

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112918\  
 Data File : VU028384.D  
 Acq On : 29 Nov 2018 11:32  
 Operator : MD/SY  
 Sample : J6117-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TB

Quant Time: Nov 30 07:00:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U112818W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 29 01:04:49 2018  
 Response via : Initial Calibration

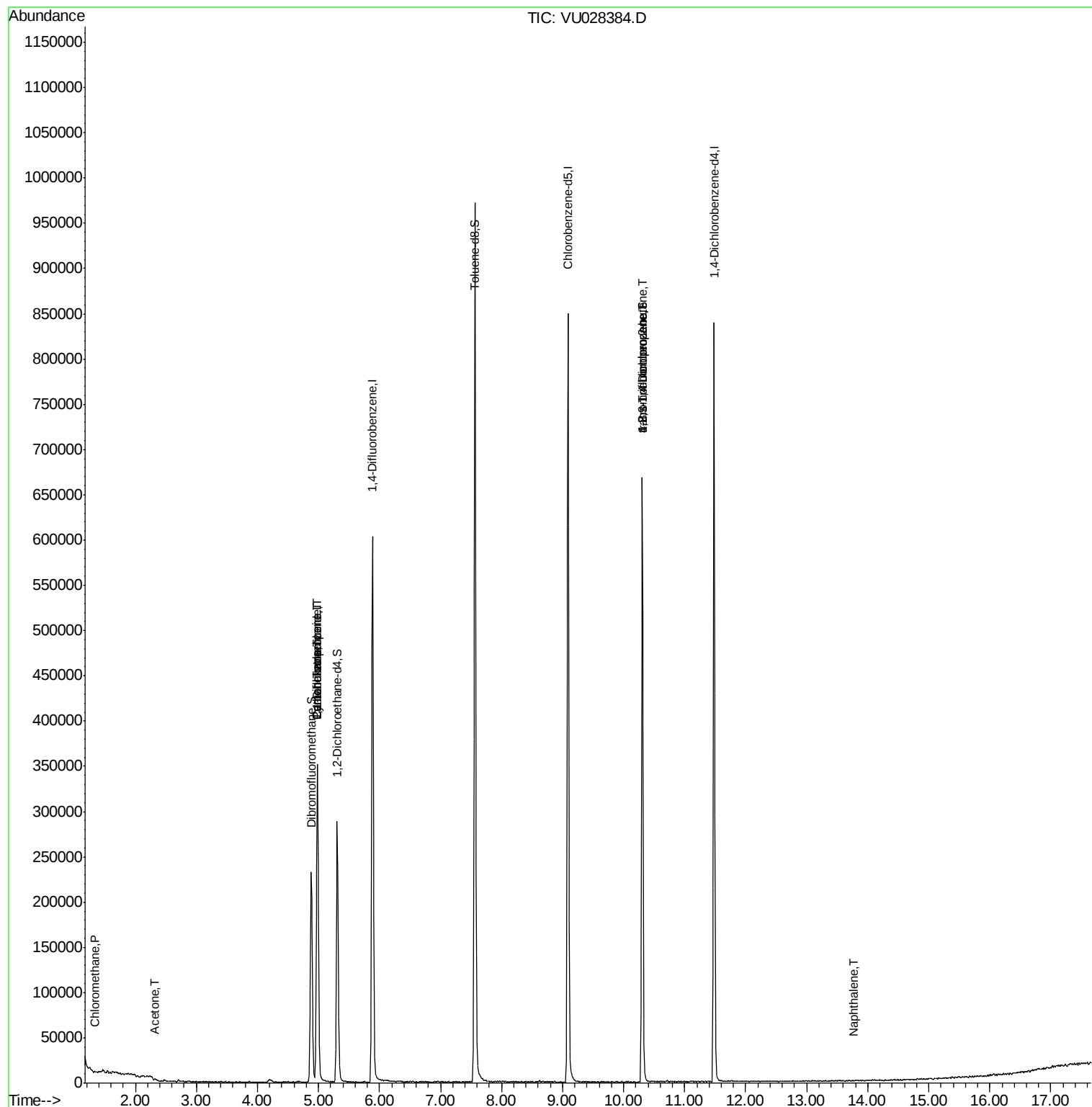
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene          | 4.98  | 168  | 257626   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 5.89  | 114  | 479915   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 9.09  | 117  | 447691   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 11.48 | 152  | 197415   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4      | 5.31  | 65   | 220256   | 51.16  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 102.32% |          |
| 35) Dibromofluoromethane       | 4.88  | 113  | 158590   | 49.70  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 99.40%  |          |
| 50) Toluene-d8                 | 7.57  | 98   | 632464   | 49.56  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 99.12%  |          |
| 62) 4-Bromofluorobenzene       | 10.31 | 95   | 224850   | 48.88  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 97.76%  |          |
| Target Compounds               |       |      |          |        |         |          |
|                                |       |      |          |        | Qvalue  |          |
| 3) Chloromethane               | 1.33  | 50   | 1506     | 0.225  | ug/l #  | 73       |
| 16) Acetone                    | 2.32  | 43   | 1101     | 0.418  | ug/l    | 98       |
| 31) Cyclohexane                | 4.98  | 56   | 6390     | 0.510  | ug/l #  | 1        |
| 36) 1,1-Dichloropropene        | 4.98  | 75   | 23577    | 4.489  | ug/l #  | 47       |
| 38) Carbon Tetrachloride       | 4.98  | 117  | 25712    | 5.962  | ug/l #  | 16       |
| 76) 1,2,3-Trichloropropane     | 10.31 | 75   | 117204   | 21.409 | ug/l #  | 33       |
| 81) trans-1,4-Dichloro-2-buten | 10.31 | 75   | 117204   | 56.830 | ug/l #  | 100      |
| 95) Naphthalene                | 13.78 | 128  | 201      | 2.847  | ug/l #  | 69       |

