

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW091119\  
 Data File : VW012919.D  
 Acq On : 11 Sep 2019 16:01  
 Operator : SY/VA  
 Sample : K4683-03  
 Misc : 4.54G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190665-LOCATION-3

Quant Time: Sep 12 07:53:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sun Sep 08 05:04:40 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene          | 7.95   | 168  | 229198   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.84   | 114  | 343195   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.63  | 117  | 275012   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.55  | 152  | 104502   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.31   | 65   | 127930   | 49.96   | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 99.92%  |          |
| 35) Dibromofluoromethane       | 7.88   | 113  | 100044   | 49.03   | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 98.06%  |          |
| 50) Toluene-d8                 | 10.32  | 98   | 399688   | 50.00   | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 100.00% |          |
| 62) 4-Bromofluorobenzene       | 12.62  | 95   | 124053   | 42.75   | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 85.50%  |          |
| Target Compounds               |        |      |          |         |         |          |
|                                |        |      |          |         | Qvalue  |          |
| 8) Diethyl Ether               | 3.68   | 74   | 1763     | 1.642   | ug/l    | 100      |
| 11) Tert butyl alcohol         | 5.17   | 59   | 7953     | 40.590  | ug/l #  | 91       |
| 13) Acrolein                   | 3.88   | 56   | 3057     | 14.702  | ug/l #  | 14       |
| 16) Acetone                    | 4.12   | 43   | 264218   | 378.453 | ug/l    | 98       |
| 17) Carbon Disulfide           | 4.38   | 76   | 70783    | 17.618  | ug/l    | 99       |
| 18) Methyl Acetate             | 4.67   | 43   | 6607     | 4.034   | ug/l    | 94       |
| 20) Methylene Chloride         | 4.91   | 84   | 9734     | 4.457   | ug/l    | 83       |
| 25) 2-Butanone                 | 7.17   | 43   | 87596    | 98.185  | ug/l    | 99       |
| 29) Tetrahydrofuran            | 7.53   | 42   | 3087     | 5.475   | ug/l #  | 85       |
| 31) Cyclohexane                | 7.95   | 56   | 6744     | 1.792   | ug/l #  | 34       |
| 36) 1,1-Dichloropropene        | 7.94   | 75   | 16986    | 5.570   | ug/l #  | 52       |
| 37) Ethyl Acetate              | 7.17   | 43   | 87596    | 45.062  | ug/l #  | 72       |
| 38) Carbon Tetrachloride       | 7.95   | 117  | 22470    | 7.475   | ug/l #  | 16       |
| 39) Methylcyclohexane          | 9.34   | 83   | 5445     | 1.590   | ug/l    | 94       |
| 41) Methacrylonitrile          | 7.46   | 41   | 78       | 3.893   | ug/l #  | 52       |
| 49) 1,4-Dioxane                | 9.35   | 88   | 35       | 1.595   | ug/l #  | 1        |
| 52) Toluene                    | 10.38  | 92   | 7510     | 1.422   | ug/l    | 97       |
| 55) 1,1,2-Trichloroethane      | 10.77  | 97   | 3733     | 2.244   | ug/l #  | 38       |
| 59) 2-Hexanone                 | 10.93  | 43   | 16871    | 11.950  | ug/l #  | 37       |
| 69) o-Xylene                   | 12.17  | 106  | 6773     | 2.039   | ug/l    | 100      |
| 73) Isopropylbenzene           | 12.46  | 105  | 12860    | 1.716   | ug/l    | 92       |
| 74) N-amyl acetate             | 12.25  | 43   | 84952    | 35.708  | ug/l #  | 68       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.68  | 83   | 6559     | 4.357   | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane     | 12.62  | 75   | 63524    | 59.447  | ug/l #  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94  | 105  | 29121    | 4.611   | ug/l    | 91       |
| 81) trans-1,4-Dichloro-2-buten | 12.62  | 75   | 63524    | 125.735 | ug/l #  | 7        |
| 84) 1,2,4-Trimethylbenzene     | 13.25  | 105  | 34529    | 5.426   | ug/l    | 98       |
| 85) sec-Butylbenzene           | 13.38  | 105  | 11459    | 1.479   | ug/l #  | 70       |
| 88) 1,4-Dichlorobenzene        | 13.58  | 146  | 3623     | 1.091   | ug/l #  | 1        |
| 90) Hexachloroethane           | 14.10  | 117  | 3374     | 2.731   | ug/l #  | 7        |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51  | 75   | 441      | 1.601   | ug/l #  | 3        |
| 95) Naphthalene                | 15.36  | 128  | 31190    | 10.921  | ug/l #  | 81       |

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
20190665-LOCATION-3

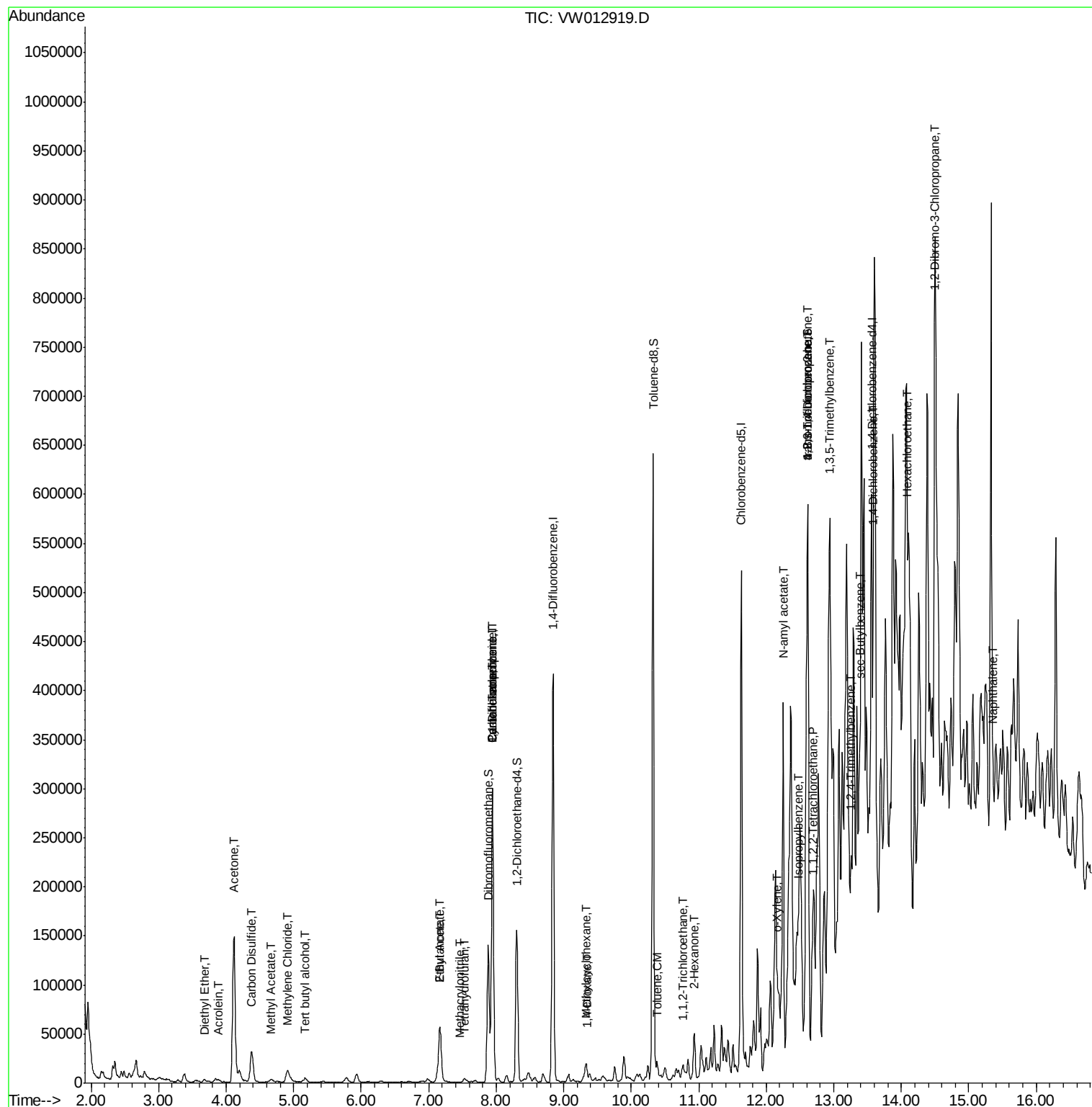
Quant Time: Sep 12 07:53:04 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260  
QLast Update : Sun Sep 08 05:04:40 2019  
Response via : Initial Calibration

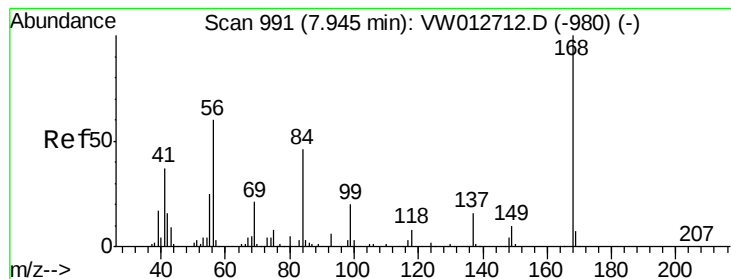
| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW091119\  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

Instrument :

MSVOA\_W

ClientSampleId :

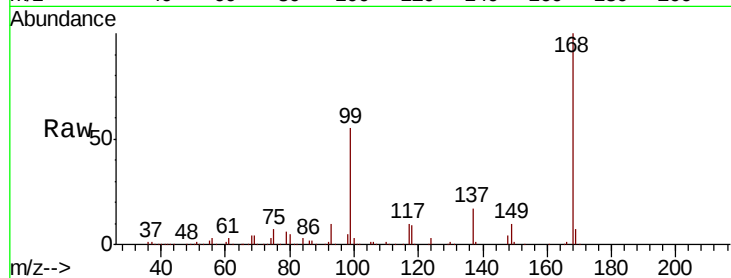
20190665-LOCATION-3

Tgt Ion:168 Resp: 229198

Ion Ratio Lower Upper

168 100

99 55.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

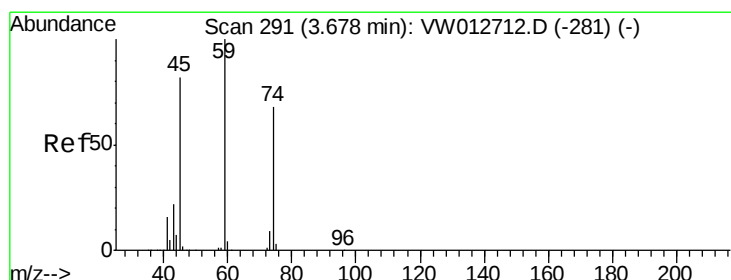
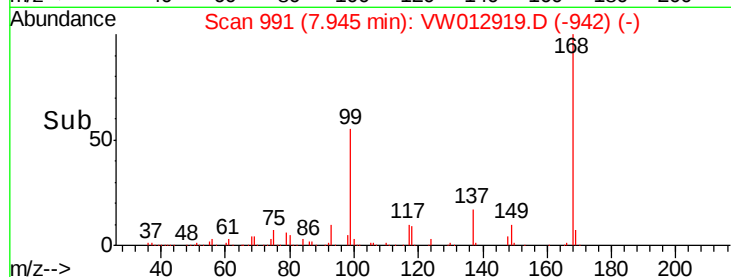
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.642 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012919.D

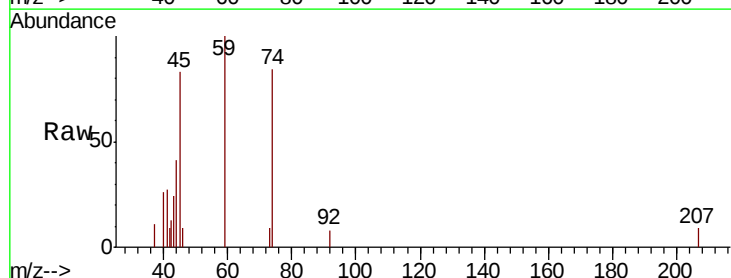
Acq: 11 Sep 2019 16:01

Tgt Ion: 74 Resp: 1763

Ion Ratio Lower Upper

74 100

45 117.5 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

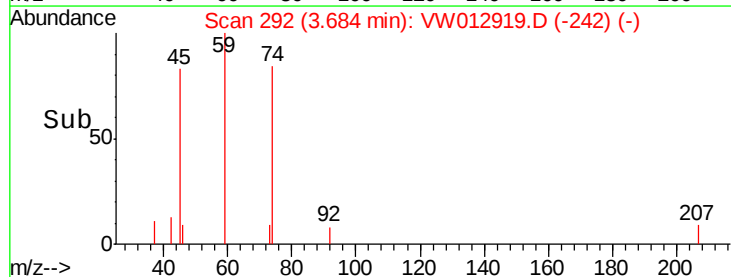
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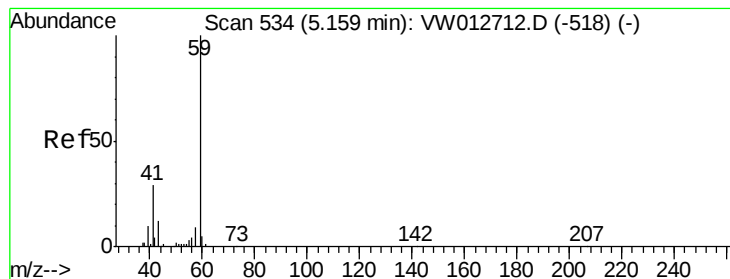
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200

