

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\  
 Data File : VW007032.D  
 Acq On : 22 Nov 2018 07:08  
 Operator : VAY/AP  
 Sample : J6013-01RE  
 Misc : 5.09G/5ML/MSVOA W/SOIL  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 22 23:45:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 21 03:23:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 40743    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 62808    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 52437    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 21291    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 18614    | 46.67 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.34% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 16451    | 46.38 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.76% |      |
| 50) Toluene-d8            | 10.33  | 98  | 68128    | 43.50 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 87.00% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 23923    | 38.81 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 77.62% |      |

## Target Compounds

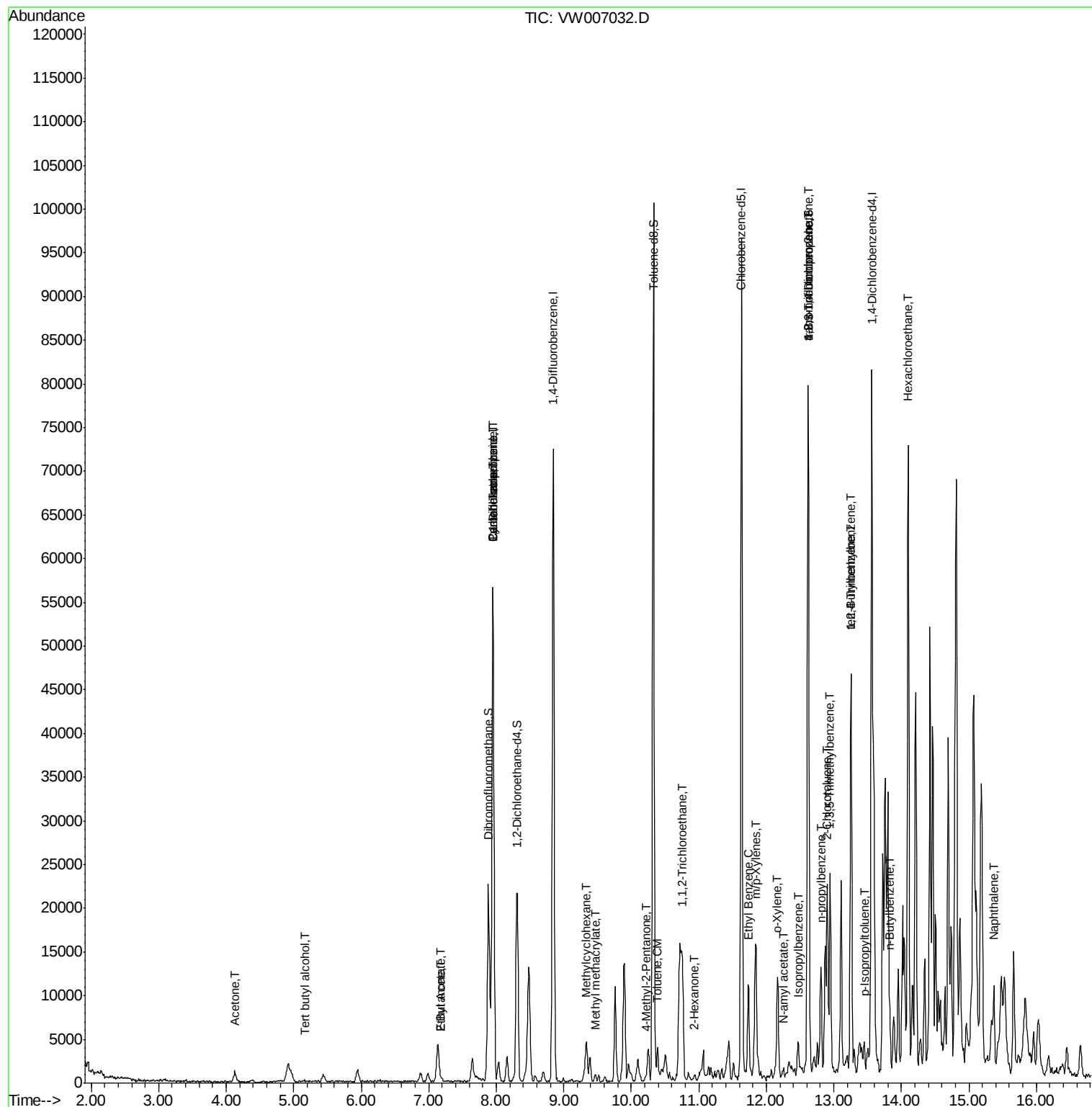
|                                |       |     |       |           | Qvalue |     |
|--------------------------------|-------|-----|-------|-----------|--------|-----|
| 11) Tert butyl alcohol         | 5.17  | 59  | 30    | 1.155     | ug/l # | 71  |
| 16) Acetone                    | 4.12  | 43  | 2115  | 36.520    | ug/l   | 100 |
| 20) Methylene Chloride         | 4.91  | 84  | 827   | Below Cal | #      | 83  |
| 25) 2-Butanone                 | 7.18  | 43  | 442   | 4.456     | ug/l # | 48  |
| 31) Cyclohexane                | 7.95  | 56  | 1265  | 1.647     | ug/l # | 2   |
| 36) 1,1-Dichloropropene        | 7.95  | 75  | 3279  | 5.342     | ug/l # | 46  |
| 37) Ethyl Acetate              | 7.18  | 43  | 442   | 1.987     | ug/l # | 69  |
| 38) Carbon Tetrachloride       | 7.95  | 117 | 4128  | 7.024     | ug/l # | 17  |
| 39) Methylcyclohexane          | 9.34  | 83  | 1083  | 1.410     | ug/l   | 95  |
| 48) Methyl methacrylate        | 9.46  | 41  | 251   | 1.228     | ug/l # | 22  |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43  | 406   | 1.896     | ug/l # | 45  |
| 52) Toluene                    | 10.39 | 92  | 1783  | 1.581     | ug/l   | 95  |
| 55) 1,1,2-Trichloroethane      | 10.76 | 97  | 888   | 2.951     | ug/l # | 21  |
| 59) 2-Hexanone                 | 10.94 | 43  | 276   | 1.882     | ug/l # | 24  |
| 67) Ethyl Benzene              | 11.73 | 91  | 6671  | 3.318     | ug/l   | 97  |
| 68) m/p-Xylenes                | 11.84 | 106 | 4775  | 6.053     | ug/l   | 95  |
| 69) o-Xylene                   | 12.16 | 106 | 2955  | 3.973     | ug/l   | 92  |
| 73) Isopropylbenzene           | 12.47 | 105 | 2136  | 1.291     | ug/l   | 98  |
| 74) N-amyl acetate             | 12.25 | 43  | 378   | 1.363     | ug/l # | 54  |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75  | 11694 | 69.897    | ug/l # | 100 |
| 78) n-propylbenzene            | 12.81 | 91  | 9753  | 4.866     | ug/l   | 97  |
| 79) 2-Chlorotoluene            | 12.90 | 91  | 1710  | 1.480     | ug/l # | 41  |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105 | 10776 | 7.531     | ug/l   | 98  |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75  | 11694 | 175.483   | ug/l # | 11  |
| 83) tert-Butylbenzene          | 13.26 | 119 | 3234  | 2.610     | ug/l # | 61  |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105 | 24493 | 17.180    | ug/l   | 98  |
| 86) p-Isopropyltoluene         | 13.44 | 119 | 1826  | 1.183     | ug/l   | 91  |
| 89) n-Butylbenzene             | 13.83 | 91  | 3208  | 2.208     | ug/l # | 72  |
| 90) Hexachloroethane           | 14.10 | 117 | 3829  | 16.986    | ug/l # | 14  |
| 95) Naphthalene                | 15.37 | 128 | 6181  | 8.122     | ug/l # | 91  |

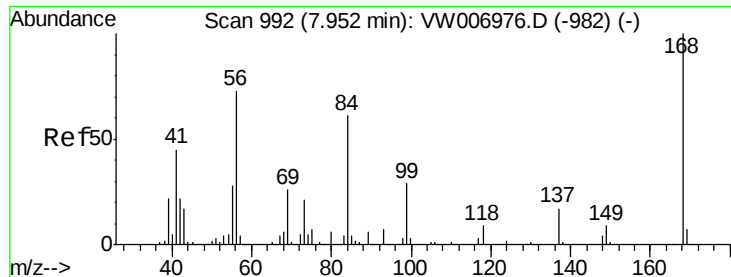
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112218\  
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Sample : J6013-01RE  
Misc : 5.09G/5ML/MSVOA W/SOIL  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Nov 22 23:45:48 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 21 03:23:02 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007032.D

Acq: 22 Nov 2018 07:08

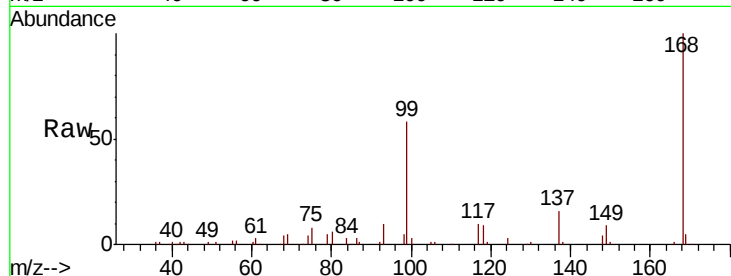
Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion:168 Resp: 40743

Ion Ratio Lower Upper

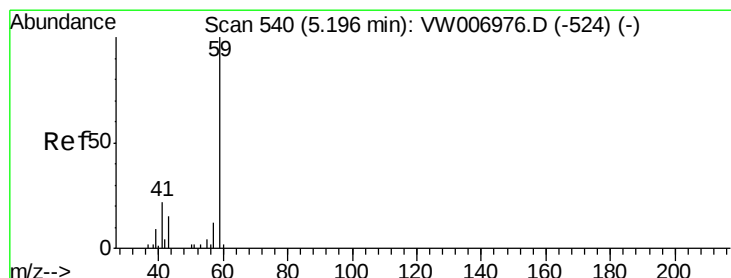
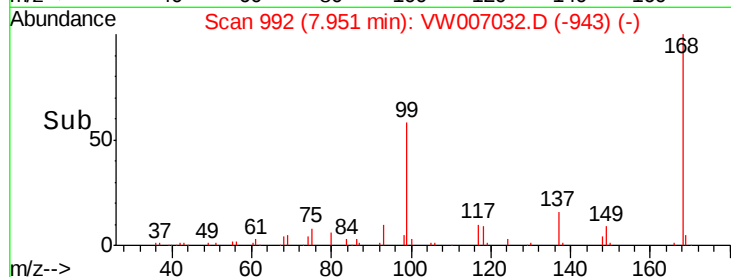
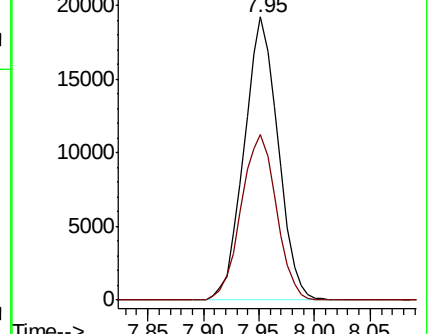
168 100

99 58.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.155 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.03 min

Lab File: VW007032.D

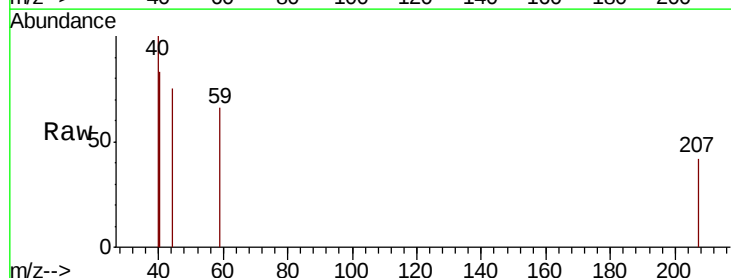
Acq: 22 Nov 2018 07:08

Tgt Ion: 59 Resp: 30

Ion Ratio Lower Upper

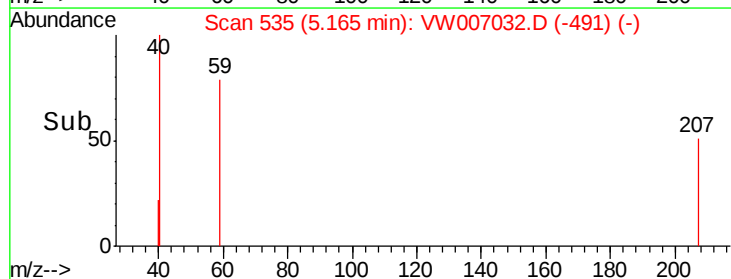
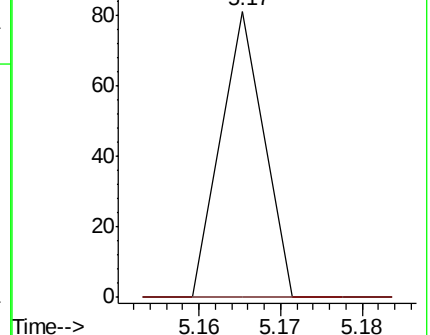
59 100

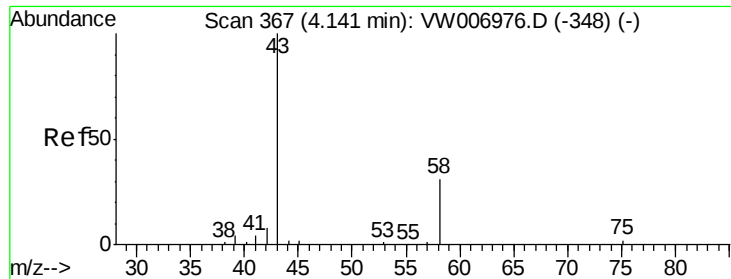
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 36.520 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW007032.D

