 1186  
Delta R.T. 0.00 min  
Lab File: VU027394.D  
Acq: 04 Oct 2018 09:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1004MBL02

Tot Ion:168 Resp: 96011  
Ion Ratio Lower Upper  
168 100  
99 65.1 50.8 76.2

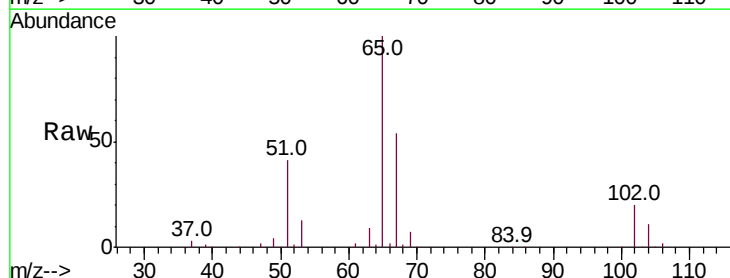


Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)  
Ion 98.90 (98.60 to 99.60): VU027394.D (-1092) (-)

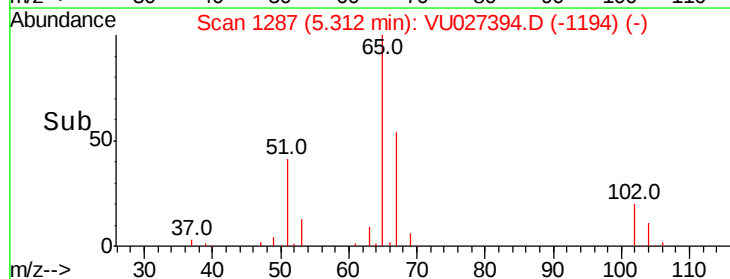
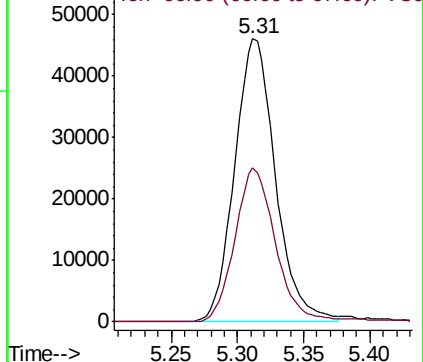


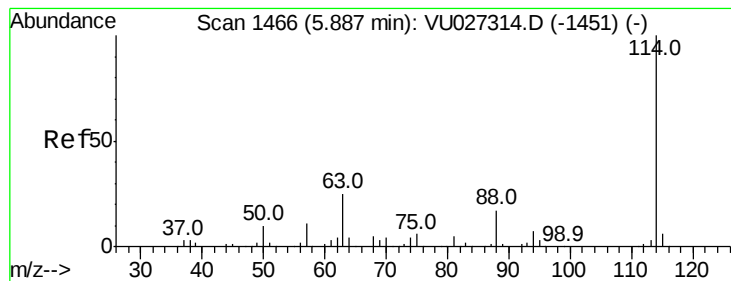
#33  
1,2-Dichloroethane-d4  
Concen: 61.559 ug/l  
RT: 5.31 min Scan# 1287  
Delta R.T. 0.00 min  
Lab File: VU027394.D  
Acq: 04 Oct 2018 09:37

Tgt Ion: 65 Resp: 98692  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU027314.D (-1271) (-)  
Ion 66.90 (66.60 to 67.60): VU027394.D (-1194) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027394.D

Acq: 04 Oct 2018 09:37

Instrument :

MSVOA\_U

ClientSampleId :