0

Time-->



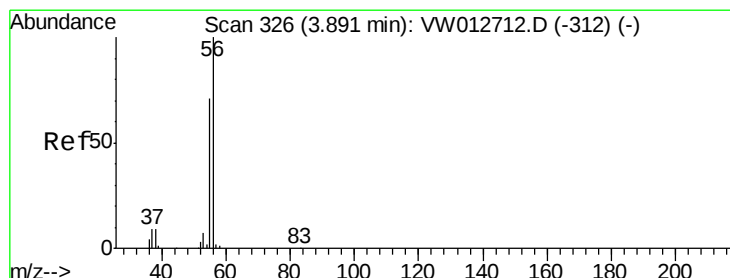
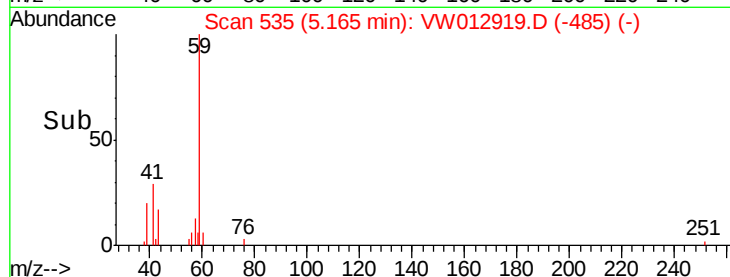
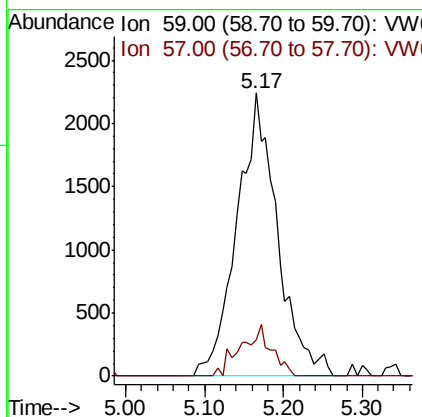
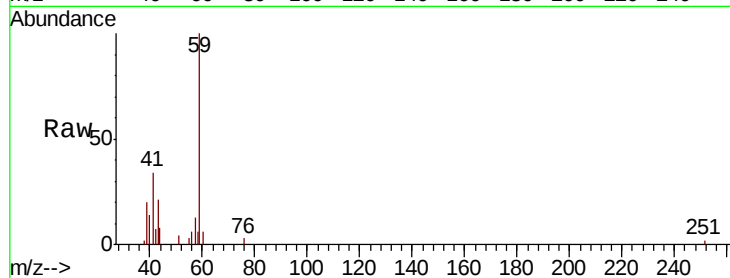


#11

Tert butyl alcohol  
 Concen: 40.590 ug/l  
 RT: 5.17 min Scan# 535  
 Delta R.T. 0.01 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190665-LOCATION-3

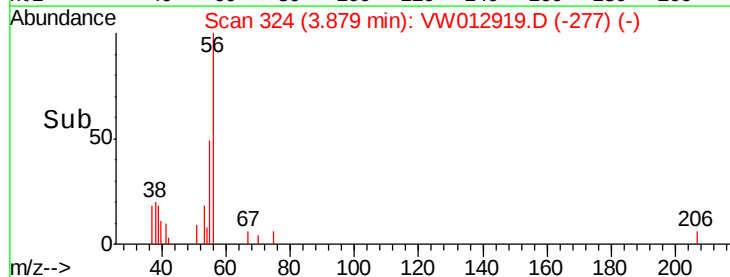
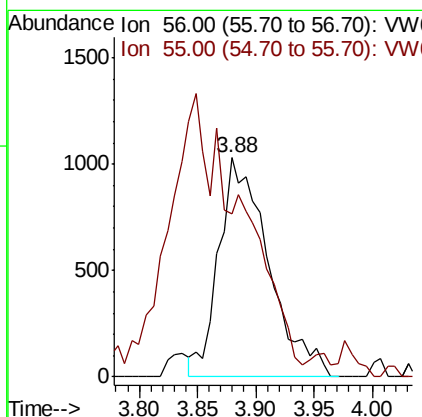
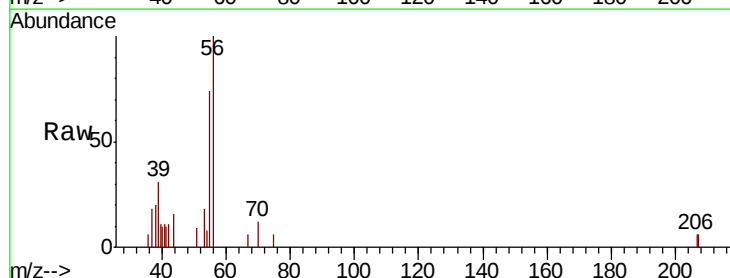
Tgt Ion: 59 Resp: 7953  
 Ion Ratio Lower Upper  
 59 100  
 57 13.8 8.2 12.4#

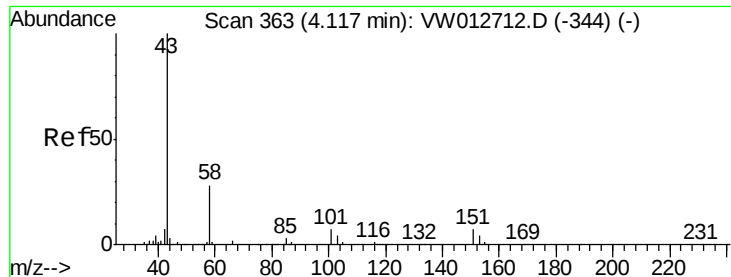


#13

Acrolein  
 Concen: 14.702 ug/l  
 RT: 3.88 min Scan# 324  
 Delta R.T. -0.01 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

Tgt Ion: 56 Resp: 3057  
 Ion Ratio Lower Upper  
 56 100  
 55 0.0 56.9 85.3#





#16

Acetone

Concen: 378.453 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

Instrument :

MSVOA\_W

ClientSampleId :

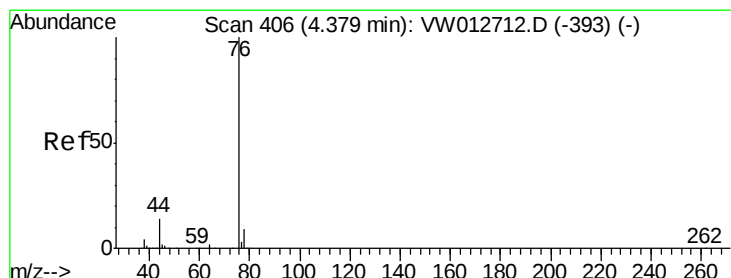
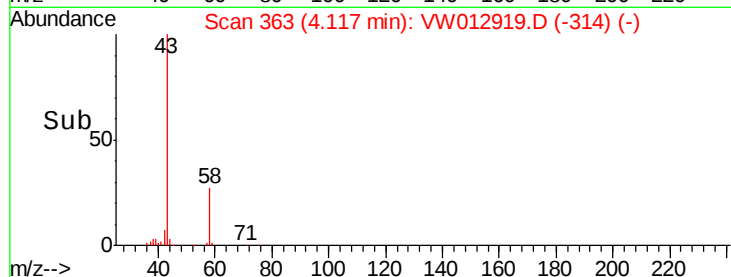
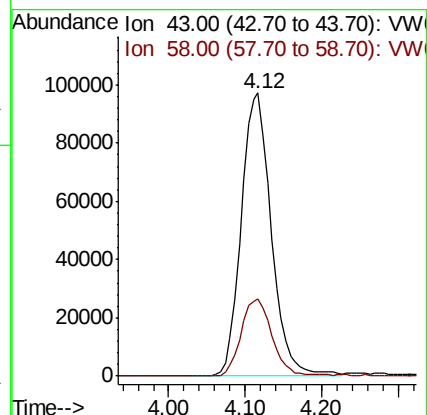
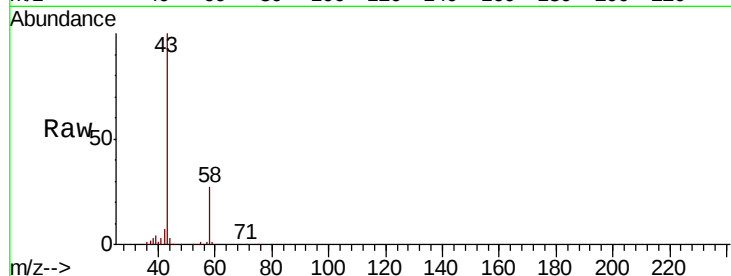
20190665-LOCATION-3

Tgt Ion: 43 Resp: 264218

Ion Ratio Lower Upper

43 100

58 27.3 22.6 33.8



#17

Carbon Disulfide

Concen: 17.618 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW012919.D

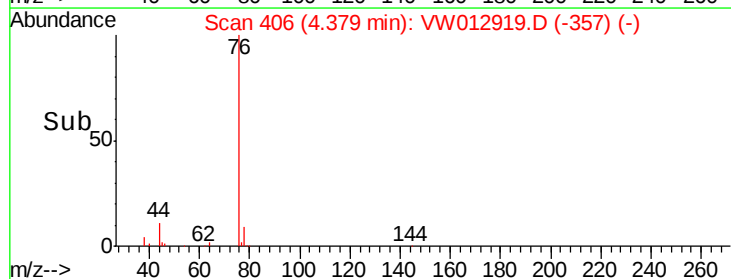
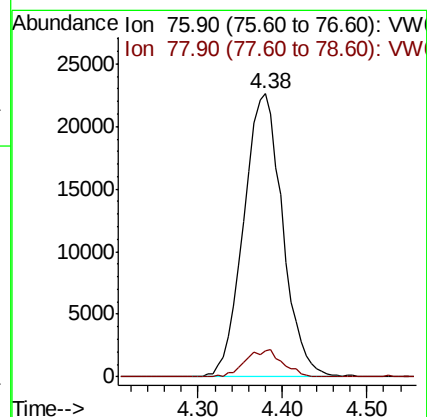
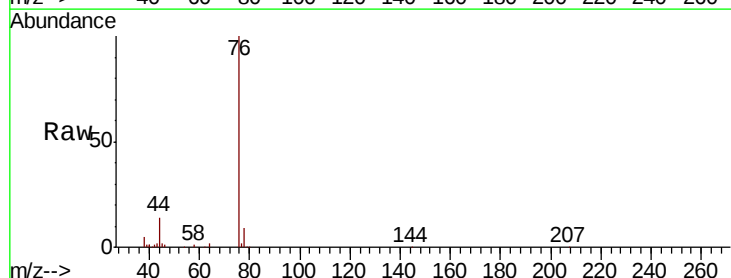
Acq: 11 Sep 2019 16:01

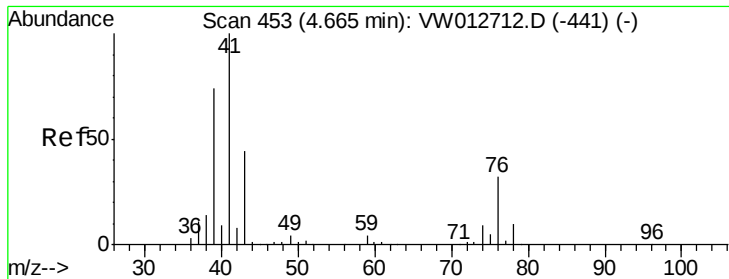
Tgt Ion: 76 Resp: 70783

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

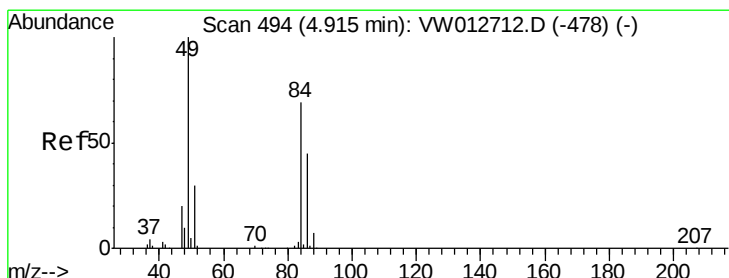
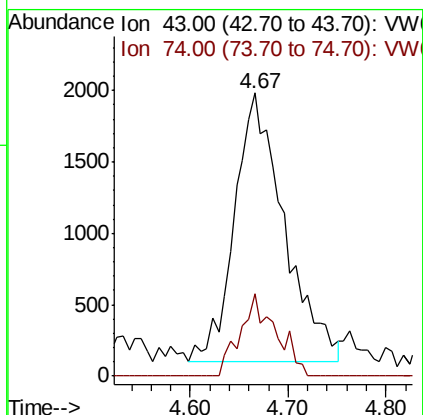
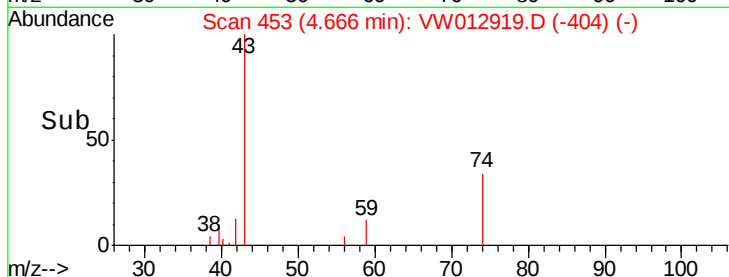
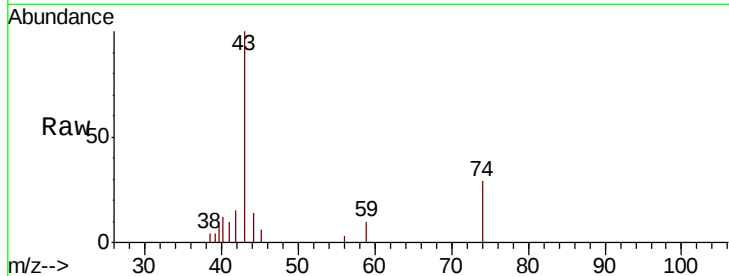




#18  
Methyl Acetate  
Concen: 4.034 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. 0.00 min  
Lab File: VW012919.D  
Acq: 11 Sep 2019 16:01

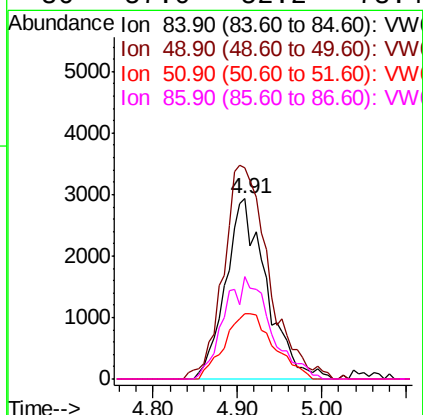
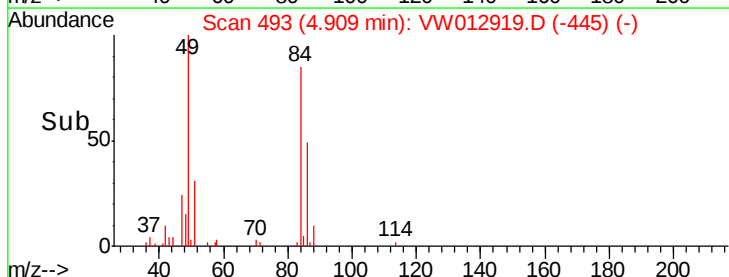
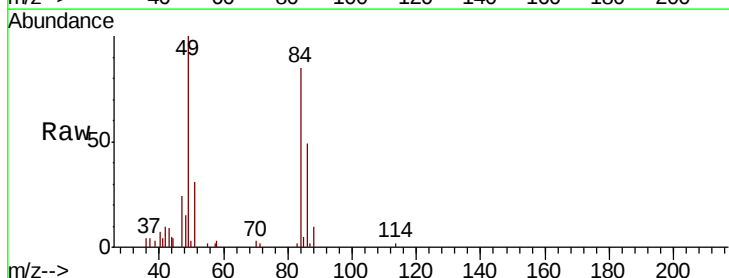
Instrument :  
MSVOA\_W  
ClientSampleId :  
20190665-LOCATION-3

