

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU121518\  
 Data File : VU028693.D  
 Acq On : 14 Dec 2018 19:16  
 Operator : MD/SY  
 Sample : J6393-07  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-10B\_R1

Quant Time: Dec 17 10:01:31 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U120618W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 07 00:39:42 2018  
 Response via : Initial Calibration

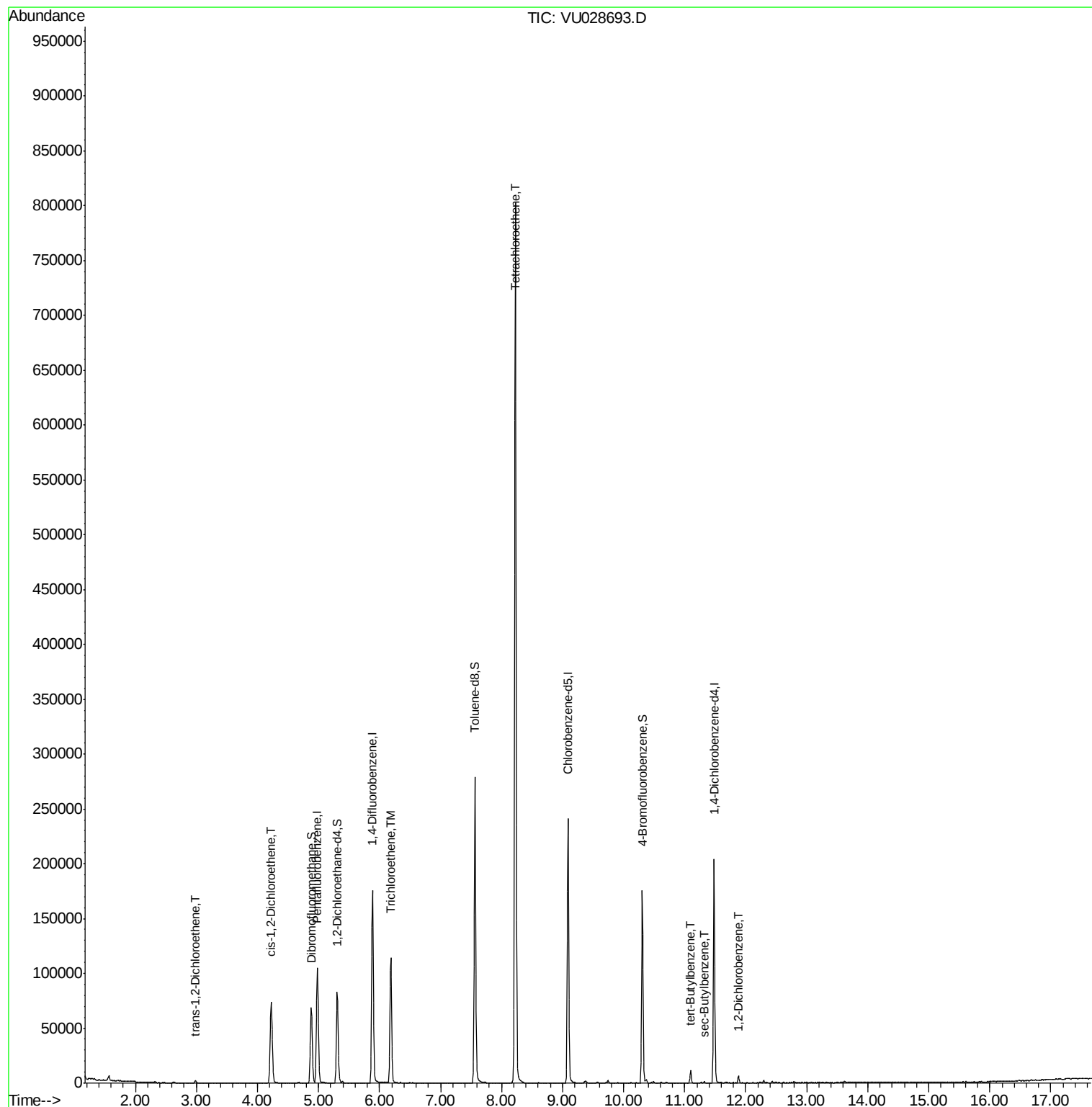
| Internal Standards           | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene        | 4.98  | 168  | 78063    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 5.89  | 114  | 139578   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 9.09  | 117  | 128080   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.48 | 152  | 49218    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds  |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4    | 5.31  | 65   | 65257    | 54.78   | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =       | 109.56% |          |
| 35) Dibromofluoromethane     | 4.88  | 113  | 48931    | 55.71   | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =       | 111.42% |          |
| 50) Toluene-d8               | 7.57  | 98   | 182602   | 52.55   | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =       | 105.10% |          |
| 62) 4-Bromofluorobenzene     | 10.31 | 95   | 58344    | 44.92   | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =       | 89.84%  |          |
| Target Compounds             |       |      |          |         |         |          |
| 21) trans-1,2-Dichloroethene | 2.98  | 96   | 808      | 0.826   | ug/l    | 95       |
| 27) cis-1,2-Dichloroethene   | 4.22  | 96   | 40204    | 36.298  | ug/l    | 90       |
| 44) Trichloroethene          | 6.18  | 130  | 37256    | 37.247  | ug/l    | 98       |
| 64) Tetrachloroethene        | 8.23  | 164  | 170444   | 199.507 | ug/l    | 98       |
| 83) tert-Butylbenzene        | 11.10 | 119  | 4785     | 1.588   | ug/l    | 83       |
| 85) sec-Butylbenzene         | 11.32 | 105  | 1211     | 0.313   | ug/l #  | 66       |
| 91) 1,2-Dichlorobenzene      | 11.88 | 146  | 2808     | 1.683   | ug/l    | 96       |

