

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\  
 Data File : VV015803.D  
 Acq On : 29 Apr 2020 19:23  
 Operator : SY/MD  
 Sample : L2421-07DL 5X  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 30 01:42:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Apr 30 01:35:08 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 140761   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 136487   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 64760    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 39215    | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 106.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 32743    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 58809    | 3.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 73.00%  |
| 20) 2-Butanone-d5              | 3.92   | 46    | 102424   | 43.36    | ug/L | -0.03   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 86.72%  |
| 24) Chloroform-d               | 4.38   | 84    | 60898    | 3.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 71.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 46720    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.40%  |
| 32) Benzene-d6                 | 5.07   | 84    | 157489   | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 50223    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.40%  |
| 41) Toluene-d8                 | 7.34   | 98    | 141386   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.40%  |
| 43) trans-1,3-Dichloropropene- | 7.64   | 79    | 17008    | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.40%  |
| 46) 2-Hexanone-d5              | 8.12   | 63    | 71572    | 36.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 72.92%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 31914    | 4.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 82.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 50823    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 92.40%  |

## Target Compounds

|                             |      |     |       |              | Ovalue |
|-----------------------------|------|-----|-------|--------------|--------|
| 6) Bromomethane             | 1.53 | 94  | 444   | 0.093 ug/L   | 95     |
| 12) 1,1-Dichloroethene      | 2.12 | 96  | 874   | 0.107 ug/L # | 1      |
| 16) Methylene chloride      | 2.52 | 84  | 2866  | 0.283 ug/L   | 94     |
| 17) Methyl tert-butyl Ether | 2.79 | 73  | 1645  | 0.072 ug/L # | 72     |
| 19) 1,1-Dichloroethane      | 3.21 | 63  | 1035  | 0.057 ug/L # | 80     |
| 22) cis-1,2-Dichloroethene  | 3.94 | 96  | 7651  | 0.754 ug/L   | 91     |
| 25) Chloroform              | 4.40 | 83  | 23649 | 1.237 ug/L   | 96     |
| 27) 1,2-Dichloroethane      | 5.17 | 62  | 1122  | 0.089 ug/L # | 78     |
| 33) Benzene                 | 5.13 | 78  | 2900  | 0.074 ug/L   | 100    |
| 34) Trichloroethene         | 5.94 | 95  | 60444 | 5.613 ug/L   | 98     |
| 35) Methylcyclohexane       | 6.09 | 83  | 12189 | 0.737 ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.20 | 63  | 1106  | 0.112 ug/L # | 86     |
| 38) Bromodichloromethane    | 6.54 | 83  | 1402  | 0.111 ug/L # | 77     |
| 39) cis-1,3-Dichloropropene | 7.05 | 75  | 1483  | 0.107 ug/L   | 85     |
| 42) Toluene                 | 7.41 | 91  | 4677  | 0.112 ug/L   | 91     |
| 45) 1,1,2-Trichloroethane   | 7.87 | 97  | 802   | 0.119 ug/L   | 96     |
| 47) Tetrachloroethene       | 8.00 | 164 | 1478  | 0.191 ug/L   | 80     |

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 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

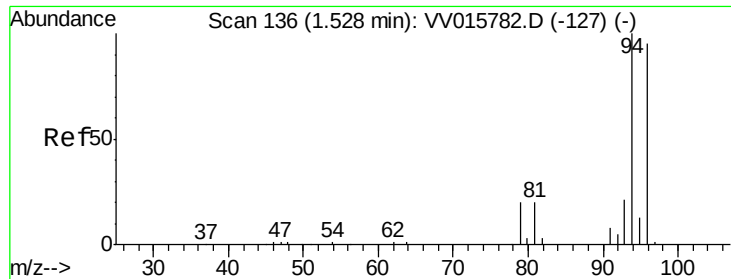
Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 30 01:42:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Apr 30 01:35:08 2020  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| -----                         |       |      |          |       |        |          |
| 48) 2-Hexanone                | 8.17  | 43   | 7923     | 1.727 | ug/L   | 93       |
| 49) Dibromochloromethane      | 8.26  | 129  | 739      | 0.106 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.38  | 107  | 798      | 0.128 | ug/L # | 93       |
| 51) Chlorobenzene             | 8.91  | 112  | 3264     | 0.120 | ug/L # | 83       |
| 52) Ethylbenzene              | 9.04  | 91   | 4915     | 0.102 | ug/L   | 93       |
| 53) m,p-xylene                | 9.17  | 106  | 1511     | 0.086 | ug/L   | 88       |
| 54) o-xylene                  | 9.57  | 106  | 1762     | 0.103 | ug/L   | 99       |
| 55) Styrene                   | 9.59  | 104  | 2838     | 0.098 | ug/L   | 82       |
| 56) Isopropylbenzene          | 9.95  | 105  | 4322     | 0.090 | ug/L # | 96       |
| 58) 1,1,2,2-Tetrachloroethane | 10.27 | 83   | 1201     | 0.152 | ug/L # | 93       |
| 59) 1,2,3-Trichloropropane    | 10.29 | 75   | 898      | 0.142 | ug/L   | 93       |
| 61) Bromoform                 | 9.76  | 173  | 315      | 0.118 | ug/L # | 62       |
| 62) 1,3-Dichlorobenzene       | 11.21 | 146  | 2506     | 0.122 | ug/L   | 92       |
| 63) 1,4-Dichlorobenzene       | 11.30 | 146  | 3036     | 0.147 | ug/L   | 97       |
| 65) 1,2-Dichlorobenzene       | 11.67 | 146  | 2282     | 0.123 | ug/L   | 94       |
| 67) 1,3,5-Trichlorobenzene    | 12.67 | 180  | 1824     | 0.120 | ug/L   | 94       |
| 68) 1,2,4-trichlorobenzene    | 13.29 | 180  | 1458     | 0.105 | ug/L   | 98       |
| 69) Naphthalene               | 13.53 | 128  | 2282     | 0.091 | ug/L # | 90       |
| 70) 1,2,3-Trichlorobenzene    | 13.77 | 180  | 1298     | 0.106 | ug/L   | 96       |
| -----                         |       |      |          |       |        |          |

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





#6

Bromomethane

Concen: 0.093 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

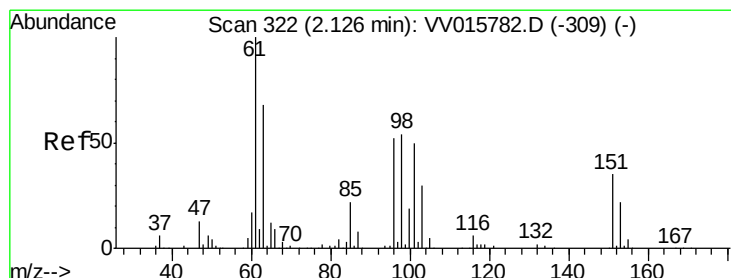
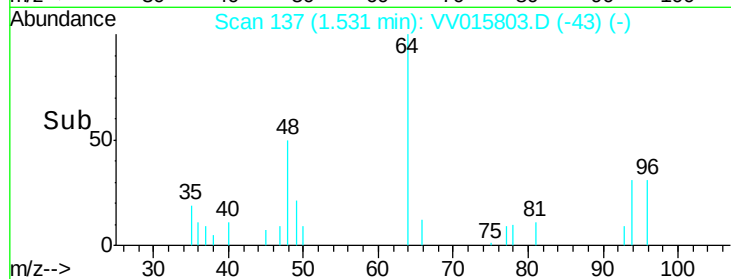
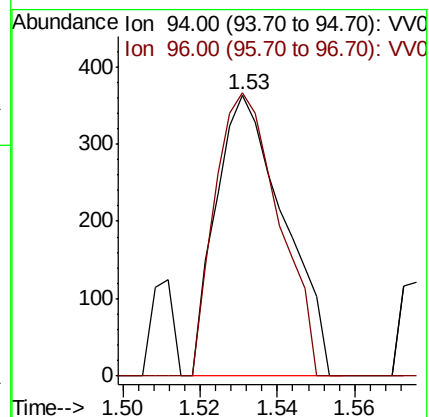
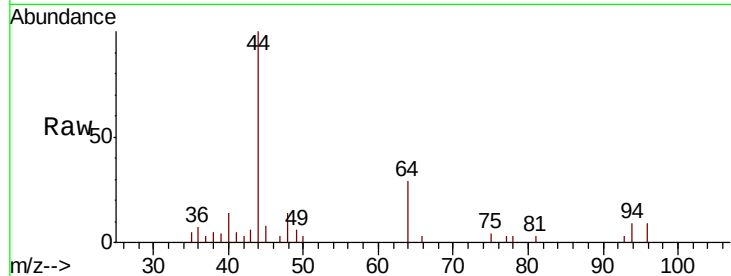
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 94 Resp: 444

