

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW062318\  
 Data File : VW003474.D  
 Acq On : 23 Jun 2018 21:12  
 Operator : SY/AP  
 Sample : J3664-17  
 Misc : 6.31G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WP021SB485-29-31-180619

Quant Time: Jun 25 02:40:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W061318S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 05:18:54 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 178444   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 303409   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 245710   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 103716   | 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   | 739      | 0.38  | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 0.76%  |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 551      | 0.29  | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 0.58%  |          |
| 50) Toluene-d8              | 10.33 | 98   | 9161     | 1.23  | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 2.46%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 64163    | 24.25 | ug/l   | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 48.50% |          |

| Target Compounds              | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|-------|------|----------|---------|--------|--------|
| 13) Acrolein                  | 3.90  | 56   | 478      | 3.225   | ug/l   | 99     |
| 16) Acetone                   | 4.15  | 43   | 80055    | 197.486 | ug/l   | 92     |
| 17) Carbon Disulfide          | 4.37  | 76   | 13717    | 2.872   | ug/l   | 99     |
| 18) Methyl Acetate            | 4.68  | 43   | 2885     | 3.000   | ug/l # | 78     |
| 20) Methylene Chloride        | 4.92  | 84   | 13876    | 4.735   | ug/l   | 95     |
| 25) 2-Butanone                | 7.18  | 43   | 25812    | 51.207  | ug/l # | 87     |
| 27) cis-1,2-Dichloroethene    | 7.17  | 96   | 4688     | 2.427   | ug/l   | 93     |
| 29) Tetrahydrofuran           | 7.56  | 42   | 597      | 1.938   | ug/l # | 78     |
| 30) Chloroform                | 7.68  | 83   | 3783     | 1.111   | ug/l   | 97     |
| 31) Cyclohexane               | 7.96  | 56   | 11448    | 3.665   | ug/l # | 62     |
| 36) 1,1-Dichloropropene       | 7.95  | 75   | 13928    | 4.753   | ug/l # | 51     |
| 37) Ethyl Acetate             | 7.18  | 43   | 25812    | 21.264  | ug/l # | 73     |
| 38) Carbon Tetrachloride      | 7.95  | 117  | 17704    | 6.160   | ug/l # | 16     |
| 39) Methylcyclohexane         | 9.34  | 83   | 101053   | 29.806  | ug/l   | 96     |
| 40) Benzene                   | 8.33  | 78   | 17380    | 2.152   | ug/l   | 93     |
| 43) Isopropyl Acetate         | 8.42  | 43   | 3248     | 1.348   | ug/l # | 53     |
| 48) Methyl methacrylate       | 9.52  | 41   | 5041     | 4.450   | ug/l # | 55     |
| 55) 1,1,2-Trichloroethane     | 10.76 | 97   | 26467    | 17.839  | ug/l # | 20     |
| 56) Ethyl methacrylate        | 10.67 | 69   | 14612    | 8.111   | ug/l # | 1      |
| 59) 2-Hexanone                | 10.94 | 43   | 56949    | 66.374  | ug/l # | 33     |
| 65) Chlorobenzene             | 11.66 | 112  | 605489   | 118.336 | ug/l   | 99     |
| 73) Isopropylbenzene          | 12.48 | 105  | 33936    | 4.704   | ug/l   | 98     |
| 74) N-amyl acetate            | 12.26 | 43   | 238141   | 145.034 | ug/l # | 45     |
| 75) 1,1,2,2-Tetrachloroethane | 12.69 | 83   | 48580    | 39.805  | ug/l # | 26     |
| 78) n-propylbenzene           | 12.81 | 91   | 32909    | 3.726   | ug/l   | 87     |
| 79) 2-Chlorotoluene           | 12.90 | 91   | 15096    | 3.024   | ug/l # | 41     |
| 82) 4-Chlorotoluene           | 12.95 | 91   | 13273    | 2.506   | ug/l # | 52     |
| 83) tert-Butylbenzene         | 13.21 | 119  | 78860    | 15.282  | ug/l   | 90     |
| 84) 1,2,4-Trimethylbenzene    | 13.12 | 105  | 48444    | 7.778   | ug/l   | 79     |
| 85) sec-Butylbenzene          | 13.39 | 105  | 806962   | 105.206 | ug/l # | 62     |
| 86) p-Isopropyltoluene        | 13.66 | 119  | 426362   | 63.023  | ug/l   | 94     |
| 87) 1,3-Dichlorobenzene       | 13.51 | 146  | 11561    | 3.350   | ug/l # | 1      |
| 88) 1,4-Dichlorobenzene       | 13.58 | 146  | 57627    | 16.796  | ug/l # | 6      |
| 89) n-Butylbenzene            | 13.83 | 91   | 764968   | 116.003 | ug/l # | 78     |

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Operator : SY/AP  
Sample : J3664-17  
Misc : 6.31G/5ML/MSVOA\_W/SOIL  
ALS Vial : 24 Sample Multiplier: 1

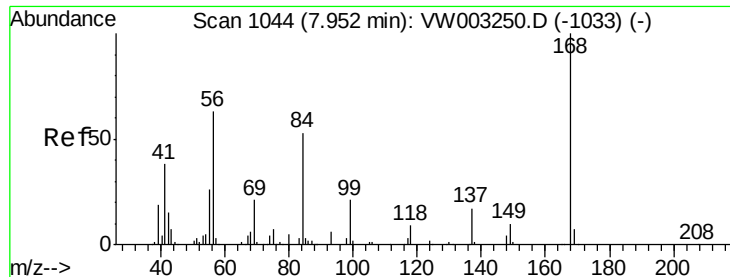
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP021SB485-29-31-180619

Quant Time: Jun 25 02:40:12 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W061318S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 05:18:54 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 90) Hexachloroethane           | 14.11 | 117  | 405343   | 331.215 | ug/l # | 10       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 22195    | 7.342   | ug/l # | 74       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 4720     | 22.982  | ug/l # | 4        |
| 95) Naphthalene                | 15.38 | 128  | 4381     | 1.217   | ug/l # | 69       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

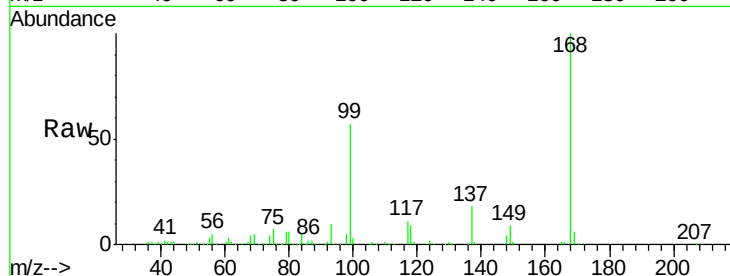
WP021SB485-29-31-180619

Tgt Ion:168 Resp: 178444

Ion Ratio Lower Upper

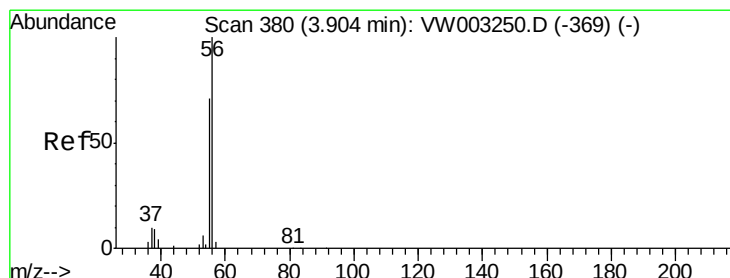
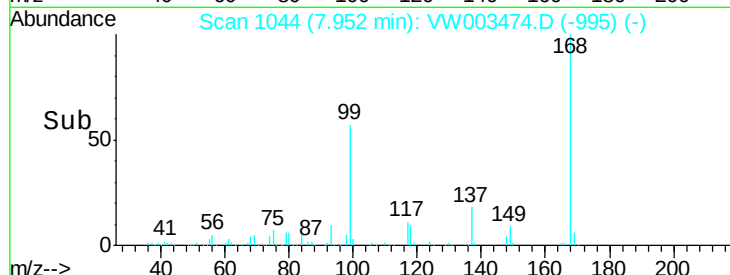
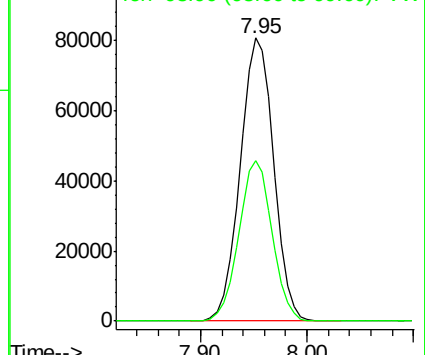
168 100

99 56.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 3.225 ug/l

RT: 3.90 min Scan# 380

Delta R.T. 0.00 min

Lab File: VW003474.D

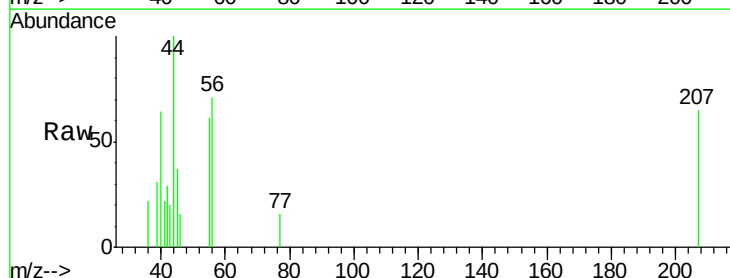
Acq: 23 Jun 2018 21:12

Tgt Ion: 56 Resp: 478

Ion Ratio Lower Upper

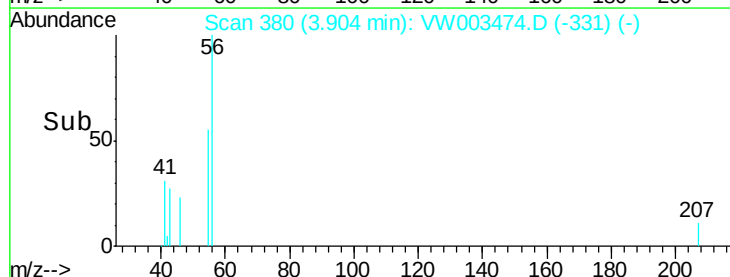
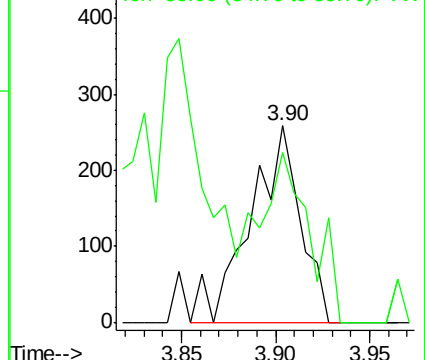
56 100

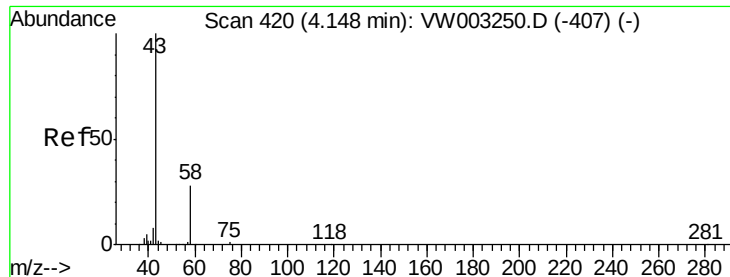
55 68.2 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 197.486 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

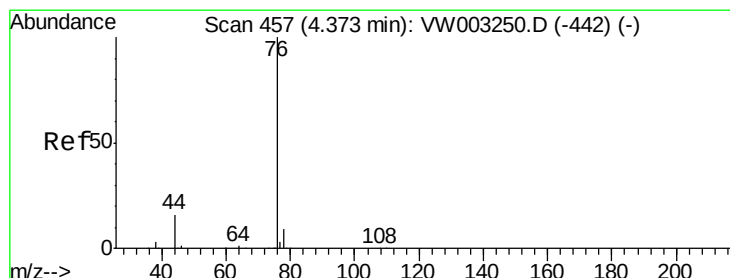
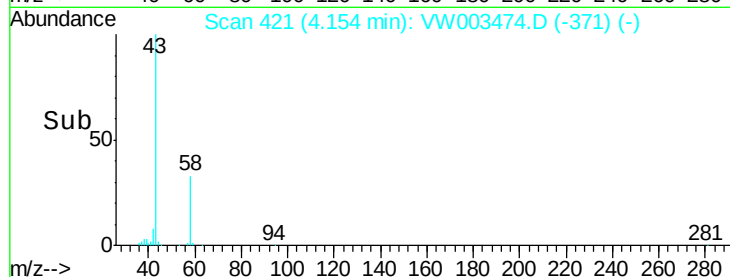
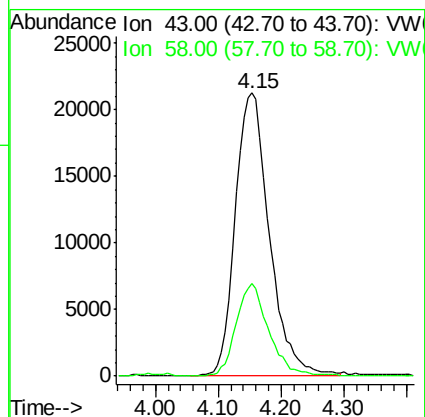
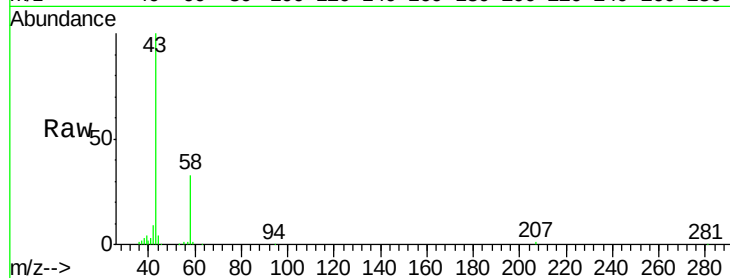
WP021SB485-29-31-180619

Tgt Ion: 43 Resp: 80055

Ion Ratio Lower Upper

43 100

58 32.5 22.6 34.0



#17

Carbon Disulfide

Concen: 2.872 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003474.D

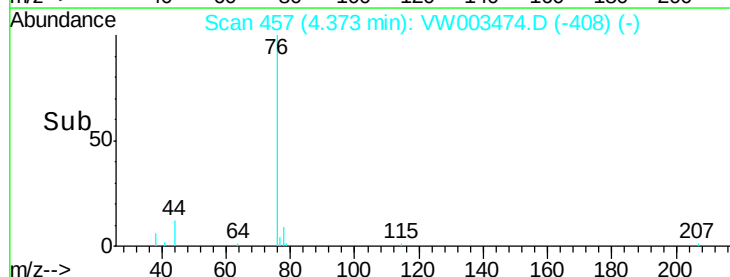
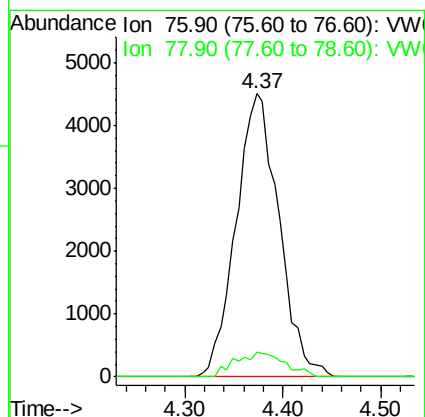
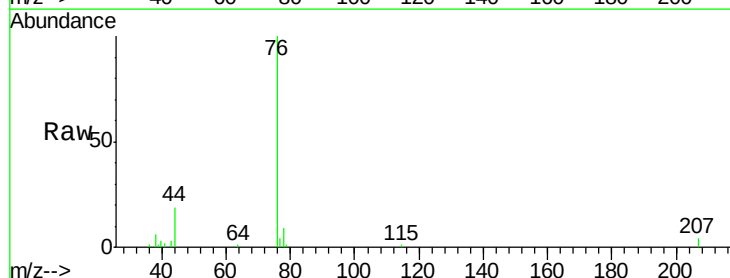
Acq: 23 Jun 2018 21:12