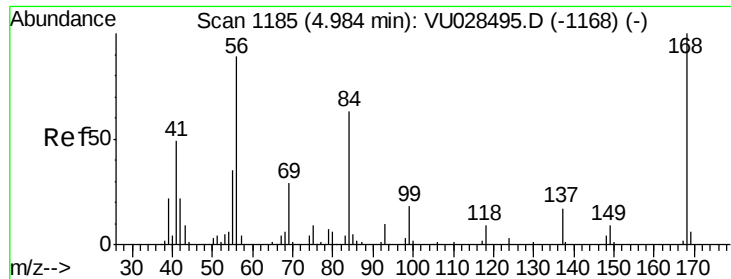
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU121518\  
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Sample : J6393-07  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10B\_R1

Quant Time: Dec 17 10:01:31 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U120618W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 07 00:39:42 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: VU028693.D

Acq: 14 Dec 2018 19:16

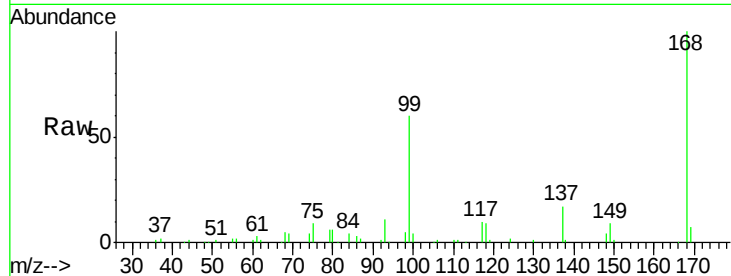
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10B\_R1

Tgt Ion: 168 Resp: 78063

Ion Ratio Lower Upper

168 100

99 60.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

30000

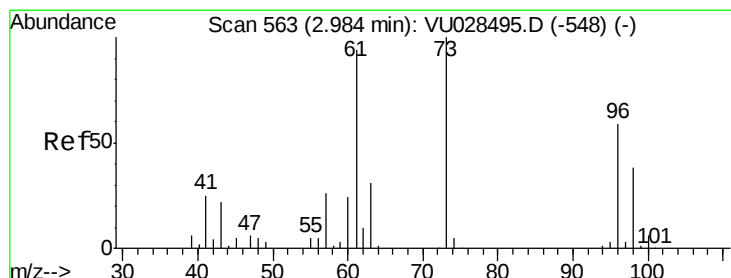
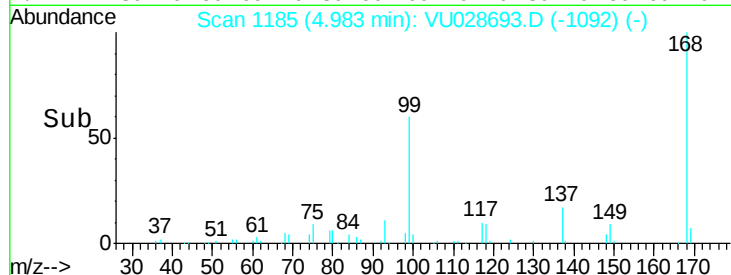
20000

10000

0

4.90 5.00 5.10

Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.826 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028693.D

Acq: 14 Dec 2018 19:16

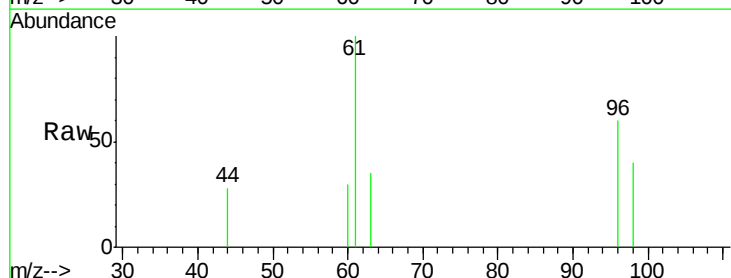
Tgt Ion: 96 Resp: 808

Ion Ratio Lower Upper

96 100

61 166.7 127.0 190.4

98 66.7 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)

