

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\  
 Data File : VU028720.D  
 Acq On : 17 Dec 2018 15:06  
 Operator : MD/SY  
 Sample : J6393-06DL 4X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 18 03:08:19 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

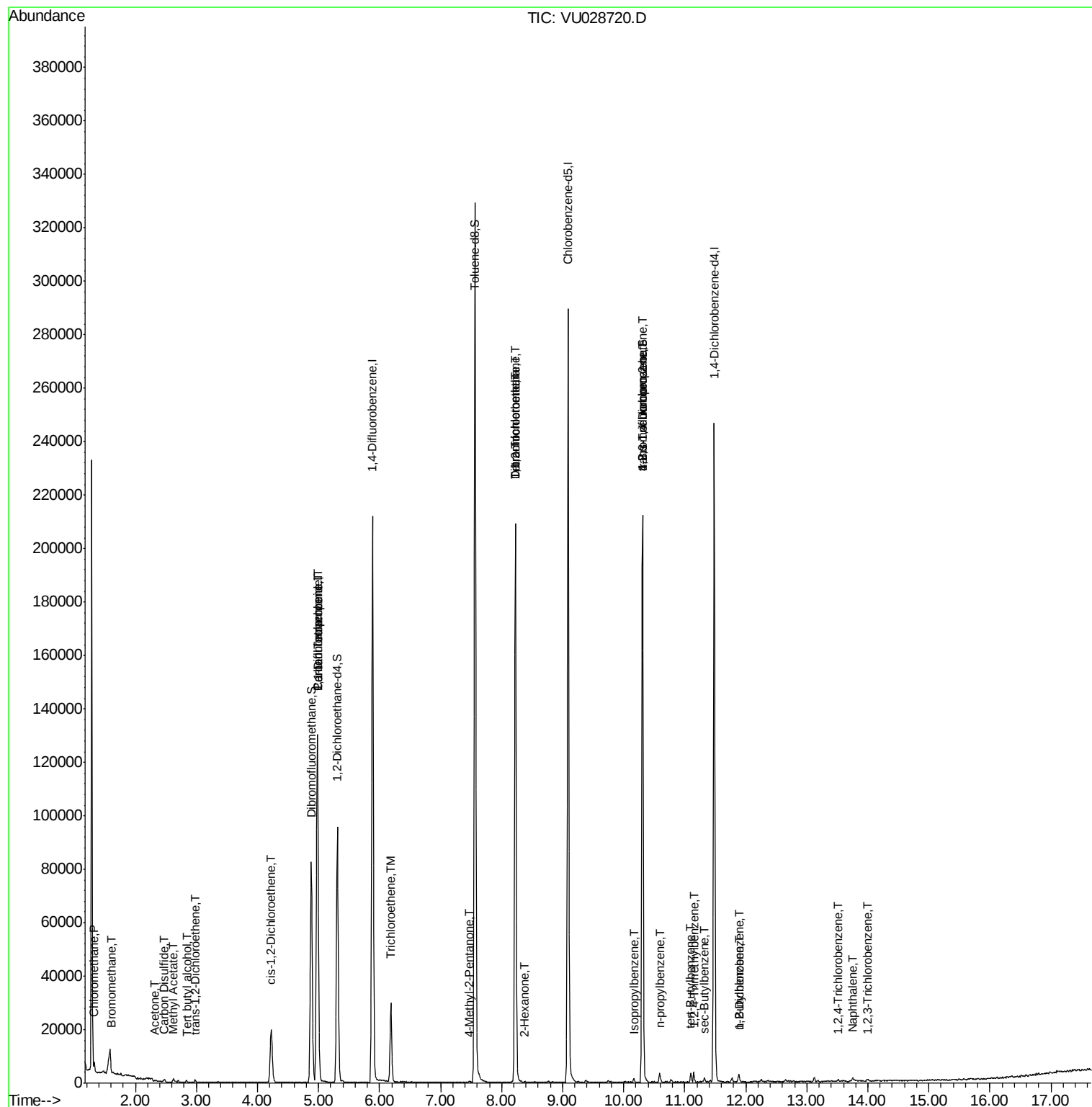
| Internal Standards             | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 4.98   | 168  | 98949    | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 5.88   | 114  | 171511   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 9.09   | 117  | 154900   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 11.48  | 152  | 61512    | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 5.31   | 65   | 72341    | 47.91     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 95.82%  |          |
| 35) Dibromofluoromethane       | 4.88   | 113  | 57561    | 53.33     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 106.66% |          |
| 50) Toluene-d8                 | 7.56   | 98   | 221415   | 51.86     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 103.72% |          |
| 62) 4-Bromofluorobenzene       | 10.31  | 95   | 73323    | 45.95     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 91.90%  |          |
| Target Compounds               |        |      |          |           |         |          |
|                                |        |      |          |           | Qvalue  |          |
| 3) Chloromethane               | 1.33   | 50   | 2812     | 1.153     | ug/l    | 96       |
| 5) Bromomethane                | 1.62   | 94   | 360      | 0.508     | ug/l #  | 77       |
| 11) Tert butyl alcohol         | 2.85   | 59   | 213      | 0.633     | ug/l #  | 73       |
| 16) Acetone                    | 2.32   | 43   | 415      | 0.421     | ug/l #  | 44       |
| 17) Carbon Disulfide           | 2.48   | 76   | 1399     | 0.352     | ug/l #  | 75       |
| 18) Methyl Acetate             | 2.62   | 43   | 1657     | 0.649     | ug/l #  | 82       |
| 21) trans-1,2-Dichloroethene   | 2.98   | 96   | 275      | 0.222     | ug/l    | 96       |
| 27) cis-1,2-Dichloroethene     | 4.22   | 96   | 11018    | 7.848     | ug/l    | 90       |
| 31) Cyclohexane                | 4.98   | 56   | 2202     | Below Cal | #       | 1        |
| 36) 1,1-Dichloropropene        | 4.98   | 75   | 8373     | 4.461     | ug/l #  | 50       |
| 38) Carbon Tetrachloride       | 4.98   | 117  | 9849     | 6.511     | ug/l #  | 16       |
| 44) Trichloroethene            | 6.19   | 130  | 10148    | 8.257     | ug/l    | 96       |
| 51) 4-Methyl-2-Pentanone       | 7.46   | 43   | 576      | 0.238     | ug/l #  | 37       |
| 55) 1,1,2-Trichloroethane      | 8.22   | 97   | 324      | 0.252     | ug/l #  | 1        |
| 59) 2-Hexanone                 | 8.38   | 43   | 463      | 0.241     | ug/l #  | 45       |
| 60) Dibromochloromethane       | 8.22   | 129  | 44242    | 35.140    | ug/l #  | 10       |
| 64) Tetrachloroethene          | 8.23   | 164  | 45895    | 44.419    | ug/l    | 100      |
| 73) Isopropylbenzene           | 10.17  | 105  | 1174     | 0.249     | ug/l    | 80       |
| 76) 1,2,3-Trichloropropane     | 10.30  | 75   | 36356    | 23.146    | ug/l #  | 35       |
| 78) n-propylbenzene            | 10.59  | 91   | 3626     | 0.618     | ug/l    | 91       |
| 81) trans-1,4-Dichloro-2-buten | 10.30  | 75   | 36356    | 56.836    | ug/l #  | 100      |
| 83) tert-Butylbenzene          | 11.10  | 119  | 1809     | 0.480     | ug/l    | 96       |
| 84) 1,2,4-Trimethylbenzene     | 11.14  | 105  | 2534     | 0.629     | ug/l    | 99       |
| 85) sec-Butylbenzene           | 11.32  | 105  | 1485     | 0.307     | ug/l    | 93       |
| 89) n-Butylbenzene             | 11.89  | 91   | 950      | 0.228     | ug/l    | 82       |
| 91) 1,2-Dichlorobenzene        | 11.89  | 146  | 1067     | 0.512     | ug/l    | 91       |
| 93) 1,2,4-Trichlorobenzene     | 13.51  | 180  | 456      | 1.156     | ug/l #  | 88       |
| 95) Naphthalene                | 13.75  | 128  | 2438     | 0.487     | ug/l #  | 75       |
| 96) 1,2,3-Trichlorobenzene     | 13.99  | 180  | 616      | 0.577     | ug/l #  | 80       |

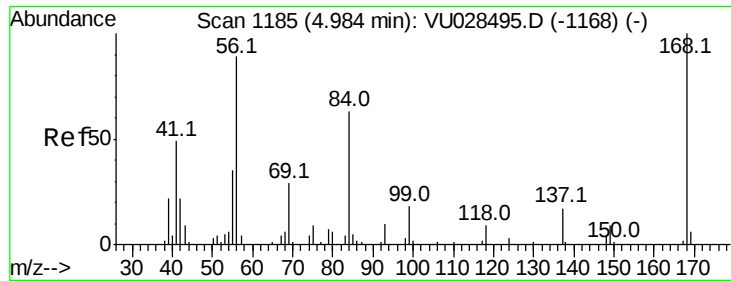
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121718\  
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Sample : J6393-06DL 4X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
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Quant Time: Dec 18 03:08:19 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: VU028720.D

Acq: 17 Dec 2018 15:06

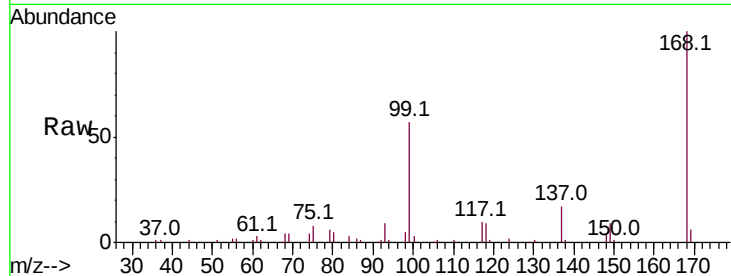
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion:168 Resp: 98949

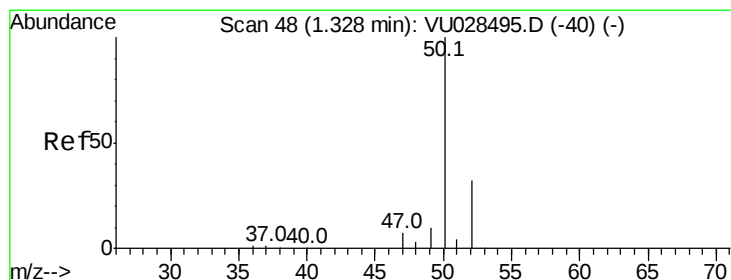
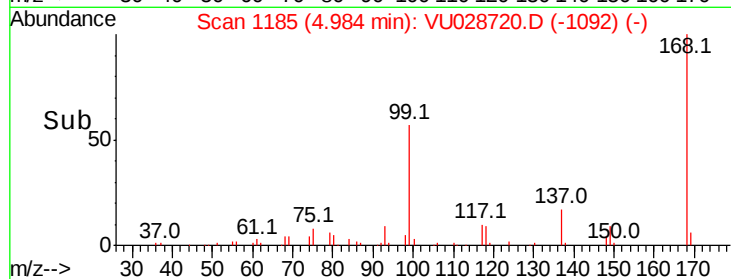
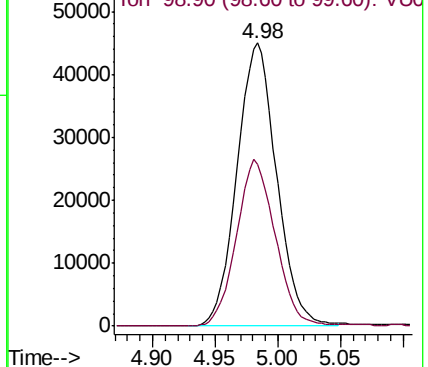
Ion Ratio Lower Upper

168 100

99 57.1 46.6 69.8



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



#3

Chloromethane

Concen: 1.153 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028720.D

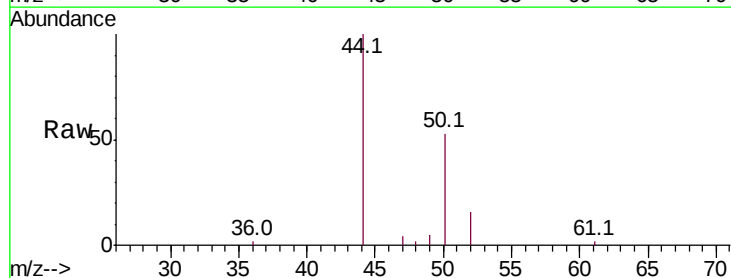
Acq: 17 Dec 2018 15:06

Tgt Ion: 50 Resp: 2812

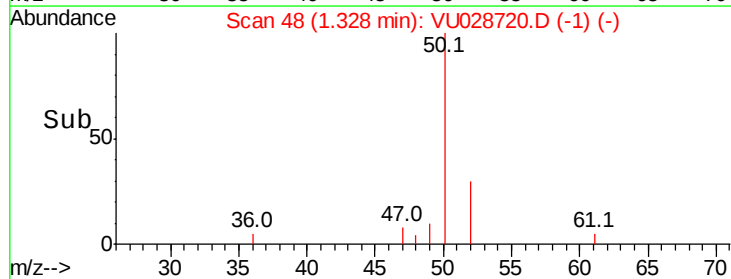
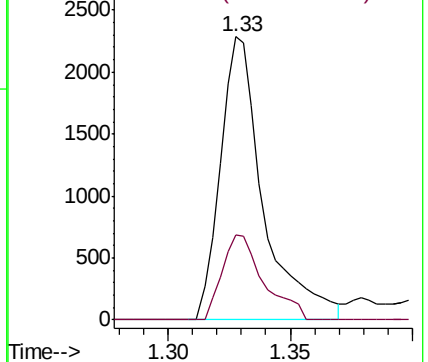
Ion Ratio Lower Upper

