

Data File : VW013418.D  
Acq On : 03 Oct 2019 14:01  
Operator : SY/VA  
Sample : K5140-01  
Misc : 7.12G/5ML/MSVOA\_W/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
30459-61

Quant Time: Oct 04 08:23:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100119S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 02 11:49:57 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 286395   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 443459   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 300360   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 150605   | 50.00 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.30   | 65  | 125345   | 58.62 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 117.24% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 128097   | 55.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.10% |      |
| 50) Toluene-d8            | 10.32  | 98  | 616298   | 63.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 127.64% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 290635   | 90.13 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 180.26% |      |

#### Target Compounds

|                                |       |     |         |           | Qvalue |     |
|--------------------------------|-------|-----|---------|-----------|--------|-----|
| 11) Tert butyl alcohol         | 5.13  | 59  | 103     | Below Cal | #      | 73  |
| 16) Acetone                    | 4.14  | 43  | 19070   | 29.094    | ug/l   | 100 |
| 20) Methylene Chloride         | 4.92  | 84  | 12823   | 3.004     | ug/l   | 92  |
| 25) 2-Butanone                 | 7.18  | 43  | 2574    | 3.069     | ug/l # | 70  |
| 26) 2,2-Dichloropropane        | 7.15  | 77  | 629     | Below Cal | #      | 52  |
| 29) Tetrahydrofuran            | 7.56  | 42  | 117     | 9.924     | ug/l # | 34  |
| 31) Cyclohexane                | 7.95  | 56  | 21856   | 4.467     | ug/l # | 77  |
| 36) 1,1-Dichloropropene        | 7.95  | 75  | 18394   | 4.466     | ug/l # | 44  |
| 37) Ethyl Acetate              | 7.18  | 43  | 2574    | 1.562     | ug/l # | 71  |
| 38) Carbon Tetrachloride       | 7.95  | 117 | 24844   | 6.963     | ug/l # | 19  |
| 39) Methylcyclohexane          | 9.34  | 83  | 735554  | 135.599   | ug/l   | 97  |
| 40) Benzene                    | 8.32  | 78  | 27366   | 2.347     | ug/l   | 93  |
| 43) Isopropyl Acetate          | 8.42  | 43  | 4658    | 1.361     | ug/l # | 50  |
| 45) 1,2-Dichloropropane        | 9.34  | 63  | 6569    | 2.347     | ug/l # | 1   |
| 48) Methyl methacrylate        | 9.51  | 41  | 19110   | 11.625    | ug/l # | 28  |
| 51) 4-Methyl-2-Pentanone       | 10.10 | 43  | 1219028 | 678.157   | ug/l # | 41  |
| 52) Toluene                    | 10.38 | 92  | 1779984 | 236.684   | ug/l   | 100 |
| 55) 1,1,2-Trichloroethane      | 10.76 | 97  | 843963  | 405.731   | ug/l # | 21  |
| 56) Ethyl methacrylate         | 10.66 | 69  | 142636  | 50.945    | ug/l # | 2   |
| 59) 2-Hexanone                 | 10.93 | 43  | 709392  | 569.363   | ug/l # | 28  |
| 60) Dibromochloromethane       | 11.04 | 129 | 3685    | 1.549     | ug/l # | 39  |
| 65) Chlorobenzene              | 11.56 | 112 | 10427   | 1.694     | ug/l # | 42  |
| 67) Ethyl Benzene              | 11.73 | 91  | 3633751 | 329.487   | ug/l   | 98  |
| 68) m/p-Xylenes                | 11.83 | 106 | 6351234 | 1491.990  | ug/l   | 94  |
| 69) o-Xylene                   | 12.16 | 106 | 3374937 | 857.487   | ug/l   | 95  |
| 70) Styrene                    | 12.16 | 104 | 169602  | 25.208    | ug/l # | 1   |
| 73) Isopropylbenzene           | 12.46 | 105 | 1053495 | 95.630    | ug/l   | 100 |
| 74) N-amyl acetate             | 12.26 | 43  | 1584479 | 675.825   | ug/l # | 49  |
| 75) 1,1,2,2-Tetrachloroethane  | 12.66 | 83  | 49440   | 26.515    | ug/l # | 1   |
| 76) 1,2,3-Trichloropropane     | 12.80 | 75  | 27233   | 20.345    | ug/l # | 100 |
| 78) n-propylbenzene            | 12.80 | 91  | 4691499 | 370.224   | ug/l   | 99  |
| 79) 2-Chlorotoluene            | 12.87 | 91  | 1465010 | 208.146   | ug/l # | 41  |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105 | 6044633 | 660.526   | ug/l   | 94  |
| 81) trans-1,4-Dichloro-2-buten | 12.46 | 75  | 11547   | 21.004    | ug/l # | 1   |

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Quant Title : SW846 8260  
QLast Update : Wed Oct 02 11:49:57 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 82) 4-Chlorotoluene            | 12.94 | 91   | 627116   | 85.057   | ug/l # | 48       |
| 83) tert-Butylbenzene          | 13.26 | 119  | 2638050  | 330.035  | ug/l # | 73       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 16282582 | 1789.809 | ug/l   | 83       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 1511915  | 137.190  | ug/l # | 76       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 1094682  | 107.181  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.82 | 91   | 3343047  | 363.060  | ug/l # | 71       |
| 90) Hexachloroethane           | 14.10 | 117  | 375642   | 222.620  | ug/l # | 5        |
| 92) 1,2-Dibromo-3-Chloropropan | 14.46 | 75   | 18243    | 65.410   | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene     | 15.15 | 180  | 11520    | 3.649    | ug/l # | 1        |
| 95) Naphthalene                | 15.36 | 128  | 605722   | 113.730  | ug/l # | 92       |
| 96) 1,2,3-Trichlorobenzene     | 15.58 | 180  | 45948    | 16.668   | ug/l # | 1        |

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

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**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
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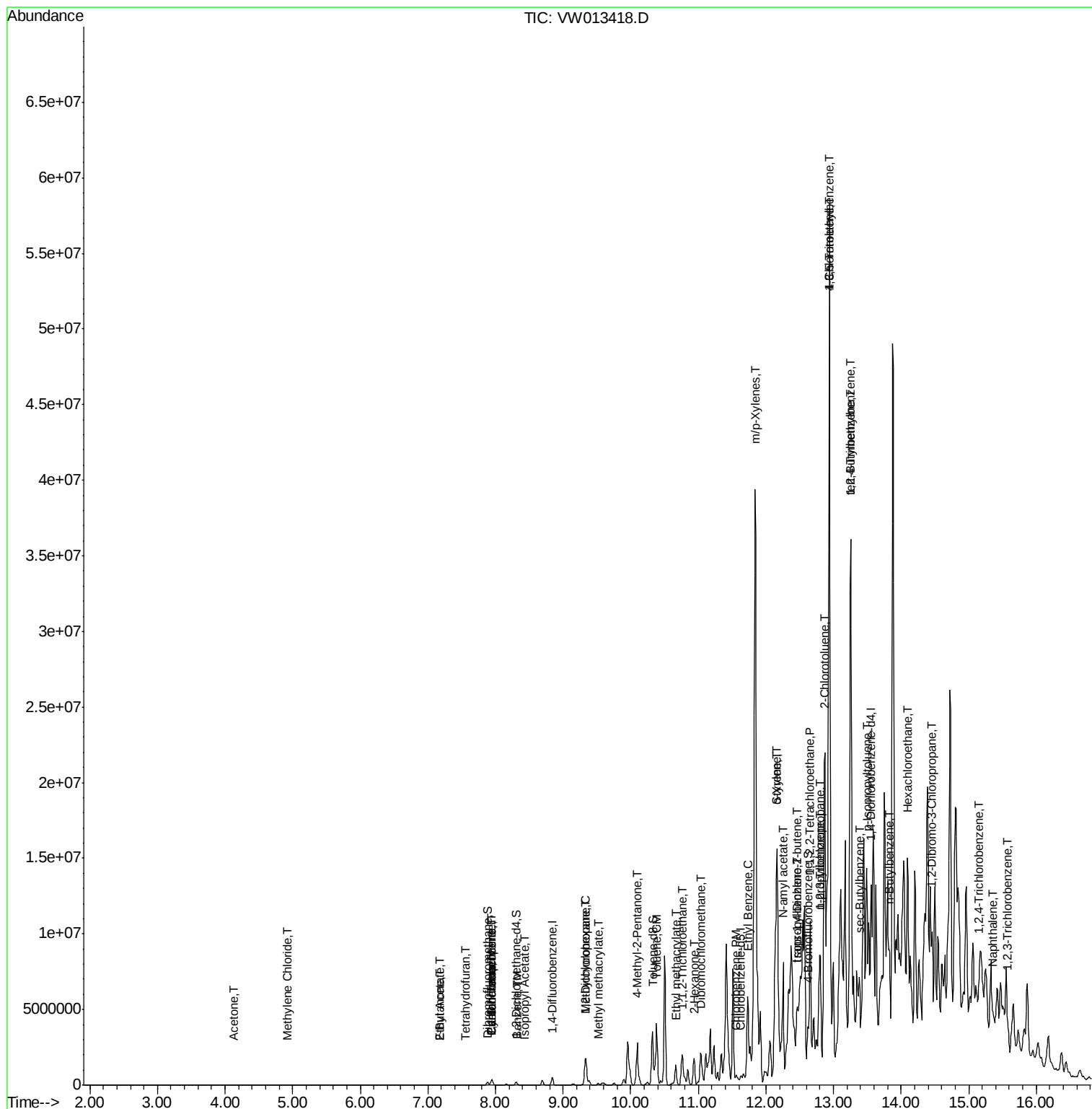
Quant Time: Oct 04 08:23:56 2019

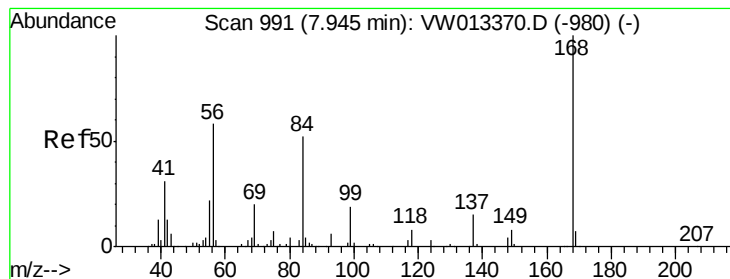
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA W\METHOD\82W100119S.M

Quant Title : SW846 8260

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

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Acq: 03 Oct 2019 14:01

Instrument :

MSVOA\_W

ClientSampleId :

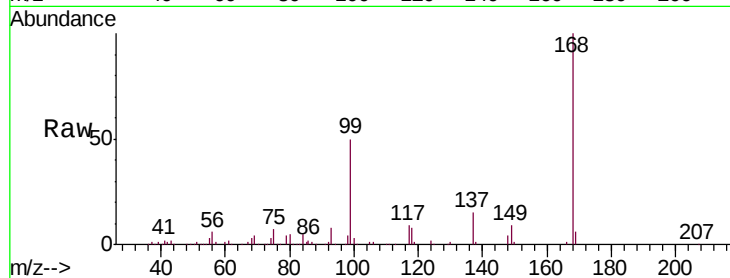
30459-61

Tgt Ion:168 Resp: 286395

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

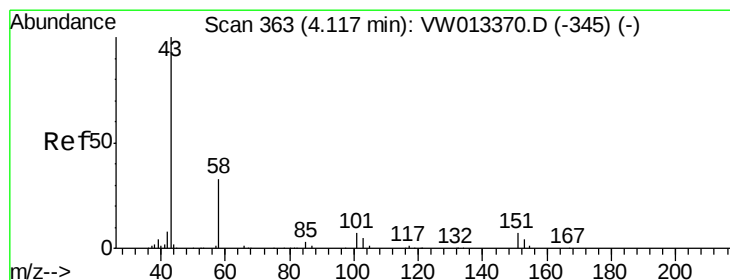
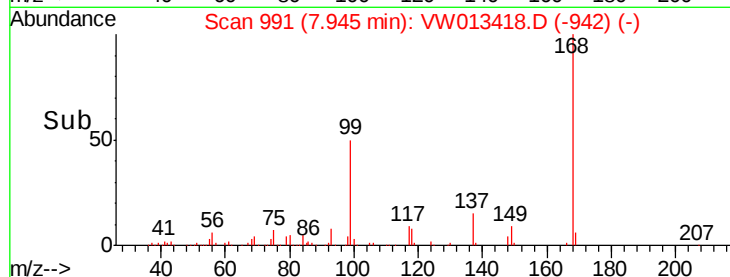
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 29.094 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013418.D

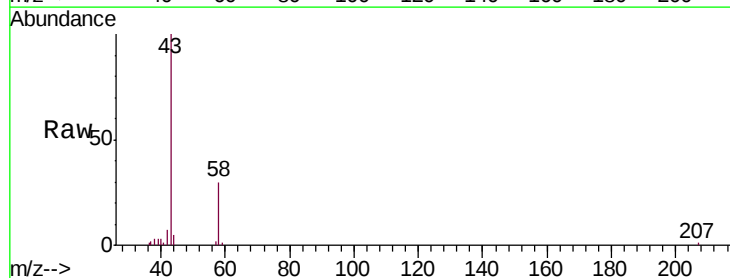
Acq: 03 Oct 2019 14:01

Tgt Ion: 43 Resp: 19070

Ion Ratio Lower Upper

43 100

58 30.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

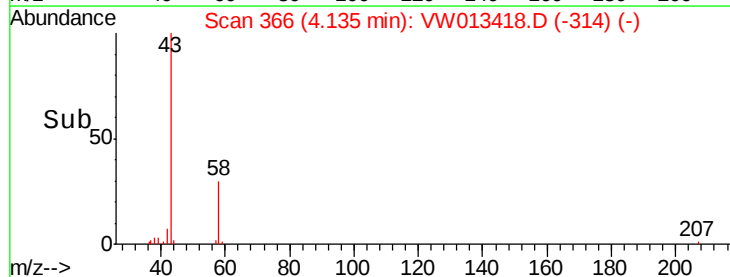
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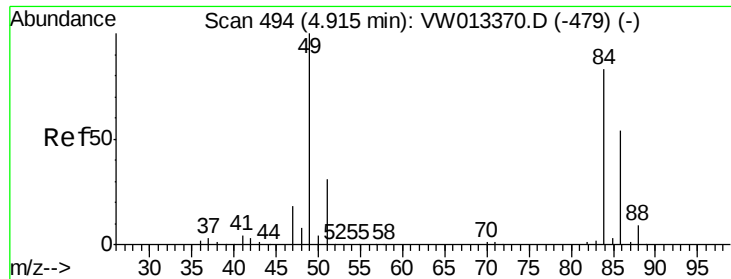
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2000

0

Time-->

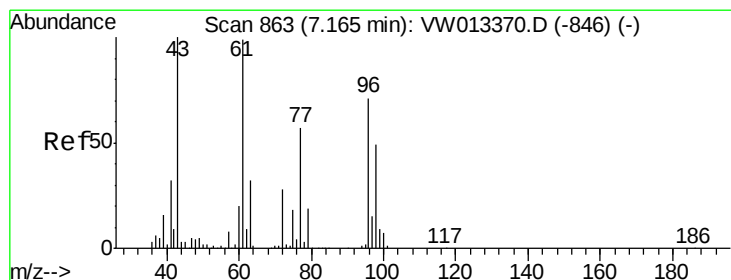
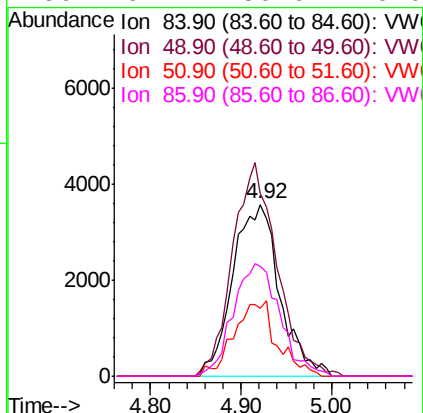
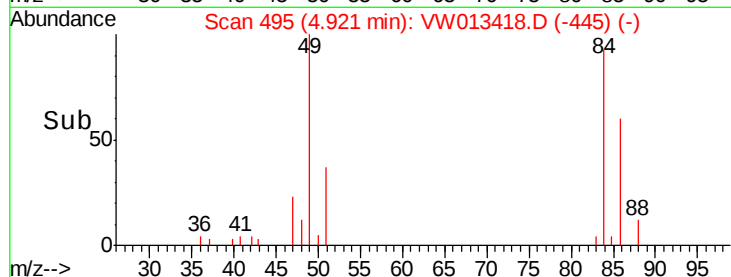
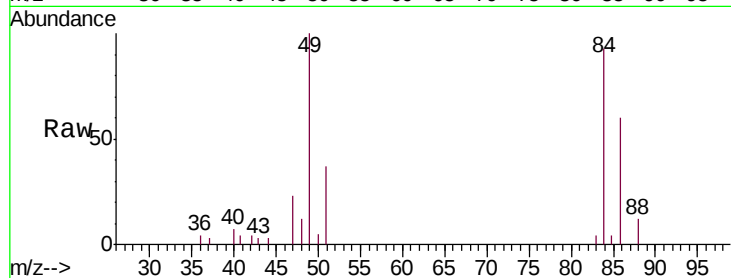




#20  
Methylene Chloride  
Concen: 3.004 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

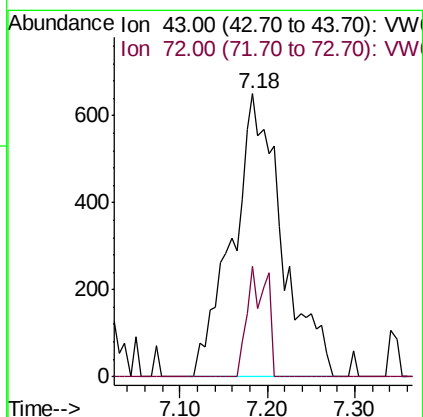
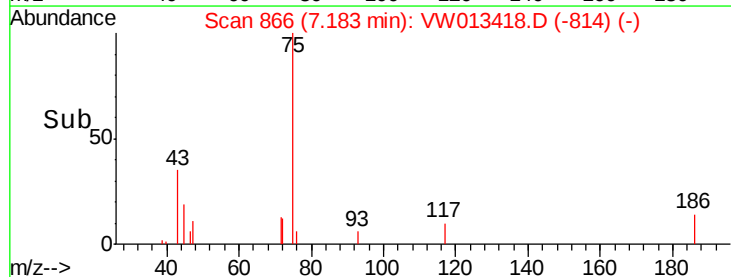
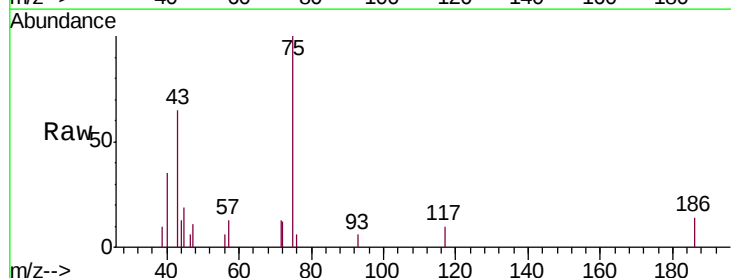
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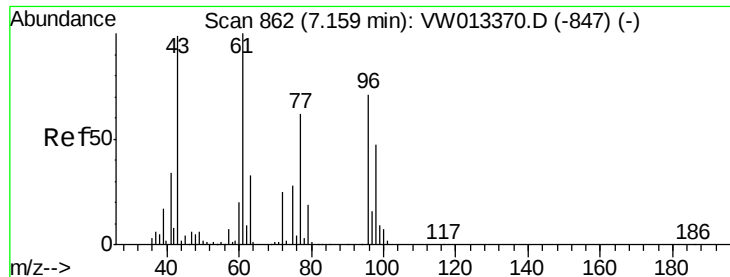
Tgt Ion: 84 Resp: 12823  
Ion Ratio Lower Upper  
84 100  
49 107.0 97.6 146.4  
51 39.7 30.2 45.2  
86 64.1 50.6 76.0