Ion Ratio Lower Upper

94 100

96 100.8 67.3 125.1



#12

1,1-Dichloroethene

Concen: 0.107 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

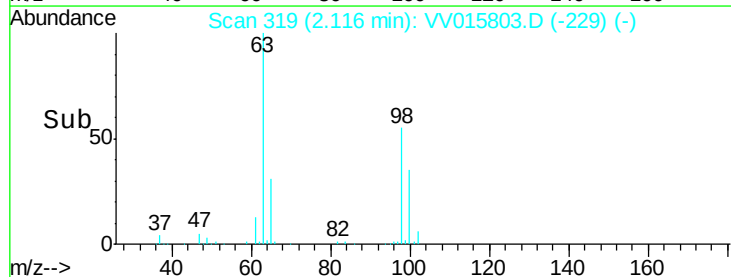
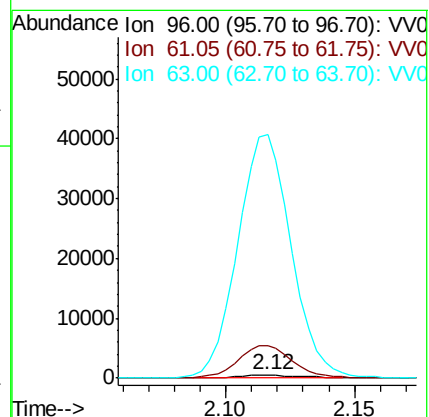
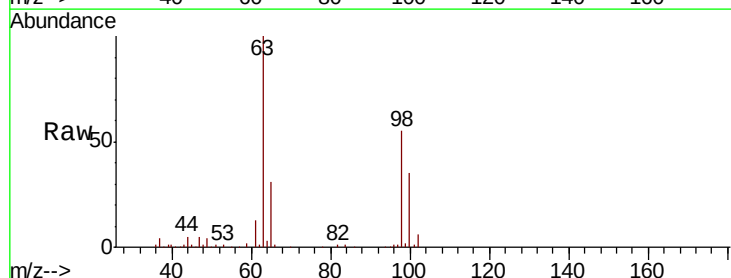
Tgt Ion: 96 Resp: 874

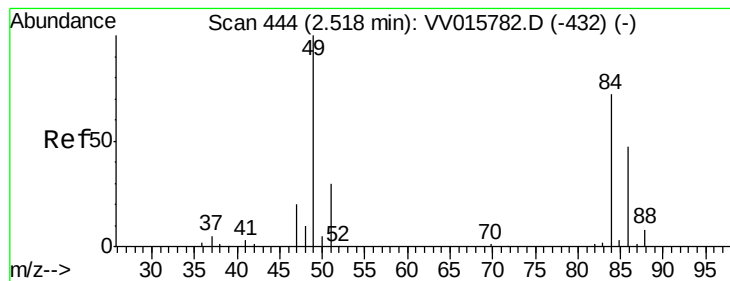
Ion Ratio Lower Upper

96 100

61 965.0 130.1 241.7#

63 7227.0 91.4 169.8#





#16

Methylene chloride

Concen: 0.283 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

Instrument :

MSVOA\_V

ClientSampleId :

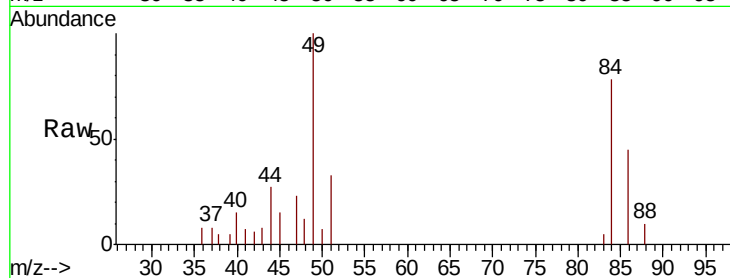
Tot Ion: 84 Resp: 2866

Ion Ratio Lower Upper

84 100

86 57.6 45.1 83.7

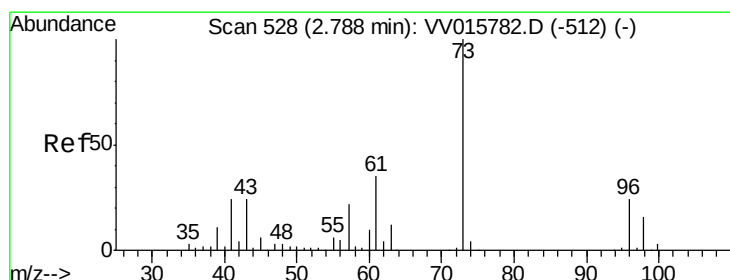
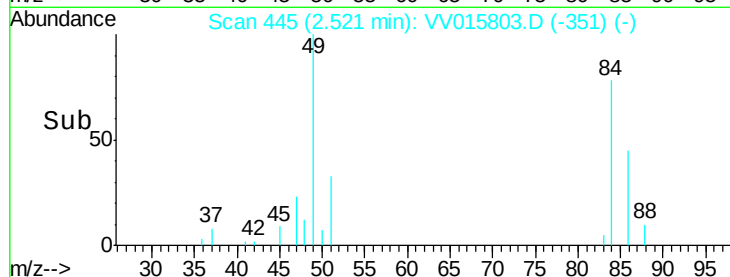
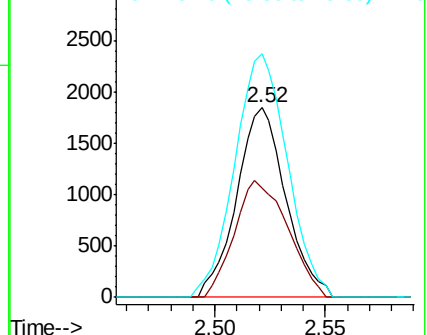
49 128.6 94.4 175.4



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



#17

Methyl tert-butyl Ether

Concen: 0.072 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

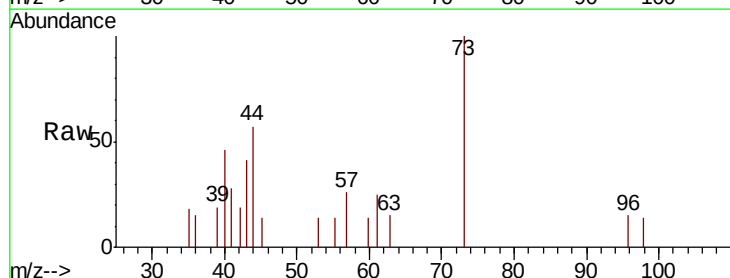
Tgt Ion: 73 Resp: 1645

Ion Ratio Lower Upper

73 100

43 50.2 20.1 30.1#

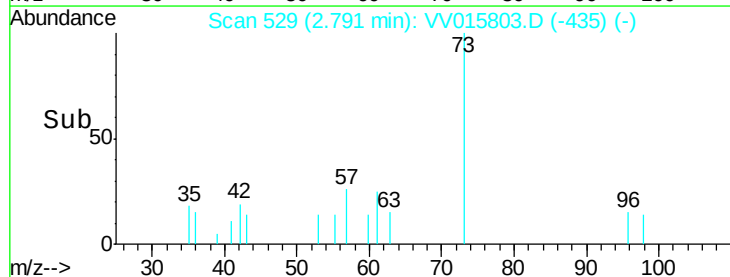
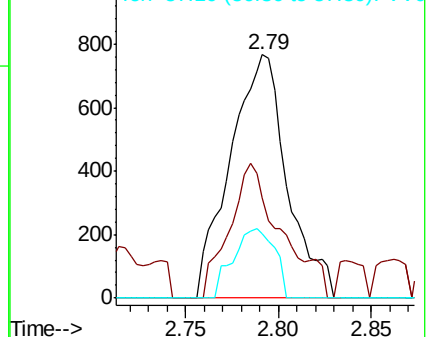
57 20.7 17.8 26.8

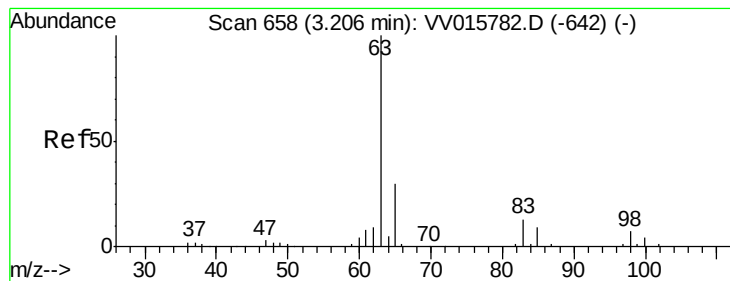


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0





#19

1,1-Dichloroethane

Concen: 0.057 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

Instrument :