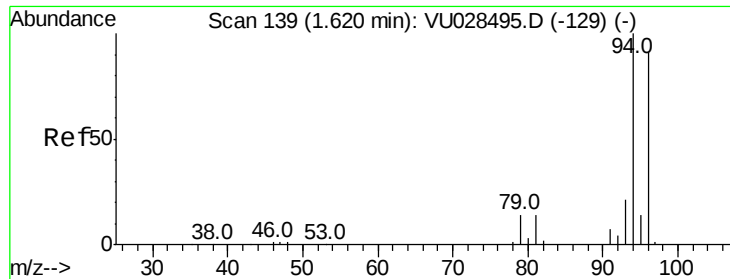
50 100

52 29.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

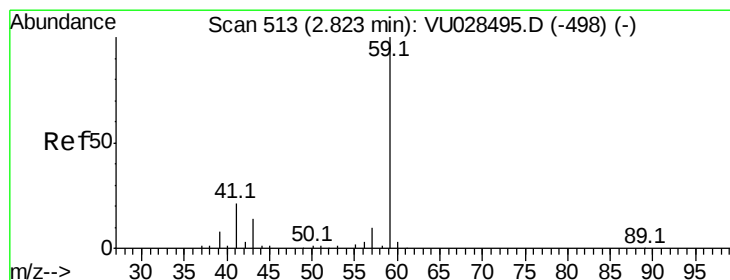
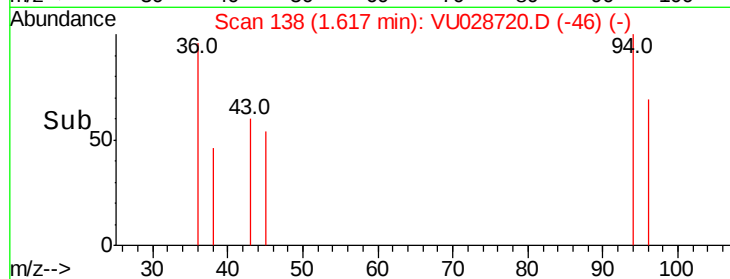
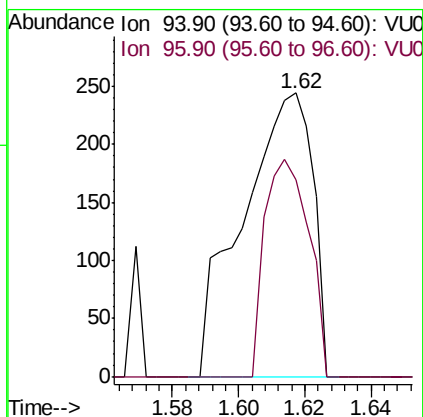
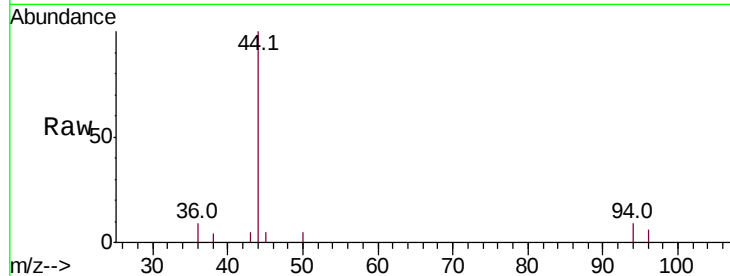




#5  
Bromomethane  
Concen: 0.508 ug/l  
RT: 1.62 min Scan# 138  
Delta R.T. -0.00 min  
Lab File: VU028720.D  
Acq: 17 Dec 2018 15:06

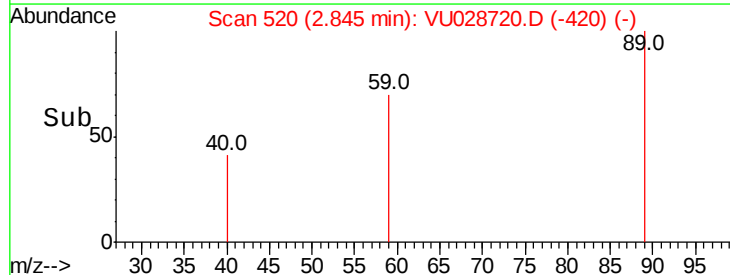
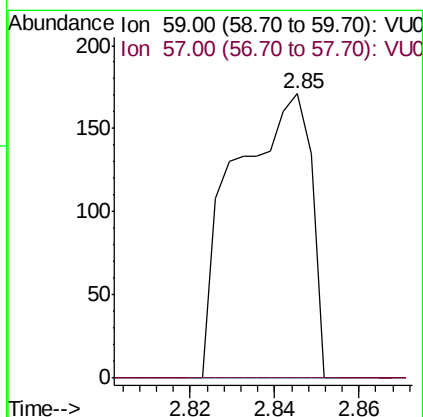
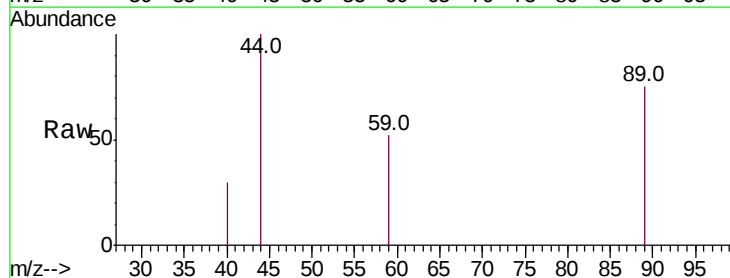
Instrument :  
MSVOA\_U  
ClientSampleId :

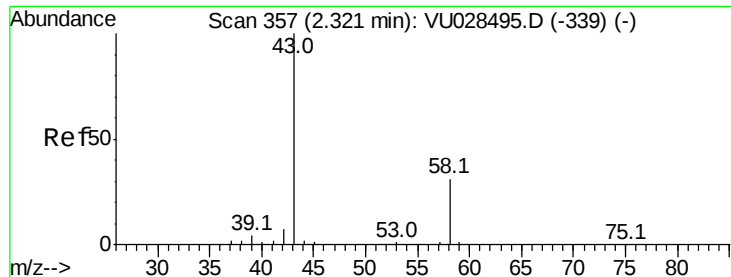
Tot Ion: 94 Resp: 360  
Ion Ratio Lower Upper  
94 100  
96 69.3 73.2 109.8#



#11  
Tert butyl alcohol  
Concen: 0.633 ug/l  
RT: 2.85 min Scan# 520  
Delta R.T. 0.02 min  
Lab File: VU028720.D  
Acq: 17 Dec 2018 15:06

Tgt Ion: 59 Resp: 213  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#





#16

Acetone

Concen: 0.421 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028720.D

Acq: 17 Dec 2018 15:06

Instrument :

MSVOA\_U

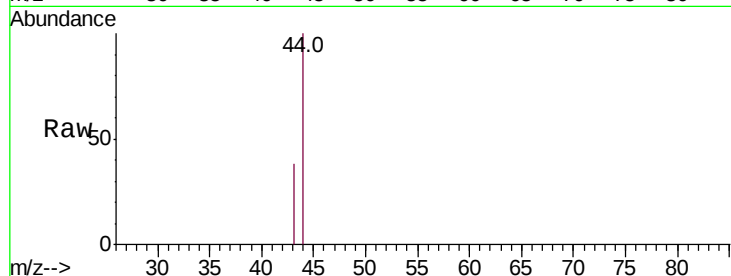
ClientSampleId :

Tot Ion: 43 Resp: 415

Ion Ratio Lower Upper

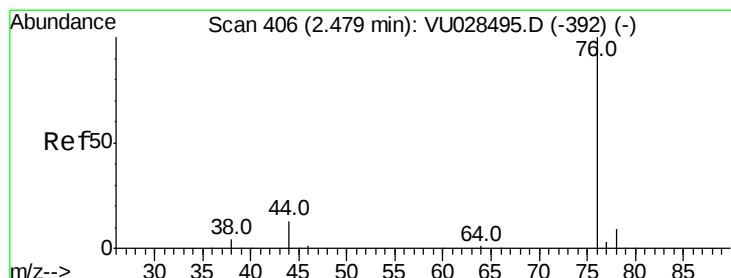
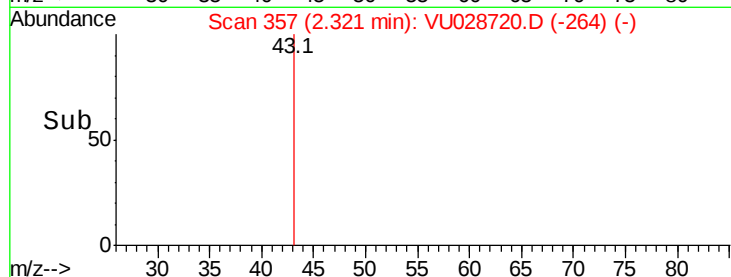
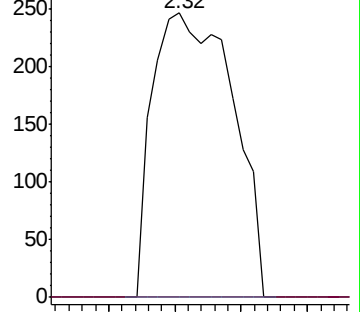
43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.352 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028720.D

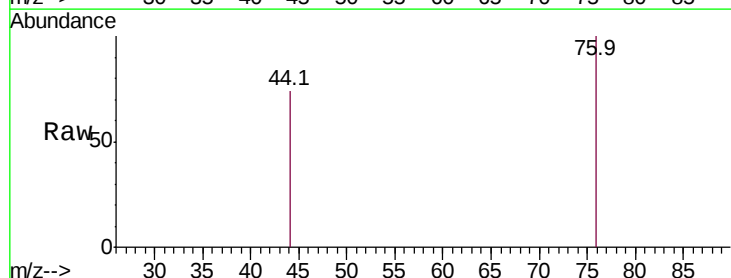
Acq: 17 Dec 2018 15:06

Tgt Ion: 76 Resp: 1399

Ion Ratio Lower Upper

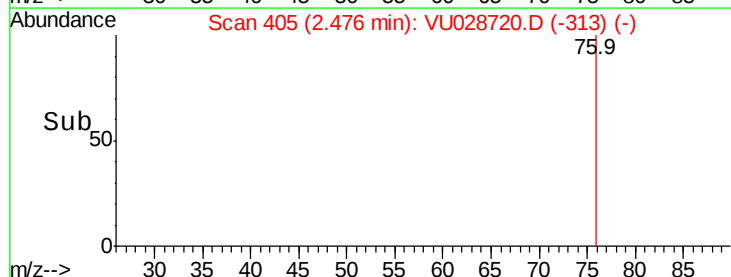
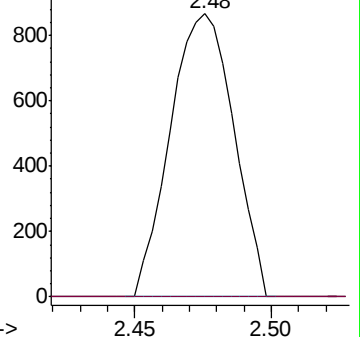
76 100

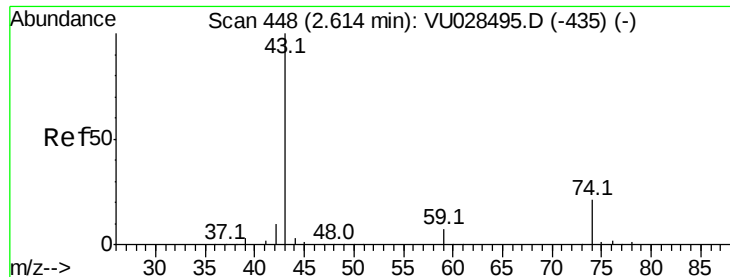
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

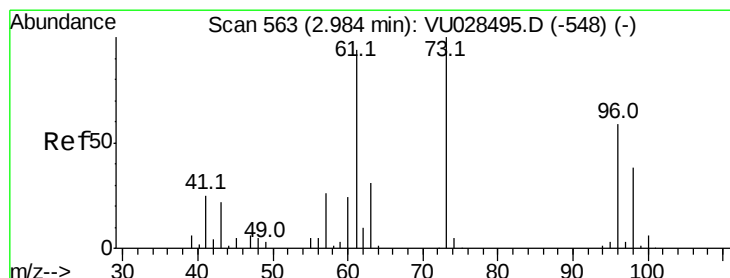
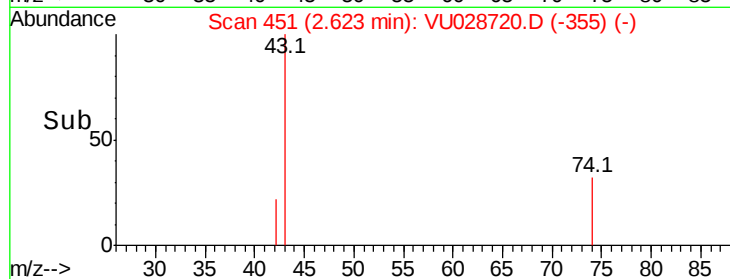
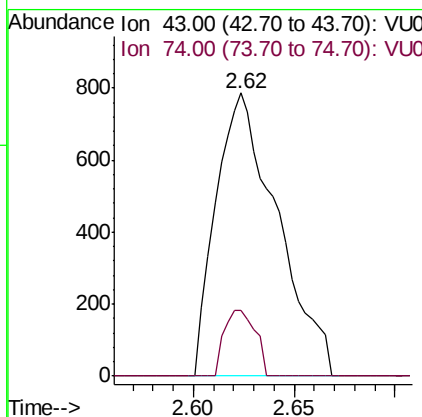
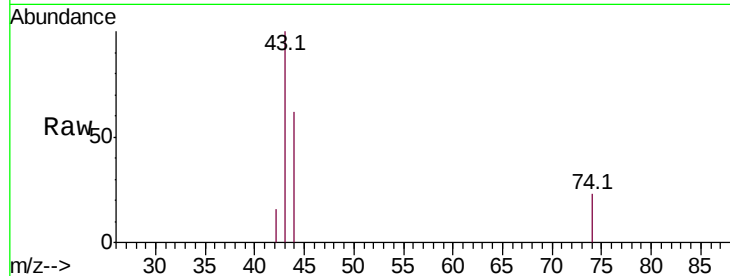