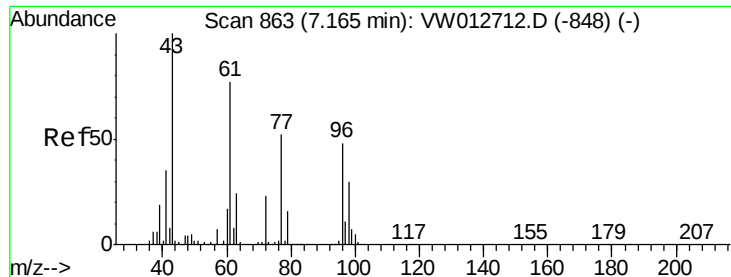
Tgt Ion: 43 Resp: 6607  
Ion Ratio Lower Upper  
43 100  
74 22.3 15.8 23.6



#20  
Methylene Chloride  
Concen: 4.457 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW012919.D  
Acq: 11 Sep 2019 16:01

Tgt Ion: 84 Resp: 9734  
Ion Ratio Lower Upper  
84 100  
49 117.1 115.4 173.0  
51 36.4 34.9 52.3  
86 57.0 52.2 78.4





#25

2-Butanone

Concen: 98.185 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

Instrument :

MSVOA\_W

ClientSampleId :

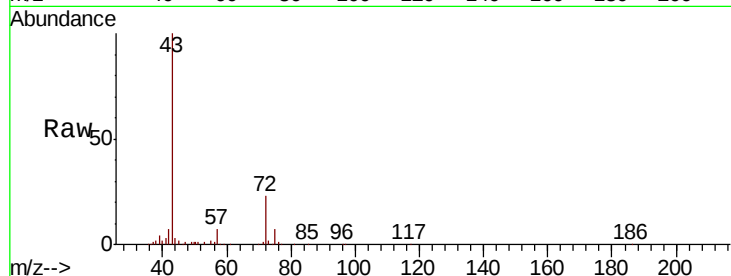
20190665-LOCATION-3

Tgt Ion: 43 Resp: 87596

Ion Ratio Lower Upper

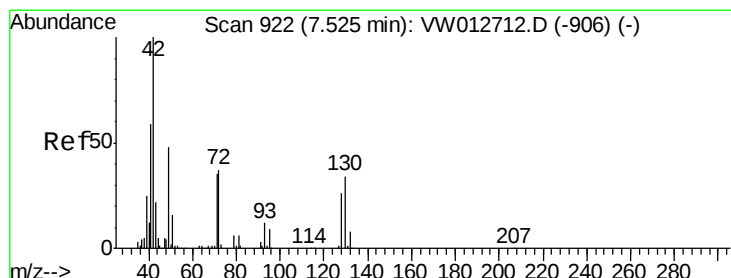
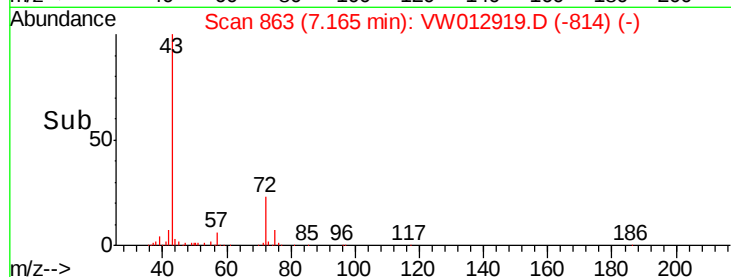
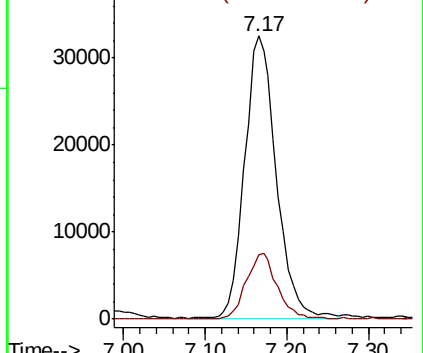
43 100

72 22.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 5.475 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

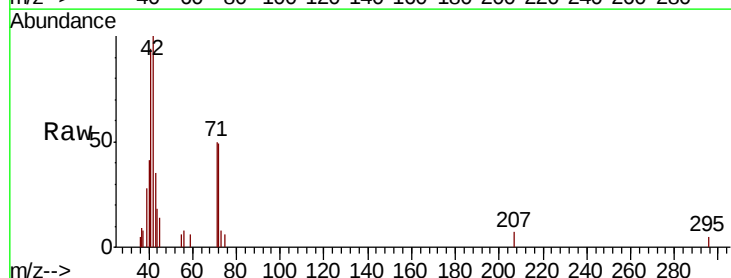
Tgt Ion: 42 Resp: 3087

Ion Ratio Lower Upper

42 100

72 43.5 28.4 42.6#

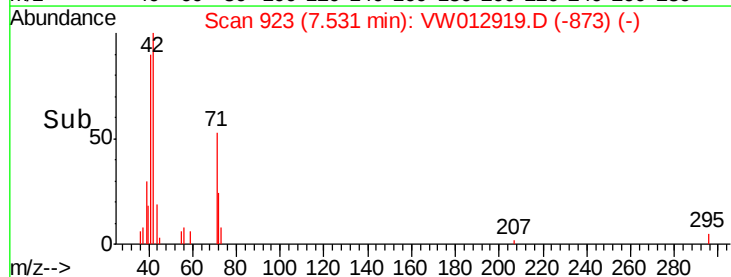
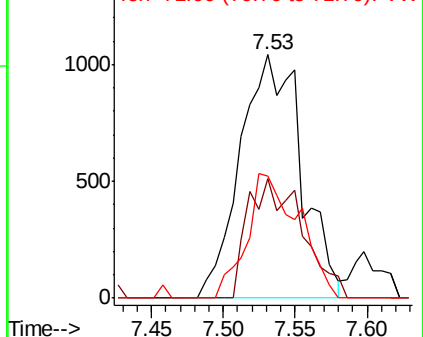
71 43.3 27.1 40.7#

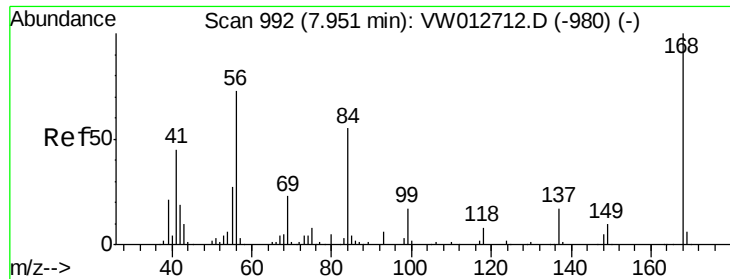


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

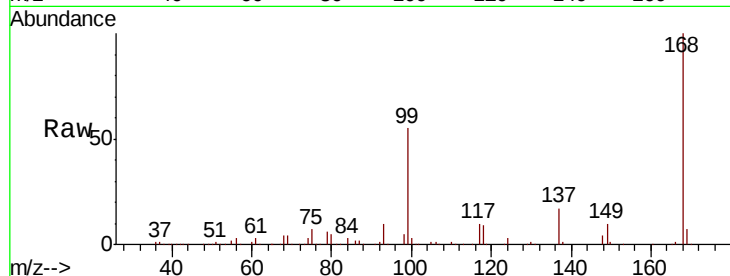




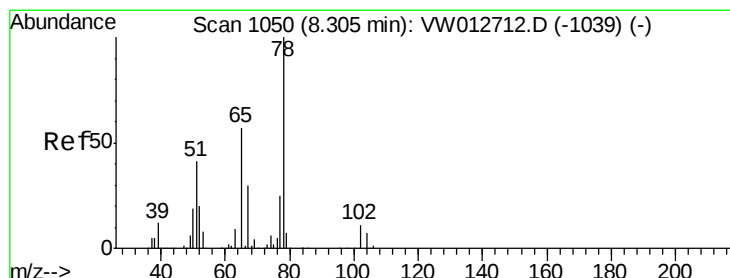
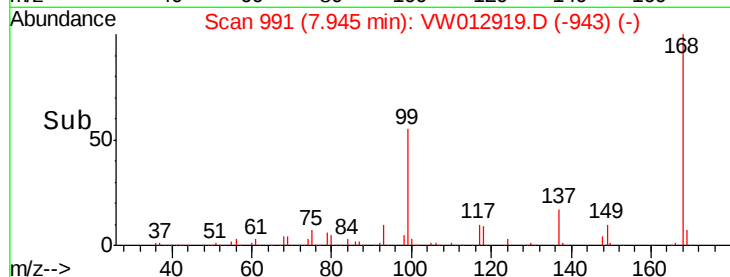
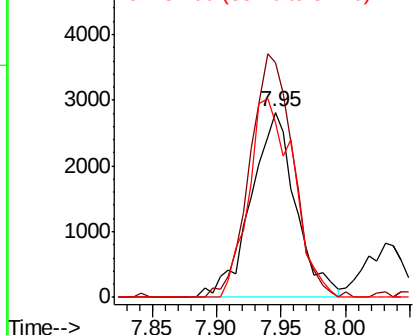
#31  
Cyclohexane  
Concen: 1.792 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: VW012919.D  
Acq: 11 Sep 2019 16:01

Instrument :  
MSVOA\_W  
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20190665-LOCATION-3

Tgt Ion: 56 Resp: 6744  
Ion Ratio Lower Upper  
56 100  
69 126.7 25.7 38.5#  
84 94.0 60.4 90.6#

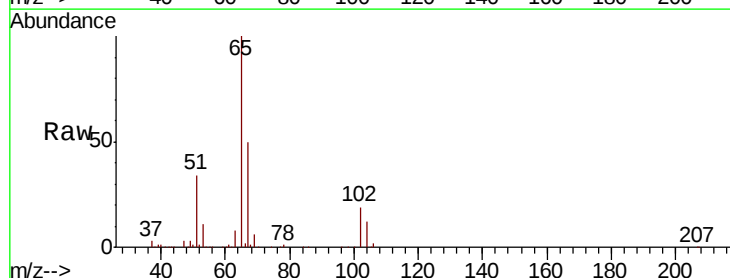


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

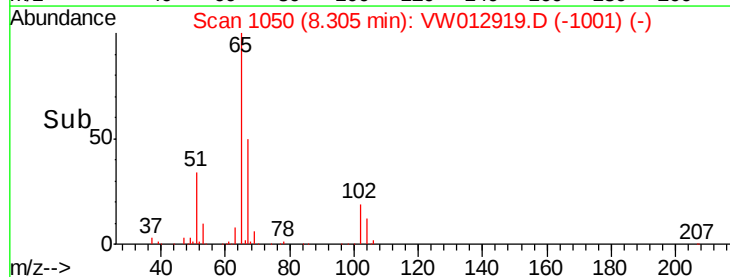
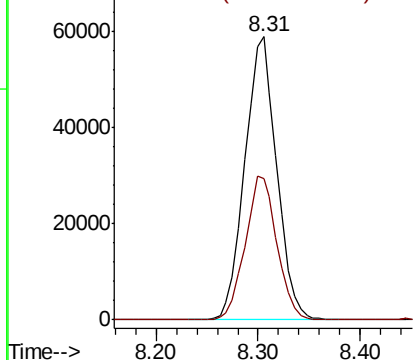


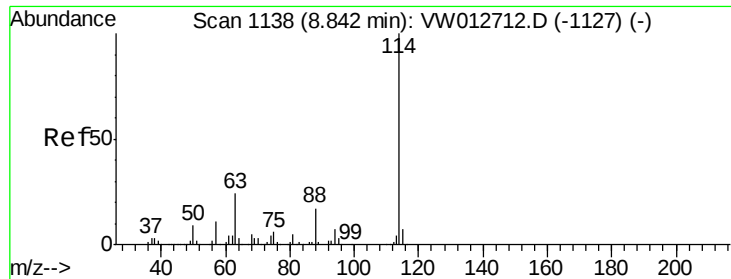
#33  
1,2-Dichloroethane-d4  
Concen: 49.955 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VW012919.D  
Acq: 11 Sep 2019 16:01

Tgt Ion: 65 Resp: 127930  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 101.8



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

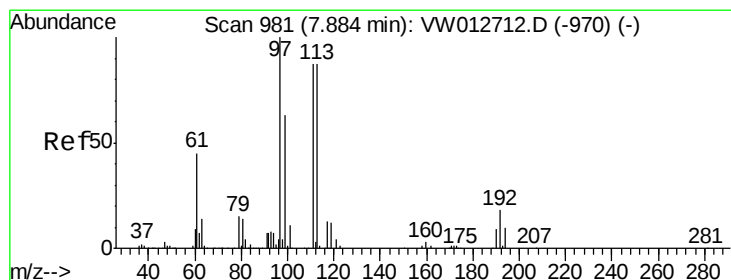
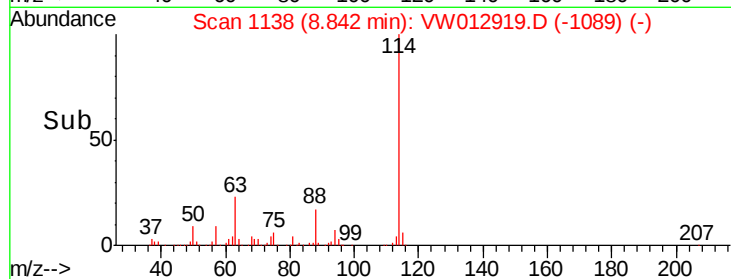
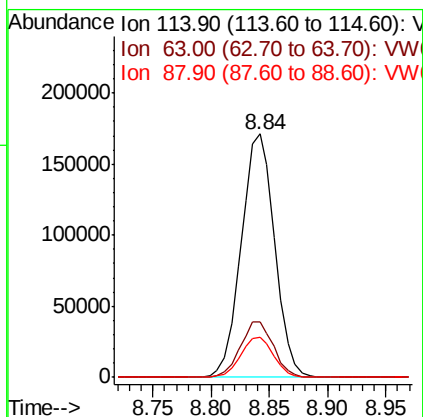
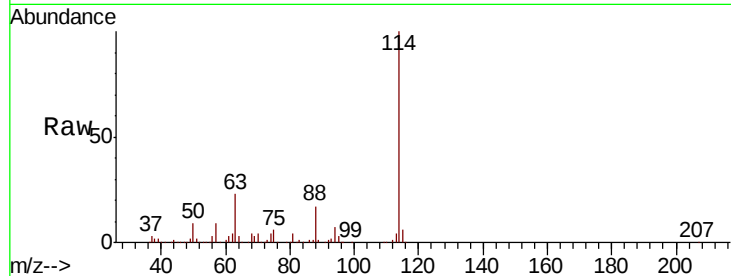