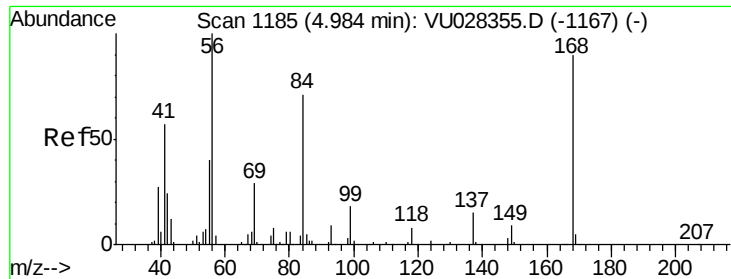
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_U  
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TB

Quant Time: Nov 30 07:00:52 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U112818W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 29 01:04:49 2018  
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: VU028384.D

Acq: 29 Nov 2018 11:32

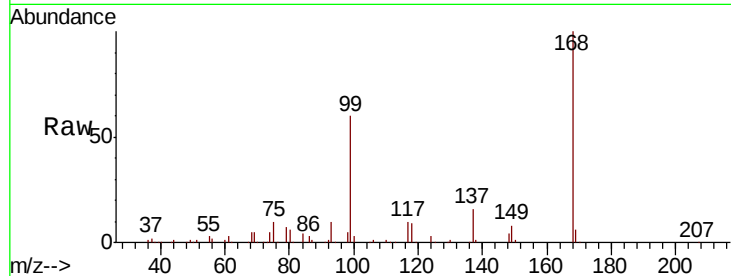
Instrument :  
MSVOA\_U  
ClientSampleId :  
TB

Tot Ion:168 Resp: 257626

Ion Ratio Lower Upper

168 100

99 59.6 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

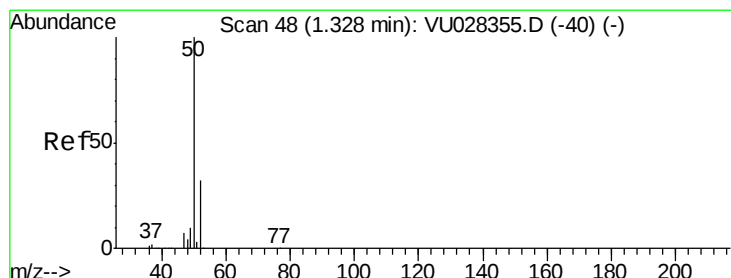
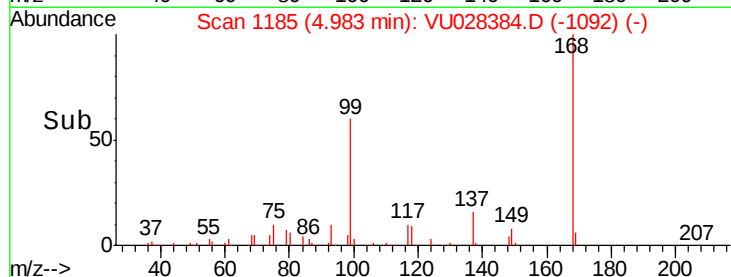
4.98

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028384.D

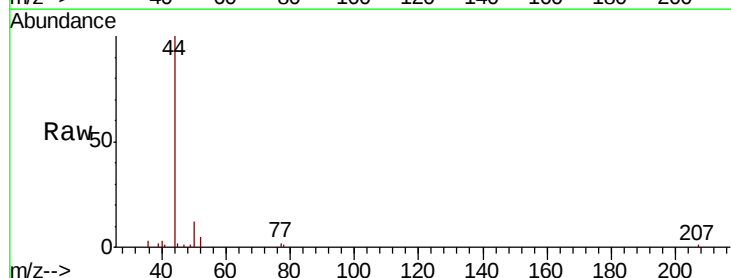
Acq: 29 Nov 2018 11:32

Tgt Ion: 50 Resp: 1506

Ion Ratio Lower Upper

50 100

52 46.7 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VU028355.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028355.D (-40) (-)

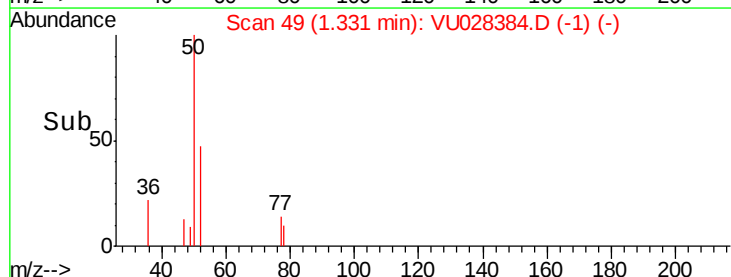
1.33

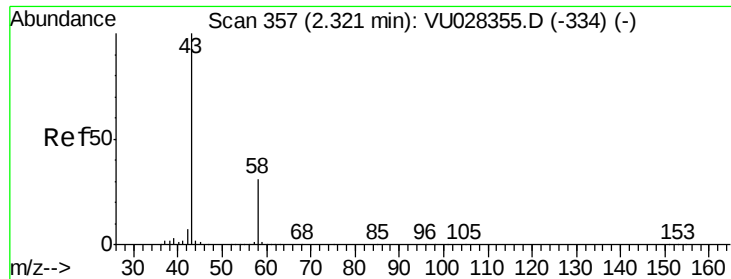
1000

500

0

Time-->





#16

Acetone

Concen: 0.418 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028384.D

Acq: 29 Nov 2018 11:32

Instrument :

MSVOA\_U

ClientSampled :