VU1004MBL02

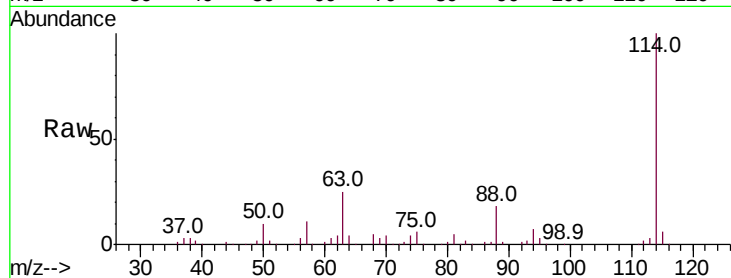
Tot Ion:114 Resp: 169271

Ion Ratio Lower Upper

114 100

63 25.3 0.0 50.2

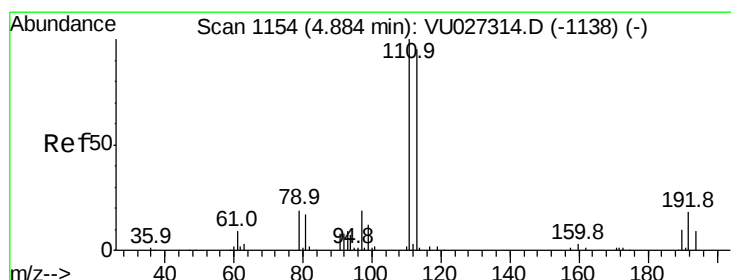
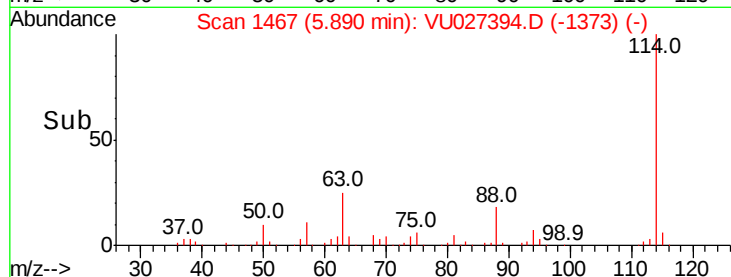
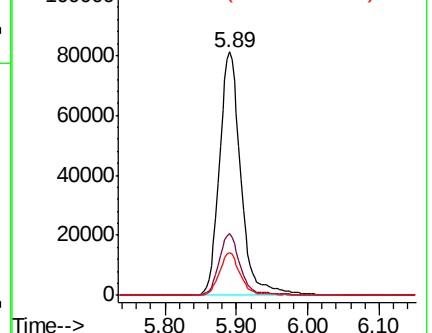
88 17.6 0.0 33.8



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: 60.455 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027394.D

Acq: 04 Oct 2018 09:37

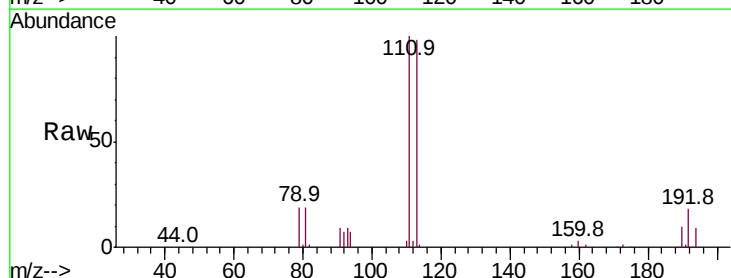
Tgt Ion:113 Resp: 70132

Ion Ratio Lower Upper

113 100

111 103.4 83.1 124.7

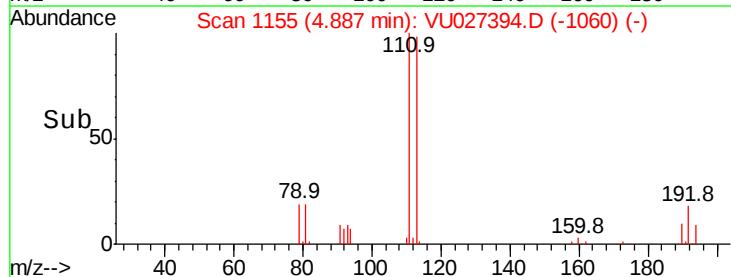
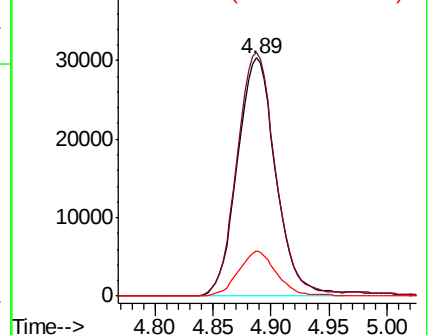
192 18.7 15.4 23.0