#18  
Methvl Acetate  
Concen: 0.649 ug/l  
RT: 2.62 min Scan# 451  
Delta R.T. 0.01 min  
Lab File: VU028720.D  
Acq: 17 Dec 2018 15:06

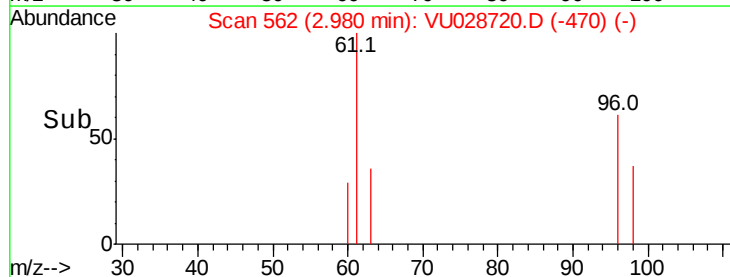
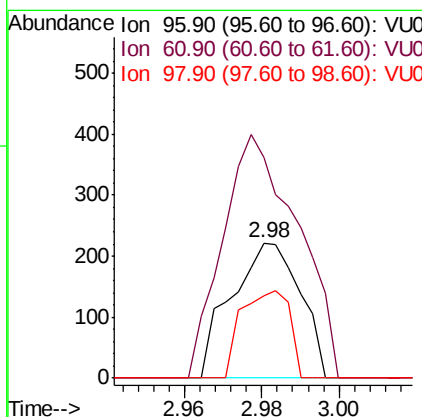
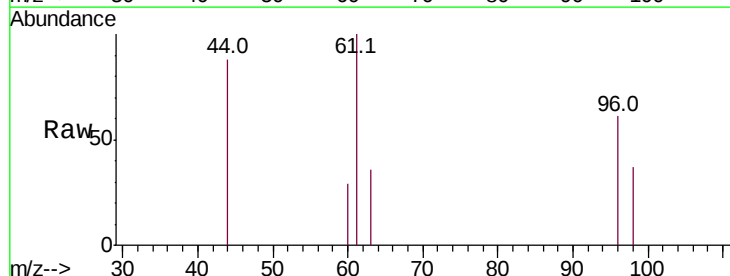
Instrument :  
MSVOA\_U  
ClientSampleId :

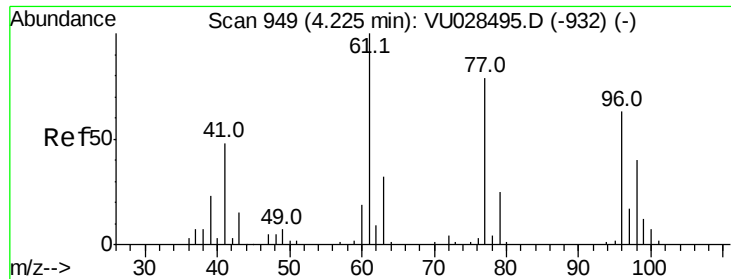
Tot Ion: 43 Resp: 1657  
Ion Ratio Lower Upper  
43 100  
74 11.9 16.4 24.6#



#21  
trans-1,2-Dichloroethene  
Concen: 0.222 ug/l  
RT: 2.98 min Scan# 562  
Delta R.T. -0.00 min  
Lab File: VU028720.D  
Acq: 17 Dec 2018 15:06

Tgt Ion: 96 Resp: 275  
Ion Ratio Lower Upper  
96 100  
61 163.1 127.0 190.4  
98 60.8 51.9 77.9



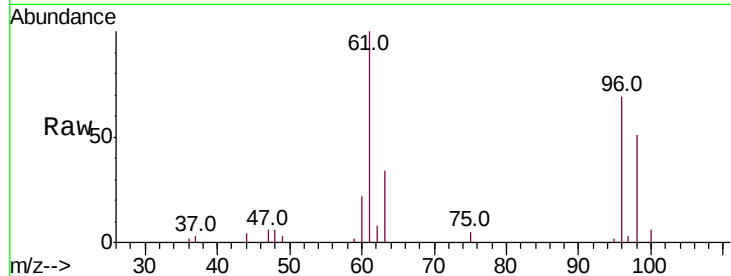


#27

cis-1,2-Dichloroethene  
Concen: 7.848 ug/l  
RT: 4.22 min Scan# 949  
Delta R.T. -0.00 min  
Lab File: VU028720.D  
Acq: 17 Dec 2018 15:06

Instrument :  
MSVOA\_U  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.2 | 0.0   | 332.4 |
| 98      | 64.0  | 0.0   | 129.0 |

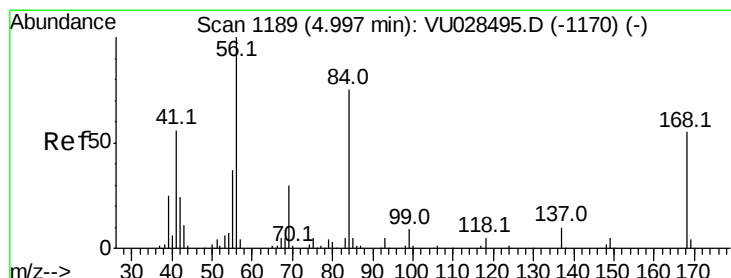
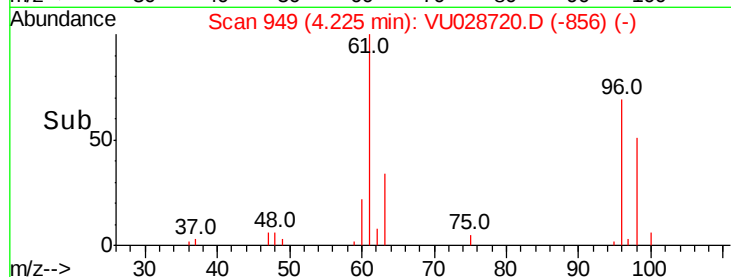
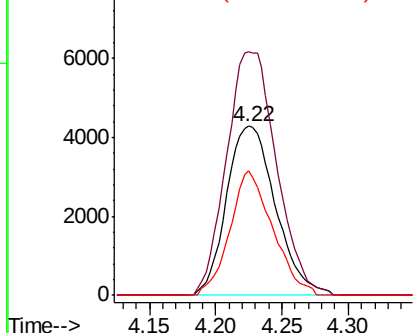


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

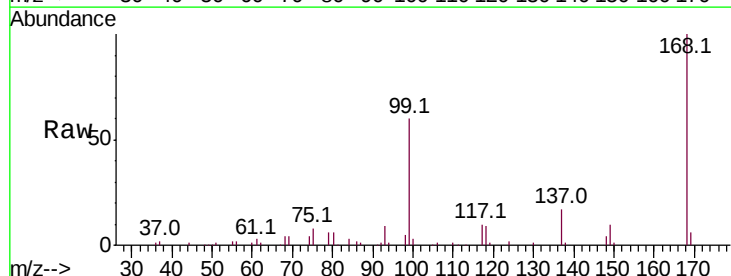
Ion 97.90 (97.60 to 98.60): VU0



#31

Cyclohexane  
Concen: Below Cal  
RT: 4.98 min Scan# 1184  
Delta R.T. -0.02 min  
Lab File: VU028720.D  
Acq: 17 Dec 2018 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 158.8 | 24.0  | 36.0# |
| 84      | 139.7 | 59.7  | 89.5# |

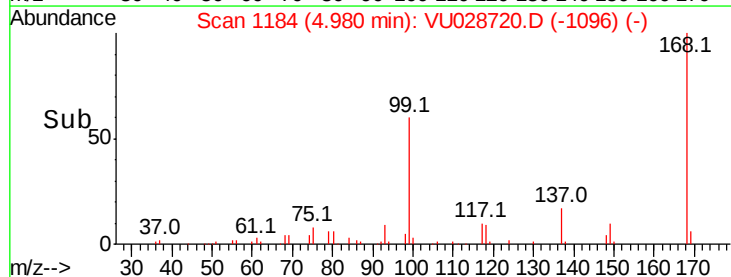
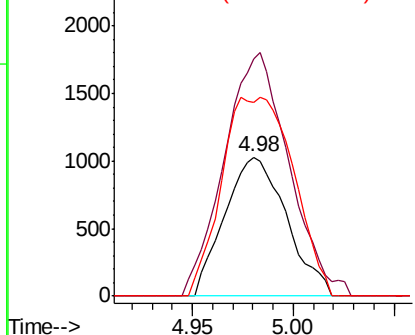


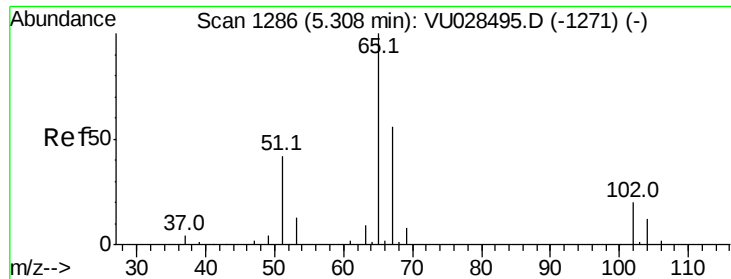
Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

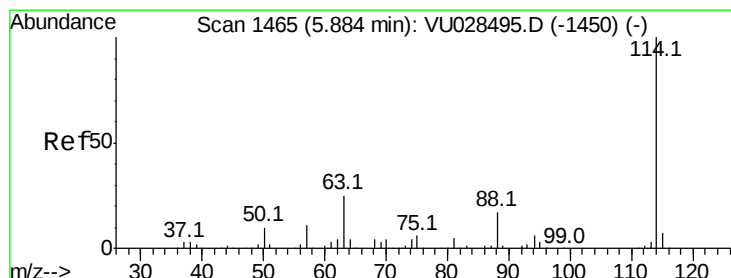
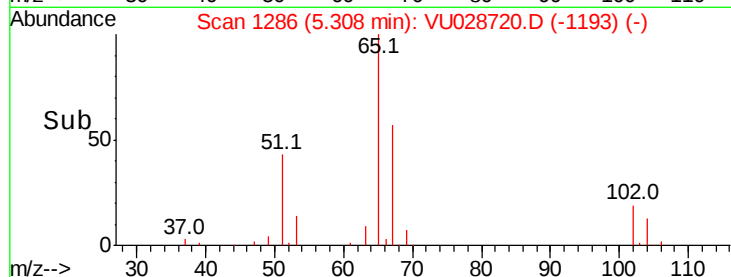
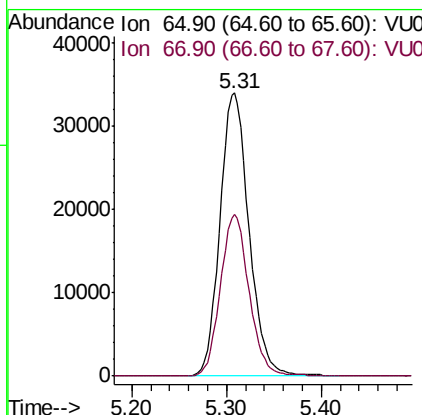
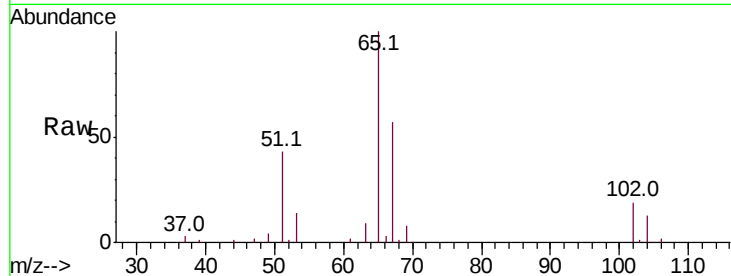




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.907 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. -0.00 min  
 Lab File: VU028720.D  
 Acq: 17 Dec 2018 15:06

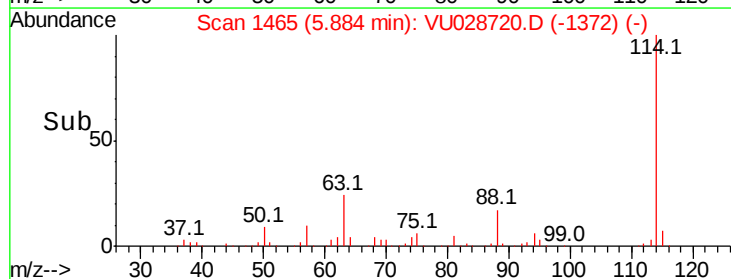
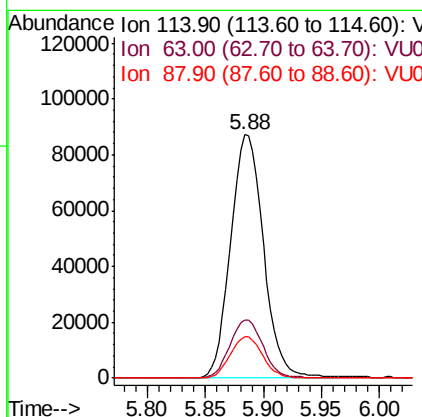
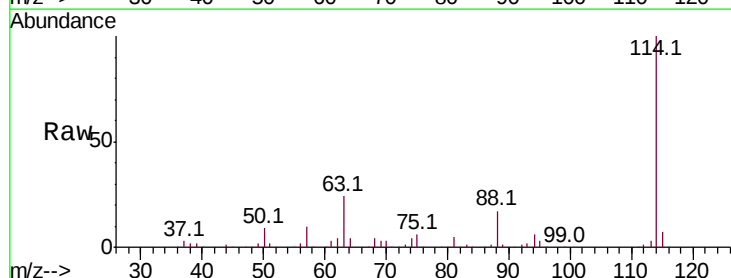
Instrument :  
 MSVOA\_U  
 ClientSampleId :