Acq: 22 Nov 2018 07:08

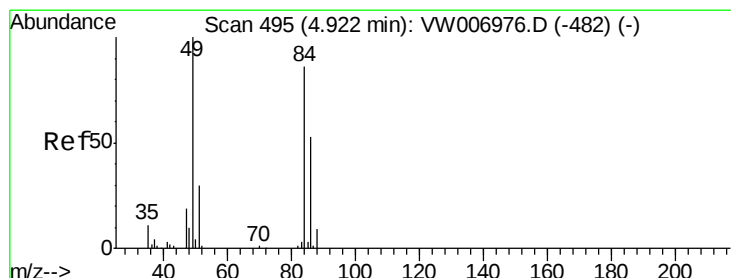
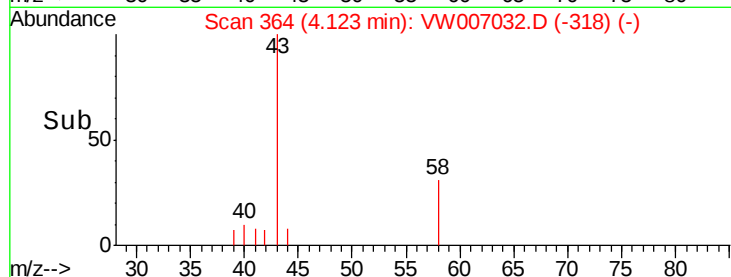
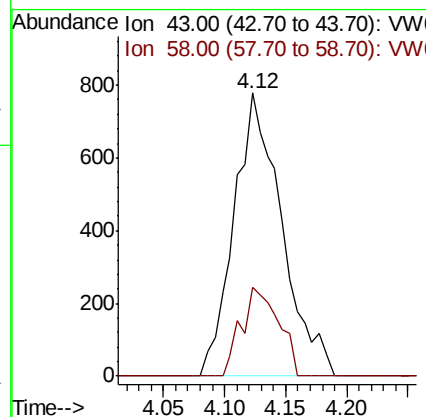
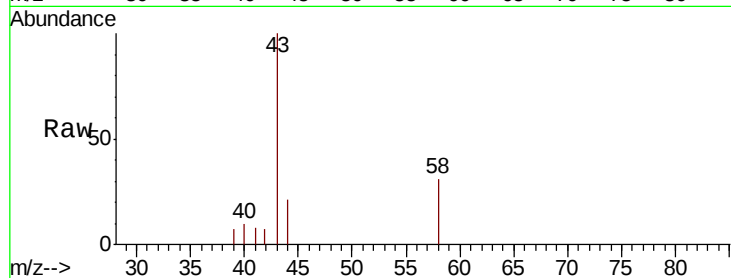
Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 43 Resp: 2115

Ion Ratio Lower Upper

43 100

58 31.2 24.8 37.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW007032.D

Acq: 22 Nov 2018 07:08

Tgt Ion: 84 Resp: 827

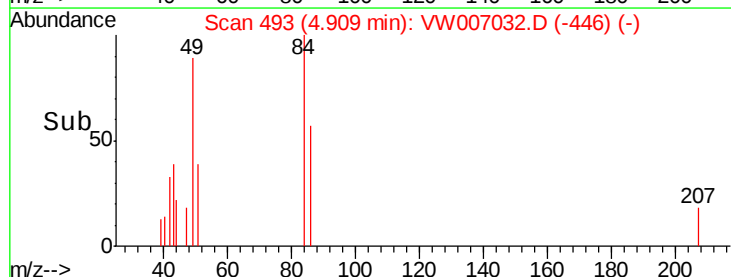
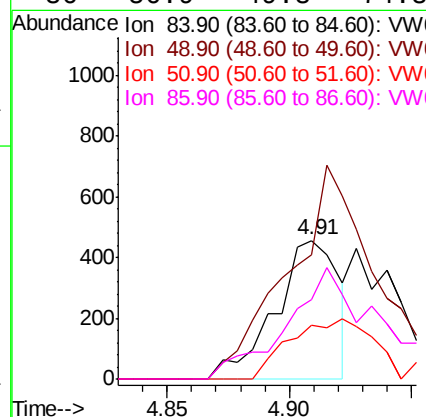
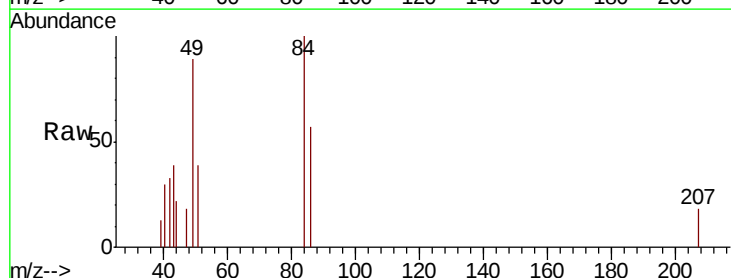
Ion Ratio Lower Upper

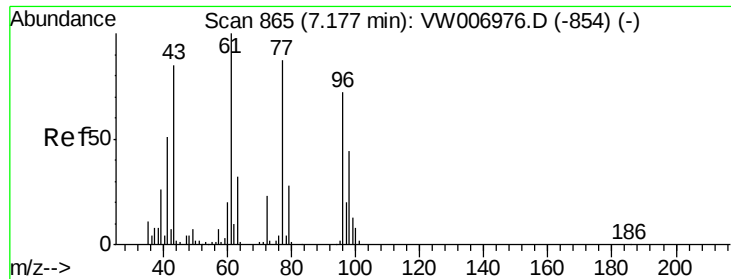
84 100

49 89.1 93.4 140.0#

51 38.5 28.4 42.6

86 56.9 49.8 74.8





#25

2-Butanone

Concen: 4.456 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007032.D

Acq: 22 Nov 2018 07:08

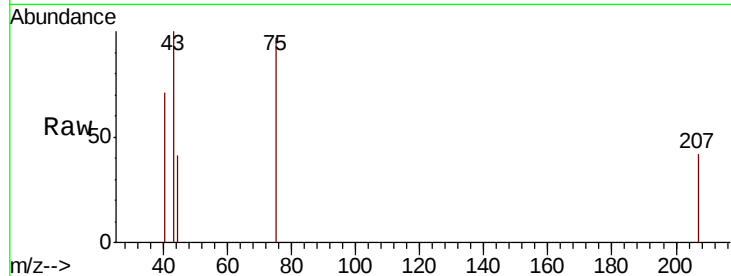
Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 43 Resp: 442

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

200

150

100

50

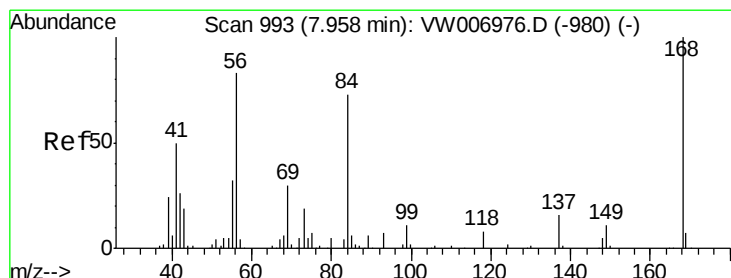
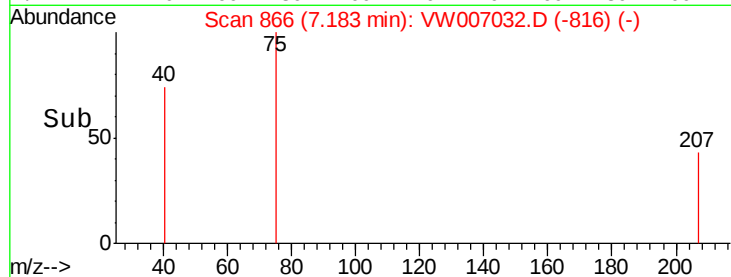
0

7.15

7.20

7.25

Time-->



#31

Cyclohexane

Concen: 1.647 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007032.D

Acq: 22 Nov 2018 07:08

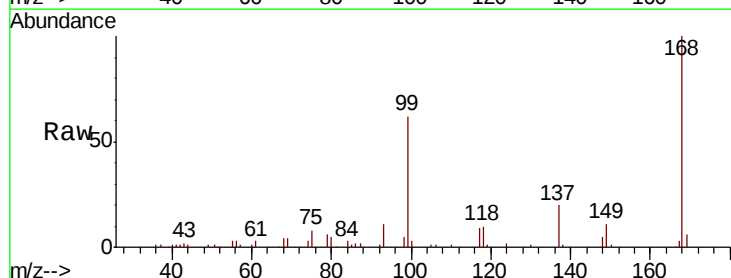
Tgt Ion: 56 Resp: 1265

Ion Ratio Lower Upper

56 100

69 170.1 29.1 43.7#

84 129.9 70.6 105.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

1200

1000

800

600

400

200

0

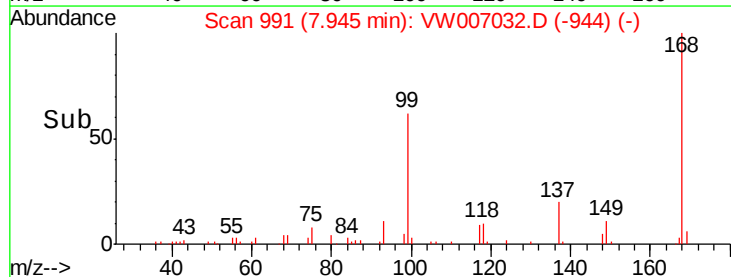
7.85

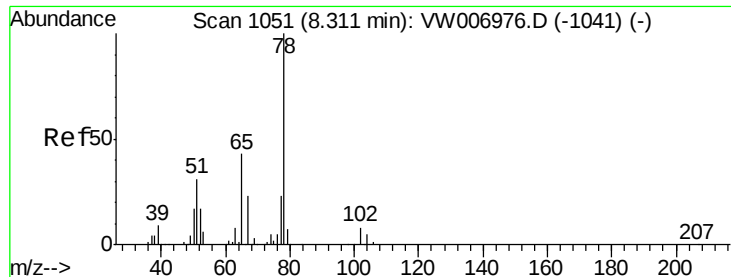
7.90

7.95

8.00

Time-->

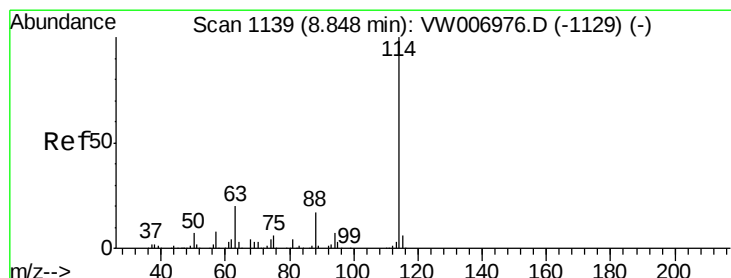
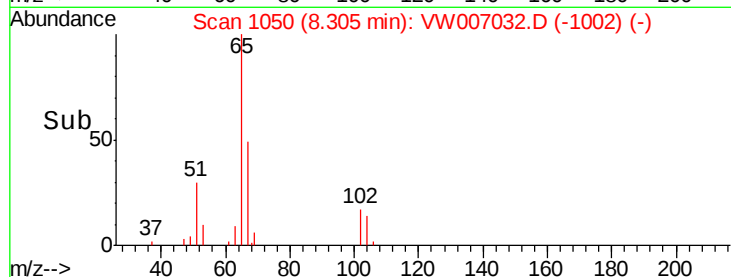
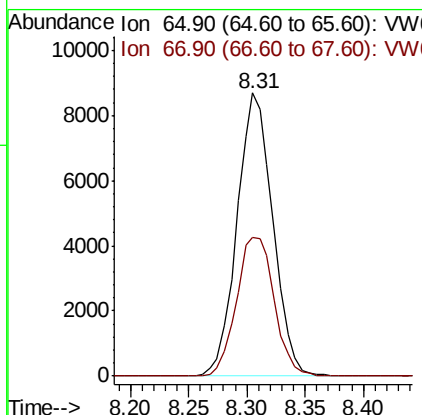
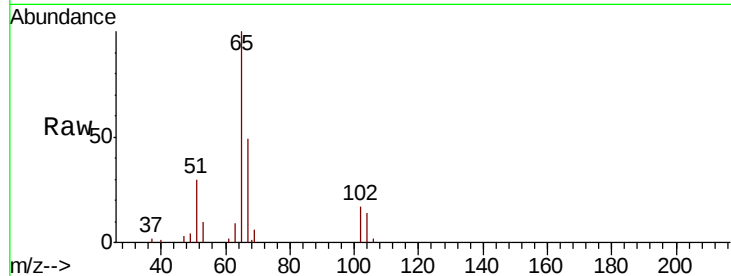




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.665 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VW007032.D  
 Acq: 22 Nov 2018 07:08

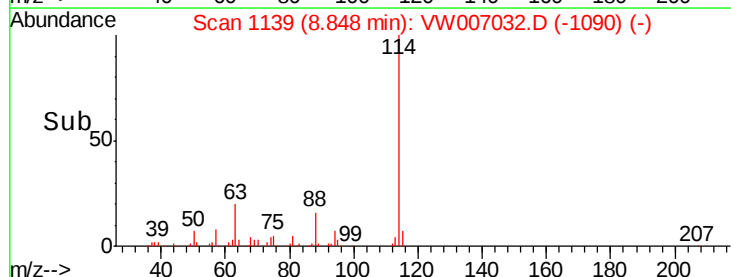
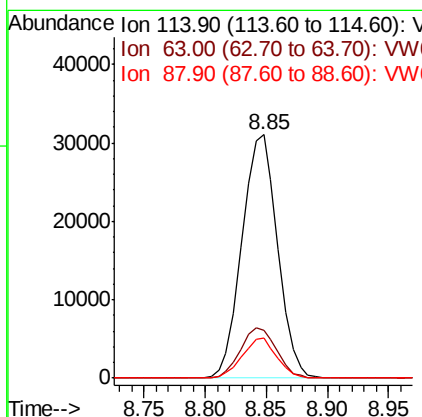
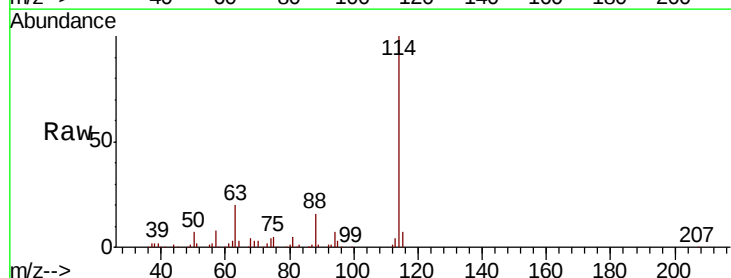
Instrument :  
 MSVOA\_W  
 ClientSampleId :