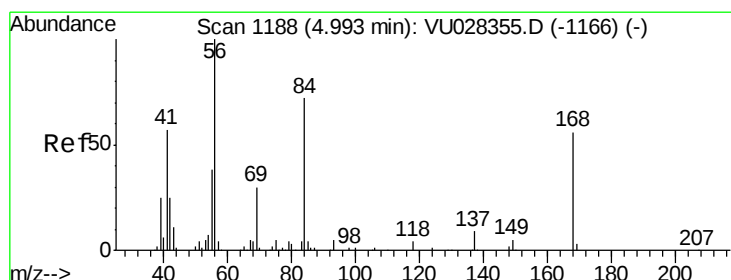
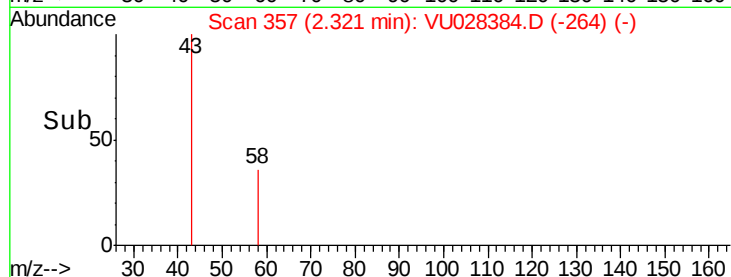
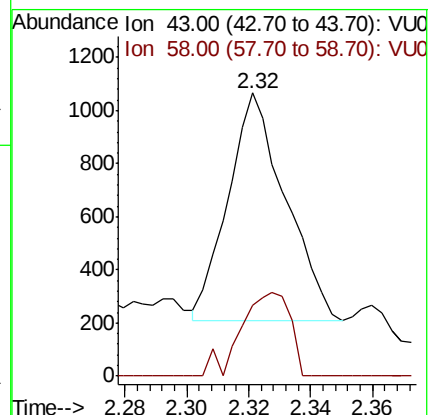
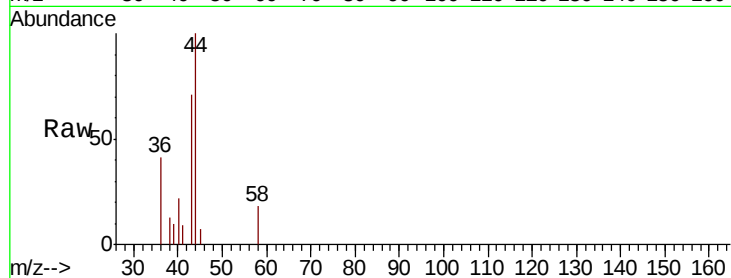
TB

Tot Ion: 43 Resp: 1101

Ion Ratio Lower Upper

43 100

58 31.5 24.4 36.6



#31

Cyclohexane

Concen: 0.510 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VU028384.D

Acq: 29 Nov 2018 11:32

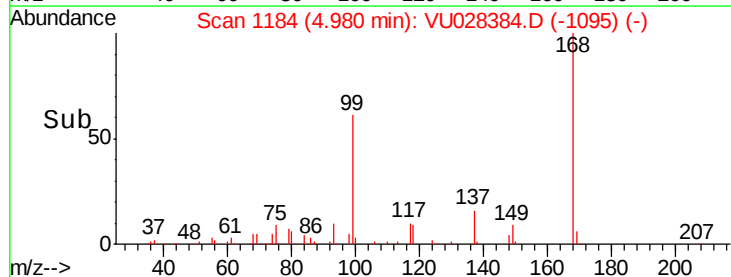
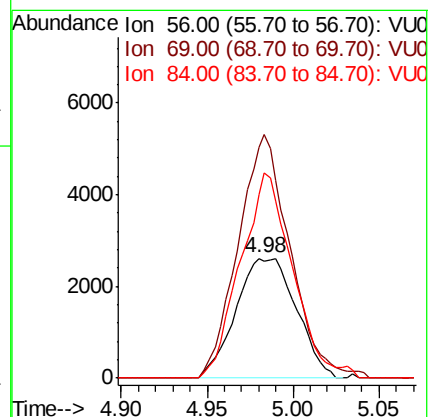
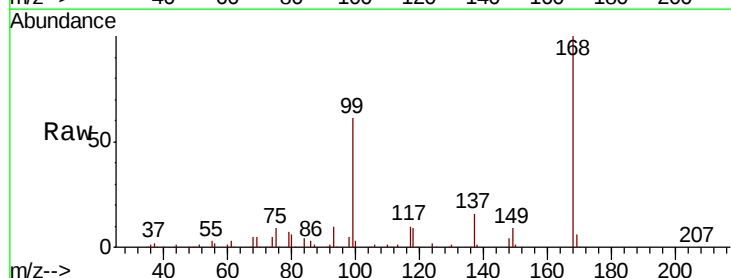
Tgt Ion: 56 Resp: 6390

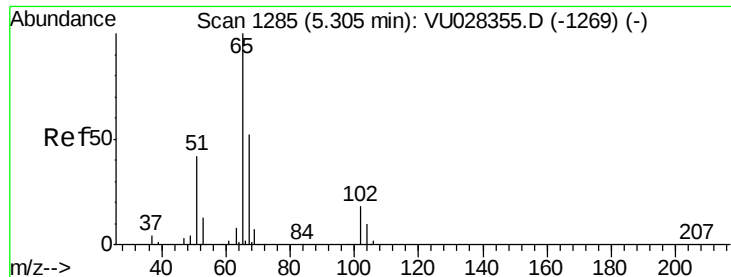
Ion Ratio Lower Upper

56 100

69 191.8 23.7 35.5#

84 152.8 57.3 85.9#





#33

1,2-Dichloroethane-d4

Concen: 51.156 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028384.D

Acq: 29 Nov 2018 11:32

Instrument :

MSVOA\_U

ClientSampleId :

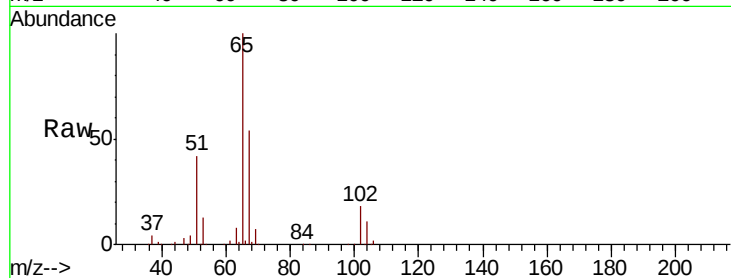
TB

Tot Ion: 65 Resp: 220256

Ion Ratio Lower Upper

65 100

67 54.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU028355.D (-1269) (-)

Ion 66.90 (66.60 to 67.60): VU028355.D (-1269) (-)