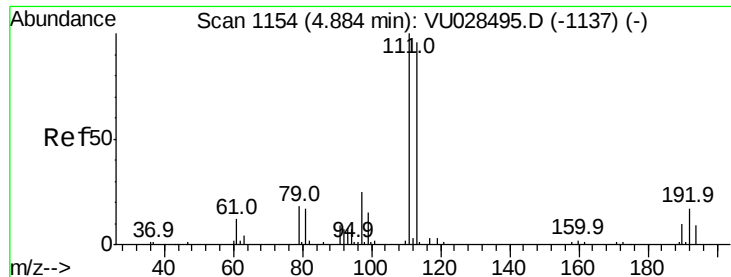
Tot Ion: 65 Resp: 72341  
 Ion Ratio Lower Upper  
 65 100  
 67 56.3 0.0 110.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. -0.00 min  
 Lab File: VU028720.D  
 Acq: 17 Dec 2018 15:06

Tgt Ion: 114 Resp: 171511  
 Ion Ratio Lower Upper  
 114 100  
 63 24.1 0.0 49.2  
 88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.330 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028720.D

Acq: 17 Dec 2018 15:06

Instrument :  
MSVOA\_U  
ClientSampleId :

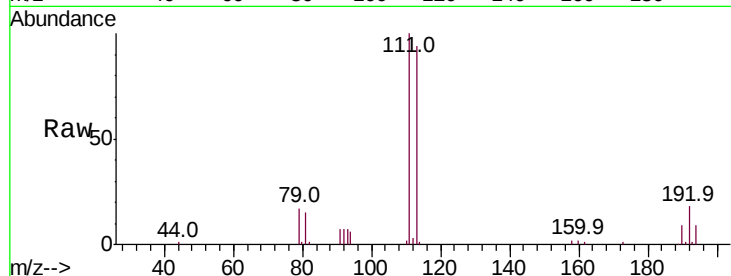
Tot Ion:113 Resp: 57561

Ion Ratio Lower Upper

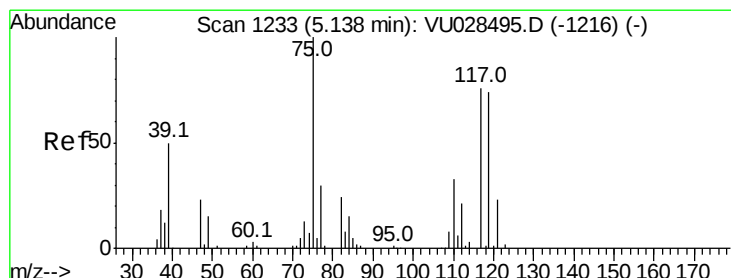
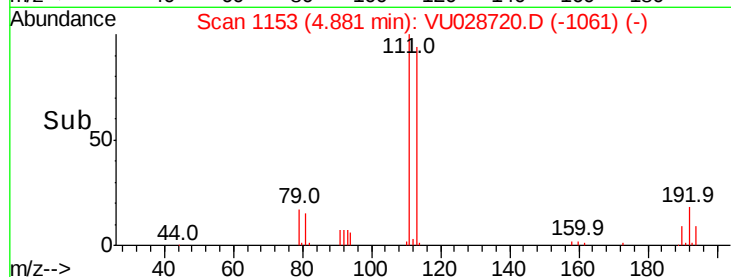
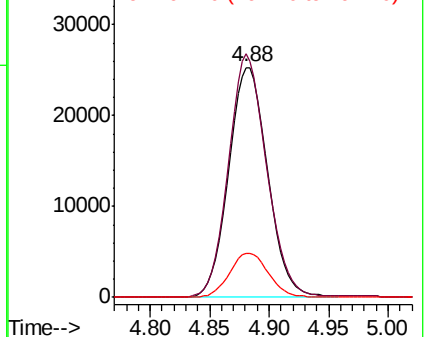
113 100

111 103.3 83.4 125.0

192 19.1 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



#36

1,1-Dichloropropene

Concen: 4.461 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028720.D

Acq: 17 Dec 2018 15:06

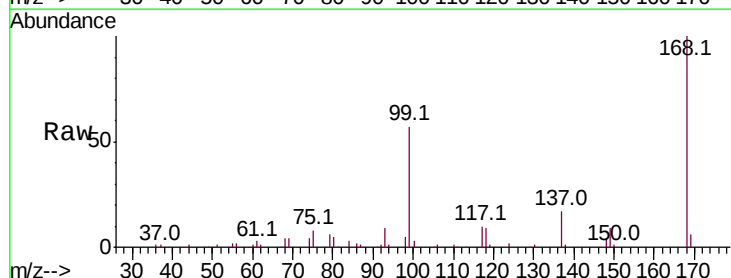
Tgt Ion: 75 Resp: 8373

Ion Ratio Lower Upper

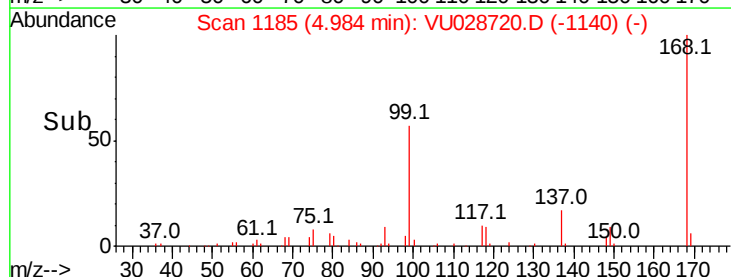
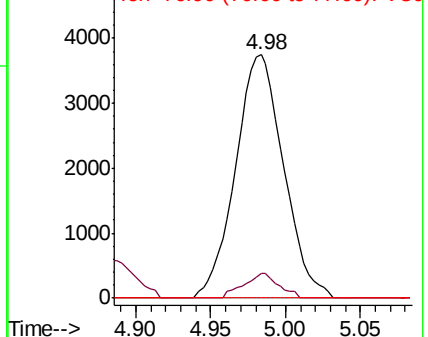
75 100

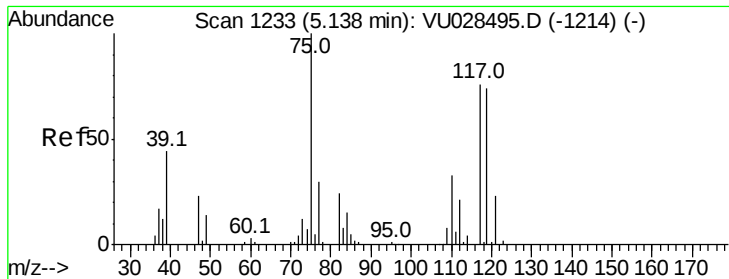
110 7.3 16.1 48.2#

77 0.0 24.5 36.7#



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: 6.511 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028720.D

Acq: 17 Dec 2018 15:06

Instrument :

MSVOA\_U

ClientSampleId :

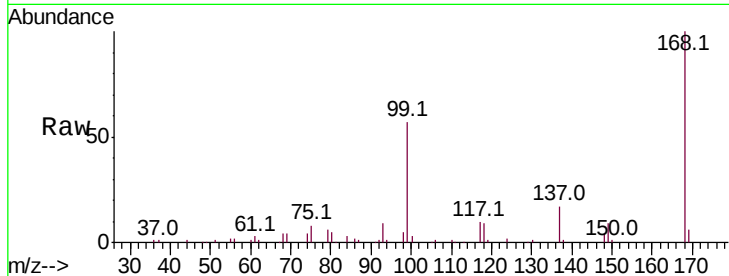
Tot Ion:117 Resp: 9849

Ion Ratio Lower Upper

117 100

119 5.2 77.6 116.4#

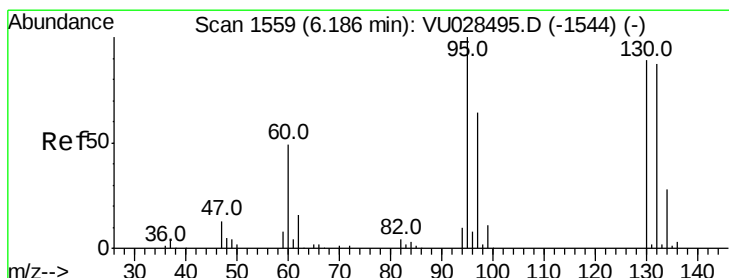
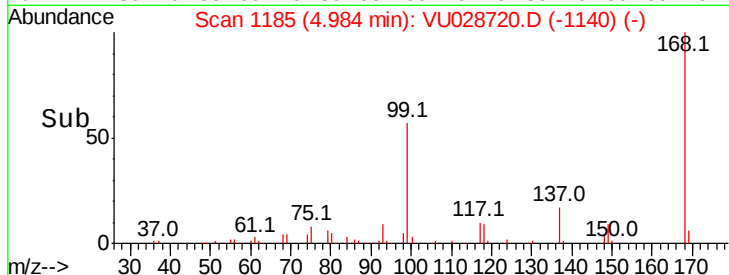
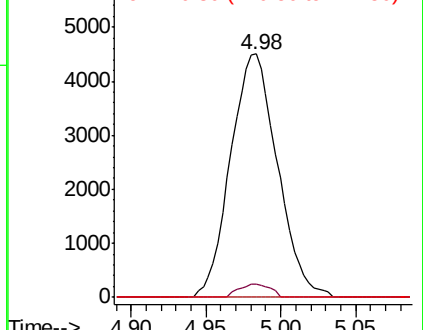
121 0.0 24.6 36.8#



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



#44

Trichloroethene

Concen: 8.257 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028720.D

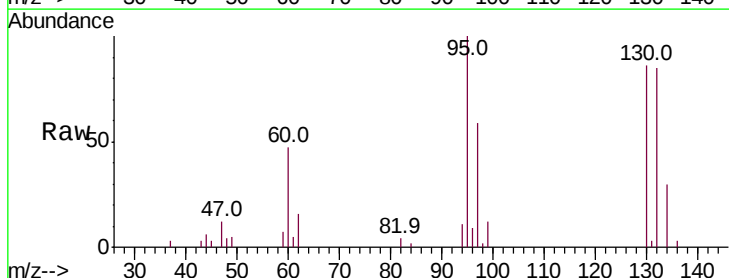
Acq: 17 Dec 2018 15:06

Tgt Ion:130 Resp: 10148

Ion Ratio Lower Upper

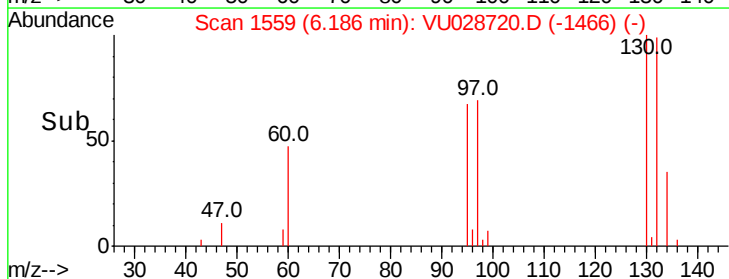
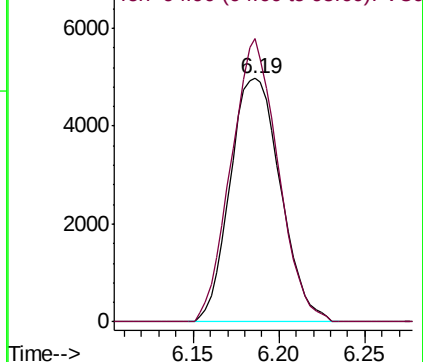
130 100

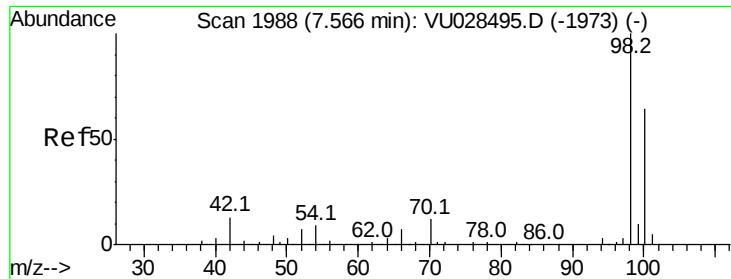
95 116.2 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