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

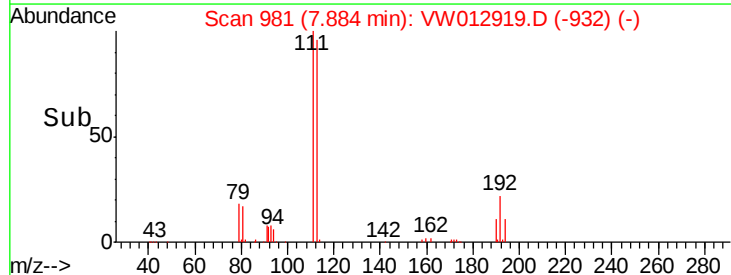
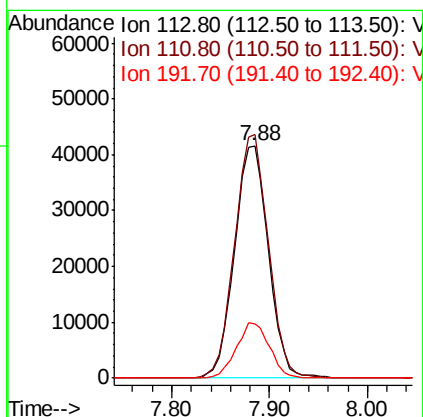
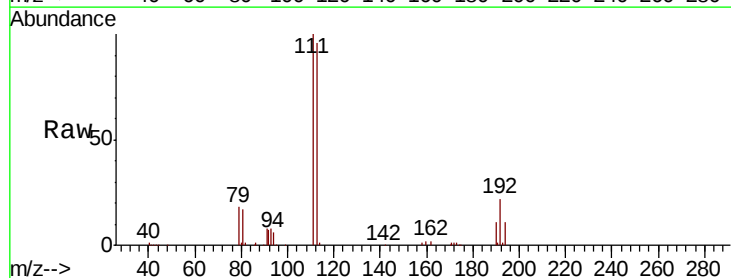
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190665-LOCATION-3

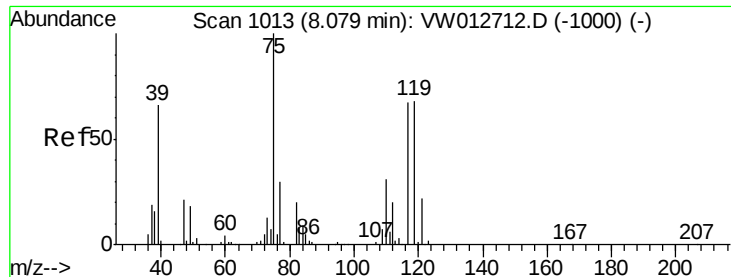
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.9  | 0.0   | 47.2  |
| 88      | 16.7  | 0.0   | 34.0  |



#35  
 Dibromofluoromethane  
 Concen: 49.032 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.7 | 80.2  | 120.4 |
| 192     | 23.2  | 17.3  | 25.9  |





#36

1,1-Dichloropropene

Concen: 5.570 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

Instrument :

MSVOA\_W

ClientSampleId :

20190665-LOCATION-3

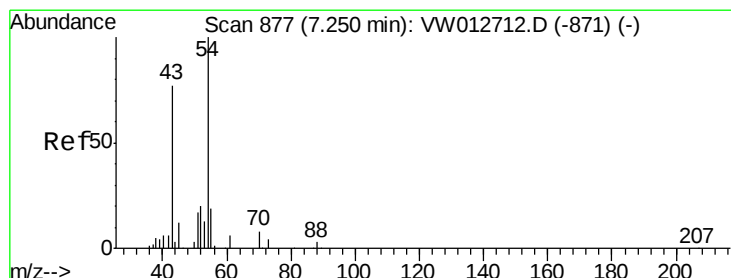
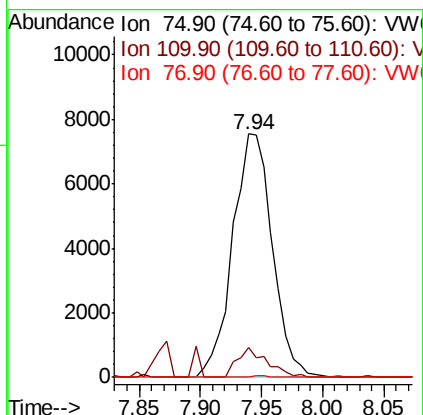
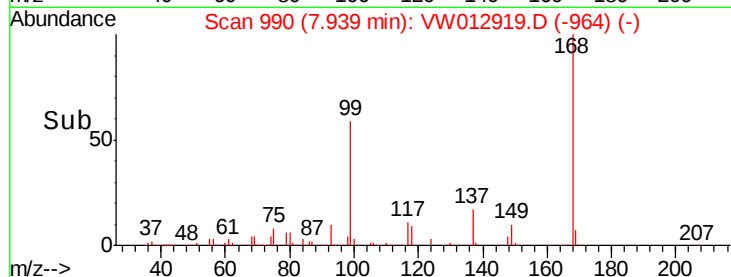
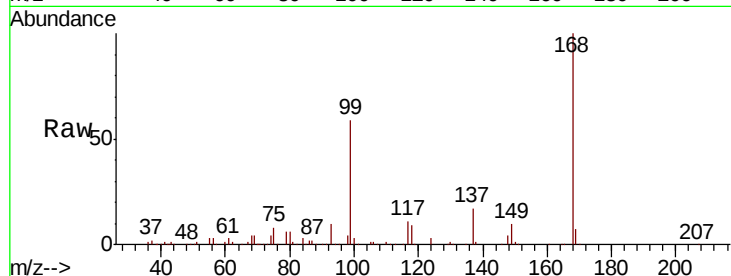
Tgt Ion: 75 Resp: 16986

Ion Ratio Lower Upper

75 100

110 9.1 15.9 47.7#

77 0.3 25.0 37.4#



#37

Ethyl Acetate

Concen: 45.062 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.09 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

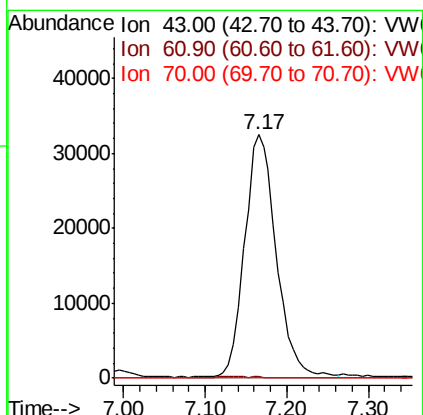
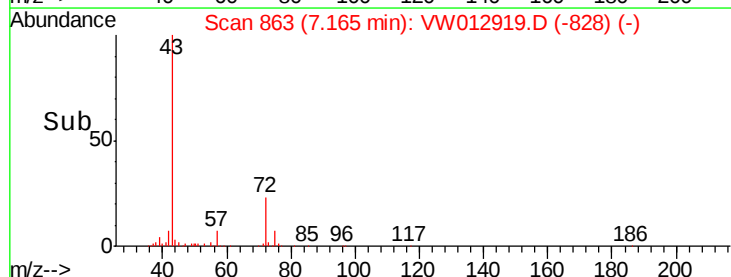
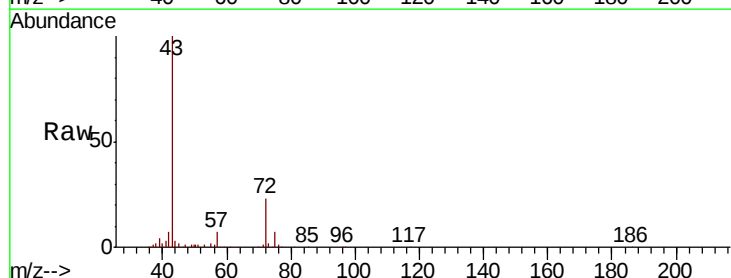
Tgt Ion: 43 Resp: 87596

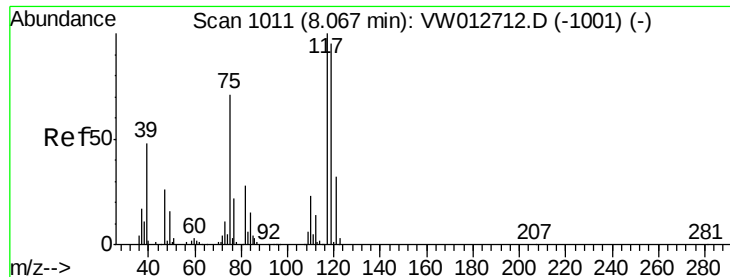
Ion Ratio Lower Upper

43 100

61 0.0 9.5 14.3#

70 0.1 7.0 10.6#

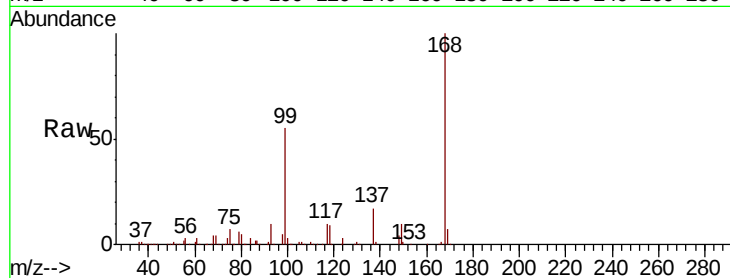




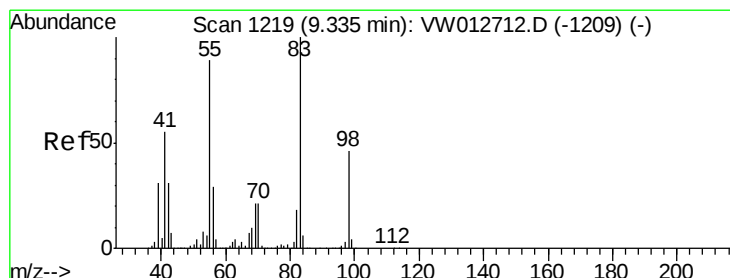
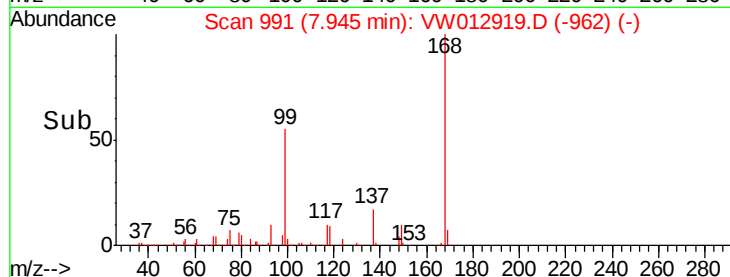
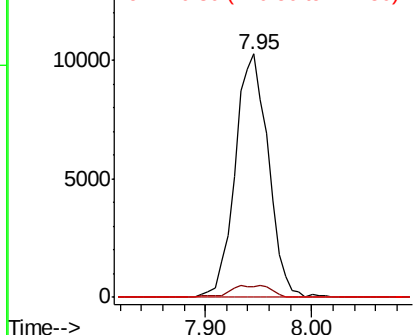
#38  
Carbon Tetrachloride  
Concen: 7.475 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.12 min  
Lab File: VW012919.D  
Acq: 11 Sep 2019 16:01

Instrument :  
MSVOA\_W  
ClientSampleId :  
20190665-LOCATION-3

Tgt Ion:117 Resp: 22470  
Ion Ratio Lower Upper  
117 100  
119 4.3 76.2 114.2#  
121 0.0 25.4 38.2#

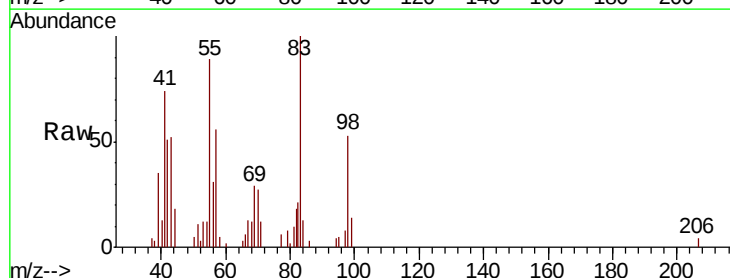


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

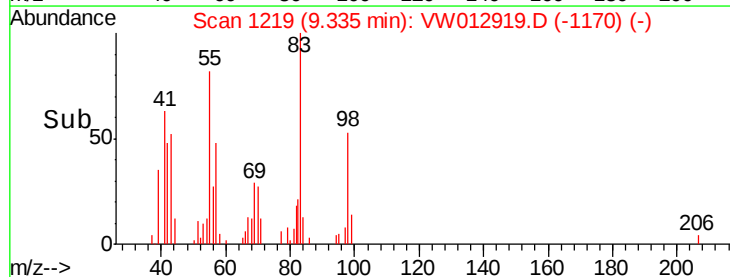
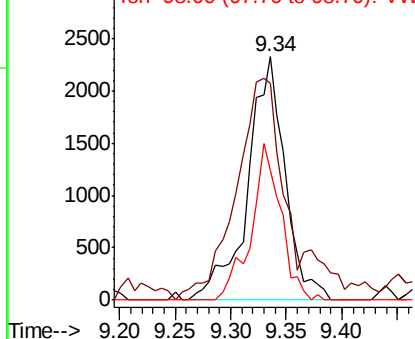


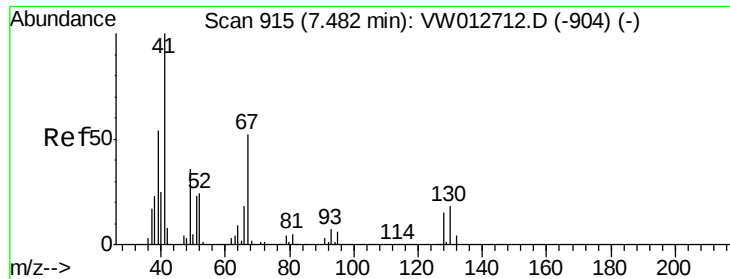
#39  
Methylcyclohexane  
Concen: 1.590 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW012919.D  
Acq: 11 Sep 2019 16:01

Tgt Ion: 83 Resp: 5445  
Ion Ratio Lower Upper  
83 100  
55 85.0 71.0 106.4  
98 53.5 36.9 55.3



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: 3.893 ug/l

RT: 7.46 min Scan# 911

Delta R.T. -0.02 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

Instrument :

MSVOA\_W

ClientSampleId :