5.31

120000

100000

80000

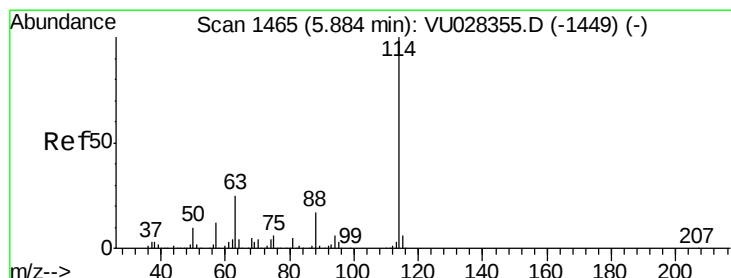
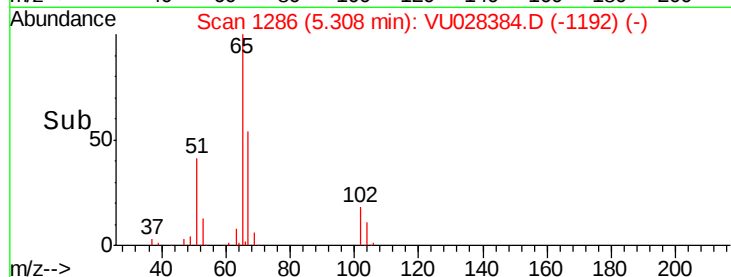
60000

40000

20000

0

Time--> 5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028384.D

Acq: 29 Nov 2018 11:32

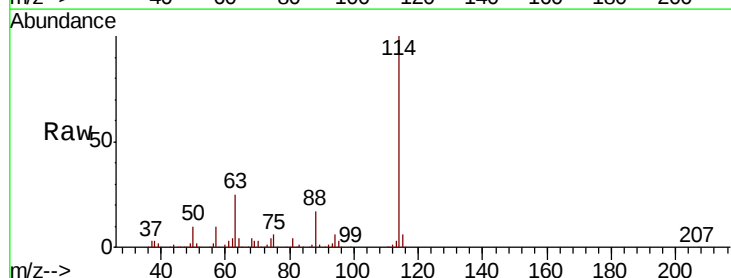
Tgt Ion: 114 Resp: 479915

Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.0

88 16.7 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VU028355.D (-1449) (-)

Ion 63.00 (62.70 to 63.70): VU028355.D (-1449) (-)

Ion 87.90 (87.60 to 88.60): VU028355.D (-1449) (-)

5.89

300000

250000

200000

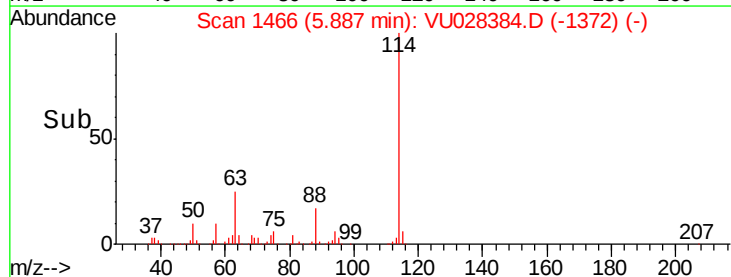
150000

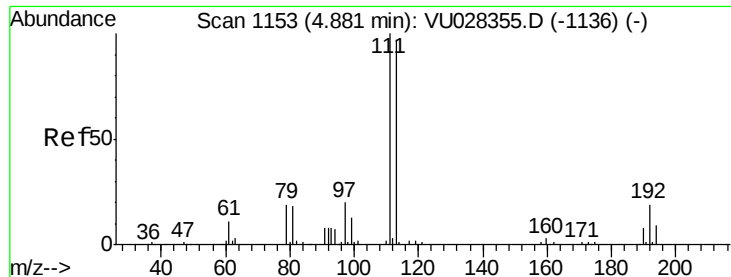
100000

50000

0

Time--> 5.80 5.85 5.90 5.95

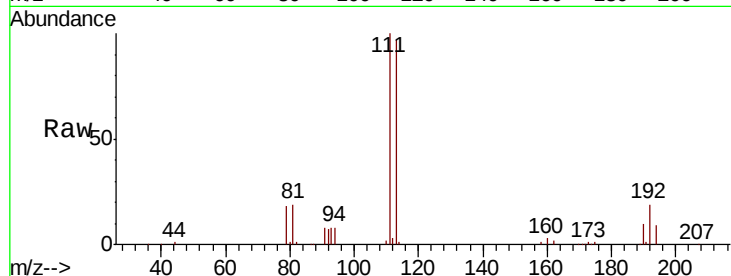




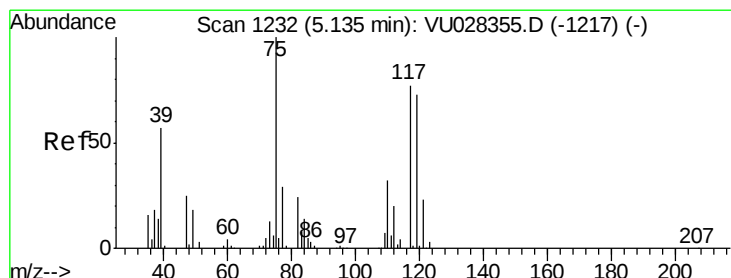
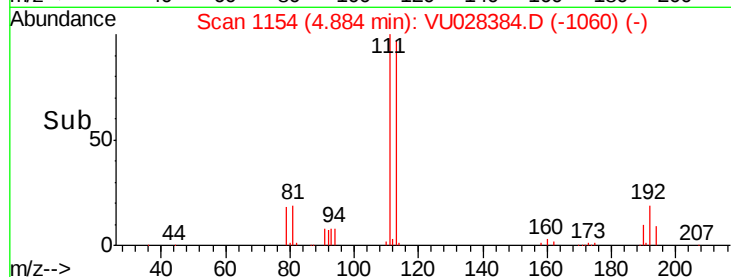
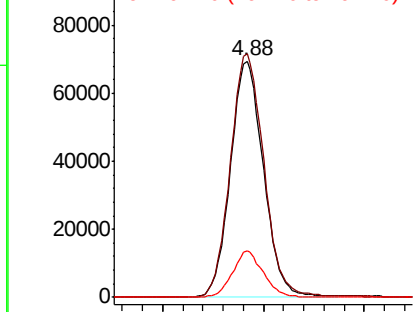
#35  
Dibromofluoromethane  
Concen: 49.695 ug/l  
RT: 4.88 min Scan# 1154  
Delta R.T. 0.00 min  
Lab File: VU028384.D  
Acq: 29 Nov 2018 11:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
TB