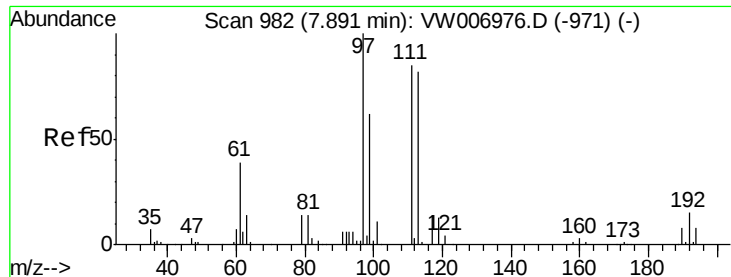
Tot Ion: 65 Resp: 18614  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW007032.D  
 Acq: 22 Nov 2018 07:08

Tgt Ion: 114 Resp: 62808  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 39.4  
 88 16.4 0.0 34.2

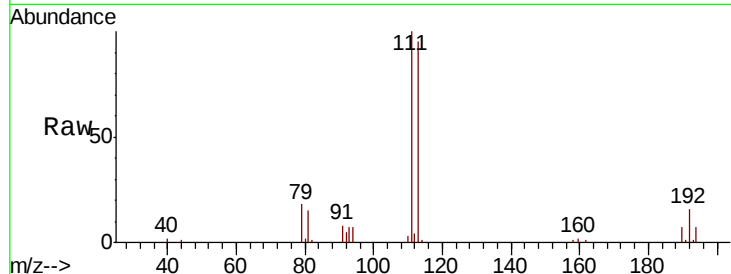




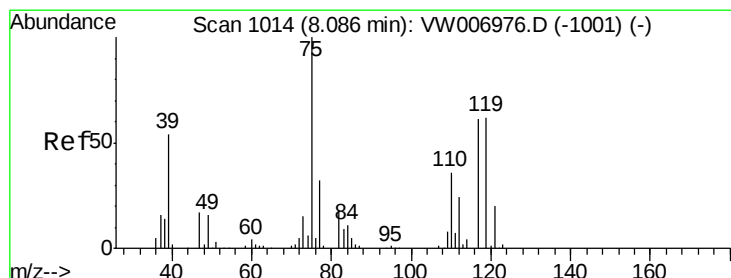
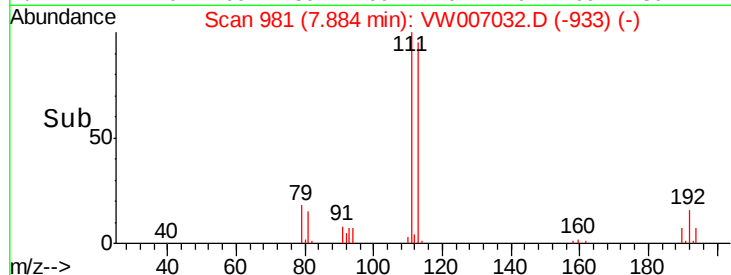
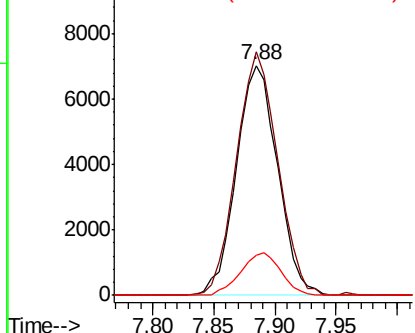
#35  
 Dibromofluoromethane  
 Concen: 46.381 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW007032.D  
 Acq: 22 Nov 2018 07:08

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Tot Ion:113 Resp: 16451  
 Ion Ratio Lower Upper  
 113 100  
 111 105.7 81.0 121.6  
 192 18.1 15.0 22.6

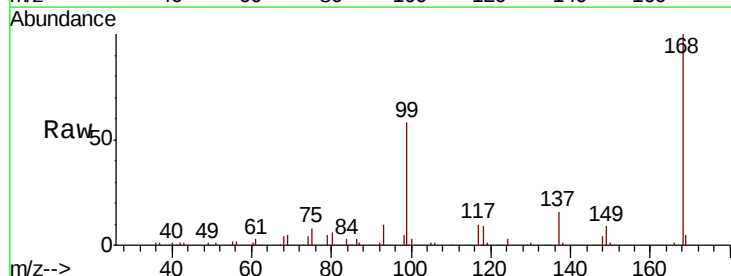


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

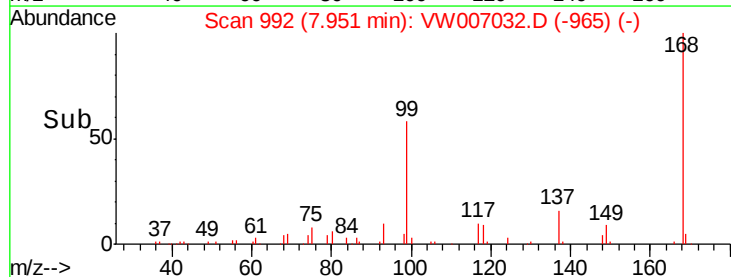
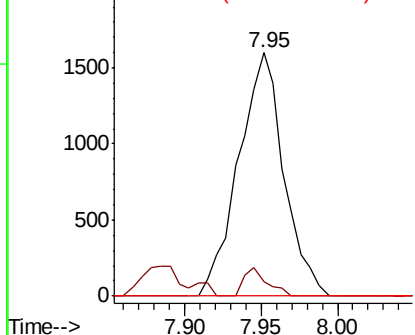


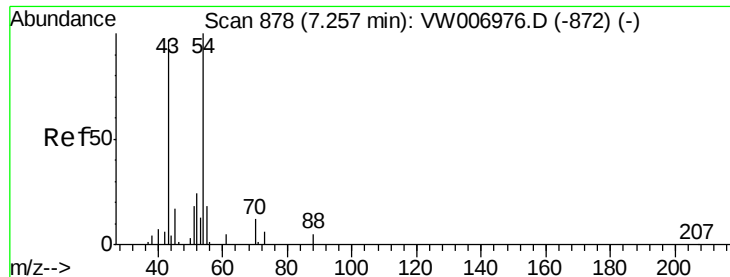
#36  
 1,1-Dichloropropene  
 Concen: 5.342 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.13 min  
 Lab File: VW007032.D  
 Acq: 22 Nov 2018 07:08

Tgt Ion: 75 Resp: 3279  
 Ion Ratio Lower Upper  
 75 100  
 110 6.0 18.0 54.0#  
 77 0.0 24.9 37.3#



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

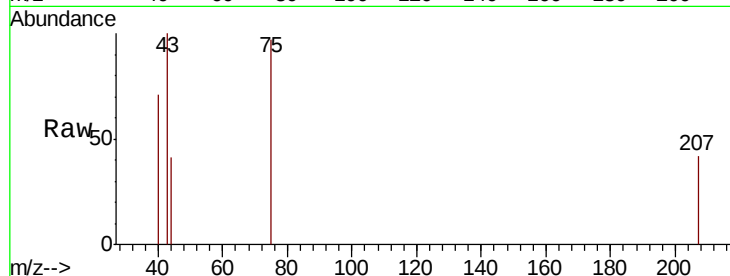




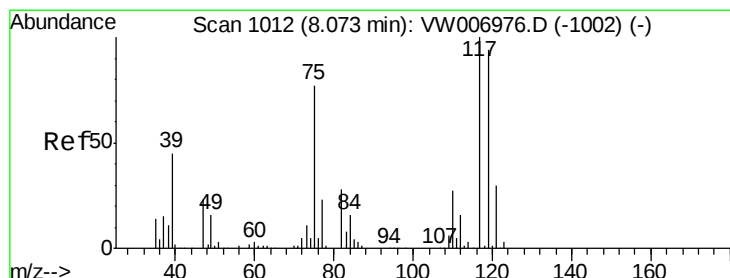
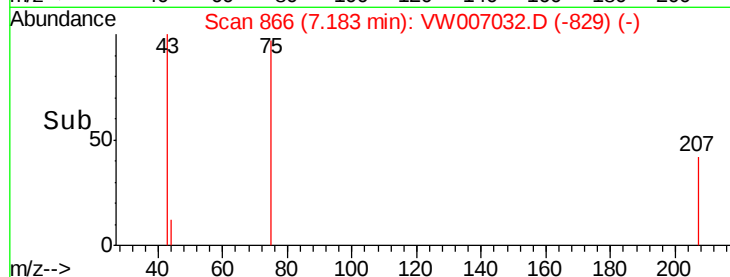
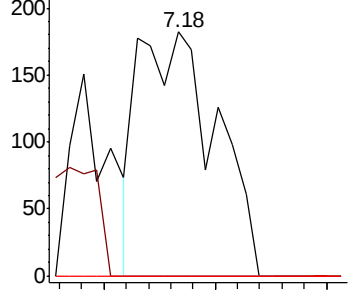
#37  
Ethyl Acetate  
Concen: 1.987 ug/l  
RT: 7.18 min Scan# 866  
Delta R.T. -0.07 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 43 Resp: 442  
Ion Ratio Lower Upper  
43 100  
61 0.0 10.4 15.6#  
70 0.0 8.8 13.2#

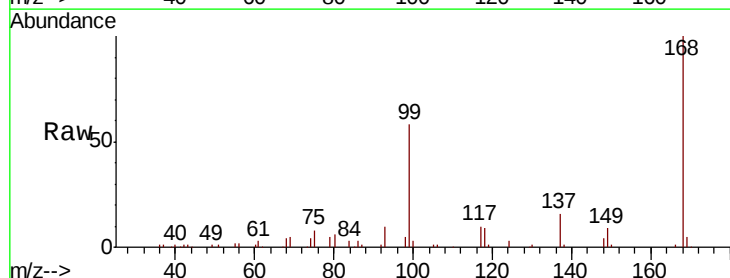


Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 70.00 (69.70 to 70.70): VW

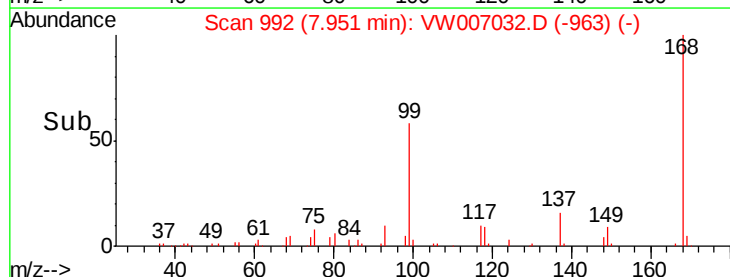
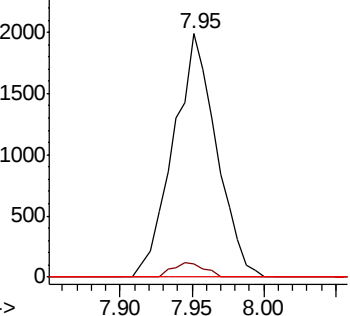


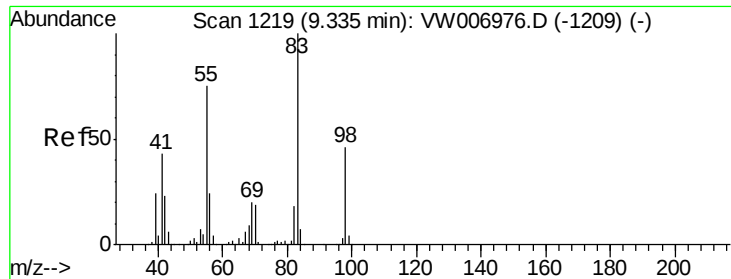
#38  
Carbon Tetrachloride  
Concen: 7.024 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.12 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

Tgt Ion: 117 Resp: 4128  
Ion Ratio Lower Upper  
117 100  
119 5.2 74.9 112.3#  
121 0.0 23.6 35.4#



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

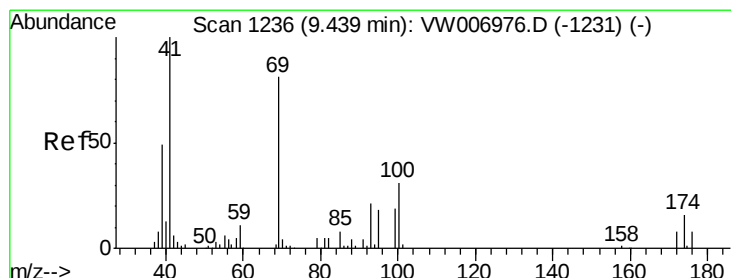
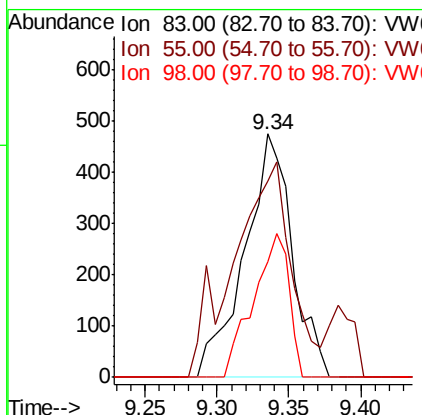
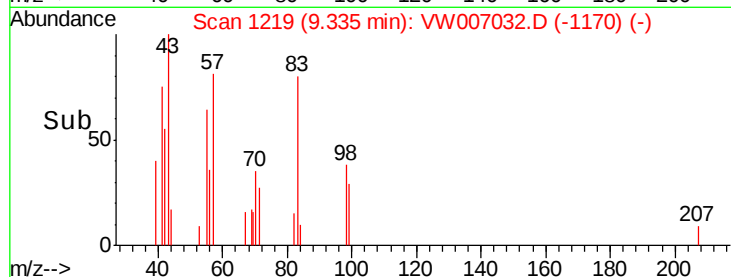
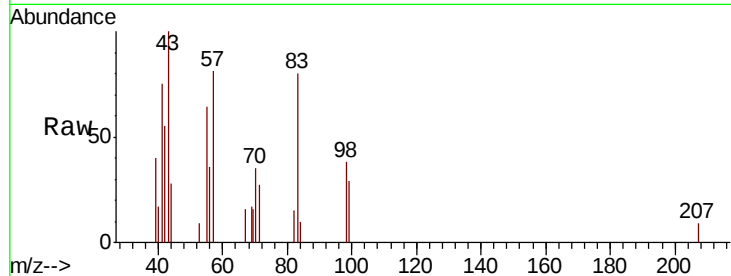