#25  
2-Butanone  
Concen: 3.069 ug/l  
RT: 7.18 min Scan# 866  
Delta R.T. 0.02 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

Tgt Ion: 43 Resp: 2574  
Ion Ratio Lower Upper  
43 100  
72 39.2 19.4 29.0#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA\_W

ClientSampleId :

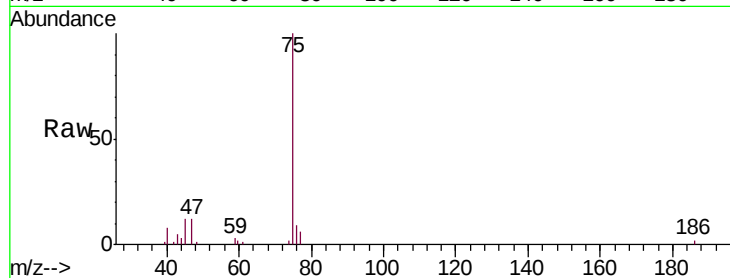
30459-61

Tgt Ion: 77 Resp: 629

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

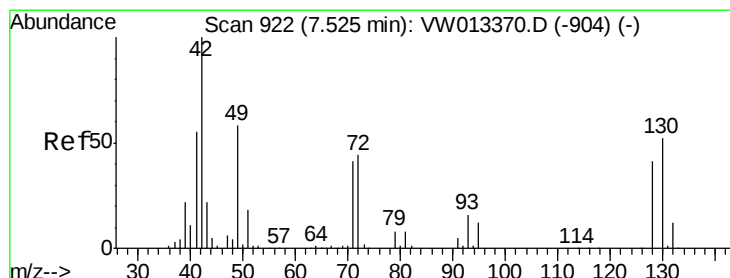
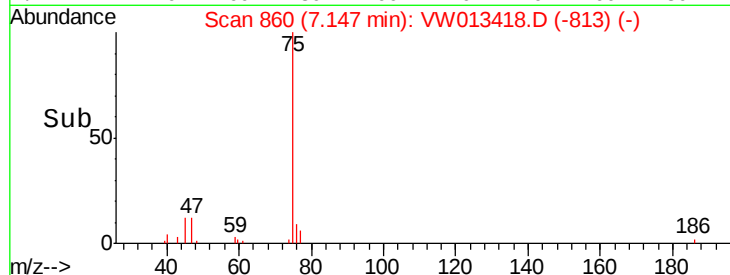
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 9.924 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.03 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

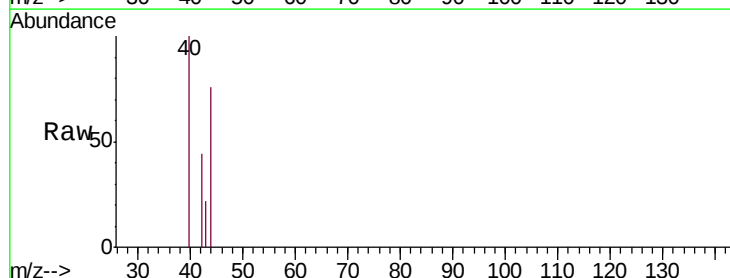
Tgt Ion: 42 Resp: 117

Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

71 0.0 31.9 47.9#



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

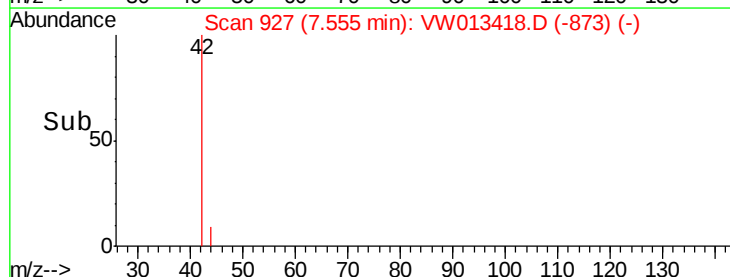
150

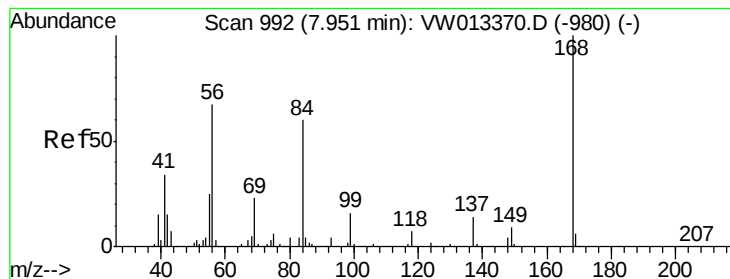
100

50

0

Time-->





#31

Cyclohexane

Concen: 4.467 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013418.D

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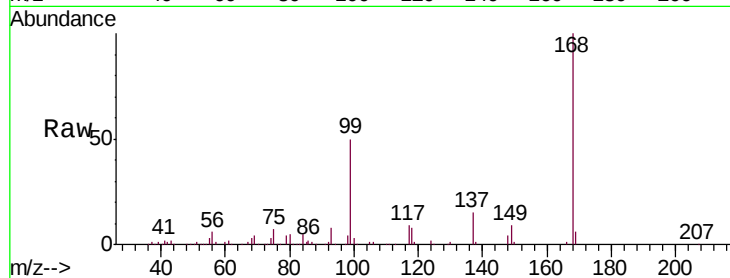
Tgt Ion: 56 Resp: 21856

Ion Ratio Lower Upper

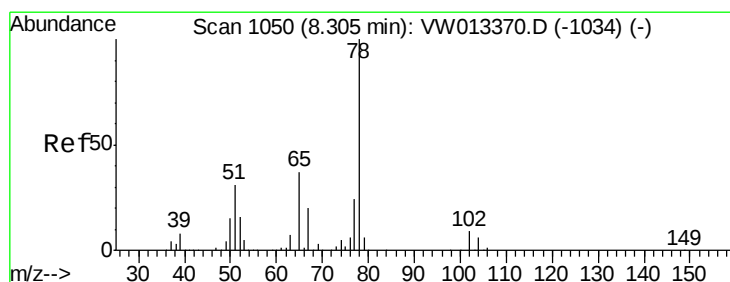
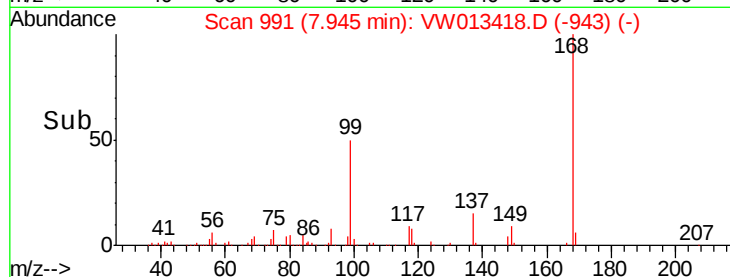
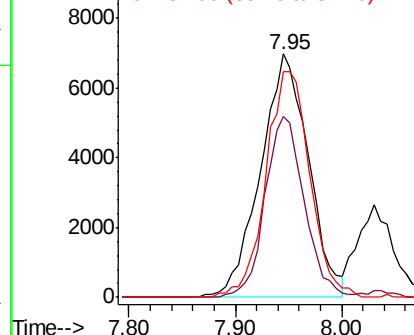
56 100

69 74.5 27.2 40.8#

84 92.7 70.8 106.2



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: 58.615 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013418.D

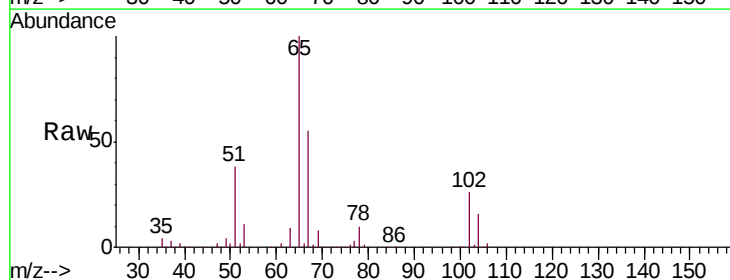
Acq: 03 Oct 2019 14:01

Tgt Ion: 65 Resp: 125345

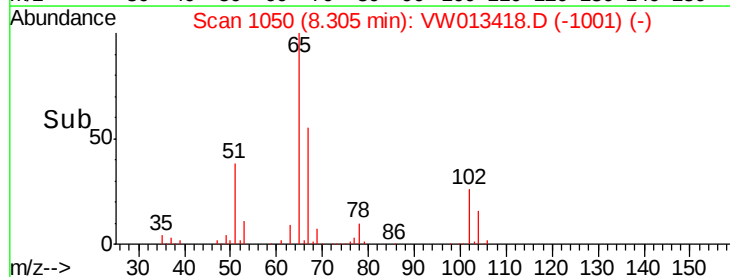
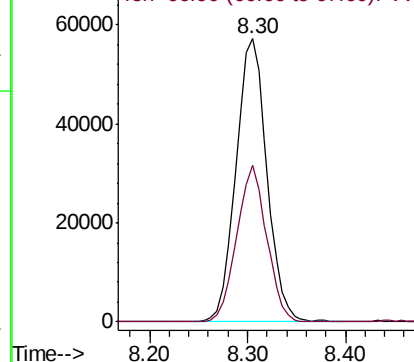
Ion Ratio Lower Upper

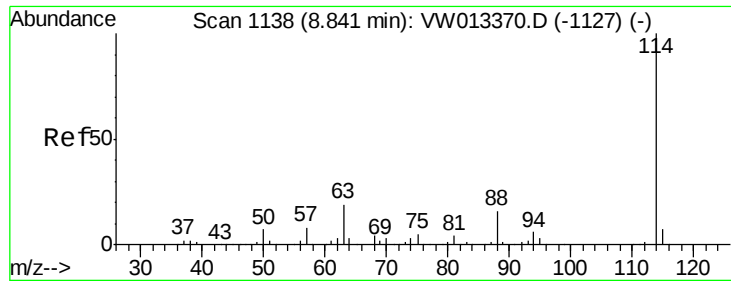
65 100

67 53.7 0.0 106.2



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

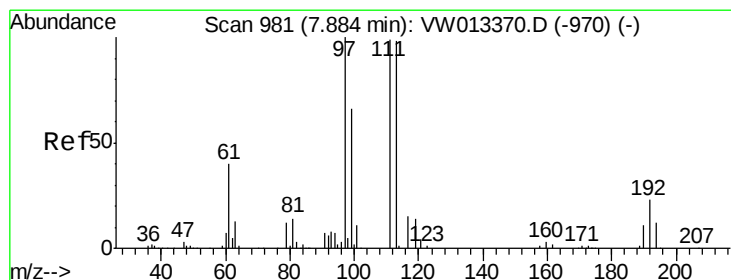
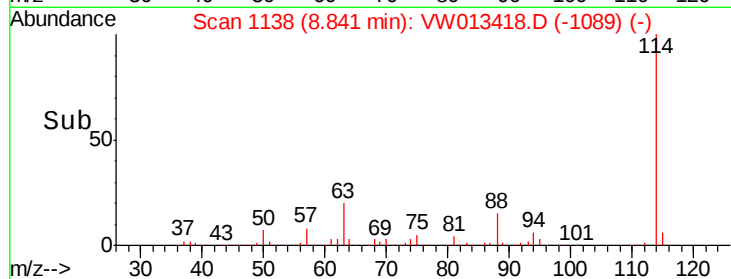
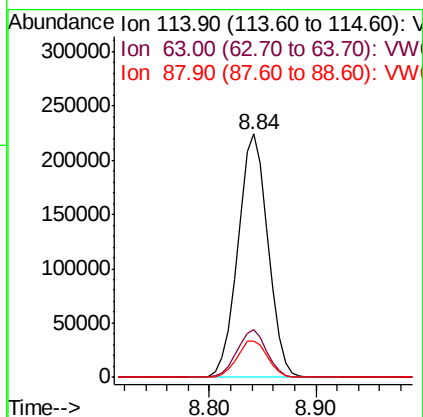
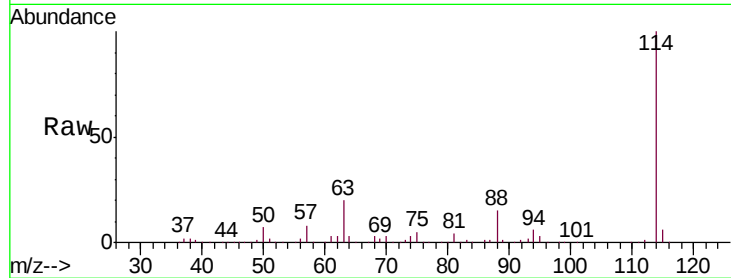




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. 0.00 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

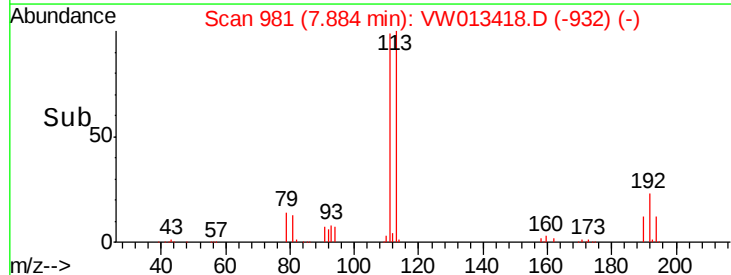
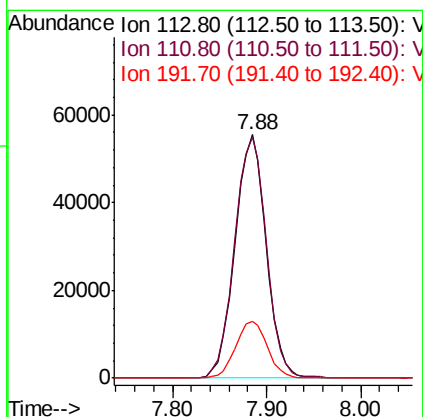
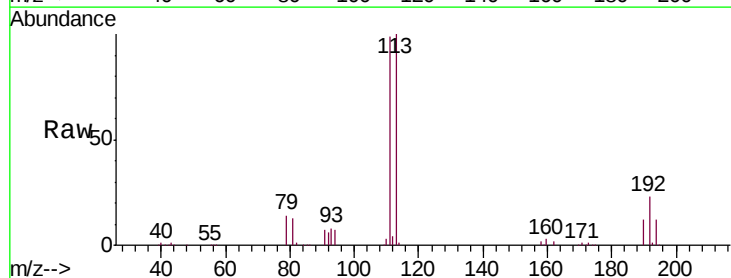
Instrument :  
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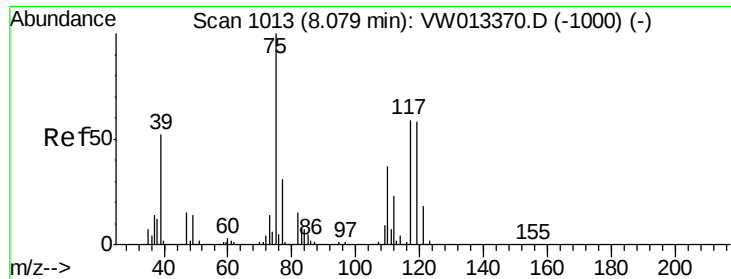
Tgt Ion:114 Resp: 443459  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 41.4  
88 14.6 0.0 32.0



#35  
Dibromofluoromethane  
Concen: 55.050 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. 0.00 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

Tgt Ion:113 Resp: 128097  
Ion Ratio Lower Upper  
113 100  
111 101.3 81.9 122.9  
192 23.6 19.1 28.7

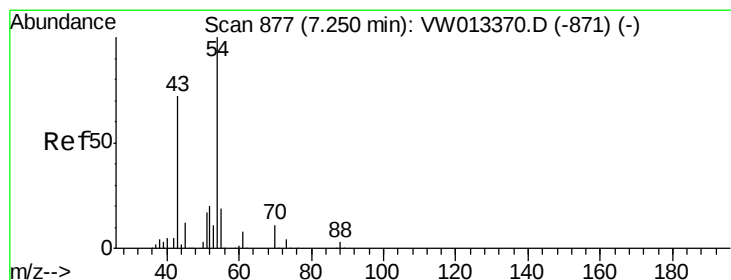
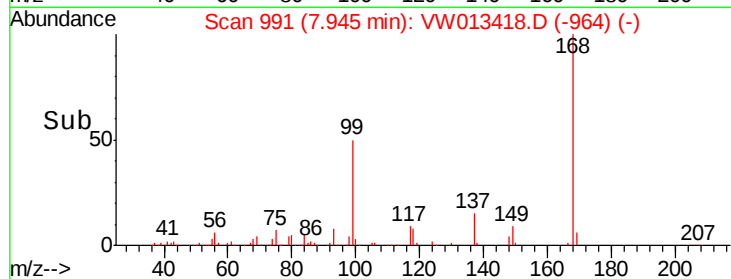
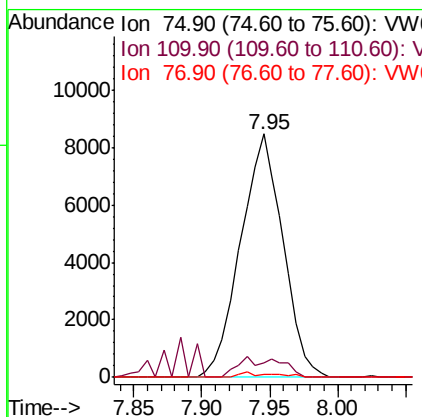
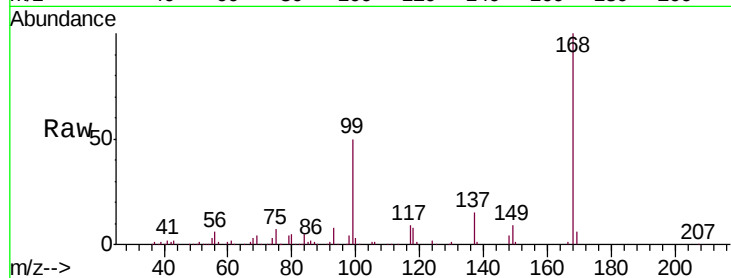