2.98

1000

800

600

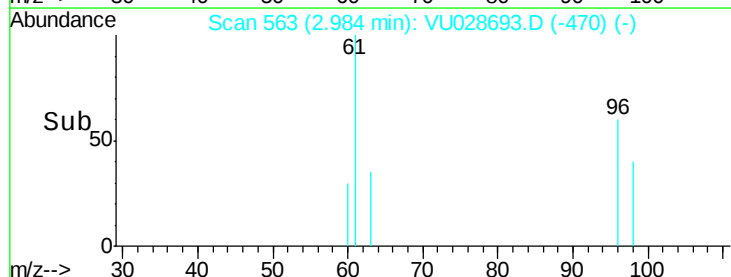
400

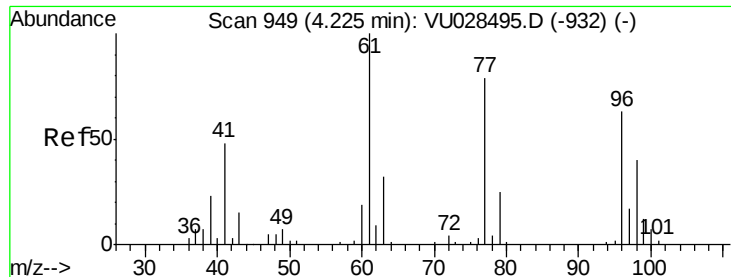
200

0

2.95 3.00

Time-->



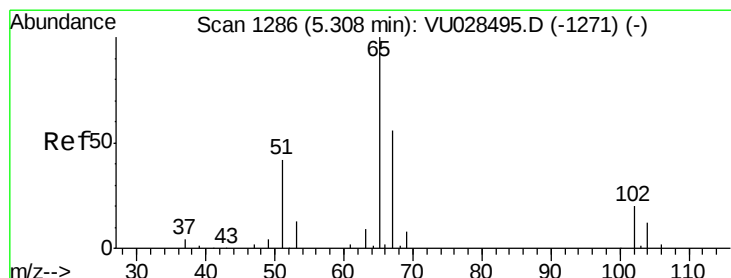
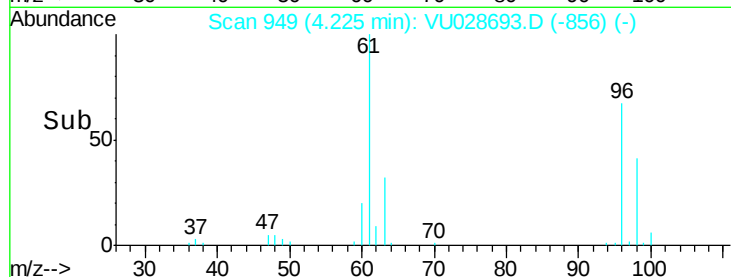
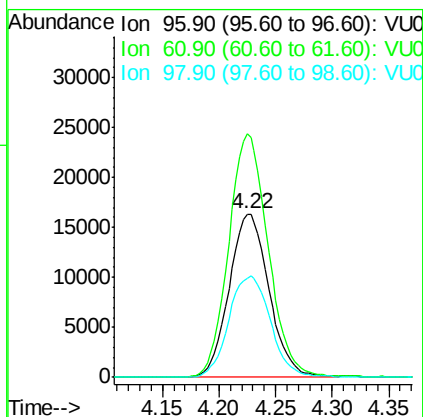
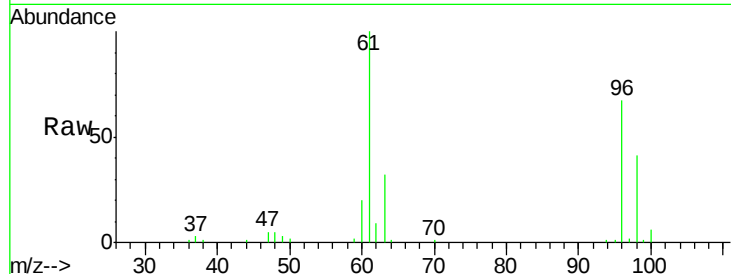


#27

cis-1,2-Dichloroethene  
 Concen: 36.298 ug/l  
 RT: 4.22 min Scan# 949  
 Delta R.T. -0.00 min  
 Lab File: VU028693.D  
 Acq: 14 Dec 2018 19:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-10B\_R1

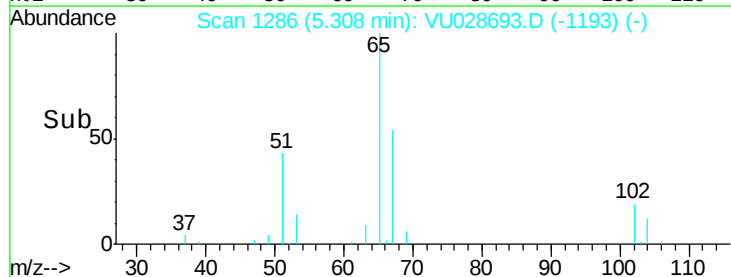
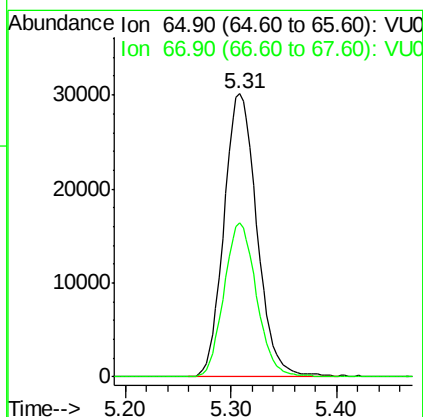
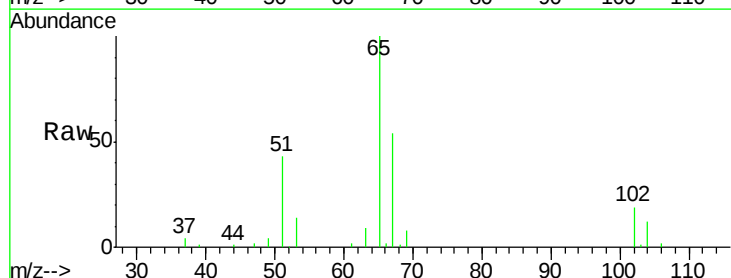
Tgt Ion: 96 Resp: 40204  
 Ion Ratio Lower Upper  
 96 100  
 61 147.5 0.0 332.4  
 98 64.6 0.0 129.0

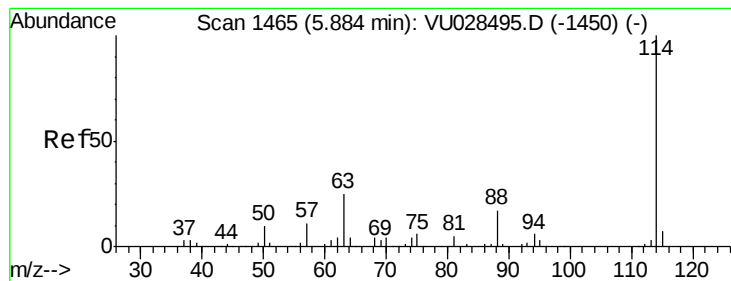


#33

1,2-Dichloroethane-d4  
 Concen: 54.778 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. -0.00 min  
 Lab File: VU028693.D  
 Acq: 14 Dec 2018 19:16

Tgt Ion: 65 Resp: 65257  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028693.D