#39  
Methylcyclohexane  
Concen: 1.410 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

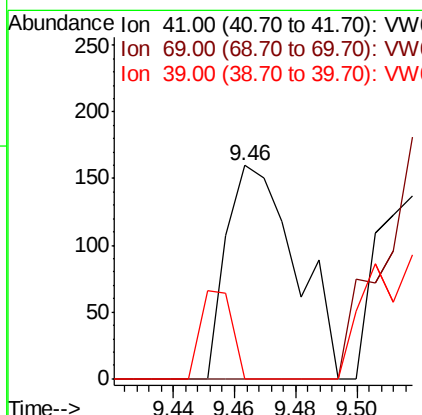
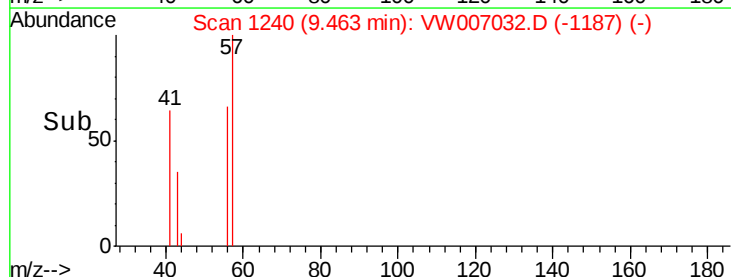
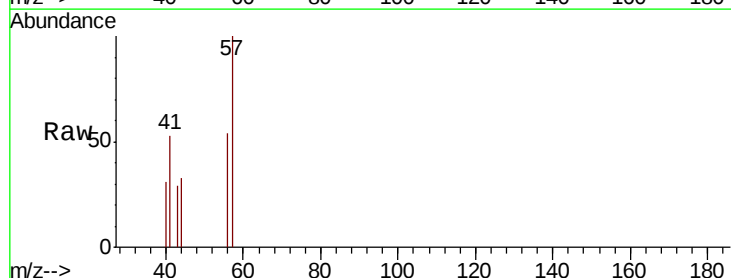
Instrument :  
MSVOA\_W  
ClientSampled :

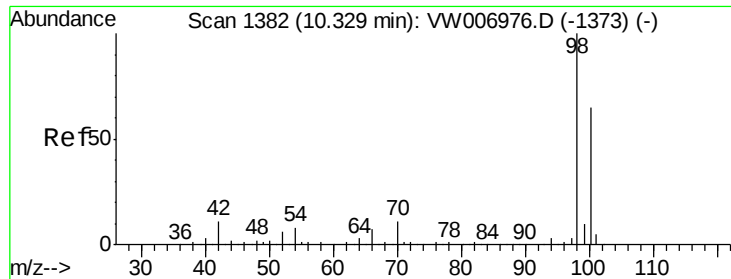
Tot Ion: 83 Resp: 1083  
Ion Ratio Lower Upper  
83 100  
55 80.6 59.6 89.4  
98 47.5 37.1 55.7



#48  
Methyl methacrylate  
Concen: 1.228 ug/l  
RT: 9.46 min Scan# 1240  
Delta R.T. 0.02 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

Tgt Ion: 41 Resp: 251  
Ion Ratio Lower Upper  
41 100  
69 0.0 71.4 107.0#  
39 19.1 44.8 67.2#





#50

Toluene-d8

Concen: 43.497 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007032.D

Acq: 22 Nov 2018 07:08

Instrument :

MSVOA\_W

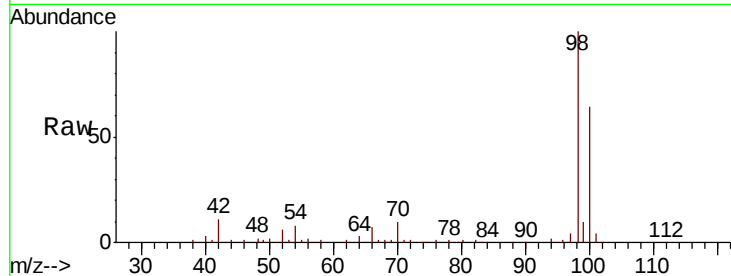
ClientSampleId :

Tot Ion: 98 Resp: 68128

Ion Ratio Lower Upper

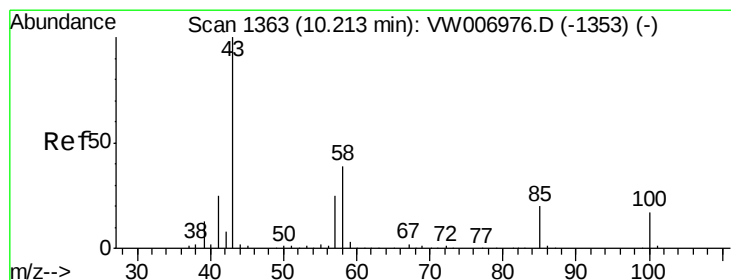
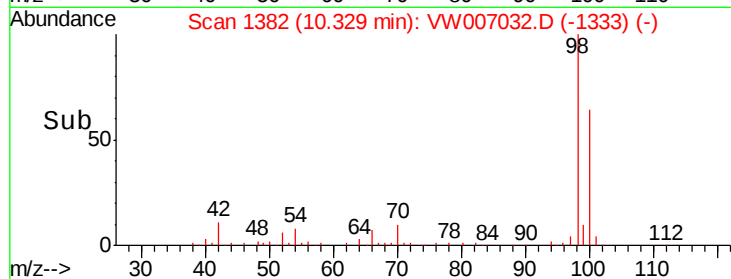
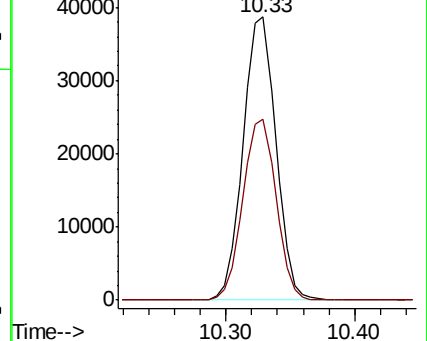
98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.896 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007032.D

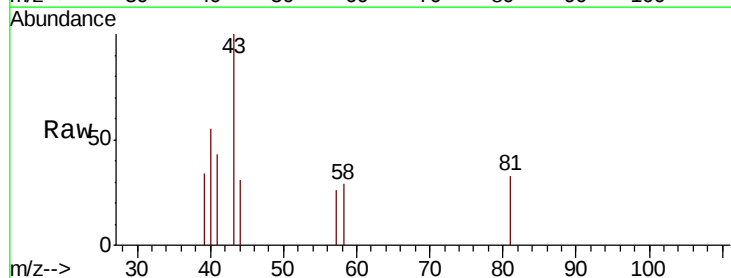
Acq: 22 Nov 2018 07:08

Tgt Ion: 43 Resp: 406

Ion Ratio Lower Upper

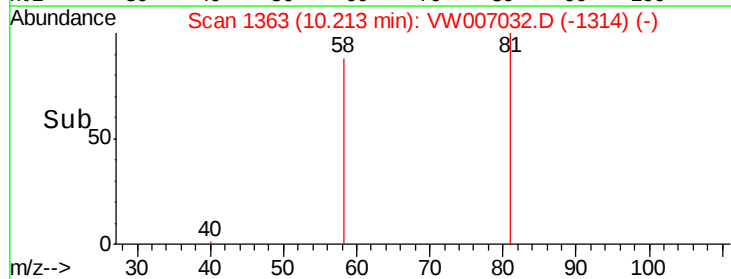
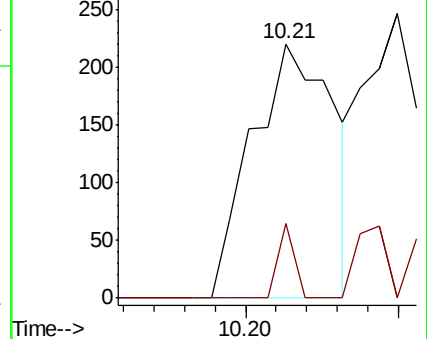
43 100

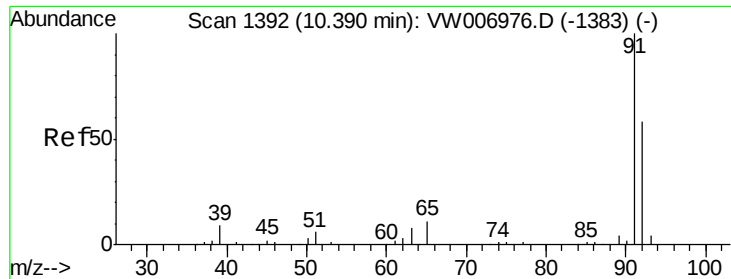
58 5.7 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 1.581 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007032.D

Acq: 22 Nov 2018 07:08

Instrument :

MSVOA\_W

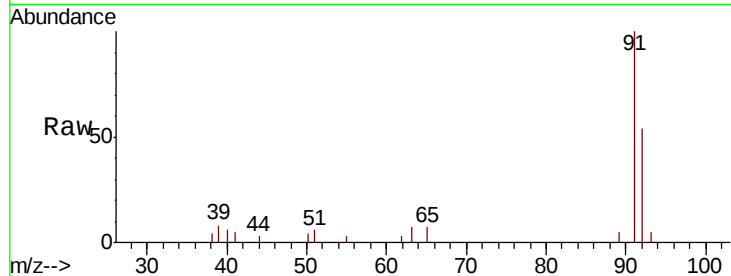
ClientSampleId :

Tot Ion: 92 Resp: 1783

Ion Ratio Lower Upper

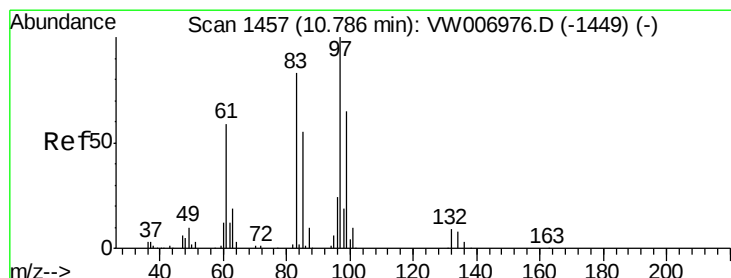
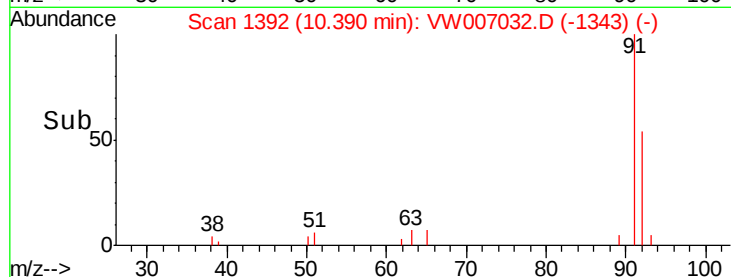
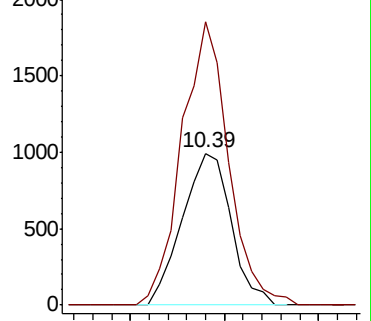
92 100

91 178.9 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#55

1,1,2-Trichloroethane

Concen: 2.951 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW007032.D

Acq: 22 Nov 2018 07:08

Tgt Ion: 97 Resp: 888

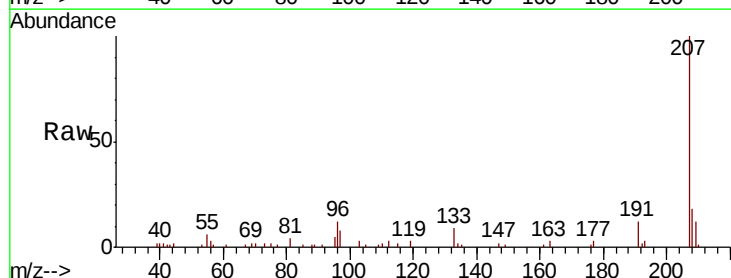
Ion Ratio Lower Upper

97 100

83 0.0 66.4 99.6#

85 13.8 44.1 66.1#

99 0.0 51.7 77.5#

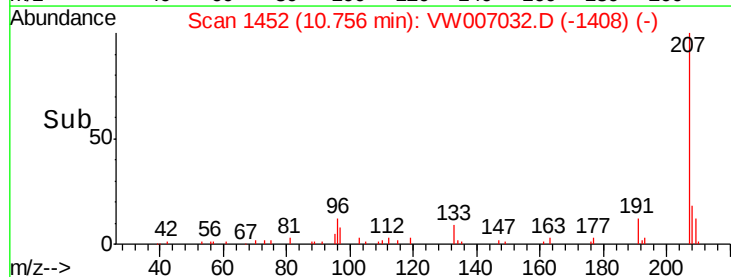
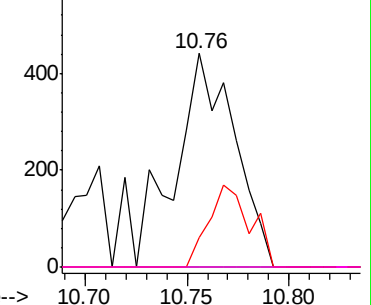


