

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\  
 Data File : VW004139.D  
 Acq On : 23 Jul 2018 16:03  
 Operator : SY/AP  
 Sample : J4030-13  
 Misc : 3.63G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 24 04:44:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W071618S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 16 15:06:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 9584     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 11923    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 3371     | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 478      | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 6465     | 60.35 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 120.70% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 6836     | 89.36 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 178.72% |          |
| 50) Toluene-d8              | 10.33 | 98   | 6334     | 21.34 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 42.68%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 567      | 5.30  | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 10.60%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 2.20  | 50   | 87       | 1.228     | ug/l # | 1      |
| 5) Bromomethane                | 2.76  | 94   | 98       | 1.609     | ug/l   | 97     |
| 6) Chloroethane                | 2.90  | 64   | 78       | 1.409     | ug/l # | 44     |
| 11) Tert butyl alcohol         | 5.17  | 59   | 22       | 2.975     | ug/l # | 72     |
| 13) Acrolein                   | 3.62  | 56   | 27       | 3.553     | ug/l # | 13     |
| 16) Acetone                    | 4.12  | 43   | 9680     | 376.021   | ug/l   | 98     |
| 17) Carbon Disulfide           | 4.36  | 76   | 6115     | 21.034    | ug/l   | 96     |
| 18) Methyl Acetate             | 4.68  | 43   | 88       | 1.424     | ug/l # | 54     |
| 19) Methyl tert-butyl Ether    | 5.43  | 73   | 1237     | 6.930     | ug/l # | 84     |
| 20) Methylene Chloride         | 4.89  | 84   | 370      | Below Cal | #      | 57     |
| 25) 2-Butanone                 | 7.19  | 43   | 1007     | 29.068    | ug/l # | 90     |
| 26) 2,2-Dichloropropane        | 7.15  | 77   | 502      | 4.613     | ug/l # | 52     |
| 29) Tetrahydrofuran            | 7.51  | 42   | 26       | 1.205     | ug/l # | 36     |
| 31) Cyclohexane                | 7.96  | 56   | 2129     | 11.980    | ug/l # | 92     |
| 36) 1,1-Dichloropropene        | 7.96  | 75   | 865      | 7.051     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 990      | 8.637     | ug/l # | 13     |
| 39) Methylcyclohexane          | 9.34  | 83   | 2489     | 17.325    | ug/l # | 73     |
| 41) Methacrylonitrile          | 7.56  | 41   | 41       | 1.251     | ug/l # | 42     |
| 48) Methyl methacrylate        | 9.34  | 41   | 1602     | 29.933    | ug/l # | 65     |
| 55) 1,1,2-Trichloroethane      | 10.66 | 97   | 238      | 3.754     | ug/l # | 15     |
| 56) Ethyl methacrylate         | 10.67 | 69   | 22       | 3.174     | ug/l # | 1      |
| 59) 2-Hexanone                 | 10.92 | 43   | 127      | 3.056     | ug/l # | 26     |
| 68) m/p-Xylenes                | 11.85 | 106  | 74       | 1.538     | ug/l # | 62     |
| 69) o-Xylene                   | 12.17 | 106  | 62       | 1.389     | ug/l # | 1      |
| 74) N-amyl acetate             | 12.24 | 43   | 61       | 6.931     | ug/l # | 44     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 219      | 46.150    | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 90       | 3.166     | ug/l # | 28     |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 219      | 102.082   | ug/l # | 11     |
| 83) tert-Butylbenzene          | 13.26 | 119  | 50       | 2.095     | ug/l # | 26     |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 236      | 8.070     | ug/l # | 32     |
| 85) sec-Butylbenzene           | 13.26 | 105  | 236      | 6.665     | ug/l # | 57     |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 50       | 1.610     | ug/l # | 50     |
| 95) Naphthalene                | 15.37 | 128  | 51       | 2.736     | ug/l # | 69     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\  
Data File : VW004139.D  
Acq On : 23 Jul 2018 16:03  
Operator : SY/AP  
Sample : J4030-13  
Misc : 3.63G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Jul 24 04:44:32 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W071618S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 16 15:06:12 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

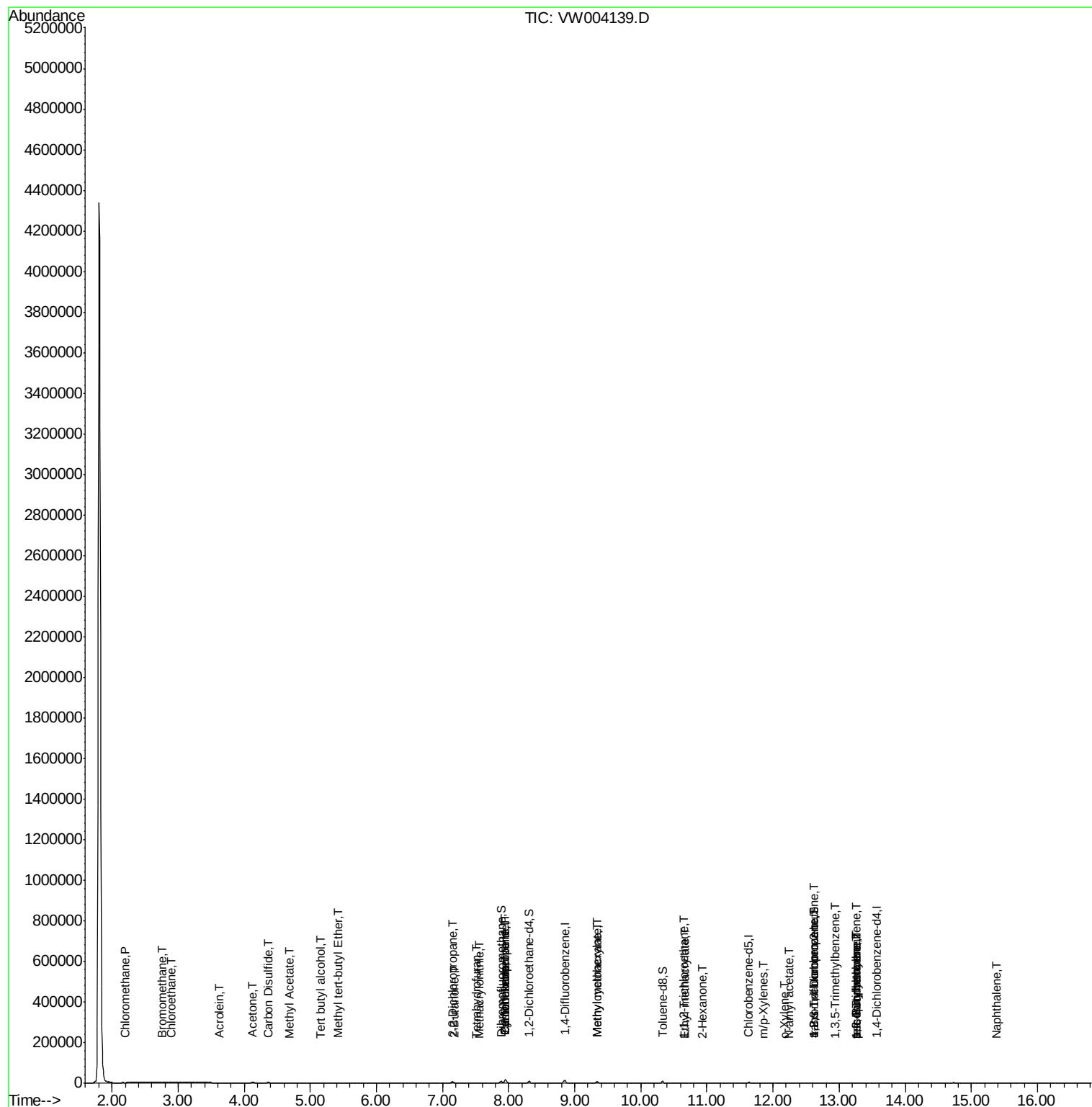
-----

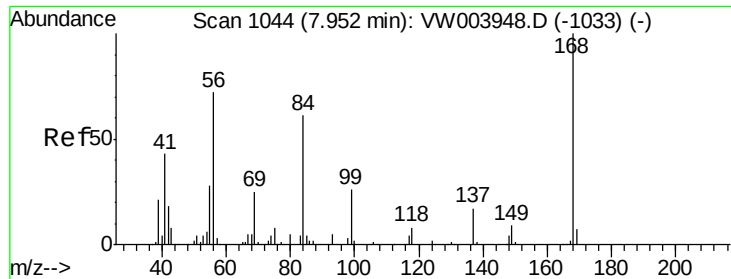
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072318\  
Data File : VW004139.D  
Acq On : 23 Jul 2018 16:03  
Operator : SY/AP  
Sample : J4030-13  
Misc : 3.63G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Jul 24 04:44:32 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W071618S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 16 15:06:12 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA\_W

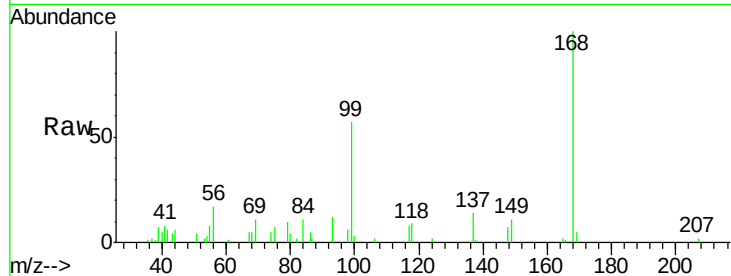
ClientSampleId :

Tot Ion:168 Resp: 9584

Ion Ratio Lower Upper

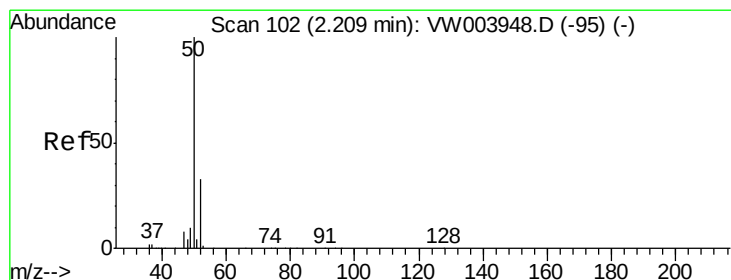
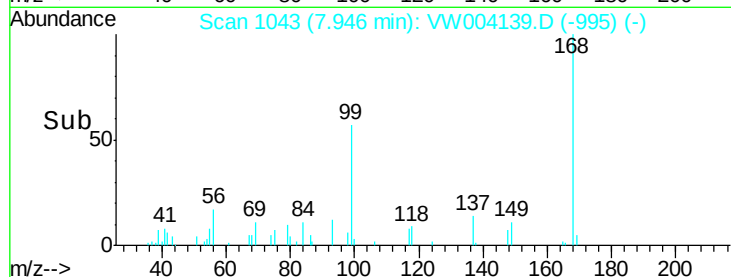
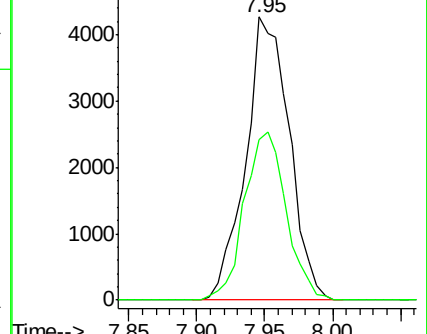
168 100

99 56.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.228 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW004139.D

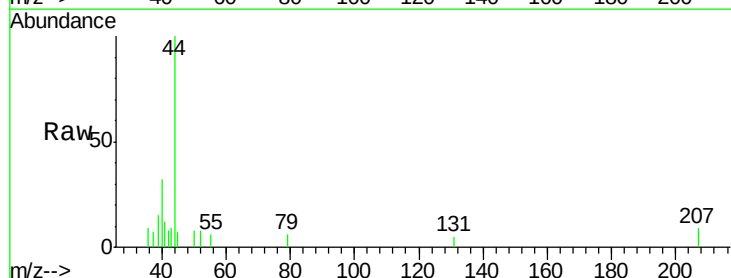
Acq: 23 Jul 2018 16:03

Tgt Ion: 50 Resp: 87

Ion Ratio Lower Upper

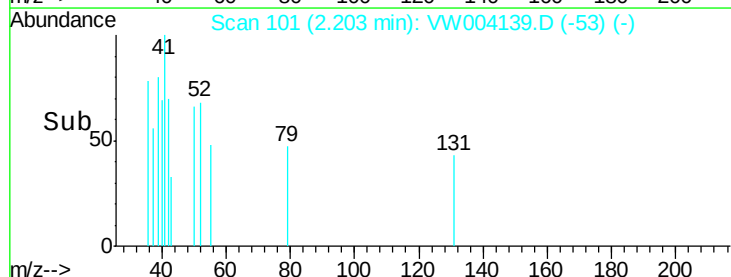
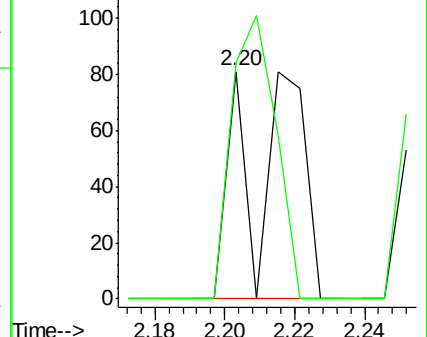
50 100

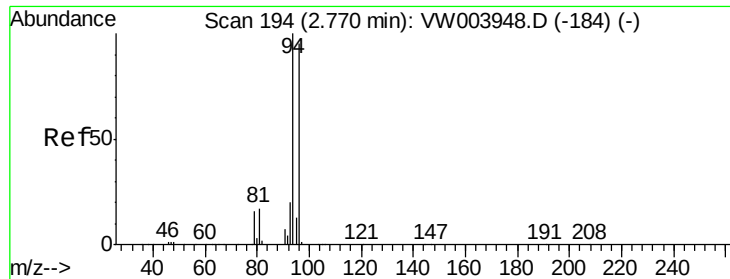
52 103.7 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 1.609 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA\_W

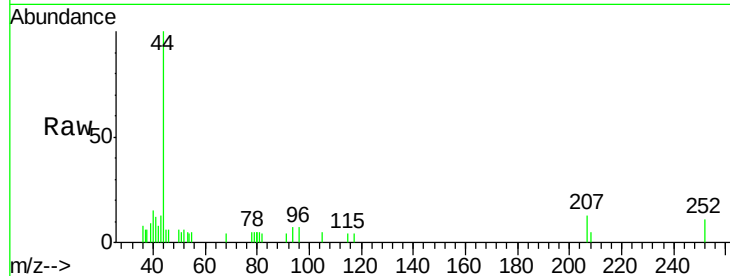
ClientSampled :