Tot Ion:113 Resp: 158590  
Ion Ratio Lower Upper  
113 100  
111 104.7 82.9 124.3  
192 18.3 15.4 23.0

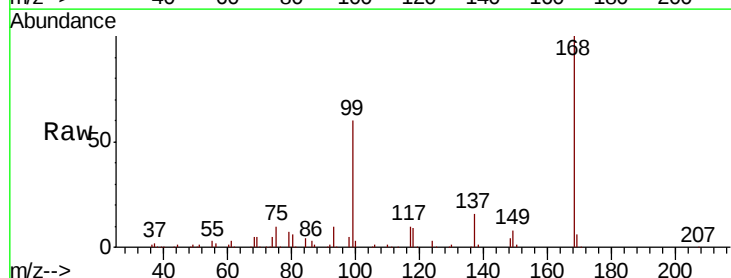


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

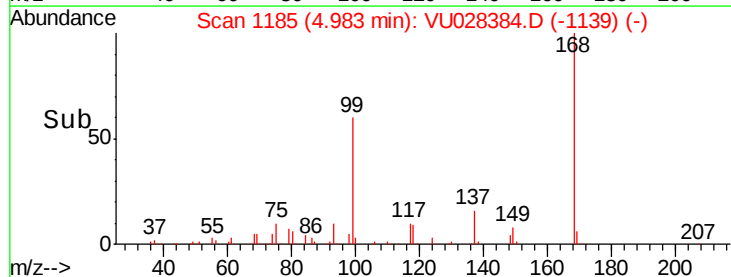
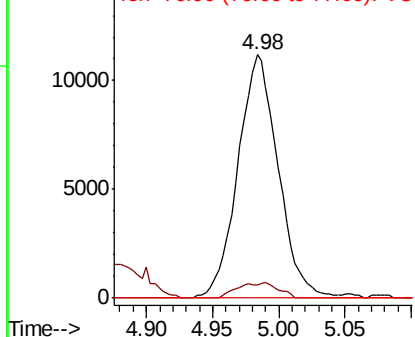


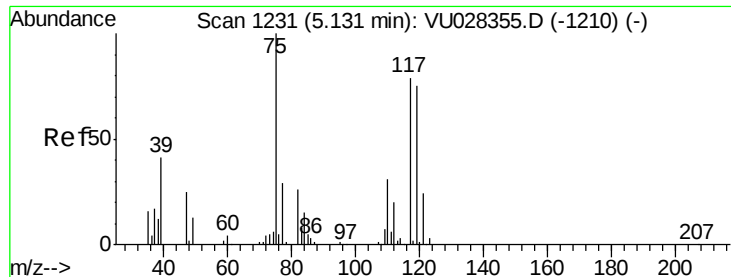
#36  
1,1-Dichloropropene  
Concen: 4.489 ug/l  
RT: 4.98 min Scan# 1185  
Delta R.T. -0.15 min  
Lab File: VU028384.D  
Acq: 29 Nov 2018 11:32

Tgt Ion: 75 Resp: 23577  
Ion Ratio Lower Upper  
75 100  
110 3.4 15.8 47.4#  
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.962 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028384.D

Acq: 29 Nov 2018 11:32

Instrument :

MSVOA\_U

ClientSampled :

TB

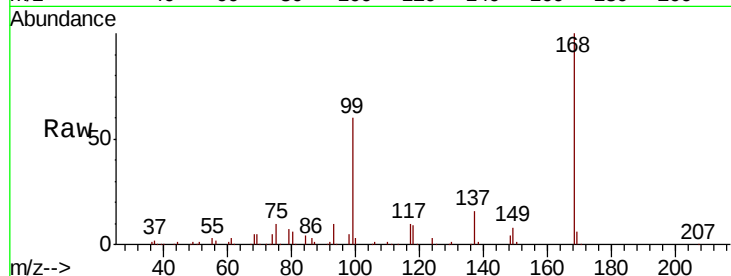
Tot Ion:117 Resp: 25712

Ion Ratio Lower Upper

117 100

119 4.9 76.3 114.5#

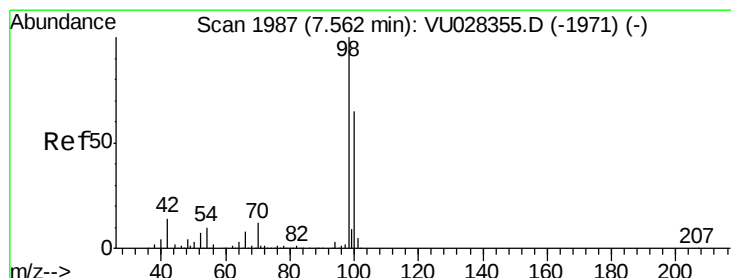
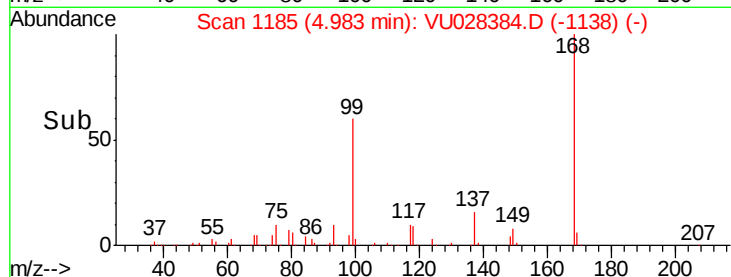
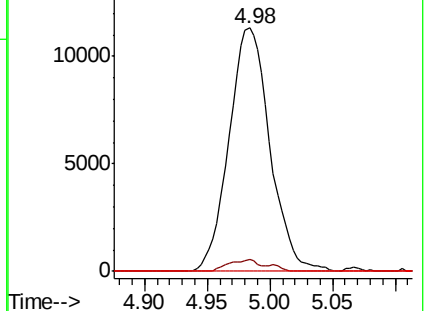
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.556 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028384.D