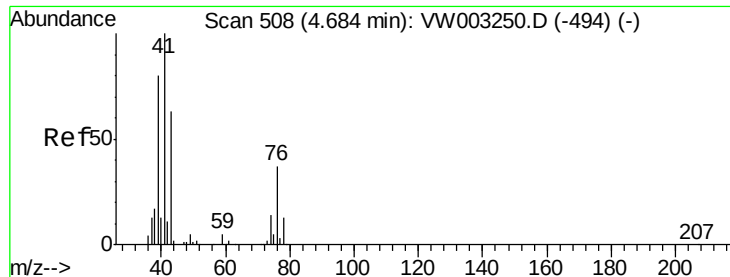
Tgt Ion: 76 Resp: 13717

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7

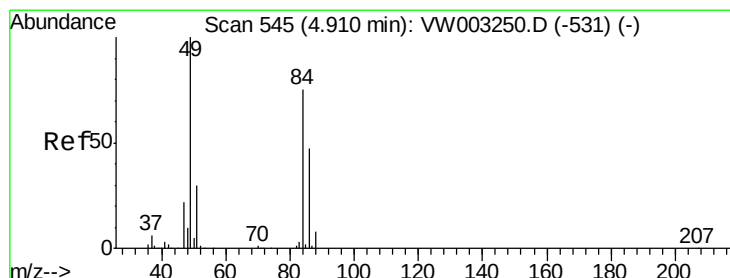
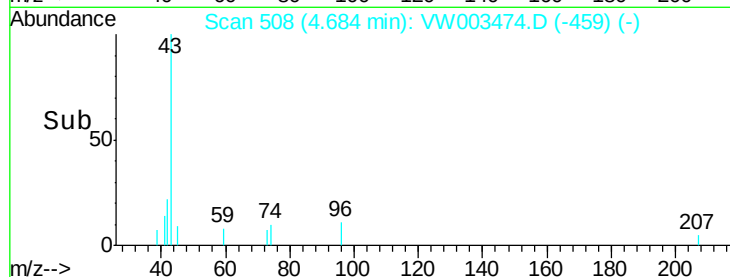
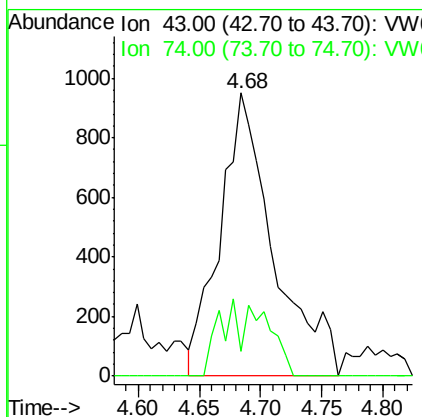
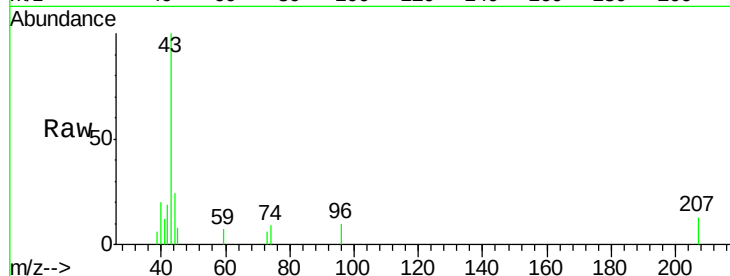




#18  
Methyl Acetate  
Concen: 3.000 ug/l  
RT: 4.68 min Scan# 508  
Delta R.T. 0.00 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

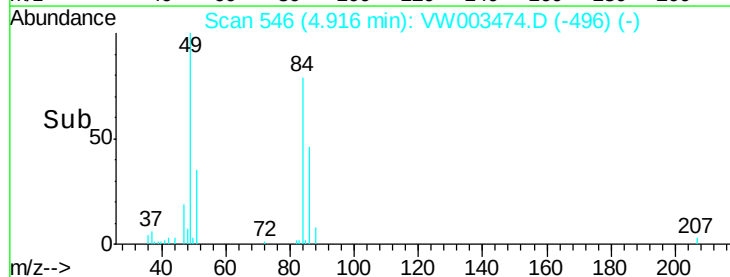
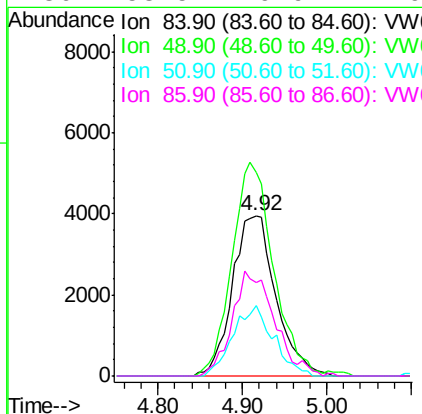
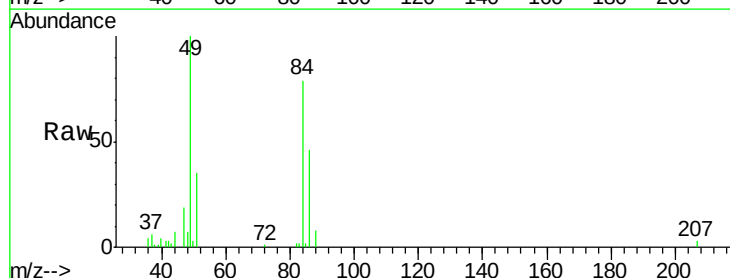
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP021SB485-29-31-180619

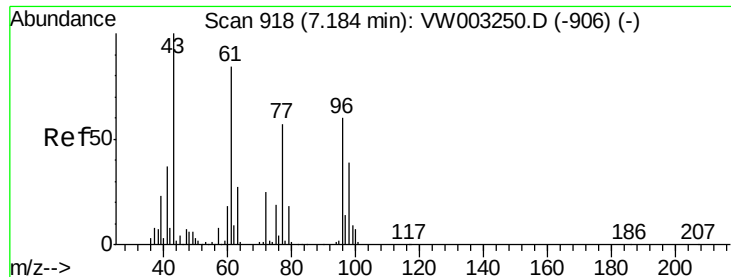
Tgt Ion: 43 Resp: 2885  
Ion Ratio Lower Upper  
43 100  
74 12.7 18.7 28.1#



#20  
Methylene Chloride  
Concen: 4.735 ug/l  
RT: 4.92 min Scan# 546  
Delta R.T. 0.01 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

Tgt Ion: 84 Resp: 13876  
Ion Ratio Lower Upper  
84 100  
49 127.0 106.3 159.5  
51 43.9 32.0 48.0  
86 58.5 49.9 74.9





#25

2-Butanone

Concen: 51.207 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

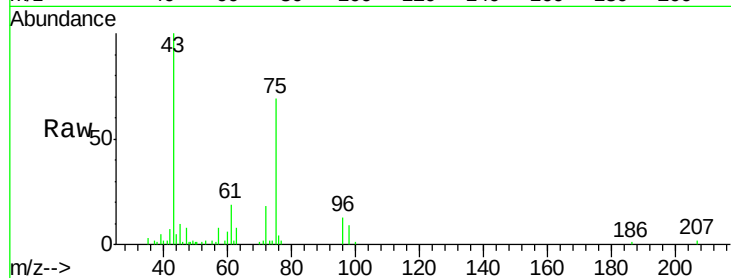
WP021SB485-29-31-180619

Tgt Ion: 43 Resp: 25812

Ion Ratio Lower Upper

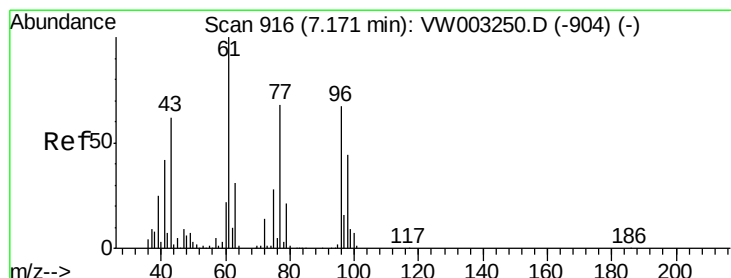
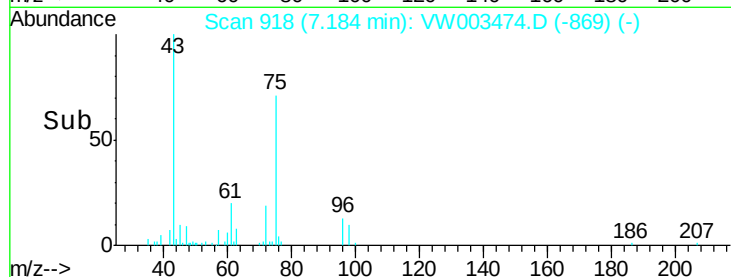
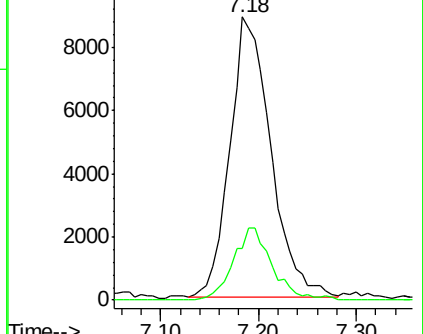
43 100

72 18.7 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#27

cis-1,2-Dichloroethene

Concen: 2.427 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

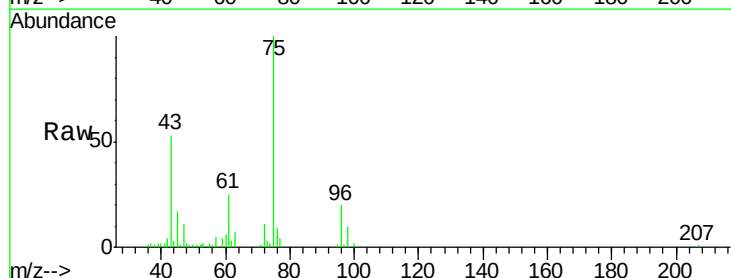
Tgt Ion: 96 Resp: 4688

Ion Ratio Lower Upper

96 100

61 139.2 0.0 298.8

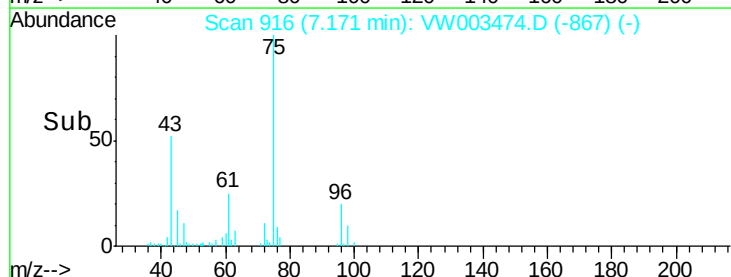
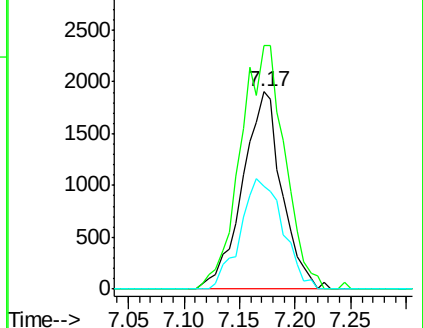
98 60.2 0.0 130.4

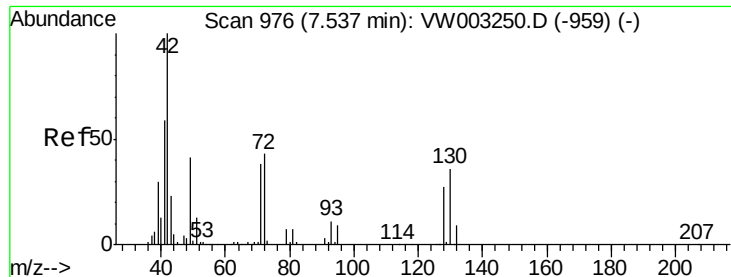


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

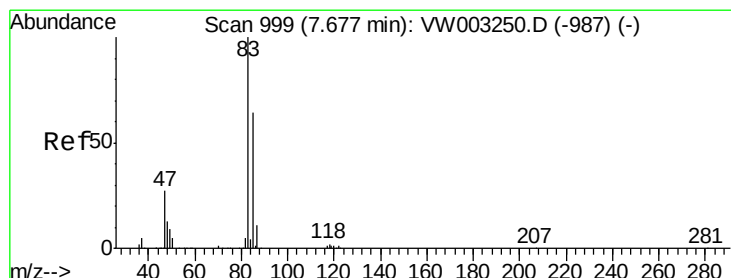
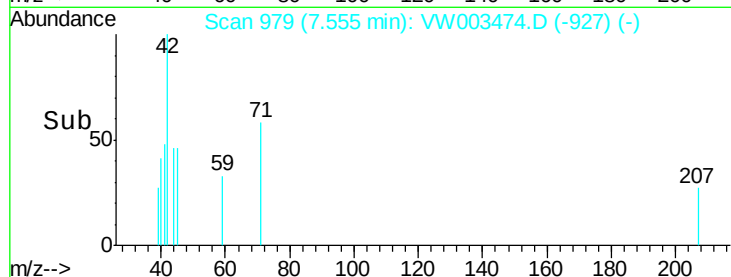
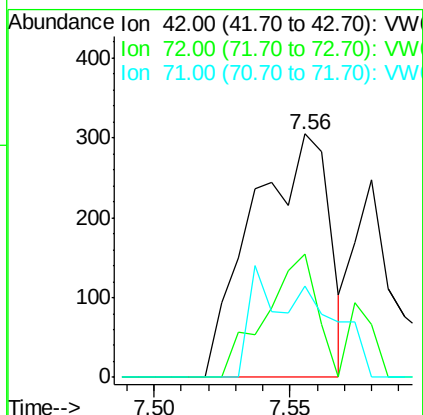
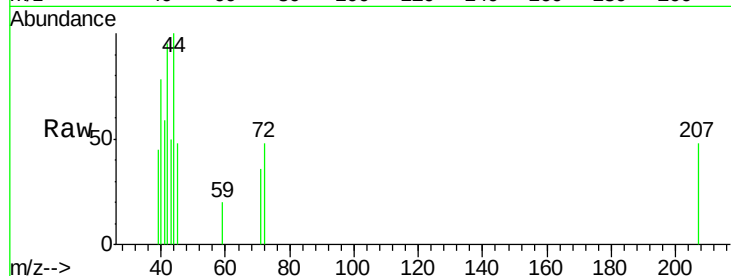




#29  
Tetrahydrofuran  
Concen: 1.938 ug/l  
RT: 7.56 min Scan# 979  
Delta R.T. 0.02 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

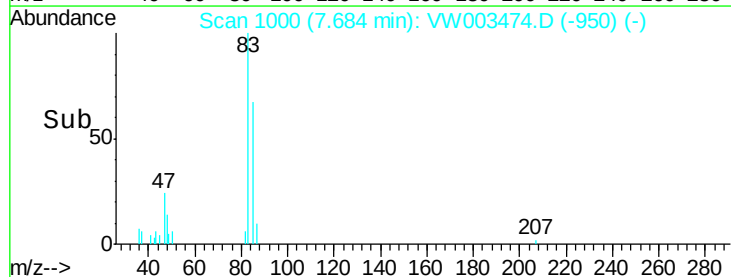
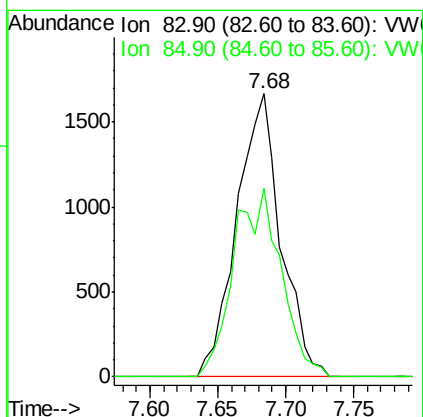
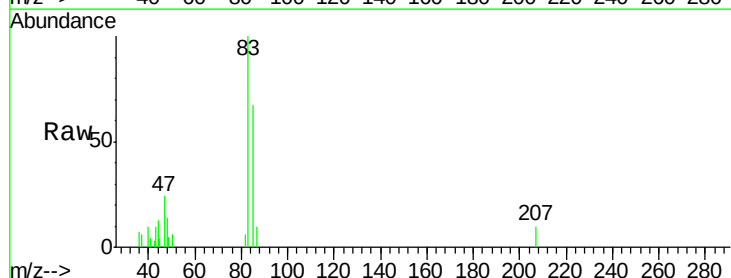
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP021SB485-29-31-180619

Tgt Ion: 42 Resp: 597  
Ion Ratio Lower Upper  
42 100  
72 33.8 32.4 48.6  
71 18.6 31.2 46.8#