Tot Ion: 94 Resp: 98

Ion Ratio Lower Upper

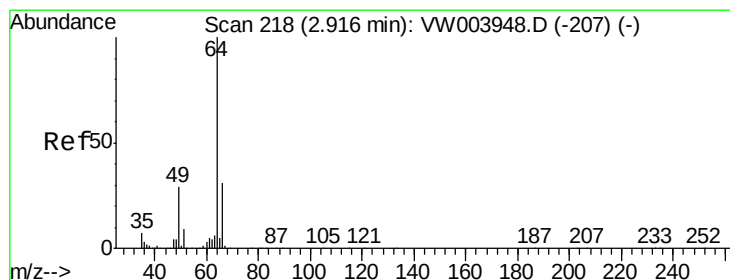
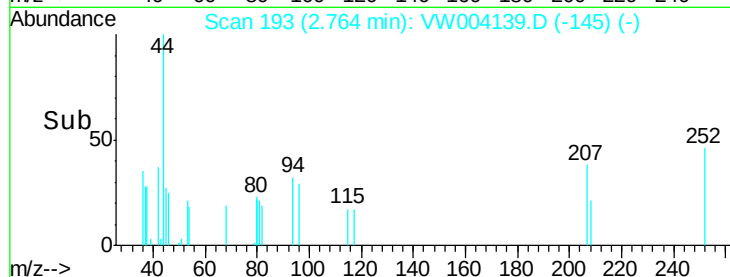
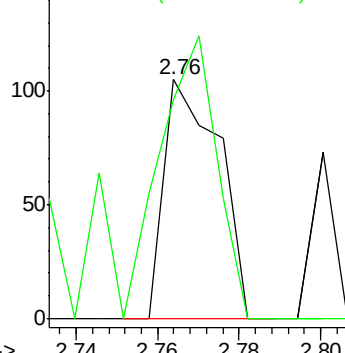
94 100

96 91.4 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 1.409 ug/l

RT: 2.90 min Scan# 215

Delta R.T. -0.02 min

Lab File: VW004139.D

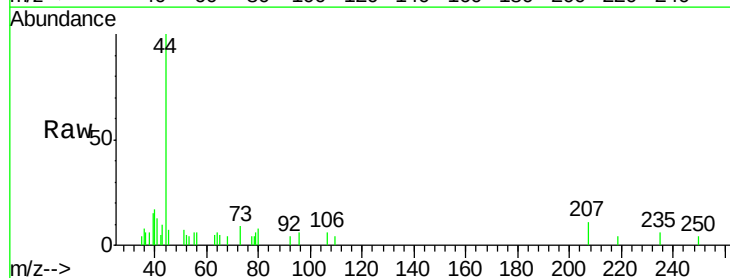
Acq: 23 Jul 2018 16:03

Tgt Ion: 64 Resp: 78

Ion Ratio Lower Upper

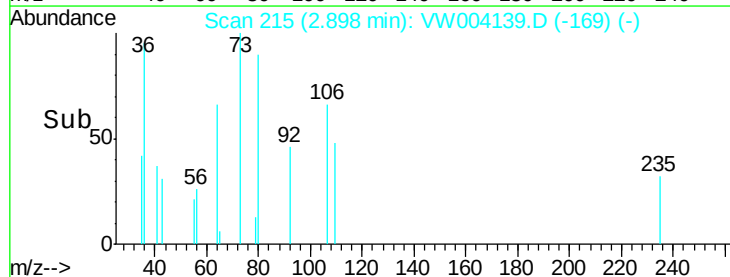
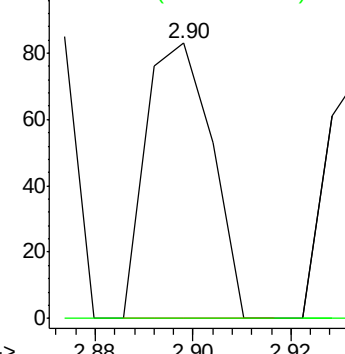
64 100

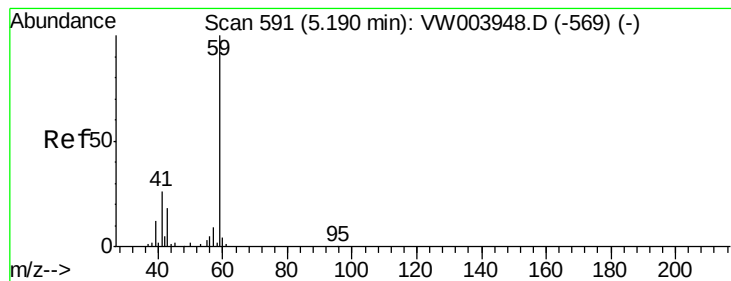
66 0.0 24.5 36.7#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#11

Tert butyl alcohol

Concen: 2.975 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.02 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA\_W

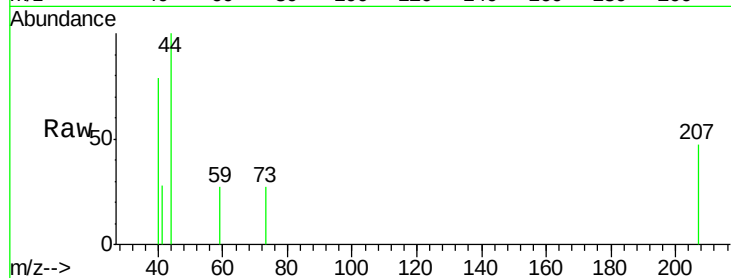
ClientSampled :

Tot Ion: 59 Resp: 22

Ion Ratio Lower Upper

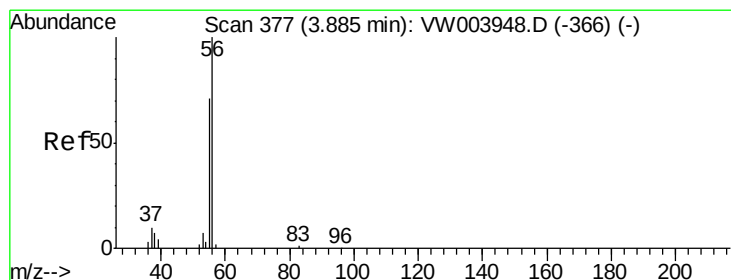
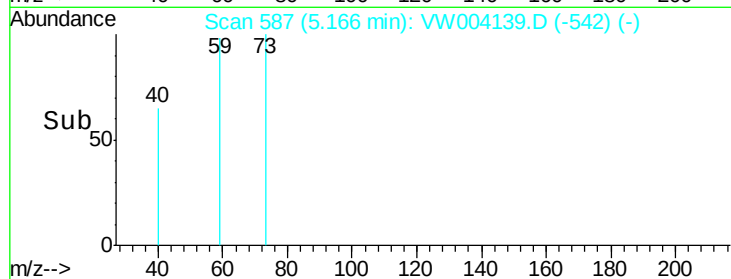
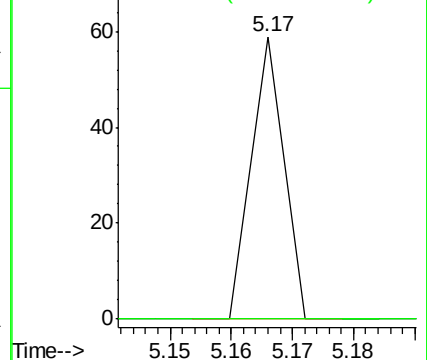
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#13

Acrolein

Concen: 3.553 ug/l

RT: 3.62 min Scan# 334

Delta R.T. -0.26 min

Lab File: VW004139.D

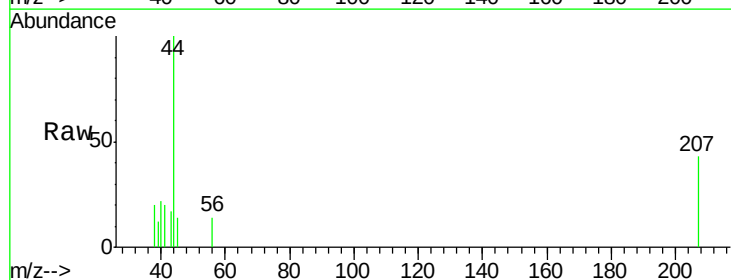
Acq: 23 Jul 2018 16:03

Tgt Ion: 56 Resp: 27

Ion Ratio Lower Upper

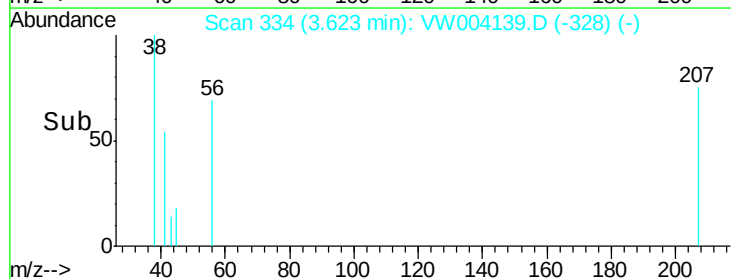
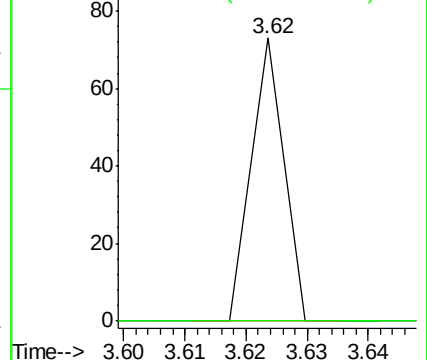
56 100

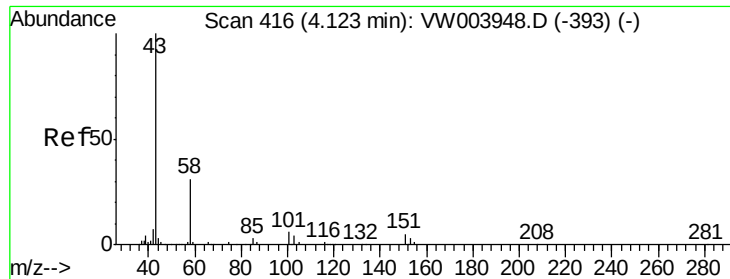
55 0.0 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

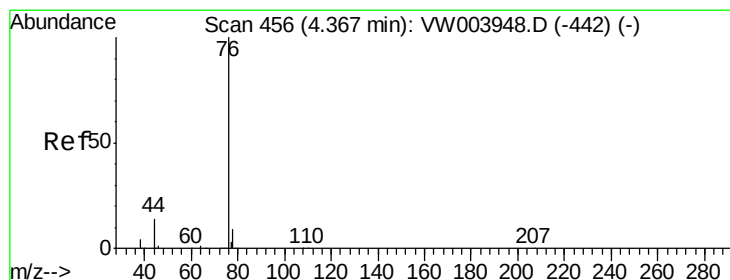
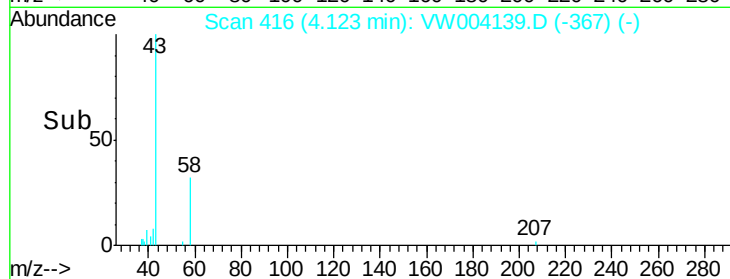
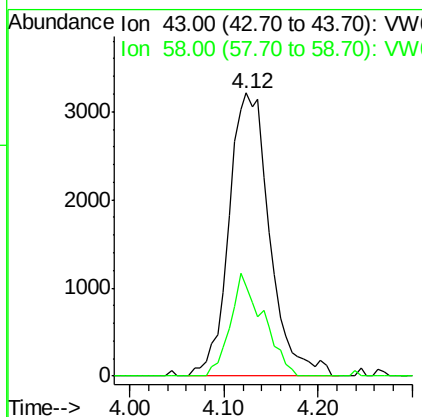
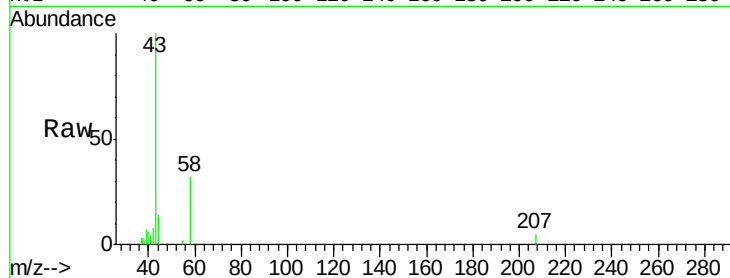




#16  
Acetone  
Concen: 376.021 ug/l  
RT: 4.12 min Scan# 416  
Delta R.T. 0.00 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

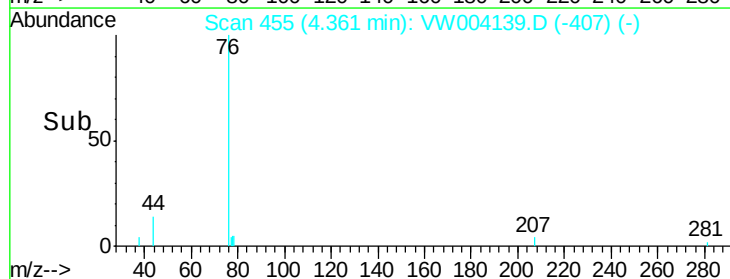
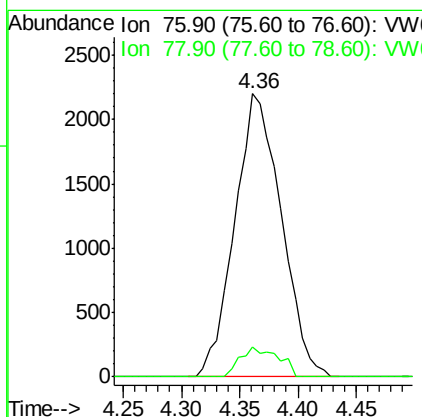
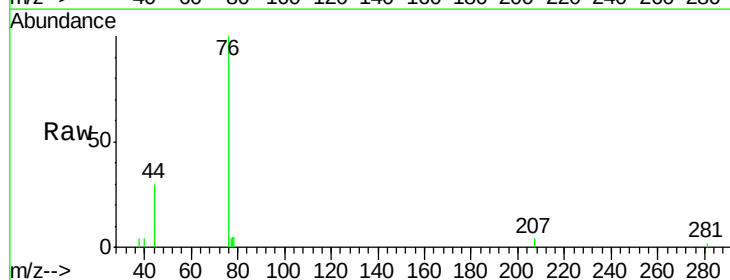
Instrument :  
MSVOA\_W  
ClientSampleId :

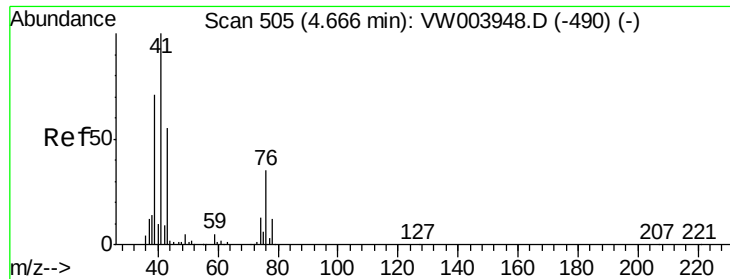
Tot Ion: 43 Resp: 9680  
Ion Ratio Lower Upper  
43 100  
58 31.7 24.5 36.7