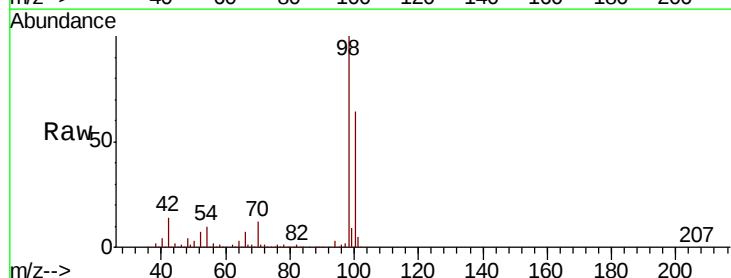
Acq: 29 Nov 2018 11:32

Tgt Ion: 98 Resp: 632464

Ion Ratio Lower Upper

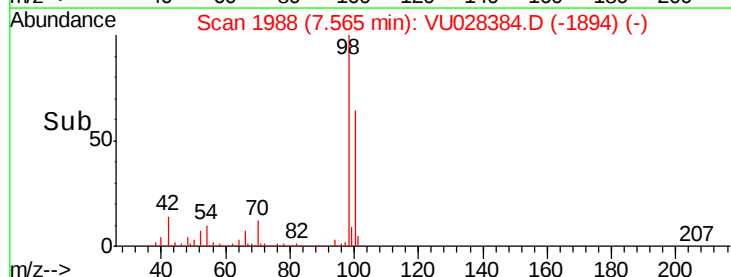
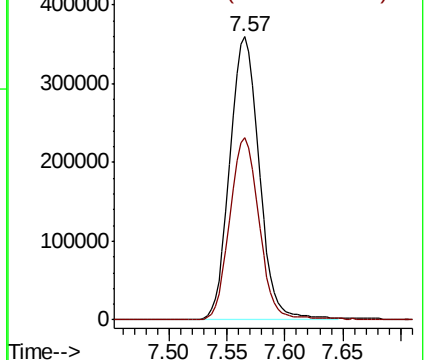
98 100

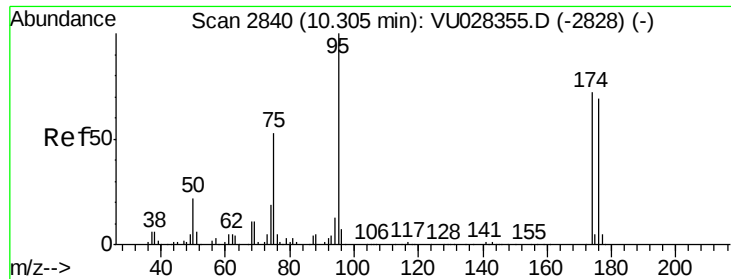
100 64.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

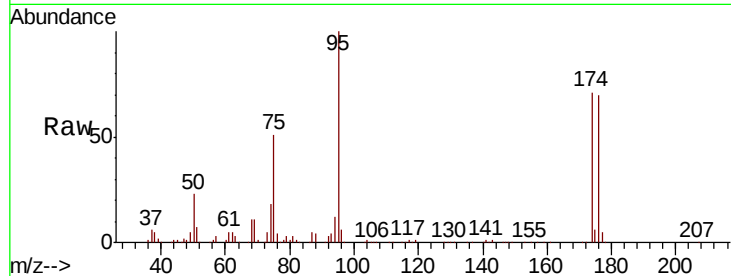




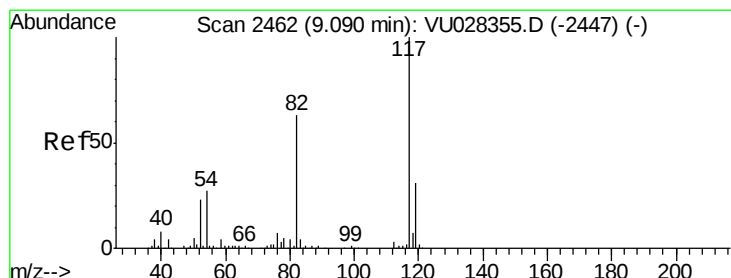
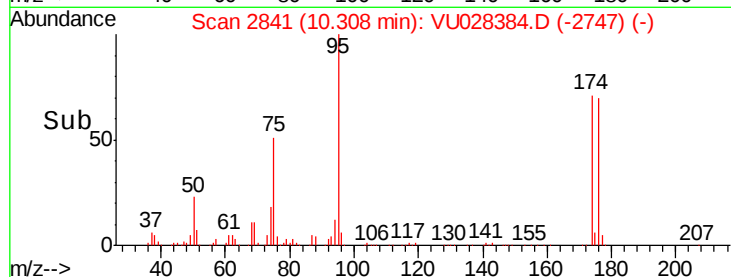
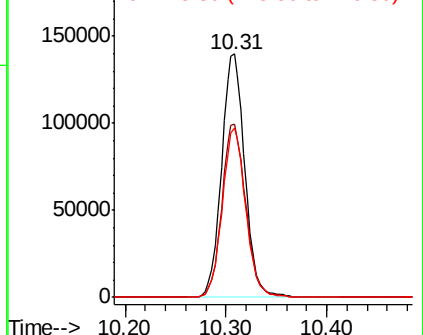
#62  
 4-Bromofluorobenzene  
 Concen: 48.880 ug/l  
 RT: 10.31 min Scan# 2841  
 Delta R.T. 0.00 min  
 Lab File: VU028384.D  
 Acq: 29 Nov 2018 11:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 73.1  | 0.0   | 145.4 |
| 176     | 70.2  | 0.0   | 140.8 |