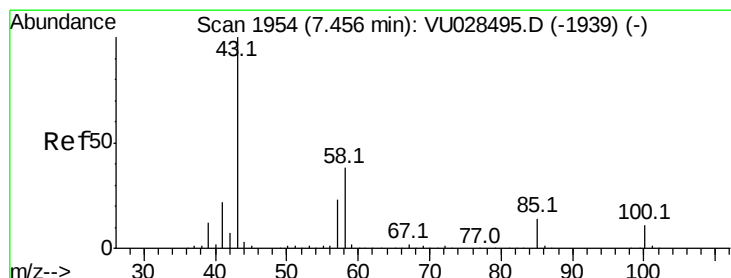
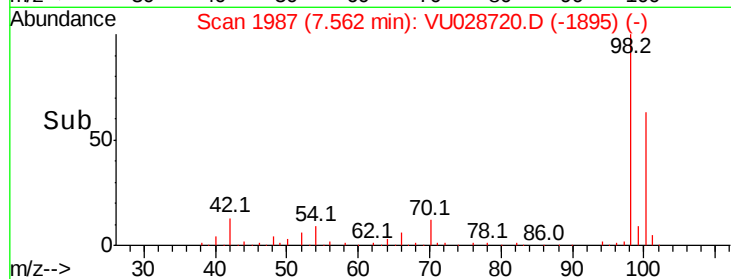
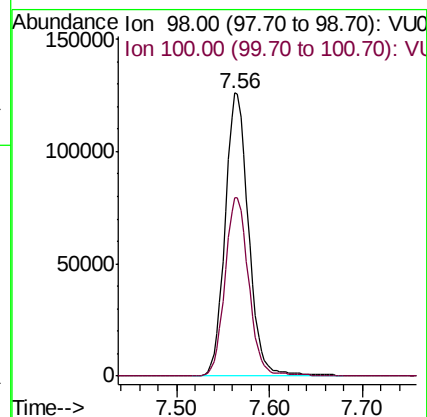
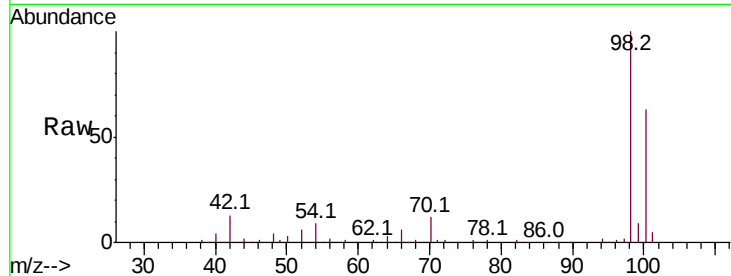




#50  
Toluene-d8  
Concen: 51.858 ug/l  
RT: 7.56 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VU028720.D  
Acq: 17 Dec 2018 15:06

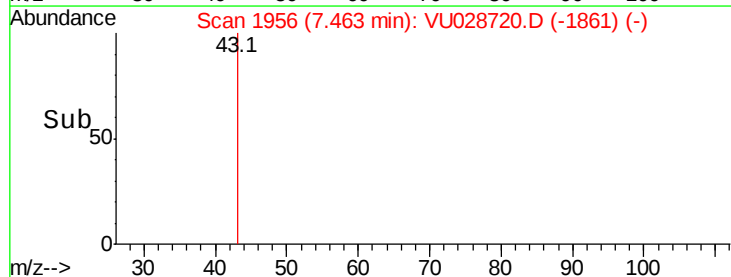
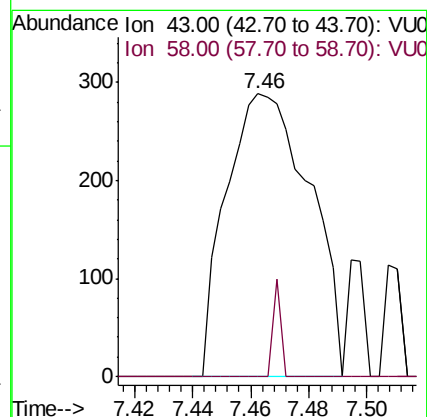
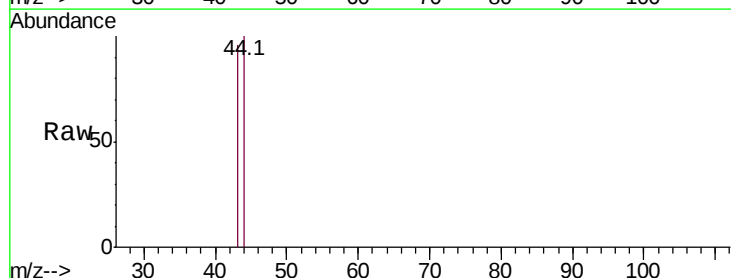
Instrument :  
MSVOA\_U  
ClientSampleId :

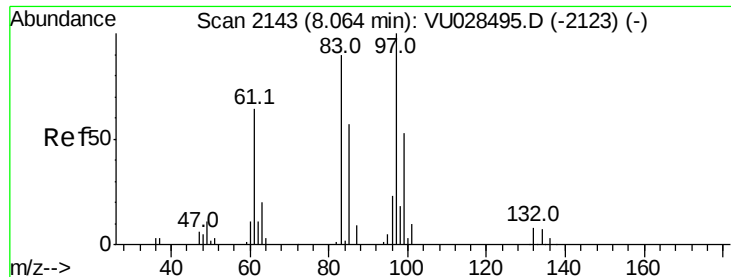
Tot Ion: 98 Resp: 221415  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.0 76.6



#51  
4-Methyl-2-Pentanone  
Concen: 0.238 ug/l  
RT: 7.46 min Scan# 1956  
Delta R.T. 0.01 min  
Lab File: VU028720.D  
Acq: 17 Dec 2018 15:06

Tgt Ion: 43 Resp: 576  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.2 45.2#





#55

1,1,2-Trichloroethane

Concen: 0.252 ug/l

RT: 8.22 min Scan# 2191

Delta R.T. 0.15 min

Lab File: VU028720.D

Acq: 17 Dec 2018 15:06

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 97 Resp: 324

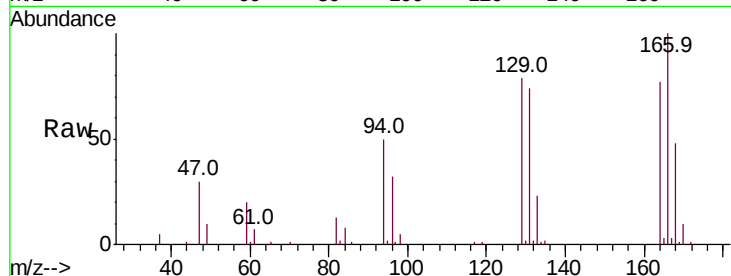
Ion Ratio Lower Upper

97 100

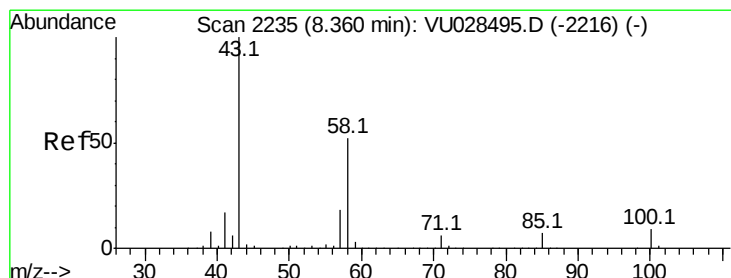
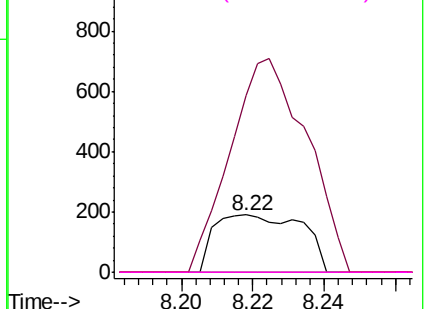
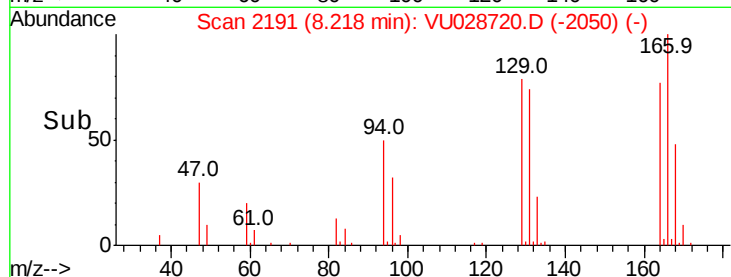
83 307.9 72.4 108.6#

85 0.0 46.0 69.0#

99 0.0 47.4 71.2#



Abundance Ion 96.90 (96.60 to 97.60): VU0  
Ion 82.90 (82.60 to 83.60): VU0  
Ion 84.90 (84.60 to 85.60): VU0  
Ion 98.90 (98.60 to 99.60): VU0



#59

2-Hexanone

Concen: 0.241 ug/l

RT: 8.38 min Scan# 2242

Delta R.T. 0.02 min

Lab File: VU028720.D

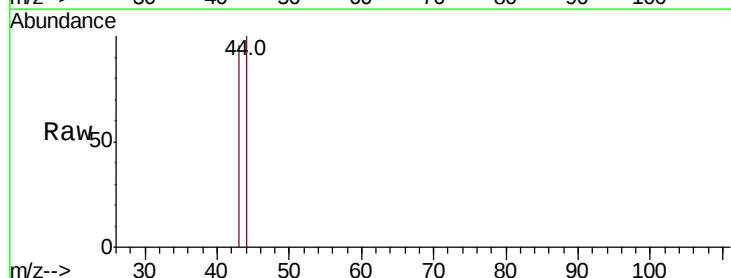
Acq: 17 Dec 2018 15:06

Tgt Ion: 43 Resp: 463

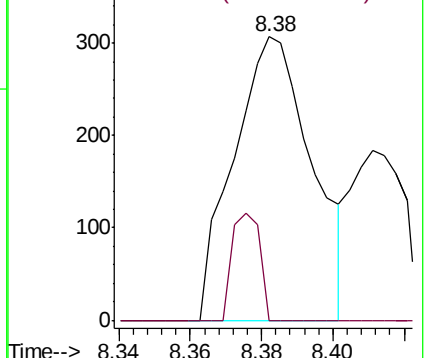
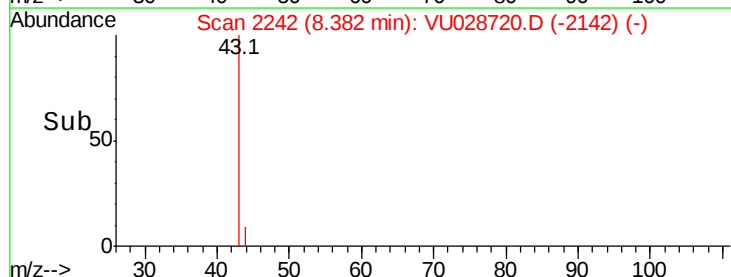
Ion Ratio Lower Upper

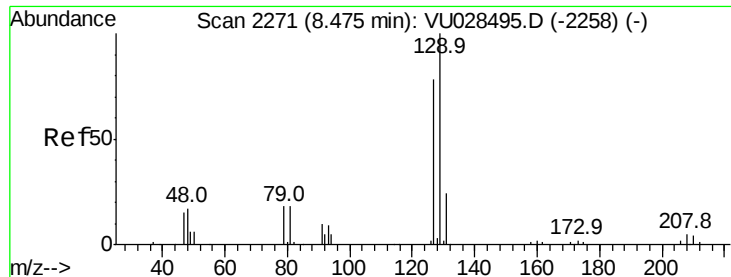
43 100

58 13.4 25.9 77.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0  
Ion 58.00 (57.70 to 58.70): VU0





#60

Dibromochloromethane

Concen: 35.140 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028720.D

Acq: 17 Dec 2018 15:06

Instrument :

MSVOA\_U

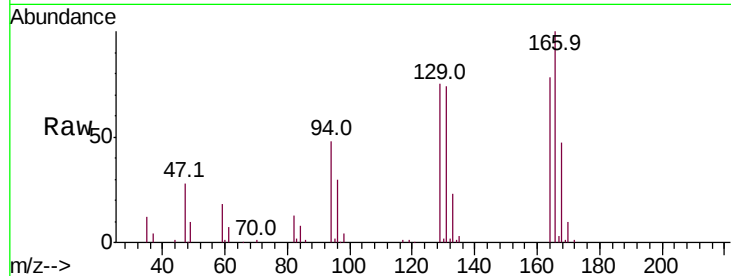
ClientSampleId :

Tot Ion:129 Resp: 44242

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.22

25000

20000

15000

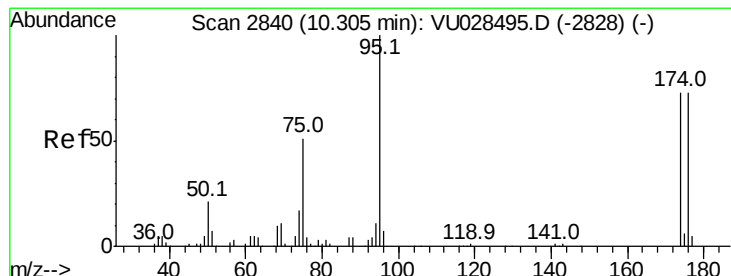
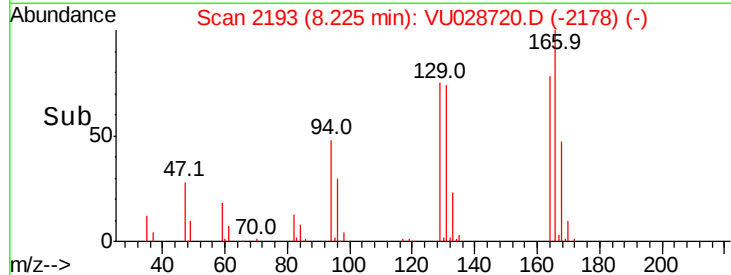
10000