Acq: 14 Dec 2018 19:16

Instrument :

MSVOA\_U

ClientSampleId :

MW-10B\_R1

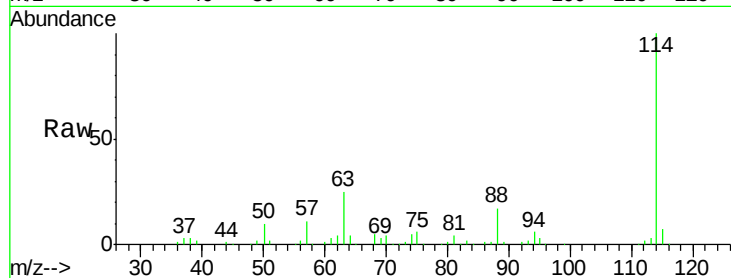
Tgt Ion:114 Resp: 139578

Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

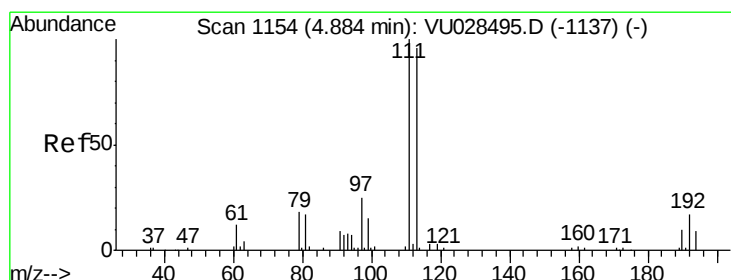
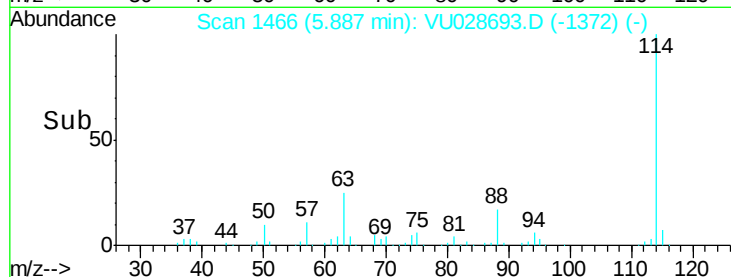
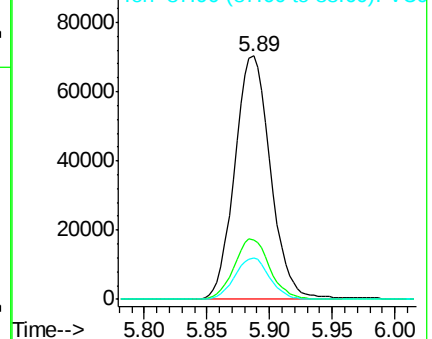
88 17.2 0.0 33.4



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: 55.706 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028693.D

Acq: 14 Dec 2018 19:16

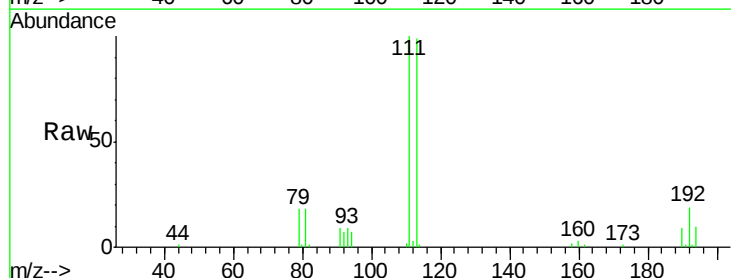
Tgt Ion:113 Resp: 48931

Ion Ratio Lower Upper

113 100

111 101.3 83.4 125.0

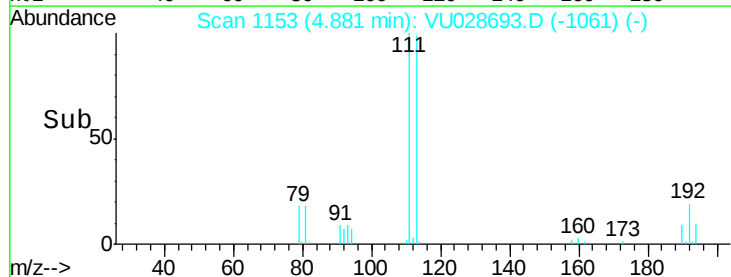
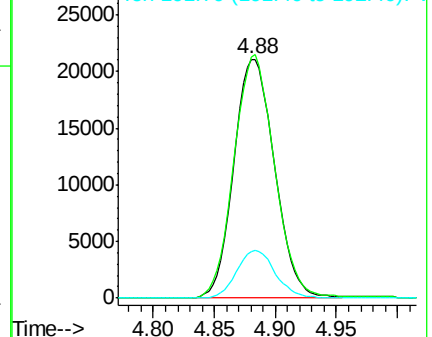
192 18.7 14.8 22.2

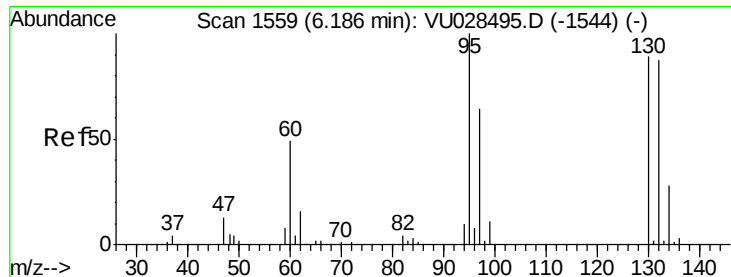


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 37.247 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028693.D

Acq: 14 Dec 2018 19:16

Instrument :

MSVOA\_U

ClientSampleId :