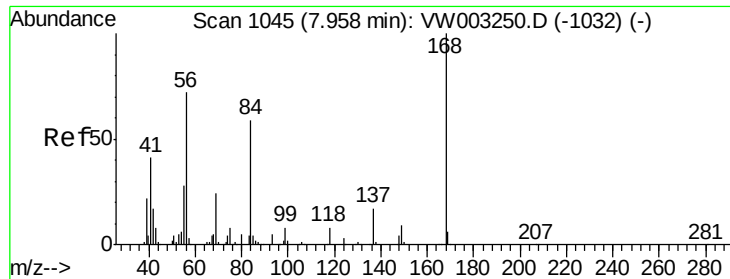


#30  
Chloroform  
Concen: 1.111 ug/l  
RT: 7.68 min Scan# 1000  
Delta R.T. 0.01 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

Tgt Ion: 83 Resp: 3783  
Ion Ratio Lower Upper  
83 100  
85 66.7 51.3 76.9







#31

Cyclohexane

Concen: 3.665 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

WP021SB485-29-31-180619

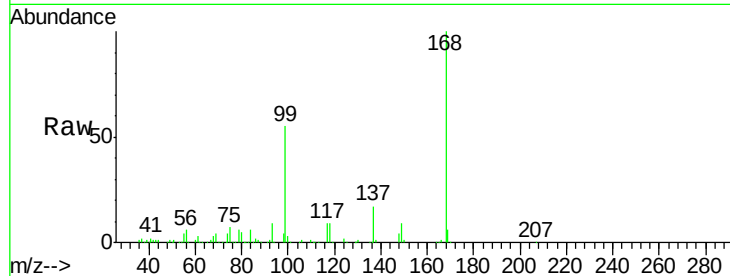
Tgt Ion: 56 Resp: 11448

Ion Ratio Lower Upper

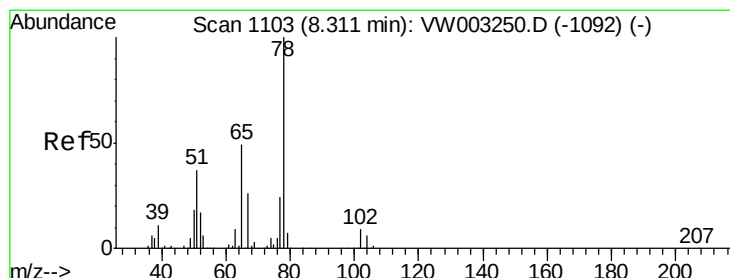
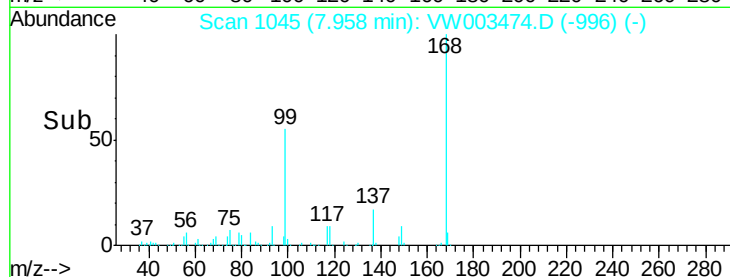
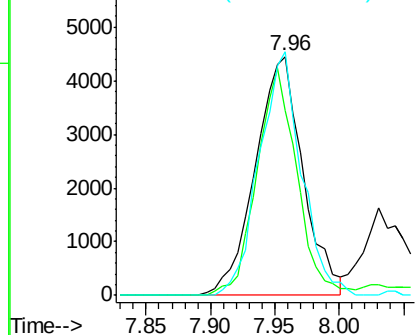
56 100

69 77.2 26.3 39.5#

84 101.8 65.7 98.5#



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



#33

1,2-Dichloroethane-d4

Concen: 0.382 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003474.D

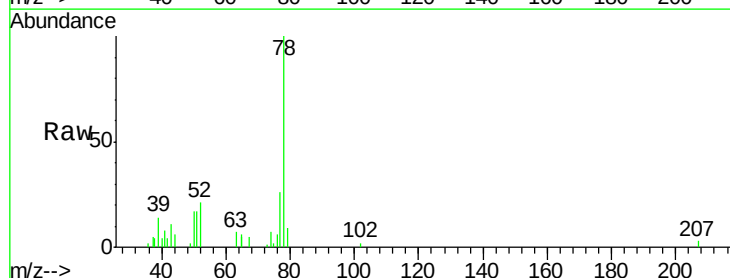
Acq: 23 Jun 2018 21:12

Tgt Ion: 65 Resp: 739

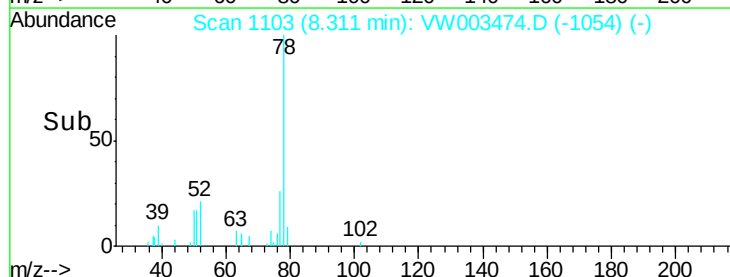
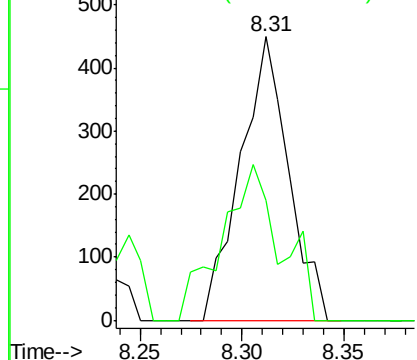
Ion Ratio Lower Upper

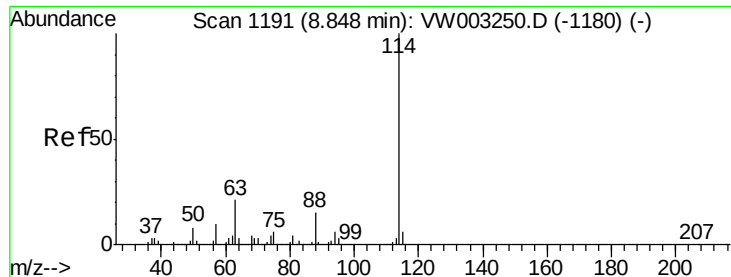
65 100

67 67.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW  
Ion 66.90 (66.60 to 67.60): VW

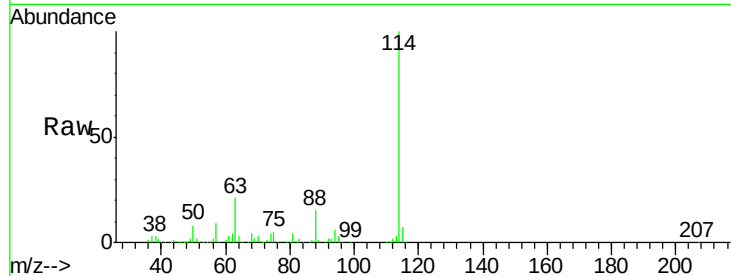




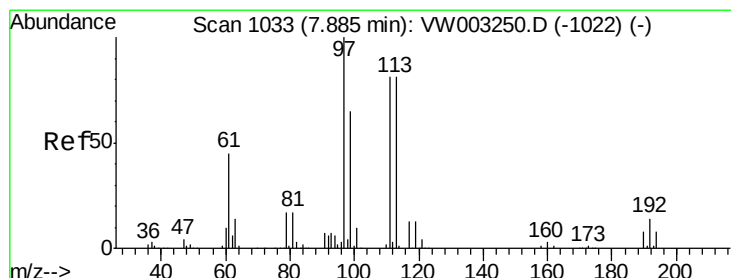
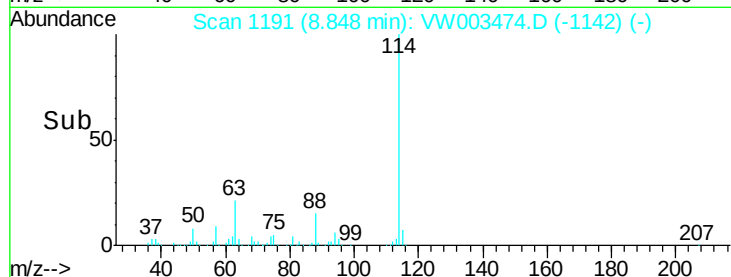
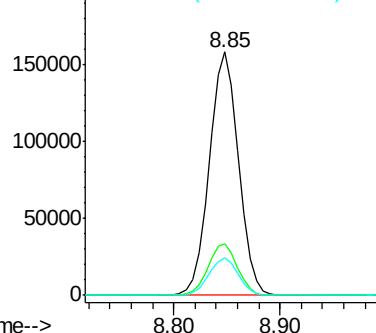
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VW003474.D  
 Acq: 23 Jun 2018 21:12

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WP021SB485-29-31-180619

Tgt Ion:114 Resp: 303409  
 Ion Ratio Lower Upper  
 114 100  
 63 21.2 0.0 43.0  
 88 15.4 0.0 29.6

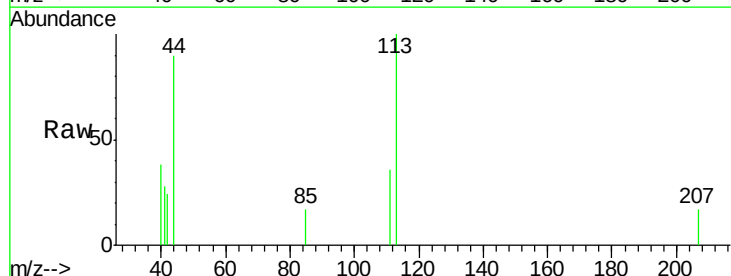


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

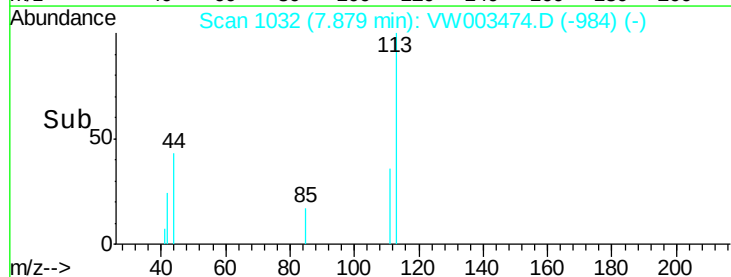
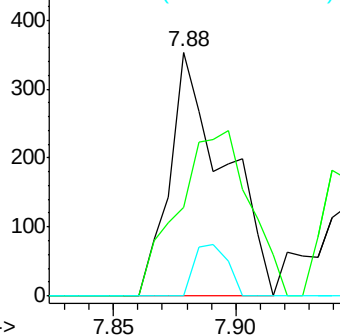


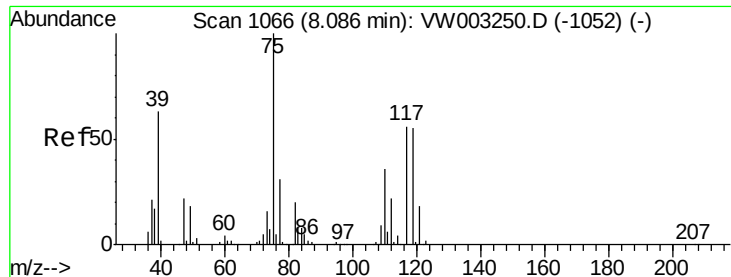
#35  
 Dibromofluoromethane  
 Concen: 0.292 ug/l  
 RT: 7.88 min Scan# 1032  
 Delta R.T. -0.01 min  
 Lab File: VW003474.D  
 Acq: 23 Jun 2018 21:12

Tgt Ion:113 Resp: 551  
 Ion Ratio Lower Upper  
 113 100  
 111 88.0 82.2 123.2  
 192 13.1 16.2 24.2#



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: 4.753 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.14 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

WP021SB485-29-31-180619

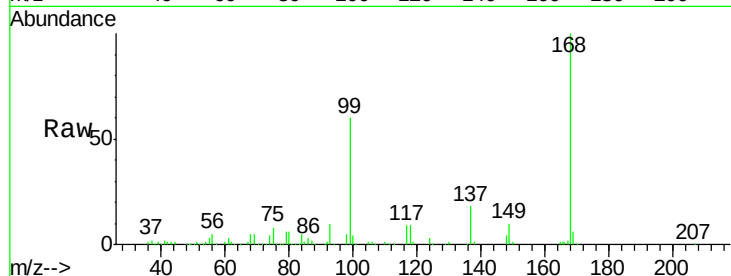
Tgt Ion: 75 Resp: 13928

Ion Ratio Lower Upper

75 100

110 8.5 17.1 51.3#

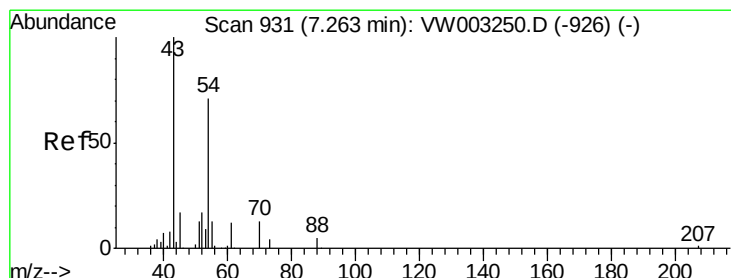
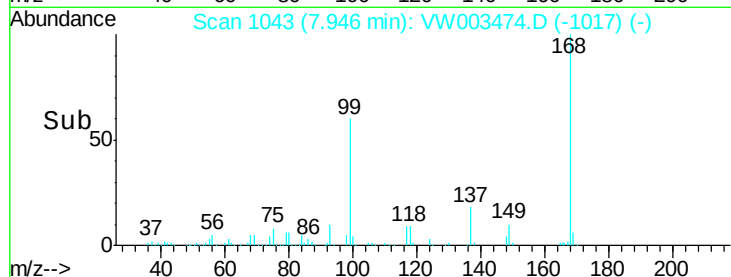
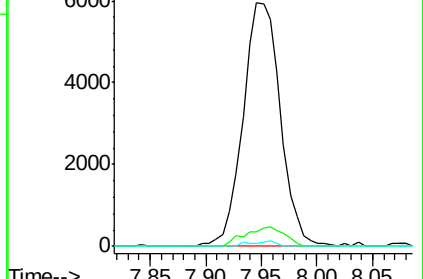
77 1.5 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 21.264 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.08 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

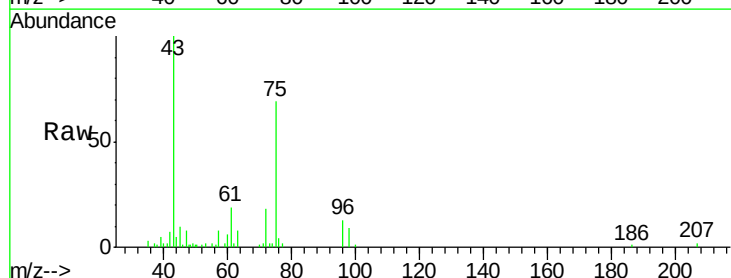
Tgt Ion: 43 Resp: 25812

Ion Ratio Lower Upper

43 100

61 25.3 10.8 16.2#

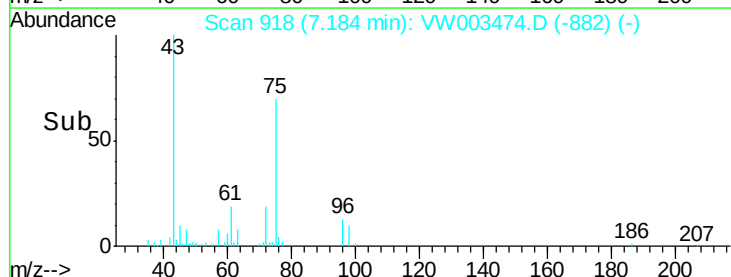
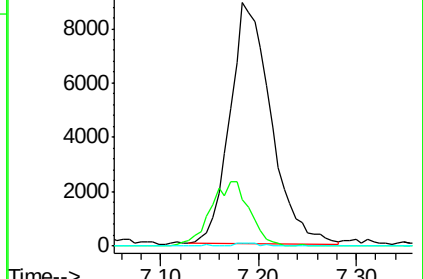
70 0.7 7.8 11.6#