MSVOA\_V

ClientSampleId :

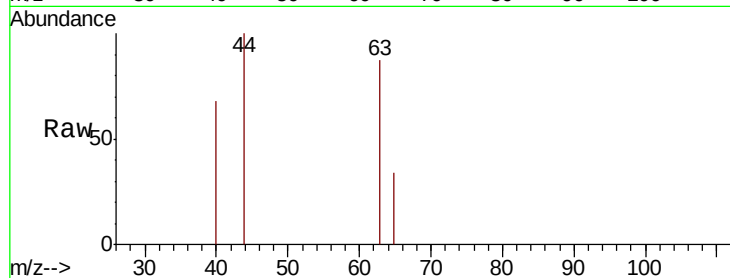
Tot Ion: 63 Resp: 1035

Ion Ratio Lower Upper

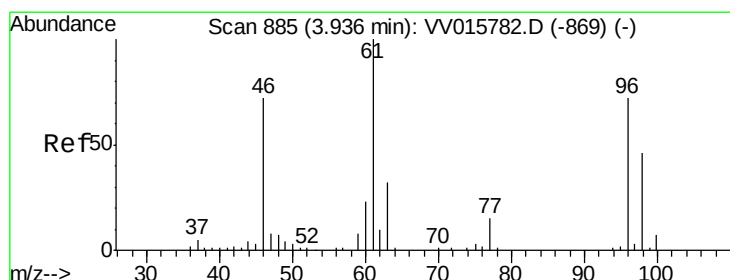
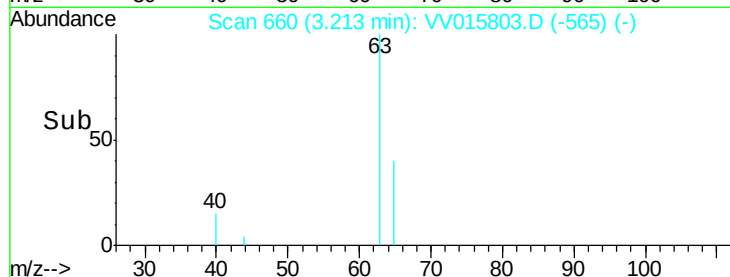
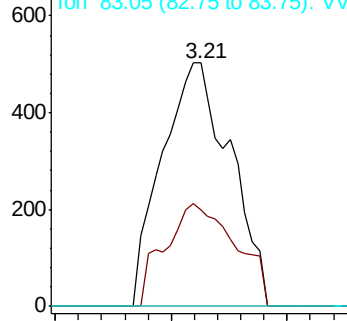
63 100

65 39.6 22.3 41.3

83 0.0 9.3 17.3#



Abundance Ion 63.10 (62.80 to 63.80): VV015803.D (-565) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.754 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

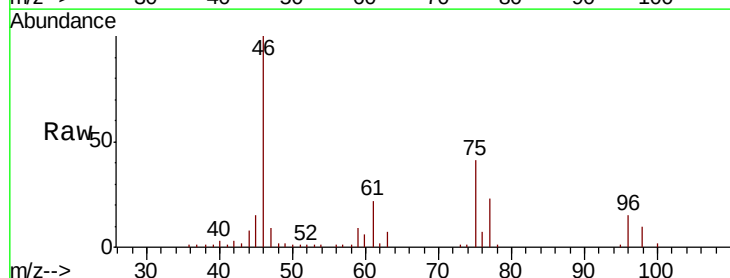
Tgt Ion: 96 Resp: 7651

Ion Ratio Lower Upper

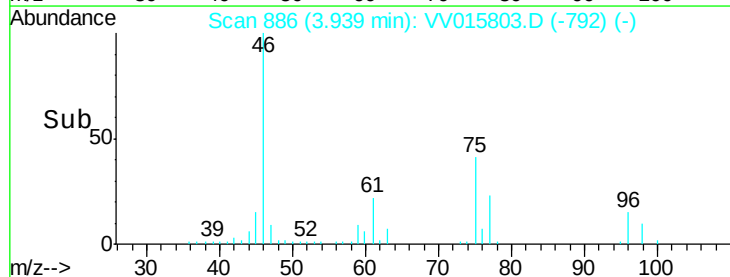
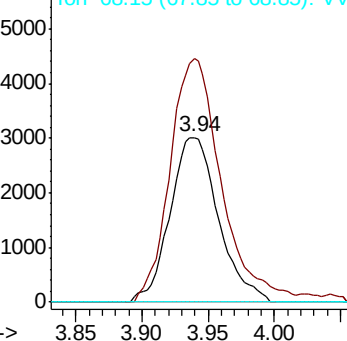
96 100

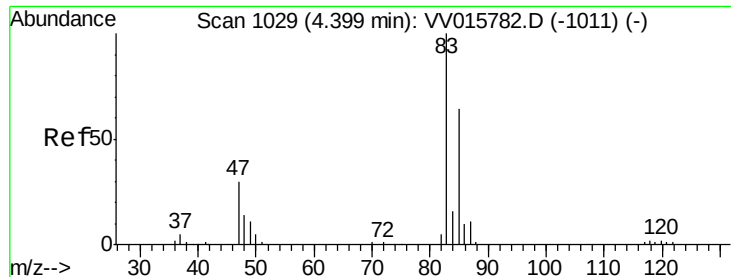
61 148.1 96.4 179.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015803.D (-792) (-)

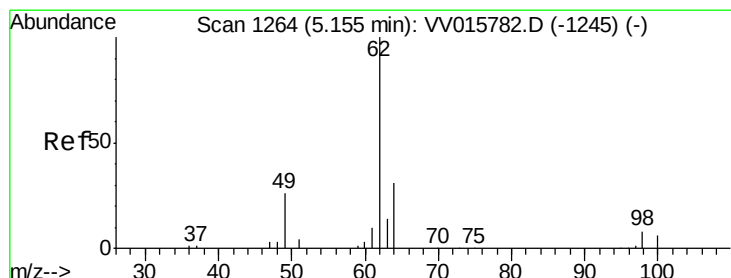
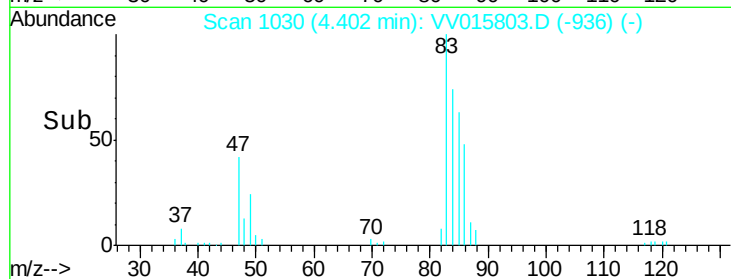
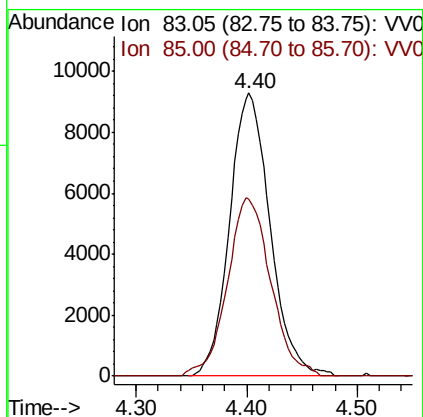
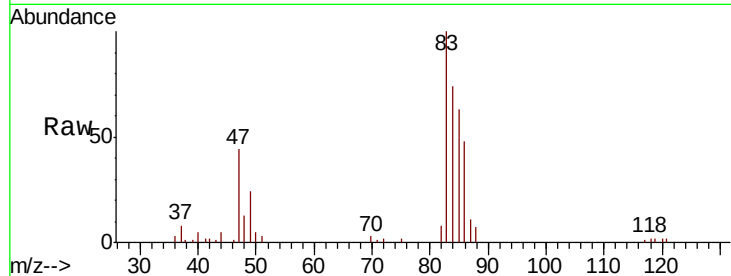




#25  
Chloroform  
Concen: 1.237 ug/L  
RT: 4.40 min Scan# 1030  
Delta R.T. 0.00 min  
Lab File: VV015803.D  
Acq: 29 Apr 2020 19:23