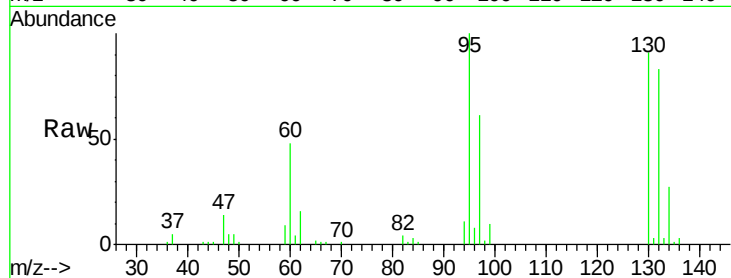
MW-10B\_R1

Tgt Ion:130 Resp: 37256

Ion Ratio Lower Upper

130 100

95 110.0 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)

6.18

25000

20000

15000

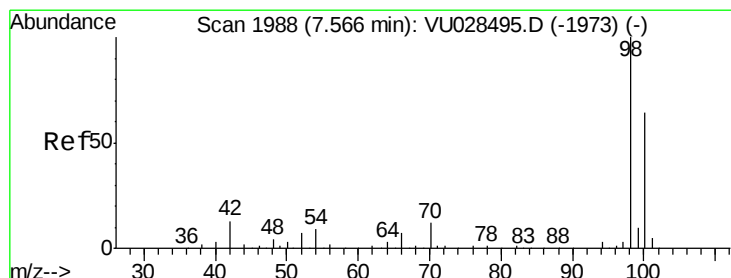
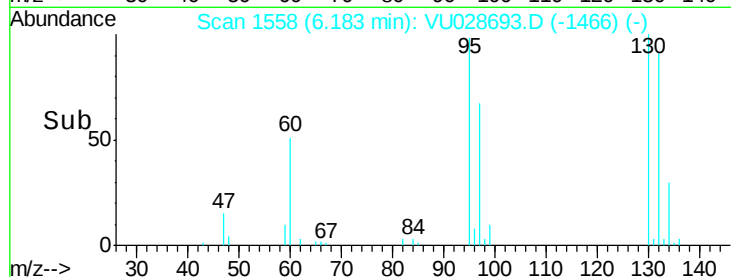
10000

5000

0

Time-->

6.10 6.15 6.20 6.25 6.30



#50

Toluene-d8

Concen: 52.552 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028693.D

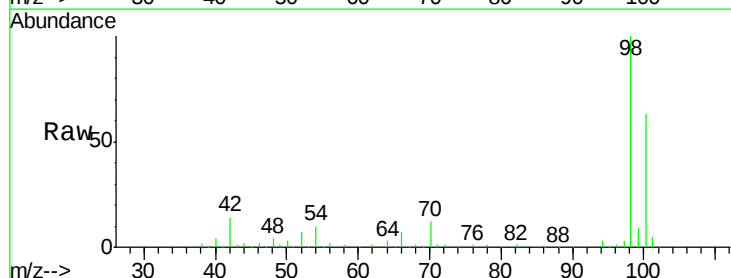
Acq: 14 Dec 2018 19:16

Tgt Ion: 98 Resp: 182602

Ion Ratio Lower Upper

98 100

100 61.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.57

120000

100000

80000

60000

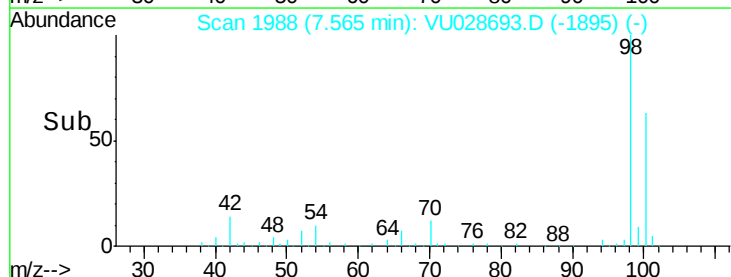
40000

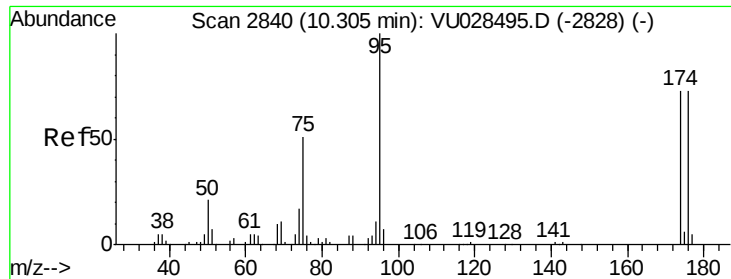
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0