#36  
 1,1-Dichloropropene  
 Concen: 4.466 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.13 min  
 Lab File: VW013418.D  
 Acq: 03 Oct 2019 14:01

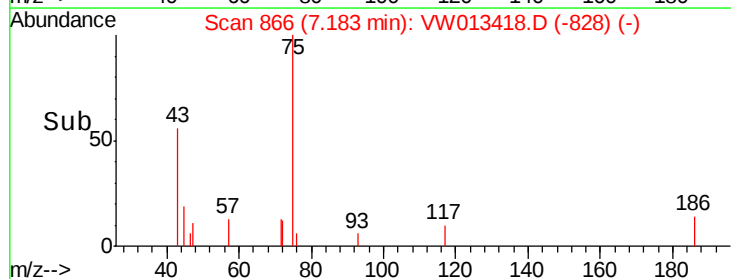
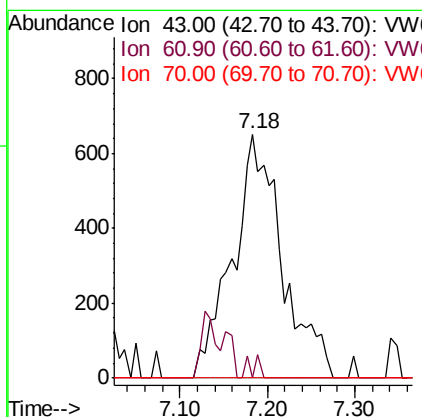
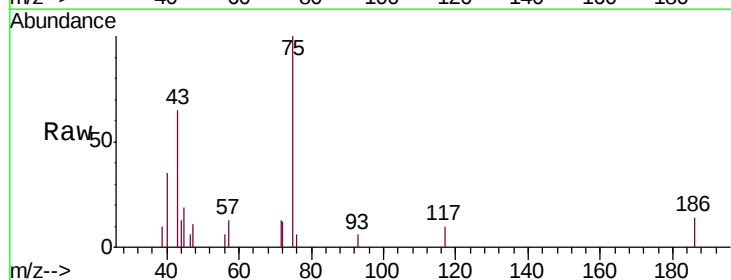
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 30459-61

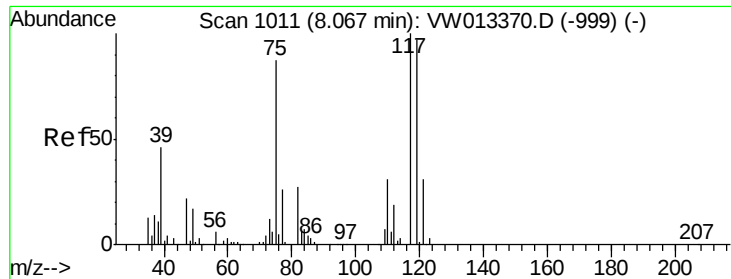
Tgt Ion: 75 Resp: 18394  
 Ion Ratio Lower Upper  
 75 100  
 110 3.6 18.1 54.3#  
 77 0.0 25.8 38.6#



#37  
 Ethyl Acetate  
 Concen: 1.562 ug/l  
 RT: 7.18 min Scan# 866  
 Delta R.T. -0.07 min  
 Lab File: VW013418.D  
 Acq: 03 Oct 2019 14:01

Tgt Ion: 43 Resp: 2574  
 Ion Ratio Lower Upper  
 43 100  
 61 1.7 10.9 16.3#  
 70 0.0 8.2 12.2#

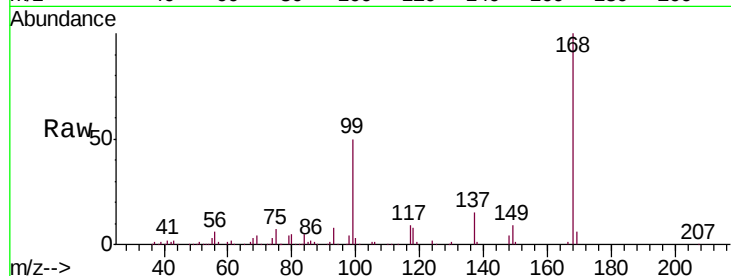




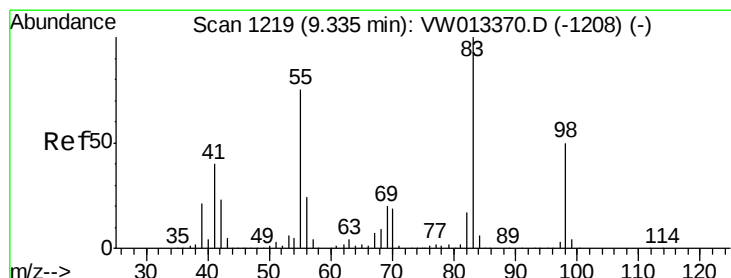
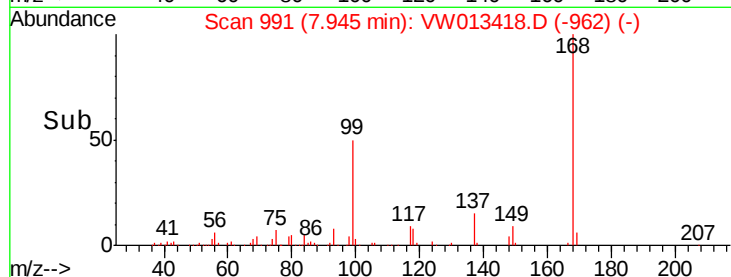
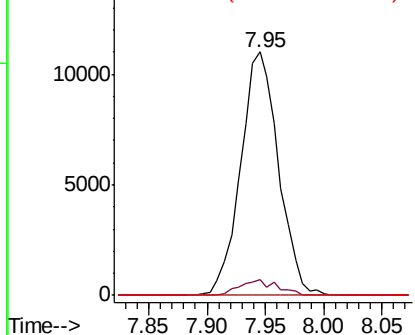
#38  
Carbon Tetrachloride  
Concen: 6.963 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.12 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

Instrument :  
MSVOA\_W  
ClientSampleId :  
30459-61

Tgt Ion:117 Resp: 24844  
Ion Ratio Lower Upper  
117 100  
119 6.5 73.5 110.3#  
121 0.0 25.0 37.6#

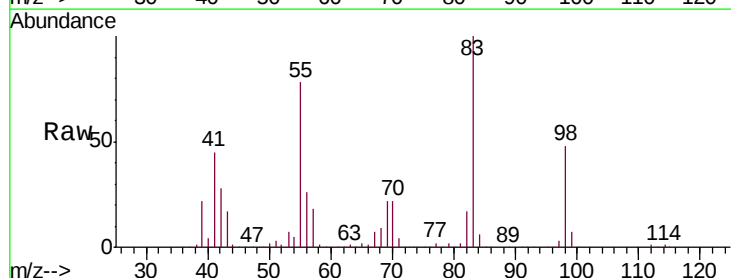


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

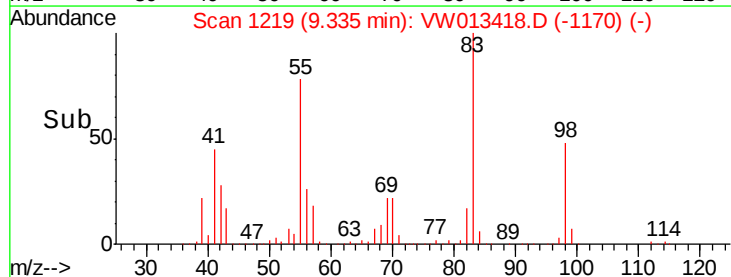
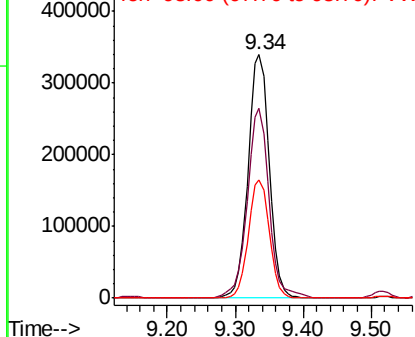


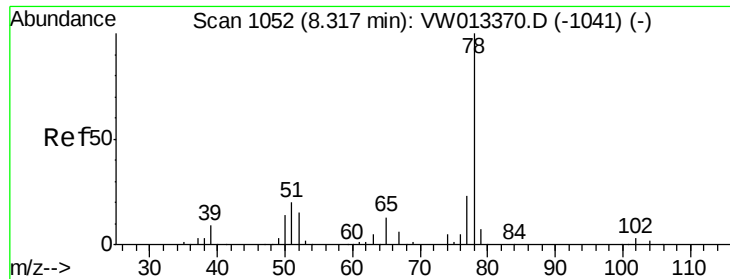
#39  
Methylcyclohexane  
Concen: 135.599 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

Tgt Ion: 83 Resp: 735554  
Ion Ratio Lower Upper  
83 100  
55 77.9 60.4 90.6  
98 48.4 40.0 60.0



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





#40

Benzene

Concen: 2.347 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA\_W

ClientSampled :

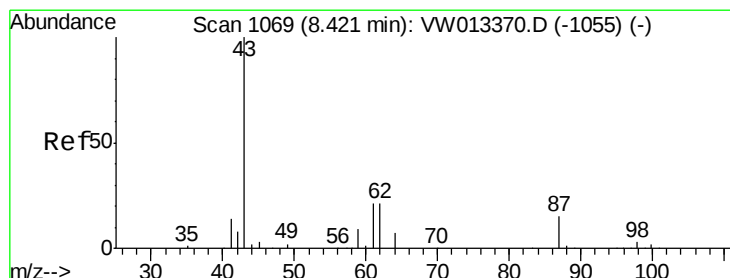
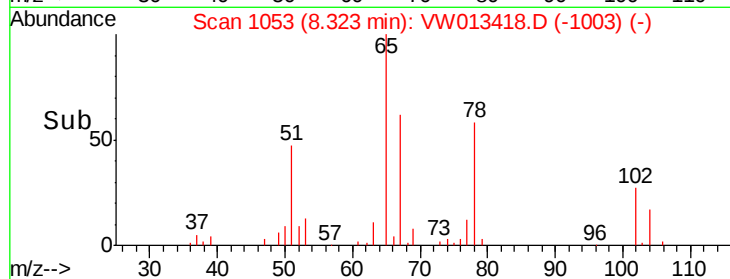
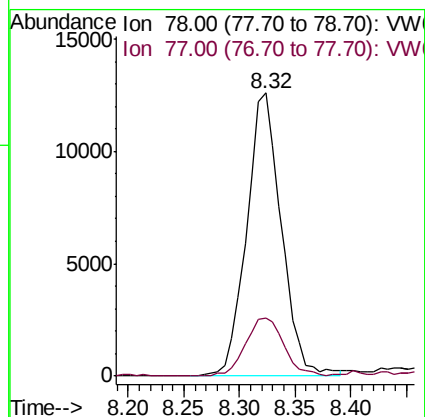
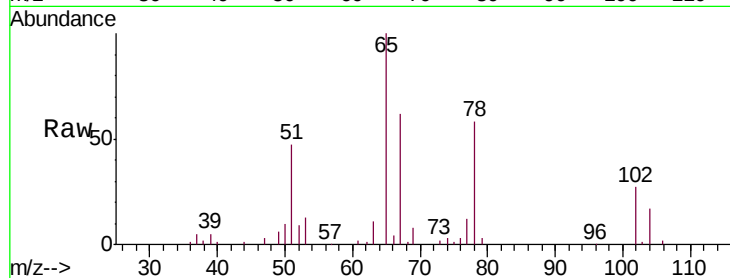
30459-61

Tgt Ion: 78 Resp: 27366

Ion Ratio Lower Upper

78 100

77 20.3 19.1 28.7



#43

Isopropyl Acetate

Concen: 1.361 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

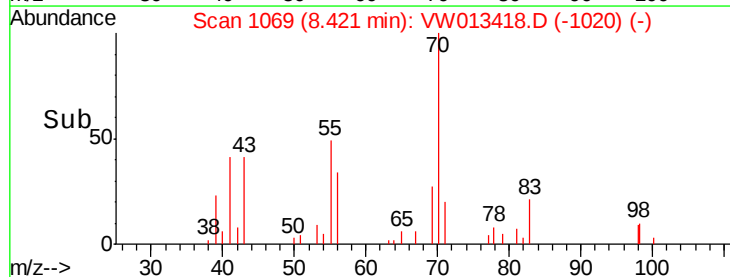
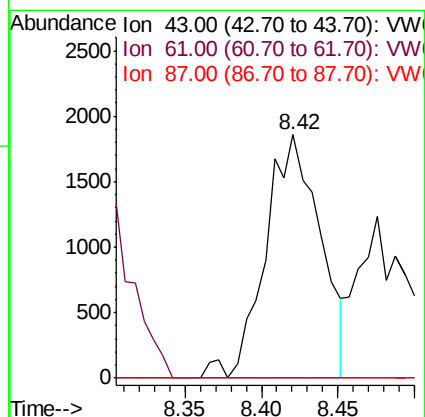
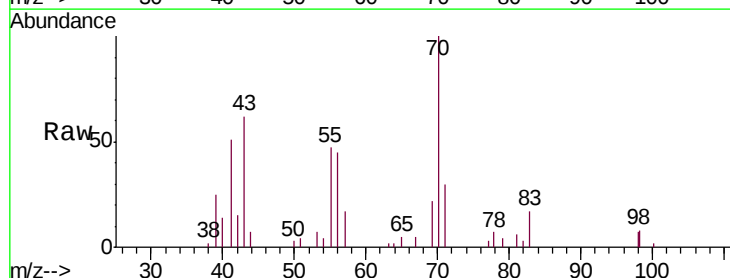
Tgt Ion: 43 Resp: 4658

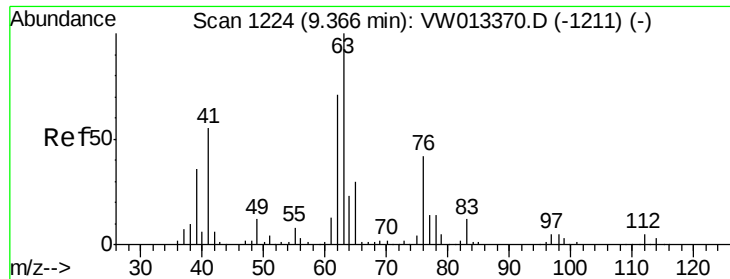
Ion Ratio Lower Upper

43 100

61 0.0 25.5 38.3#

87 0.0 11.0 16.4#

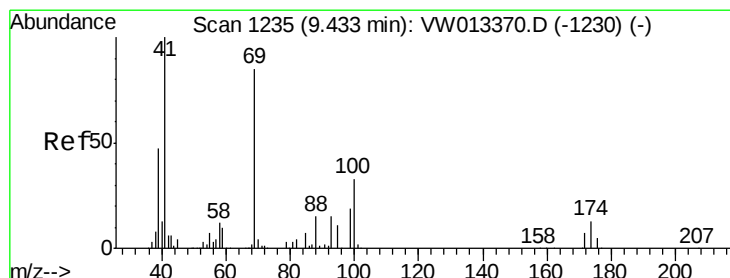
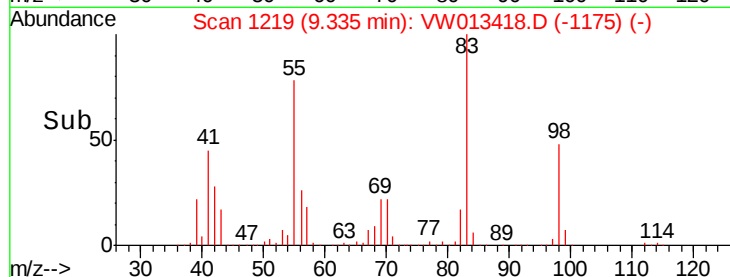
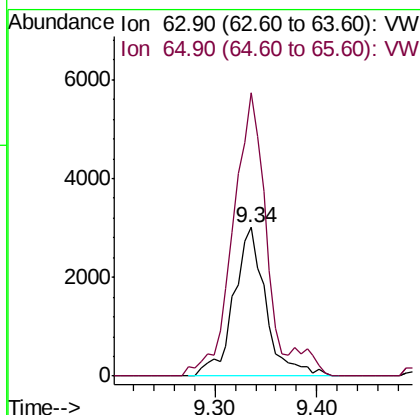
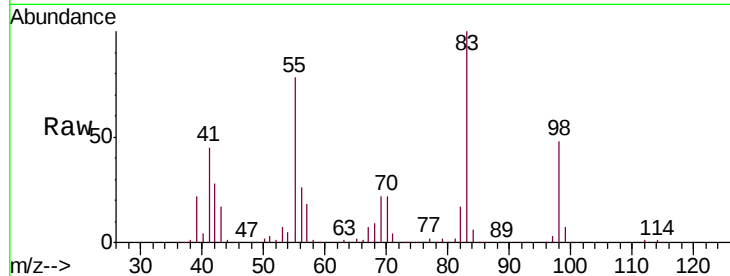




#45  
 1,2-Dichloropropane  
 Concen: 2.347 ug/l  
 RT: 9.34 min Scan# 1219  
 Delta R.T. -0.03 min  
 Lab File: VW013418.D  
 Acq: 03 Oct 2019 14:01