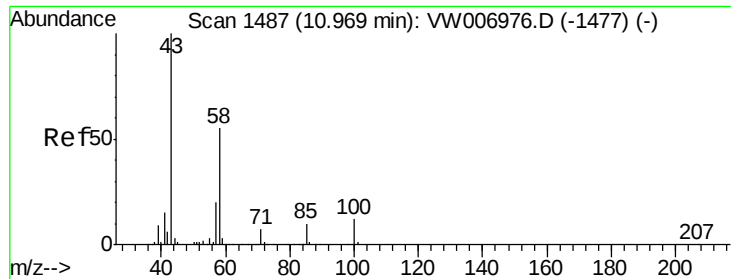
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

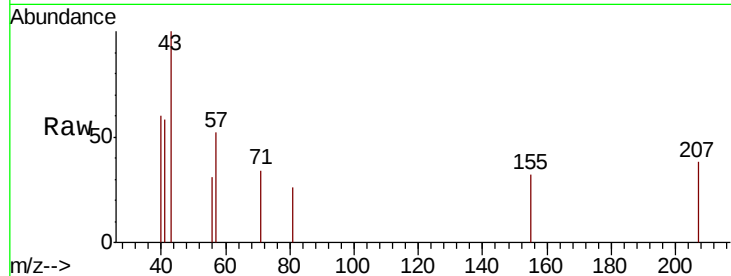




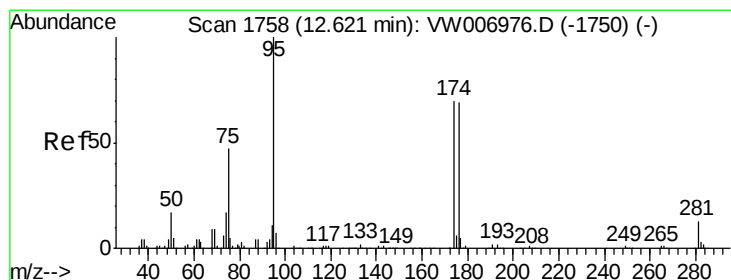
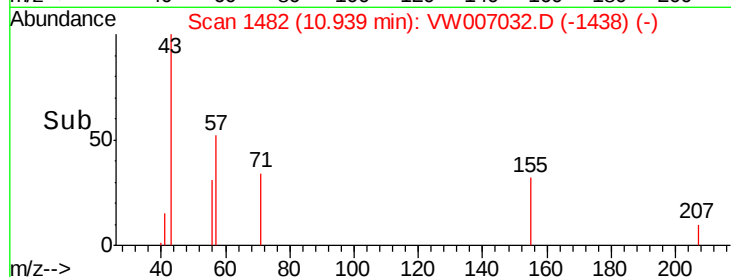
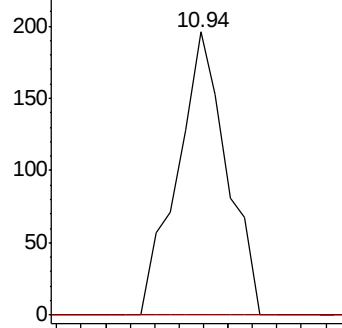
#59  
2-Hexanone  
Concen: 1.882 ug/l  
RT: 10.94 min Scan# 1482  
Delta R.T. -0.03 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 43 Resp: 276  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.3 81.8#

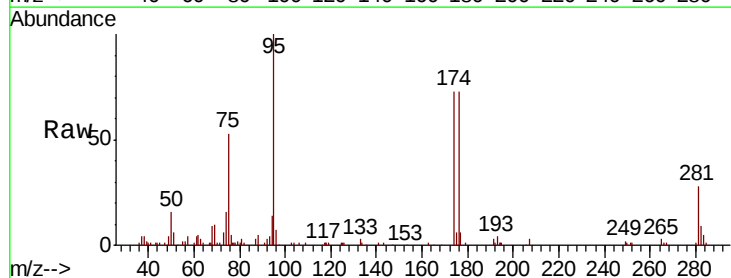


Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 58.00 (57.70 to 58.70): VW

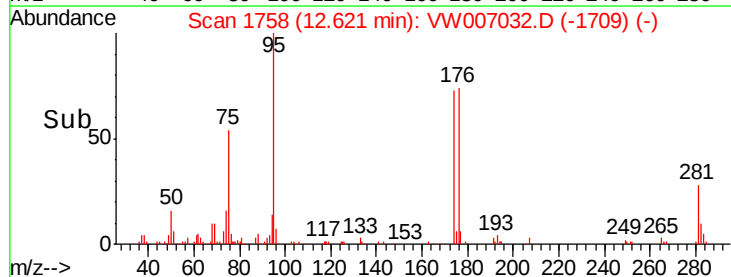
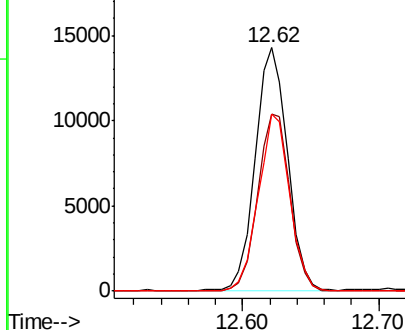


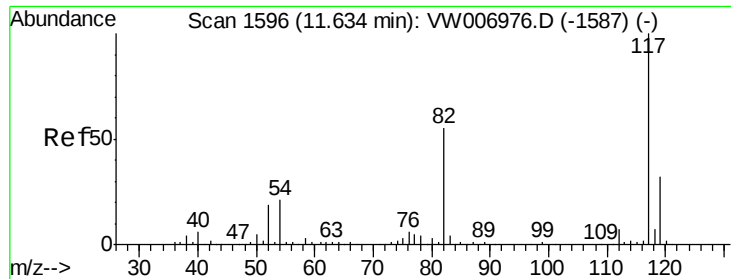
#62  
4-Bromofluorobenzene  
Concen: 38.814 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

Tgt Ion: 95 Resp: 23923  
Ion Ratio Lower Upper  
95 100  
174 71.9 0.0 143.6  
176 70.1 0.0 140.4



Abundance Ion 94.90 (94.60 to 95.60): VW  
Ion 173.80 (173.50 to 174.50): V  
Ion 175.80 (175.50 to 176.50): V

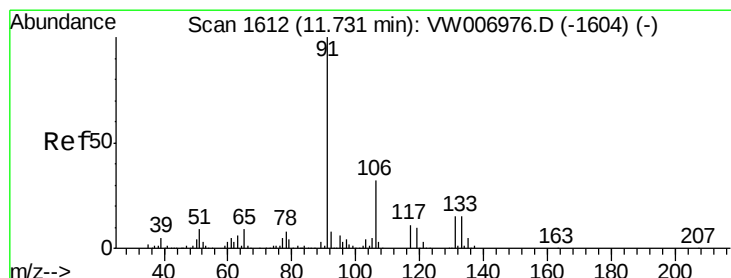
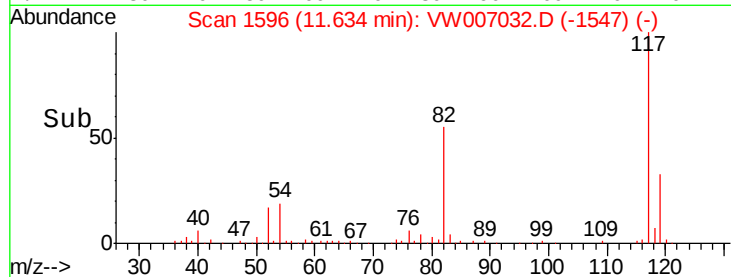
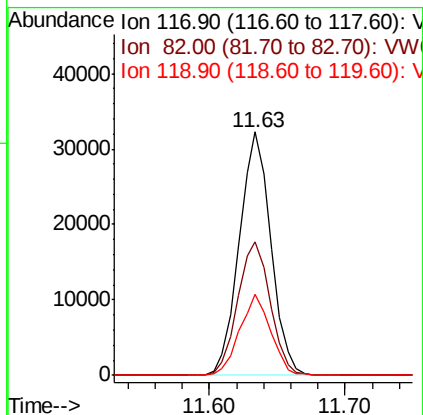
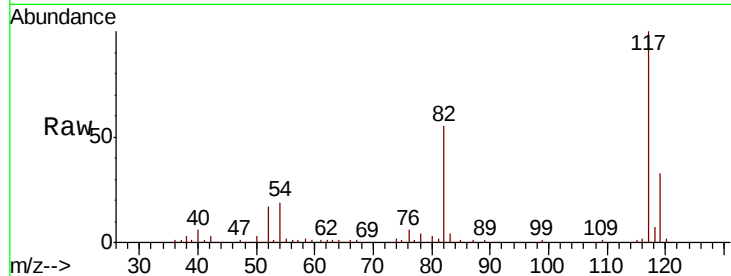




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

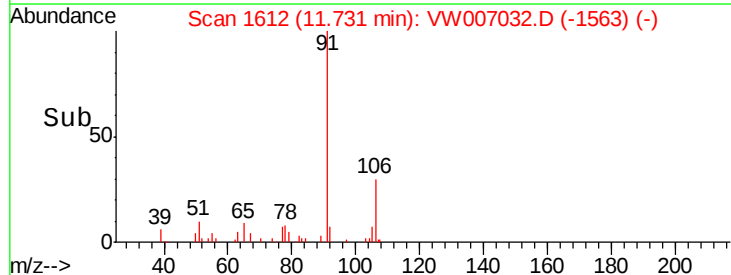
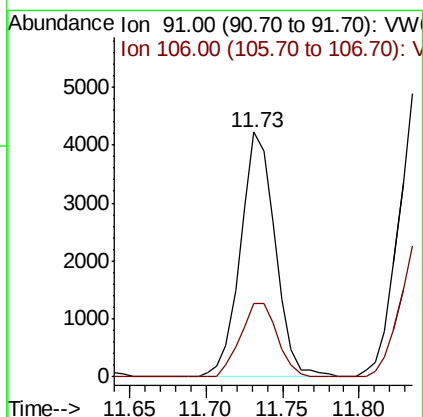
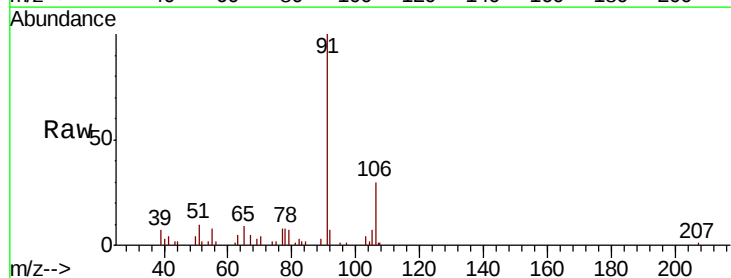
Instrument :  
MSVOA\_W  
ClientSampled :

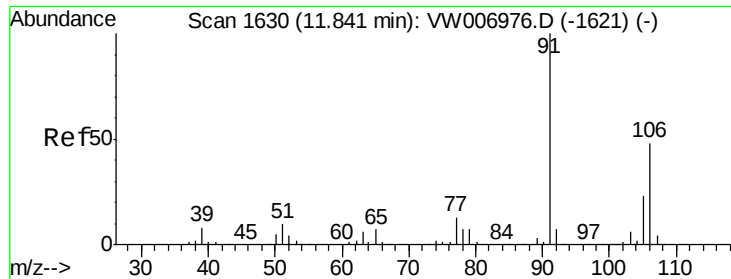
Tot Ion:117 Resp: 52437  
Ion Ratio Lower Upper  
117 100  
82 55.0 44.2 66.2  
119 33.0 25.9 38.9



#67  
Ethyl Benzene  
Concen: 3.318 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

Tgt Ion: 91 Resp: 6671  
Ion Ratio Lower Upper  
91 100  
106 30.1 25.4 38.2

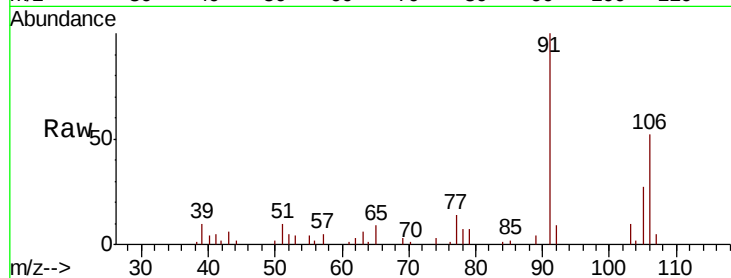




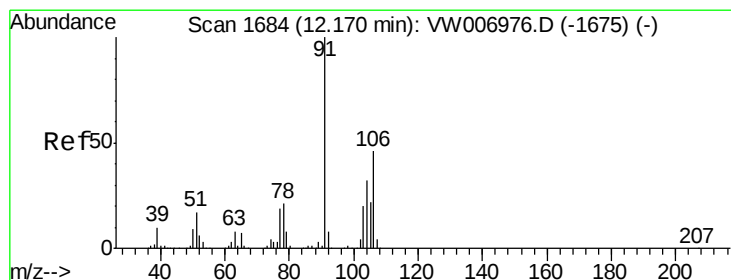
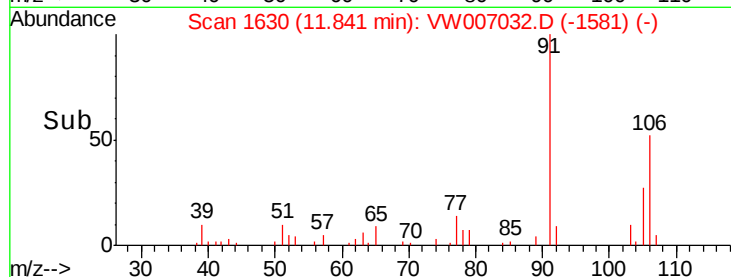
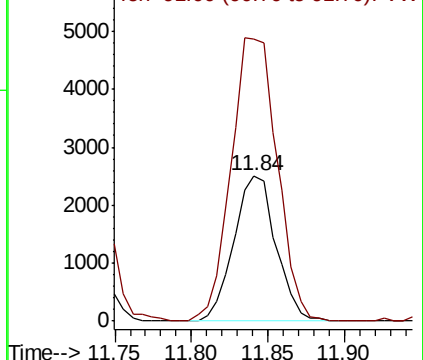
#68  
m/p-Xylenes  
Concen: 6.053 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion:106 Resp: 4775  
Ion Ratio Lower Upper  
106 100  
91 213.7 164.8 247.2