5000

0

Time-->

8.15 8.20 8.25 8.30



#62

4-Bromofluorobenzene

Concen: 45.946 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028720.D

Acq: 17 Dec 2018 15:06

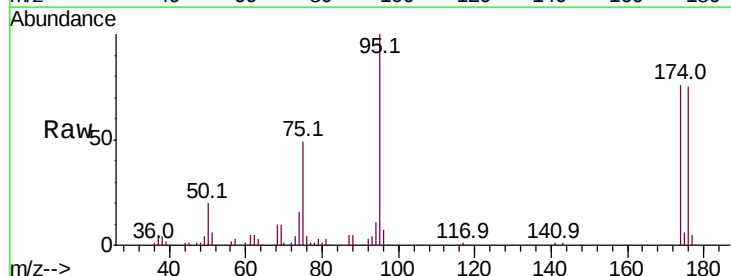
Tgt Ion: 95 Resp: 73323

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.4

176 73.7 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

50000

40000

30000

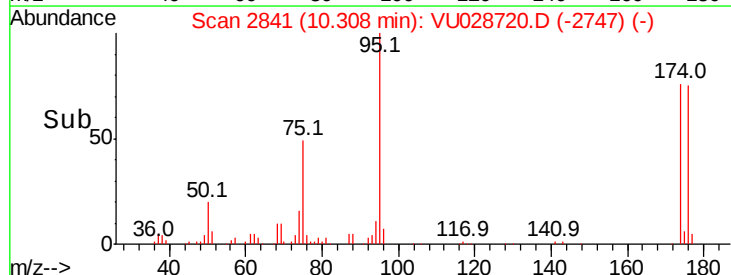
20000

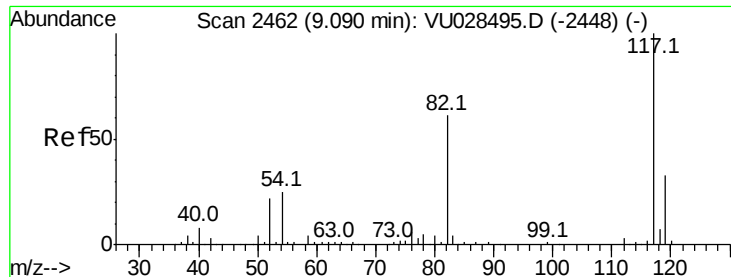
10000

0

Time-->

10.30 10.40

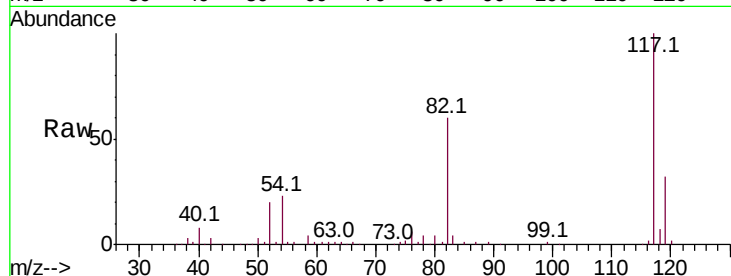




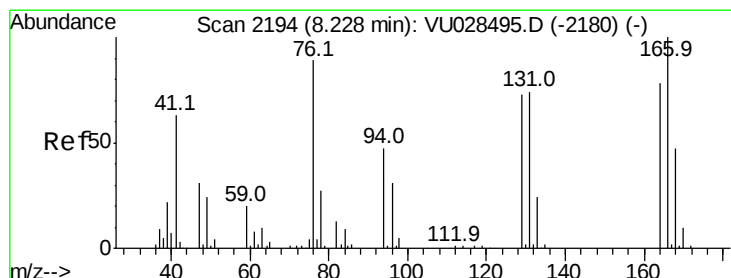
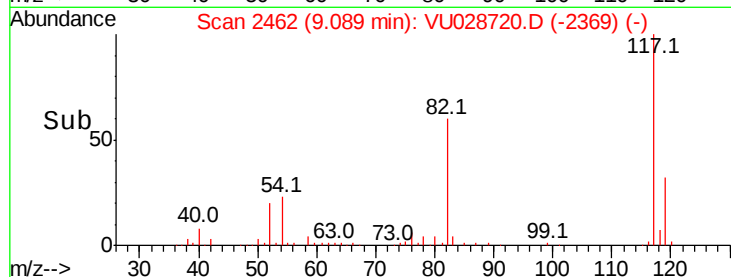
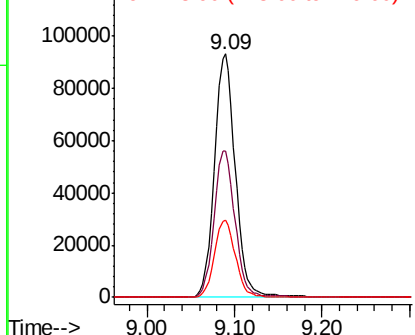
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU028720.D  
Acq: 17 Dec 2018 15:06

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion:117 Resp: 154900  
Ion Ratio Lower Upper  
117 100  
82 59.9 48.9 73.3  
119 31.9 26.2 39.4

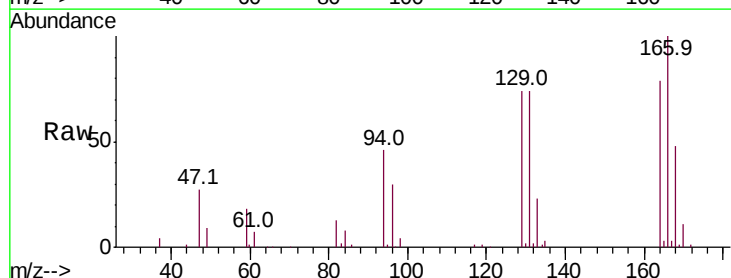


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V

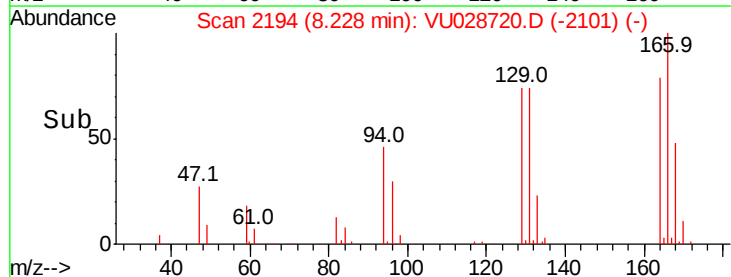
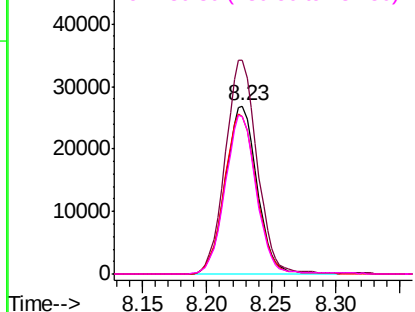


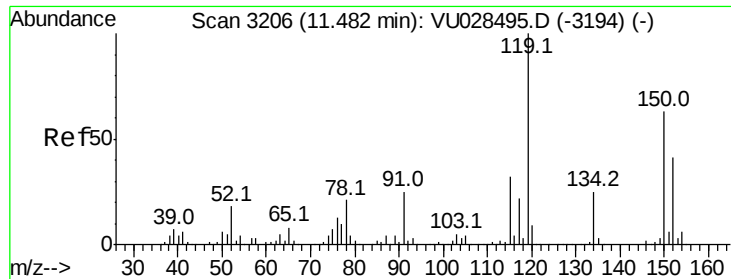
#64  
Tetrachloroethene  
Concen: 44.419 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. -0.00 min  
Lab File: VU028720.D  
Acq: 17 Dec 2018 15:06

Tgt Ion:164 Resp: 45895  
Ion Ratio Lower Upper  
164 100  
166 127.1 101.9 152.9  
129 93.6 74.9 112.3  
131 94.0 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028720.D

Acq: 17 Dec 2018 15:06

Instrument :

MSVOA\_U

ClientSampleId :

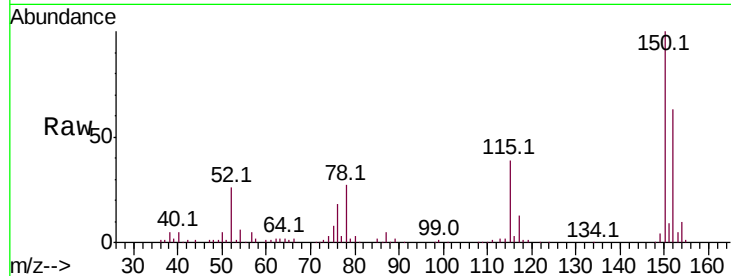
Tot Ion:152 Resp: 61512

Ion Ratio Lower Upper

152 100

115 58.6 42.7 128.1

150 155.8 0.0 346.0

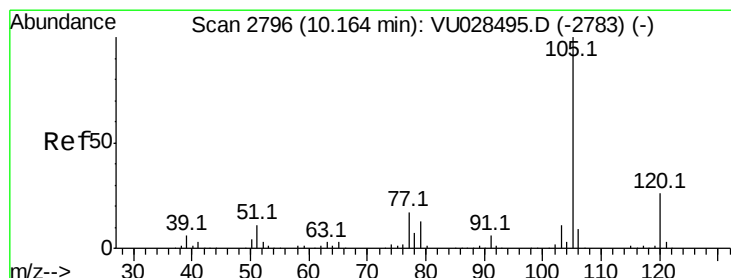
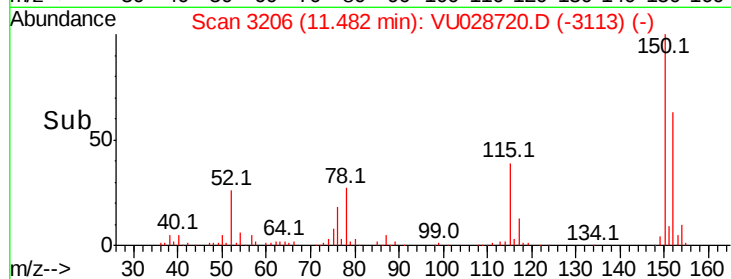
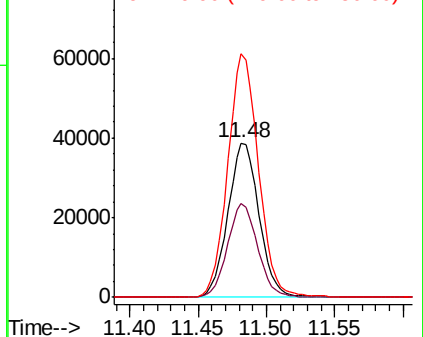


Abundance

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



#73

Isopropylbenzene

Concen: 0.249 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028720.D

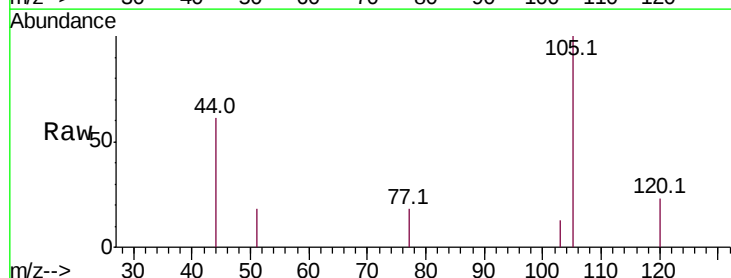
Acq: 17 Dec 2018 15:06

Tgt Ion:105 Resp: 1174

Ion Ratio Lower Upper

105 100

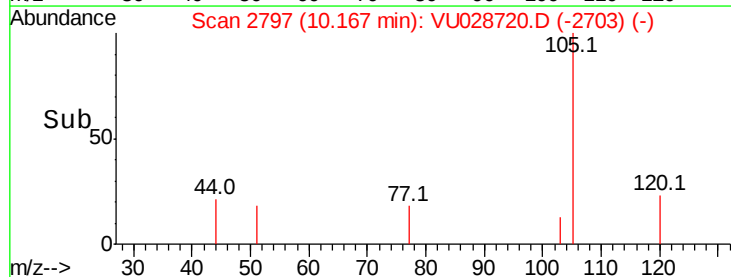
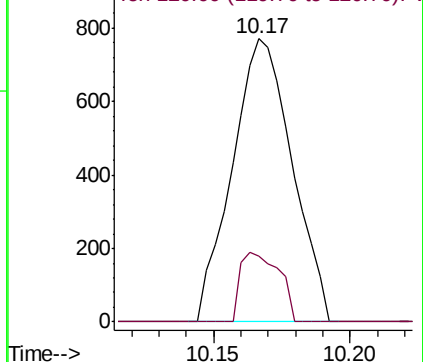
120 15.8 12.9 38.6

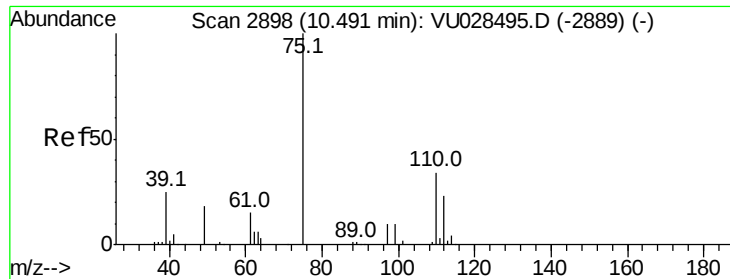


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 23.146 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028720.D

Acq: 17 Dec 2018 15:06

Instrument :

MSVOA\_U

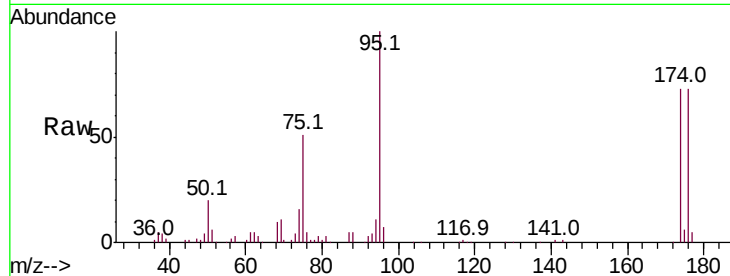
ClientSampleId :