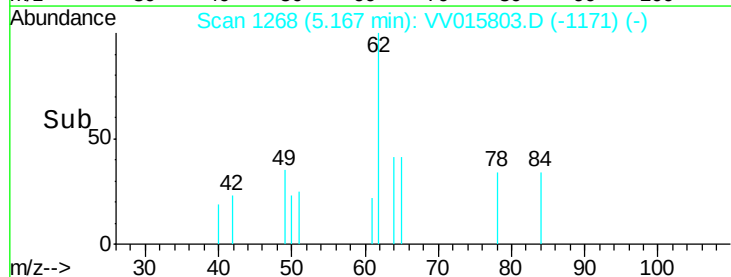
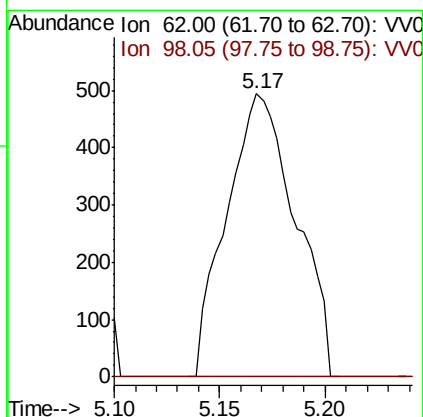
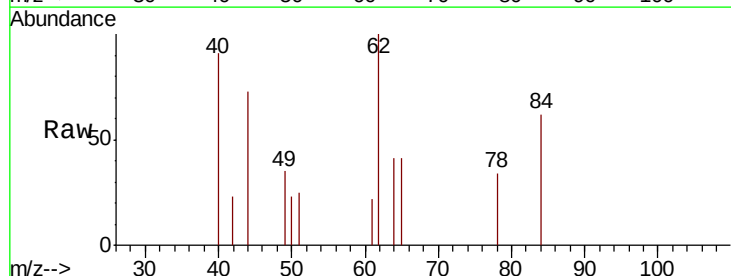
Instrument :  
MSVOA\_V  
ClientSampled :

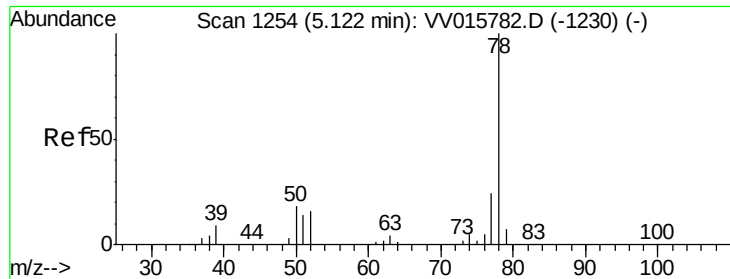
Tot Ion: 83 Resp: 23649  
Ion Ratio Lower Upper  
83 100  
85 62.5 46.1 85.5



#27  
1,2-Dichloroethane  
Concen: 0.089 ug/L  
RT: 5.17 min Scan# 1268  
Delta R.T. 0.01 min  
Lab File: VV015803.D  
Acq: 29 Apr 2020 19:23

Tgt Ion: 62 Resp: 1122  
Ion Ratio Lower Upper  
62 100  
98 0.0 6.3 9.5#





#33

Benzene

Concen: 0.074 ug/L

RT: 5.13 min Scan# 1256

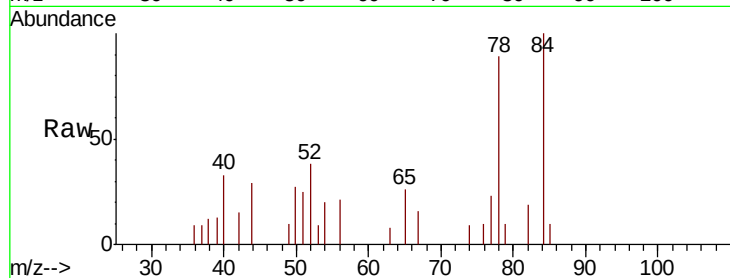
Delta R.T. 0.01 min

Lab File: VV015803.D

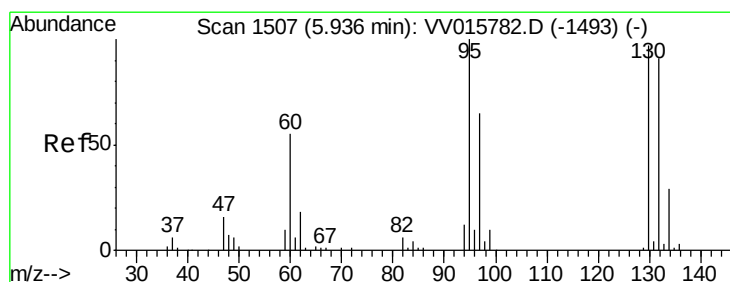
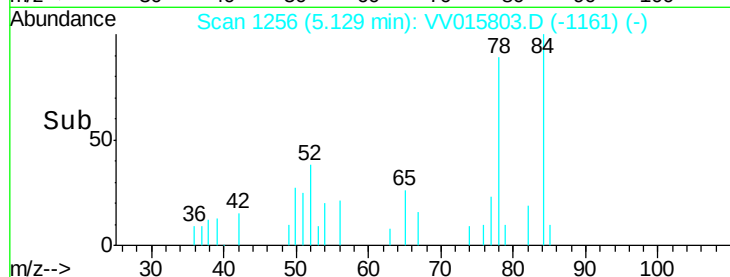
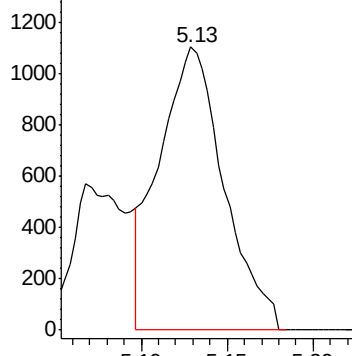
Acq: 29 Apr 2020 19:23

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 78 Resp: 2900



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 5.613 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

Tgt Ion: 95 Resp: 60444

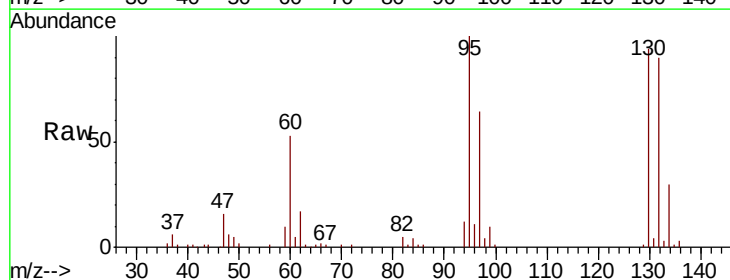
Ion Ratio Lower Upper

95 100

97 63.6 44.7 82.9

132 90.3 65.2 121.0

130 94.1 65.0 120.6

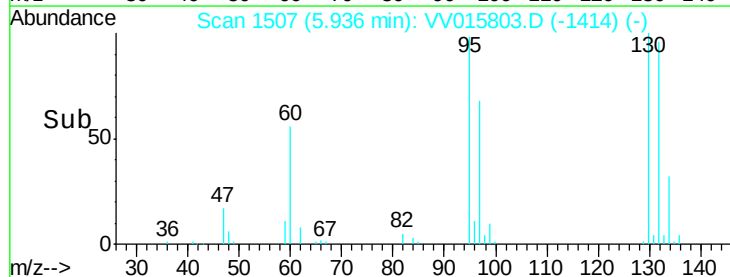
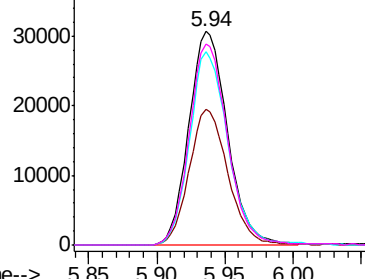


Abundance Ion 95.00 (94.70 to 95.70): VV0

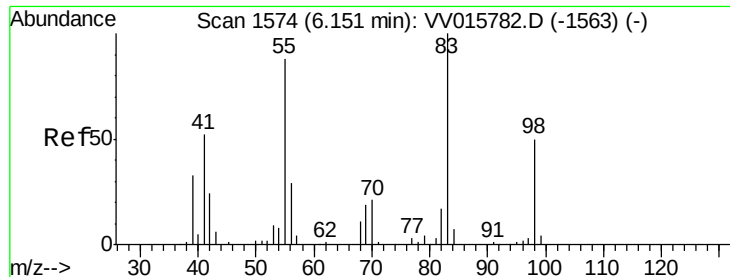
Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