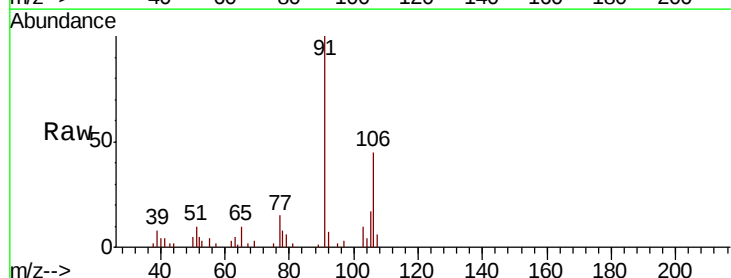


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VW

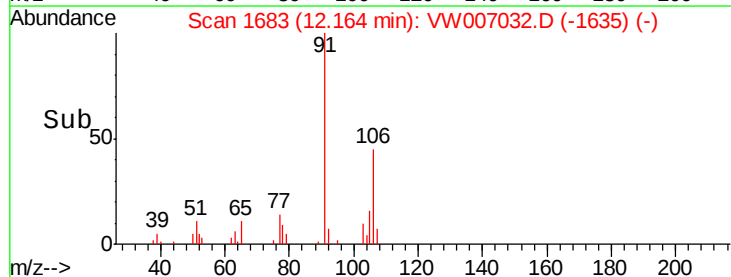
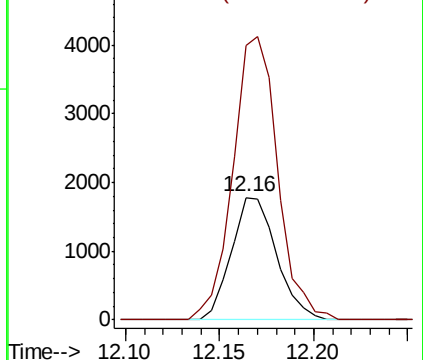


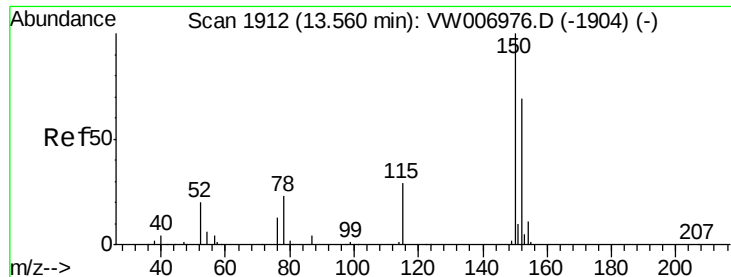
#69  
o-Xylene  
Concen: 3.973 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

Tgt Ion:106 Resp: 2955  
Ion Ratio Lower Upper  
106 100  
91 229.3 107.9 323.8



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VW



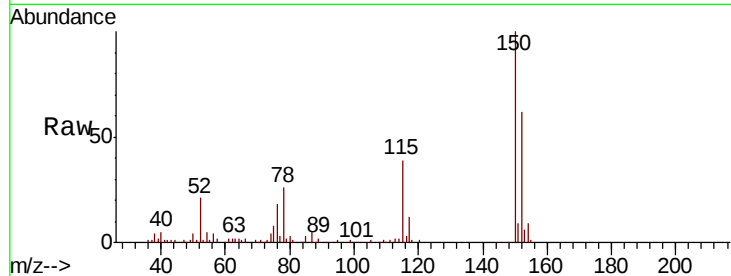


#72

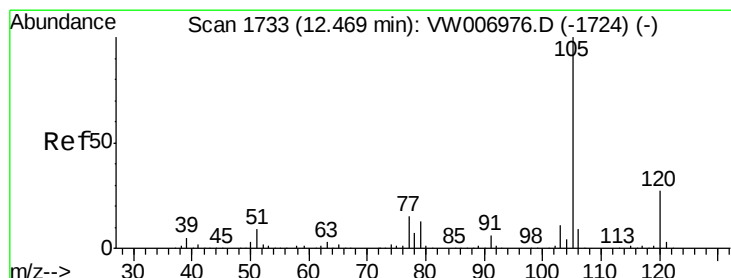
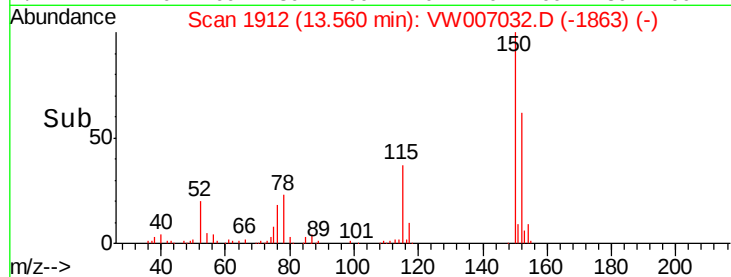
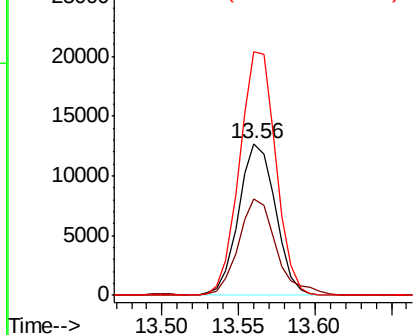
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion:152 Resp: 21291  
Ion Ratio Lower Upper  
152 100  
115 65.2 31.4 94.2  
150 157.6 0.0 353.4



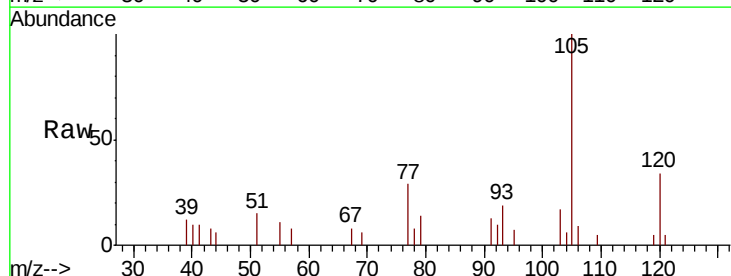
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



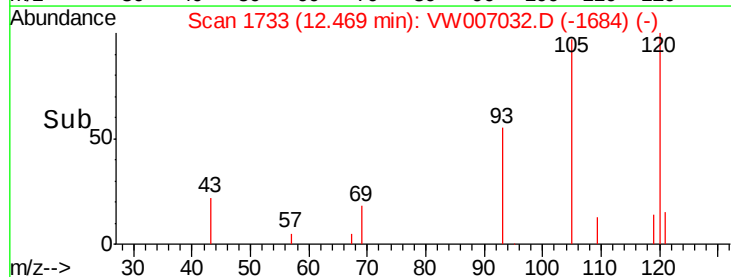
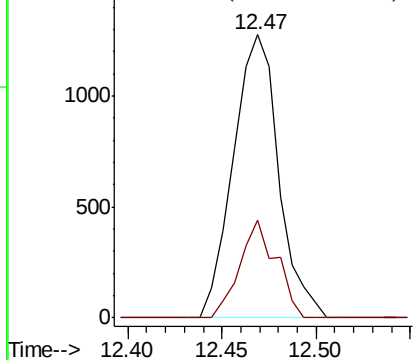
#73

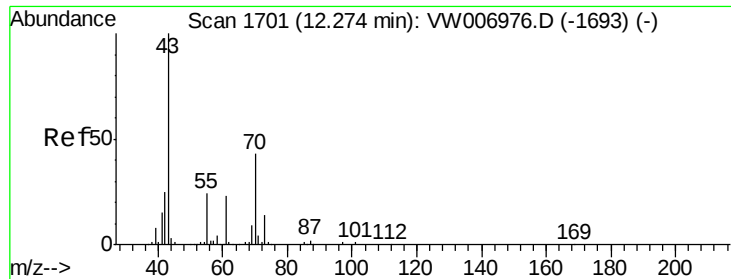
Isopropylbenzene  
Concen: 1.291 ug/l  
RT: 12.47 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

Tgt Ion:105 Resp: 2136  
Ion Ratio Lower Upper  
105 100  
120 27.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.363 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW007032.D

Acq: 22 Nov 2018 07:08

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 43 Resp: 378

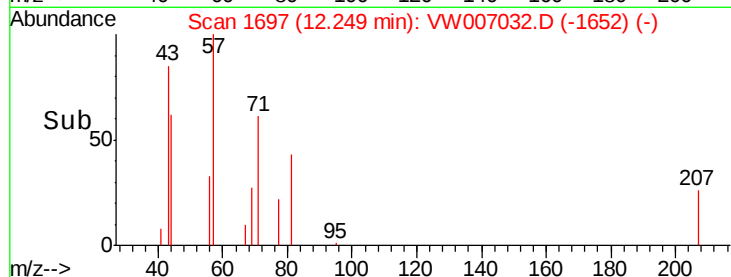
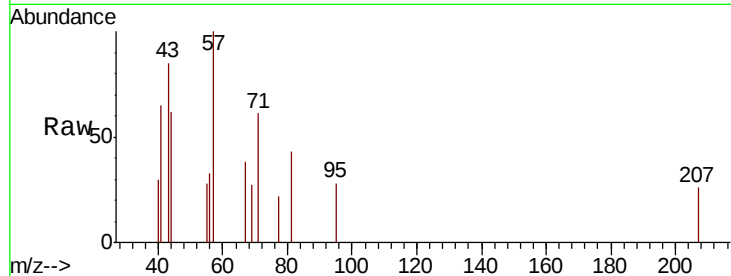
Ion Ratio Lower Upper

43 100

70 5.3 34.0 51.0#

55 14.0 19.4 29.0#

61 0.0 19.4 29.2#

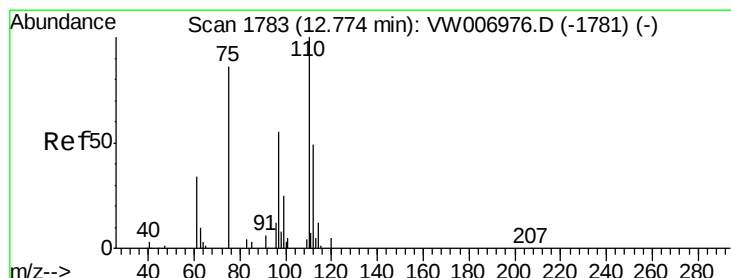
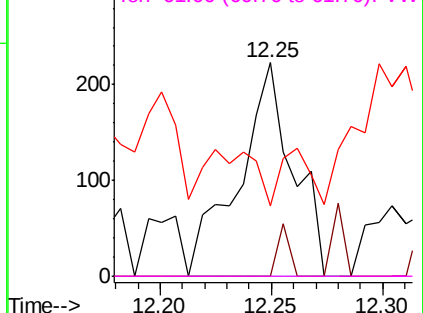


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 69.897 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007032.D

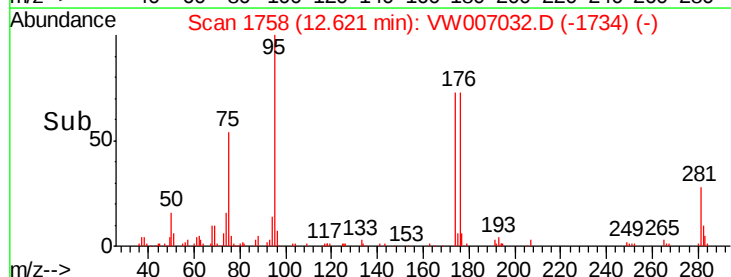
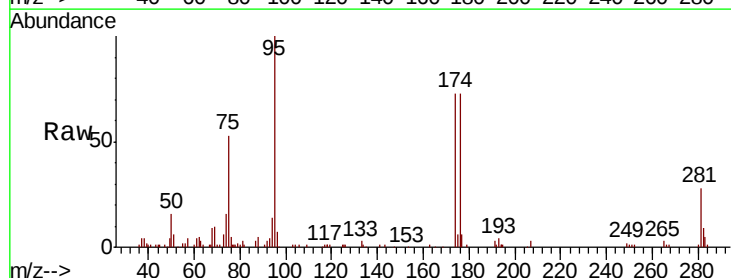
Acq: 22 Nov 2018 07:08