#17  
Carbon Disulfide  
Concen: 21.034 ug/l  
RT: 4.36 min Scan# 455  
Delta R.T. -0.01 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

Tgt Ion: 76 Resp: 6115  
Ion Ratio Lower Upper  
76 100  
78 10.5 7.1 10.7

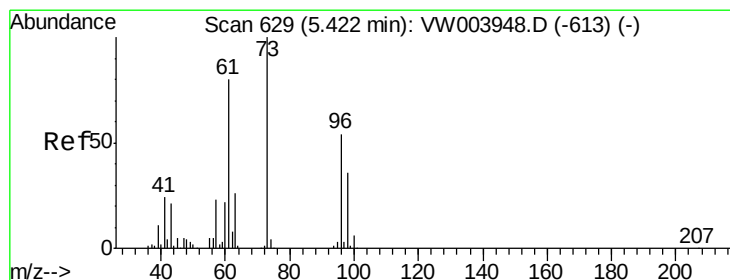
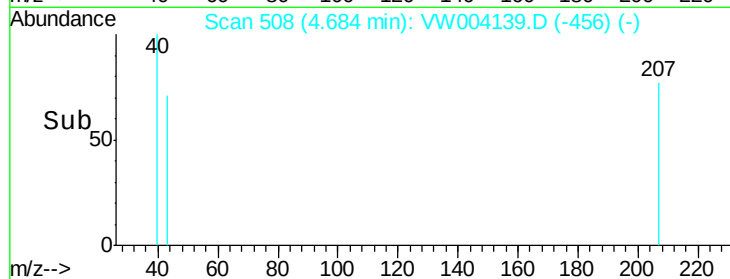
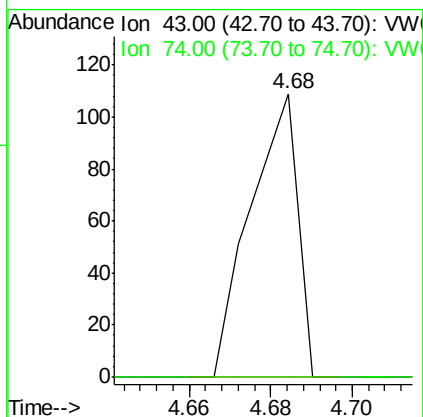
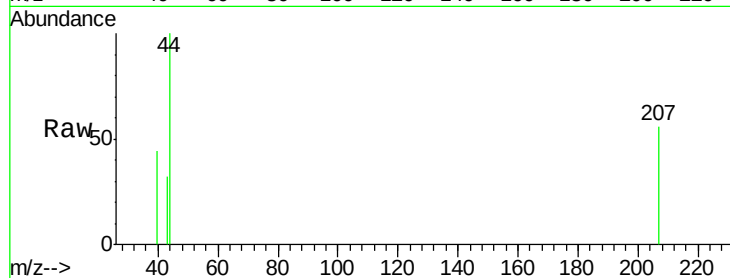




#18  
Methyl Acetate  
Concen: 1.424 ug/l  
RT: 4.68 min Scan# 508  
Delta R.T. 0.02 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

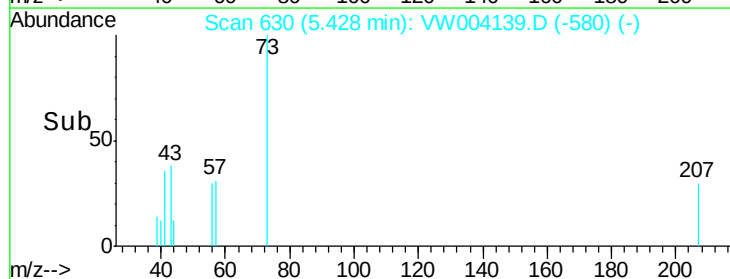
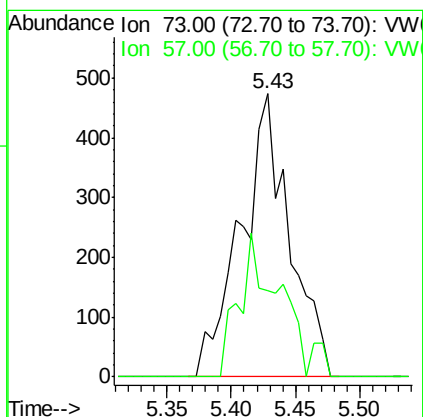
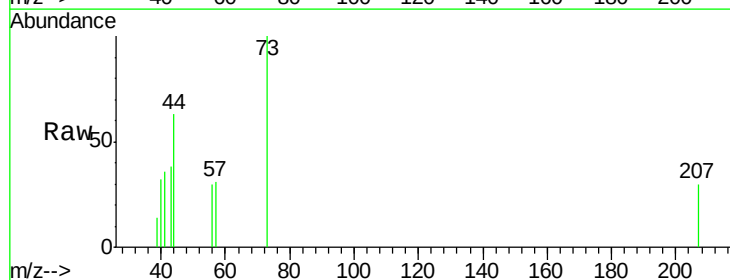
Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 43 Resp: 88  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.7 26.5#

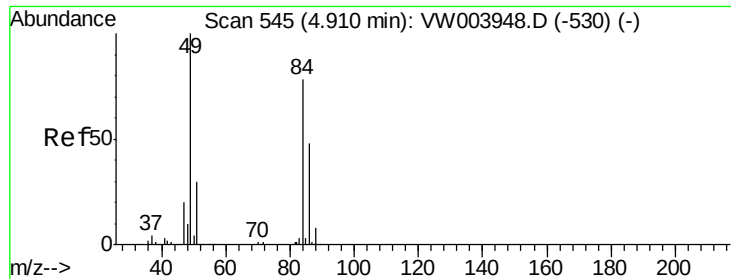


#19  
Methyl tert-butyl Ether  
Concen: 6.930 ug/l  
RT: 5.43 min Scan# 630  
Delta R.T. 0.01 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

Tgt Ion: 73 Resp: 1237  
Ion Ratio Lower Upper  
73 100  
57 30.7 18.2 27.4#



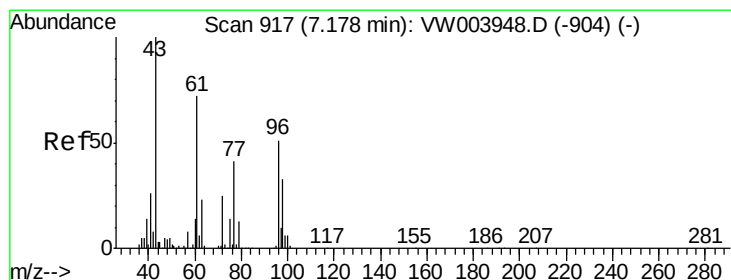
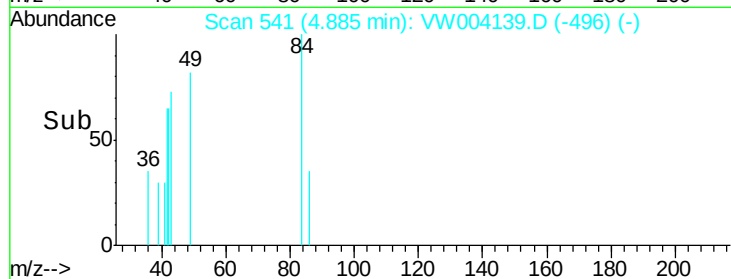
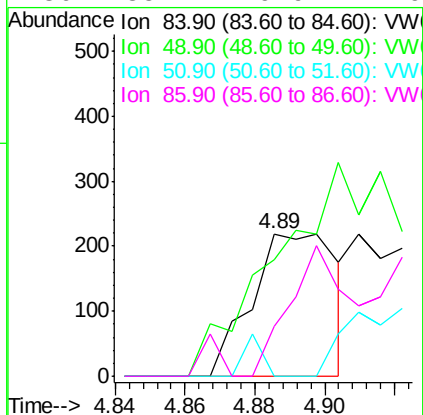
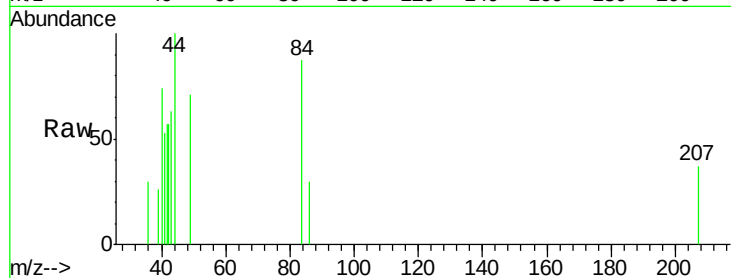




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.89 min Scan# 541  
Delta R.T. -0.02 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

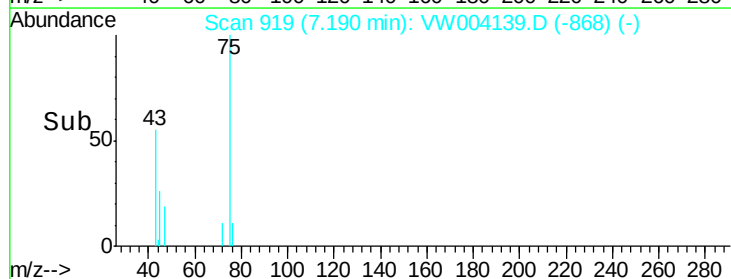
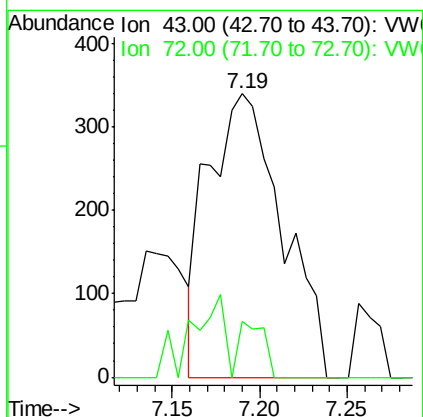
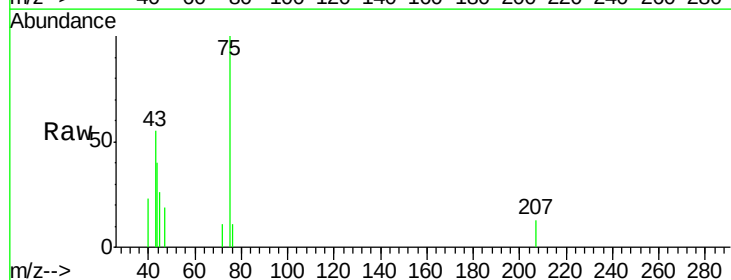
Instrument :  
MSVOA\_W  
ClientSampled :

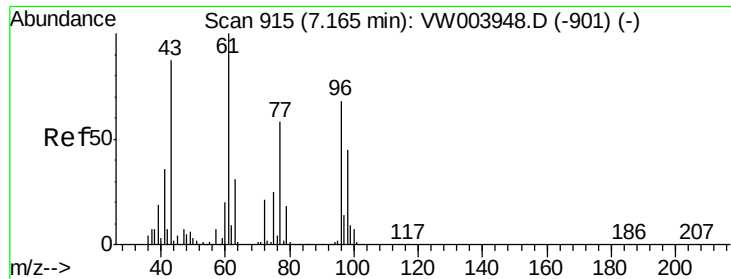
Tot Ion: 84 Resp: 370  
Ion Ratio Lower Upper  
84 100  
49 82.2 102.9 154.3#  
51 0.0 30.9 46.3#  
86 35.2 49.9 74.9#



#25  
2-Butanone  
Concen: 29.068 ug/l  
RT: 7.19 min Scan# 919  
Delta R.T. 0.01 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

Tgt Ion: 43 Resp: 1007  
Ion Ratio Lower Upper  
43 100  
72 19.7 19.8 29.6#

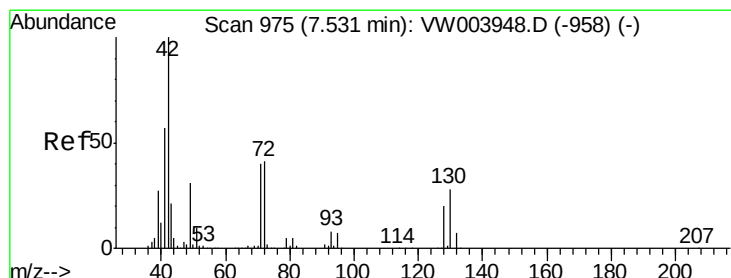
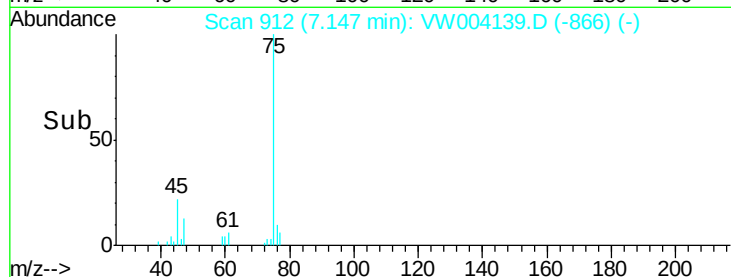
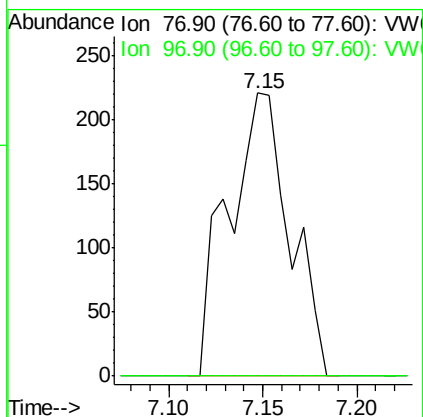
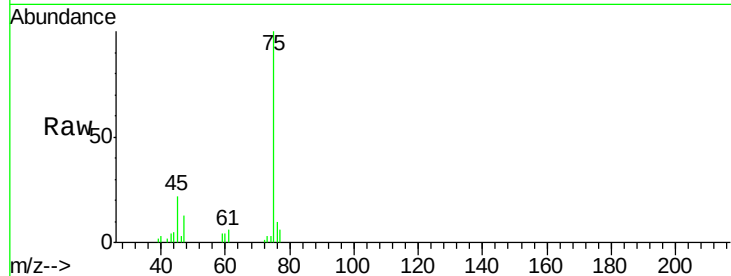




#26  
 2,2-Dichloropropane  
 Concen: 4.613 ug/l  
 RT: 7.15 min Scan# 912  
 Delta R.T. -0.02 min  
 Lab File: VW004139.D  
 Acq: 23 Jul 2018 16:03