Time-->

7.50 7.55 7.60 7.65 7.70

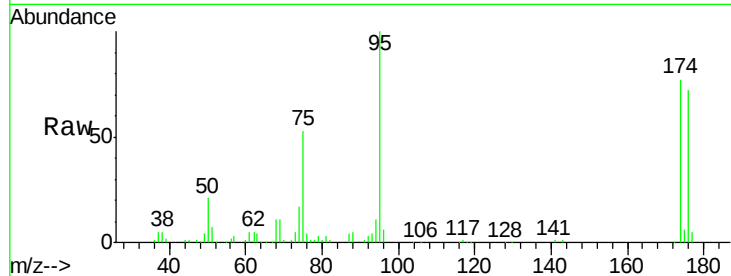




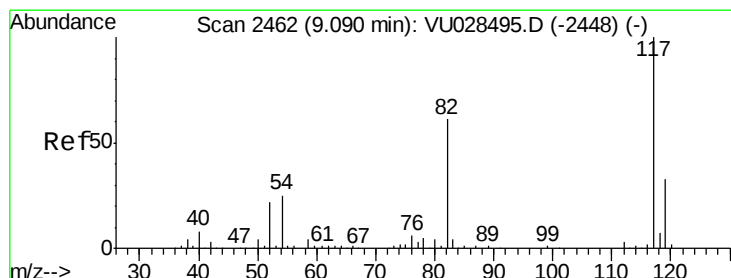
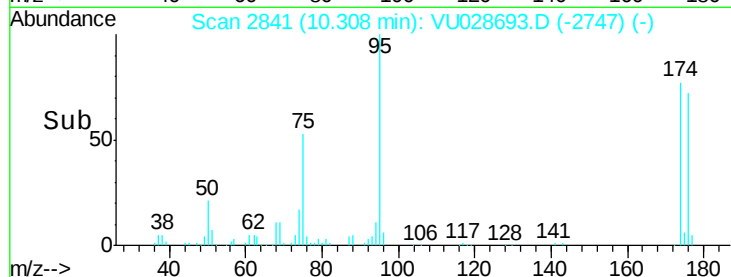
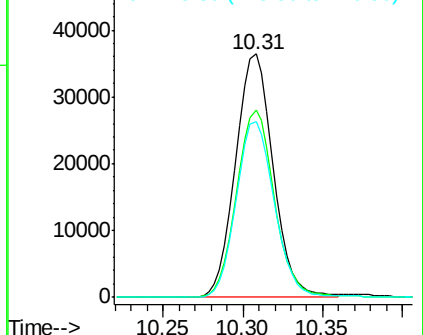
#62  
 4-Bromofluorobenzene  
 Concen: 44.924 ug/l  
 RT: 10.31 min Scan# 2841  
 Delta R.T. 0.00 min  
 Lab File: VU028693.D  
 Acq: 14 Dec 2018 19:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-10B\_R1

Tgt Ion: 95 Resp: 58344  
 Ion Ratio Lower Upper  
 95 100  
 174 77.7 0.0 150.4  
 176 73.2 0.0 145.2

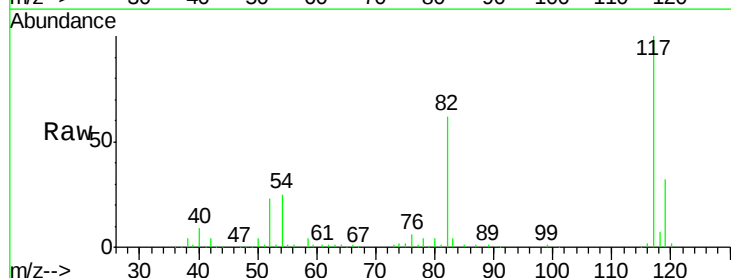


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)  
 Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)  
 Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

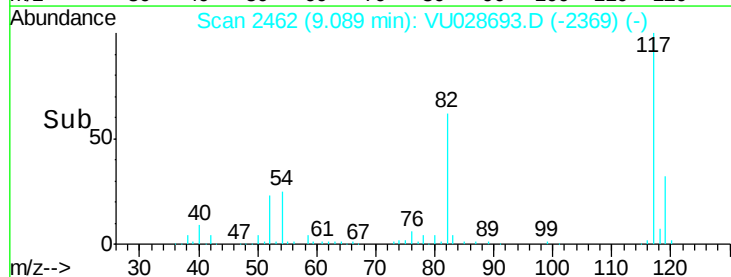
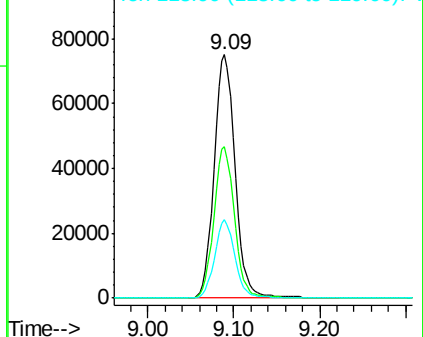


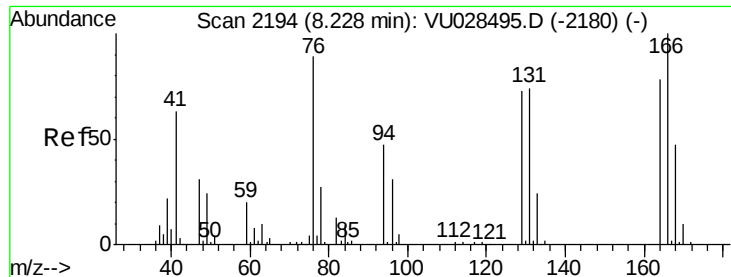
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 9.09 min Scan# 2462  
 Delta R.T. -0.00 min  
 Lab File: VU028693.D  
 Acq: 14 Dec 2018 19:16

Tgt Ion: 117 Resp: 128080  
 Ion Ratio Lower Upper  
 117 100  
 82 62.1 48.9 73.3  
 119 32.0 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)  
 Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)  
 Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)