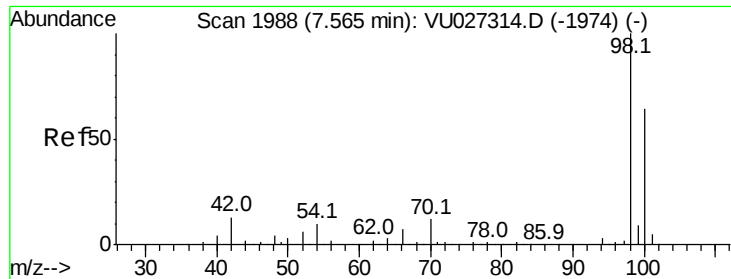


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 60.364 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027394.D

Acq: 04 Oct 2018 09:37

Instrument :

MSVOA\_U

ClientSampleId :

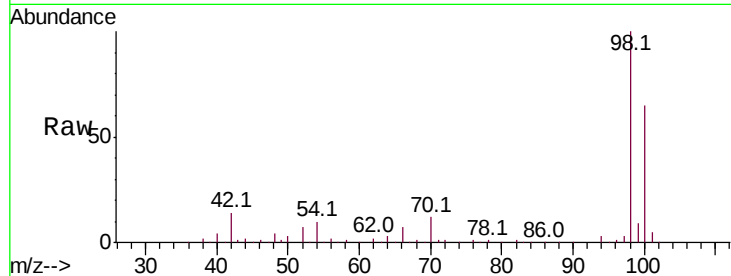
VU1004MBL02

Tot Ion: 98 Resp: 262088

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027314.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027314.D (-1974) (-)

7.57

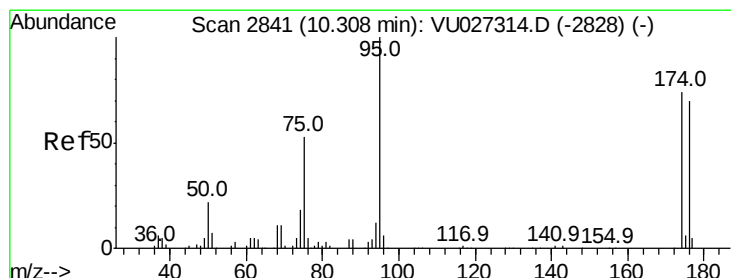
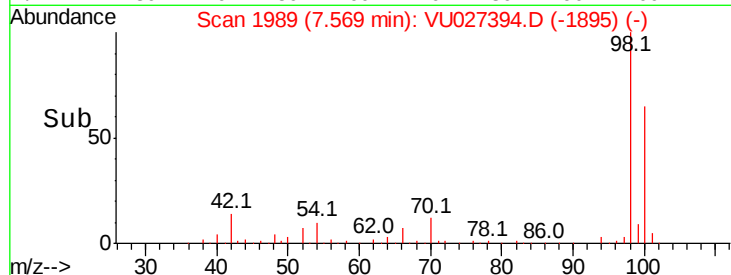
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.358 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027394.D

Acq: 04 Oct 2018 09:37

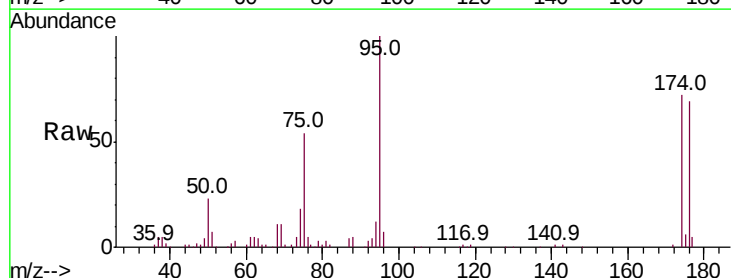
Tgt Ion: 95 Resp: 90938

Ion Ratio Lower Upper

95 100

174 74.0 0.0 147.8

176 70.1 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU027314.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027314.D (-2828) (-)