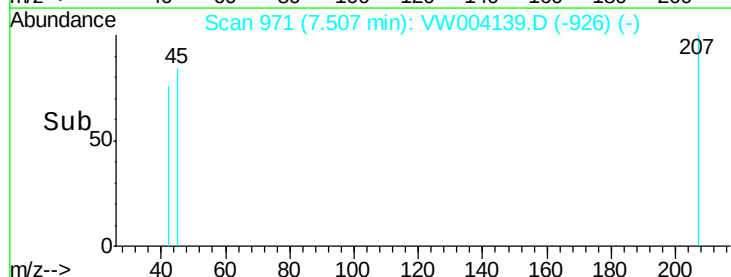
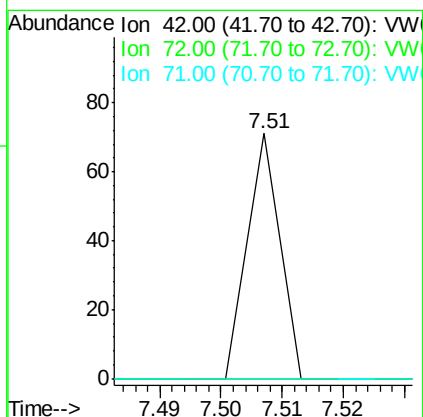
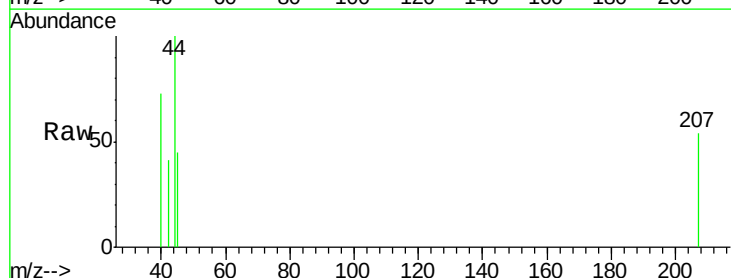
Instrument :  
 MSVOA\_W  
 ClientSampled :

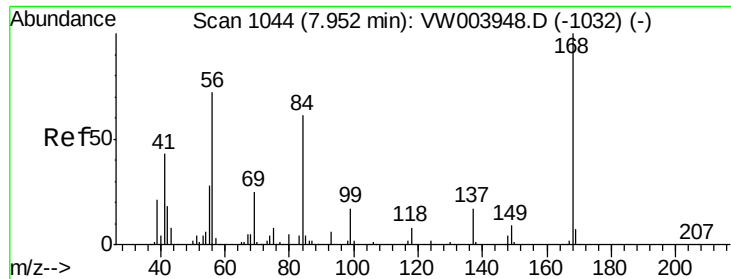
Tot Ion: 77 Resp: 502  
 Ion Ratio Lower Upper  
 77 100  
 97 0.0 11.8 35.3#



#29  
 Tetrahydrofuran  
 Concen: 1.205 ug/l  
 RT: 7.51 min Scan# 971  
 Delta R.T. -0.02 min  
 Lab File: VW004139.D  
 Acq: 23 Jul 2018 16:03

Tgt Ion: 42 Resp: 26  
 Ion Ratio Lower Upper  
 42 100  
 72 0.0 32.6 48.8#  
 71 0.0 30.5 45.7#





#31

Cyclohexane

Concen: 11.980 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA\_W

ClientSampled :

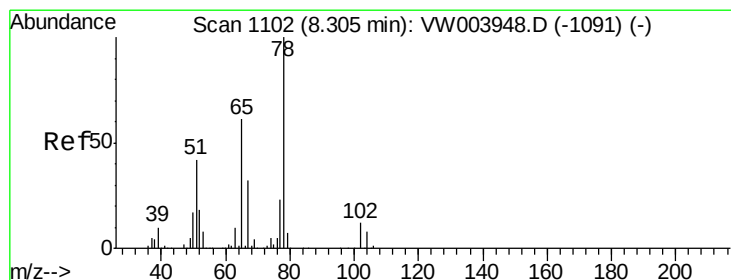
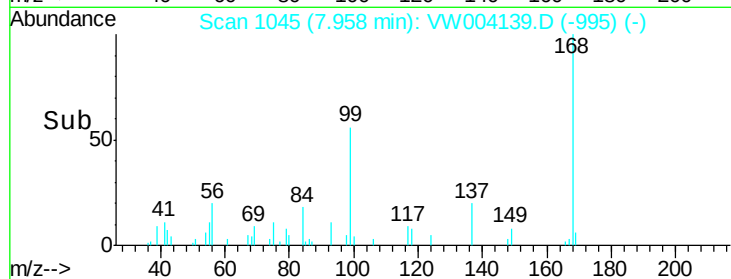
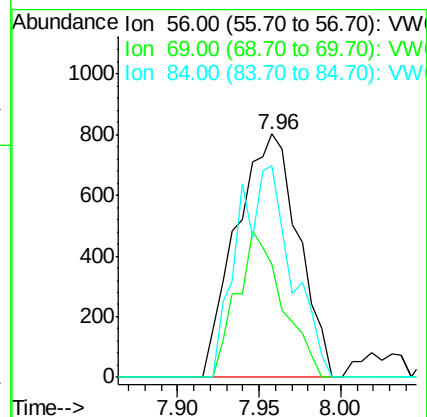
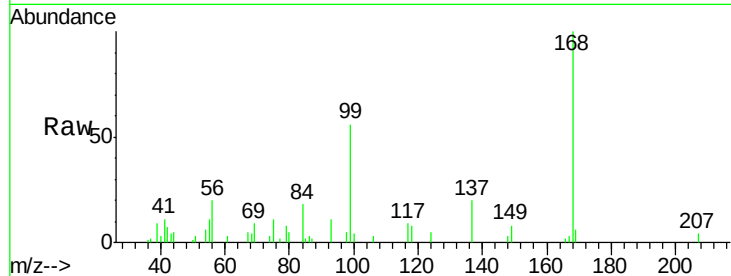
Tot Ion: 56 Resp: 2129

Ion Ratio Lower Upper

56 100

69 46.3 27.8 41.8#

84 86.7 67.2 100.8



#33

1,2-Dichloroethane-d4

Concen: 60.347 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW004139.D

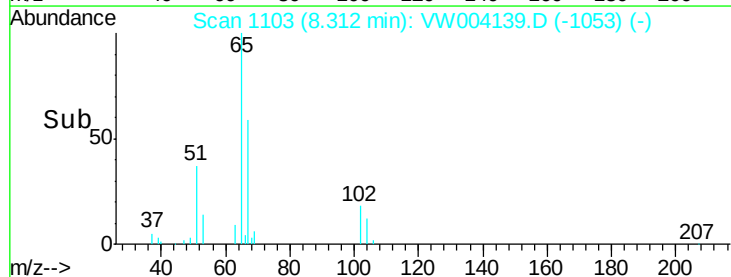
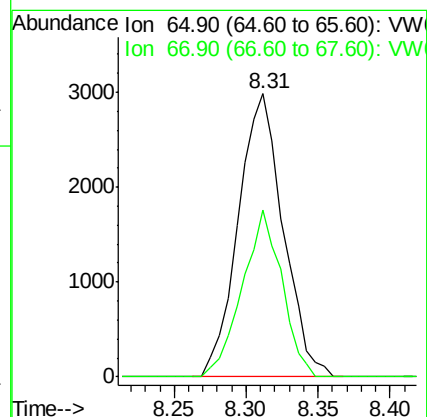
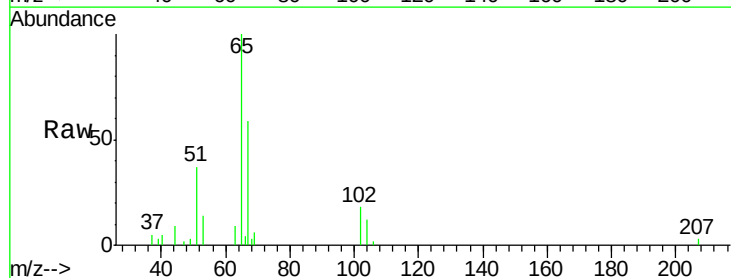
Acq: 23 Jul 2018 16:03

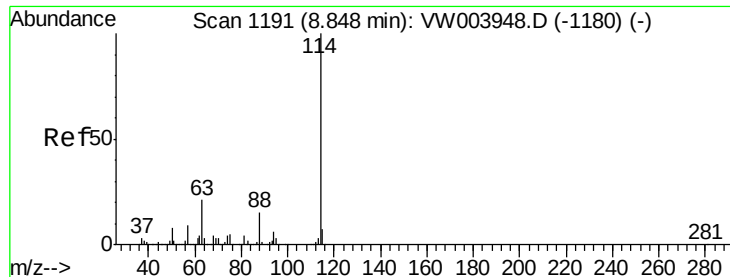
Tgt Ion: 65 Resp: 6465

Ion Ratio Lower Upper

65 100

67 51.7 0.0 105.0

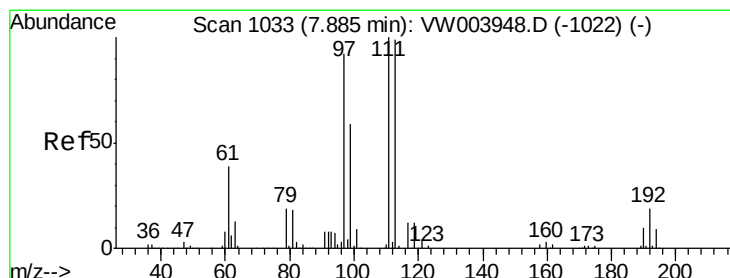
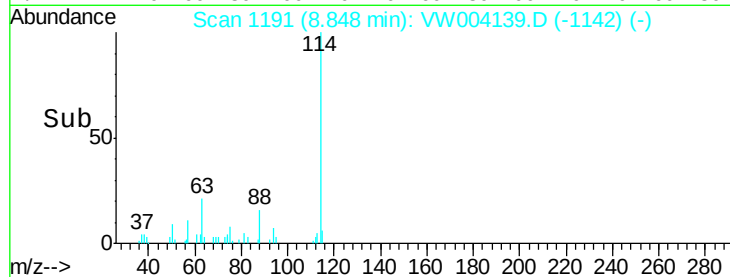
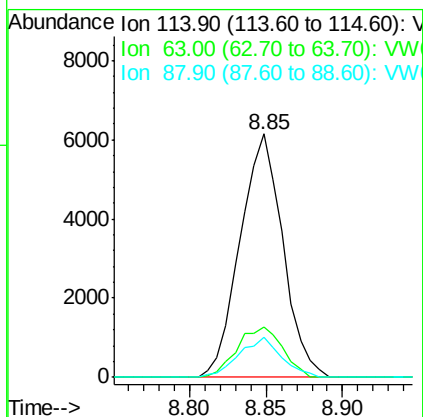
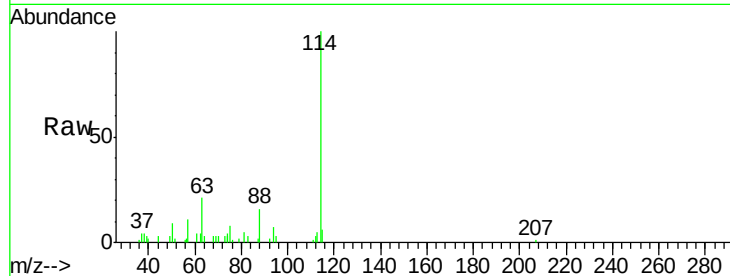




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.85 min Scan# 1191  
Delta R.T. 0.00 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

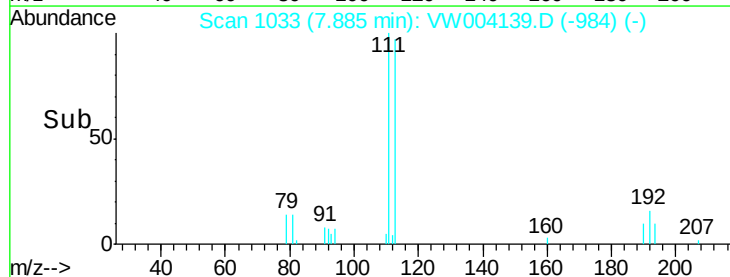
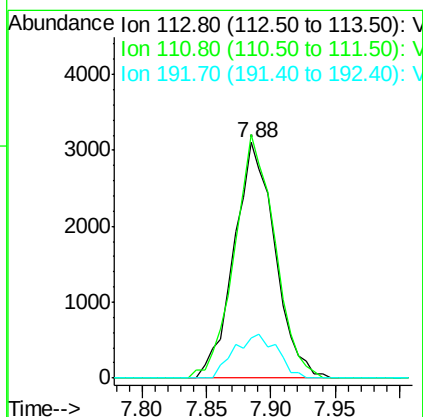
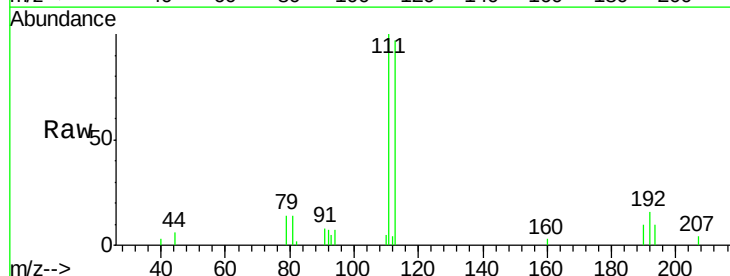
Instrument :  
MSVOA\_W  
ClientSampleId :

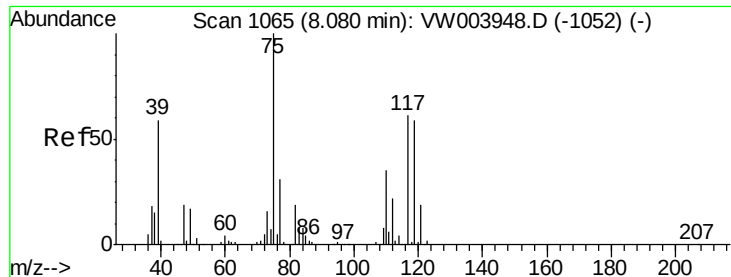
Tot Ion:114 Resp: 11923  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 42.8  
88 16.4 0.0 30.4



#35  
Dibromofluoromethane  
Concen: 89.358 ug/l  
RT: 7.88 min Scan# 1033  
Delta R.T. 0.00 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

Tgt Ion:113 Resp: 6836  
Ion Ratio Lower Upper  
113 100  
111 101.7 81.3 121.9  
192 19.6 15.8 23.6





#36

1,1-Dichloropropene

Concen: 7.051 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA\_W

ClientSampled :