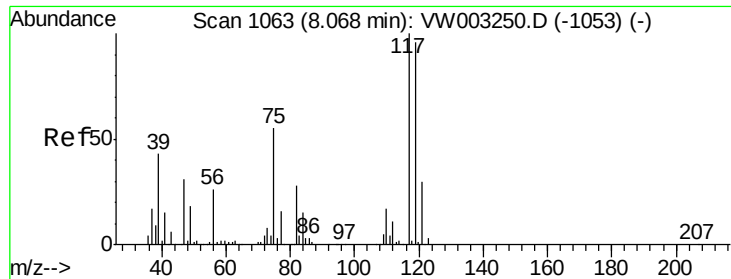


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

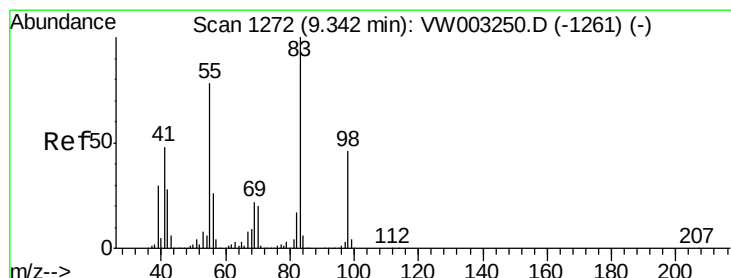
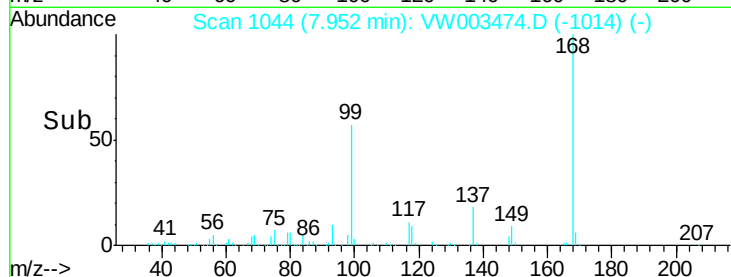
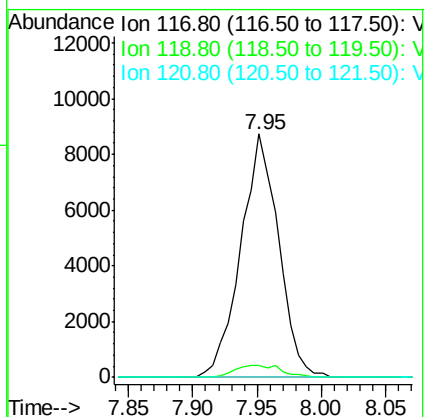
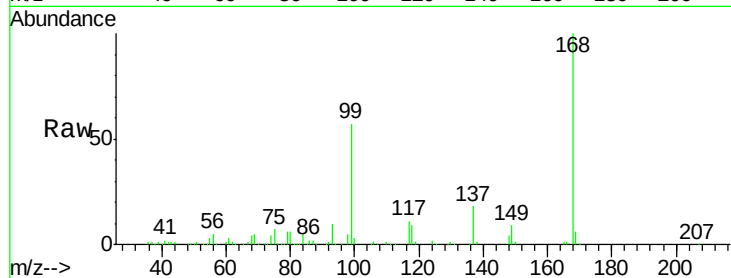




#38  
Carbon Tetrachloride  
Concen: 6.160 ug/l  
RT: 7.95 min Scan# 1044  
Delta R.T. -0.12 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

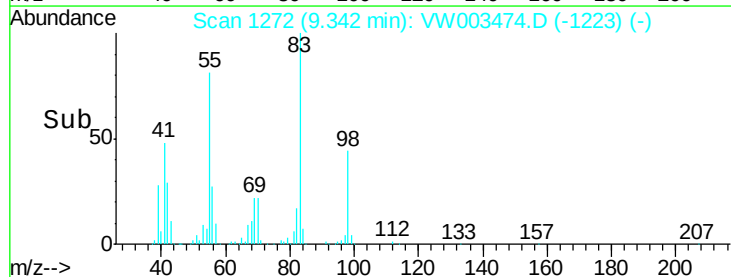
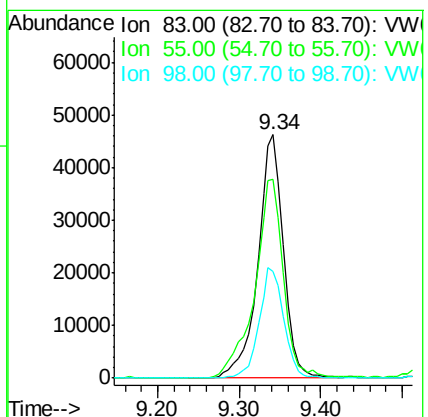
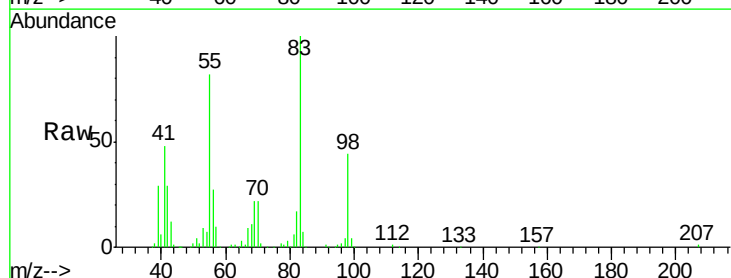
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP021SB485-29-31-180619

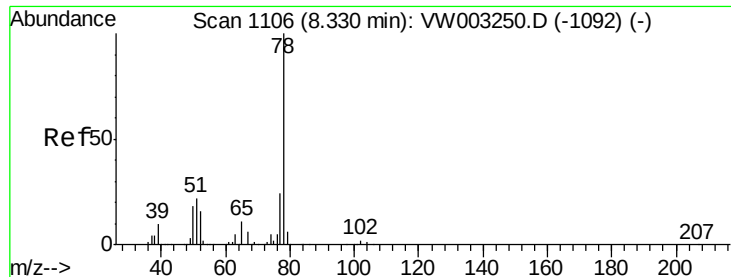
Tgt Ion:117 Resp: 17704  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.6 115.0#  
121 0.0 23.9 35.9#



#39  
Methylcyclohexane  
Concen: 29.806 ug/l  
RT: 9.34 min Scan# 1272  
Delta R.T. 0.00 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

Tgt Ion: 83 Resp: 101053  
Ion Ratio Lower Upper  
83 100  
55 81.6 62.6 93.8  
98 44.0 37.0 55.4

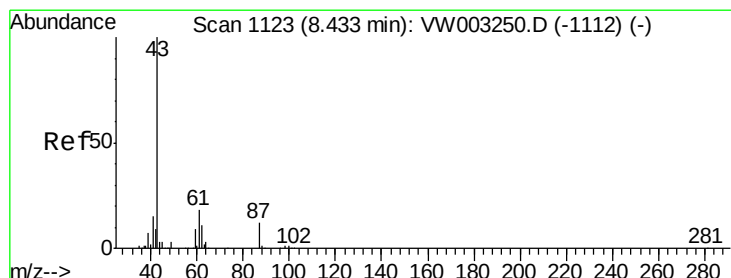
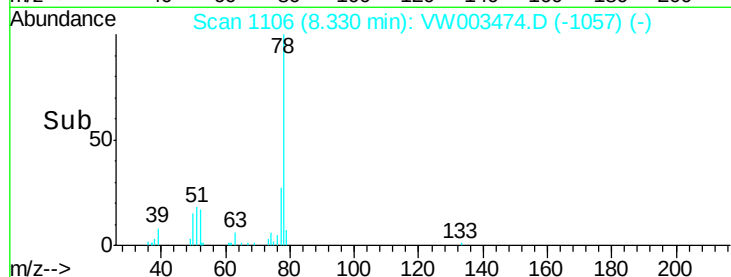
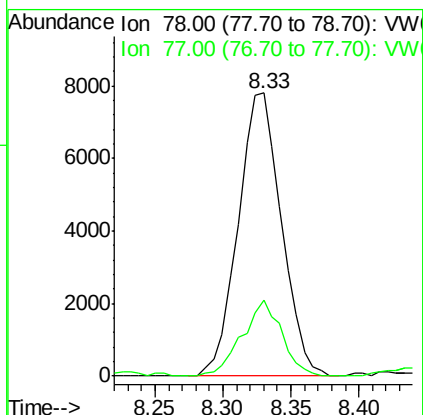
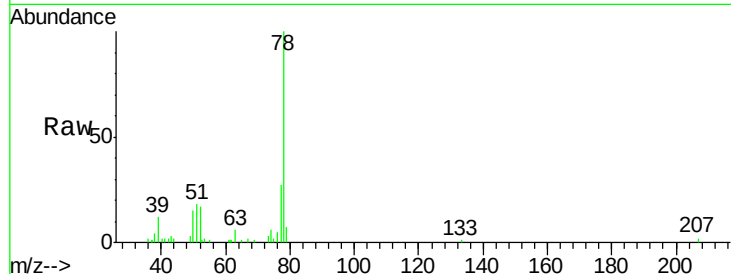




#40  
Benzene  
Concen: 2.152 ug/l  
RT: 8.33 min Scan# 1106  
Delta R.T. 0.00 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

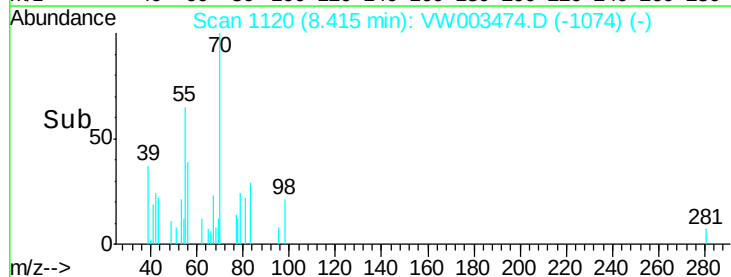
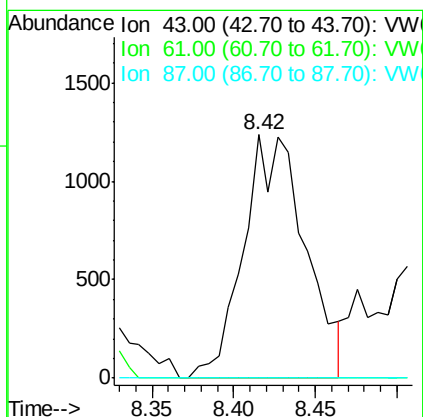
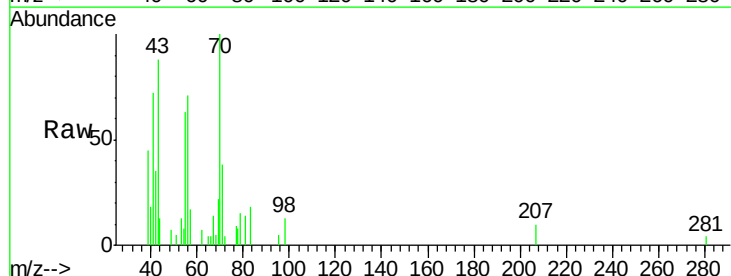
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP021SB485-29-31-180619

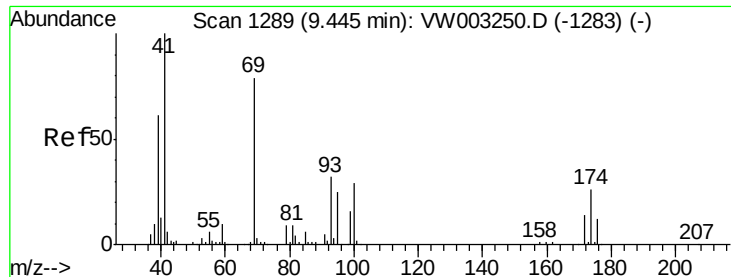
Tgt Ion: 78 Resp: 17380  
Ion Ratio Lower Upper  
78 100  
77 27.0 19.0 28.6



#43  
Isopropyl Acetate  
Concen: 1.348 ug/l  
RT: 8.42 min Scan# 1120  
Delta R.T. -0.02 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

Tgt Ion: 43 Resp: 3248  
Ion Ratio Lower Upper  
43 100  
61 0.0 23.1 34.7#  
87 0.0 9.8 14.6#

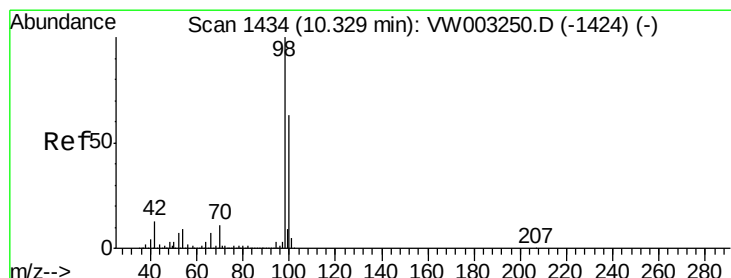
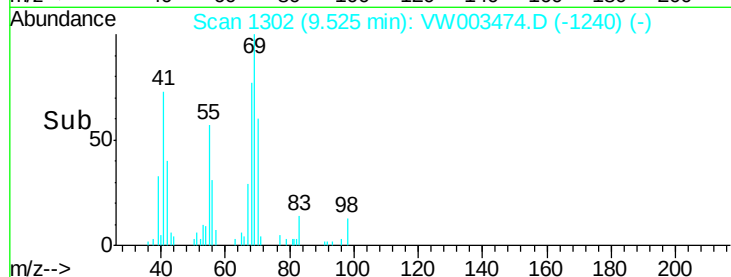
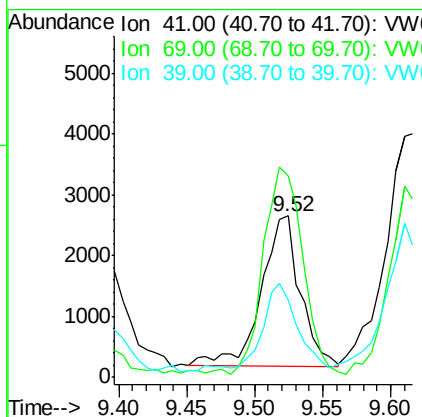
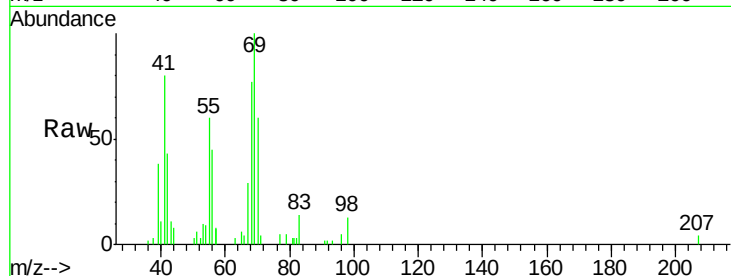




#48  
Methyl methacrylate  
Concen: 4.450 ug/l  
RT: 9.52 min Scan# 1302  
Delta R.T. 0.08 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

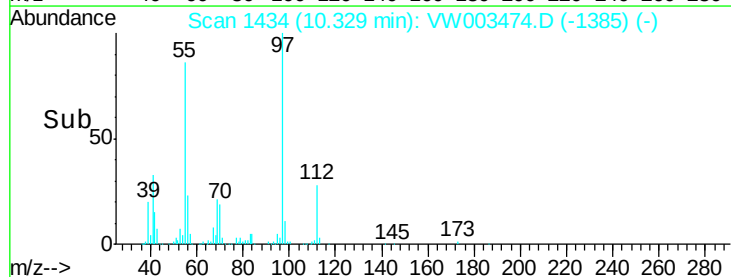
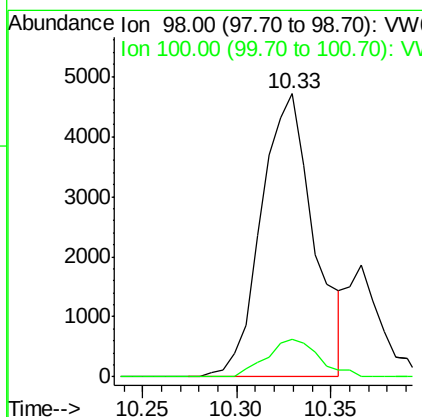
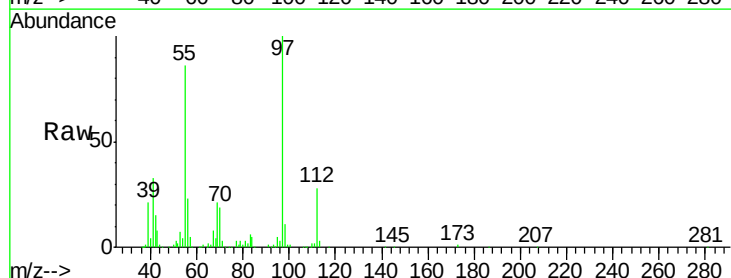
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP021SB485-29-31-180619