Tgt Ion: 75 Resp: 11694

Ion Ratio Lower Upper

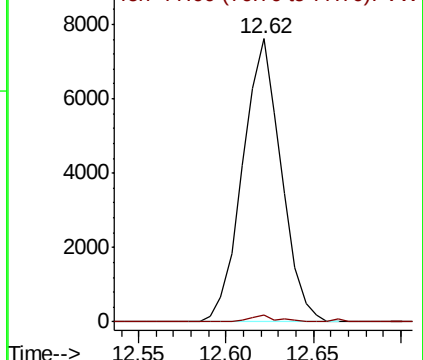
75 100

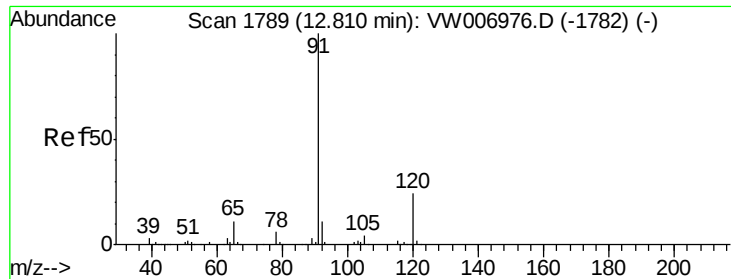
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

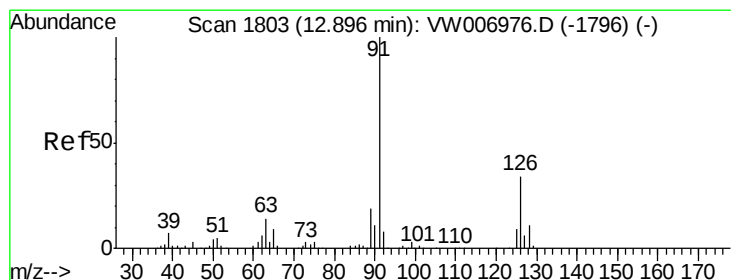
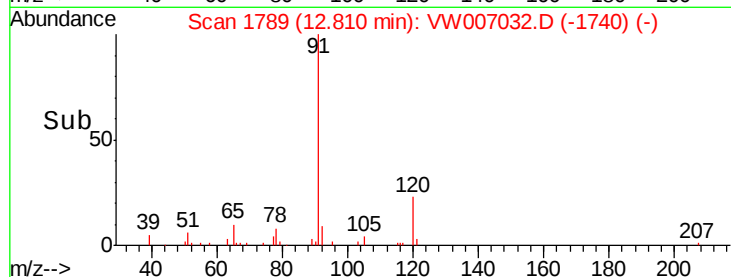
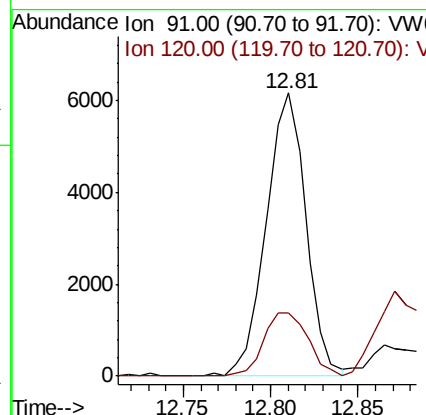
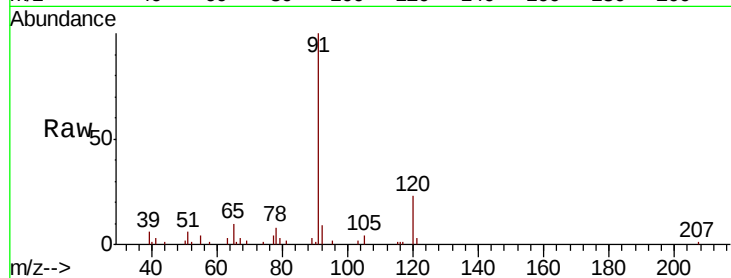




#78  
n-propylbenzene  
Concen: 4.866 ug/l  
RT: 12.81 min Scan# 1789  
Delta R.T. -0.00 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

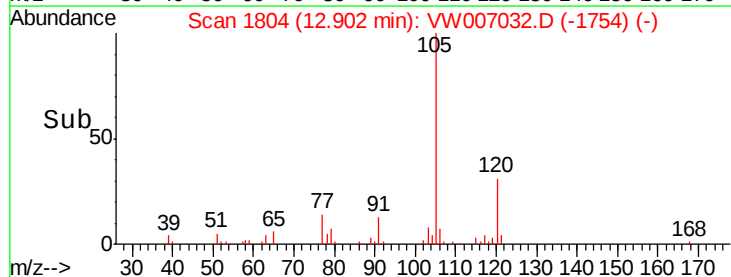
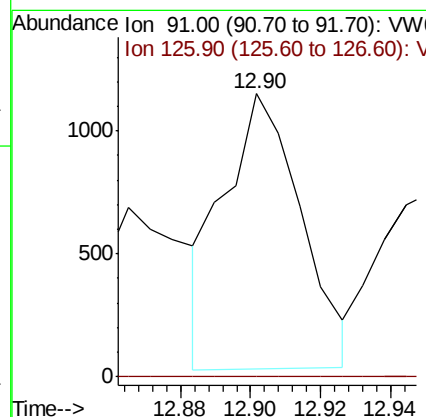
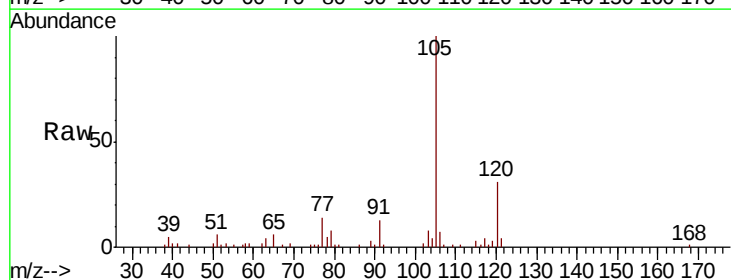
Instrument :  
MSVOA\_W  
ClientSampleId :

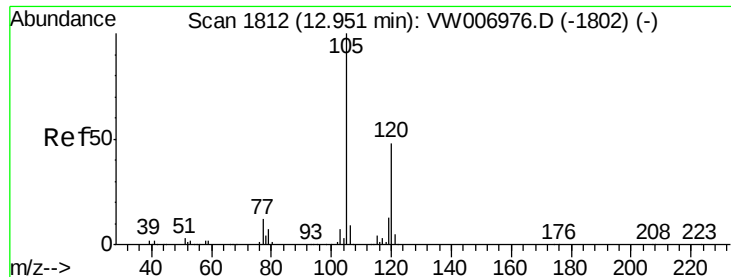
Tot Ion: 91 Resp: 9753  
Ion Ratio Lower Upper  
91 100  
120 24.9 11.7 35.1



#79  
2-Chlorotoluene  
Concen: 1.480 ug/l  
RT: 12.90 min Scan# 1804  
Delta R.T. 0.01 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

Tgt Ion: 91 Resp: 1710  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.7 50.0#

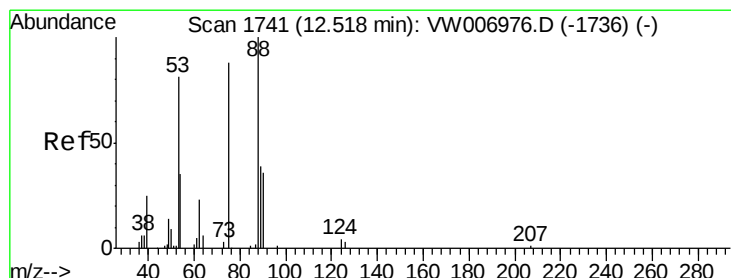
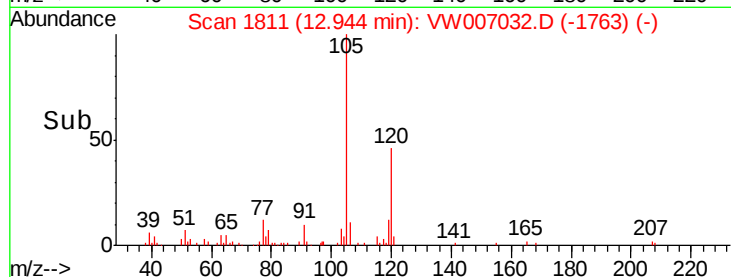
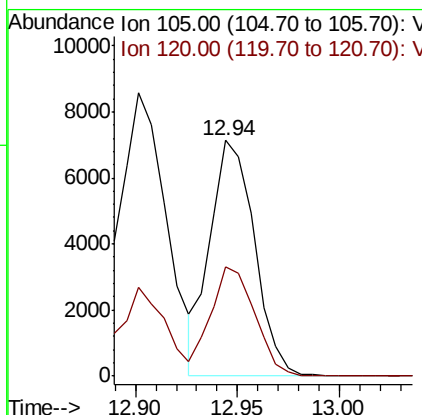
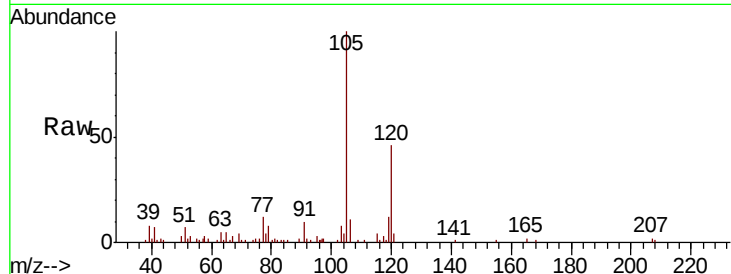




#80  
 1,3,5-Trimethylbenzene  
 Concen: 7.531 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. -0.01 min  
 Lab File: VW007032.D  
 Acq: 22 Nov 2018 07:08

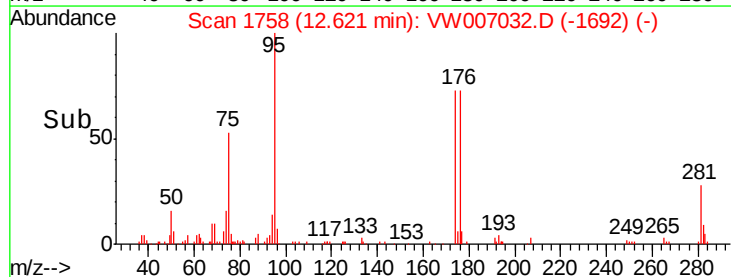
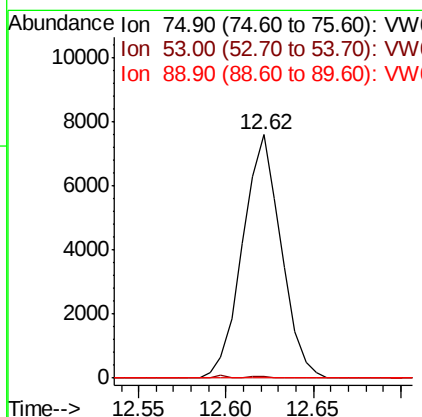
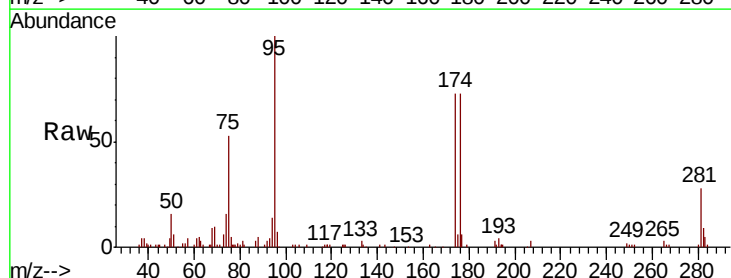
Instrument :  
 MSVOA\_W  
 ClientSampled :

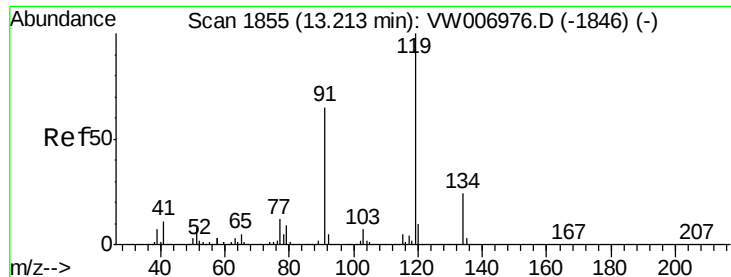
Tot Ion:105 Resp: 10776  
 Ion Ratio Lower Upper  
 105 100  
 120 46.1 23.8 71.2



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 175.483 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.10 min  
 Lab File: VW007032.D  
 Acq: 22 Nov 2018 07:08

Tgt Ion: 75 Resp: 11694  
 Ion Ratio Lower Upper  
 75 100  
 53 0.3 77.6 116.4#  
 89 0.0 39.3 58.9#

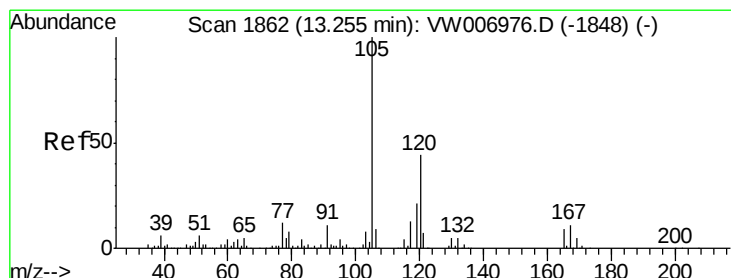
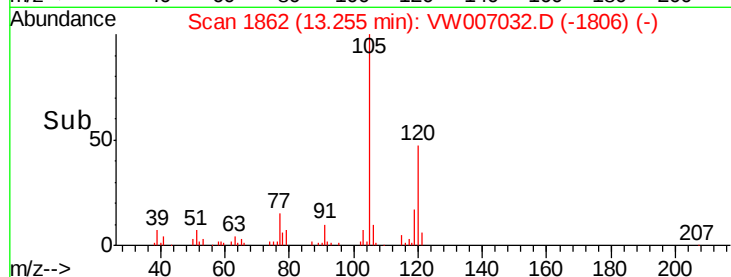
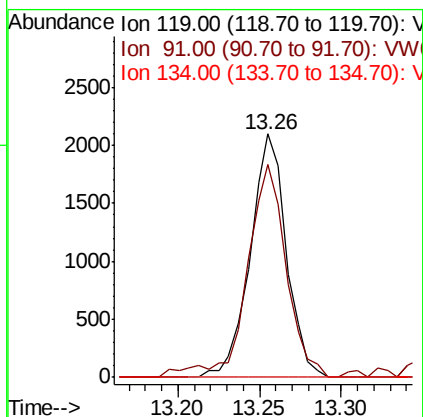
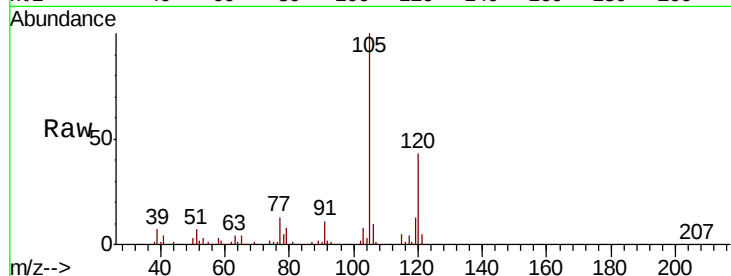