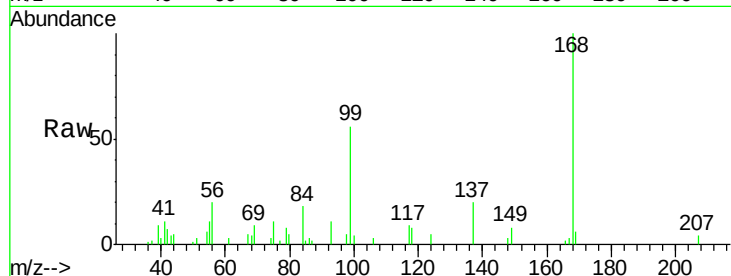
Tot Ion: 75 Resp: 865

Ion Ratio Lower Upper

75 100

110 0.0 17.0 51.0#

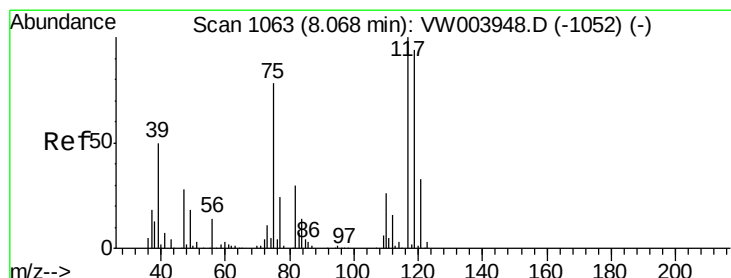
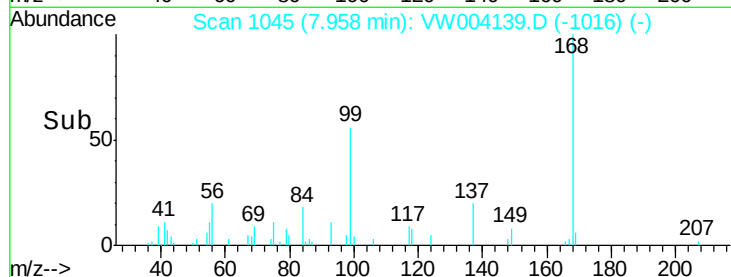
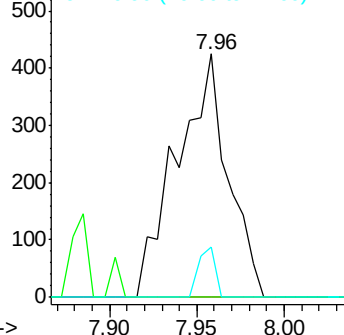
77 6.8 24.9 37.3#



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



#38

Carbon Tetrachloride

Concen: 8.637 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

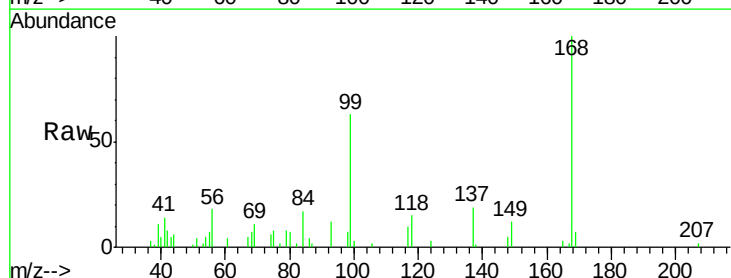
Tgt Ion: 117 Resp: 990

Ion Ratio Lower Upper

117 100

119 0.0 75.3 112.9#

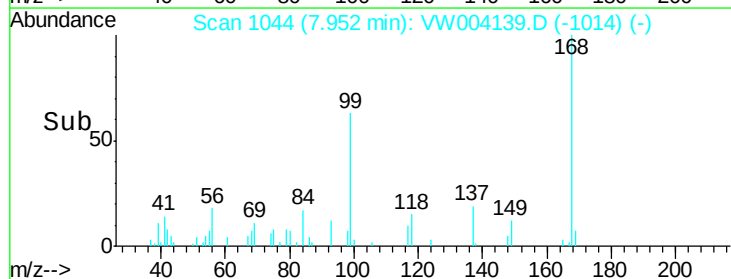
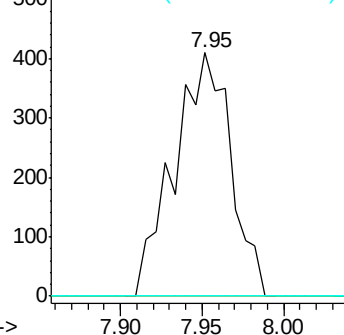
121 0.0 26.0 39.0#

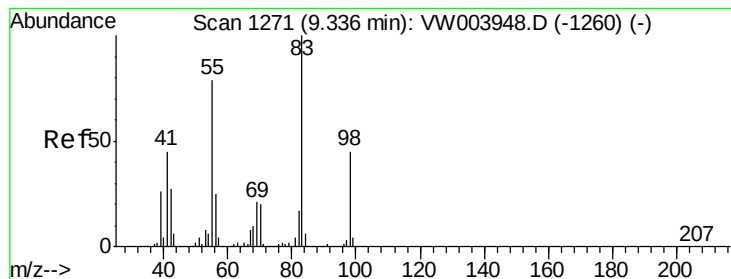


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylvlcyclohexane

Concen: 17.325 ug/l

RT: 9.34 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA\_W

ClientSampleId :

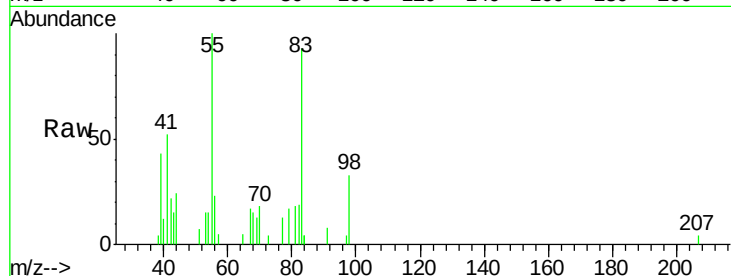
Tot Ion: 83 Resp: 2489

Ion Ratio Lower Upper

83 100

55 108.0 62.8 94.2#

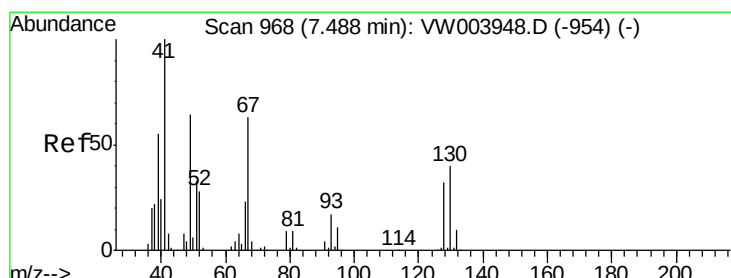
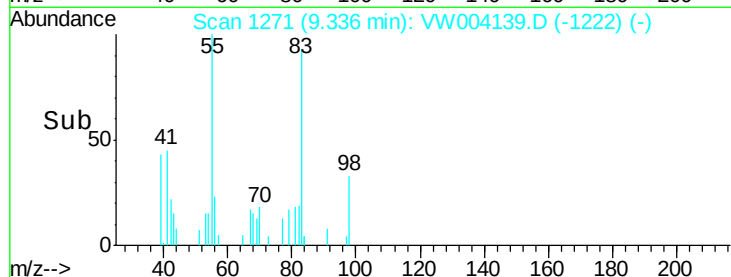
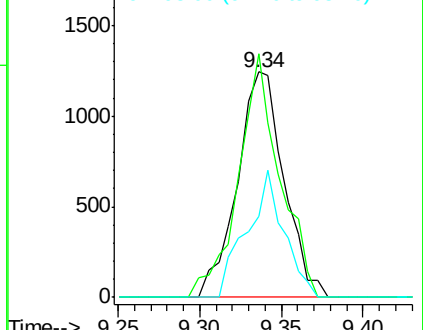
98 35.8 36.2 54.4#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#41

Methacrylonitrile

Concen: 1.251 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.07 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

Tgt Ion: 41 Resp: 41

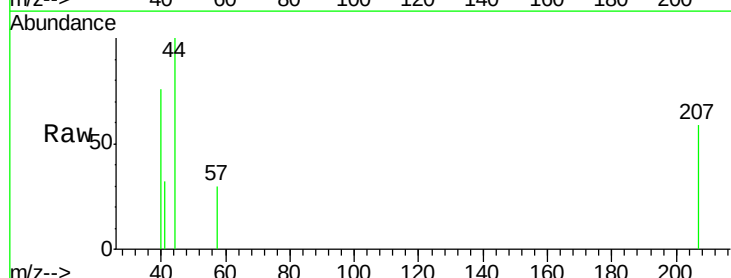
Ion Ratio Lower Upper

41 100

39 78.0 50.0 75.0#

67 0.0 60.8 91.2#

52 0.0 26.2 39.4#

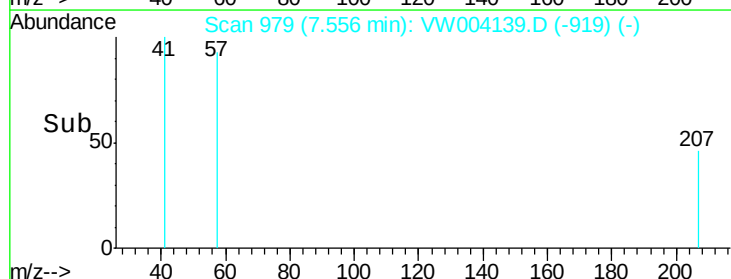
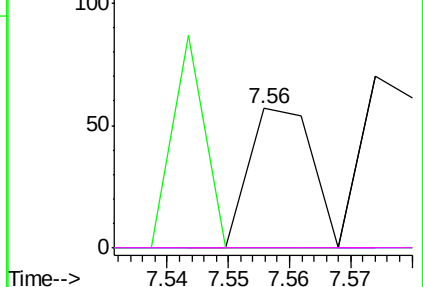


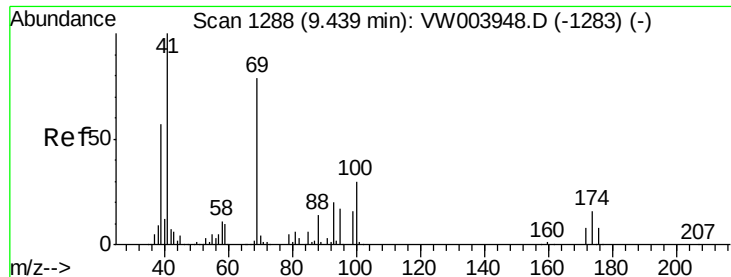
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

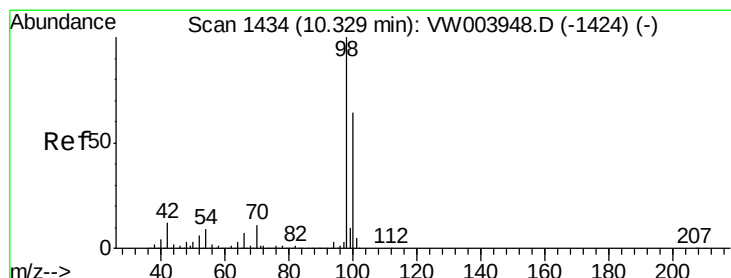
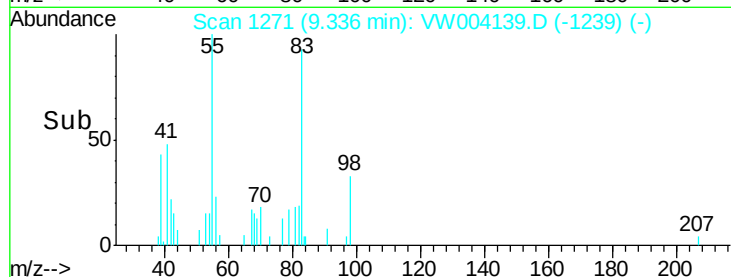
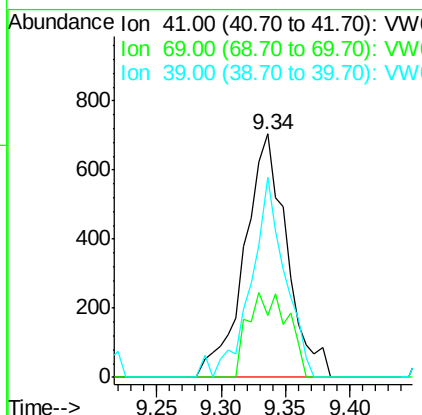
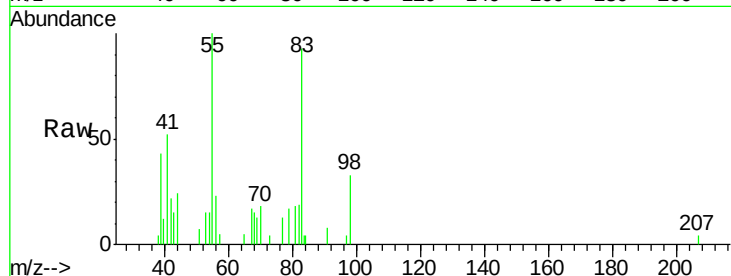




#48  
Methvl methacrylate  
Concen: 29.933 ug/l  
RT: 9.34 min Scan# 1271  
Delta R.T. -0.10 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

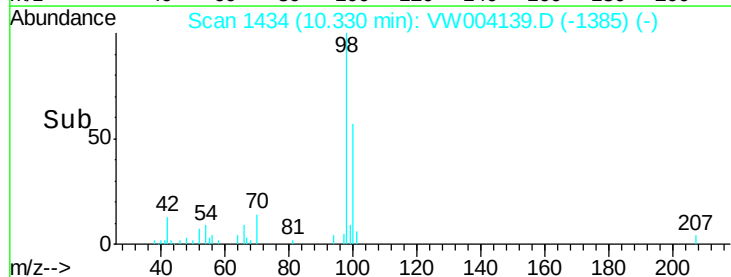
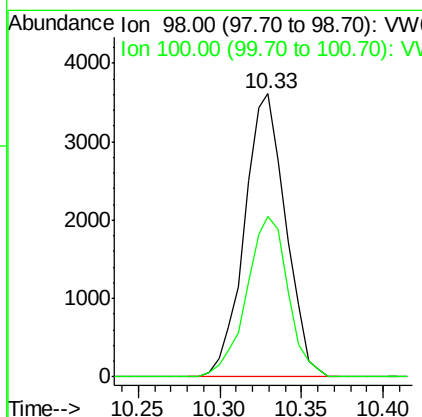
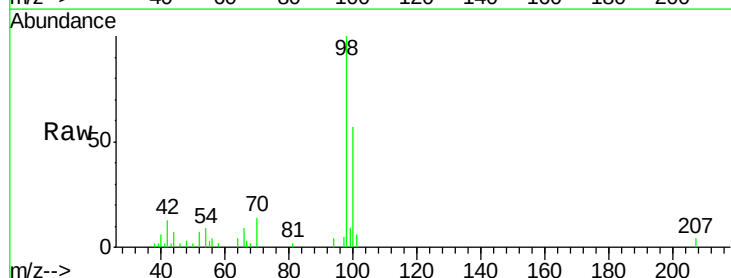
Instrument :  
MSVOA\_W  
ClientSampleId :

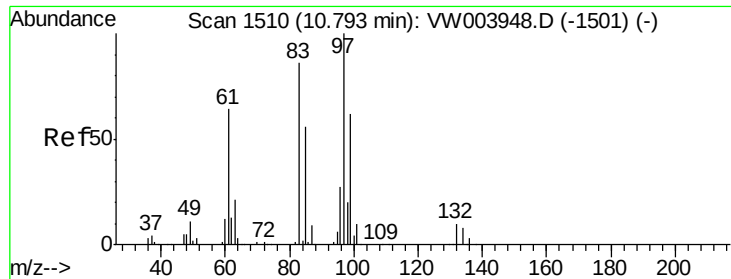
Tot Ion: 41 Resp: 1602  
Ion Ratio Lower Upper  
41 100  
69 32.8 67.0 100.6#  
39 66.1 48.8 73.2