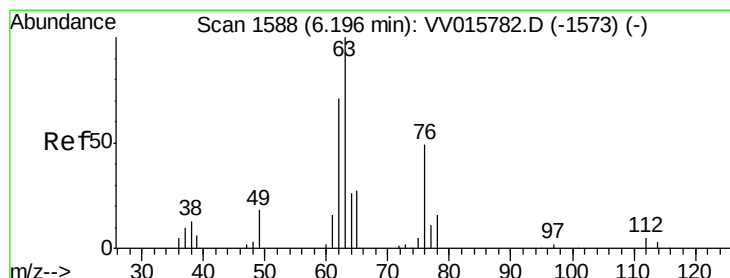
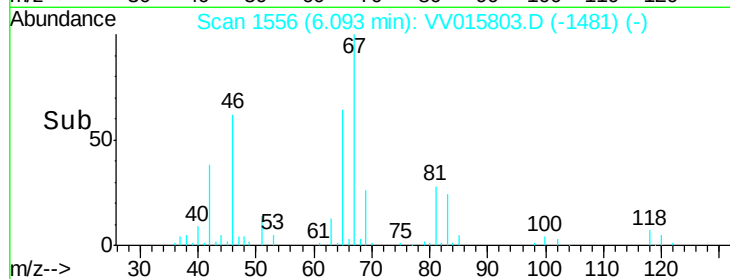
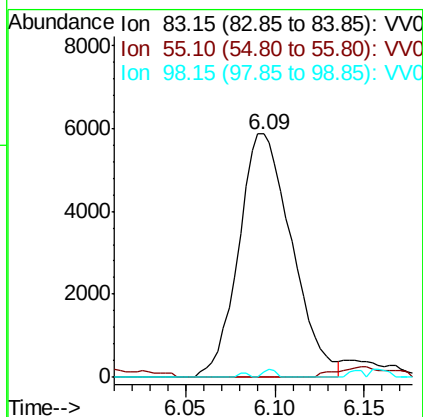
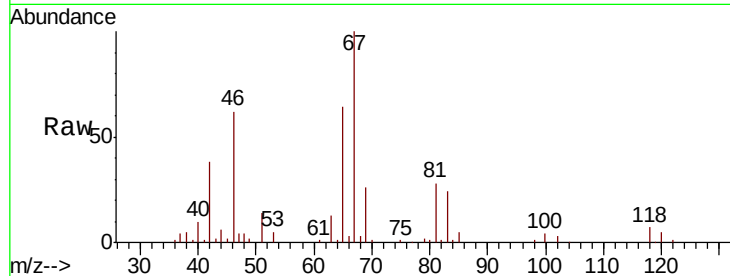




#35  
Methylvlcyclohexane  
Concen: 0.737 ug/L  
RT: 6.09 min Scan# 1556  
Delta R.T. -0.06 min  
Lab File: VV015803.D  
Acq: 29 Apr 2020 19:23

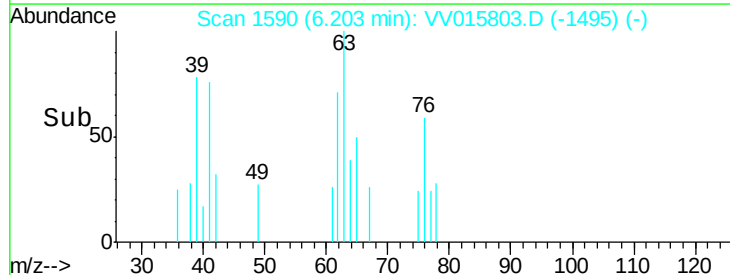
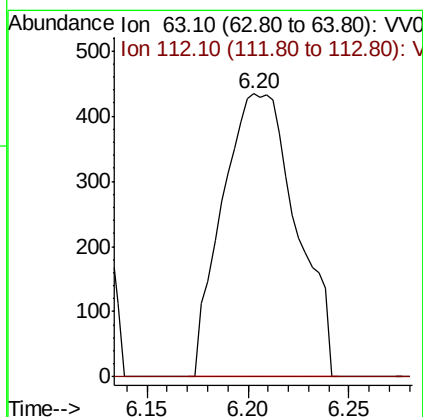
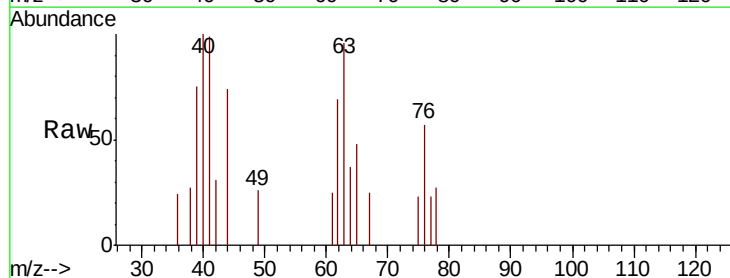
Instrument :  
MSVOA\_V  
ClientSampleId :

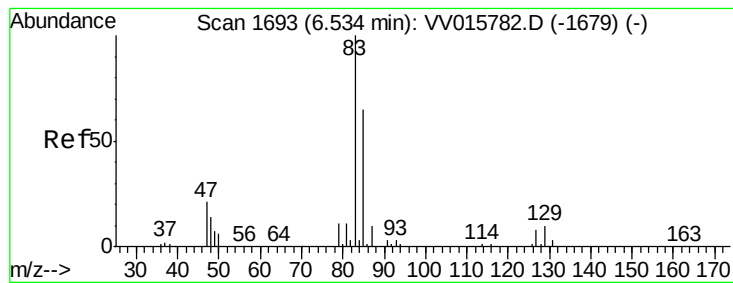
Tot Ion: 83 Resp: 12189  
Ion Ratio Lower Upper  
83 100  
55 0.0 66.6 99.8#  
98 0.8 39.5 59.3#



#37  
1,2-Dichloropropane  
Concen: 0.112 ug/L  
RT: 6.20 min Scan# 1590  
Delta R.T. 0.01 min  
Lab File: VV015803.D  
Acq: 29 Apr 2020 19:23

Tgt Ion: 63 Resp: 1106  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.6 5.4#





#38

Bromodichloromethane

Concen: 0.111 ug/L

RT: 6.54 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

Instrument :

MSVOA\_V

ClientSampleId :

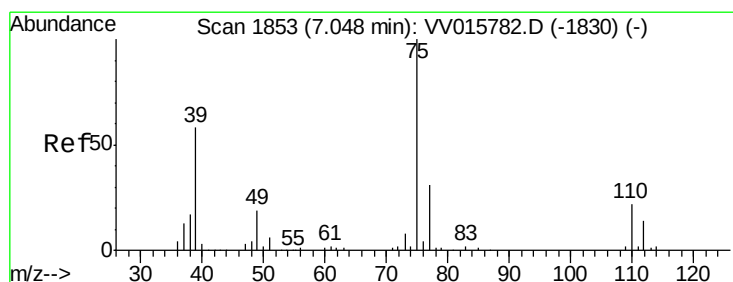
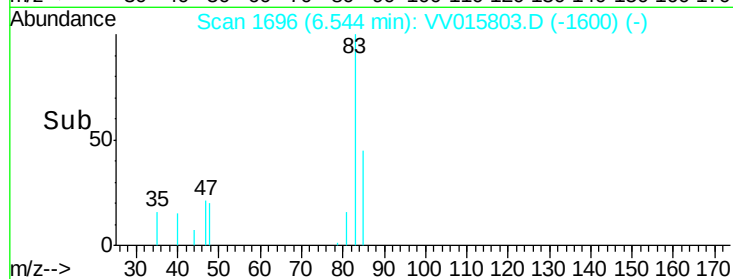
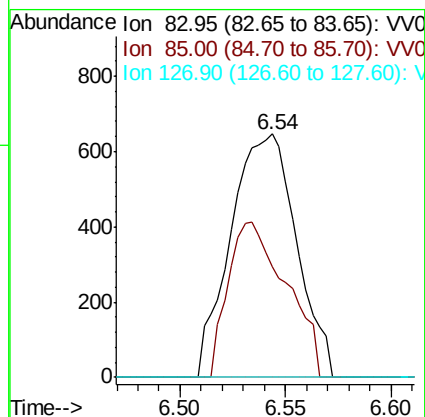
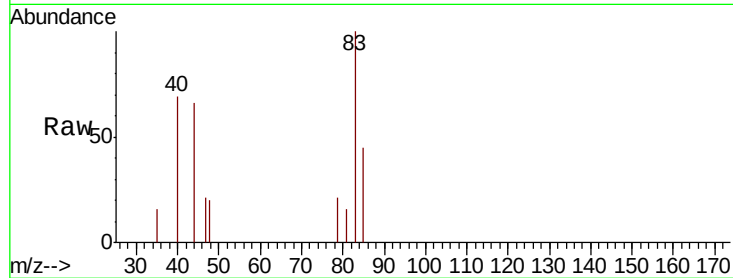
Tot Ion: 83 Resp: 1402