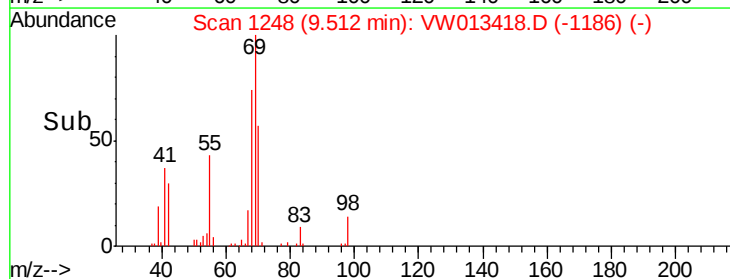
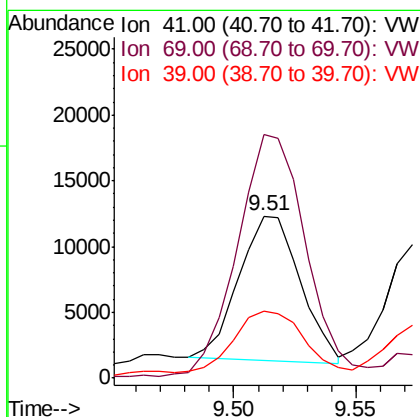
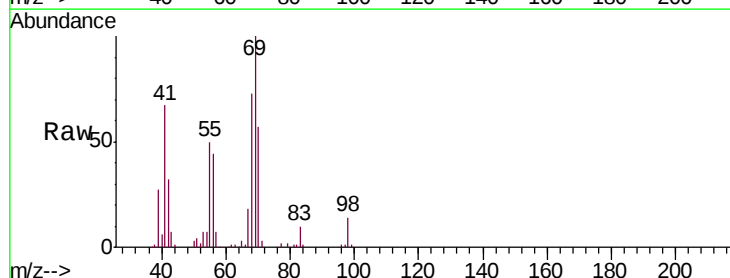
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 MSVOA\_W  
 ClientSampleId :  
 30459-61

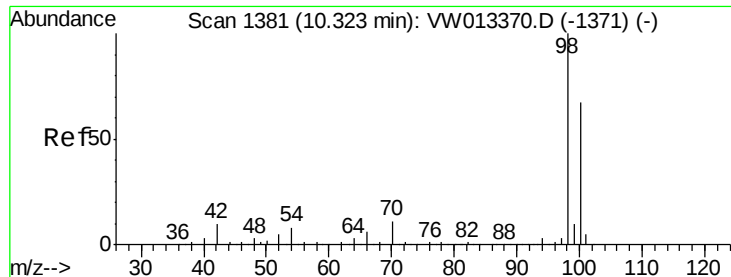
Tgt Ion: 63 Resp: 6569  
 Ion Ratio Lower Upper  
 63 100  
 65 190.6 25.3 37.9#



#48  
 Methyl methacrylate  
 Concen: 11.625 ug/l  
 RT: 9.51 min Scan# 1248  
 Delta R.T. 0.08 min  
 Lab File: VW013418.D  
 Acq: 03 Oct 2019 14:01

Tgt Ion: 41 Resp: 19110  
 Ion Ratio Lower Upper  
 41 100  
 69 191.0 69.7 104.5#  
 39 53.6 41.1 61.7

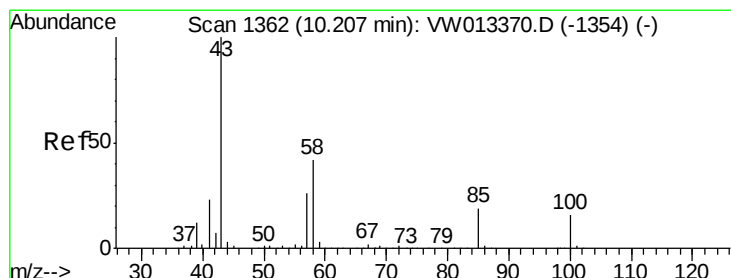
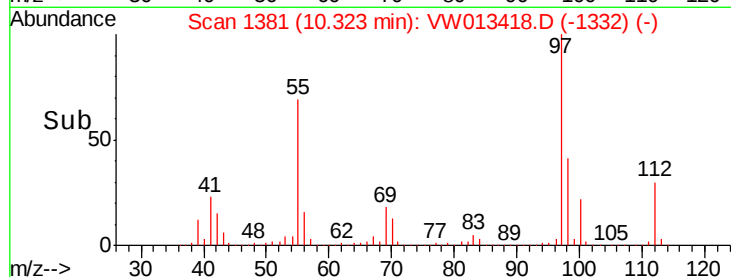
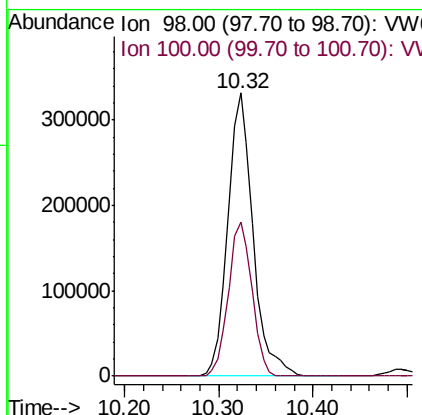
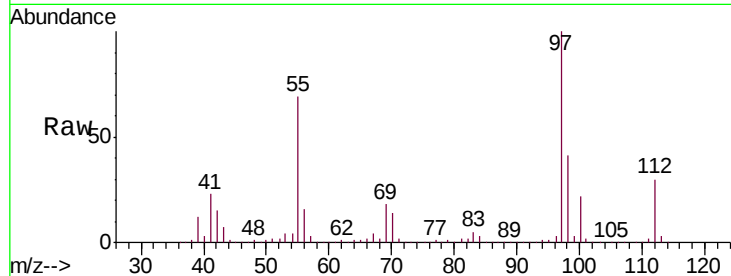




#50  
Toluene-d8  
Concen: 63.823 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

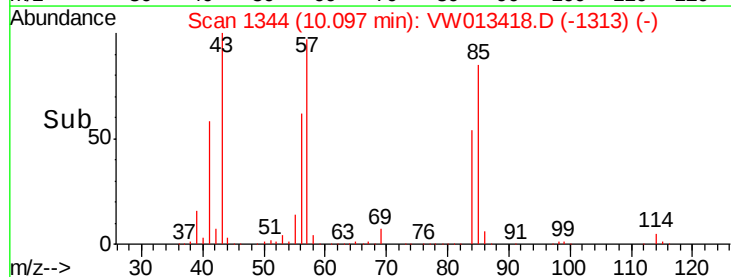
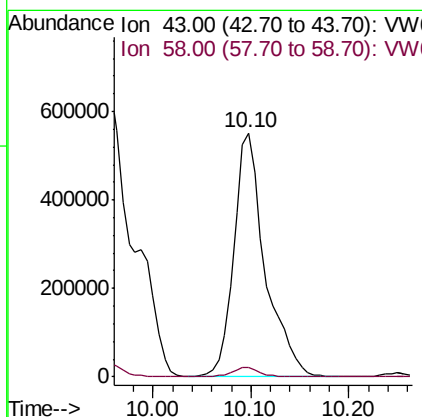
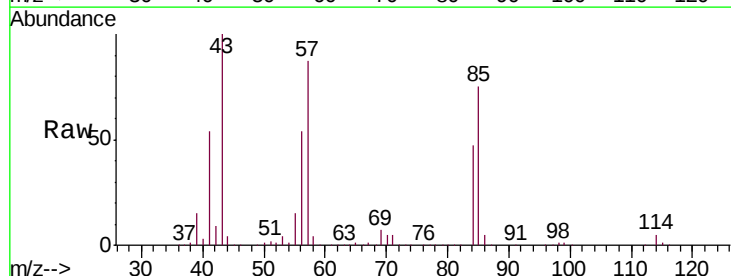
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MSVOA\_W  
ClientSampleId :  
30459-61

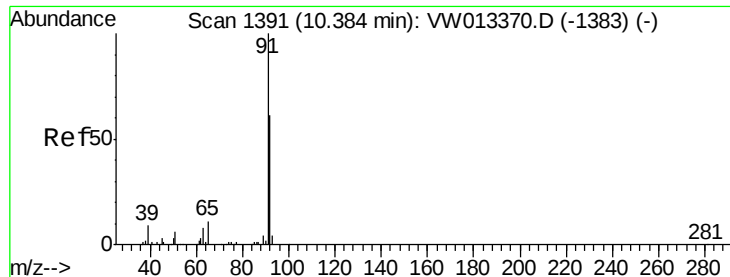
Tgt Ion: 98 Resp: 616298  
Ion Ratio Lower Upper  
98 100  
100 50.9 52.9 79.3#



#51  
4-Methyl-2-Pentanone  
Concen: 678.157 ug/l  
RT: 10.10 min Scan# 1344  
Delta R.T. -0.11 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

Tgt Ion: 43 Resp: 1219028  
Ion Ratio Lower Upper  
43 100  
58 3.4 31.7 47.5#





#52

Toluene

Concen: 236.684 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA\_W

ClientSampleId :

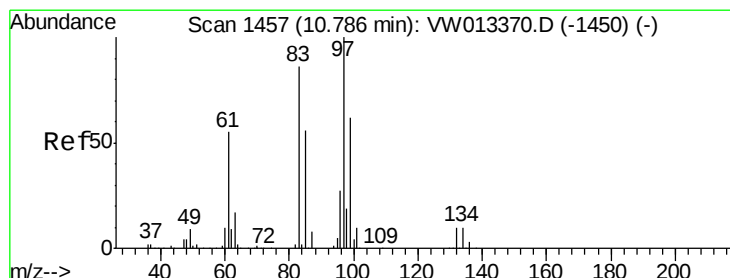
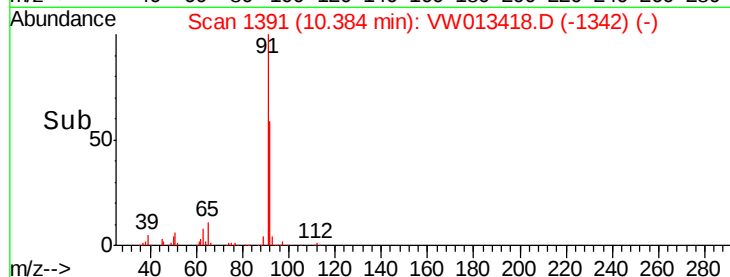
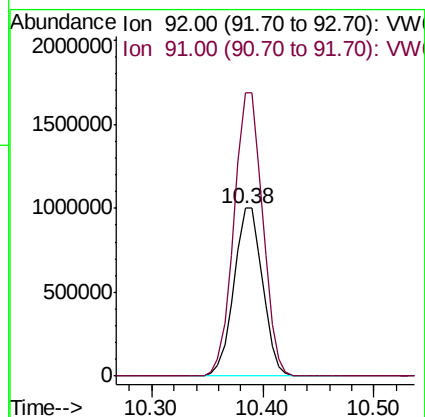
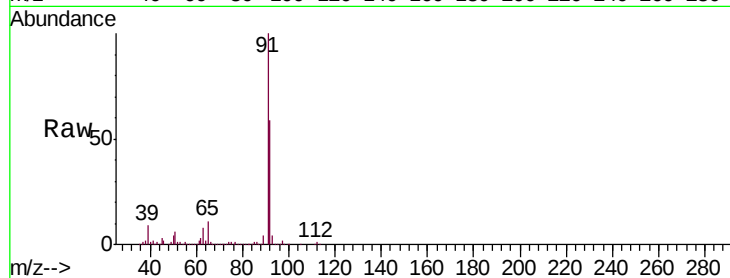
30459-61

Tgt Ion: 92 Resp: 1779984

Ion Ratio Lower Upper

92 100

91 169.5 135.7 203.5



#55

1,1,2-Trichloroethane

Concen: 405.731 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

Tgt Ion: 97 Resp: 843963

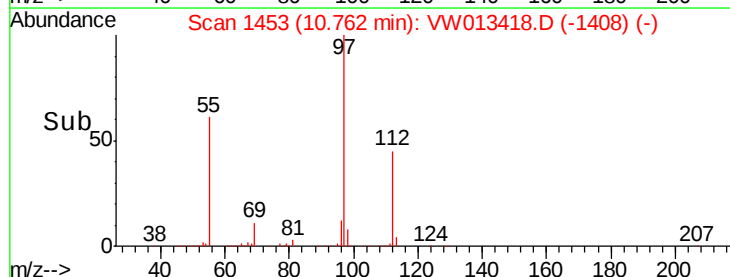
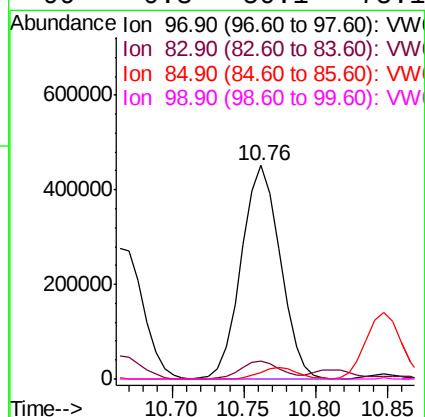
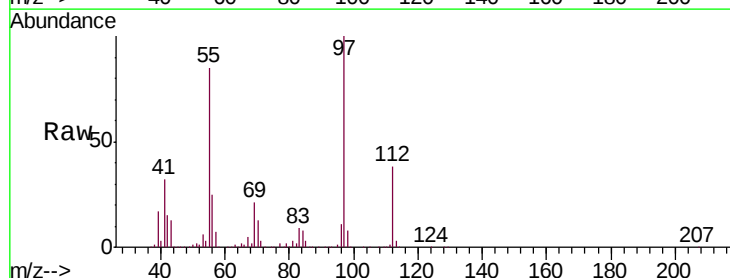
Ion Ratio Lower Upper

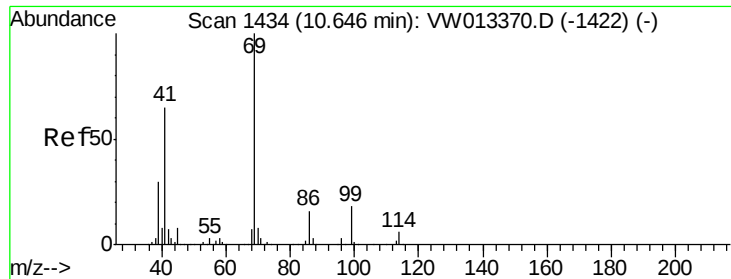
97 100

83 8.6 67.6 101.4#

85 3.1 41.9 62.9#

99 0.3 50.1 75.1#

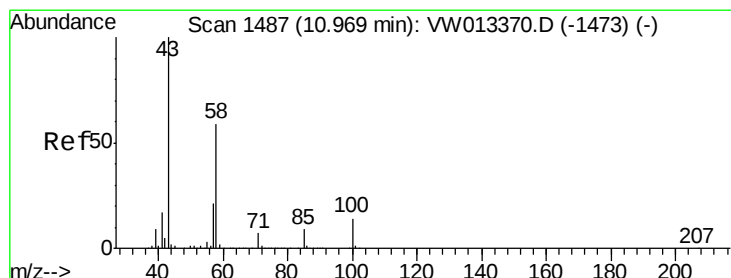
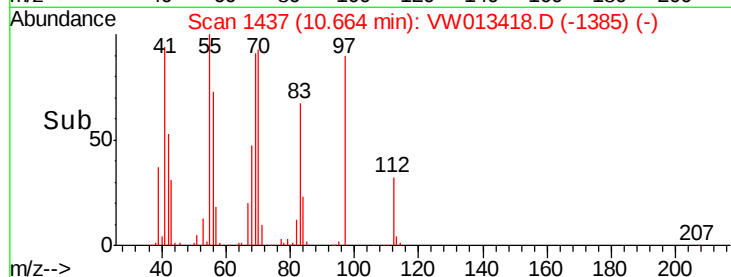
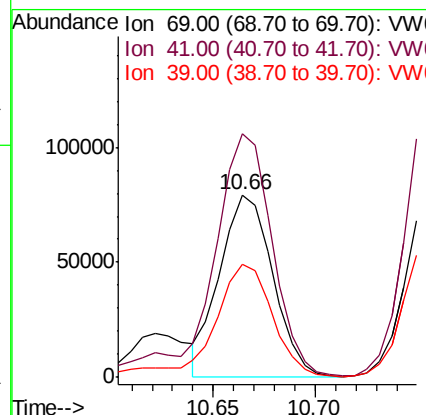
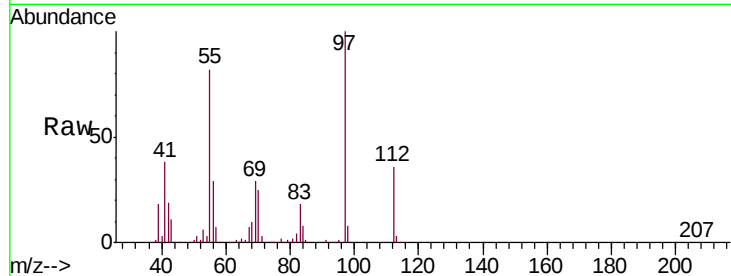




#56  
Ethyl methacrylate  
Concen: 50.945 ug/l  
RT: 10.66 min Scan# 1437  
Delta R.T. 0.02 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

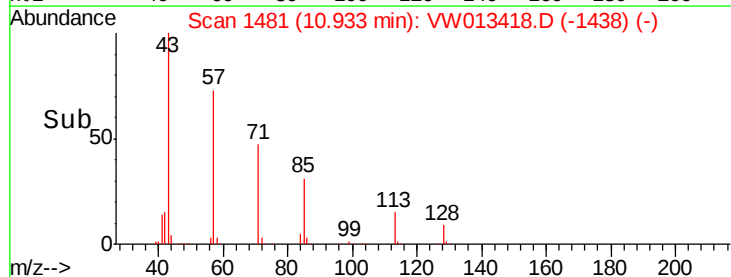
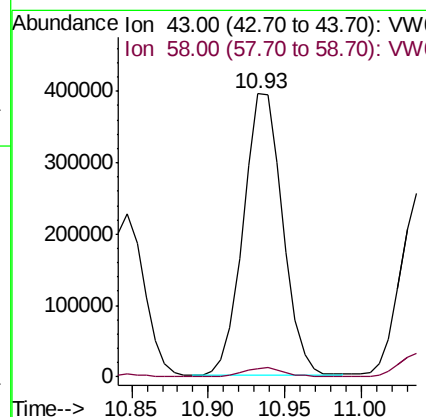
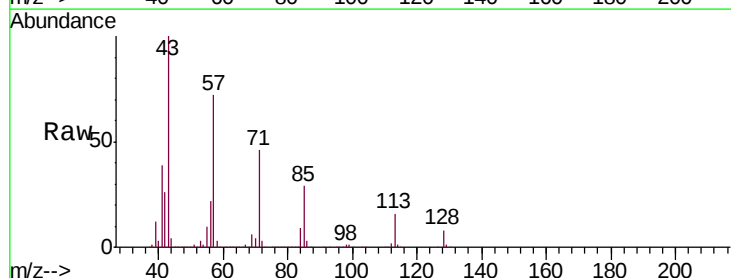
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MSVOA\_W  
ClientSampleId :  
30459-61

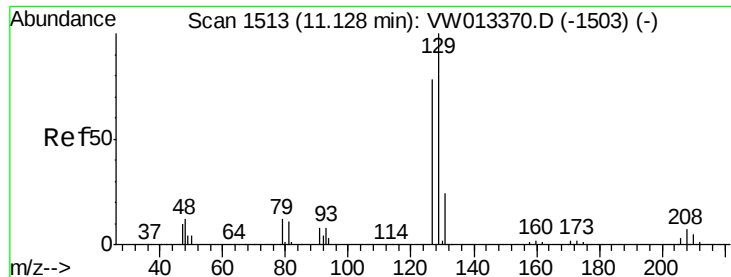
Tgt Ion: 69 Resp: 142636  
Ion Ratio Lower Upper  
69 100  
41 153.8 53.9 80.9#  
39 70.2 23.8 35.6#