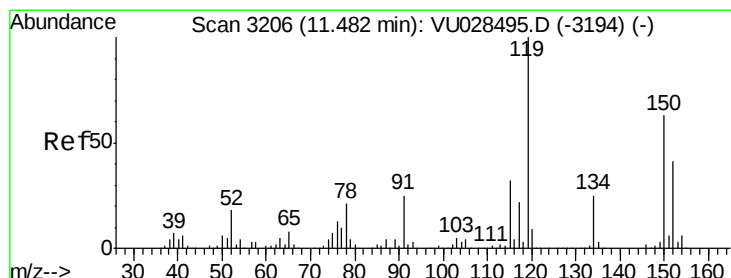
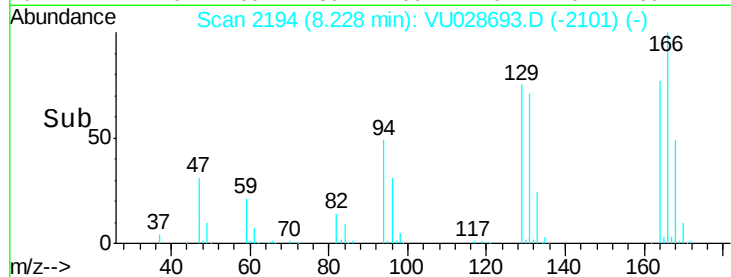
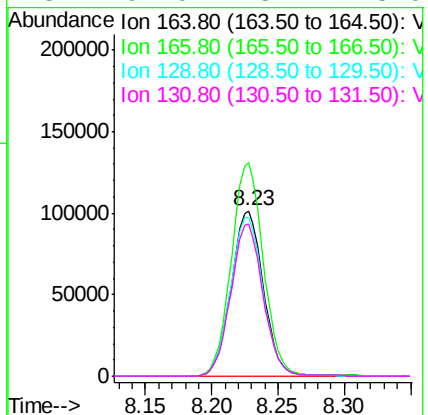
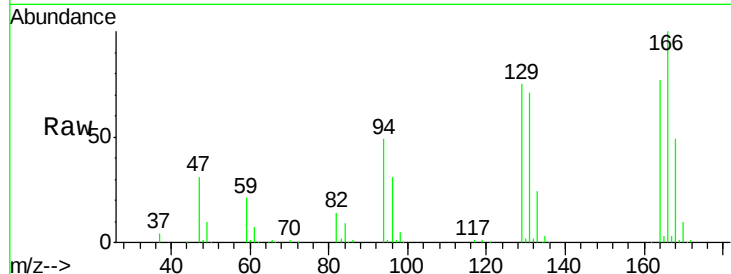




#64  
Tetrachloroethene  
Concen: 199.507 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. -0.00 min  
Lab File: VU028693.D  
Acq: 14 Dec 2018 19:16

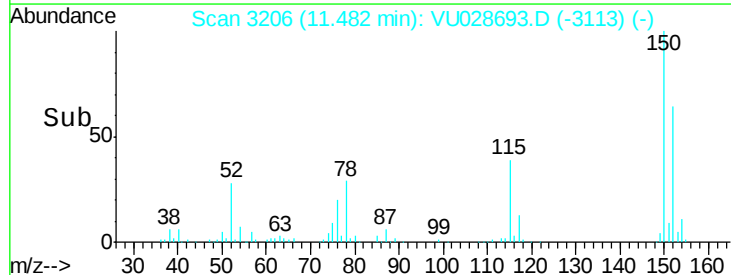
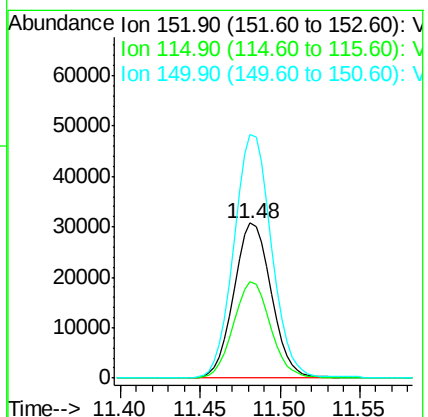
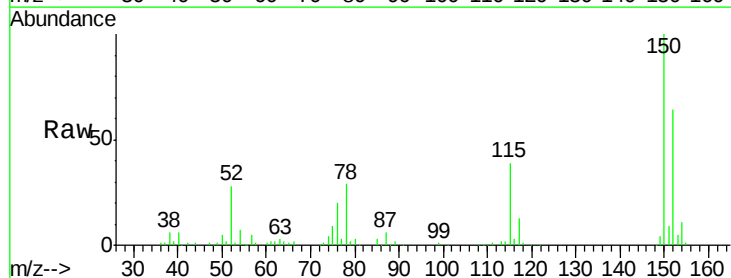
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10B\_R1

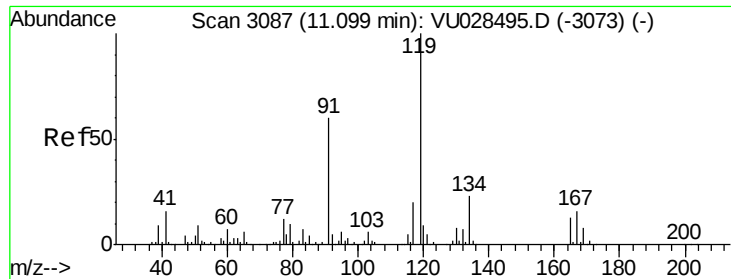
Tgt Ion:164 Resp: 170444  
Ion Ratio Lower Upper  
164 100  
166 129.2 101.9 152.9  
129 96.4 74.9 112.3  
131 92.0 75.4 113.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3206  
Delta R.T. -0.00 min  
Lab File: VU028693.D  
Acq: 14 Dec 2018 19:16

Tgt Ion:152 Resp: 49218  
Ion Ratio Lower Upper  
152 100  
115 61.4 42.7 128.1  
150 157.0 0.0 346.0