Ion Ratio Lower Upper

83 100

85 45.4 44.7 83.1

127 0.0 5.8 8.6#



#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV015803.D

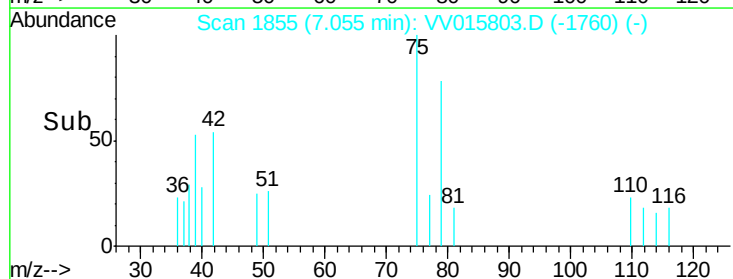
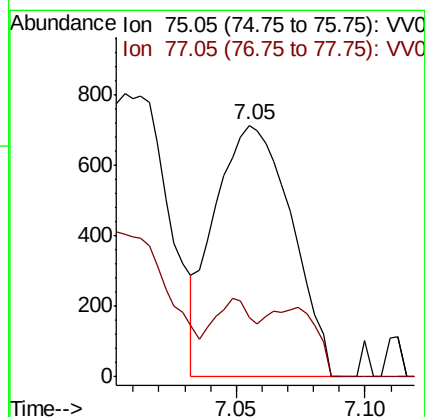
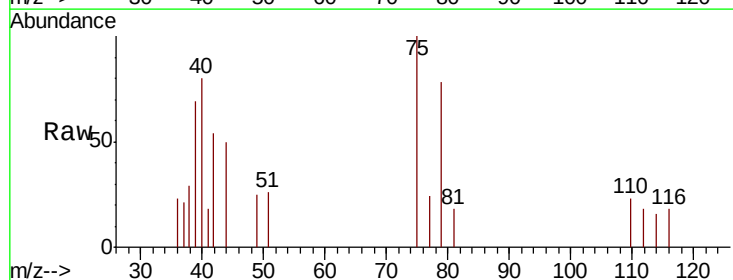
Acq: 29 Apr 2020 19:23

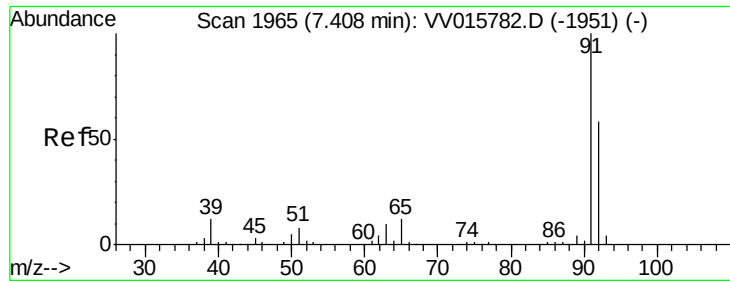
Tgt Ion: 75 Resp: 1483

Ion Ratio Lower Upper

75 100

77 23.8 22.3 41.5





#42

Toluene

Concen: 0.112 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

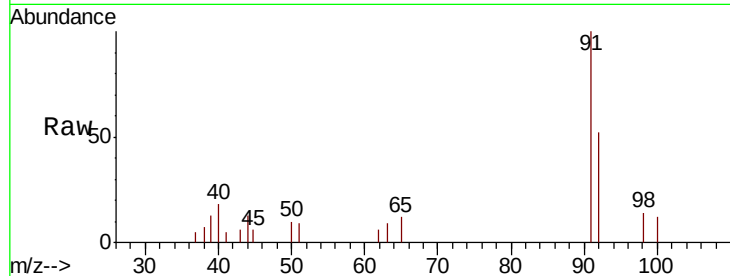
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 91 Resp: 4677

Ion Ratio Lower Upper

91 100

92 51.7 40.7 75.7

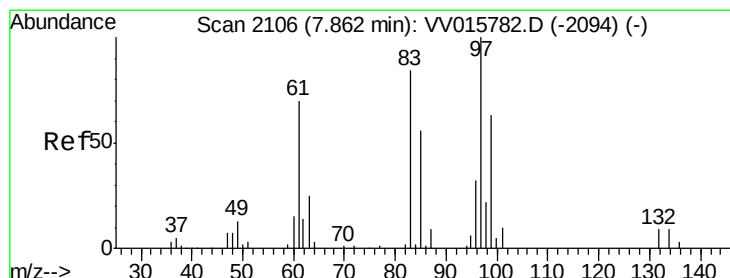
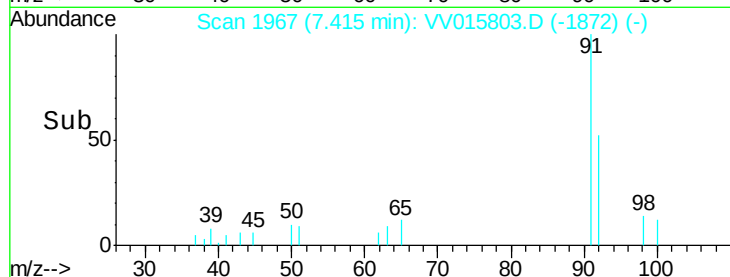


Abundance Ion 91.15 (90.85 to 91.85): VV015782.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015782.D (-1951) (-)

7.41

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.119 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

Tgt Ion: 97 Resp: 802

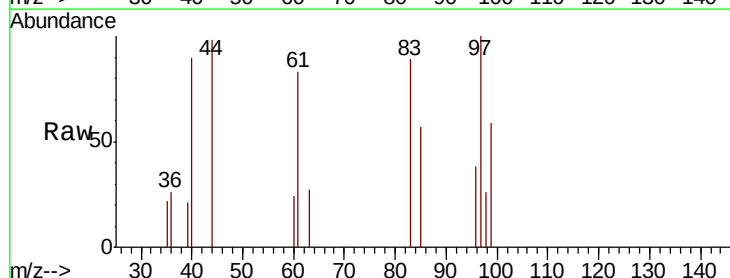
Ion Ratio Lower Upper

97 100

99 59.1 45.4 84.4

83 88.9 61.3 113.9

85 57.0 38.4 71.4



Abundance Ion 96.95 (96.65 to 97.65): VV015782.D (-2094) (-)

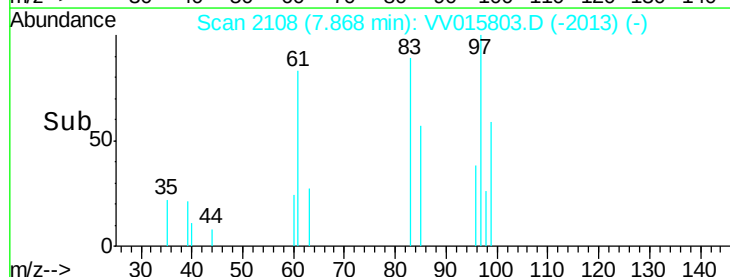
Ion 99.05 (98.75 to 99.75): VV015782.D (-2094) (-)

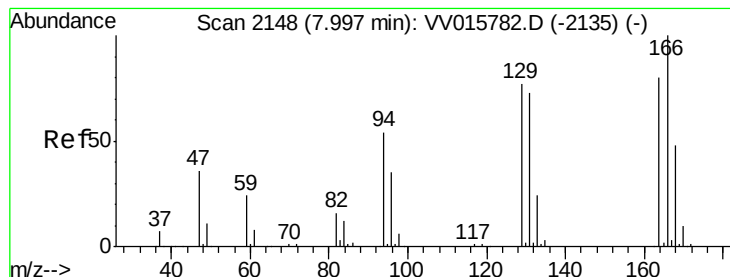
Ion 82.95 (82.65 to 83.65): VV015782.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV015782.D (-2094) (-)

7.87

Time-->





#47

Tetrachloroethene

Concen: 0.191 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion:164 Resp: 1478