#59  
2-Hexanone  
Concen: 569.363 ug/l  
RT: 10.93 min Scan# 1481  
Delta R.T. -0.04 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

Tgt Ion: 43 Resp: 709392  
Ion Ratio Lower Upper  
43 100  
58 3.5 28.1 84.2#





#60

Dibromochloromethane

Concen: 1.549 ug/l

RT: 11.04 min Scan# 1499

Delta R.T. -0.09 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA\_W

ClientSampleId :

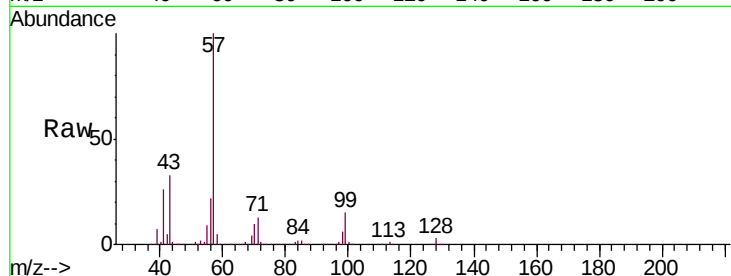
30459-61

Tgt Ion:129 Resp: 3685

Ion Ratio Lower Upper

129 100

127 25.0 38.8 116.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10000

8000

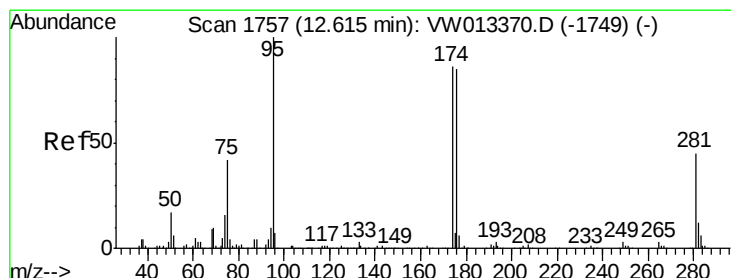
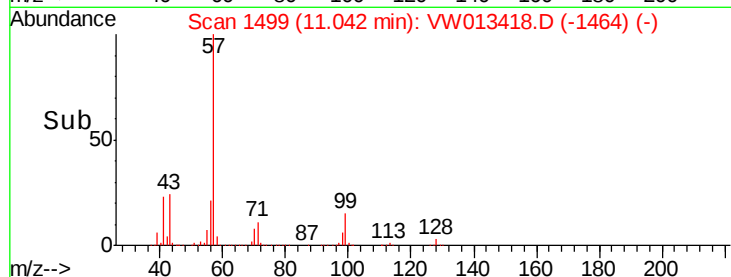
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 90.130 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

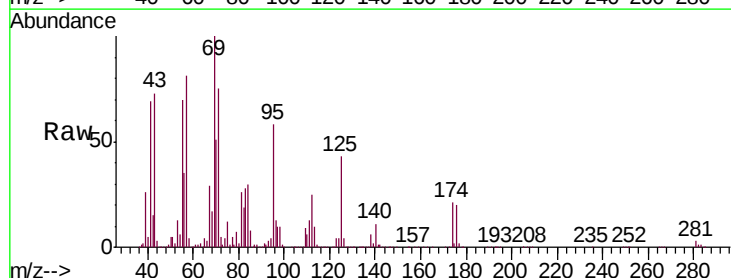
Tgt Ion: 95 Resp: 290635

Ion Ratio Lower Upper

95 100

174 34.0 0.0 178.4

176 33.1 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

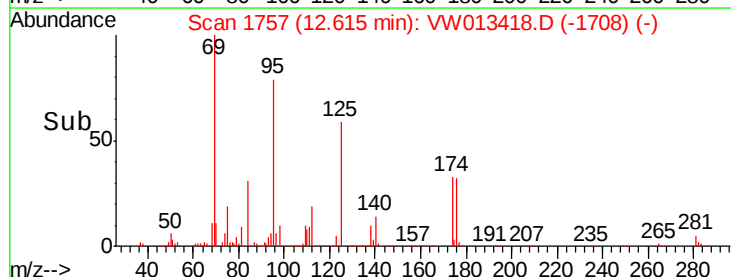
150000

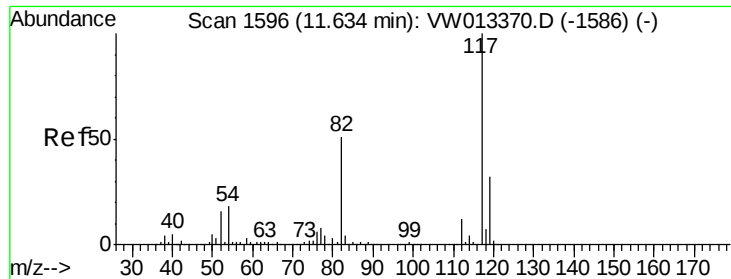
100000

50000

0

Time-->

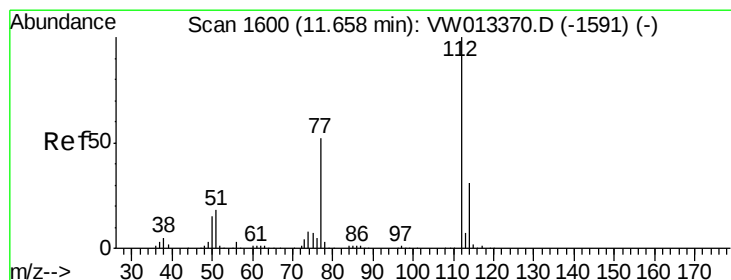
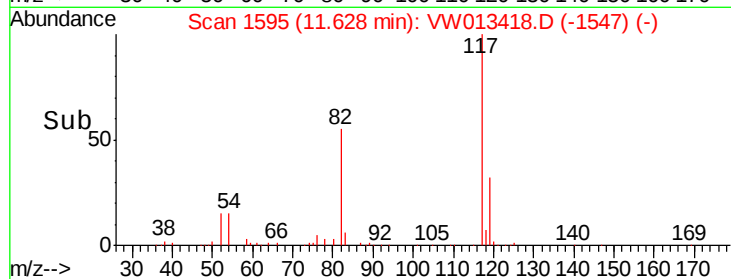
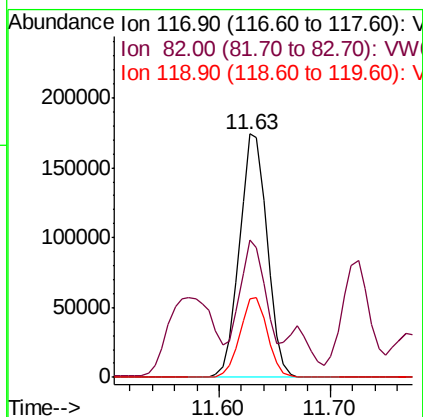
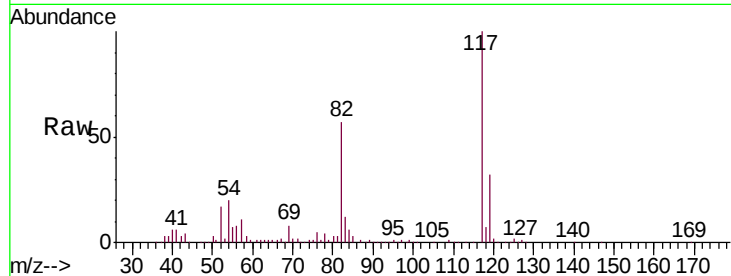




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

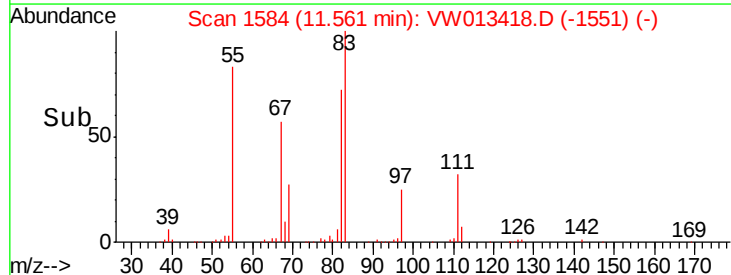
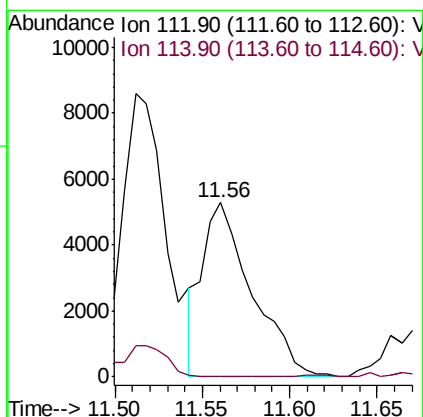
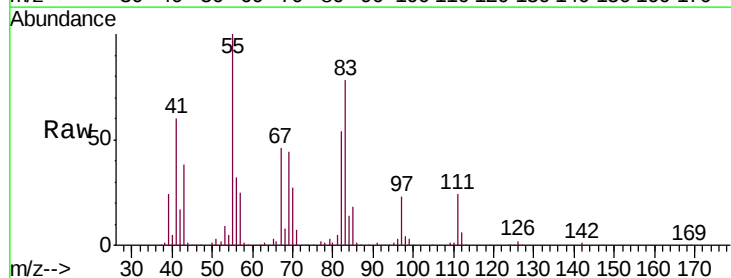
Instrument :  
MSVOA\_W  
ClientSampleId :  
30459-61

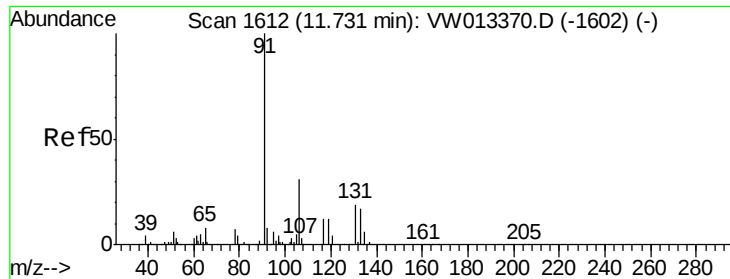
Tgt Ion:117 Resp: 300360  
Ion Ratio Lower Upper  
117 100  
82 38.1 45.9 68.9#  
119 32.1 26.2 39.2



#65  
Chlorobenzene  
Concen: 1.694 ug/l  
RT: 11.56 min Scan# 1584  
Delta R.T. -0.10 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

Tgt Ion:112 Resp: 10427  
Ion Ratio Lower Upper  
112 100  
114 0.0 26.5 39.7#





#67

Ethyl Benzene

Concen: 329.487 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA\_W

ClientSampleId :

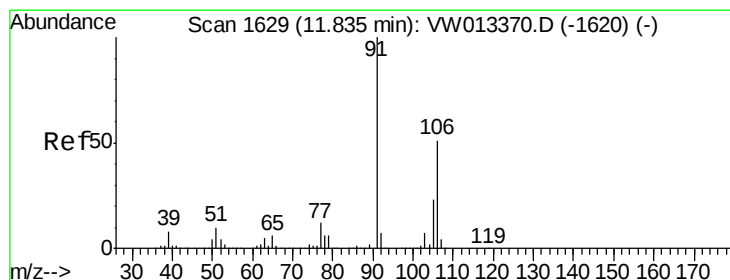
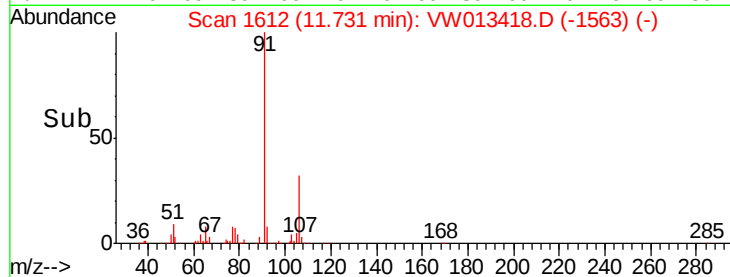
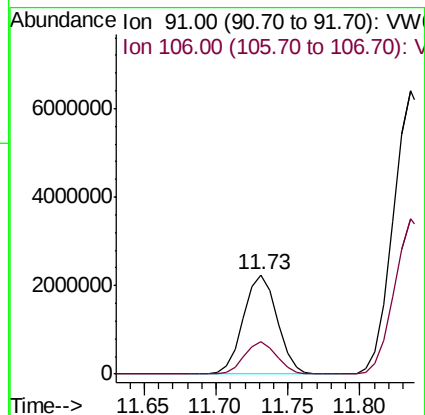
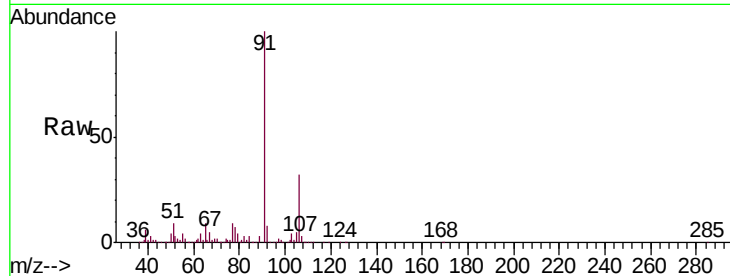
30459-61

Tgt Ion: 91 Resp: 3633751

Ion Ratio Lower Upper

91 100

106 32.3 24.9 37.3



#68

m/p-Xylenes

Concen: 1491.990 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW013418.D

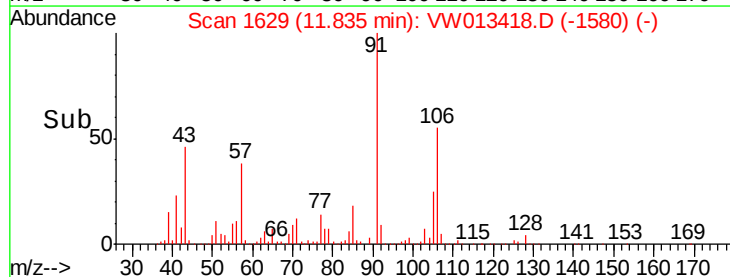
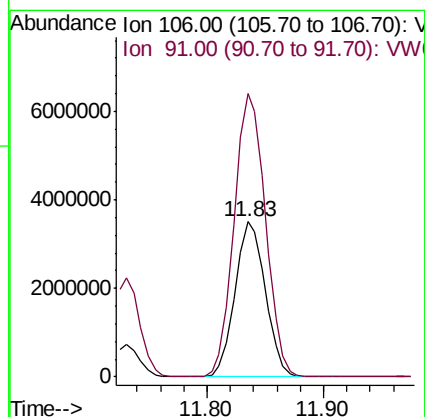
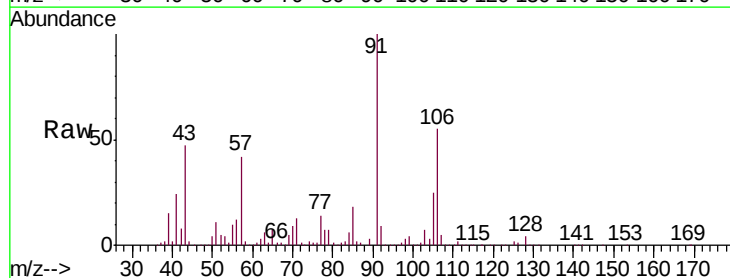
Acq: 03 Oct 2019 14:01

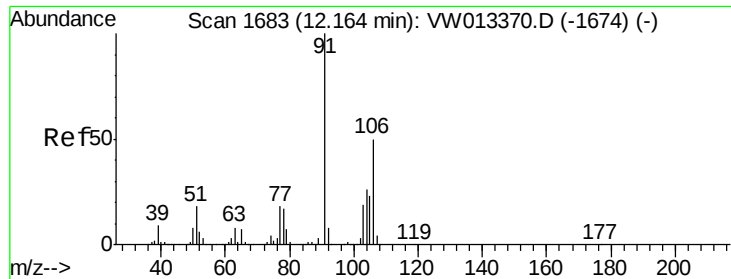
Tgt Ion: 106 Resp: 6351234

Ion Ratio Lower Upper

106 100

91 188.6 157.9 236.9

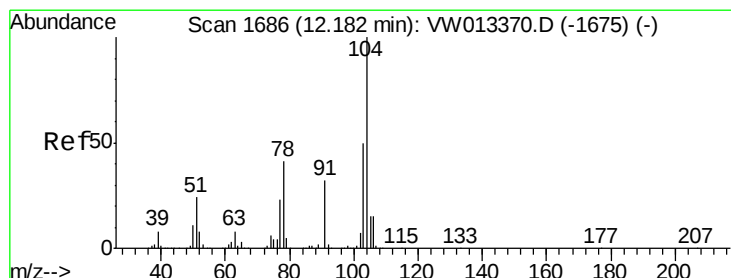
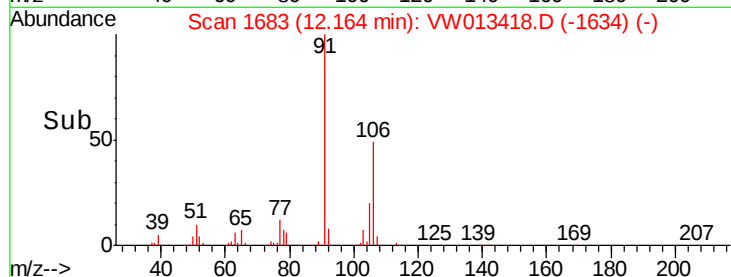
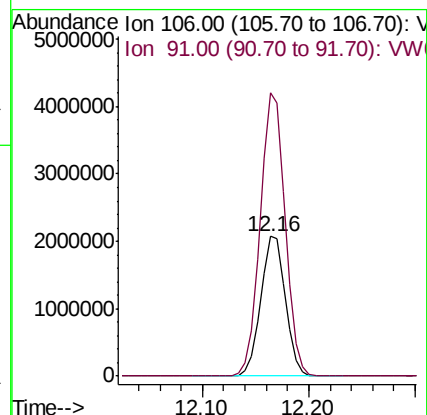
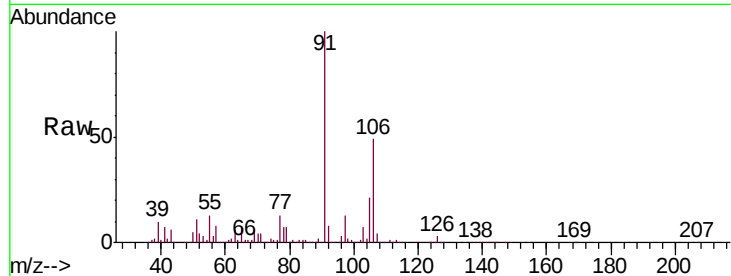