#50  
Toluene-d8  
Concen: 21.338 ug/l  
RT: 10.33 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

Tgt Ion: 98 Resp: 6334  
Ion Ratio Lower Upper  
98 100  
100 57.0 51.2 76.8





#55

1,1,2-Trichloroethane

Concen: 3.754 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. -0.13 min

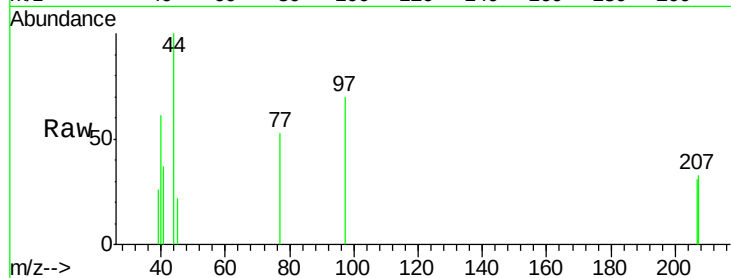
Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA\_W

ClientSampled :



Tot Ion: 97 Resp: 238

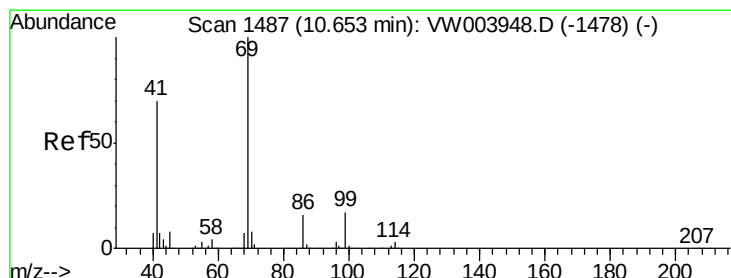
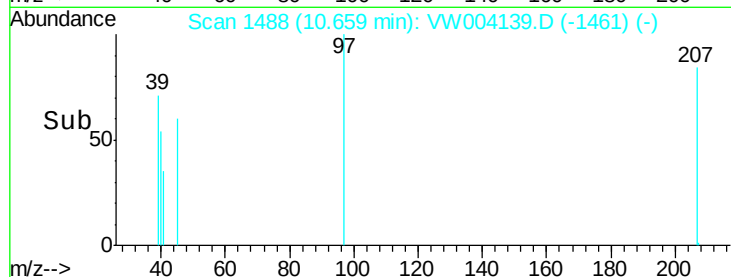
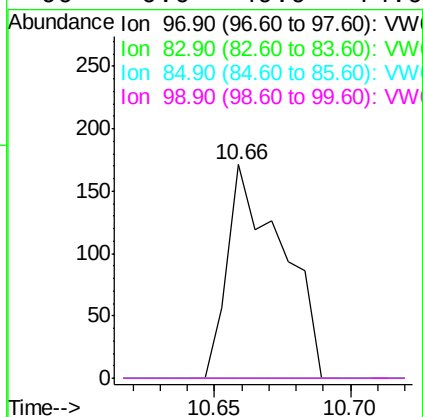
Ion Ratio Lower Upper

97 100

83 0.0 69.0 103.4#

85 0.0 45.0 67.6#

99 0.0 49.9 74.9#



#56

Ethyl methacrylate

Concen: 3.174 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

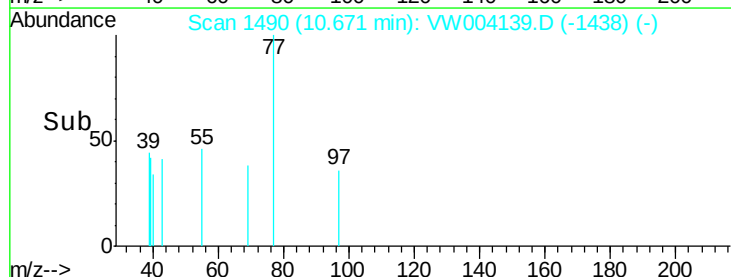
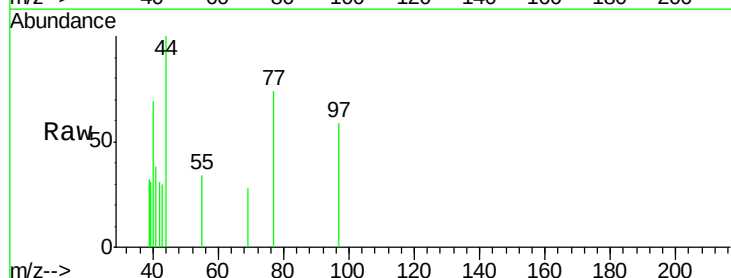
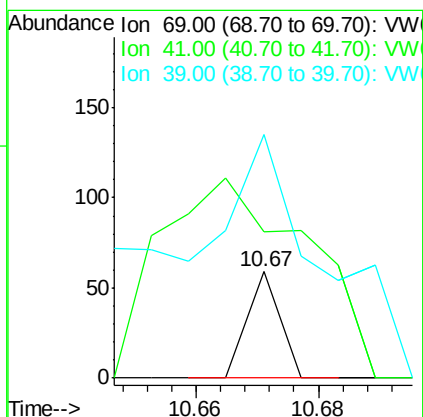
Tgt Ion: 69 Resp: 22

Ion Ratio Lower Upper

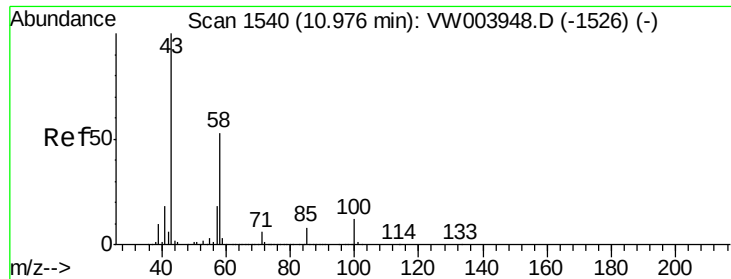
69 100

41 840.9 56.5 84.7#

39 1013.6 30.2 45.4#







#59

2-Hexanone

Concen: 3.056 ug/l

RT: 10.92 min Scan# 1531

Delta R.T. -0.05 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA\_W

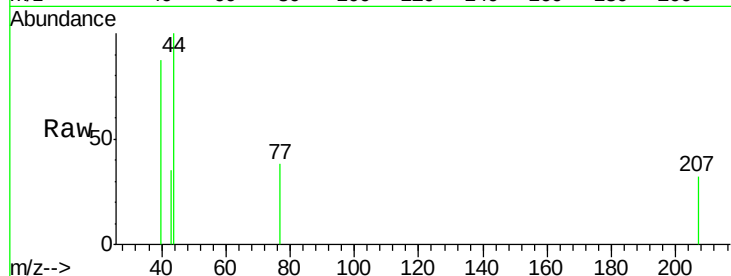
ClientSampleId :

Tot Ion: 43 Resp: 127

Ion Ratio Lower Upper

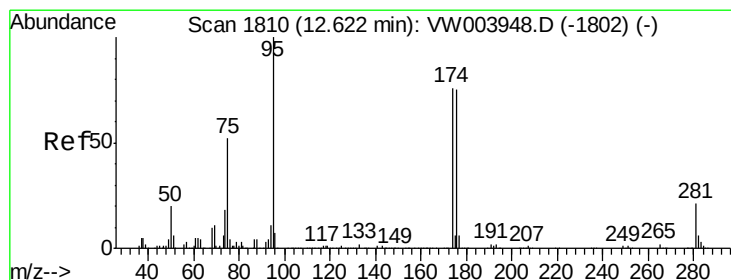
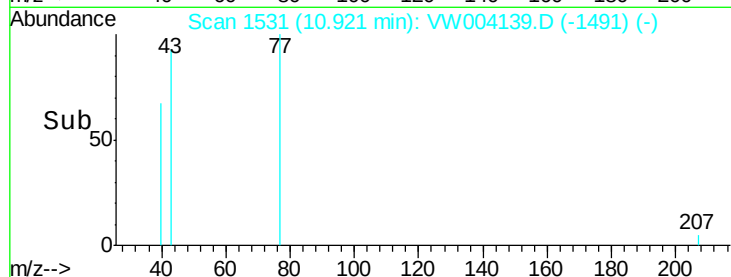
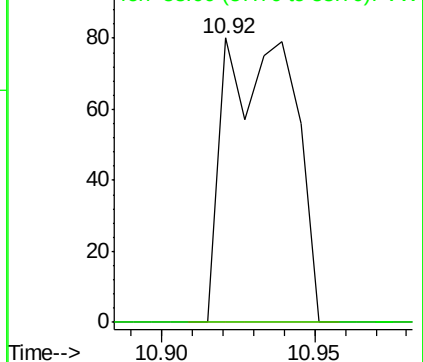
43 100

58 0.0 26.0 78.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 5.297 ug/l

RT: 12.62 min Scan# 1809

Delta R.T. -0.01 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

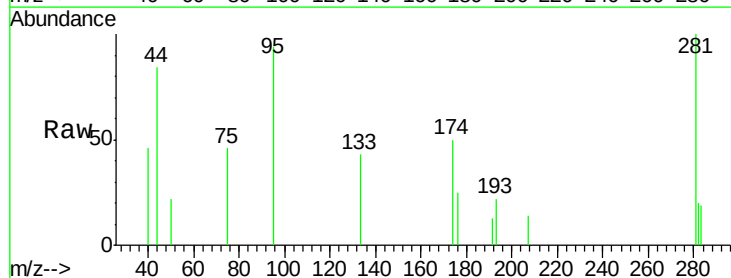
Tgt Ion: 95 Resp: 567

Ion Ratio Lower Upper

95 100

174 64.4 0.0 160.2

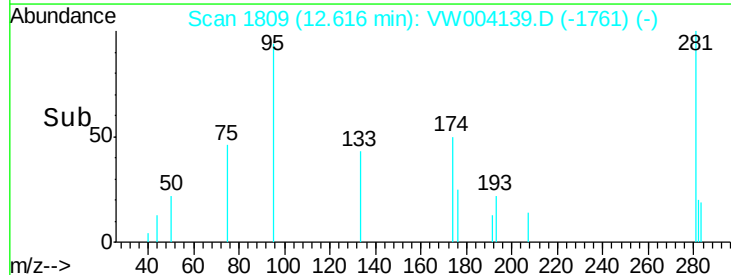
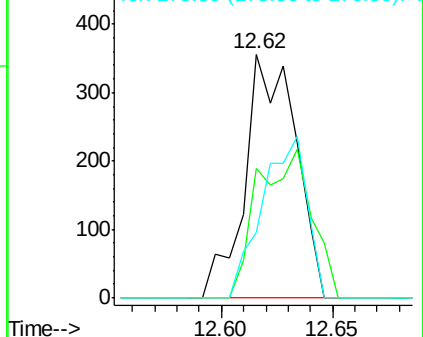
176 58.0 0.0 155.8

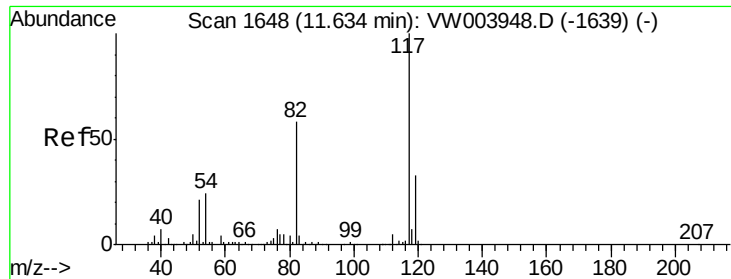


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

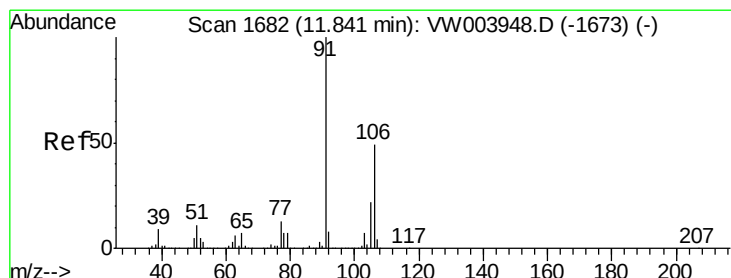
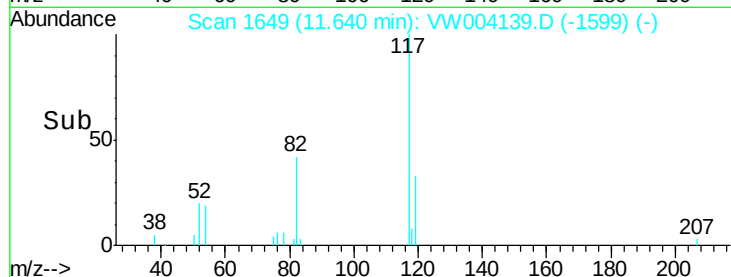
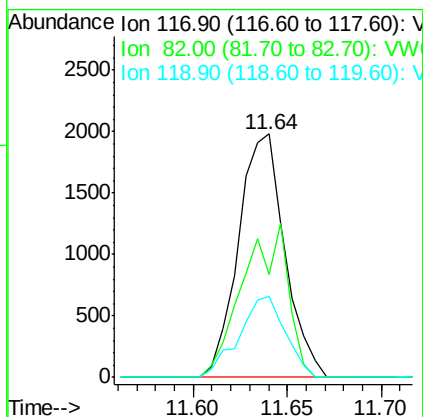
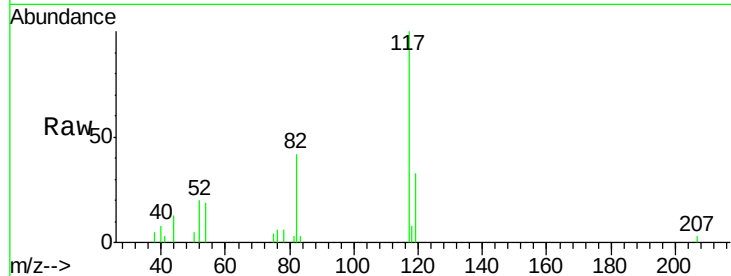




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. 0.01 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