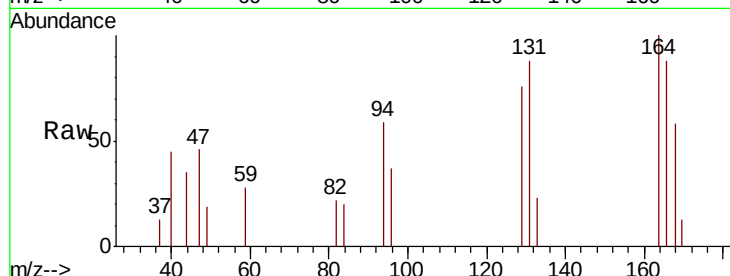
Ion Ratio Lower Upper

164 100

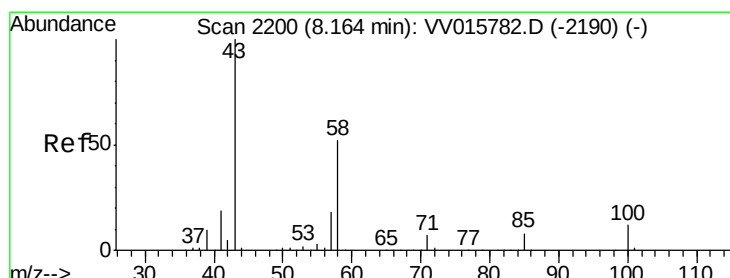
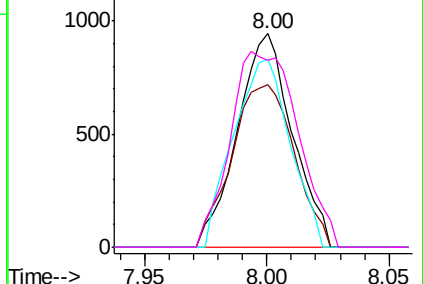
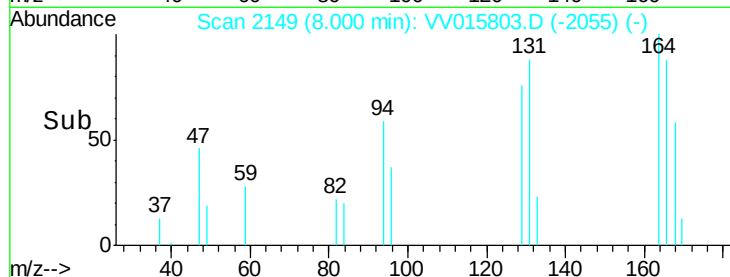
129 75.9 66.7 123.9

131 88.3 66.6 123.6

166 87.7 85.3 158.5



Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.727 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

Tgt Ion: 43 Resp: 7923

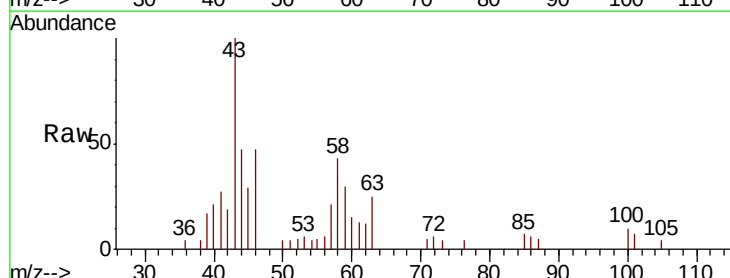
Ion Ratio Lower Upper

43 100

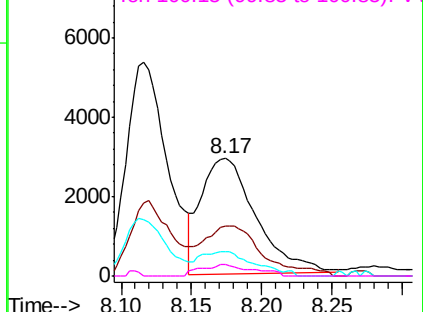
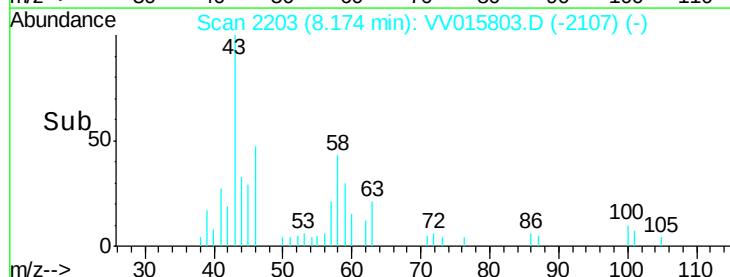
58 45.6 41.1 61.7

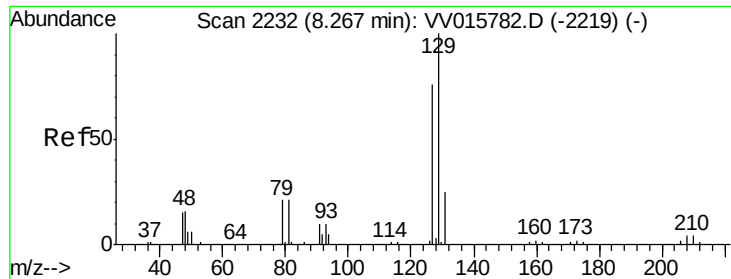
57 21.3 15.0 22.4

100 9.3 9.0 13.4



Abundance Ion 43.05 (42.75 to 43.75): VV0  
Ion 58.05 (57.75 to 58.75): VV0  
Ion 57.20 (56.90 to 57.90): VV0  
Ion 100.15 (99.85 to 100.85): VV0

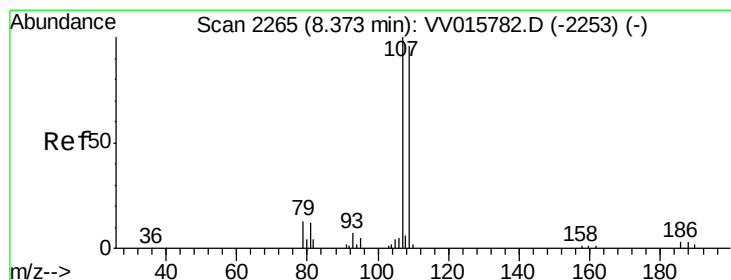
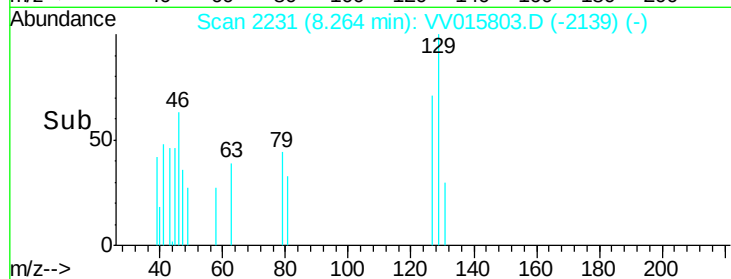
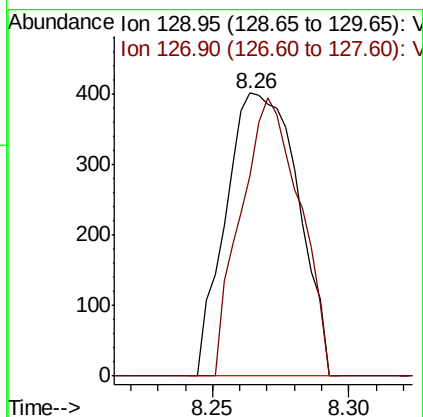
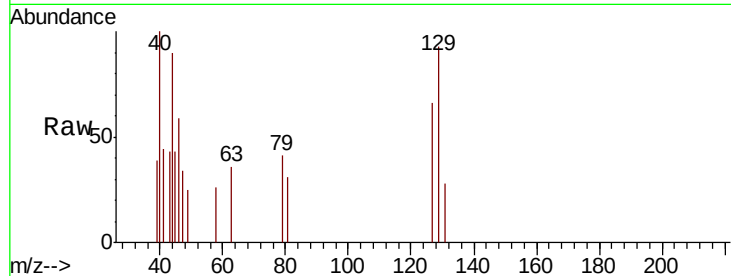




#49  
 Dibromochloromethane  
 Concen: 0.106 ug/L  
 RT: 8.26 min Scan# 2231  
 Delta R.T. -0.00 min  
 Lab File: VV015803.D  
 Acq: 29 Apr 2020 19:23