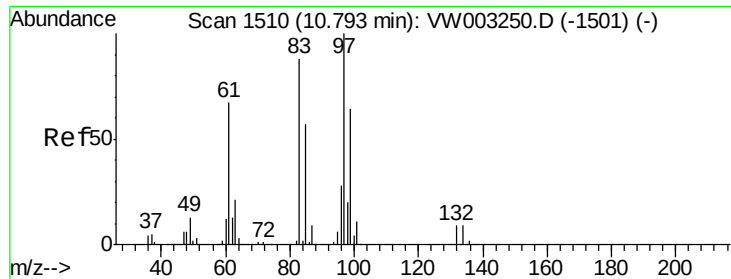
Tgt Ion: 41 Resp: 5041  
Ion Ratio Lower Upper  
41 100  
69 135.9 65.4 98.2#  
39 47.3 54.2 81.2#



#50  
Toluene-d8  
Concen: 1.225 ug/l  
RT: 10.33 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

Tgt Ion: 98 Resp: 9161  
Ion Ratio Lower Upper  
98 100  
100 13.1 50.8 76.2#





#55

1,1,2-Trichloroethane

Concen: 17.839 ug/l

RT: 10.76 min Scan# 1505

Delta R.T. -0.03 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

WP021SB485-29-31-180619

Tgt Ion: 97 Resp: 26467

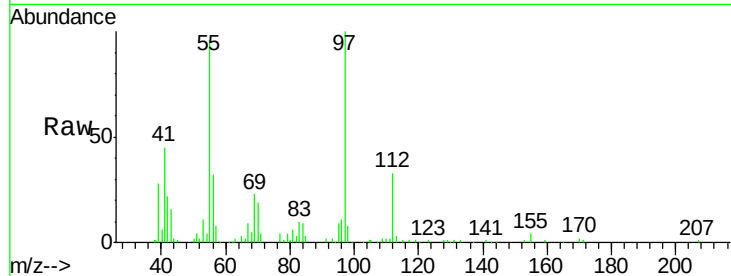
Ion Ratio Lower Upper

97 100

83 9.3 70.2 105.2#

85 3.0 45.6 68.4#

99 0.5 51.2 76.8#

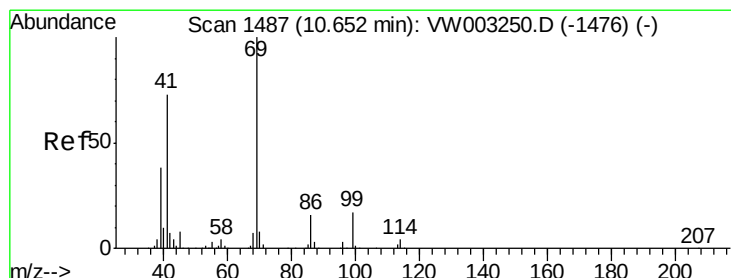
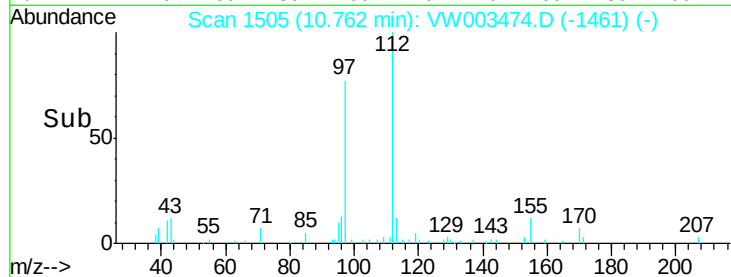
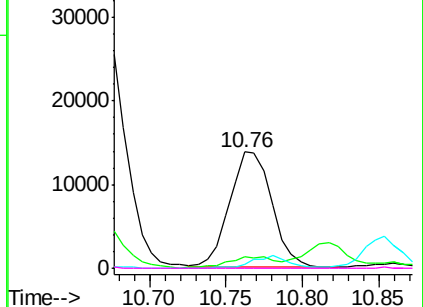


Abundance Ion 96.90 (96.60 to 97.60): VW

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



#56

Ethyl methacrylate

Concen: 8.111 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

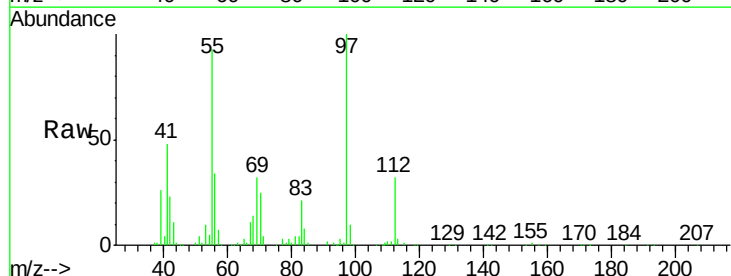
Tgt Ion: 69 Resp: 14612

Ion Ratio Lower Upper

69 100

41 213.3 57.8 86.6#

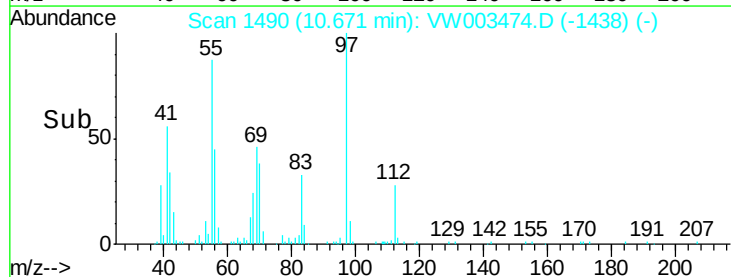
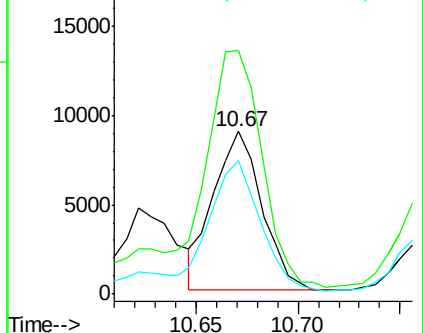
39 86.4 32.7 49.1#

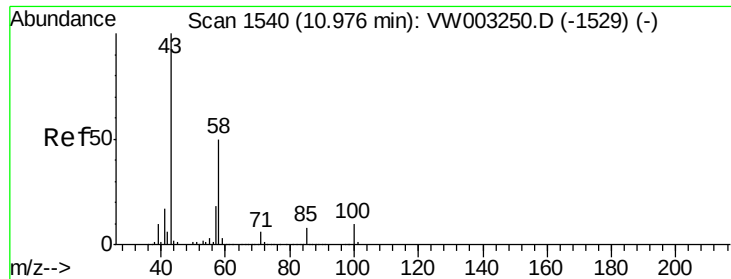


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

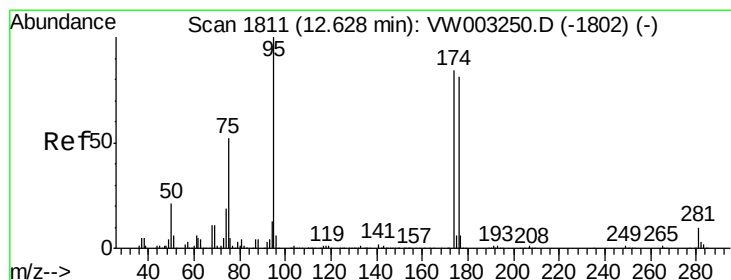
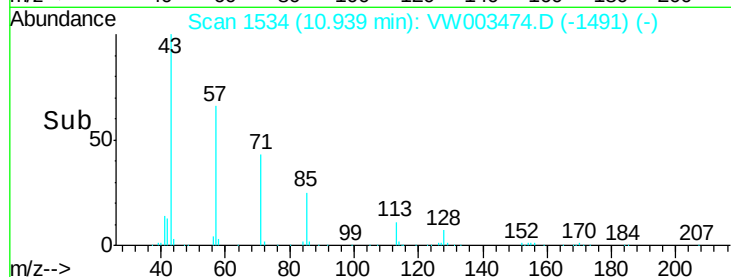
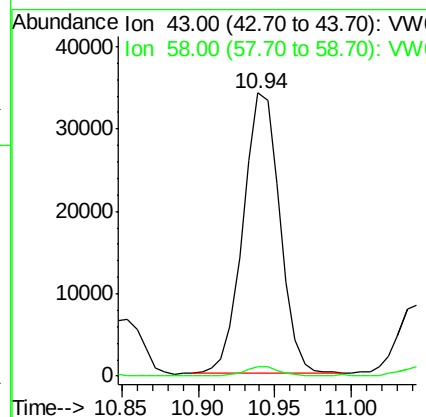
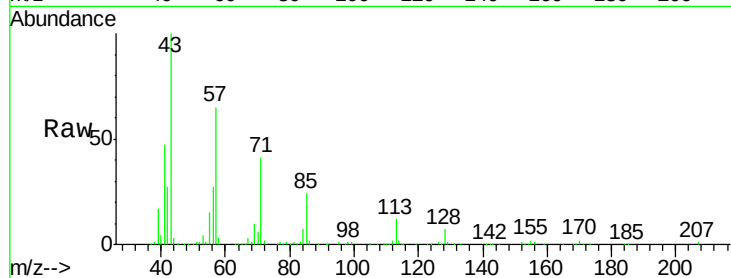




#59  
2-Hexanone  
Concen: 66.374 ug/l  
RT: 10.94 min Scan# 1534  
Delta R.T. -0.04 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

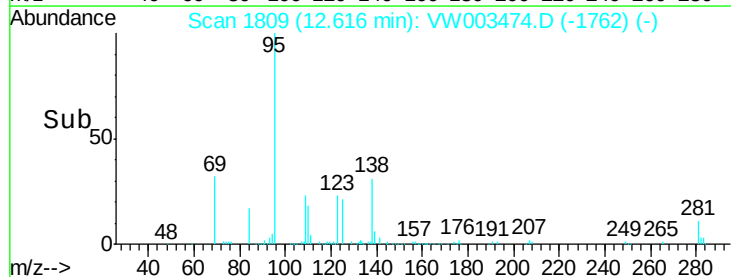
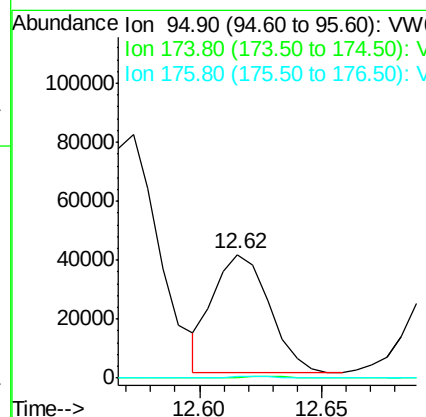
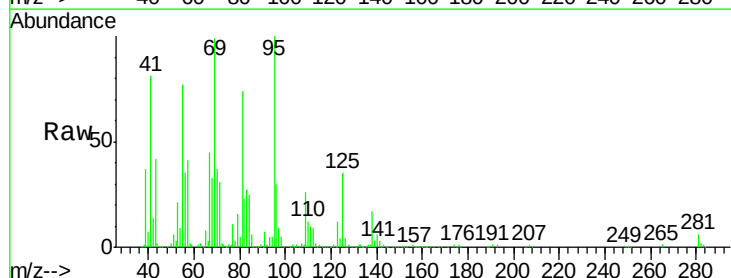
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP021SB485-29-31-180619

Tgt Ion: 43 Resp: 56949  
Ion Ratio Lower Upper  
43 100  
58 3.8 25.0 75.0#

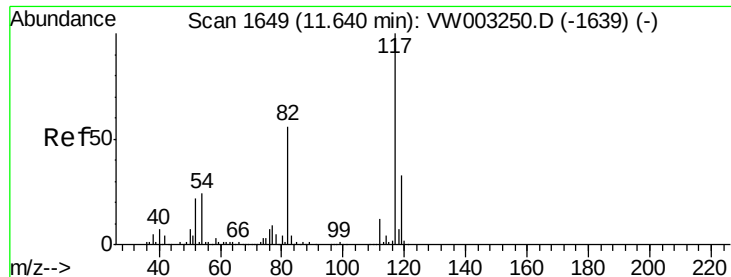


#62  
4-Bromofluorobenzene  
Concen: 24.253 ug/l  
RT: 12.62 min Scan# 1809  
Delta R.T. -0.01 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

Tgt Ion: 95 Resp: 64163  
Ion Ratio Lower Upper  
95 100  
174 1.4 0.0 166.4  
176 1.2 0.0 162.0



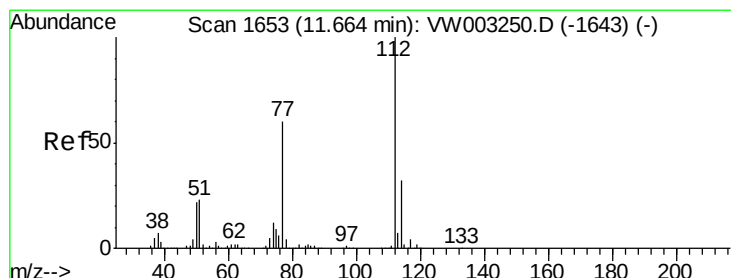
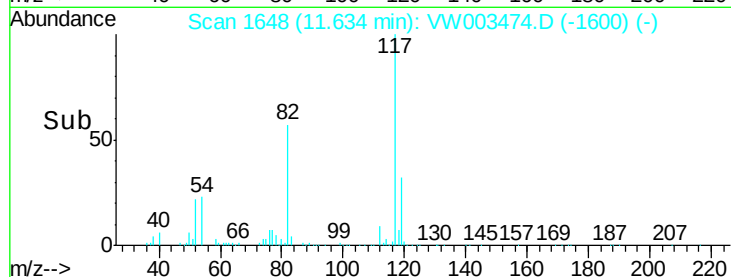
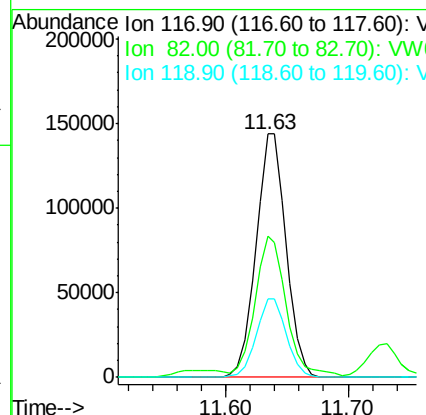
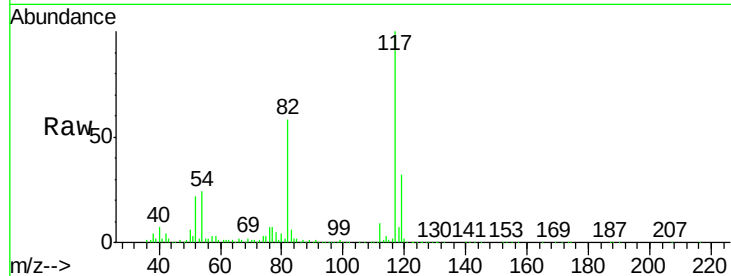




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.01 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

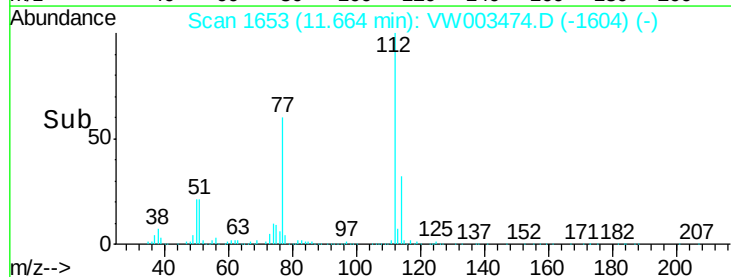
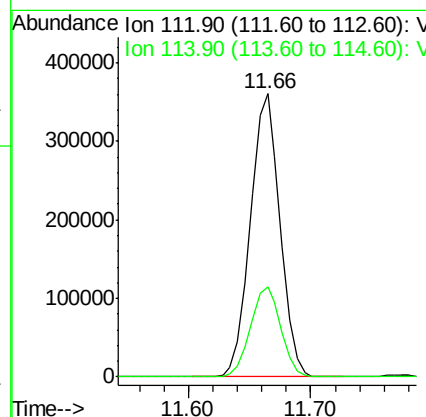
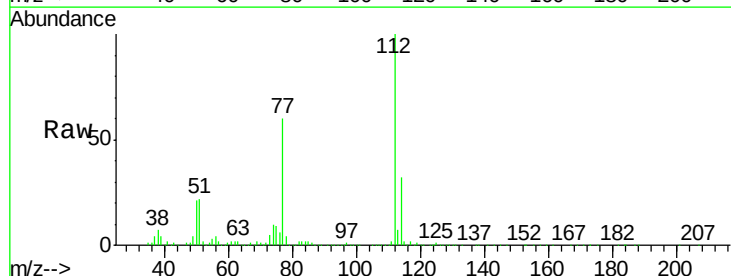
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP021SB485-29-31-180619