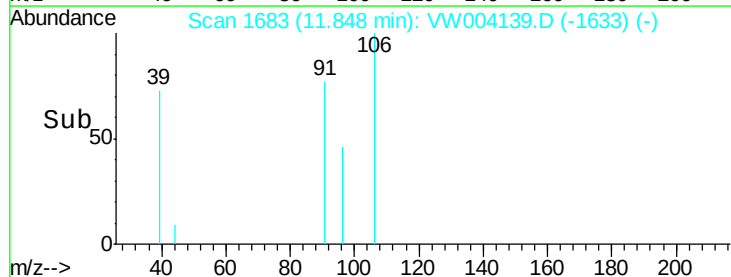
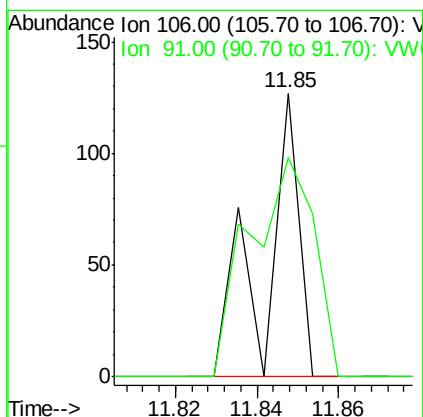
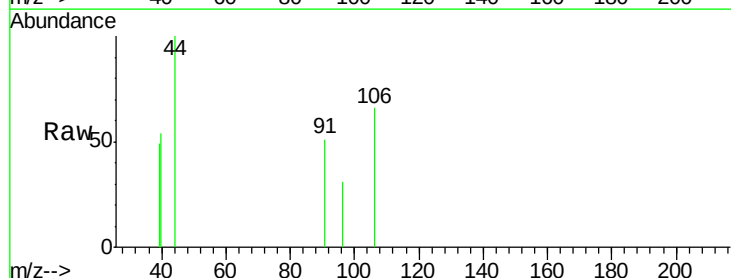
Instrument :  
MSVOA\_W  
ClientSampled :

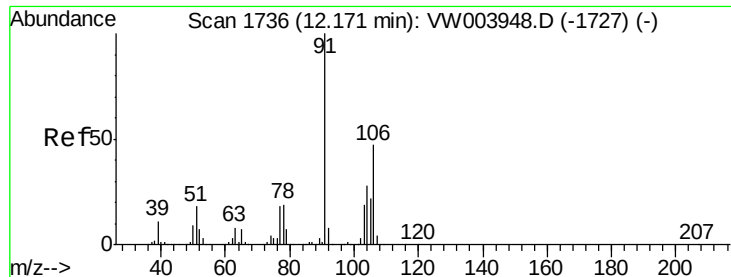
Tot Ion:117 Resp: 3371  
Ion Ratio Lower Upper  
117 100  
82 42.5 46.5 69.7#  
119 33.3 26.2 39.2



#68  
m/p-Xylenes  
Concen: 1.538 ug/l  
RT: 11.85 min Scan# 1683  
Delta R.T. 0.01 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

Tgt Ion:106 Resp: 74  
Ion Ratio Lower Upper  
106 100  
91 147.3 164.2 246.2#

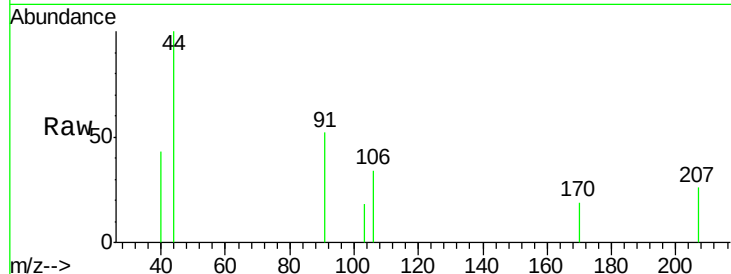




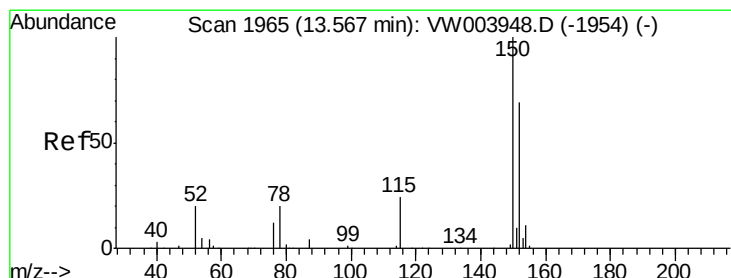
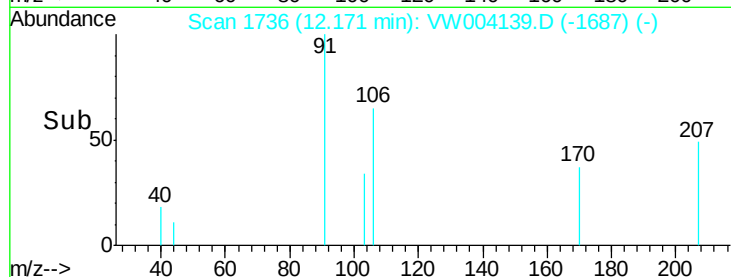
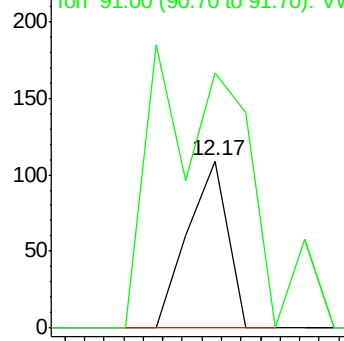
#69  
o-Xylene  
Concen: 1.389 ug/l  
RT: 12.17 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion:106 Resp: 62  
Ion Ratio Lower Upper  
106 100  
91 382.3 107.5 322.6#

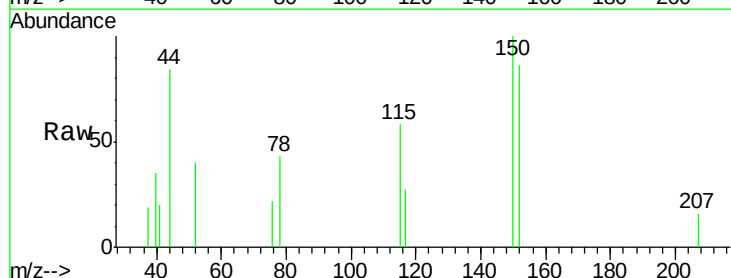


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VV

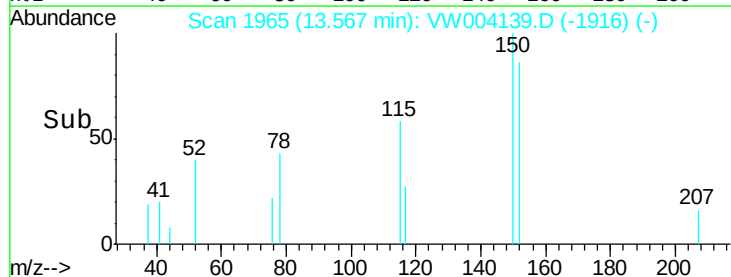
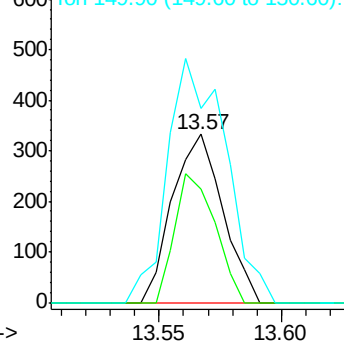


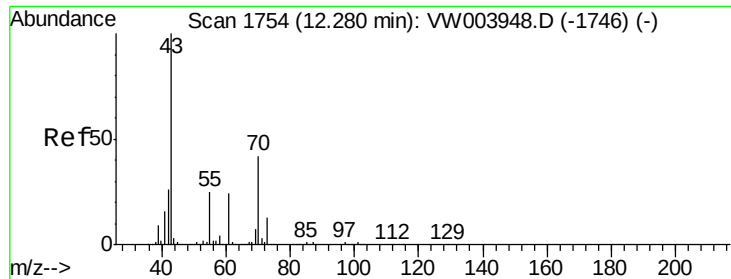
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. 0.00 min  
Lab File: VW004139.D  
Acq: 23 Jul 2018 16:03

Tgt Ion:152 Resp: 478  
Ion Ratio Lower Upper  
152 100  
115 61.3 29.2 87.6  
150 166.5 0.0 345.2



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





#74

N-amvl acetate

Concen: 6.931 ug/l

RT: 12.24 min Scan# 1748

Delta R.T. -0.04 min

Lab File: VW004139.D

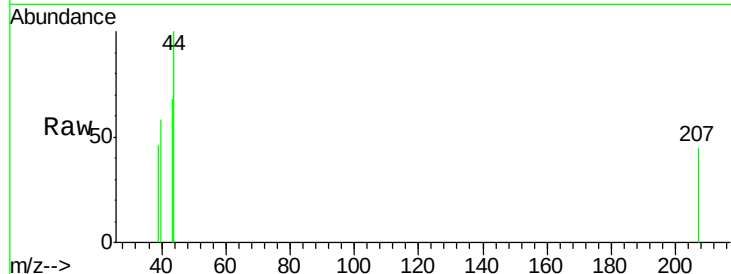
Acq: 23 Jul 2018 16:03

Instrument :

MSVOA\_W

ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 61    |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 0.0   | 31.6  | 47.4# |
| 55       | 0.0   | 20.0  | 30.0# |
| 61       | 0.0   | 18.5  | 27.7# |

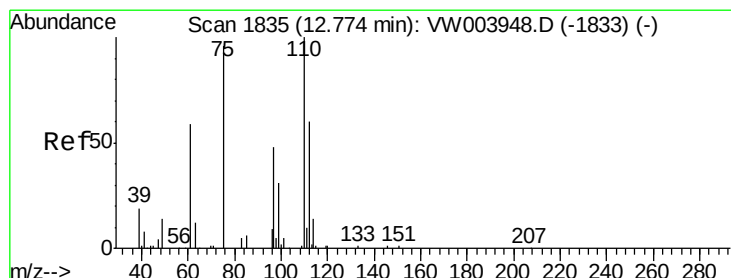
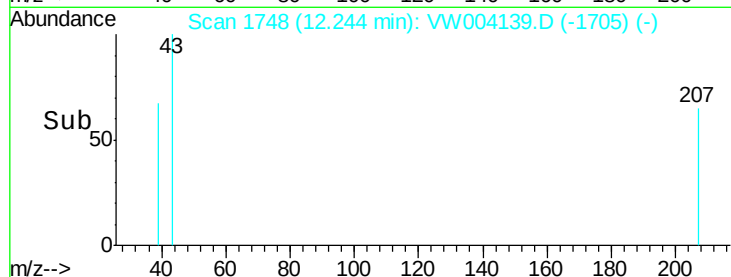
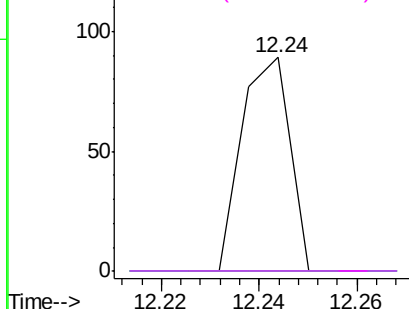


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 46.150 ug/l

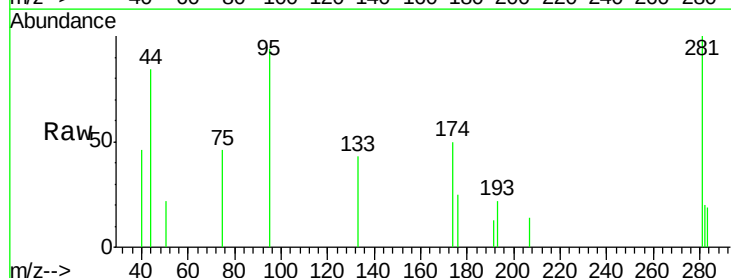
RT: 12.62 min Scan# 1809

Delta R.T. -0.16 min

Lab File: VW004139.D

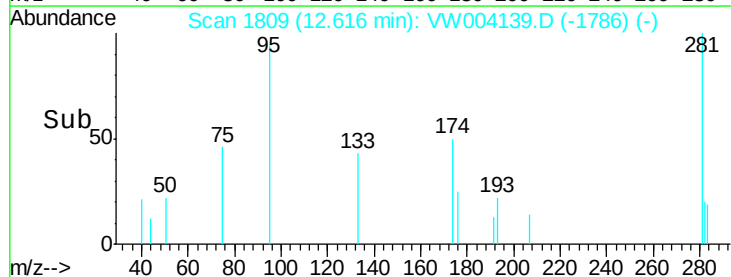
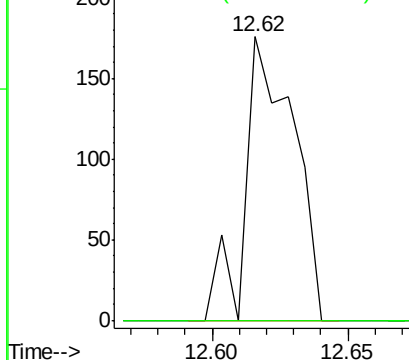
Acq: 23 Jul 2018 16:03

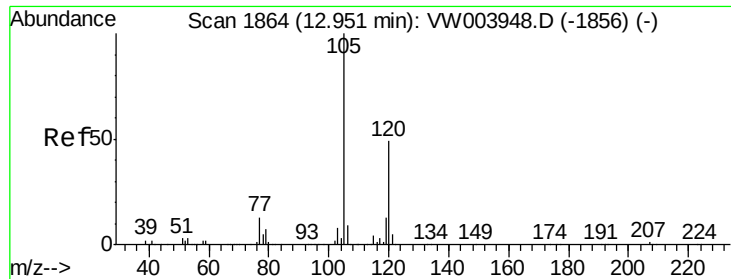
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 219   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#80

1,3,5-Trimethylbenzene

Concen: 3.166 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA\_W

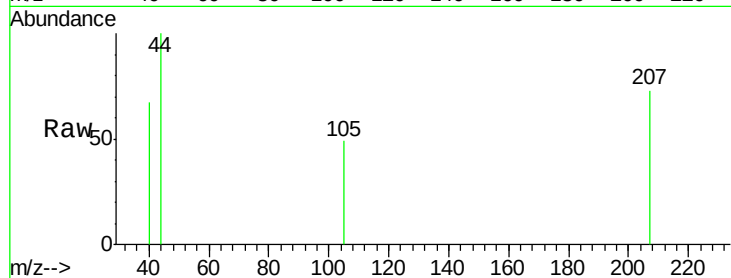
ClientSampleId :

Tot Ion: 105 Resp: 90

Ion Ratio Lower Upper

105 100

120 0.0 24.4 73.2#

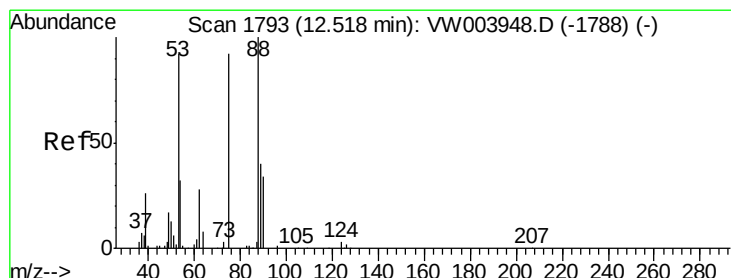
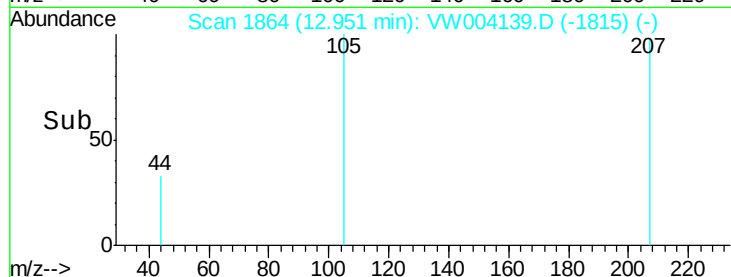