20190665-LOCATION-3

Tgt Ion: 41 Resp: 78

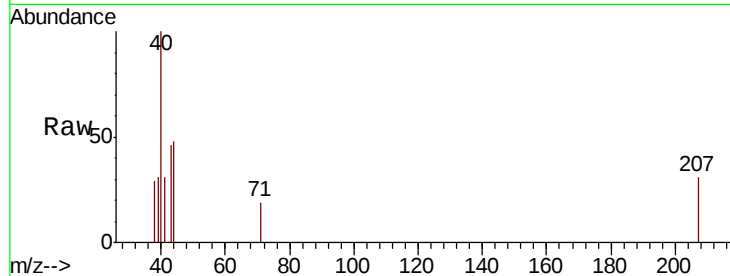
Ion Ratio Lower Upper

41 100

39 44.9 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

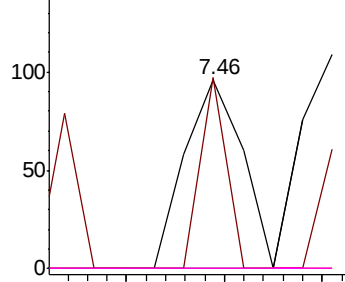


Abundance Ion 41.00 (40.70 to 41.70): VW

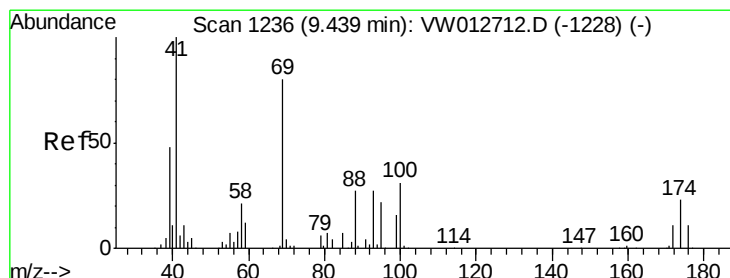
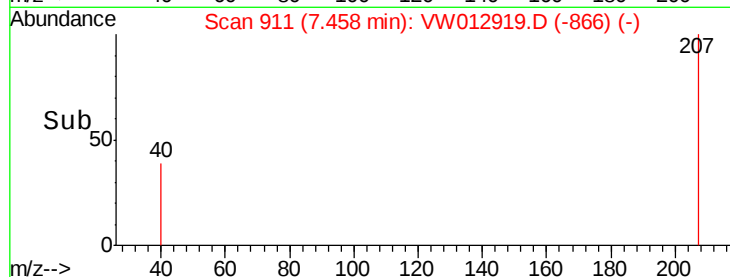
Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



Time-->



#49

1,4-Dioxane

Concen: 1.595 ug/l

RT: 9.35 min Scan# 1222

Delta R.T. -0.09 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

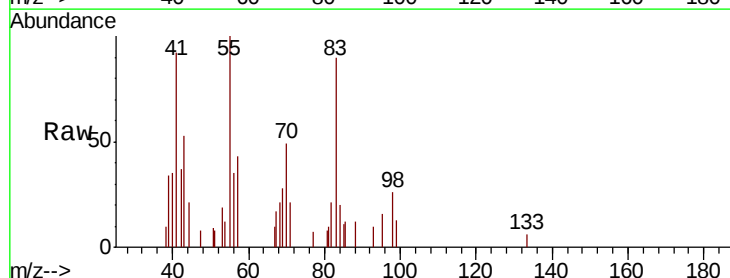
Tgt Ion: 88 Resp: 35

Ion Ratio Lower Upper

88 100

43 0.0 34.8 52.2#

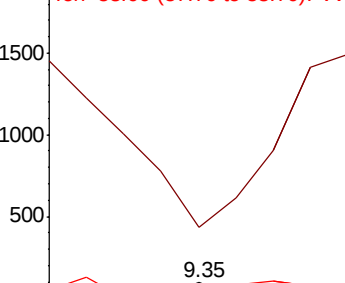
58 334.3 64.1 96.1#



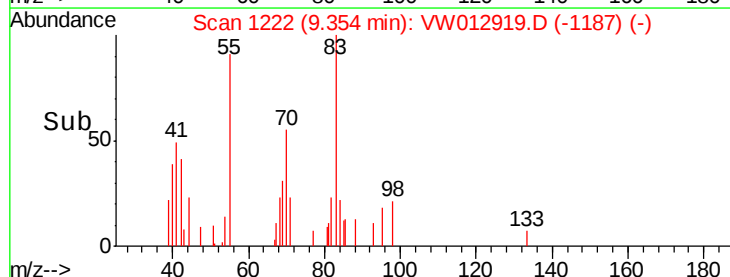
Abundance Ion 88.00 (87.70 to 88.70): VW

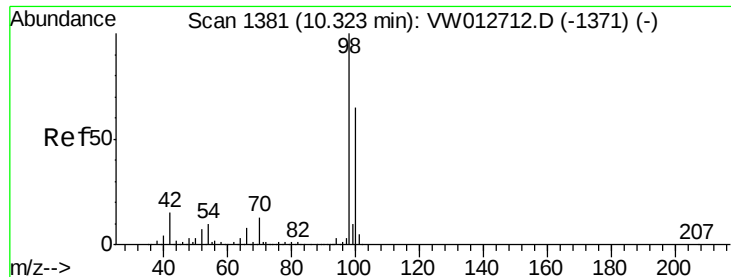
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->

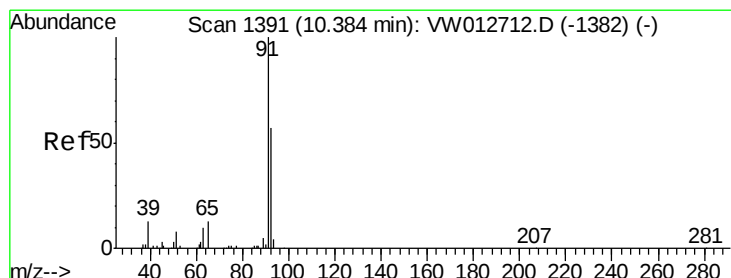
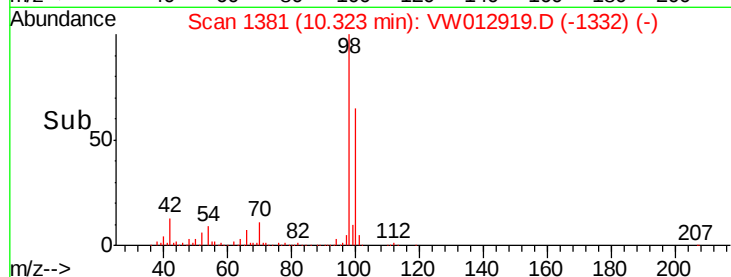
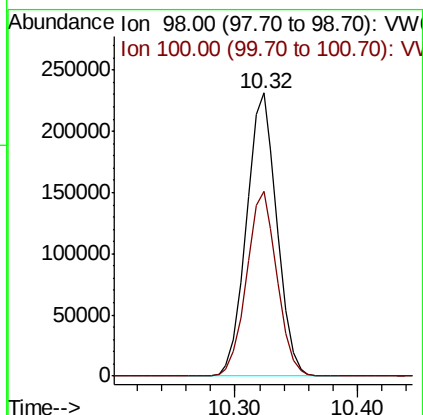
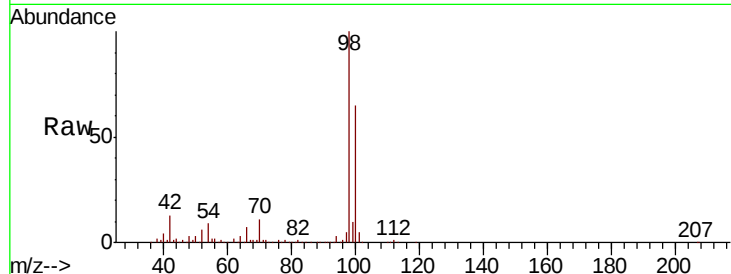




#50  
Toluene-d8  
Concen: 50.000 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW012919.D  
Acq: 11 Sep 2019 16:01

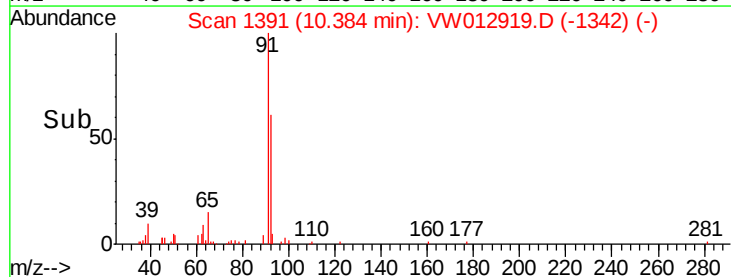
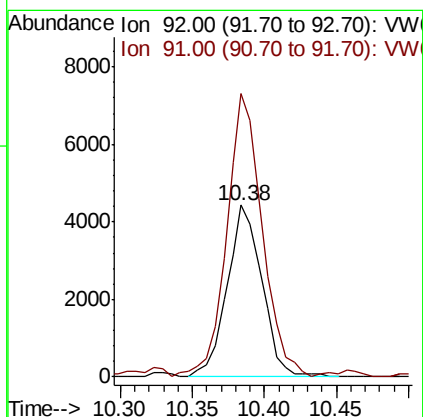
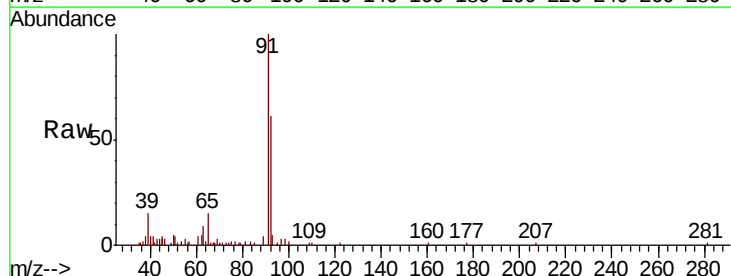
Instrument :  
MSVOA\_W  
ClientSampleId :  
20190665-LOCATION-3

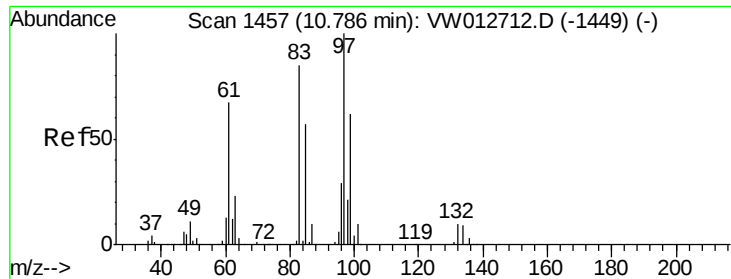
Tgt Ion: 98 Resp: 399688  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.2 78.4



#52  
Toluene  
Concen: 1.422 ug/l  
RT: 10.38 min Scan# 1391  
Delta R.T. 0.00 min  
Lab File: VW012919.D  
Acq: 11 Sep 2019 16:01

Tgt Ion: 92 Resp: 7510  
Ion Ratio Lower Upper  
92 100  
91 167.4 137.0 205.4

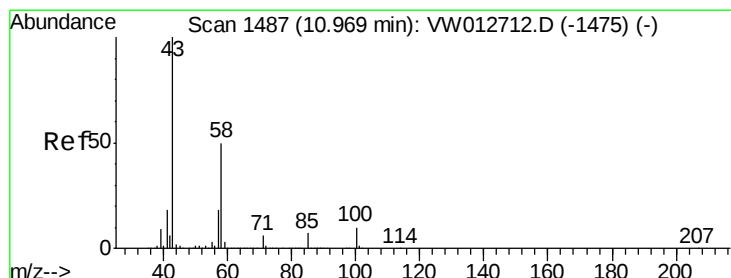
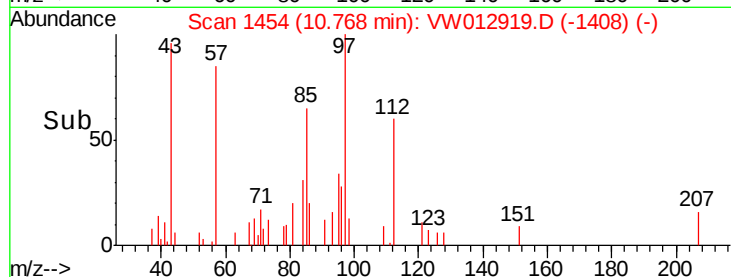
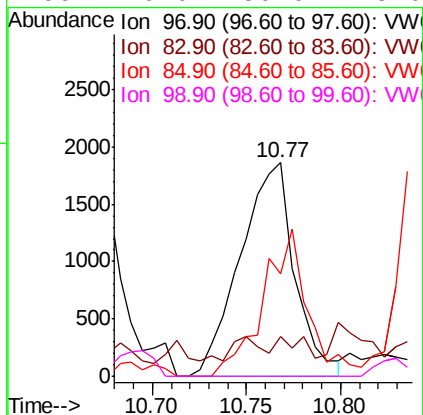
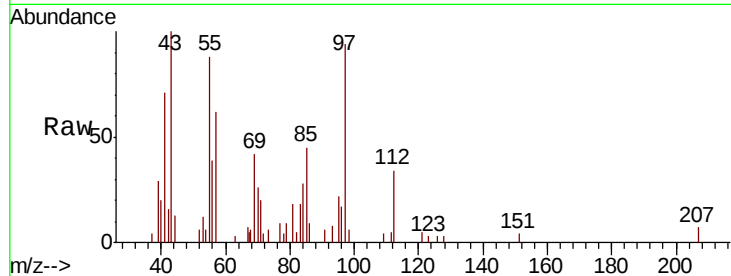




#55  
 1,1,2-Trichloroethane  
 Concen: 2.244 ug/l  
 RT: 10.77 min Scan# 1454  
 Delta R.T. -0.02 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