#69  
o-Xylene  
Concen: 857.487 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

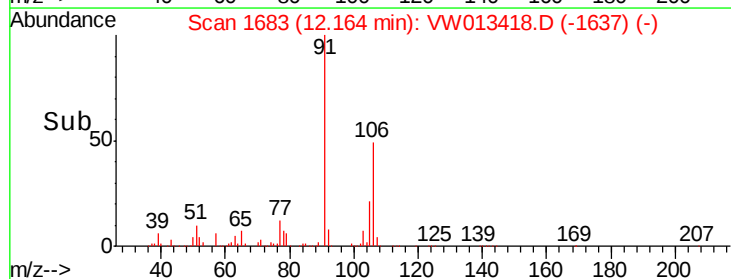
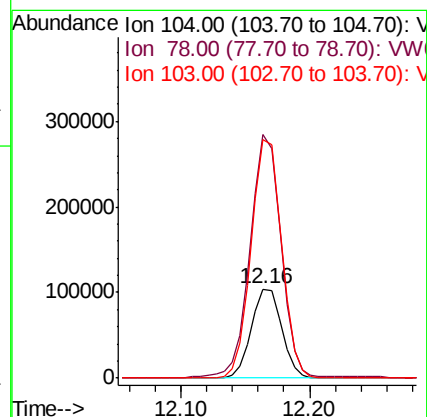
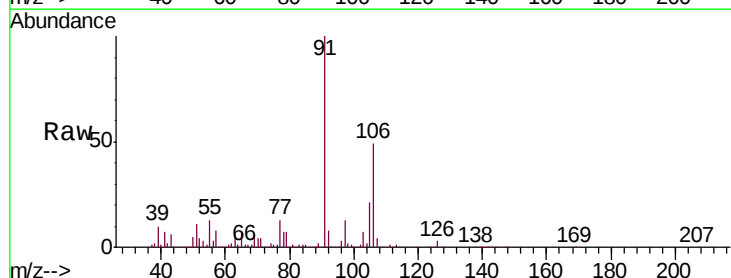
Instrument :  
MSVOA\_W  
ClientSampleId :  
30459-61

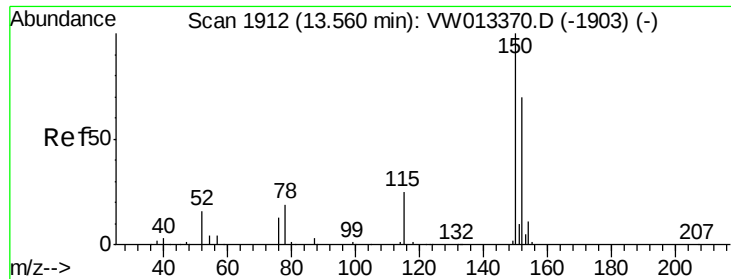
Tgt Ion:106 Resp: 3374937  
Ion Ratio Lower Upper  
106 100  
91 205.0 106.5 319.5



#70  
Styrene  
Concen: 25.208 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.02 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

Tgt Ion:104 Resp: 169602  
Ion Ratio Lower Upper  
104 100  
78 278.5 38.4 57.6#  
103 268.2 43.3 64.9#



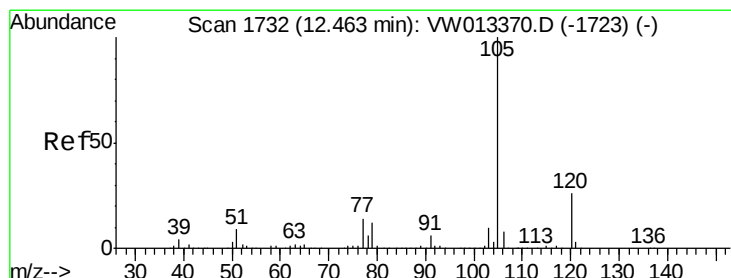
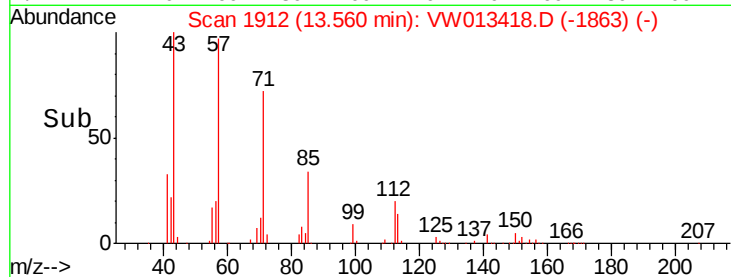
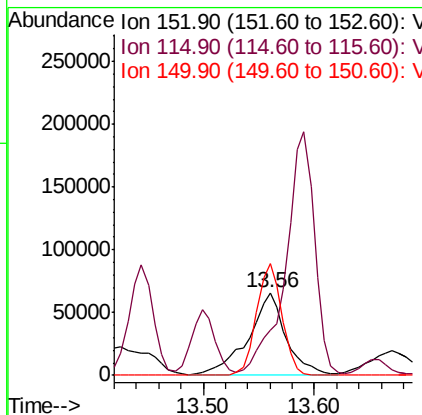
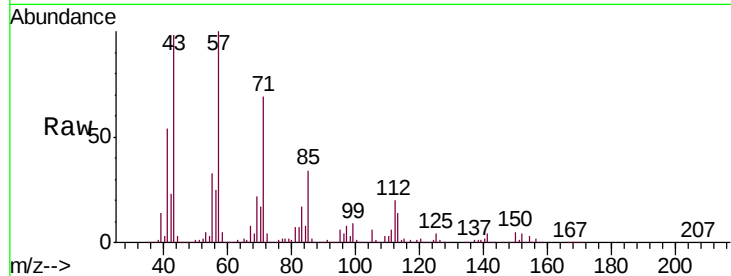


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

Instrument :  
MSVOA\_W  
ClientSampleId :  
30459-61

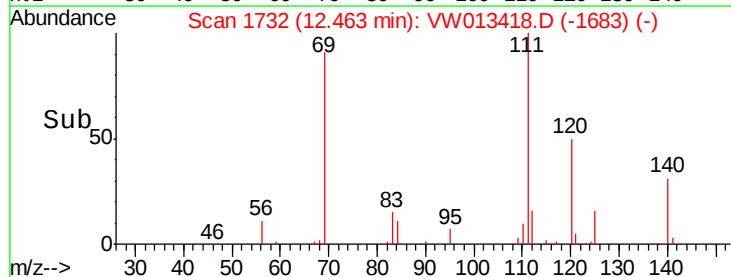
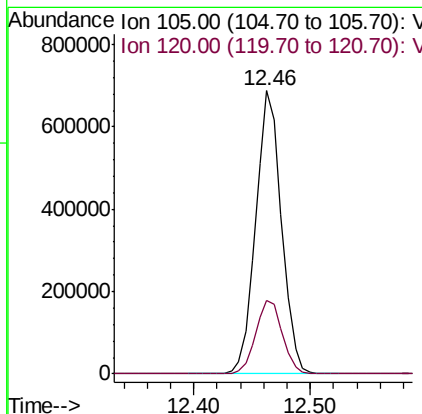
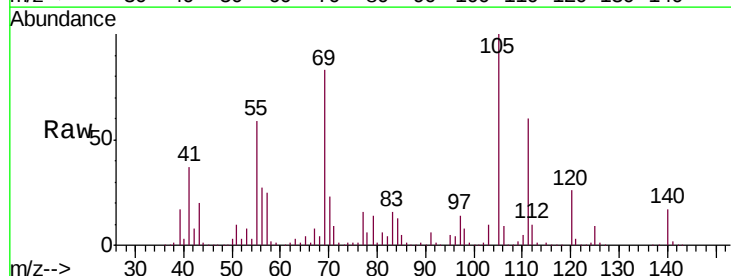
Tgt Ion:152 Resp: 150605  
Ion Ratio Lower Upper  
152 100  
115 0.0 27.3 81.9#  
150 94.2 0.0 349.0

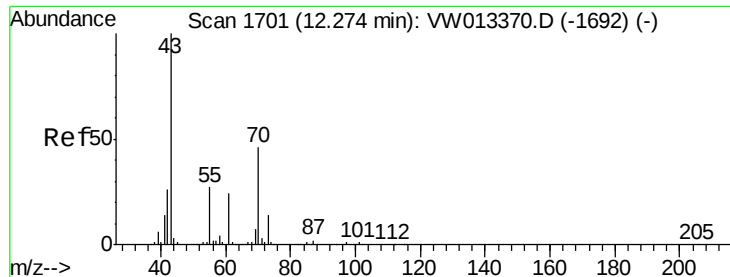


#73

Isopropylbenzene  
Concen: 95.630 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. 0.00 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

Tgt Ion:105 Resp: 1053495  
Ion Ratio Lower Upper  
105 100  
120 26.9 13.4 40.1





#74

N-amyI acetate

Concen: 675.825 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA\_W

ClientSampleId :

30459-61

Tgt Ion: 43 Resp: 1584479

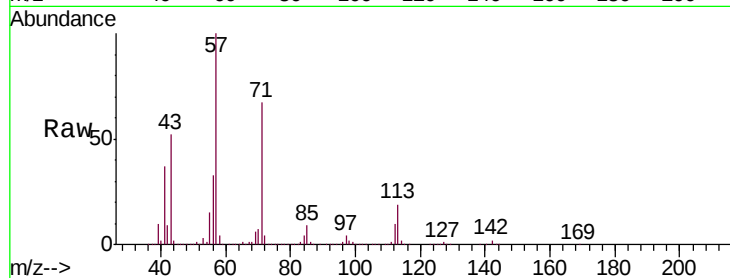
Ion Ratio Lower Upper

43 100

70 10.0 35.1 52.7#

55 0.0 19.9 29.9#

61 0.0 19.5 29.3#

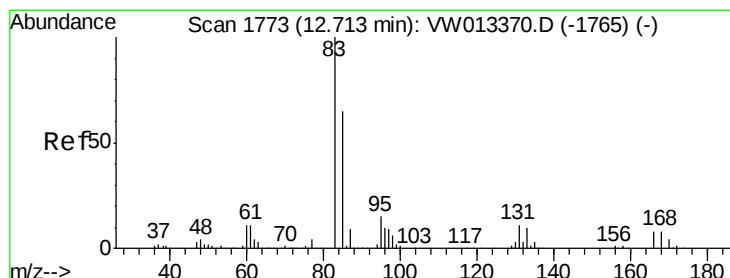
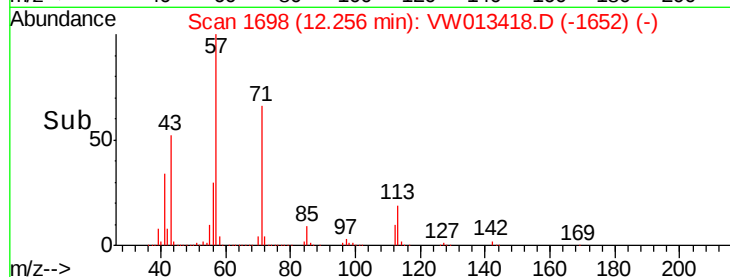
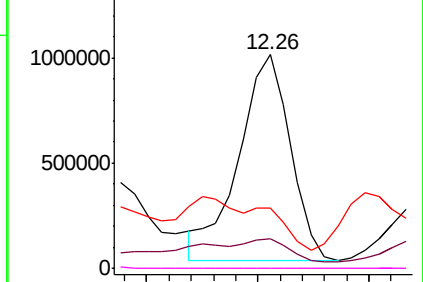


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.515 ug/l

RT: 12.66 min Scan# 1764

Delta R.T. -0.05 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

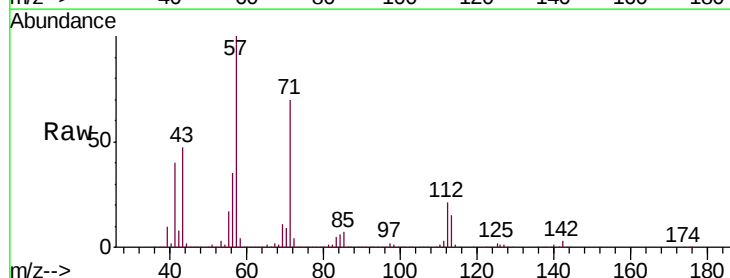
Tgt Ion: 83 Resp: 49440

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

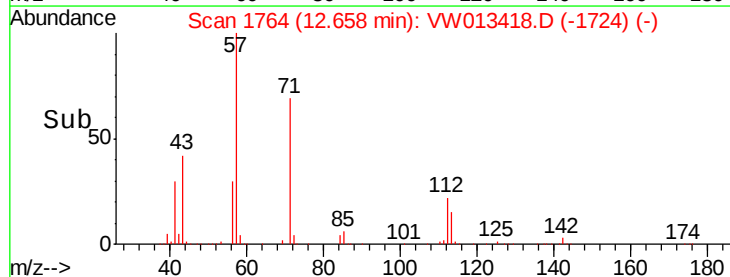
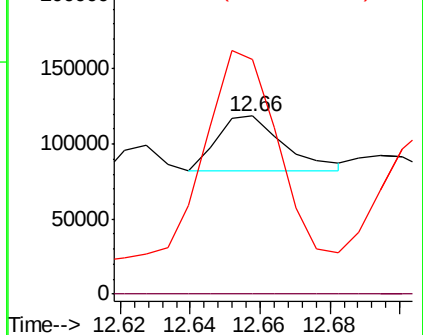
85 457.2 31.9 95.9#

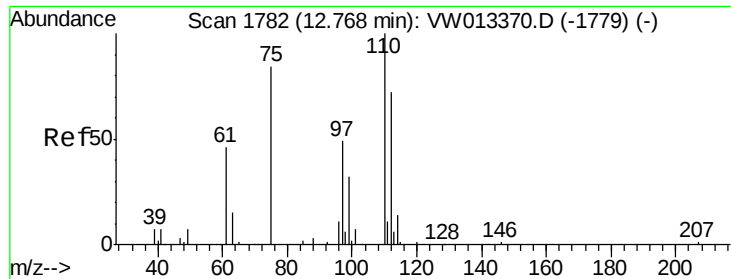


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 20.345 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.04 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA\_W

ClientSampleId :

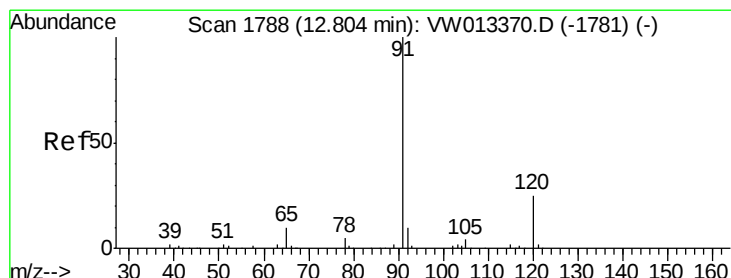
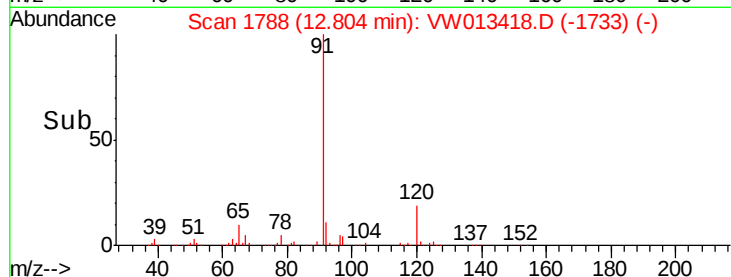
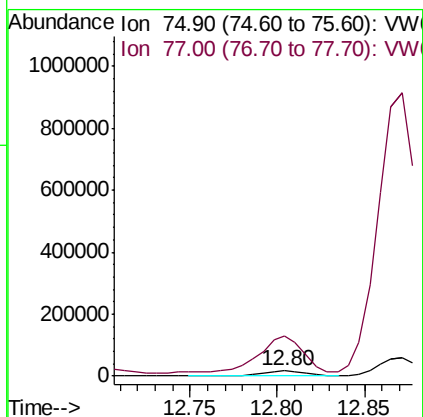
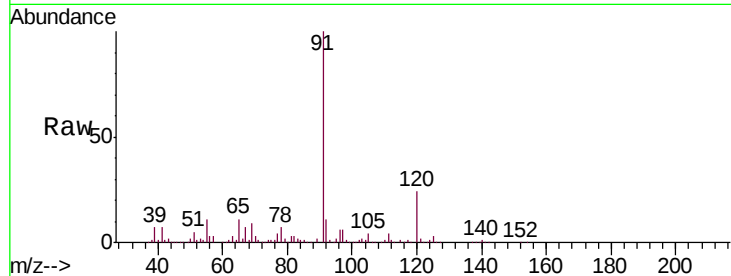
30459-61

Tgt Ion: 75 Resp: 27233

Ion Ratio Lower Upper

75 100

77 722.7 0.0 0.0#



#78

n-propylbenzene

Concen: 370.224 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013418.D

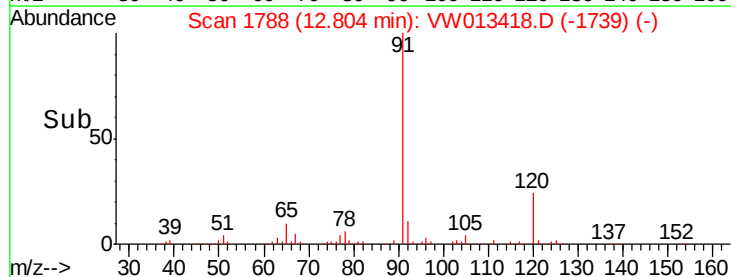
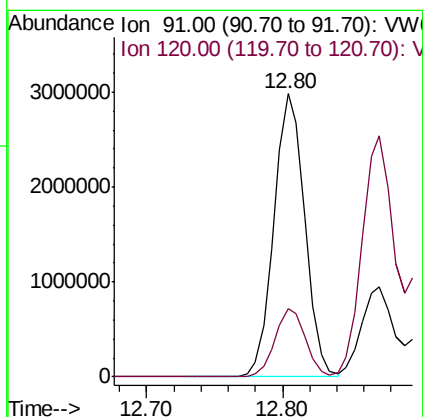
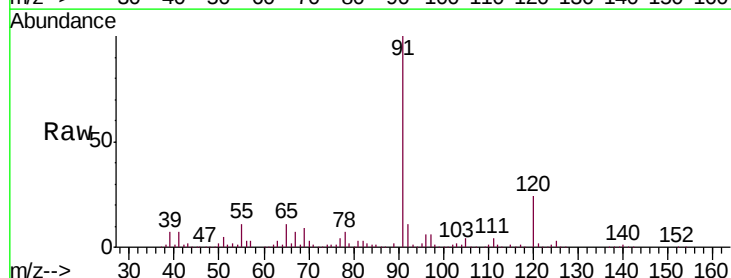
Acq: 03 Oct 2019 14:01