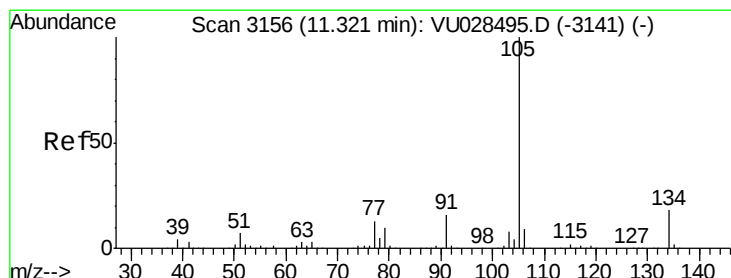
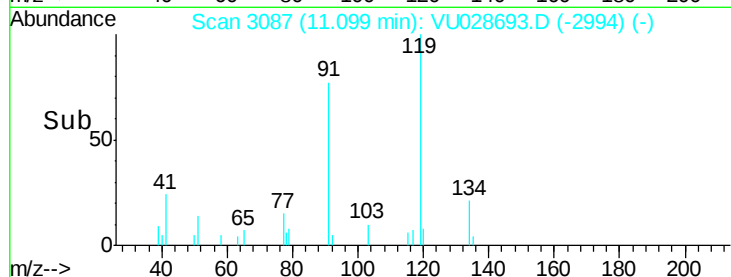
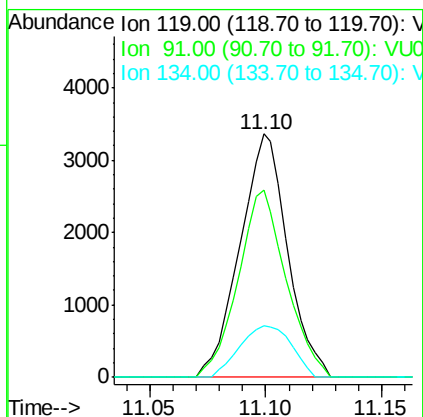
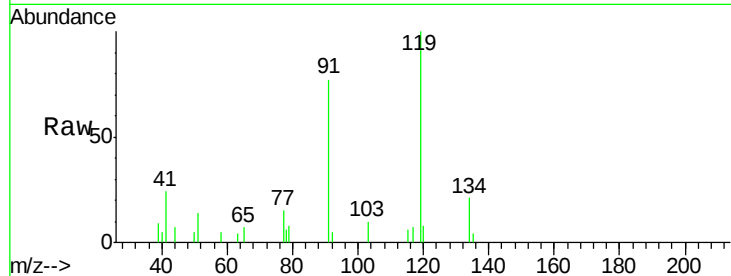




#83  
tert-Butylbenzene  
Concen: 1.588 ug/l  
RT: 11.10 min Scan# 3087  
Delta R.T. -0.00 min  
Lab File: VU028693.D  
Acq: 14 Dec 2018 19:16

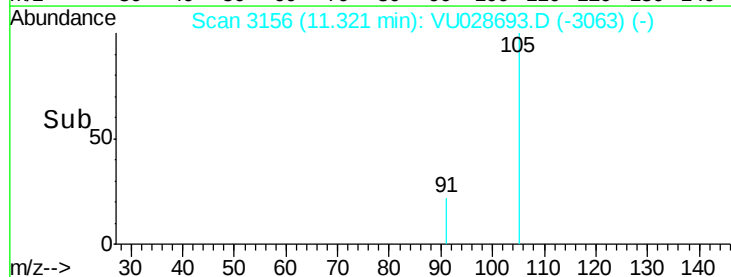
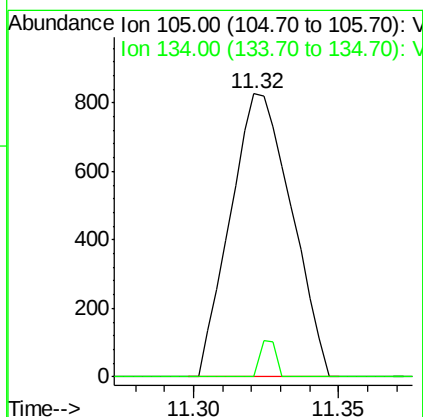
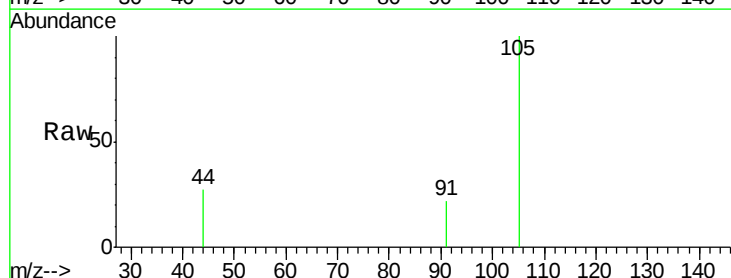
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10B\_R1

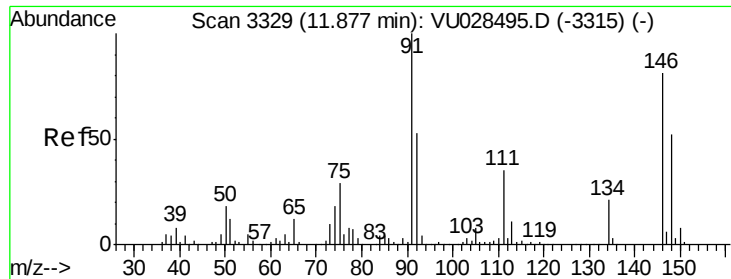
Tgt Ion:119 Resp: 4785  
Ion Ratio Lower Upper  
119 100  
91 77.5 30.3 91.0  
134 23.0 11.2 33.5



#85  
sec-Butylbenzene  
Concen: 0.313 ug/l  
RT: 11.32 min Scan# 3156  
Delta R.T. -0.00 min  
Lab File: VU028693.D  
Acq: 14 Dec 2018 19:16

Tgt Ion:105 Resp: 1211  
Ion Ratio Lower Upper  
105 100  
134 3.3 9.2 27.6#





#91  
 1,2-Dichlorobenzene  
 Concen: 1.683 ug/l  
 RT: 11.88 min Scan# 3330  
 Delta R.T. 0.00 min  
 Lab File: VU028693.D  
 Acq: 14 Dec 2018 19:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-10B\_R1

Tgt Ion:146 Resp: 2808  
 Ion Ratio Lower Upper  
 146 100  
 111 43.8 21.1 63.4  
 148 59.3 31.4 94.2