#83  
tert-Butylbenzene  
Concen: 2.610 ug/l  
RT: 13.26 min Scan# 1862  
Delta R.T. 0.04 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

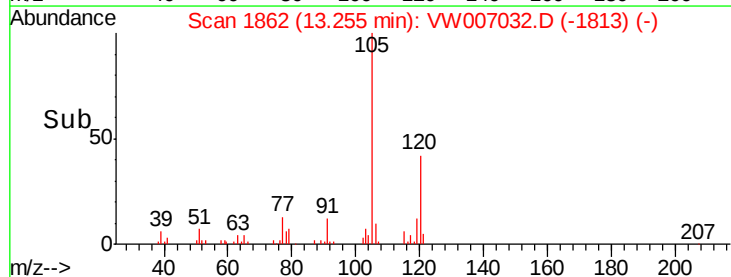
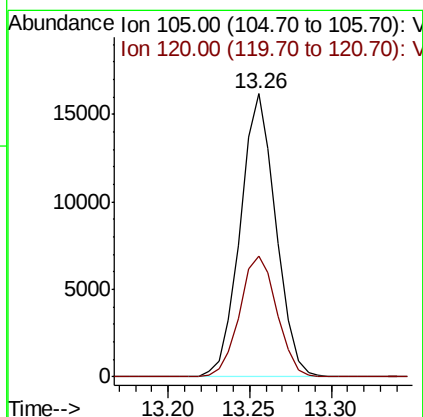
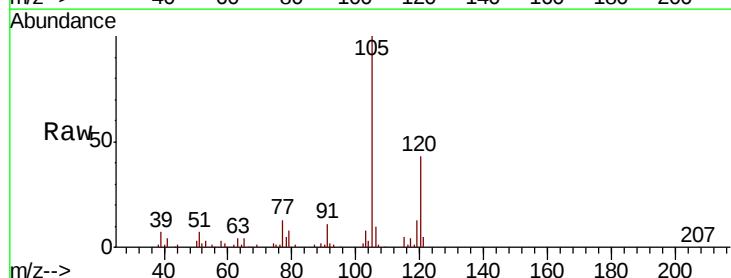
Instrument :  
MSVOA\_W  
ClientSampled :

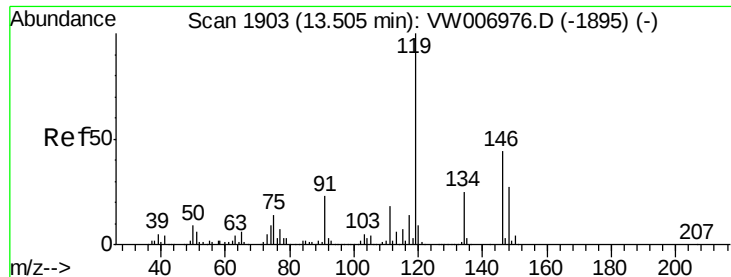
Tot Ion:119 Resp: 3234  
Ion Ratio Lower Upper  
119 100  
91 94.9 33.5 100.5  
134 0.0 12.6 37.8#



#84  
1,2,4-Trimethylbenzene  
Concen: 17.180 ug/l  
RT: 13.26 min Scan# 1862  
Delta R.T. -0.00 min  
Lab File: VW007032.D  
Acq: 22 Nov 2018 07:08

Tgt Ion:105 Resp: 24493  
Ion Ratio Lower Upper  
105 100  
120 44.6 21.8 65.3

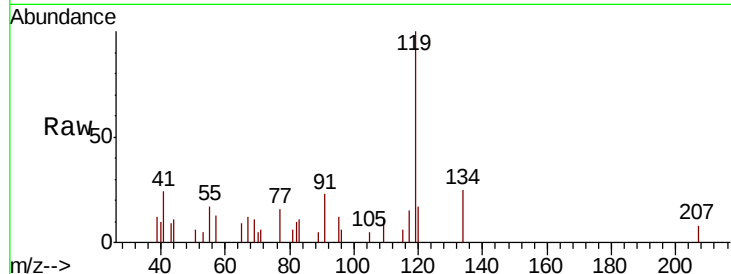




#86  
 p-Isopropyltoluene  
 Concen: 1.183 ug/l  
 RT: 13.44 min Scan# 1893  
 Delta R.T. -0.06 min  
 Lab File: VW007032.D  
 Acq: 22 Nov 2018 07:08

Instrument :  
 MSVOA\_W  
 ClientSampleID :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 21.9  | 12.8  | 38.3  |
| 91      | 29.4  | 12.2  | 36.6  |

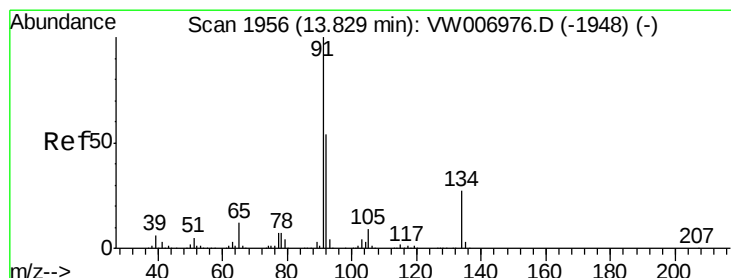
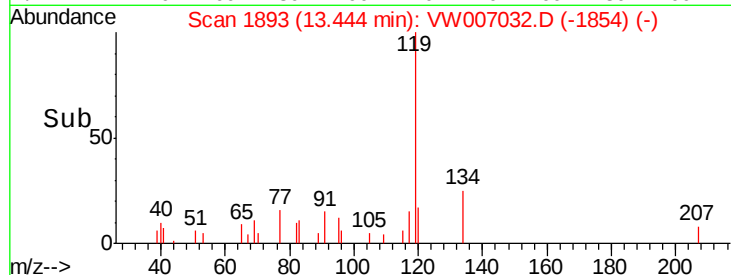
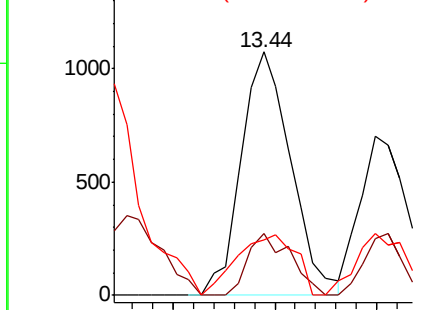


Abundance

Ion 119.00 (118.70 to 119.70): VW

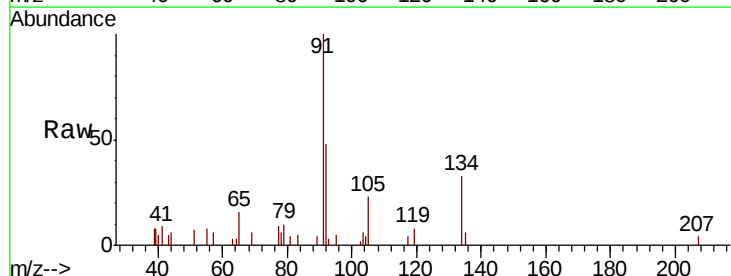
Ion 134.00 (133.70 to 134.70): VW

Ion 91.00 (90.70 to 91.70): VW



#89  
 n-Butylbenzene  
 Concen: 2.208 ug/l  
 RT: 13.83 min Scan# 1956  
 Delta R.T. -0.00 min  
 Lab File: VW007032.D  
 Acq: 22 Nov 2018 07:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 65.7  | 26.8  | 80.4  |
| 134     | 0.0   | 13.3  | 39.8  |

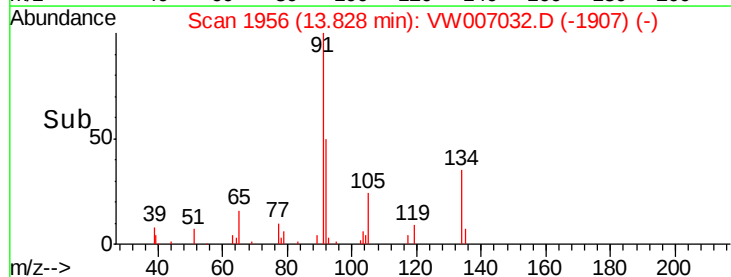
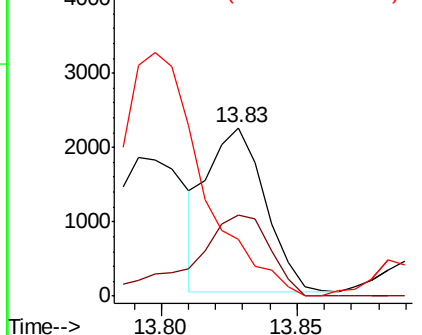


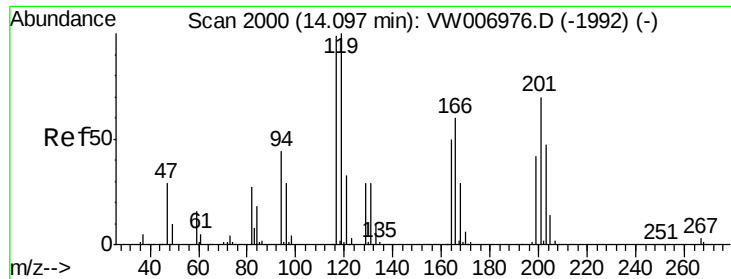
Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW





#90

Hexachloroethane

Concen: 16.986 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007032.D

Acq: 22 Nov 2018 07:08

Instrument :

MSVOA\_W

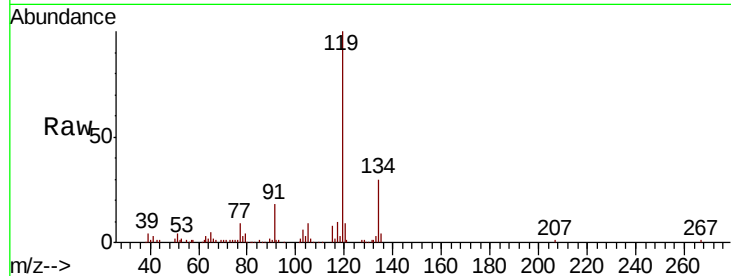
ClientSampleId :

Tot Ion:117 Resp: 3829

Ion Ratio Lower Upper

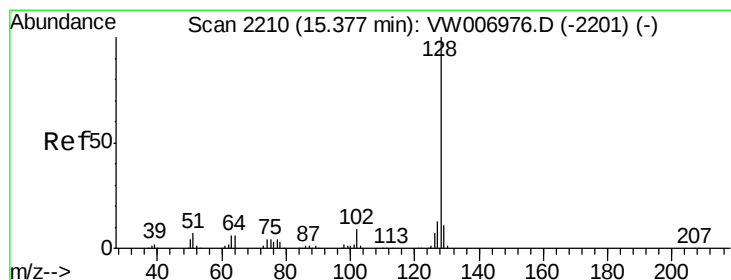
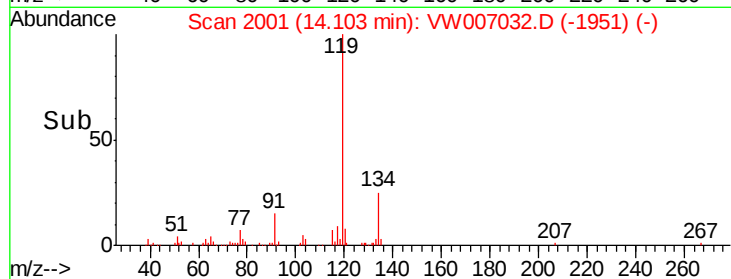
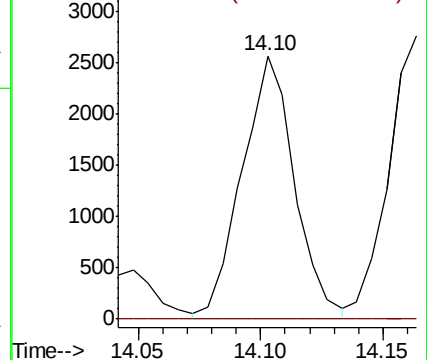
117 100

201 0.0 35.9 107.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 8.122 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007032.D

Acq: 22 Nov 2018 07:08

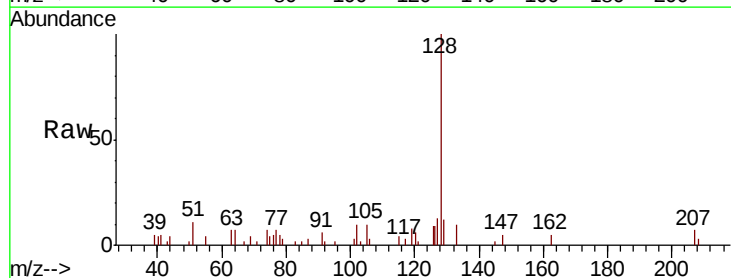
Tgt Ion:128 Resp: 6181

Ion Ratio Lower Upper

128 100

127 15.6 10.5 15.7

129 15.4 8.7 13.1#



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