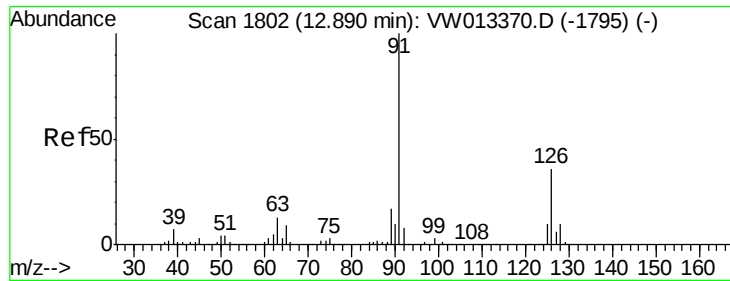
Tgt Ion: 91 Resp: 4691499

Ion Ratio Lower Upper

91 100

120 23.9 11.7 35.1

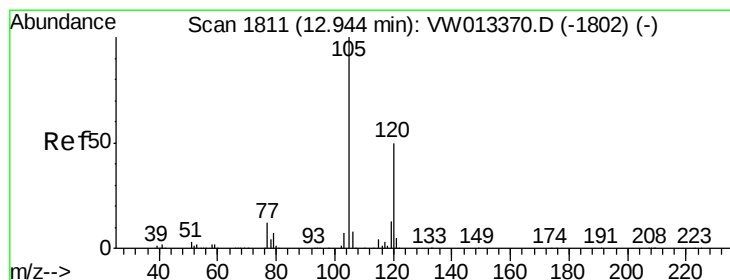
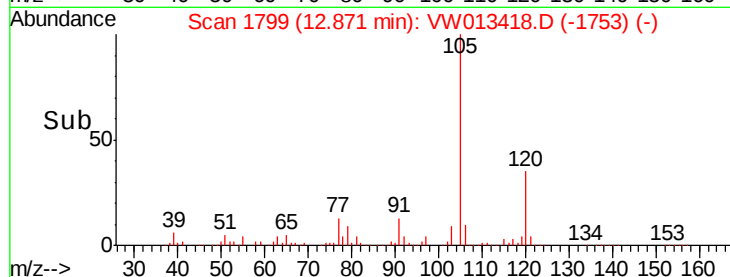
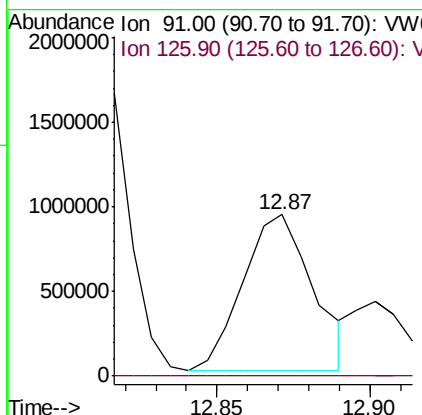
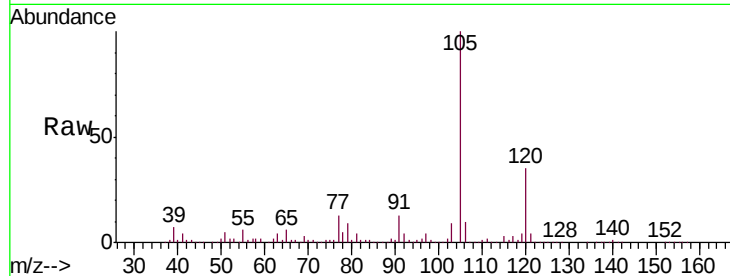




#79  
 2-Chlorotoluene  
 Concen: 208.146 ug/l  
 RT: 12.87 min Scan# 1799  
 Delta R.T. -0.02 min  
 Lab File: VW013418.D  
 Acq: 03 Oct 2019 14:01

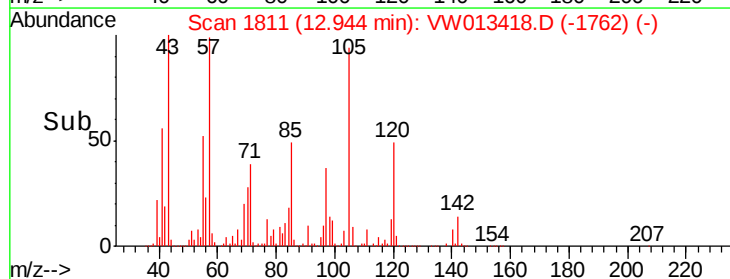
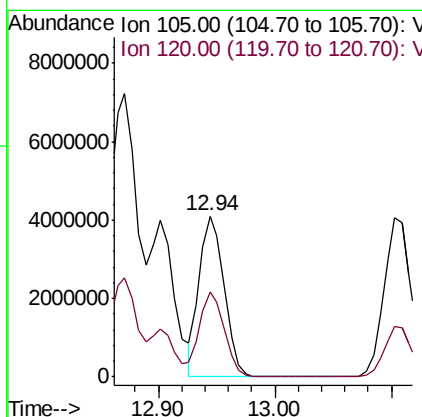
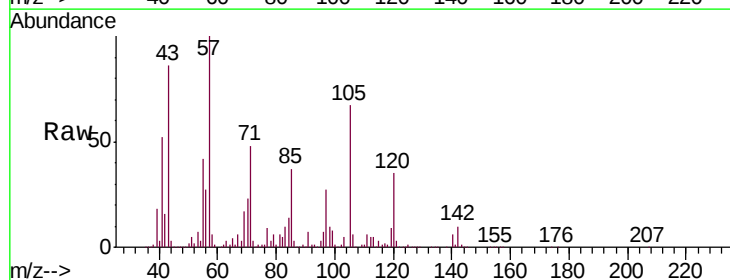
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 30459-61

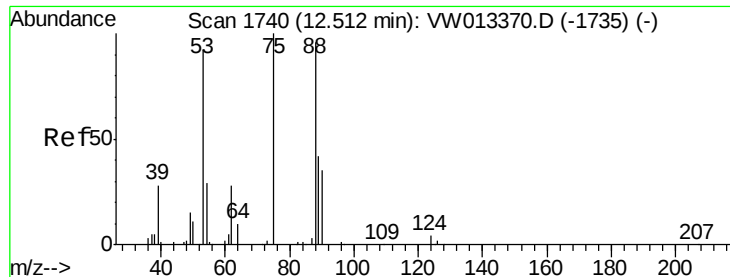
Tgt Ion: 91 Resp: 1465010  
 Ion Ratio Lower Upper  
 91 100  
 126 0.3 17.2 51.5#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 660.526 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. 0.00 min  
 Lab File: VW013418.D  
 Acq: 03 Oct 2019 14:01

Tgt Ion: 105 Resp: 6044633  
 Ion Ratio Lower Upper  
 105 100  
 120 54.3 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.004 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA\_W

ClientSampleId :

30459-61

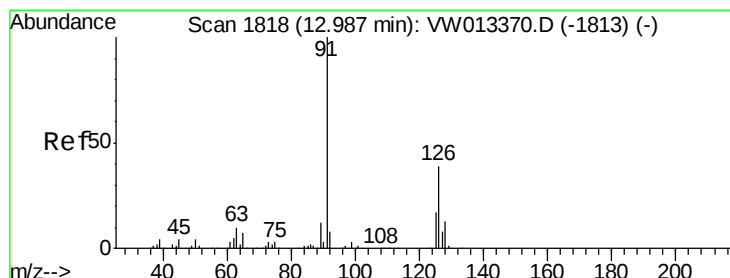
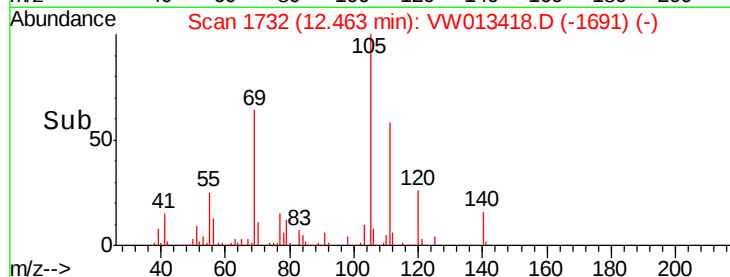
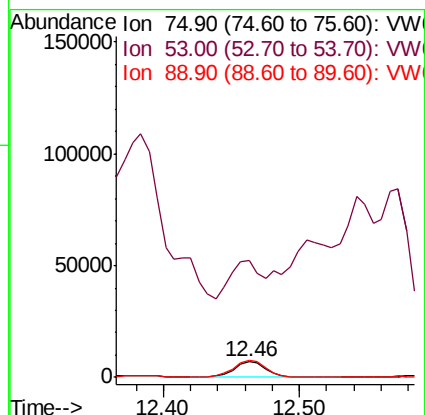
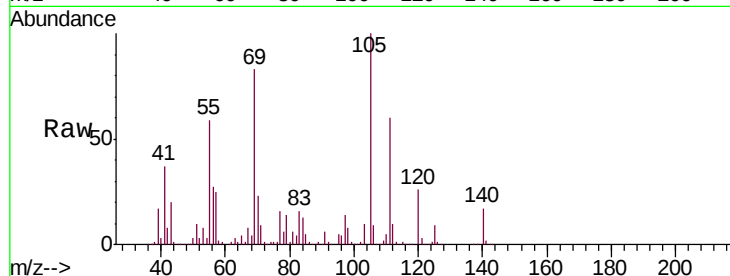
Tgt Ion: 75 Resp: 11547

Ion Ratio Lower Upper

75 100

53 229.2 76.6 114.8#

89 103.0 33.5 50.3#



#82

4-Chlorotoluene

Concen: 85.057 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.04 min

Lab File: VW013418.D

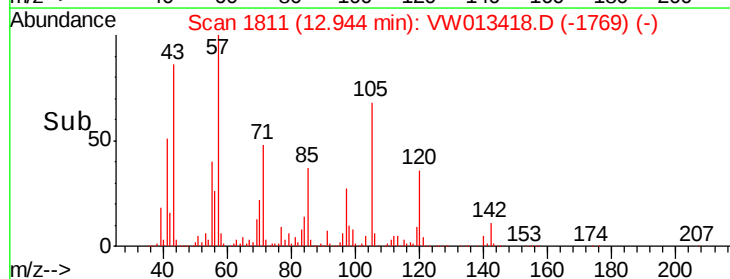
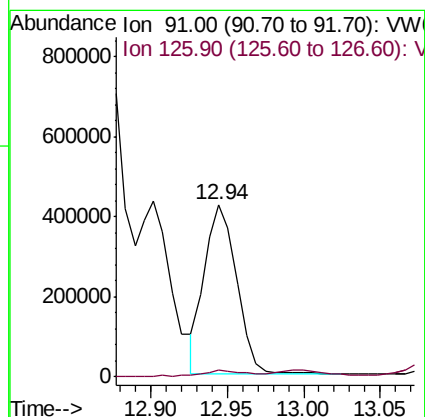
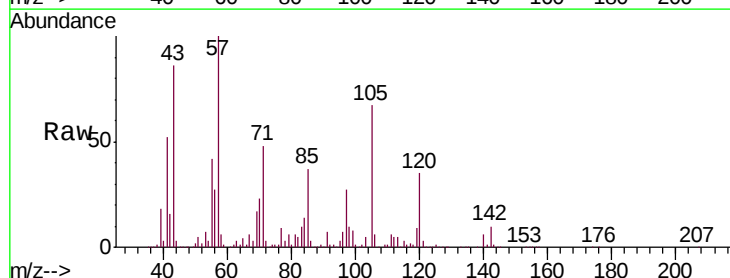
Acq: 03 Oct 2019 14:01

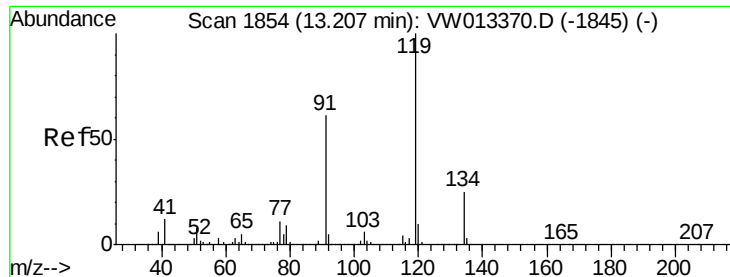
Tgt Ion: 91 Resp: 627116

Ion Ratio Lower Upper

91 100

126 4.7 17.3 51.7#

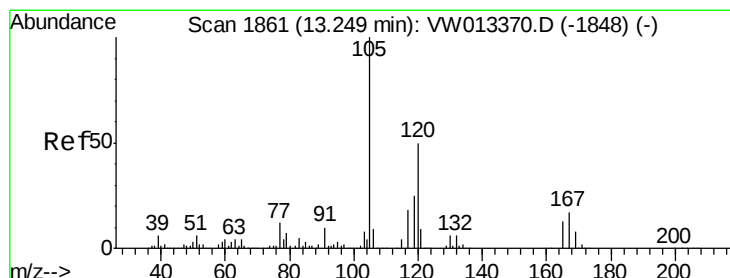
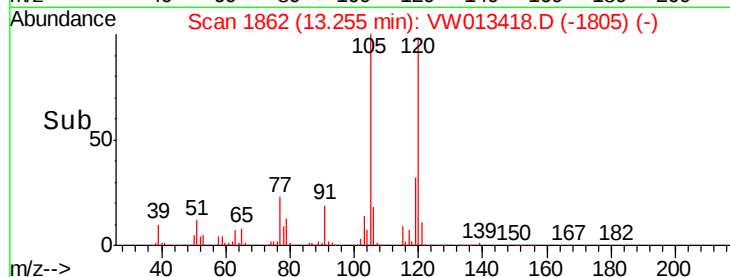
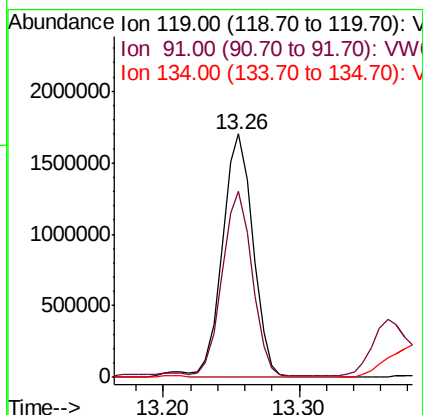
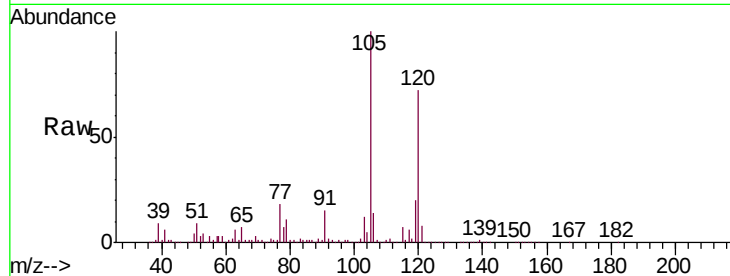




#83  
 tert-Butylbenzene  
 Concen: 330.035 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. 0.05 min  
 Lab File: VW013418.D  
 Acq: 03 Oct 2019 14:01

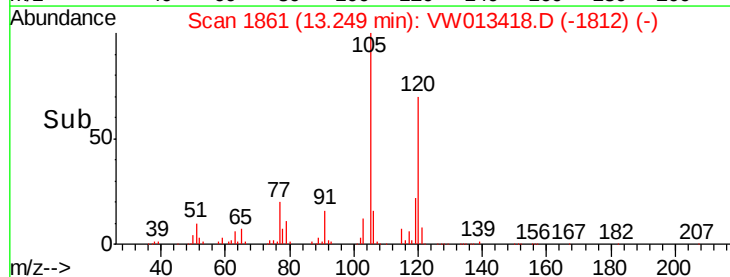
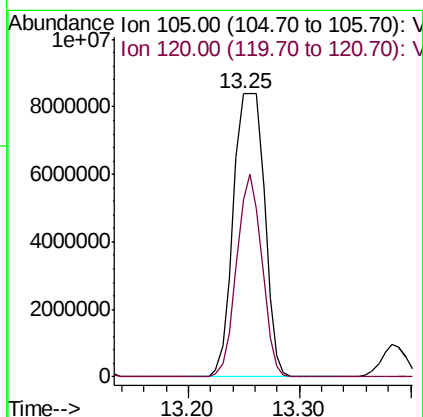
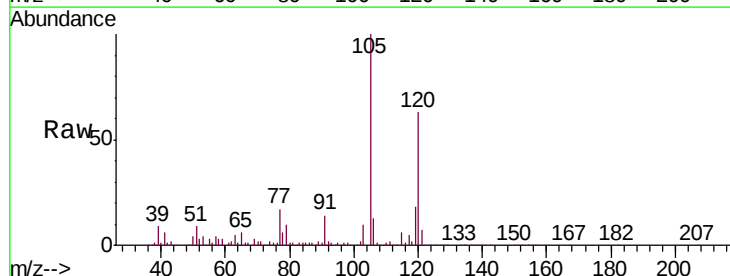
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 30459-61

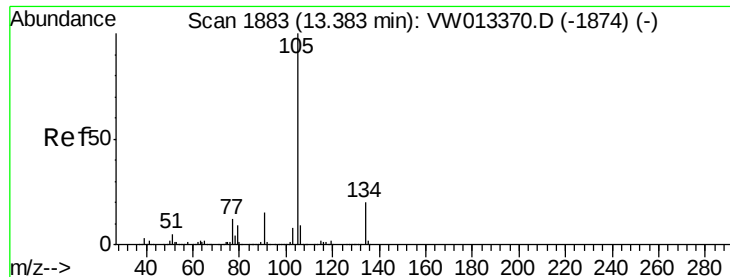
Tgt Ion:119 Resp: 2638050  
 Ion Ratio Lower Upper  
 119 100  
 91 74.4 30.7 92.1  
 134 0.0 12.6 37.6#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 1789.809 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. 0.00 min  
 Lab File: VW013418.D  
 Acq: 03 Oct 2019 14:01

Tgt Ion:105 Resp:16282582  
 Ion Ratio Lower Upper  
 105 100  
 120 58.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 137.190 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA\_W

ClientSampleId :