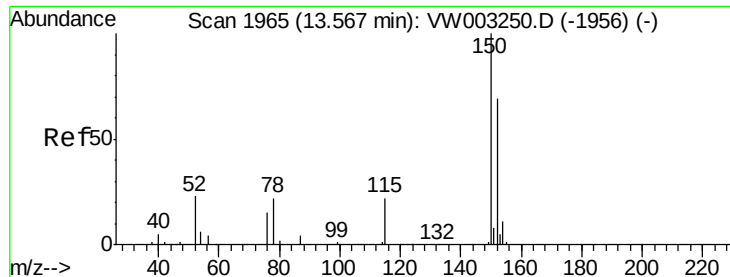
Tgt Ion:117 Resp: 245710  
Ion Ratio Lower Upper  
117 100  
82 56.9 44.6 67.0  
119 32.4 26.7 40.1



#65  
Chlorobenzene  
Concen: 118.336 ug/l  
RT: 11.66 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

Tgt Ion:112 Resp: 605489  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.9 38.9



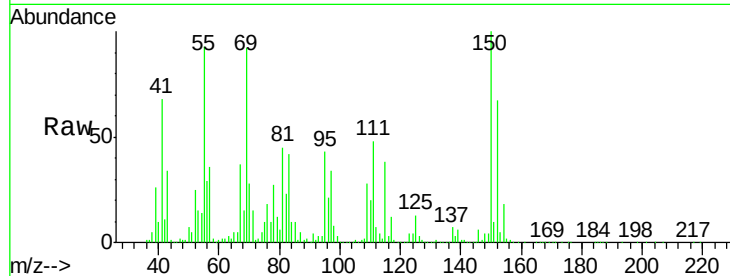


#72

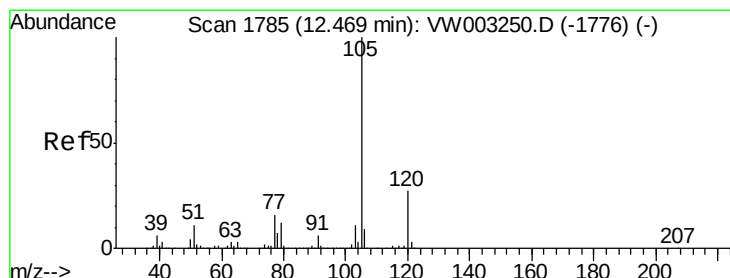
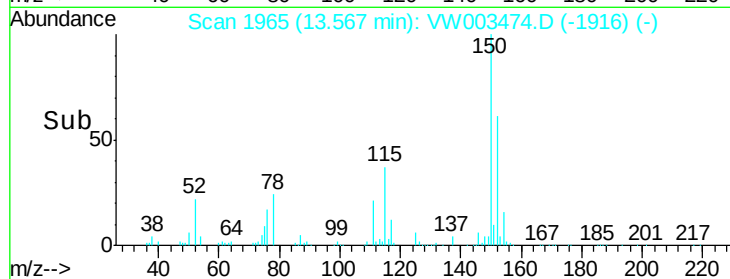
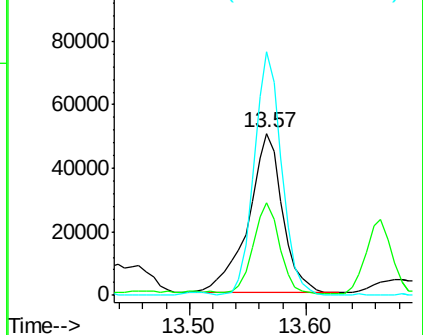
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. 0.00 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP021SB485-29-31-180619

Tgt Ion:152 Resp: 103716  
Ion Ratio Lower Upper  
152 100  
115 44.3 29.3 88.0  
150 120.8 0.0 349.6



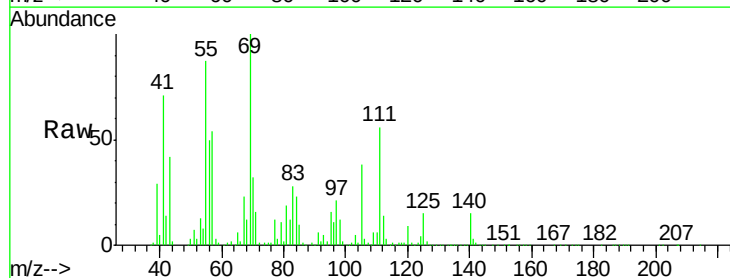
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



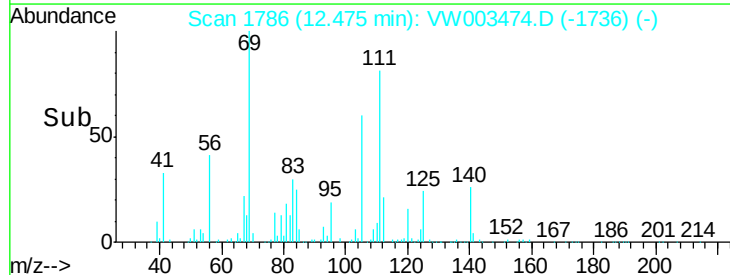
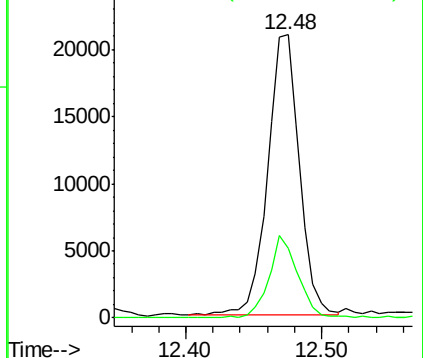
#73

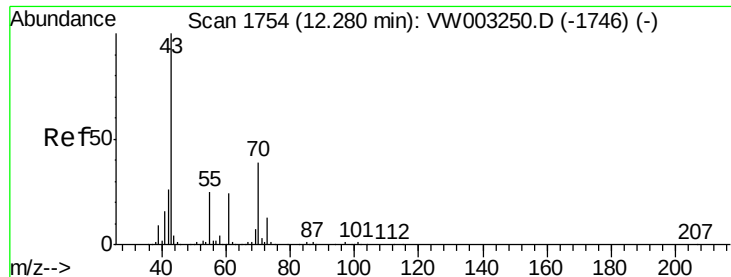
Isopropylbenzene  
Concen: 4.704 ug/l  
RT: 12.48 min Scan# 1786  
Delta R.T. 0.01 min  
Lab File: VW003474.D  
Acq: 23 Jun 2018 21:12

Tgt Ion:105 Resp: 33936  
Ion Ratio Lower Upper  
105 100  
120 27.4 13.2 39.6



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





#74

N-amyI acetate

Concen: 145.034 ug/l

RT: 12.26 min Scan# 1751

Delta R.T. -0.02 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

WP021SB485-29-31-180619

Tgt Ion: 43 Resp: 238141

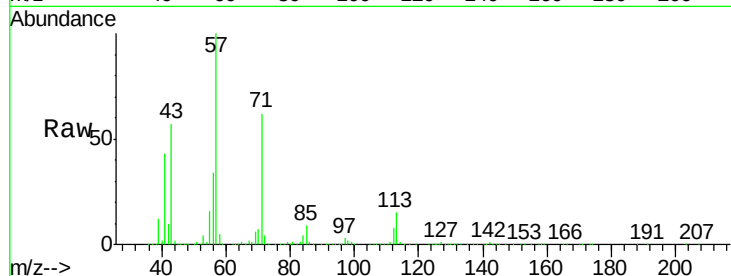
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 19.7 29.5#

61 0.0 18.1 27.1#

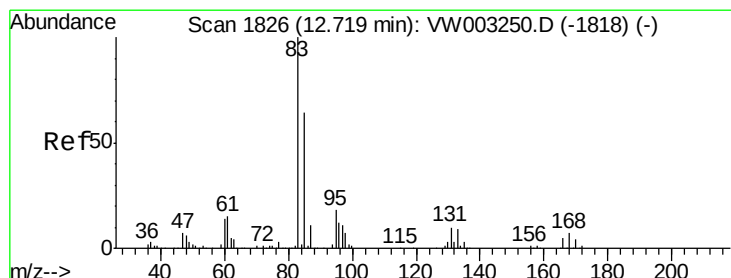
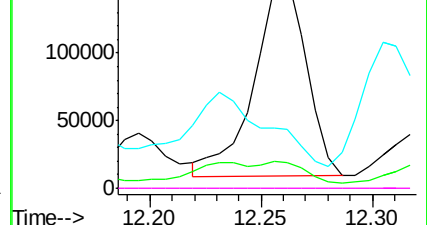
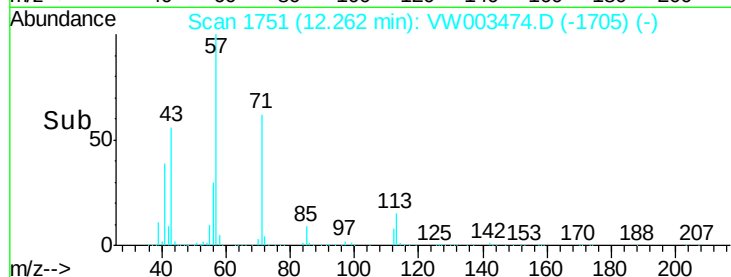


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#75

1,1,2,2-Tetrachloroethane

Concen: 39.805 ug/l

RT: 12.69 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

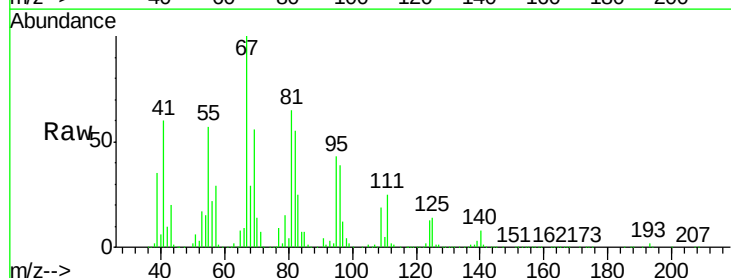
Tgt Ion: 83 Resp: 48580

Ion Ratio Lower Upper

83 100

131 0.8 5.4 16.2#

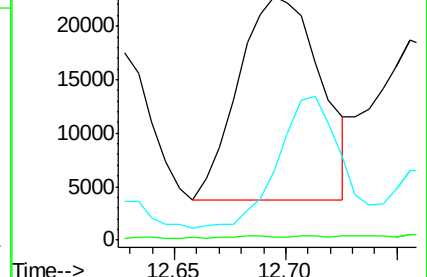
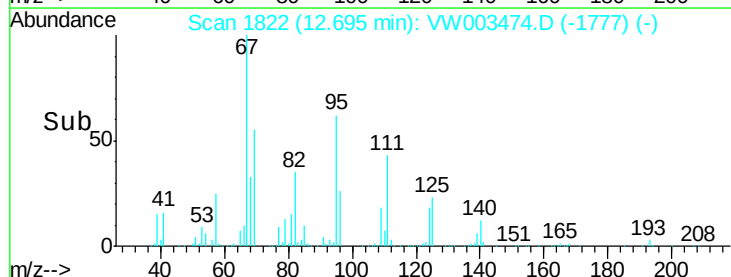
85 0.0 31.9 95.7#

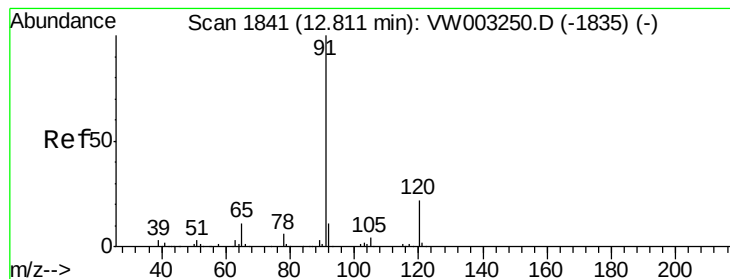


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#78

n-propylbenzene

Concen: 3.726 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

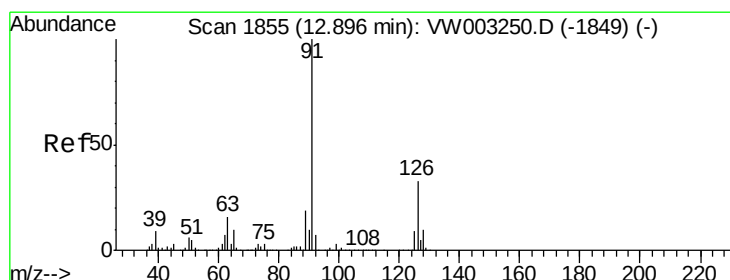
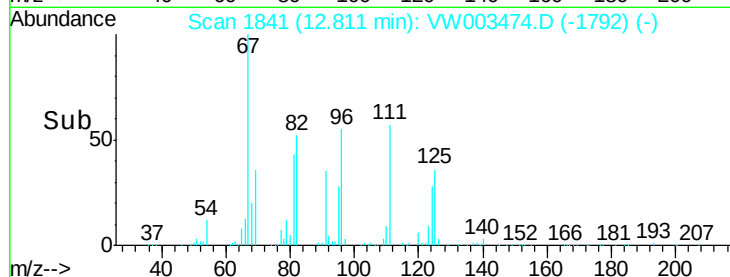
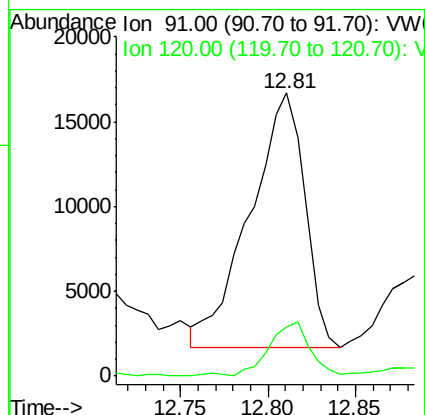
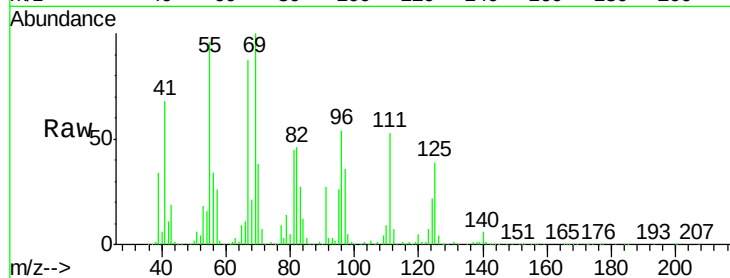
WP021SB485-29-31-180619

Tgt Ion: 91 Resp: 32909

Ion Ratio Lower Upper

91 100

120 16.3 11.3 33.8



#79

2-Chlorotoluene

Concen: 3.024 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003474.D

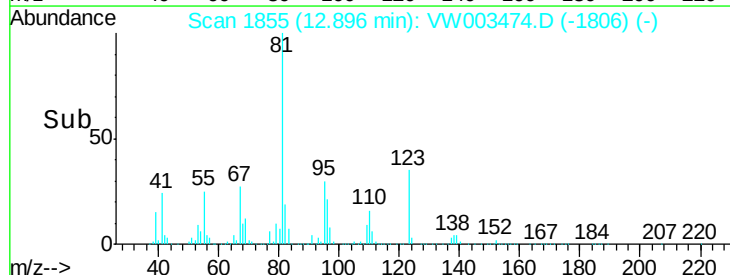
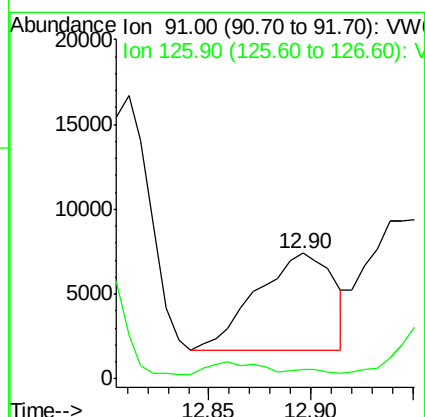
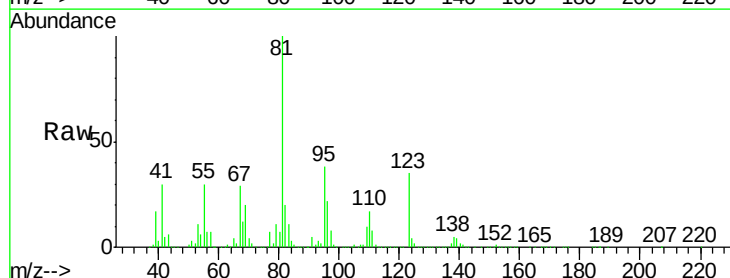
Acq: 23 Jun 2018 21:12