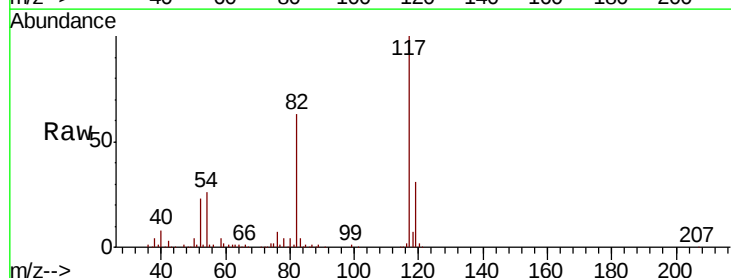


Abundance Ion 94.90 (94.60 to 95.60): VU028355.D (-2828) (-)

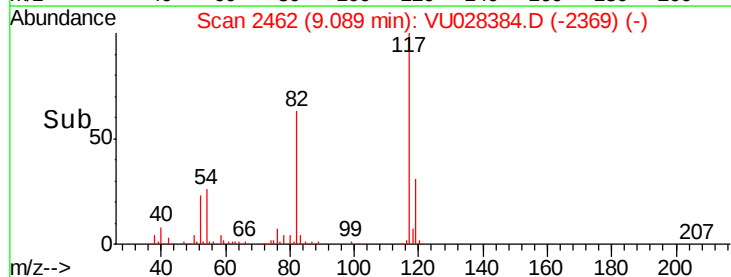
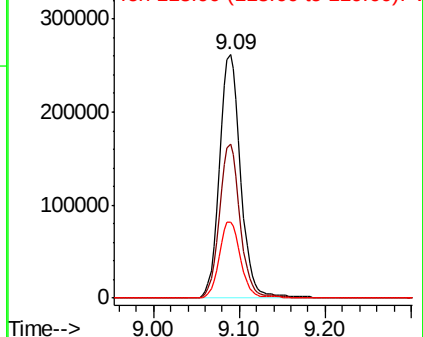


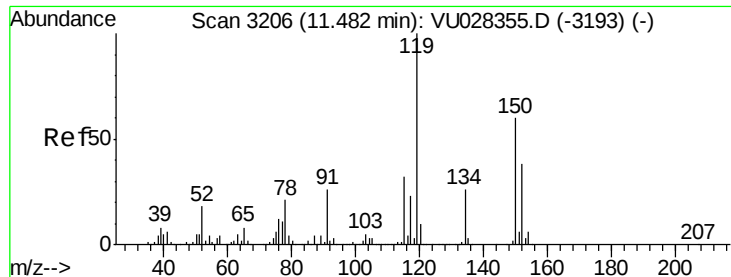
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 9.09 min Scan# 2462  
 Delta R.T. -0.00 min  
 Lab File: VU028384.D  
 Acq: 29 Nov 2018 11:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 63.3  | 50.3  | 75.5  |
| 119     | 31.3  | 24.8  | 37.2  |



Abundance Ion 116.90 (116.60 to 117.60): VU028355.D (-2447) (-)



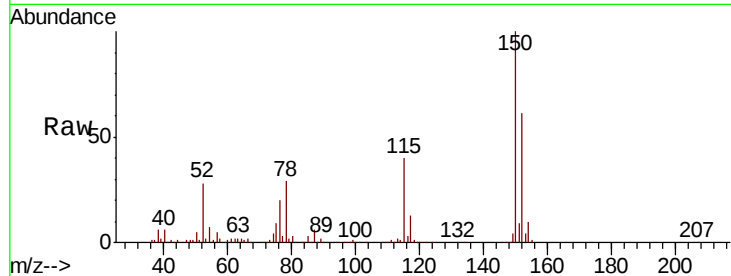


#72

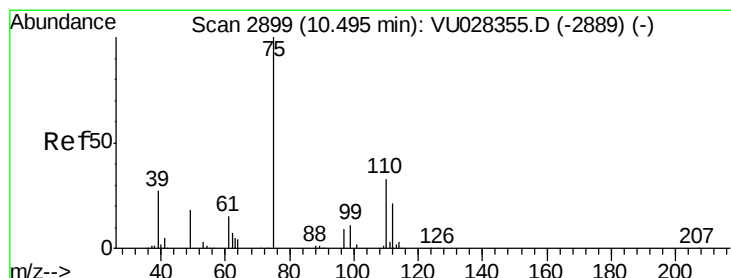
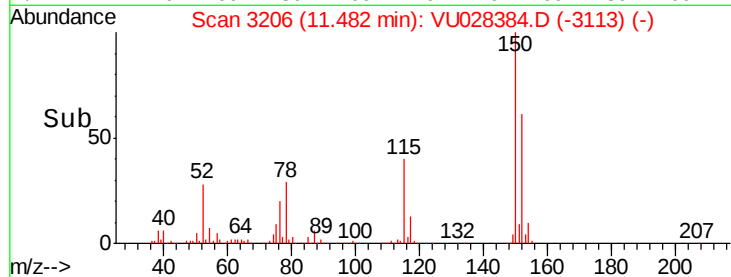
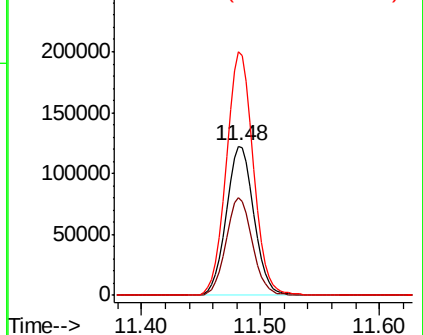
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3206  
Delta R.T. -0.00 min  
Lab File: VU028384.D  
Acq: 29 Nov 2018 11:32

Instrument :  
MSVOA\_U  
ClientSampled :  
TB

Tot Ion:152 Resp: 197415  
Ion Ratio Lower Upper  
152 100  
115 62.5 45.0 134.8  
150 159.3 0.0 349.2