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.95

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 102.082 ug/l

RT: 12.62 min Scan# 1809

Delta R.T. 0.10 min

Lab File: VW004139.D

Acq: 23 Jul 2018 16:03

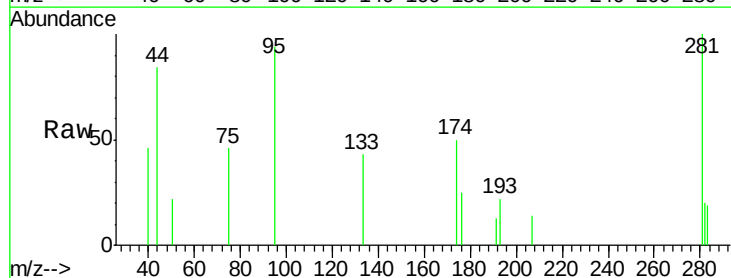
Tgt Ion: 75 Resp: 219

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 36.6 54.8#



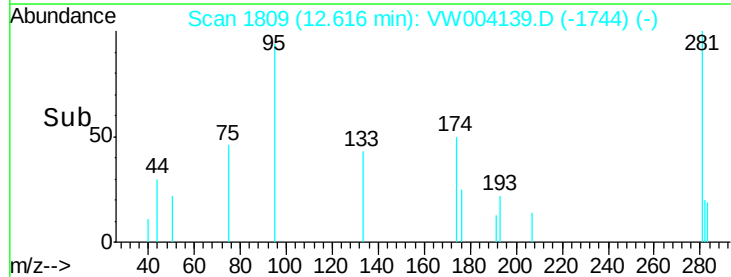
Abundance Ion 74.90 (74.60 to 75.60): VW

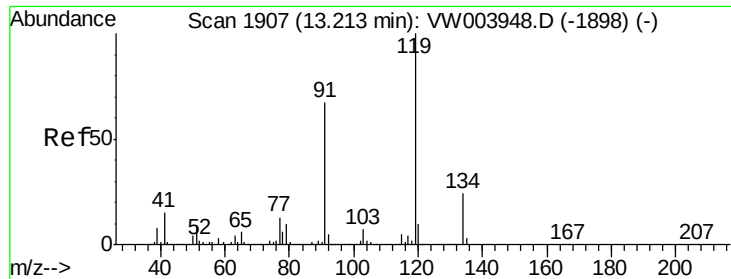
Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

12.62

Time-->

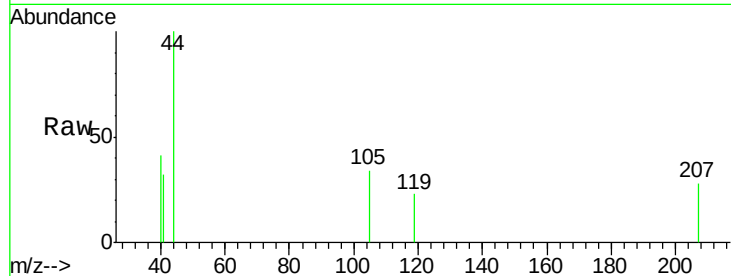




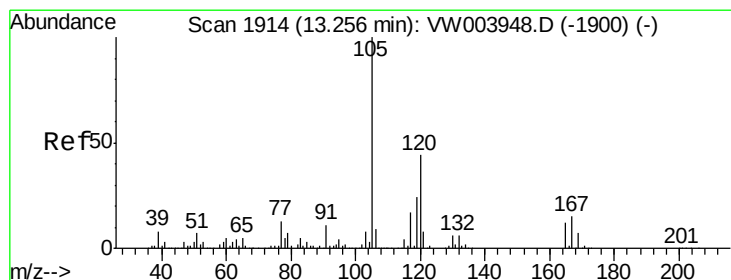
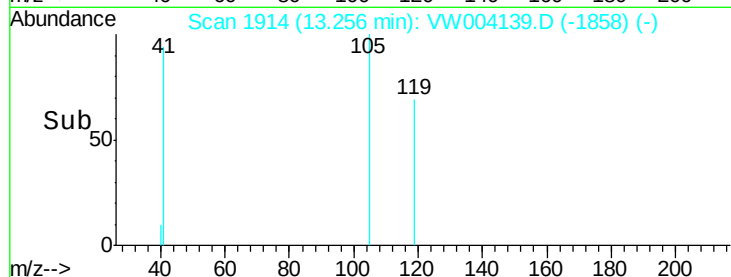
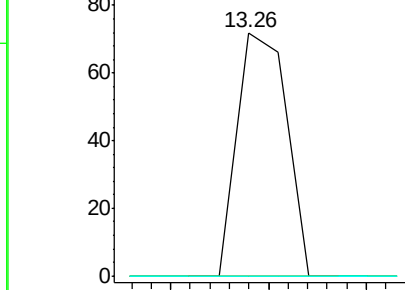
#83  
 tert-Butylbenzene  
 Concen: 2.095 ug/l  
 RT: 13.26 min Scan# 1914  
 Delta R.T. 0.04 min  
 Lab File: VW004139.D  
 Acq: 23 Jul 2018 16:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 0.0   | 33.2  | 99.6# |
| 134     | 0.0   | 13.0  | 38.9# |

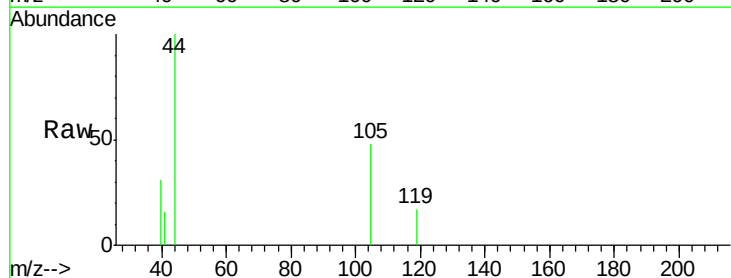


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): VW  
 Ion 134.00 (133.70 to 134.70): V

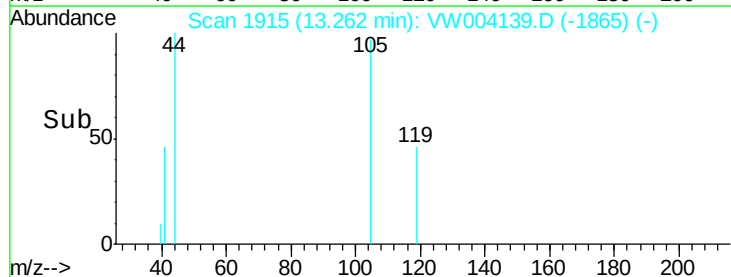
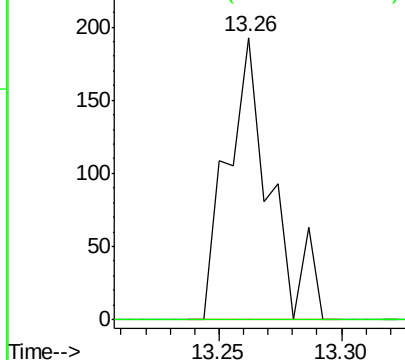


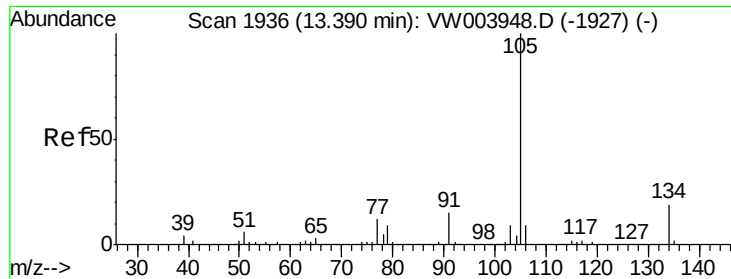
#84  
 1,2,4-Trimethylbenzene  
 Concen: 8.070 ug/l  
 RT: 13.26 min Scan# 1915  
 Delta R.T. 0.01 min  
 Lab File: VW004139.D  
 Acq: 23 Jul 2018 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 0.0   | 22.1  | 66.1# |



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

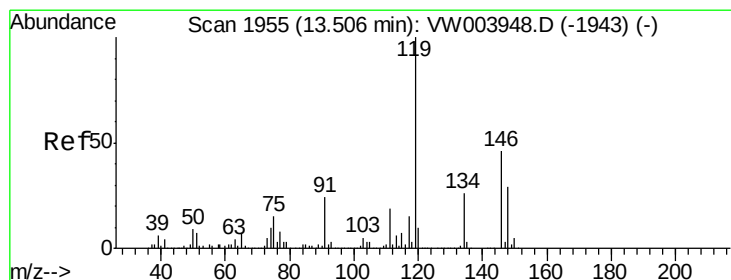
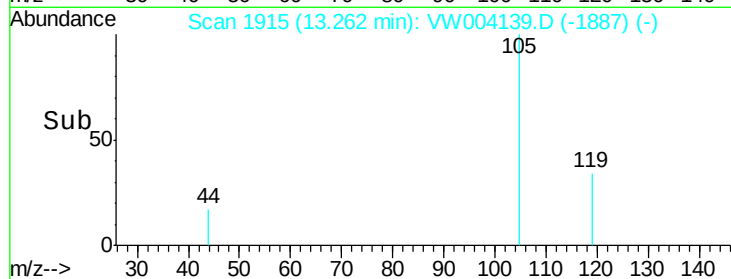
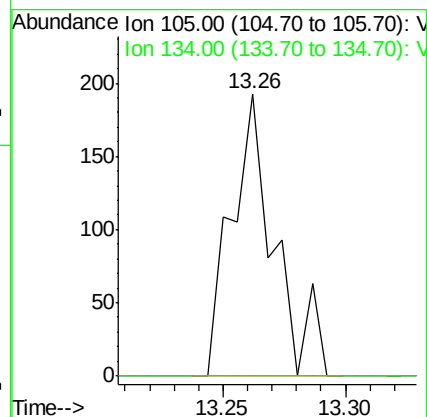
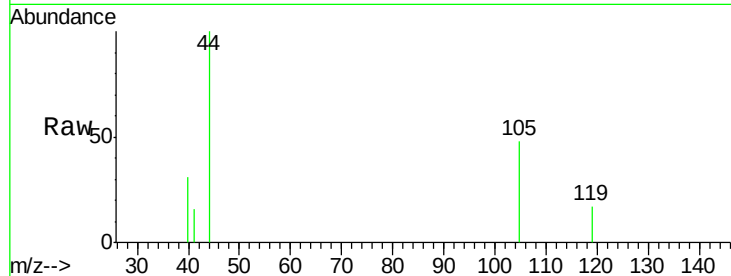




#85  
 sec-Butylbenzene  
 Concen: 6.665 ug/l  
 RT: 13.26 min Scan# 1915  
 Delta R.T. -0.13 min  
 Lab File: VW004139.D  
 Acq: 23 Jul 2018 16:03

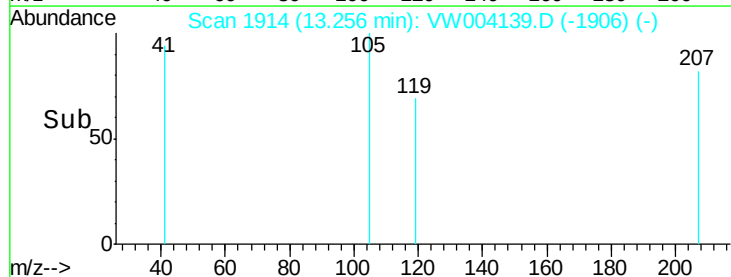
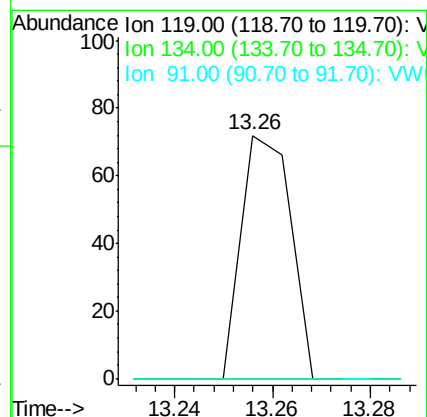
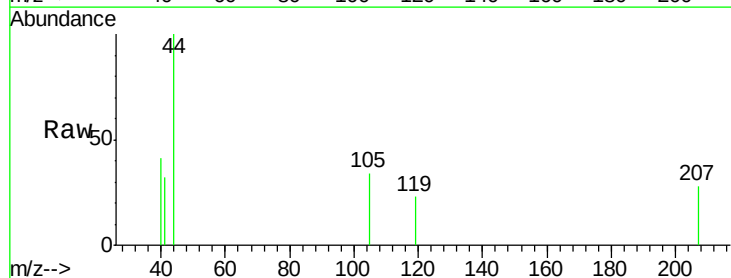
Instrument :  
 MSVOA\_W  
 ClientSampleId :

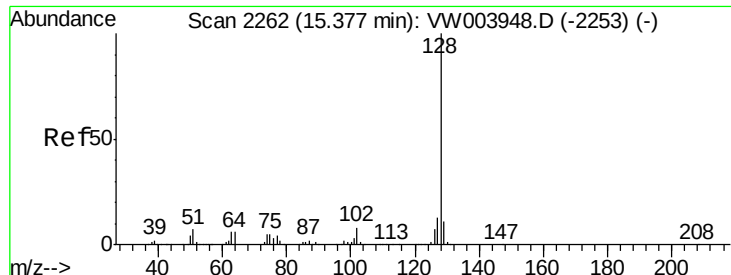
Tot Ion:105 Resp: 236  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 9.8 29.4#



#86  
 p-Isopropyltoluene  
 Concen: 1.610 ug/l  
 RT: 13.26 min Scan# 1914  
 Delta R.T. -0.25 min  
 Lab File: VW004139.D  
 Acq: 23 Jul 2018 16:03

Tgt Ion:119 Resp: 50  
 Ion Ratio Lower Upper  
 119 100  
 134 0.0 13.0 38.9#  
 91 0.0 11.8 35.3#

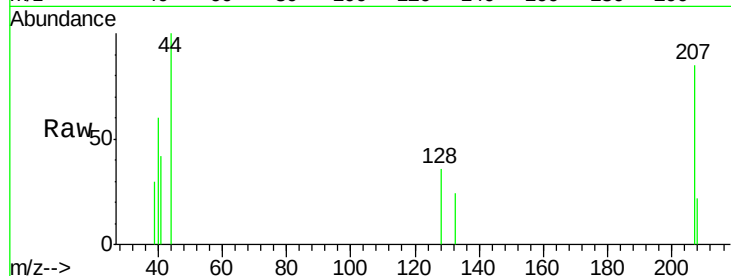




#95  
 Naphthalene  
 Concen: 2.736 ug/l  
 RT: 15.37 min Scan# 2261  
 Delta R.T. -0.01 min  
 Lab File: VW004139.D  
 Acq: 23 Jul 2018 16:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 0.0   | 10.7  | 16.1# |
| 129     | 0.0   | 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