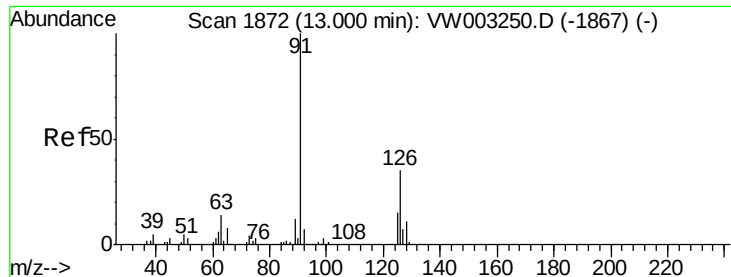
Tgt Ion: 91 Resp: 15096

Ion Ratio Lower Upper

91 100

126 0.0 16.8 50.4#





#82

4-Chlorotoluene

Concen: 2.506 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.05 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

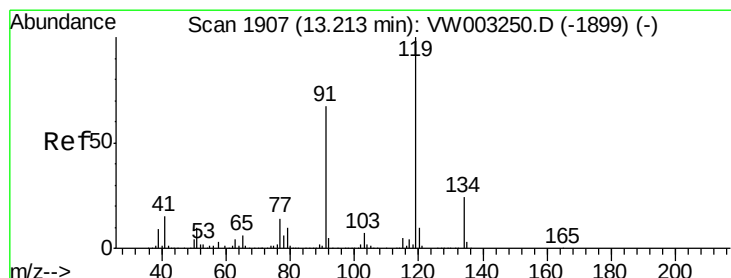
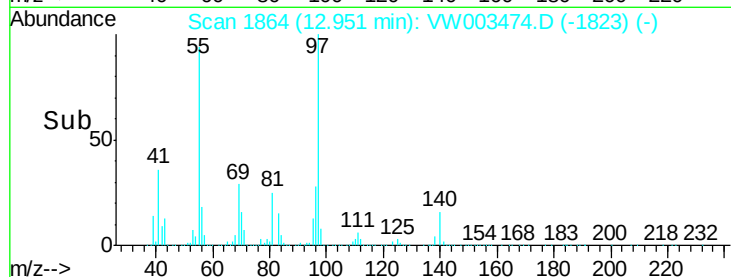
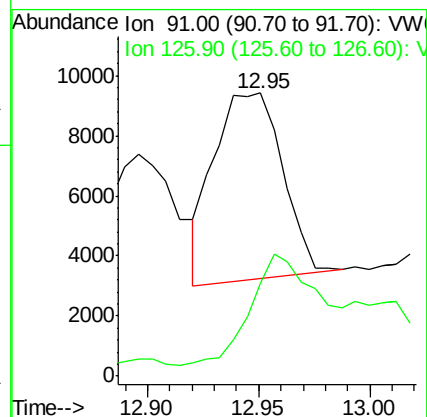
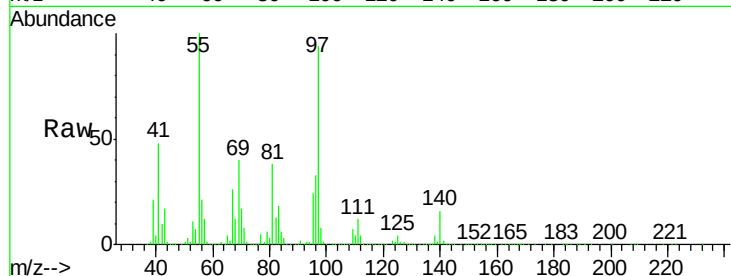
WP021SB485-29-31-180619

Tgt Ion: 91 Resp: 13273

Ion Ratio Lower Upper

91 100

126 60.9 16.8 50.3#



#83

tert-Butylbenzene

Concen: 15.282 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

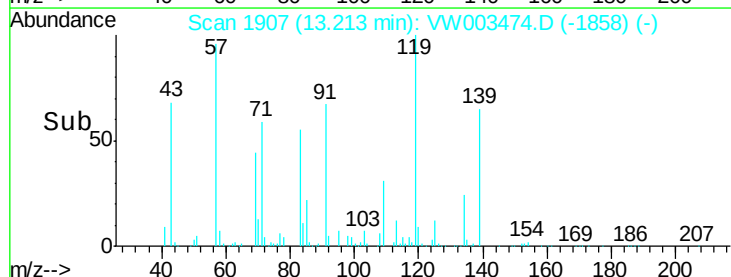
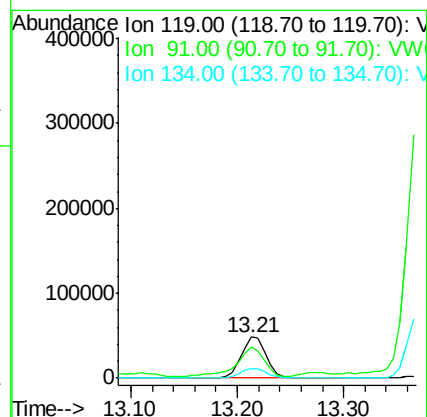
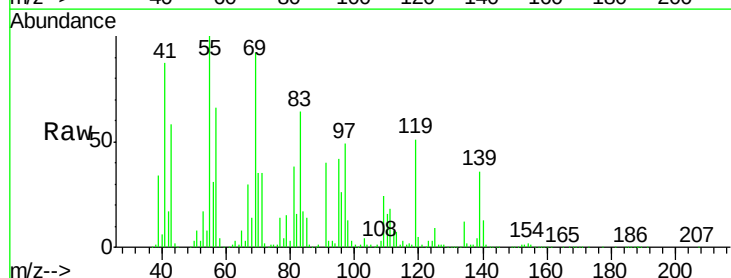
Tgt Ion: 119 Resp: 78860

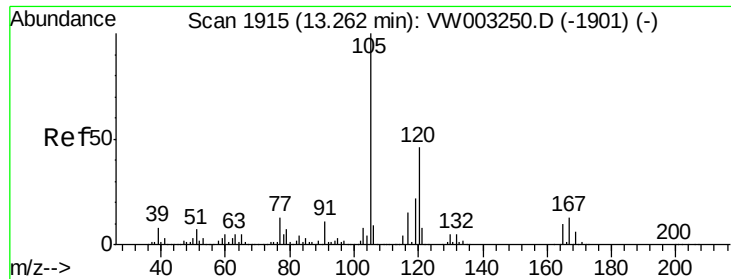
Ion Ratio Lower Upper

119 100

91 77.0 33.9 101.7

134 24.2 13.4 40.1

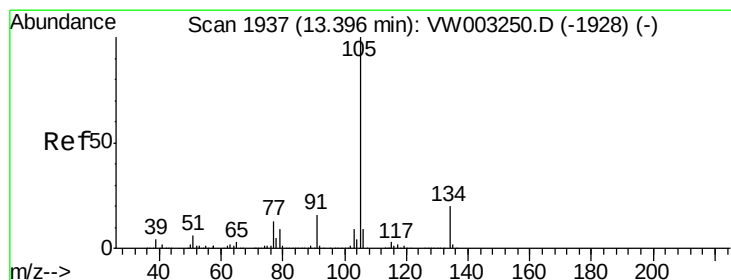
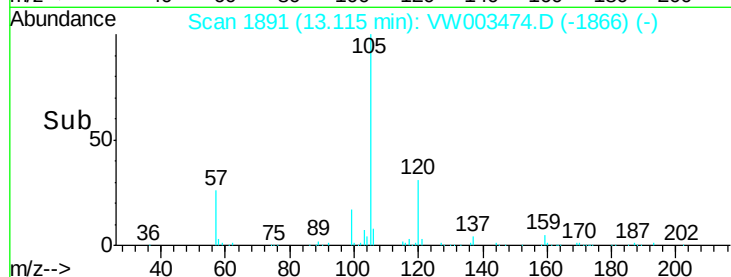
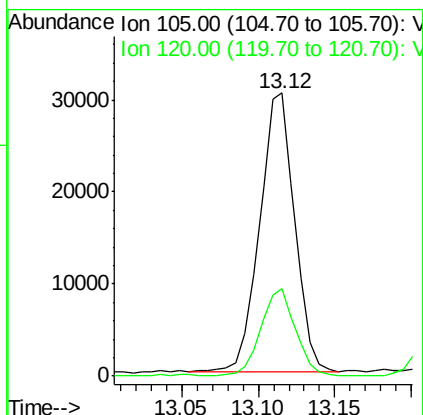
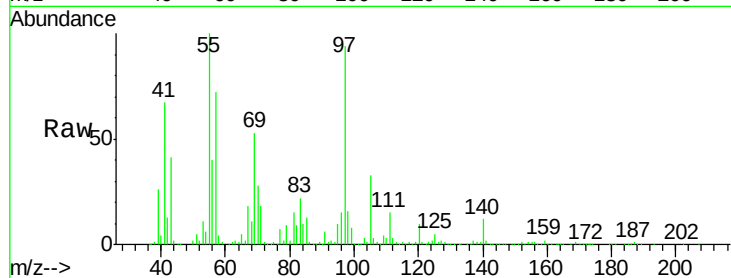




#84  
 1,2,4-Trimethylbenzene  
 Concen: 7.778 ug/l  
 RT: 13.12 min Scan# 1891  
 Delta R.T. -0.15 min  
 Lab File: VW003474.D  
 Acq: 23 Jun 2018 21:12

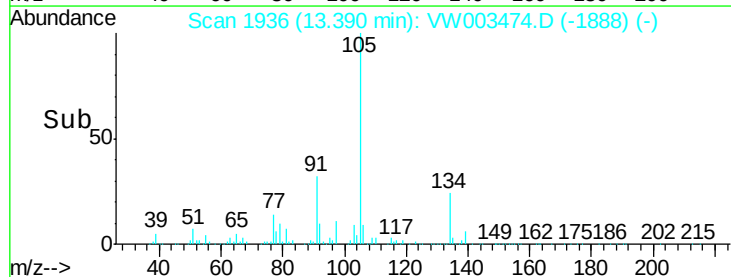
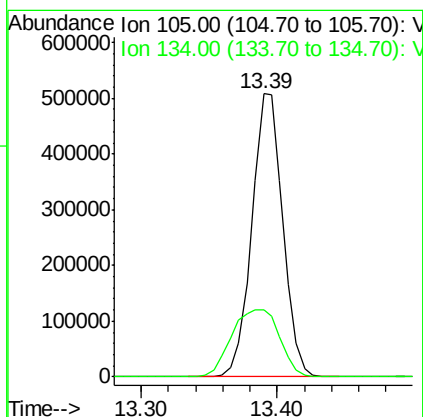
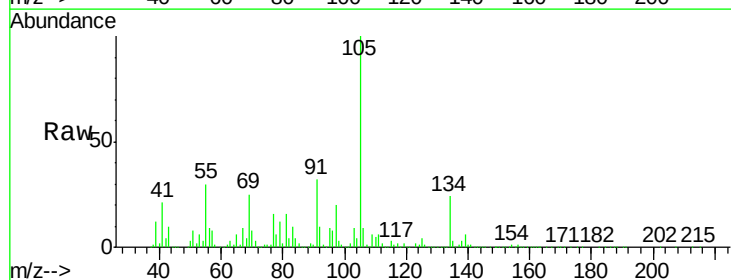
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WP021SB485-29-31-180619

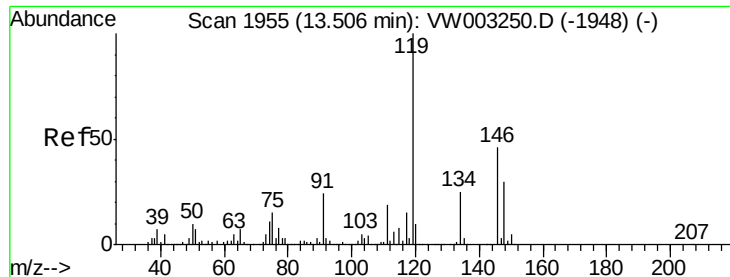
Tgt Ion:105 Resp: 48444  
 Ion Ratio Lower Upper  
 105 100  
 120 31.2 22.5 67.5



#85  
 sec-Butylbenzene  
 Concen: 105.206 ug/l  
 RT: 13.39 min Scan# 1936  
 Delta R.T. -0.01 min  
 Lab File: VW003474.D  
 Acq: 23 Jun 2018 21:12

Tgt Ion:105 Resp: 806962  
 Ion Ratio Lower Upper  
 105 100  
 134 36.9 9.8 29.5#

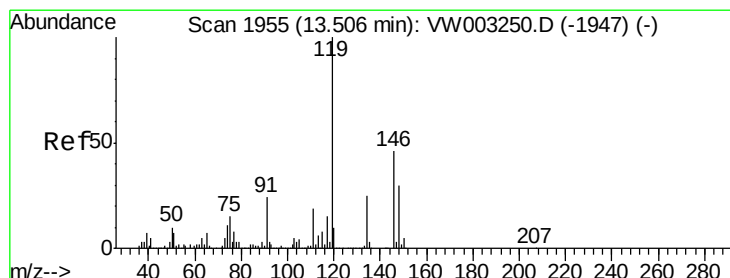
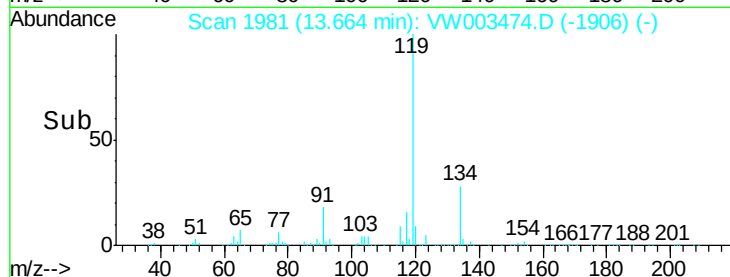
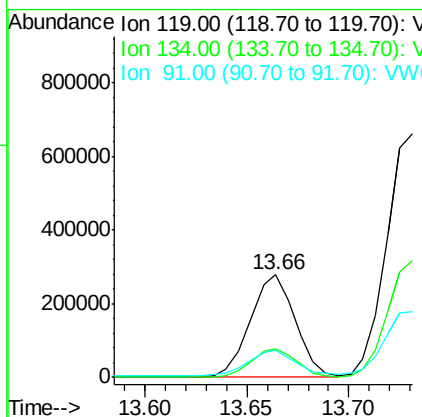
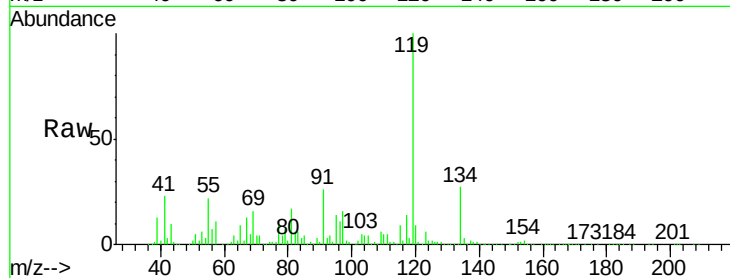




#86  
 p-Isopropyltoluene  
 Concen: 63.023 ug/l  
 RT: 13.66 min Scan# 1981  
 Delta R.T. 0.16 min  
 Lab File: VW003474.D  
 Acq: 23 Jun 2018 21:12