Tot Ion: 75 Resp: 36356

Ion Ratio Lower Upper

75 100

77 0.7 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.30

25000

20000

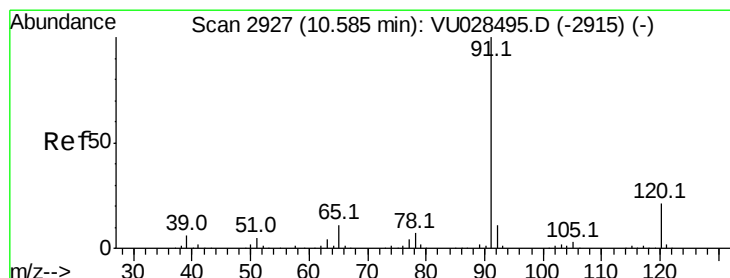
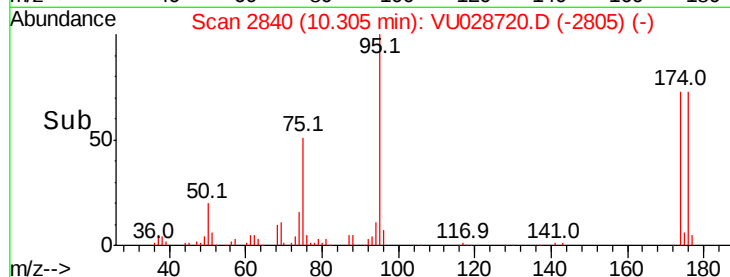
15000

10000

5000

0

Time-->



#78

n-propylbenzene

Concen: 0.618 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.01 min

Lab File: VU028720.D

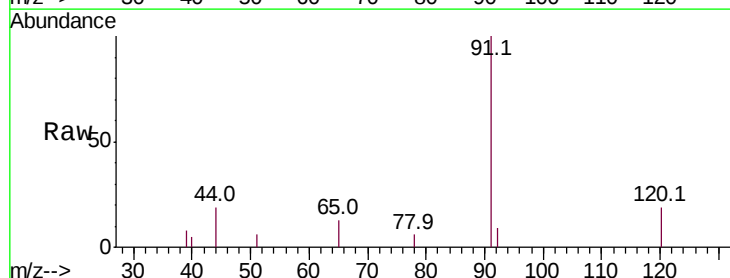
Acq: 17 Dec 2018 15:06

Tgt Ion: 91 Resp: 3626

Ion Ratio Lower Upper

91 100

120 17.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

2500

2000

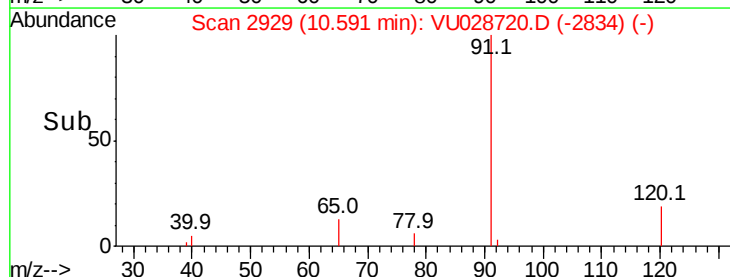
1500

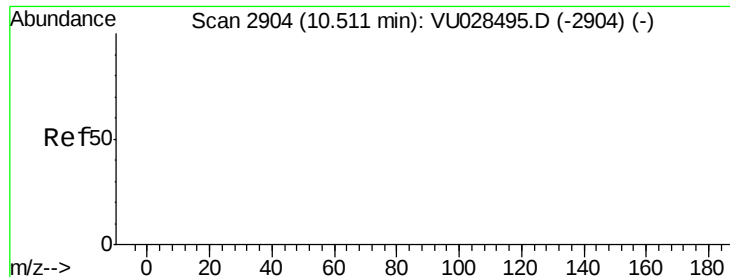
1000

500

0

Time-->

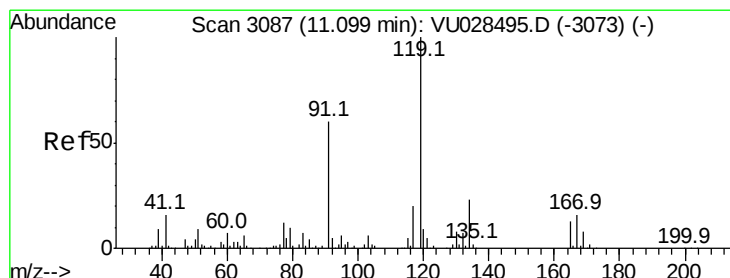
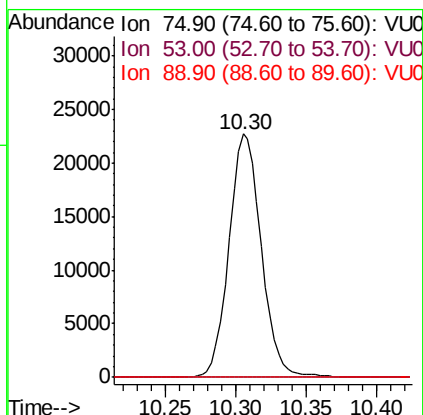
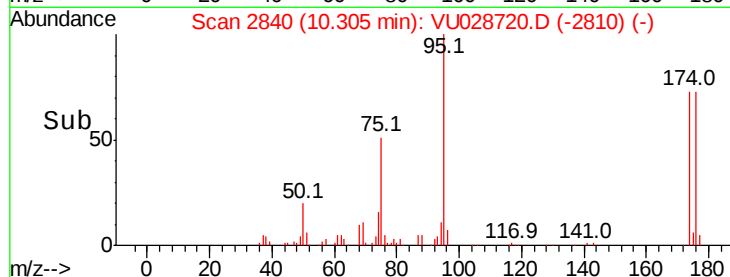
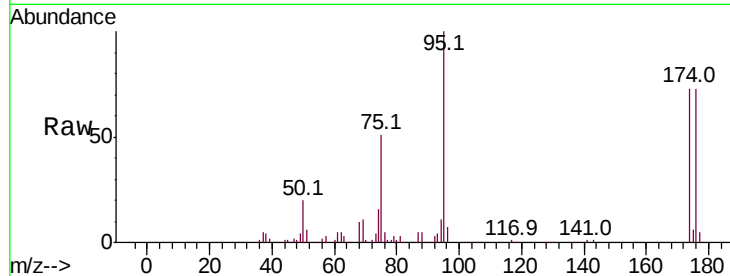




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 56.836 ug/l  
 RT: 10.30 min Scan# 2840  
 Delta R.T. -0.21 min  
 Lab File: VU028720.D  
 Acq: 17 Dec 2018 15:06

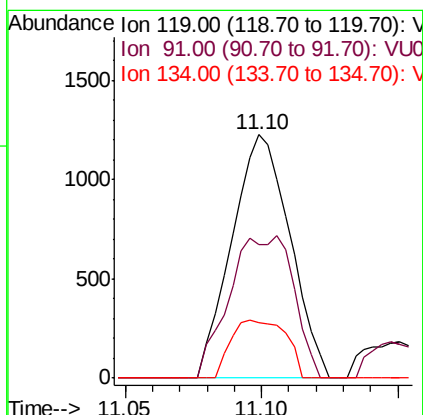
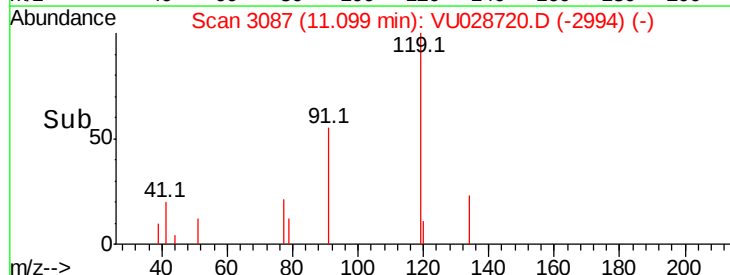
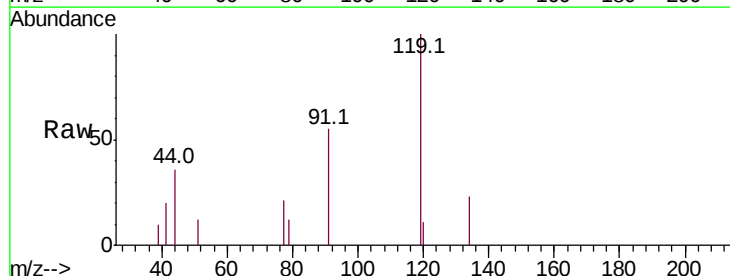
Instrument :  
 MSVOA\_U  
 ClientSampleId :

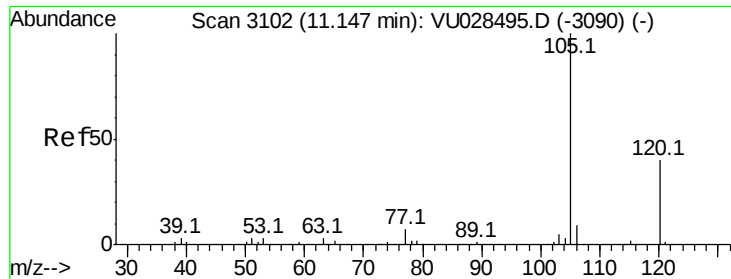
Tot Ion: 75 Resp: 36356  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 0.0 0.0  
 89 0.0 0.0 0.0



#83  
 tert-Butylbenzene  
 Concen: 0.480 ug/l  
 RT: 11.10 min Scan# 3087  
 Delta R.T. -0.00 min  
 Lab File: VU028720.D  
 Acq: 17 Dec 2018 15:06

Tgt Ion: 119 Resp: 1809  
 Ion Ratio Lower Upper  
 119 100  
 91 64.5 30.3 91.0  
 134 22.7 11.2 33.5

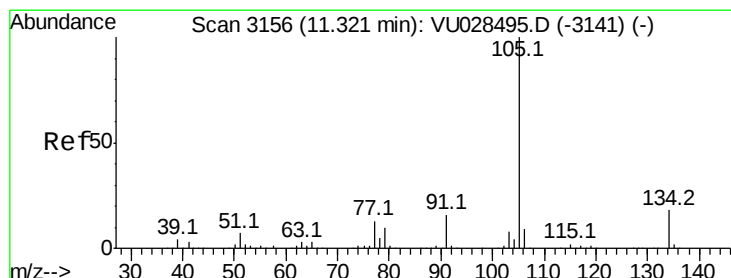
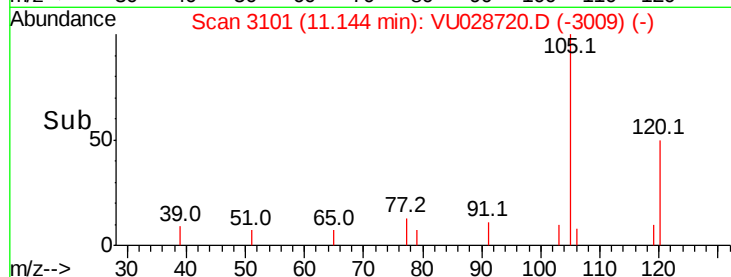
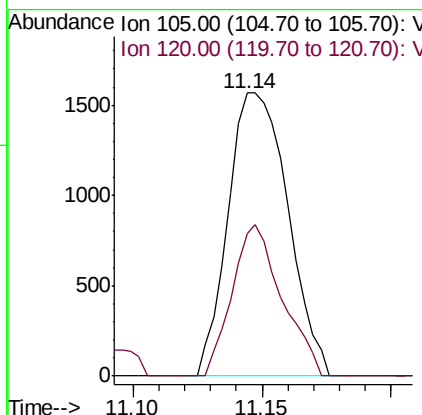
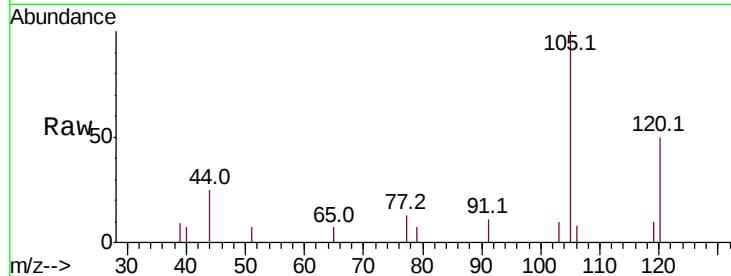




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.629 ug/l  
 RT: 11.14 min Scan# 3101  
 Delta R.T. -0.00 min  
 Lab File: VU028720.D  
 Acq: 17 Dec 2018 15:06

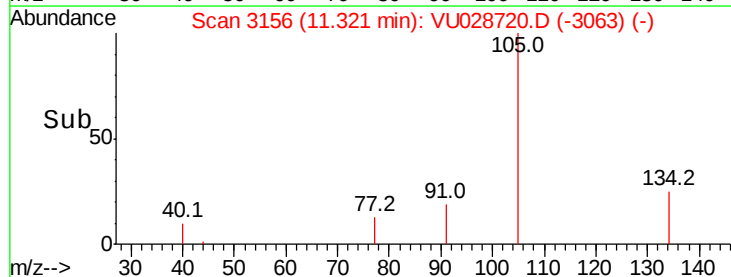
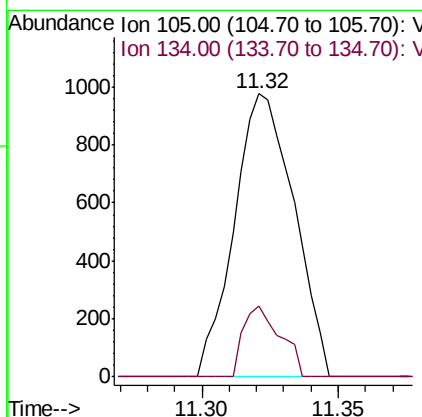
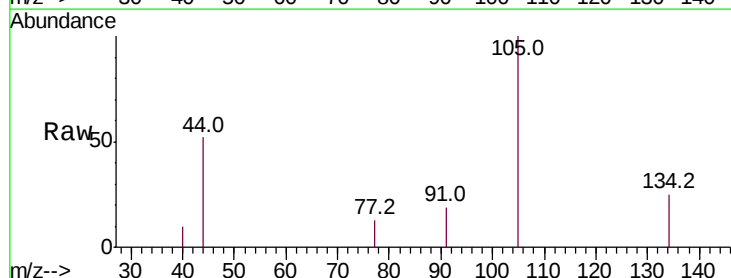
Instrument :  
 MSVOA\_U  
 ClientSampleId :