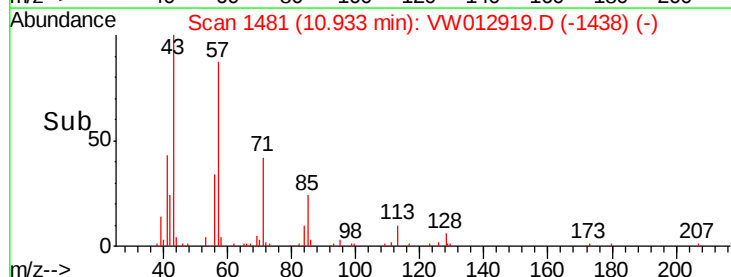
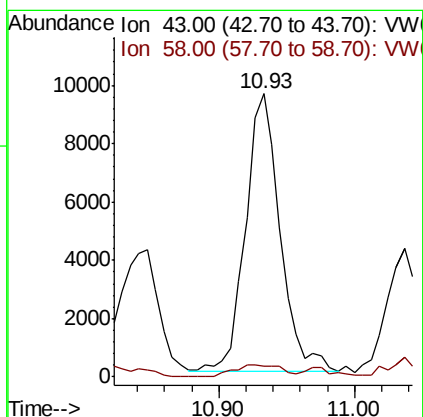
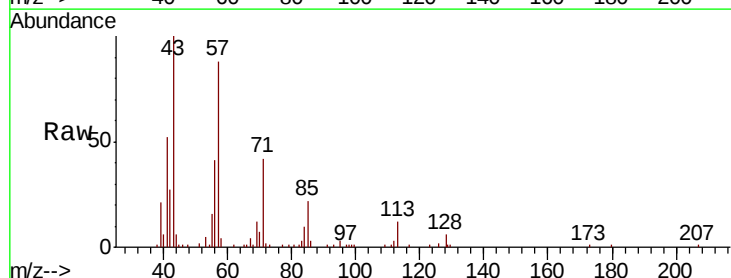
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190665-LOCATION-3

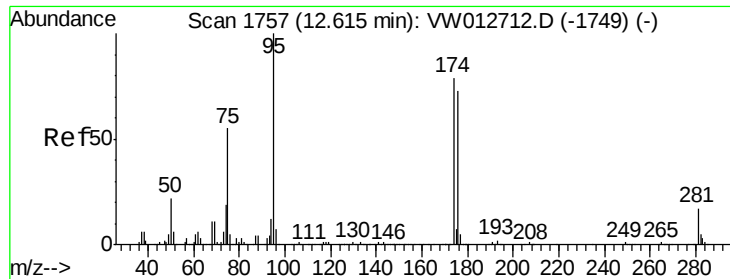
Tgt Ion: 97 Resp: 3733  
 Ion Ratio Lower Upper  
 97 100  
 83 10.3 68.1 102.1#  
 85 48.2 45.3 67.9  
 99 0.0 50.0 75.0#



#59  
 2-Hexanone  
 Concen: 11.950 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.04 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

Tgt Ion: 43 Resp: 16871  
 Ion Ratio Lower Upper  
 43 100  
 58 6.0 24.7 74.1#

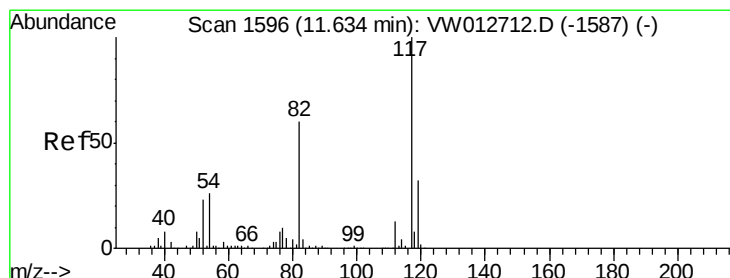
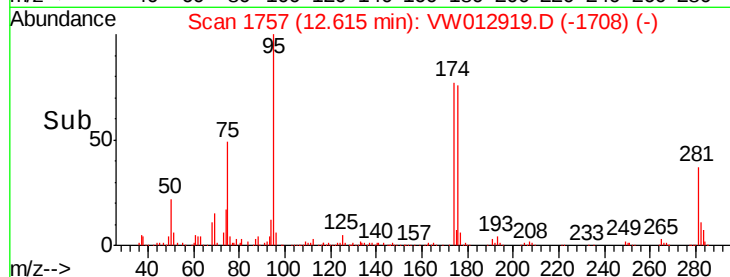
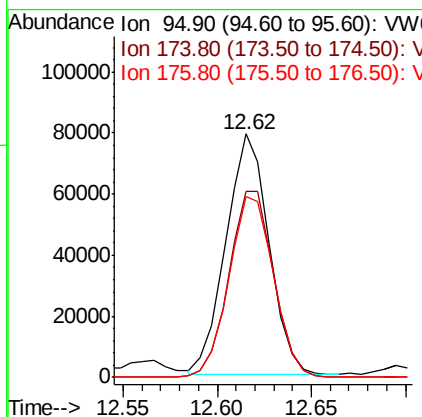
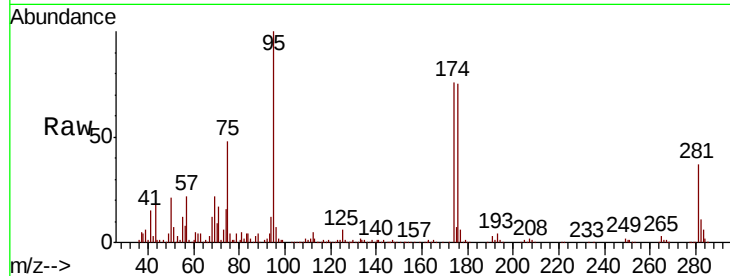




#62  
4-Bromofluorobenzene  
Concen: 42.748 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. 0.00 min  
Lab File: VW012919.D  
Acq: 11 Sep 2019 16:01

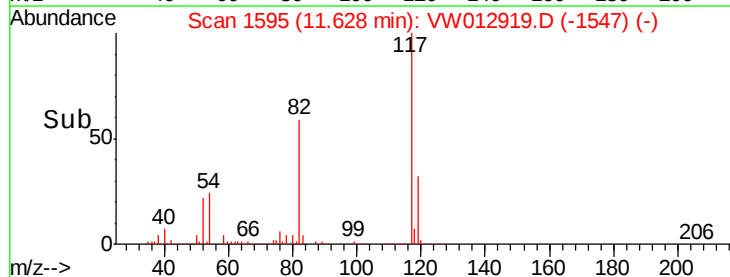
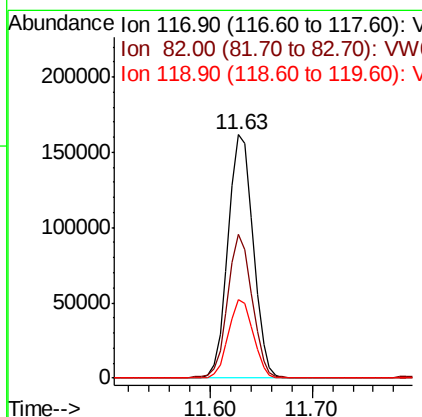
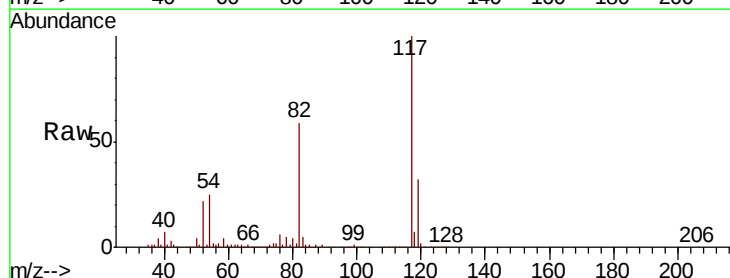
Instrument :  
MSVOA\_W  
ClientSampleId :  
20190665-LOCATION-3

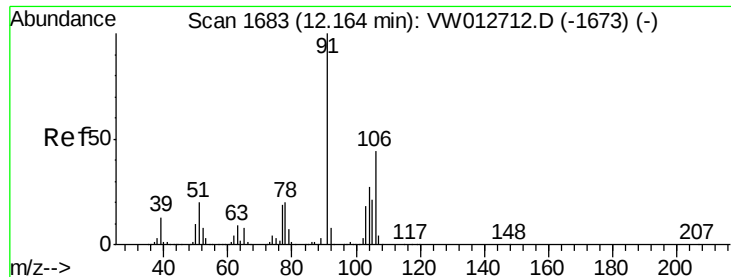
Tgt Ion: 95 Resp: 124053  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 161.0  
176 78.9 0.0 156.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW012919.D  
Acq: 11 Sep 2019 16:01

Tgt Ion: 117 Resp: 275012  
Ion Ratio Lower Upper  
117 100  
82 58.8 48.2 72.4  
119 32.0 25.8 38.6

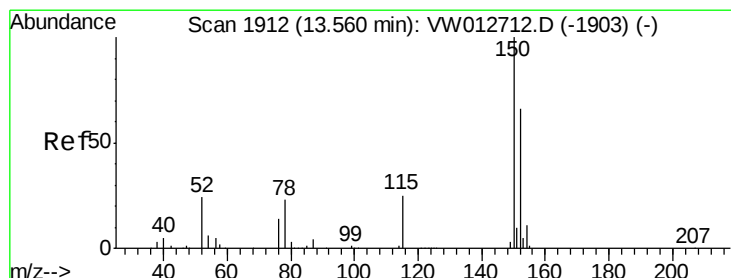
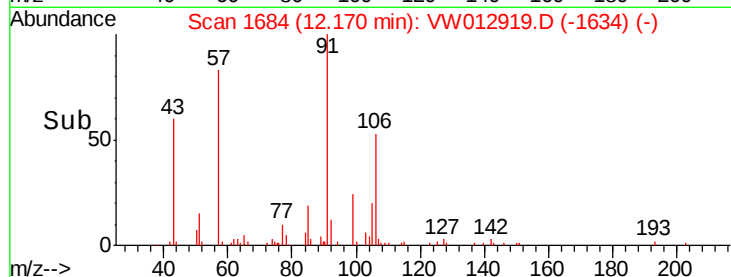
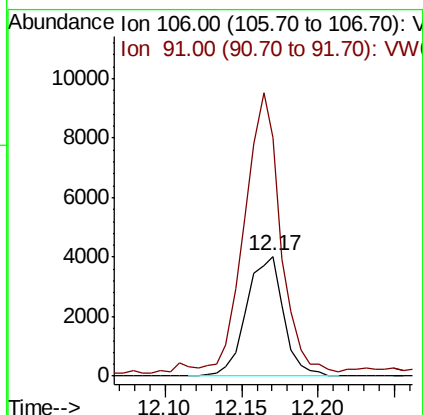
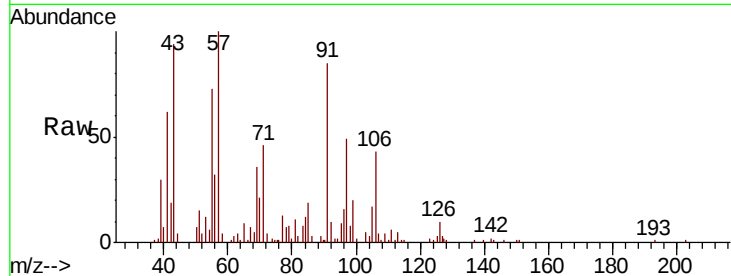




#69  
o-Xylene  
Concen: 2.039 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.01 min  
Lab File: VW012919.D  
Acq: 11 Sep 2019 16:01

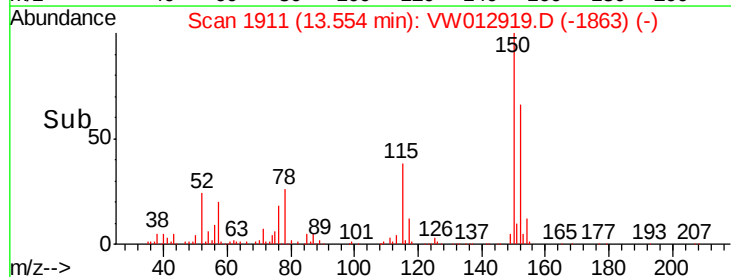
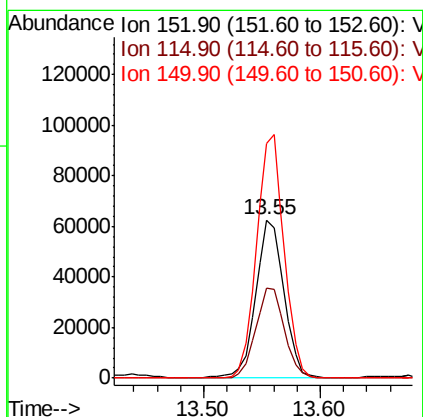
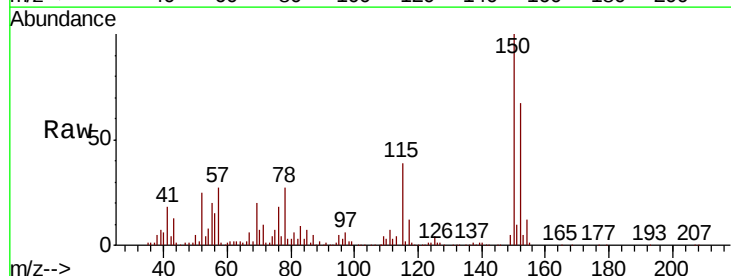
Instrument :  
MSVOA\_W  
ClientSampleId :  
20190665-LOCATION-3

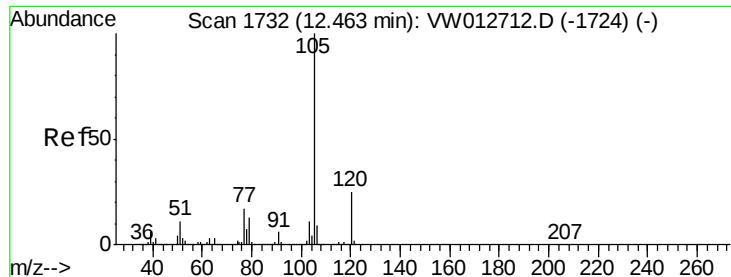
Tgt Ion:106 Resp: 6773  
Ion Ratio Lower Upper  
106 100  
91 224.1 112.3 336.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.55 min Scan# 1911  
Delta R.T. -0.01 min  
Lab File: VW012919.D  
Acq: 11 Sep 2019 16:01

Tgt Ion:152 Resp: 104502  
Ion Ratio Lower Upper  
152 100  
115 57.7 30.0 90.1  
150 149.6 0.0 349.0





#73

Isopropylbenzene

Concen: 1.716 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

Instrument :

MSVOA\_W

ClientSampleId :