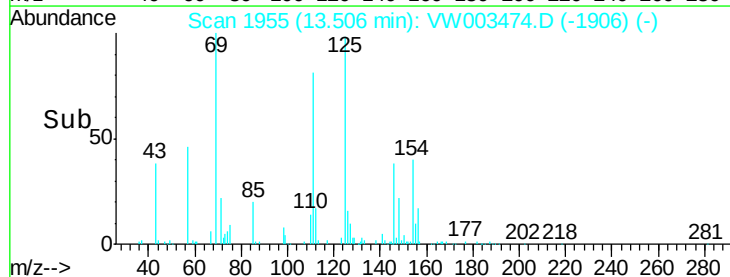
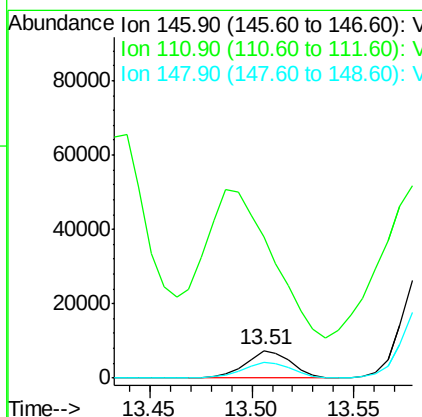
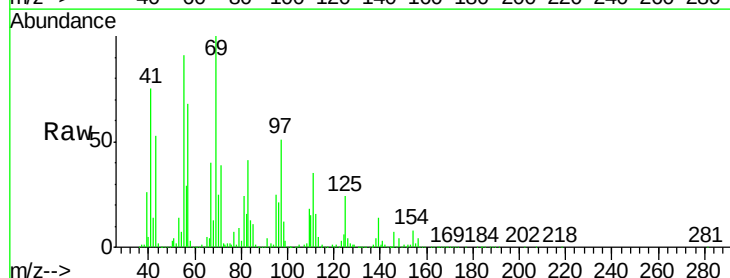
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WP021SB485-29-31-180619

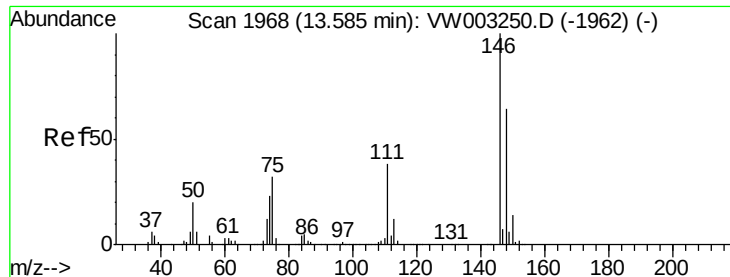
Tgt Ion:119 Resp: 426362  
 Ion Ratio Lower Upper  
 119 100  
 134 27.8 12.9 38.7  
 91 27.6 11.8 35.3



#87  
 1,3-Dichlorobenzene  
 Concen: 3.350 ug/l  
 RT: 13.51 min Scan# 1955  
 Delta R.T. 0.00 min  
 Lab File: VW003474.D  
 Acq: 23 Jun 2018 21:12

Tgt Ion:146 Resp: 11561  
 Ion Ratio Lower Upper  
 146 100  
 111 785.7 19.8 59.4#  
 148 63.9 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 16.796 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

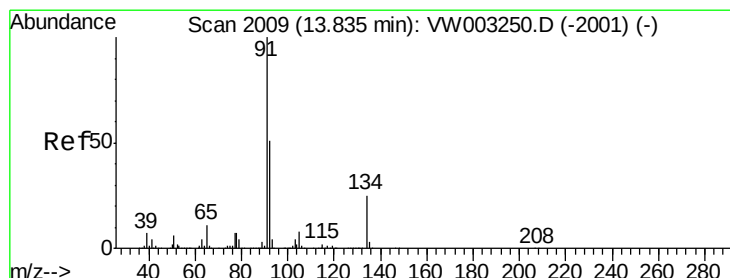
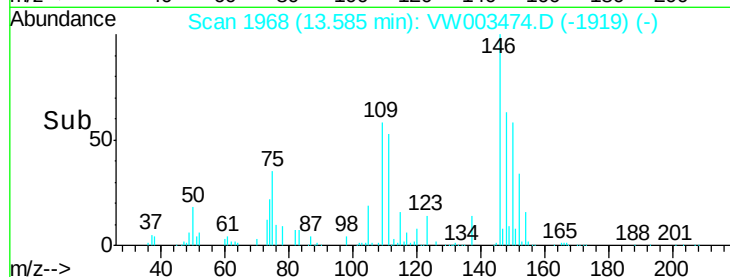
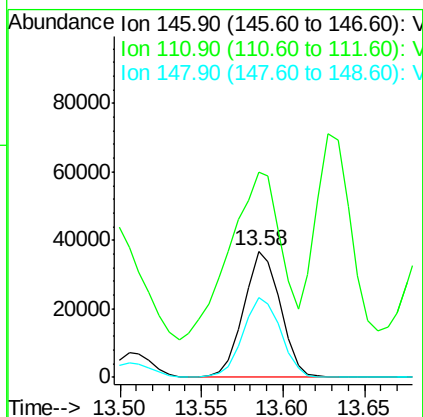
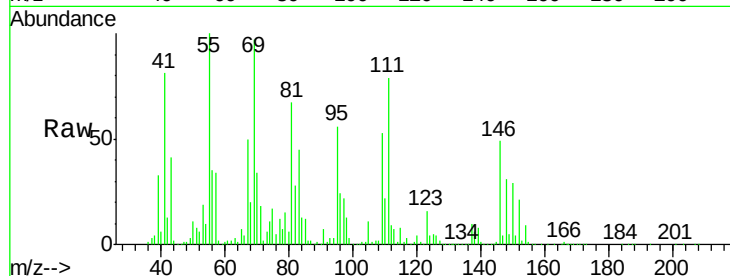
Instrument :

MSVOA\_W

ClientSampleId :

WP021SB485-29-31-180619

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 57627 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 186.6 | 19.2  | 57.6# |
| 148      | 65.5  | 31.8  | 95.4  |



#89

n-Butylbenzene

Concen: 116.003 ug/l

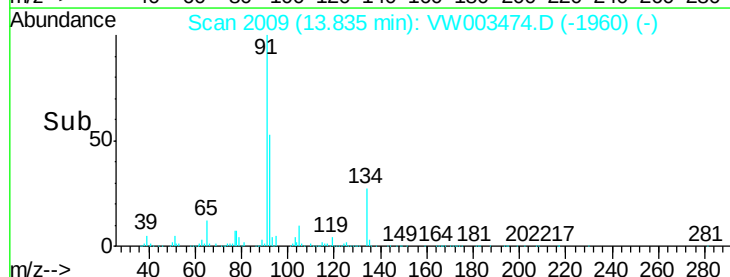
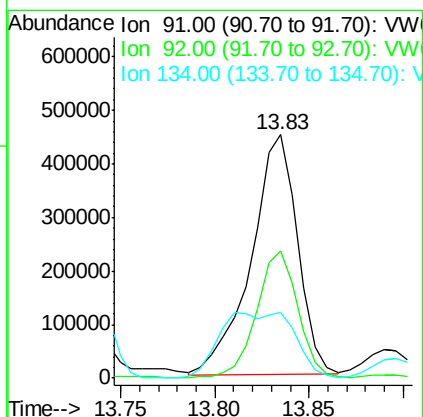
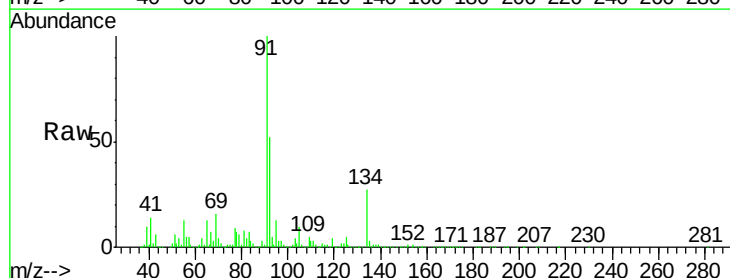
RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

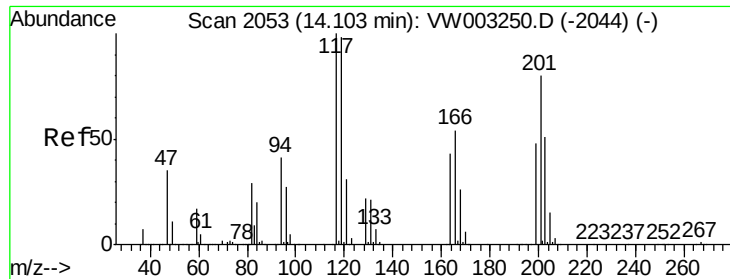
Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 764968 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 46.4  | 26.0  | 78.0   |
| 134      | 0.0   | 12.7  | 38.0#  |







#90

Hexachloroethane

Concen: 331.215 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

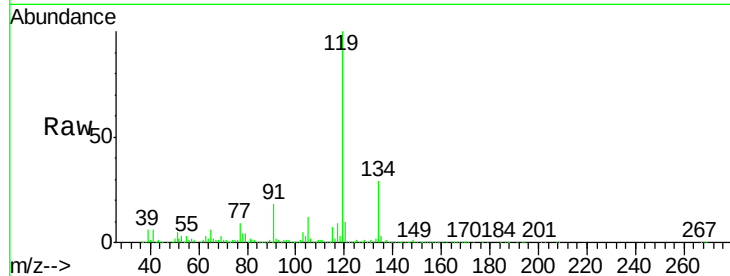
WP021SB485-29-31-180619

Tgt Ion:117 Resp: 405343

Ion Ratio Lower Upper

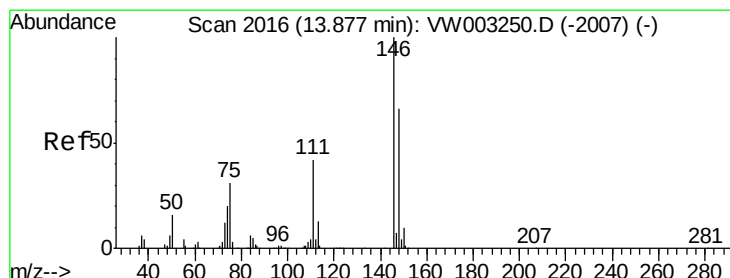
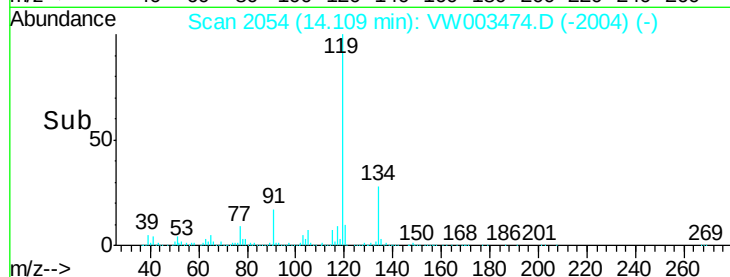
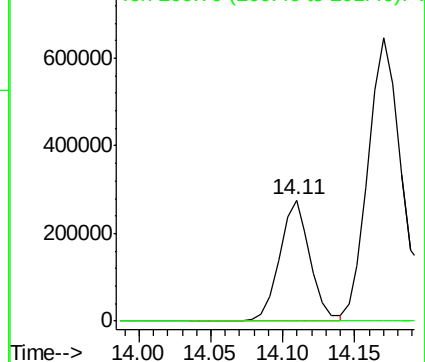
117 100

201 0.0 39.5 118.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 7.342 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

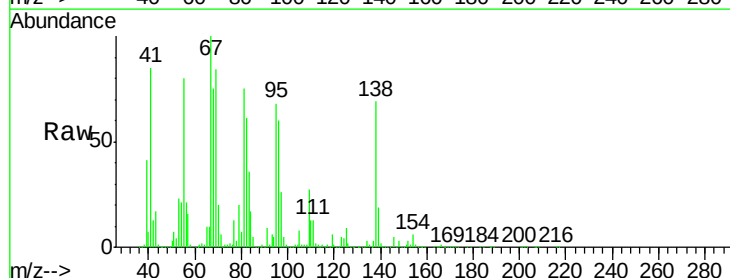
Tgt Ion:146 Resp: 22195

Ion Ratio Lower Upper

146 100

111 0.0 20.3 61.0#

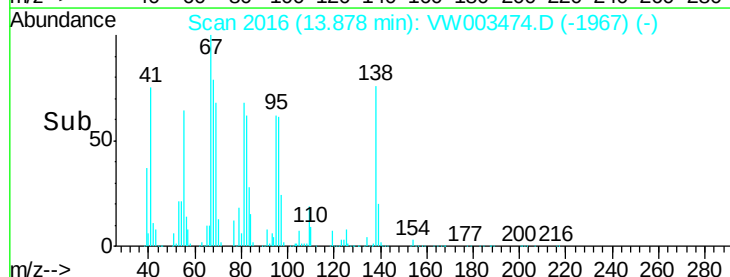
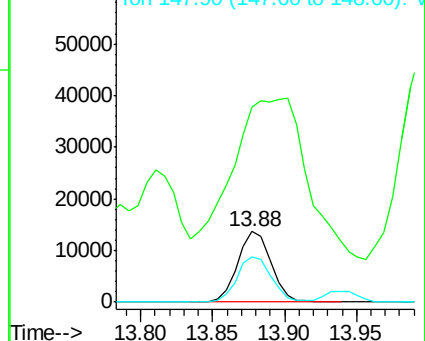
148 65.9 32.3 96.9

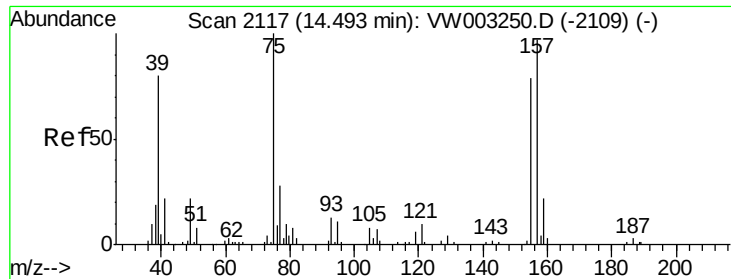


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 22.982 ug/l

RT: 14.51 min Scan# 2120

Delta R.T. 0.02 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

WP021SB485-29-31-180619

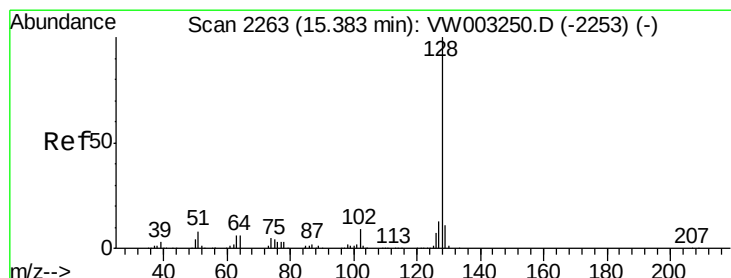
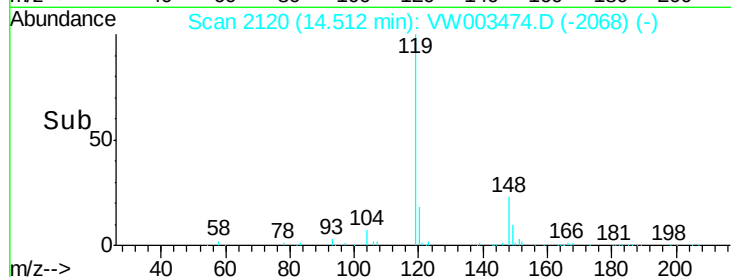
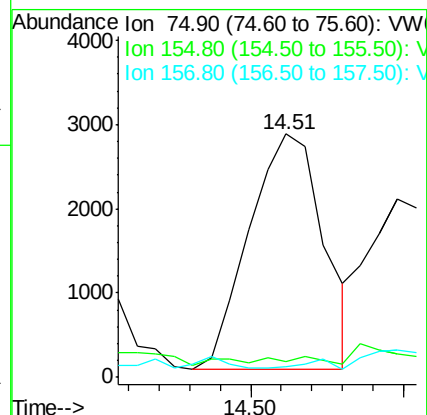
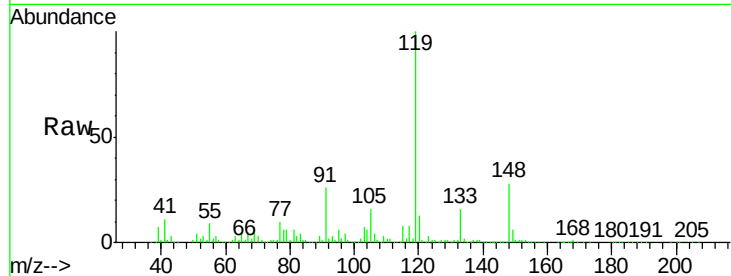
Tgt Ion: 75 Resp: 4720

Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.2#

157 0.0 51.5 154.5#



#95

Naphthalene

Concen: 1.217 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003474.D

Acq: 23 Jun 2018 21:12

Tgt Ion: 128 Resp: 4381

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.9 13.3#