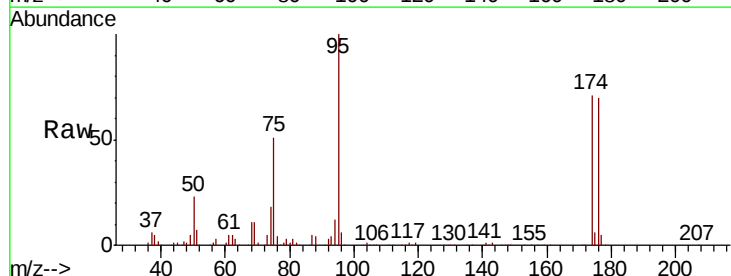
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



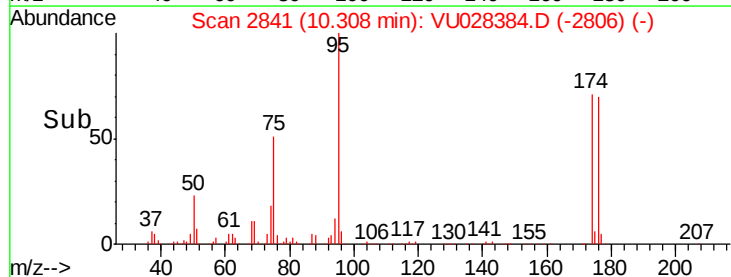
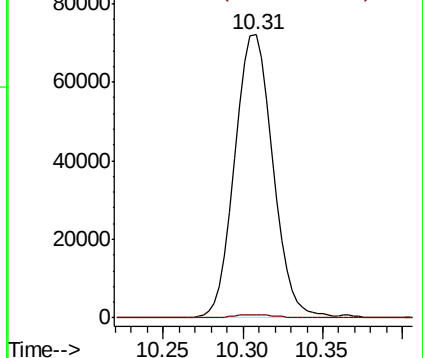
#76

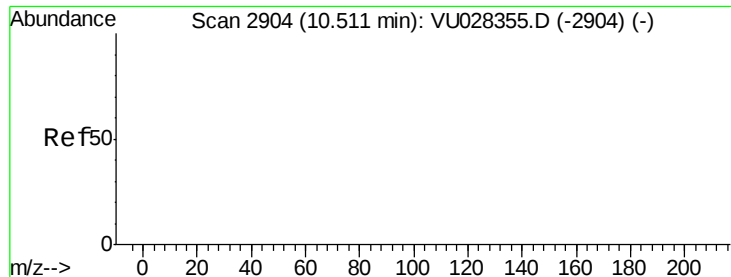
1,2,3-Trichloropropane  
Concen: 21.409 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. -0.19 min  
Lab File: VU028384.D  
Acq: 29 Nov 2018 11:32

Tgt Ion: 75 Resp: 117204  
Ion Ratio Lower Upper  
75 100  
77 1.1 22.4 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0  
Ion 77.00 (76.70 to 77.70): VU0

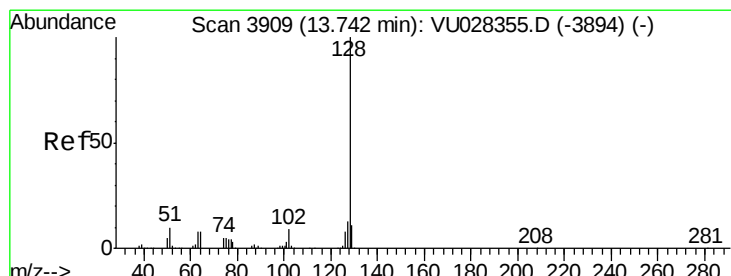
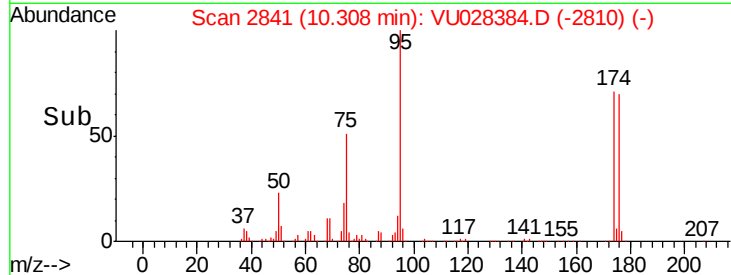
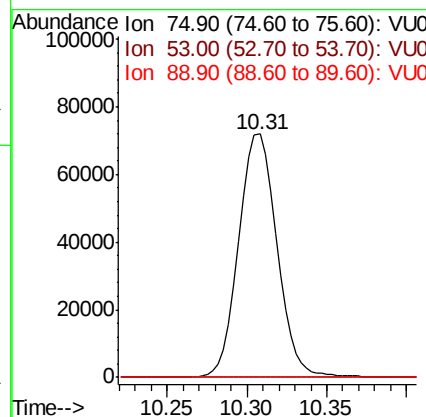
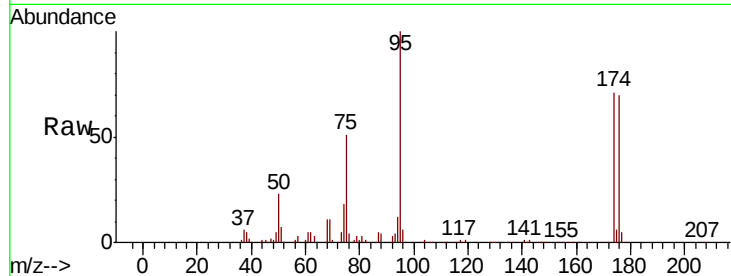




#81  
trans-1,4-Dichloro-2-butene  
Concen: 56.830 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. -0.20 min  
Lab File: VU028384.D  
Acq: 29 Nov 2018 11:32

Instrument :  
MSVOA\_U  
ClientSampled :  
TB

Tot Ion: 75 Resp: 117204  
Ion Ratio Lower Upper  
75 100  
53 0.0 0.0 0.0  
89 0.0 0.0 0.0#



#95  
Naphthalene  
Concen: 2.847 ug/l  
RT: 13.78 min Scan# 3920  
Delta R.T. 0.04 min  
Lab File: VU028384.D  
Acq: 29 Nov 2018 11:32

Tgt Ion:128 Resp: 201  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 15.8#  
129 0.0 8.6 12.8#