10.31

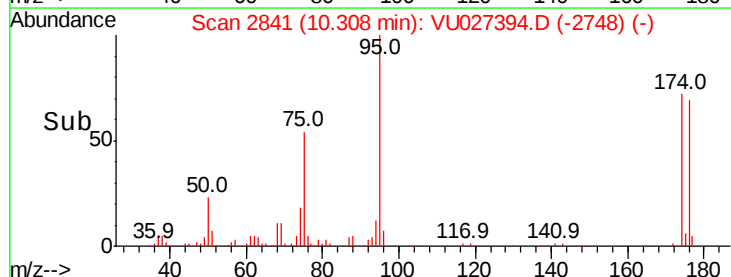
60000

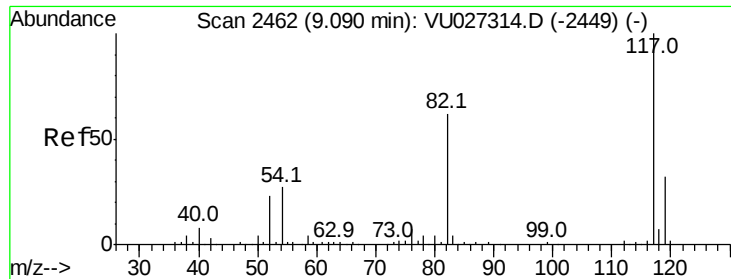
40000

20000

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Time-->

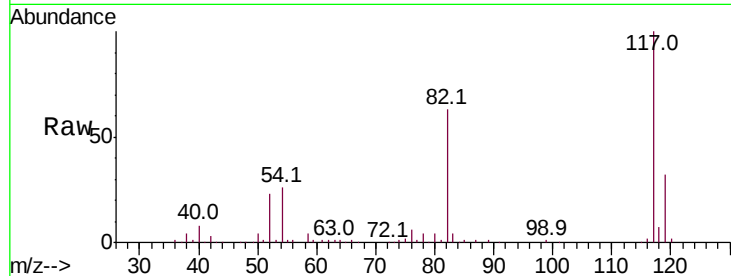




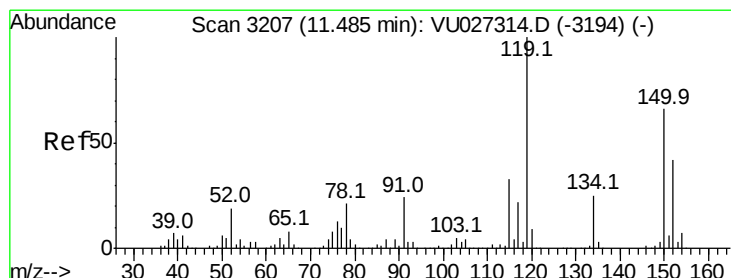
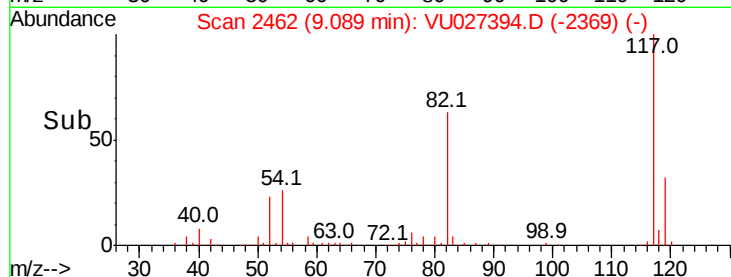
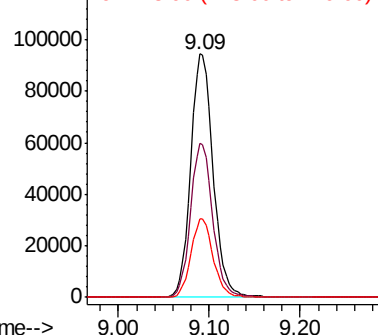
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU027394.D  
Acq: 04 Oct 2018 09:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1004MBL02

Tot Ion:117 Resp: 161576  
Ion Ratio Lower Upper  
117 100  
82 63.2 49.2 73.8  
119 32.0 25.7 38.5

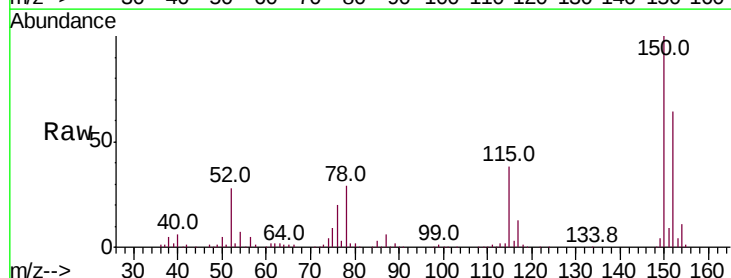


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. -0.00 min  
Lab File: VU027394.D  
Acq: 04 Oct 2018 09:37

Tgt Ion:152 Resp: 83546  
Ion Ratio Lower Upper  
152 100  
115 60.3 43.4 130.2  
150 156.2 0.0 349.2



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