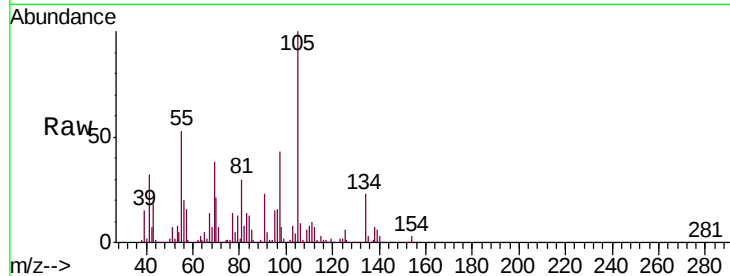
30459-61

Tgt Ion:105 Resp: 1511915

Ion Ratio Lower Upper

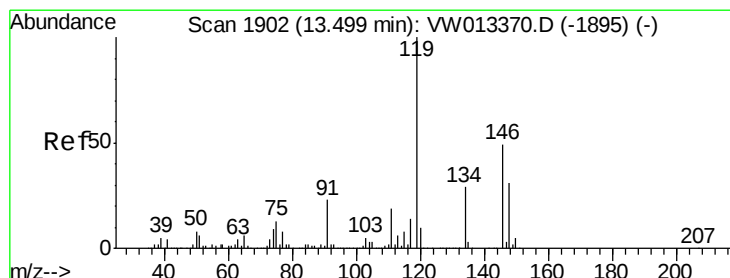
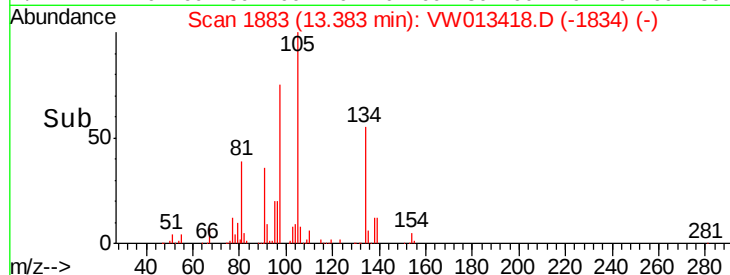
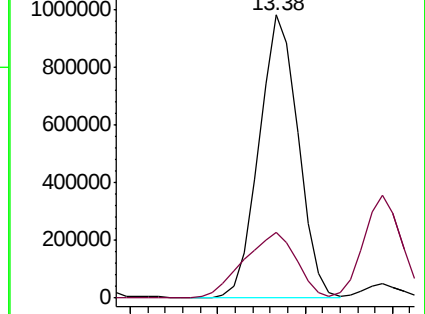
105 100

134 31.6 10.3 30.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 107.181 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

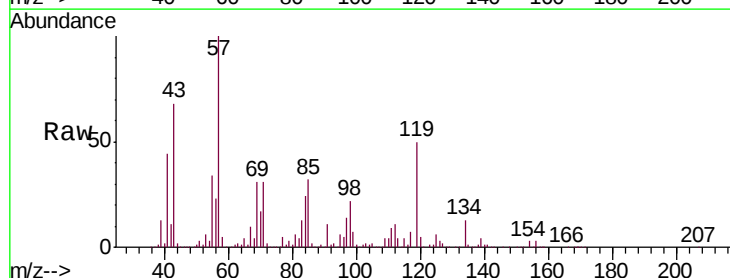
Tgt Ion:119 Resp: 1094682

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

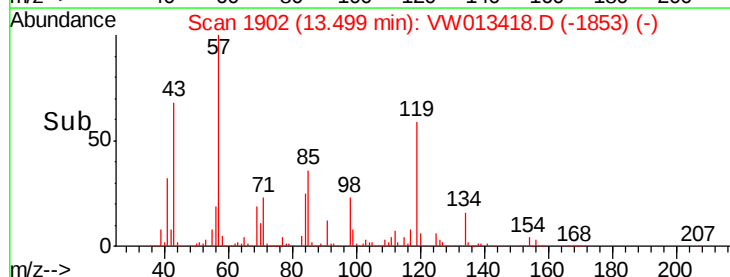
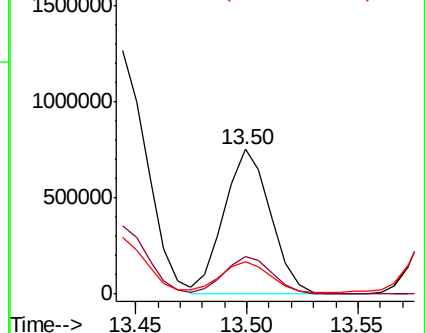
91 21.3 10.8 32.4

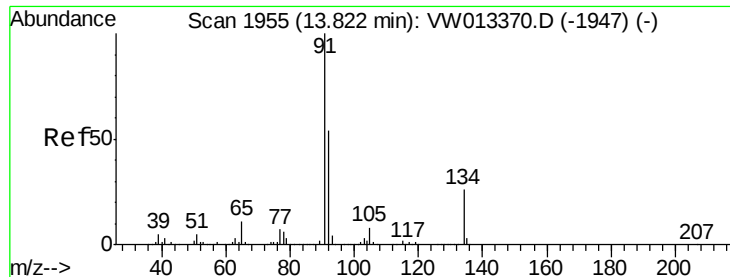


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 363.060 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA\_W

ClientSampleId :

30459-61

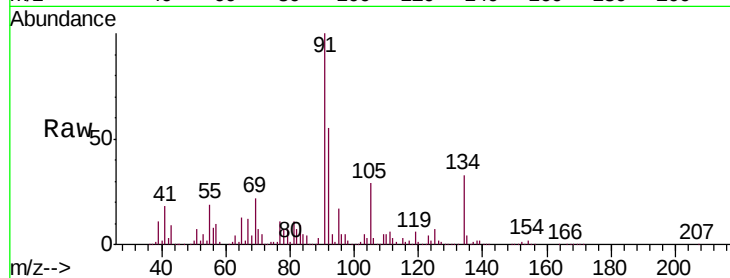
Tgt Ion: 91 Resp: 3343047

Ion Ratio Lower Upper

91 100

92 42.2 27.6 82.8

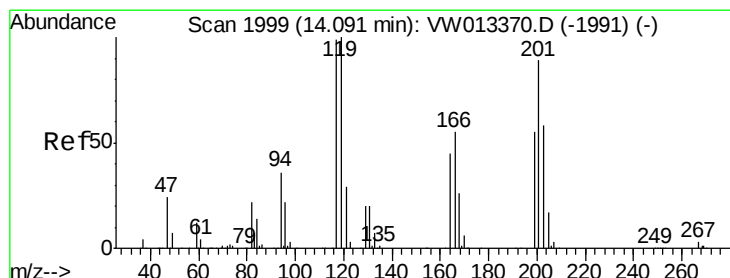
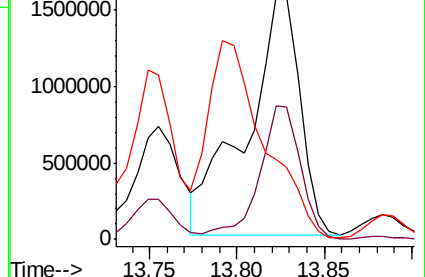
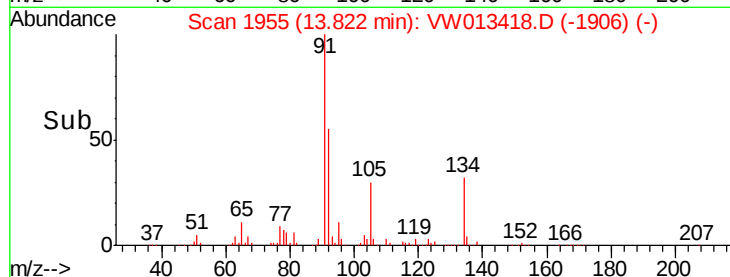
134 0.0 13.7 41.1#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 222.620 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW013418.D

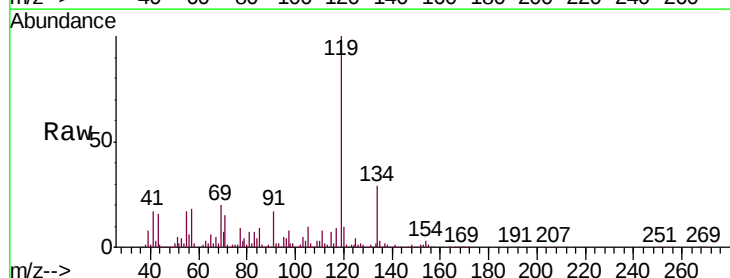
Acq: 03 Oct 2019 14:01

Tgt Ion: 117 Resp: 375642

Ion Ratio Lower Upper

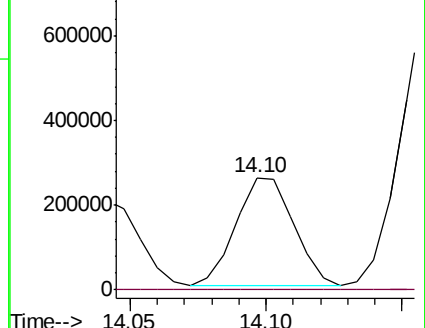
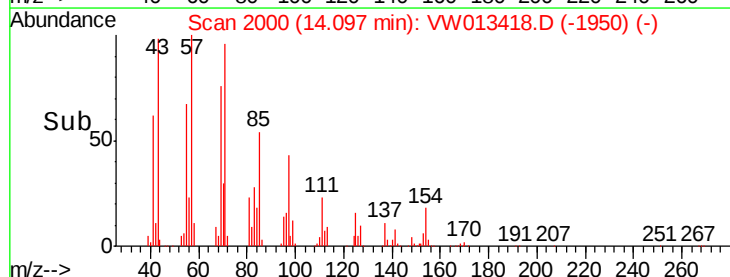
117 100

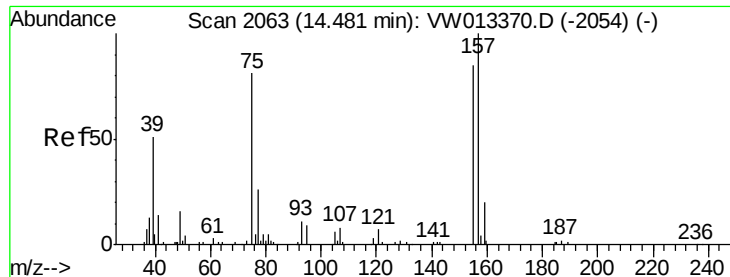
201 0.0 44.5 133.5#



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: 65.410 ug/l

RT: 14.46 min Scan# 2059

Delta R.T. -0.02 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA\_W

ClientSampleId :

30459-61

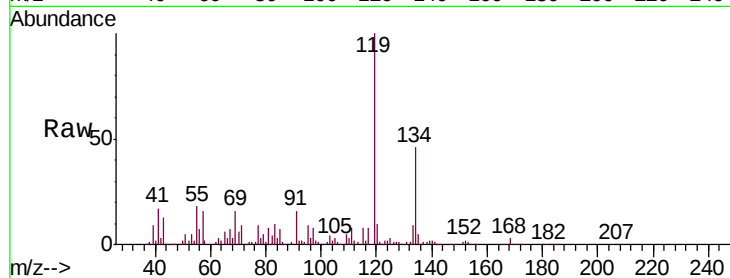
Tgt Ion: 75 Resp: 18243

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

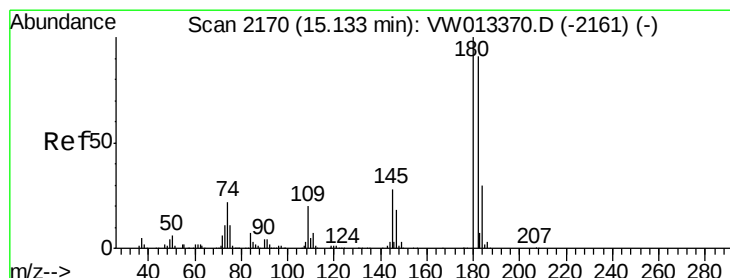
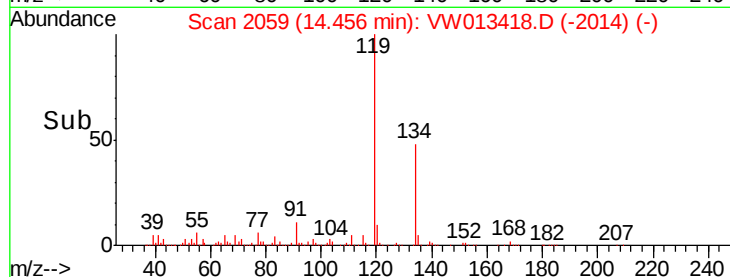
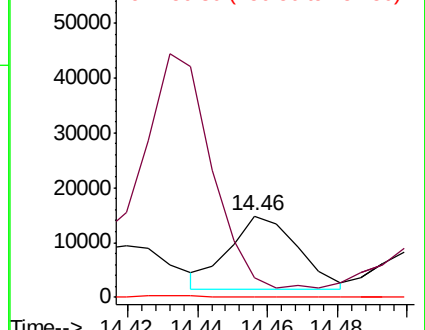
157 0.0 60.4 181.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 3.649 ug/l

RT: 15.15 min Scan# 2172

Delta R.T. 0.01 min

Lab File: VW013418.D

Acq: 03 Oct 2019 14:01

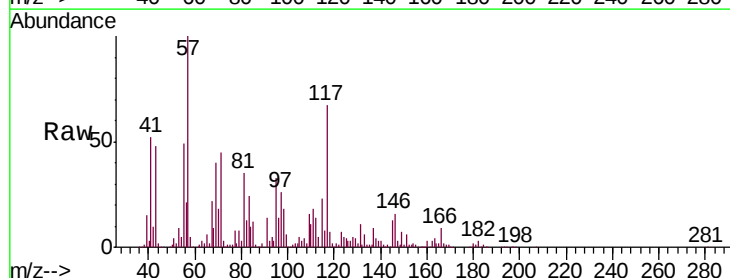
Tgt Ion:180 Resp: 11520

Ion Ratio Lower Upper

180 100

182 290.7 47.3 142.0#

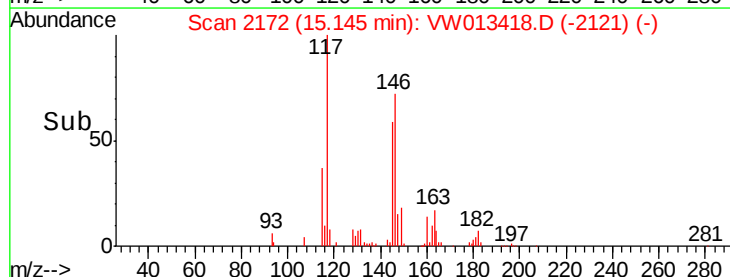
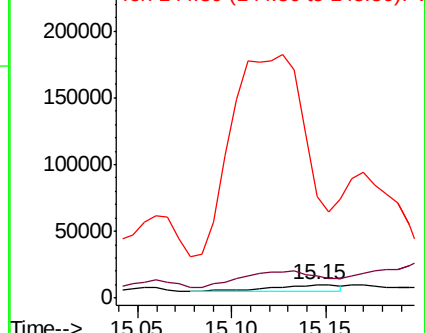
145 4690.1 14.2 42.8#

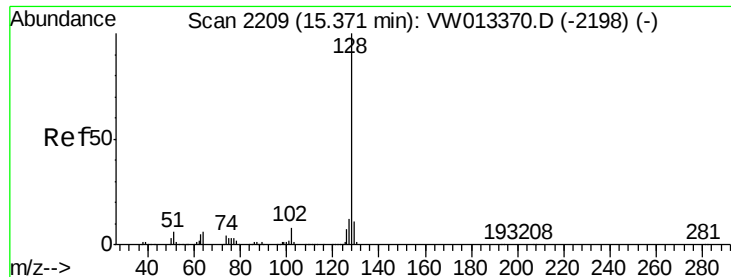


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

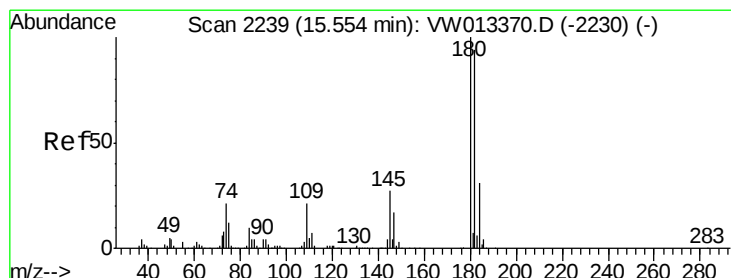
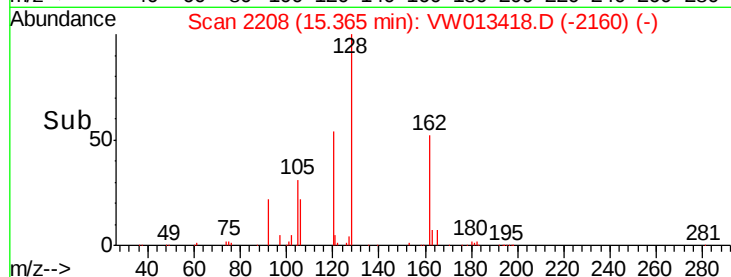
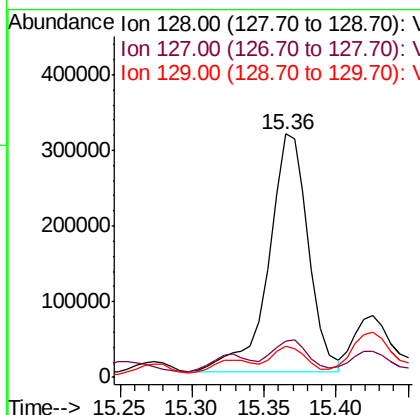
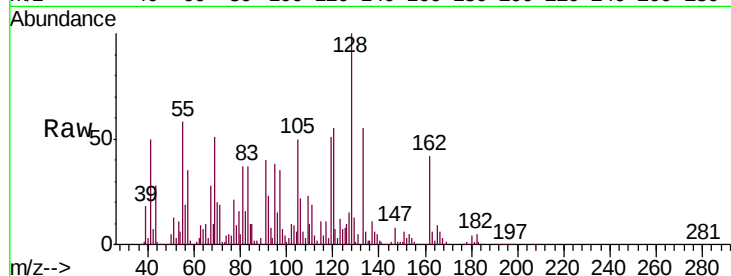




#95  
Naphthalene  
Concen: 113.730 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. -0.01 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

Instrument :  
MSVOA\_W  
ClientSampleId :  
30459-61

Tgt Ion:128 Resp: 605722  
Ion Ratio Lower Upper  
128 100  
127 10.7 10.6 15.8  
129 7.4 8.7 13.1#



#96  
1,2,3-Trichlorobenzene  
Concen: 16.668 ug/l  
RT: 15.58 min Scan# 2243  
Delta R.T. 0.02 min  
Lab File: VW013418.D  
Acq: 03 Oct 2019 14:01

Tgt Ion:180 Resp: 45948  
Ion Ratio Lower Upper  
180 100  
182 0.0 47.9 143.7#  
145 663.7 15.0 45.0#