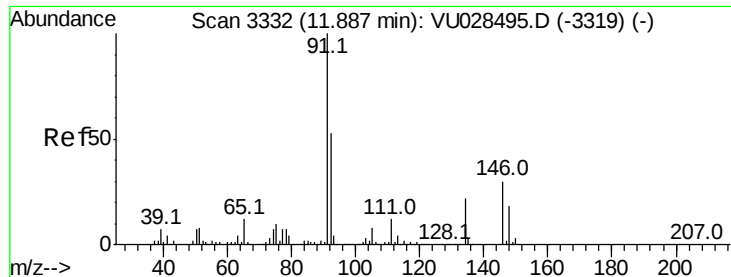
Tot Ion:105 Resp: 2534  
 Ion Ratio Lower Upper  
 105 100  
 120 44.3 21.8 65.4



#85  
 sec-Butylbenzene  
 Concen: 0.307 ug/l  
 RT: 11.32 min Scan# 3156  
 Delta R.T. -0.00 min  
 Lab File: VU028720.D  
 Acq: 17 Dec 2018 15:06

Tgt Ion:105 Resp: 1485  
 Ion Ratio Lower Upper  
 105 100  
 134 15.5 9.2 27.6





#89

n-Butylbenzene

Concen: 0.228 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.01 min

Lab File: VU028720.D

Acq: 17 Dec 2018 15:06

Instrument :

MSVOA\_U

ClientSampleId :

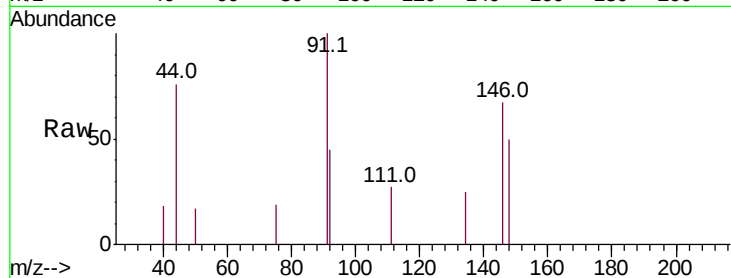
Tot Ion: 91 Resp: 950

Ion Ratio Lower Upper

91 100

92 39.5 26.3 78.9

134 14.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028495.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028495.D (-3319) (-)

11.89

800

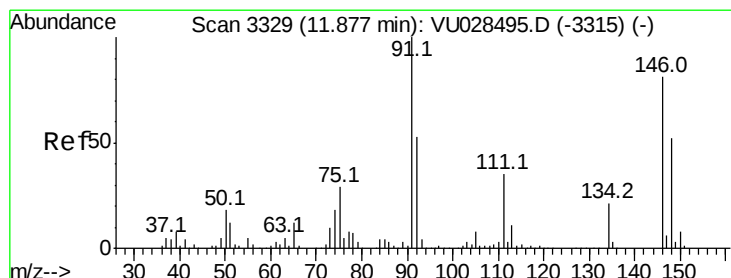
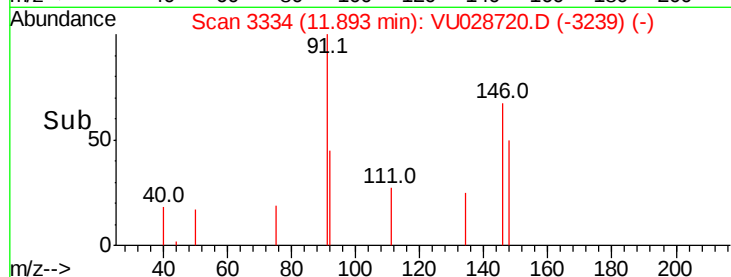
600

400

200

0

Time--> 11.85 11.90



#91

1,2-Dichlorobenzene

Concen: 0.512 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.01 min

Lab File: VU028720.D

Acq: 17 Dec 2018 15:06

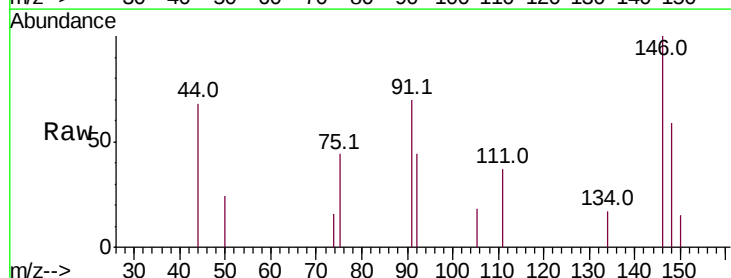
Tgt Ion: 146 Resp: 1067

Ion Ratio Lower Upper

146 100

111 38.8 21.1 63.4

148 71.0 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): VU028495.D (-3315) (-)

Ion 110.90 (110.60 to 111.60): VU028495.D (-3315) (-)

Ion 147.90 (147.60 to 148.60): VU028495.D (-3315) (-)

11.89

800

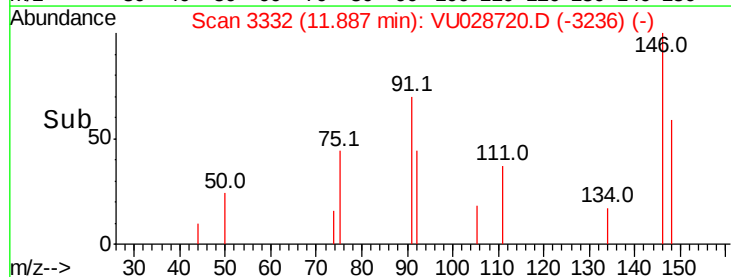
600

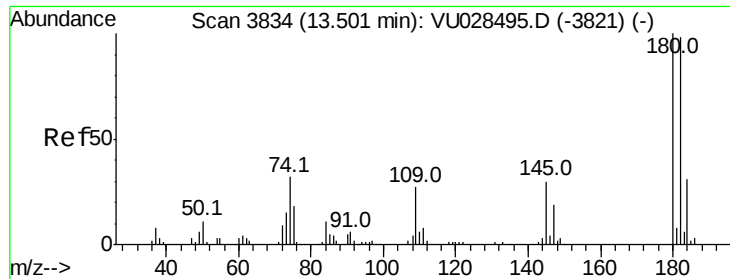
400

200

0

Time--> 11.85 11.90

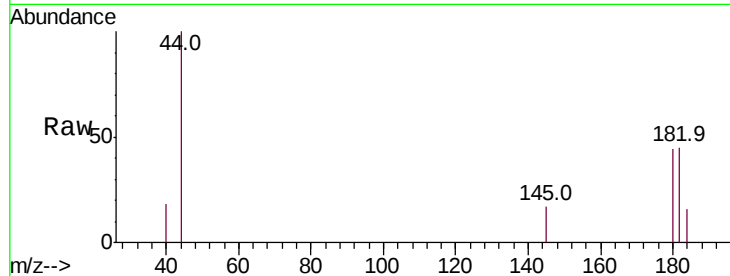




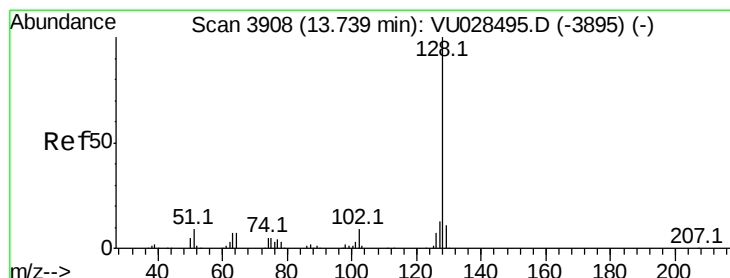
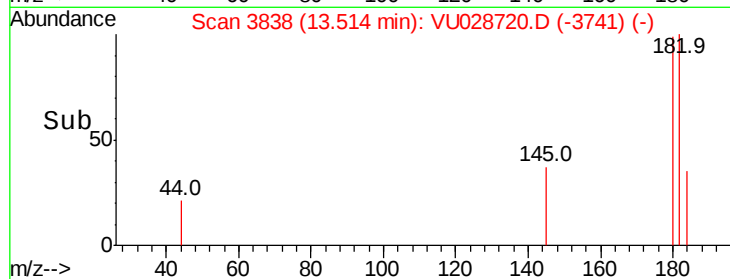
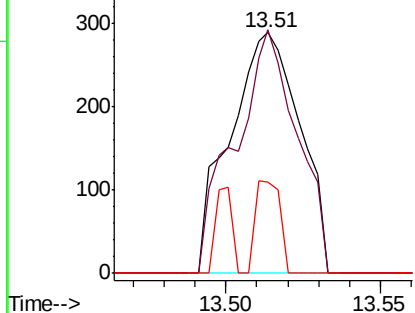
#93  
 1,2,4-Trichlorobenzene  
 Concen: 1.156 ug/l  
 RT: 13.51 min Scan# 3838  
 Delta R.T. 0.01 min  
 Lab File: VU028720.D  
 Acq: 17 Dec 2018 15:06

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion:180 Resp: 456  
 Ion Ratio Lower Upper  
 180 100  
 182 90.1 47.9 143.8  
 145 13.6 15.0 45.1#

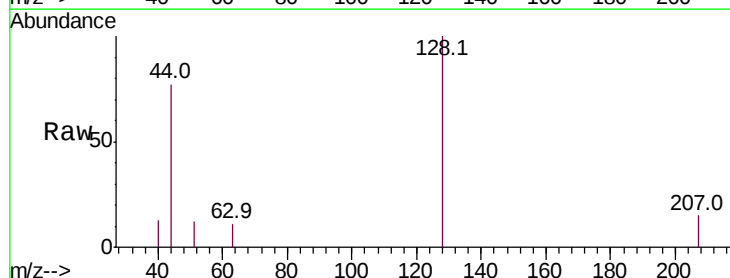


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

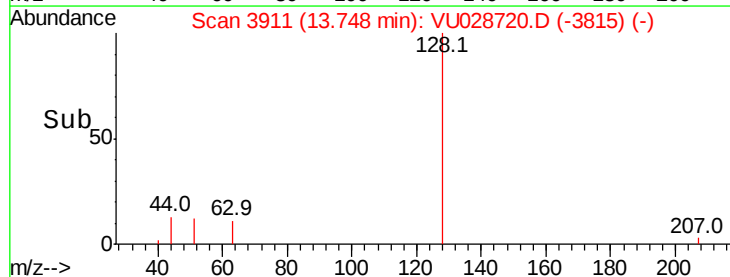
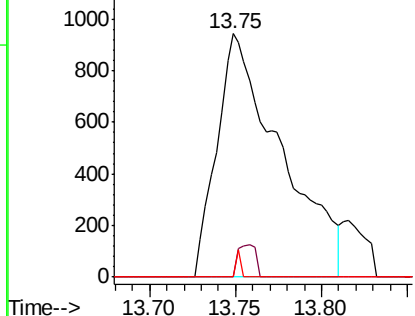


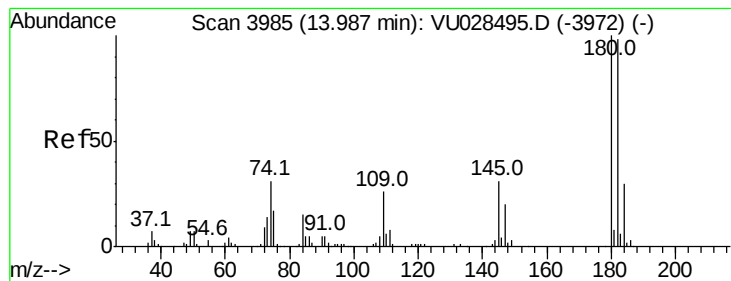
#95  
 Naphthalene  
 Concen: 0.487 ug/l  
 RT: 13.75 min Scan# 3911  
 Delta R.T. 0.01 min  
 Lab File: VU028720.D  
 Acq: 17 Dec 2018 15:06

Tgt Ion:128 Resp: 2438  
 Ion Ratio Lower Upper  
 128 100  
 127 3.7 10.4 15.6#  
 129 0.9 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V  
 Ion 127.00 (126.70 to 127.70): V  
 Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.577 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU028720.D

Acq: 17 Dec 2018 15:06

Instrument :

MSVOA\_U

ClientSampleId :

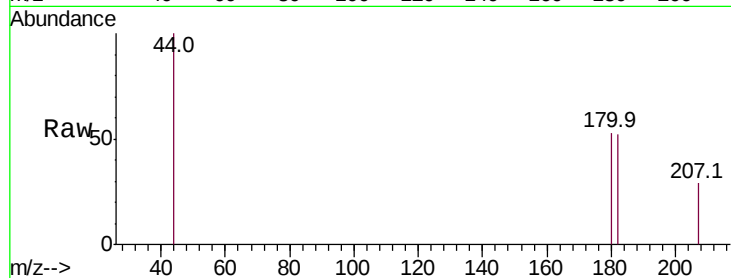
Tot Ion:180 Resp: 616

Ion Ratio Lower Upper

180 100

182 103.6 48.2 144.6

145 0.0 15.8 47.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

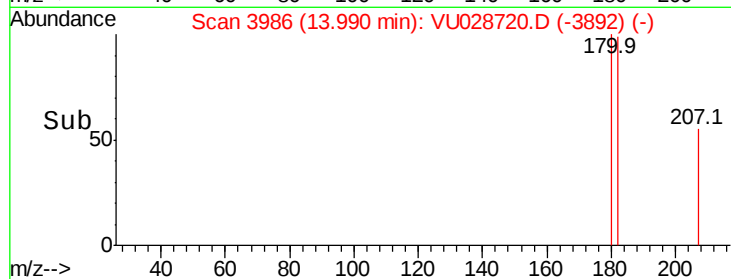
400

300

200

100

0



Time--> 13.95 14.00