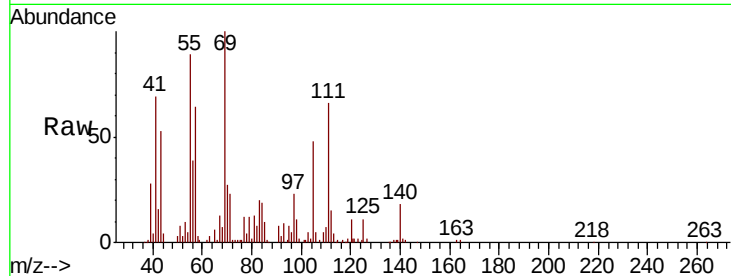
20190665-LOCATION-3

Tgt Ion:105 Resp: 12860

Ion Ratio Lower Upper

105 100

120 21.6 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

6000

4000

2000

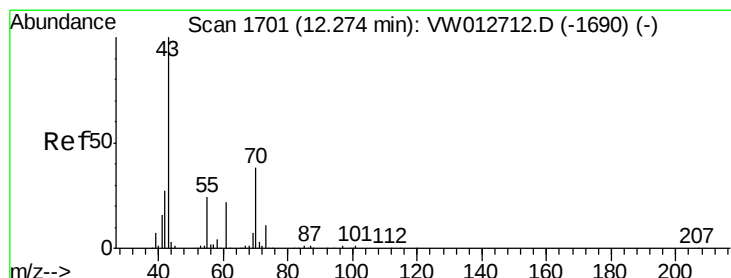
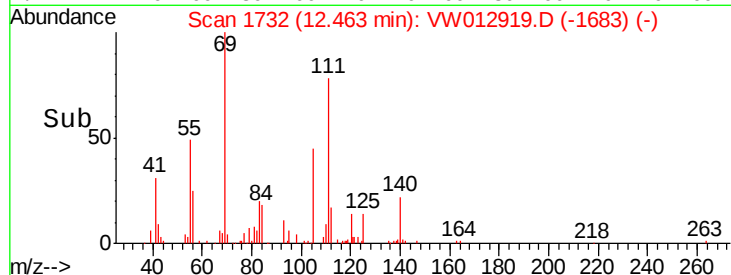
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 35.708 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

Tgt Ion: 43 Resp: 84952

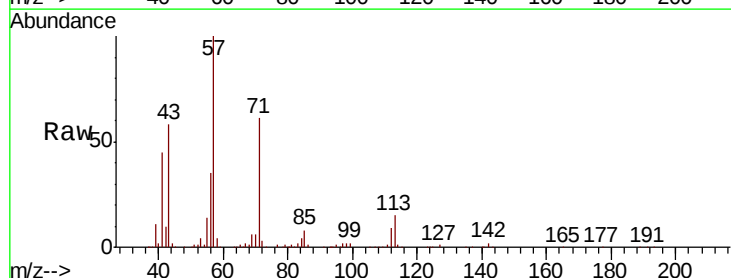
Ion Ratio Lower Upper

43 100

70 16.5 29.4 44.0#

55 30.2 18.6 27.8#

61 0.0 17.8 26.6#



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

80000

60000

40000

20000

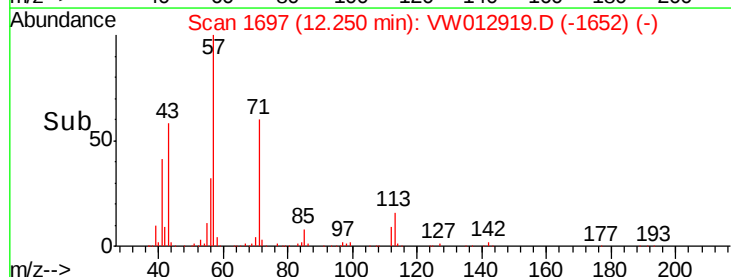
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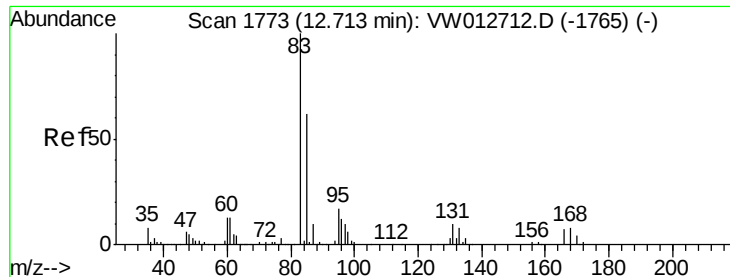
12.25

12.20

12.30

Time-->

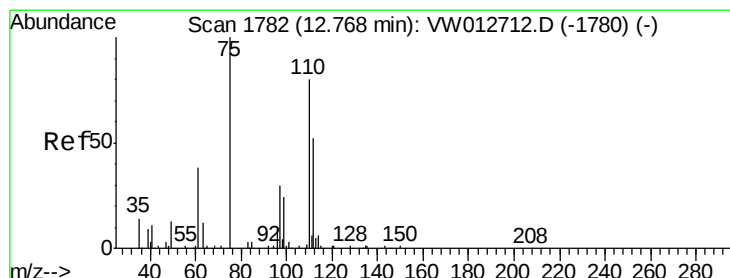
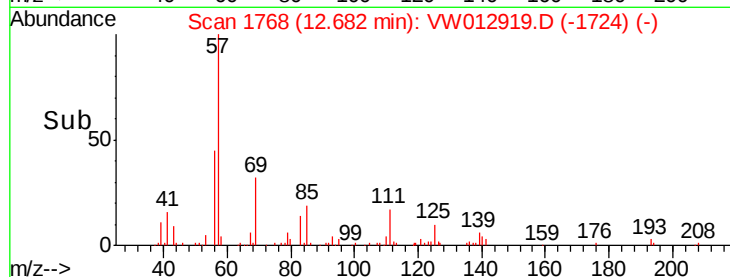
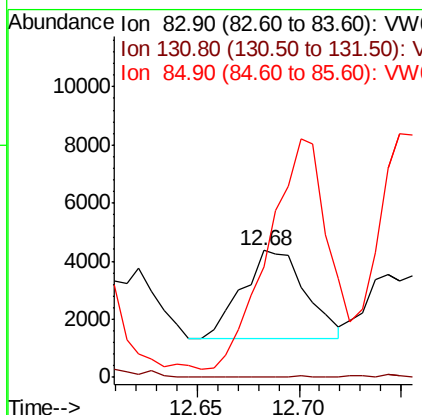
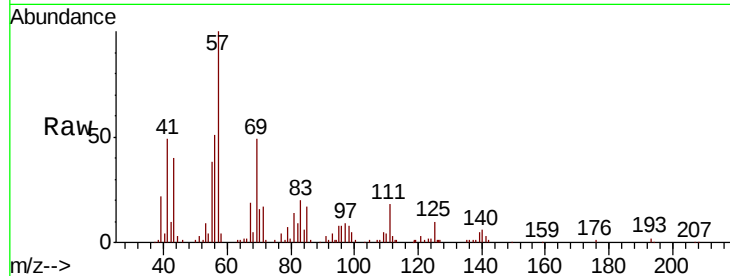




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 4.357 ug/l  
 RT: 12.68 min Scan# 1768  
 Delta R.T. -0.03 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

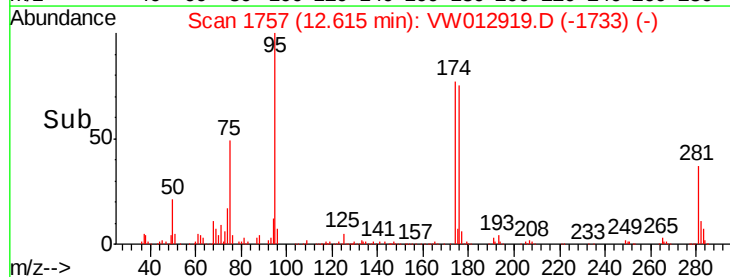
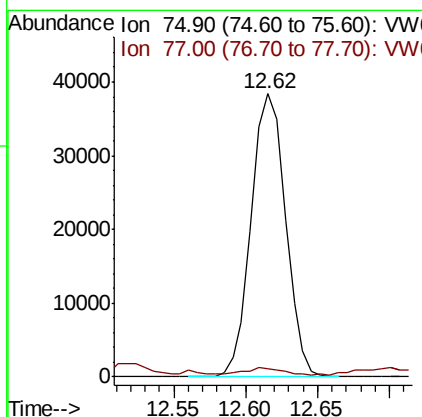
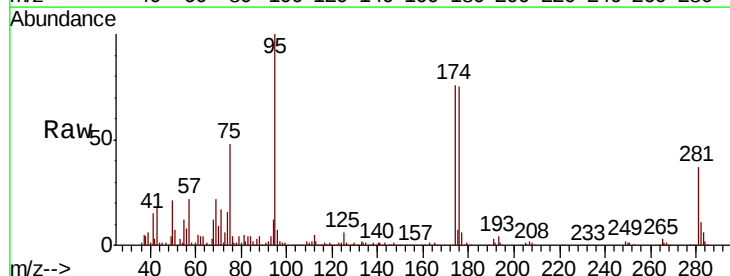
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190665-LOCATION-3

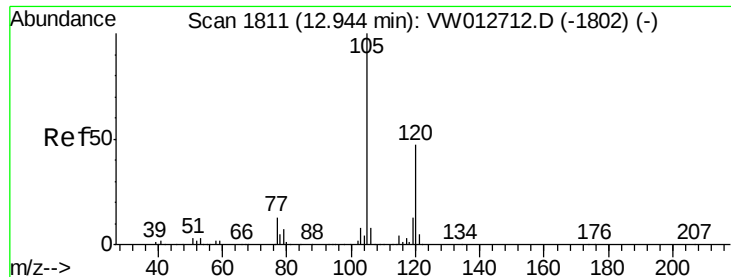
Tgt Ion: 83 Resp: 6559  
 Ion Ratio Lower Upper  
 83 100  
 131 0.4 5.1 15.4#  
 85 249.2 31.4 94.2#



#76  
 1,2,3-Trichloropropane  
 Concen: 59.447 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. -0.15 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

Tgt Ion: 75 Resp: 63524  
 Ion Ratio Lower Upper  
 75 100  
 77 3.0 0.0 0.0#

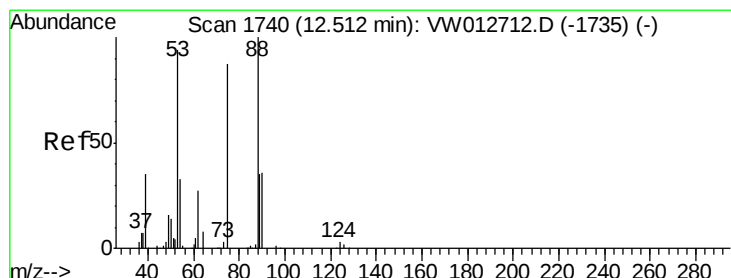
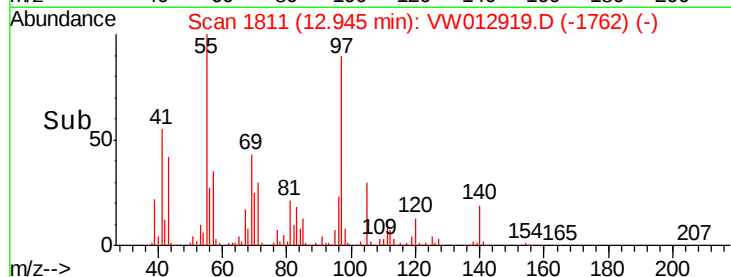
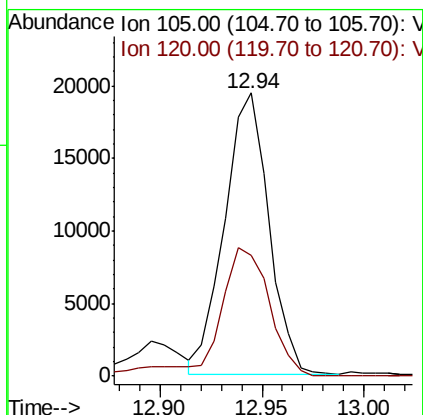
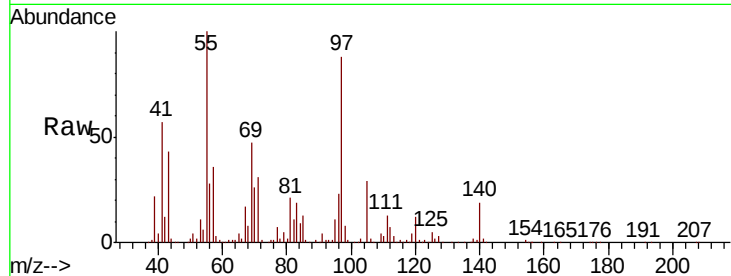




#80  
 1,3,5-Trimethylbenzene  
 Concen: 4.611 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. 0.00 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

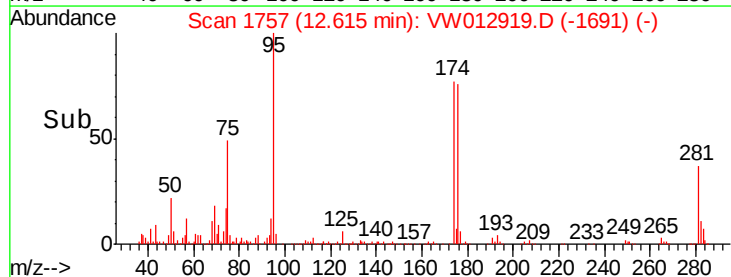
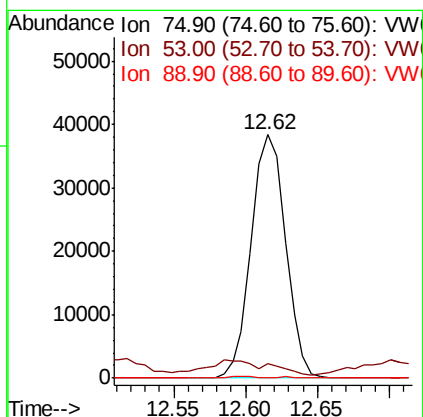
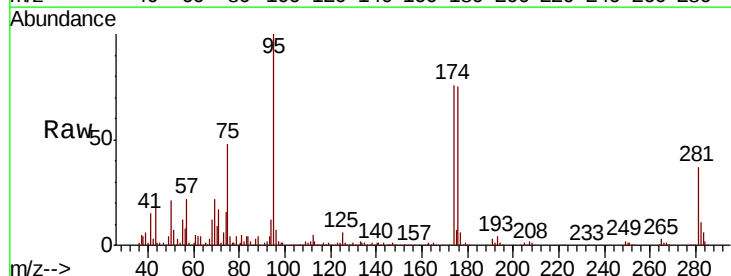
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190665-LOCATION-3

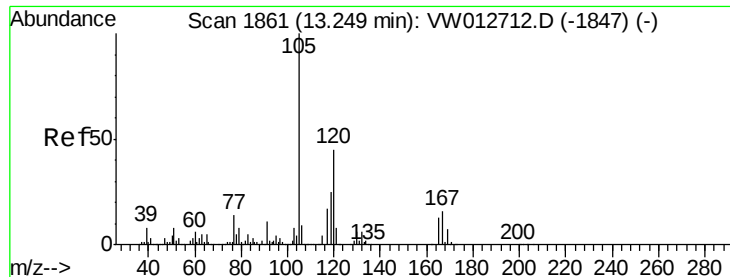
Tgt Ion:105 Resp: 29121  
 Ion Ratio Lower Upper  
 105 100  
 120 53.8 23.9 71.8



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 125.735 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.10 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

Tgt Ion: 75 Resp: 63524  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 87.6 131.4#  
 89 0.6 35.5 53.3#

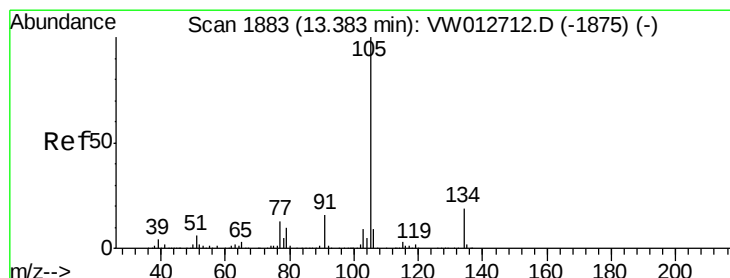
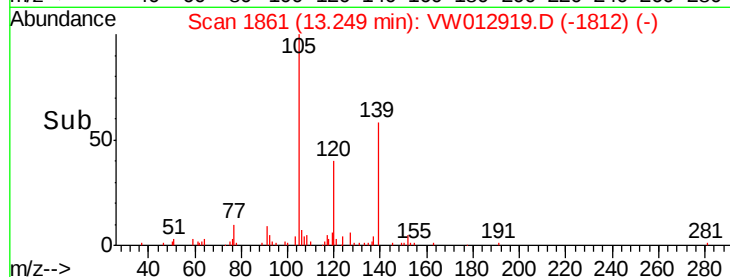
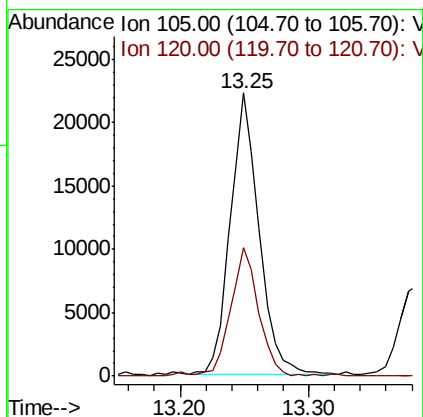
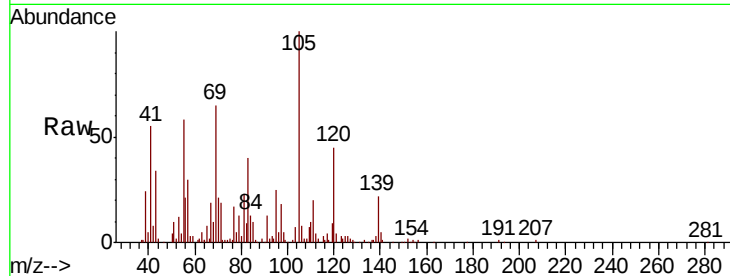




#84  
 1,2,4-Trimethylbenzene  
 Concen: 5.426 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. 0.00 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

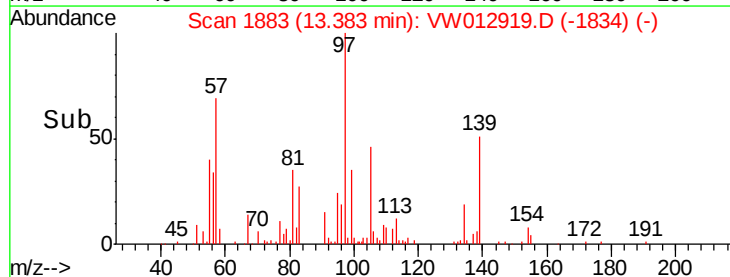
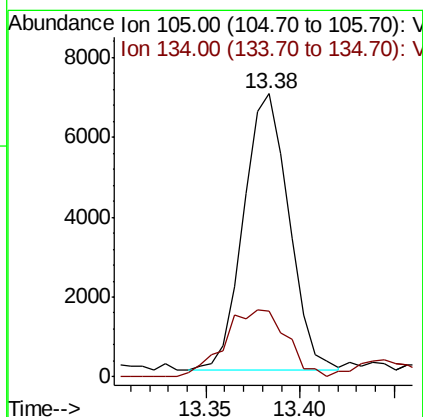
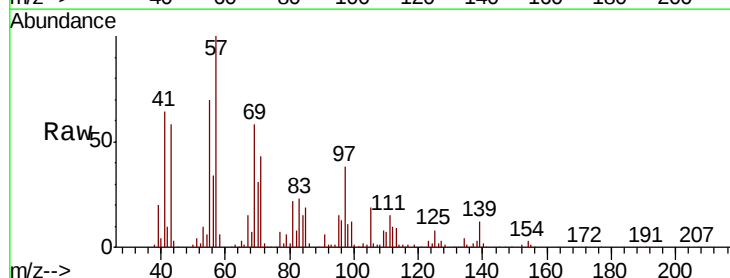
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190665-LOCATION-3

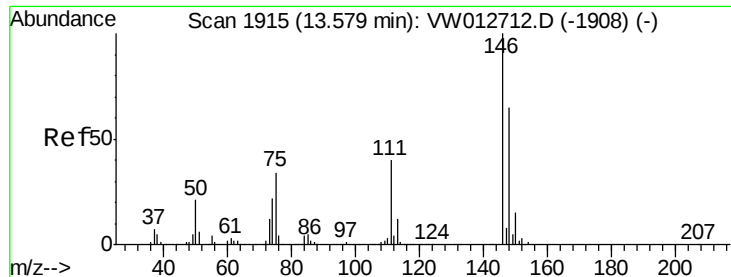
Tgt Ion:105 Resp: 34529  
 Ion Ratio Lower Upper  
 105 100  
 120 43.2 22.1 66.3



#85  
 sec-Butylbenzene  
 Concen: 1.479 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. 0.00 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

Tgt Ion:105 Resp: 11459  
 Ion Ratio Lower Upper  
 105 100  
 134 33.2 9.8 29.3#





#88

1,4-Dichlorobenzene

Concen: 1.091 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

Instrument :

MSVOA\_W

ClientSampleId :

20190665-LOCATION-3

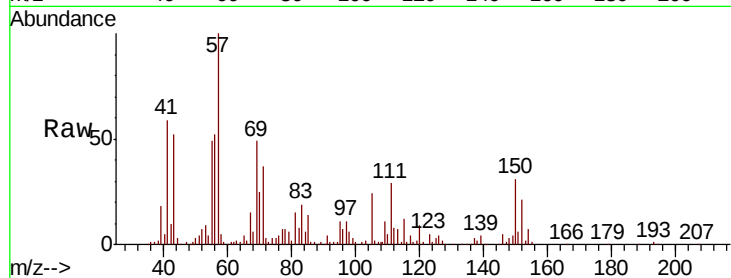
Tgt Ion:146 Resp: 3623

Ion Ratio Lower Upper

146 100

111 538.9 20.0 60.0#

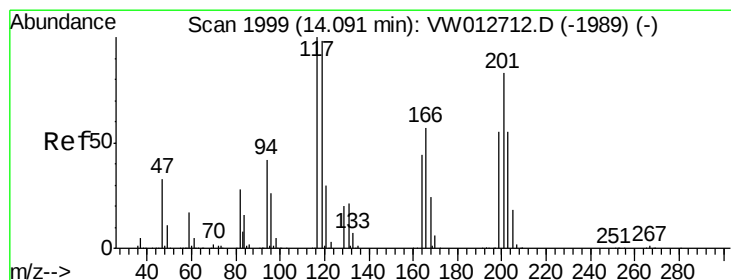
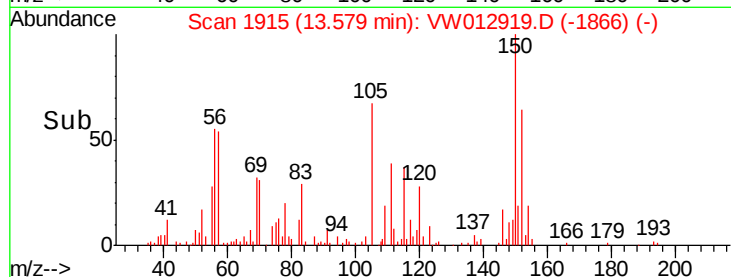
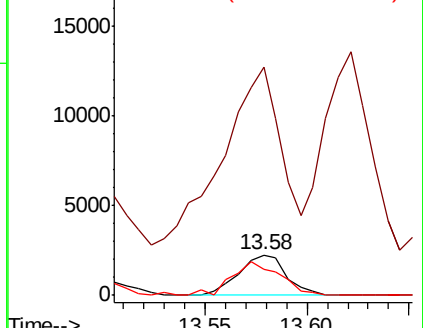
148 83.5 32.2 96.6



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



#90

Hexachloroethane

Concen: 2.731 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW012919.D

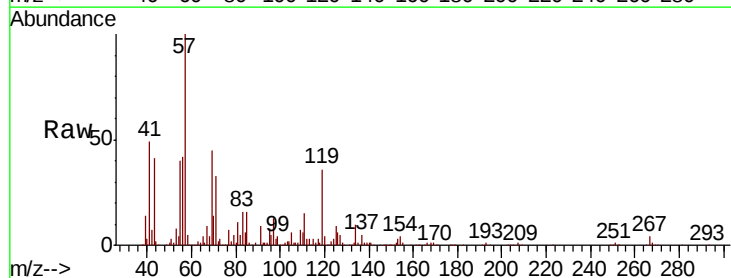
Acq: 11 Sep 2019 16:01

Tgt Ion:117 Resp: 3374

Ion Ratio Lower Upper

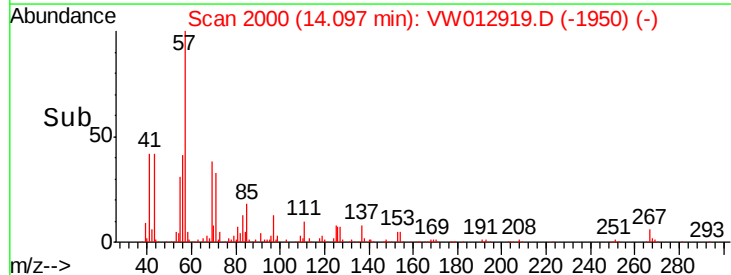
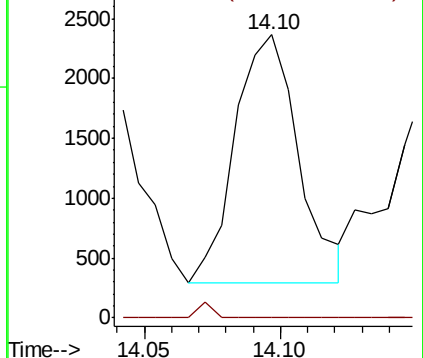
117 100

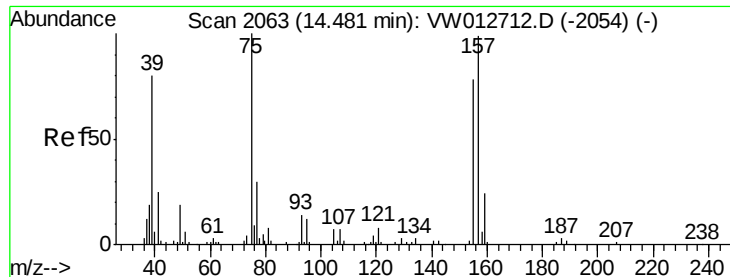
201 0.0 42.8 128.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

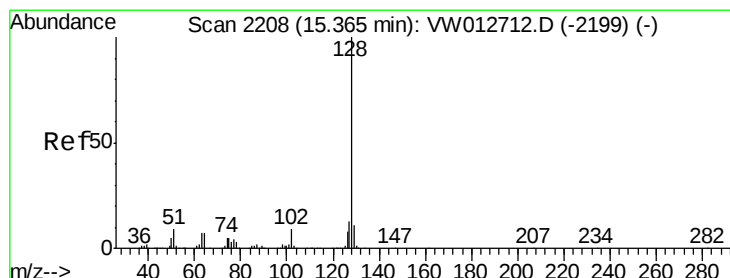
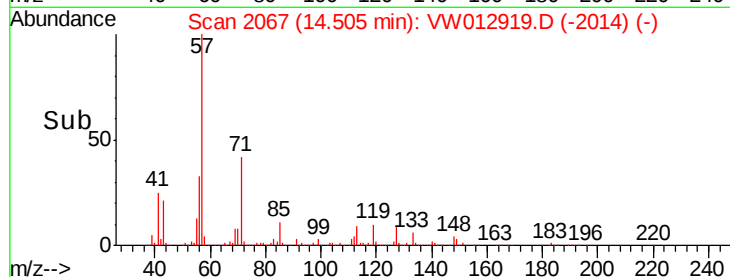
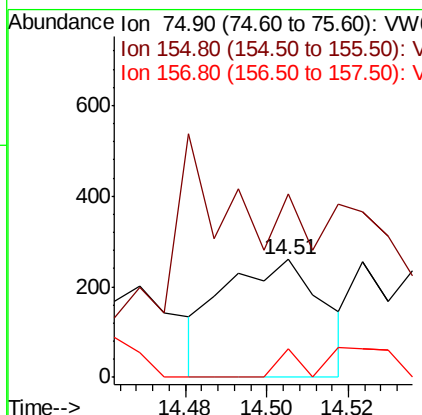
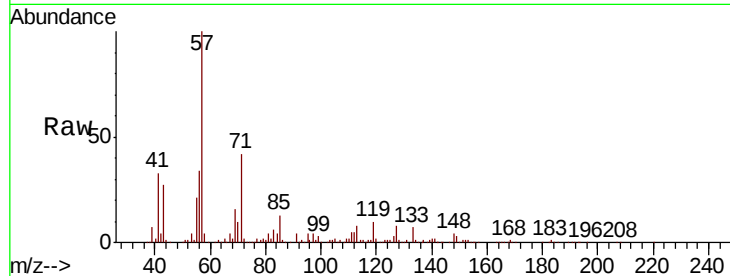




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 1.601 ug/l  
 RT: 14.51 min Scan# 2067  
 Delta R.T. 0.02 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190665-LOCATION-3

Tgt Ion: 75 Resp: 441  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 40.6 122.0#  
 157 0.0 52.5 157.5#



#95  
 Naphthalene  
 Concen: 10.921 ug/l  
 RT: 15.36 min Scan# 2208  
 Delta R.T. 0.00 min  
 Lab File: VW012919.D  
 Acq: 11 Sep 2019 16:01

Tgt Ion: 128 Resp: 31190  
 Ion Ratio Lower Upper  
 128 100  
 127 0.0 10.7 16.1#  
 129 10.7 8.7 13.1