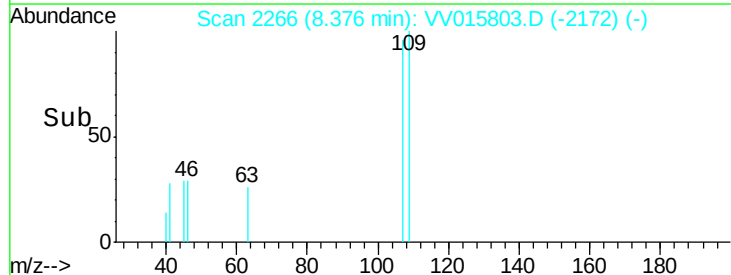
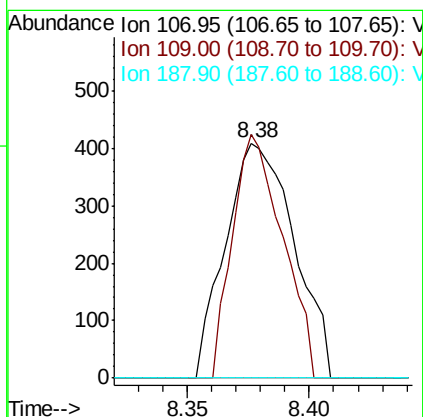
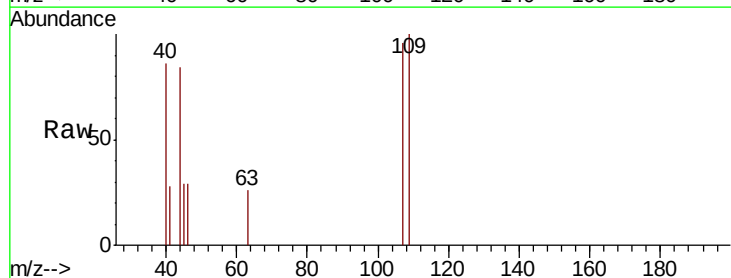
Instrument :  
 MSVOA\_V  
 ClientSampleId :

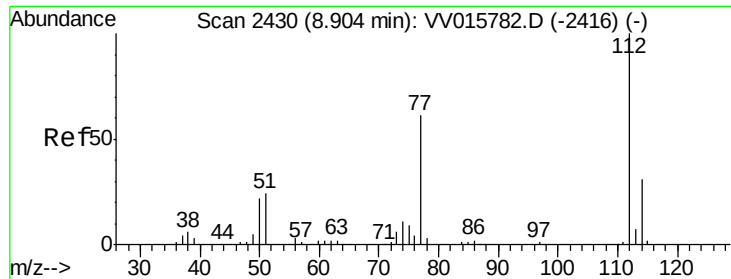
Tot Ion:129 Resp: 739  
 Ion Ratio Lower Upper  
 129 100  
 127 70.9 52.6 97.8



#50  
 1,2-Dibromoethane  
 Concen: 0.128 ug/L  
 RT: 8.38 min Scan# 2266  
 Delta R.T. 0.00 min  
 Lab File: VV015803.D  
 Acq: 29 Apr 2020 19:23

Tgt Ion:107 Resp: 798  
 Ion Ratio Lower Upper  
 107 100  
 109 103.7 68.1 126.5  
 188 0.0 3.2 4.8#

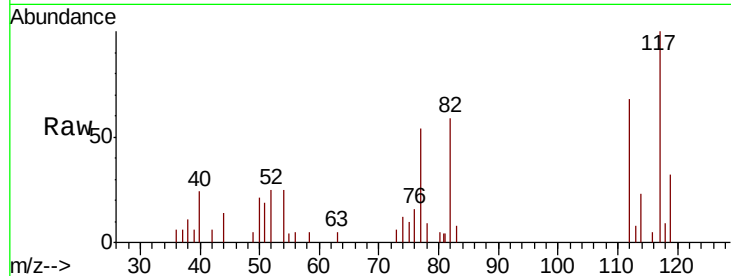




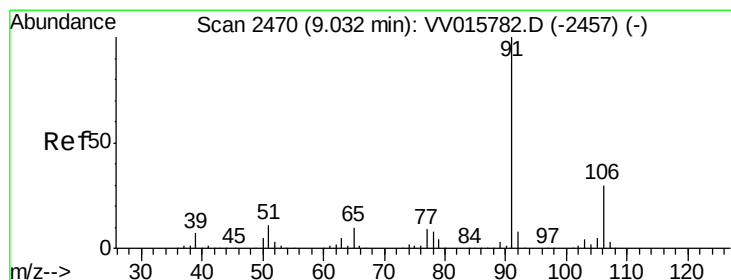
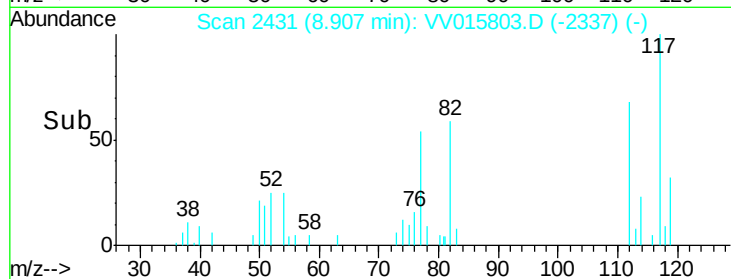
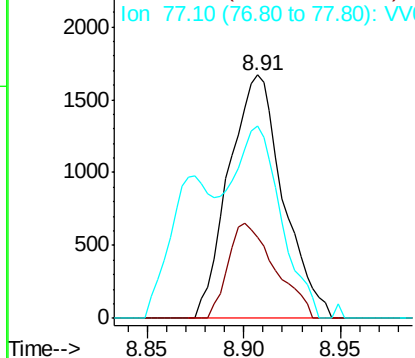
#51  
Chlorobenzene  
Concen: 0.120 ug/L  
RT: 8.91 min Scan# 2431  
Delta R.T. 0.00 min  
Lab File: VV015803.D  
Acq: 29 Apr 2020 19:23

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion:112 Resp: 3264  
Ion Ratio Lower Upper  
112 100  
114 33.3 21.6 40.2  
77 79.0 48.9 73.3#

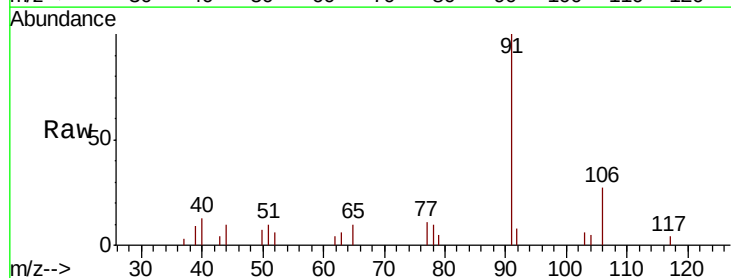


Abundance Ion 112.10 (111.80 to 112.80): V  
Ion 114.05 (113.75 to 114.75): V  
Ion 77.10 (76.80 to 77.80): V

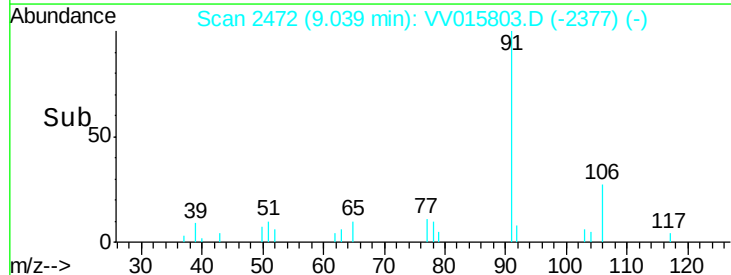
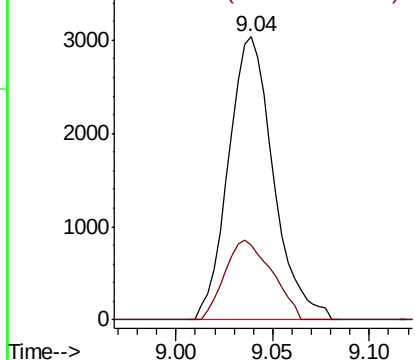


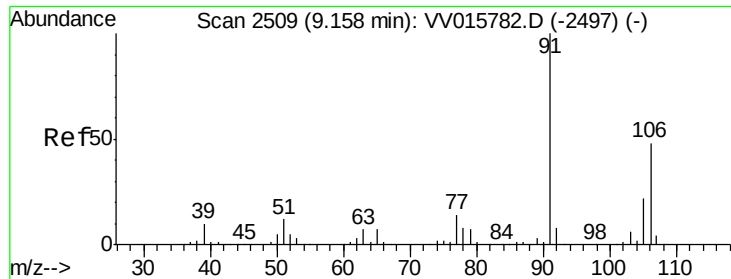
#52  
Ethylbenzene  
Concen: 0.102 ug/L  
RT: 9.04 min Scan# 2472  
Delta R.T. 0.01 min  
Lab File: VV015803.D  
Acq: 29 Apr 2020 19:23

Tgt Ion: 91 Resp: 4915  
Ion Ratio Lower Upper  
91 100  
106 26.6 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV0  
Ion 106.15 (105.85 to 106.85): V

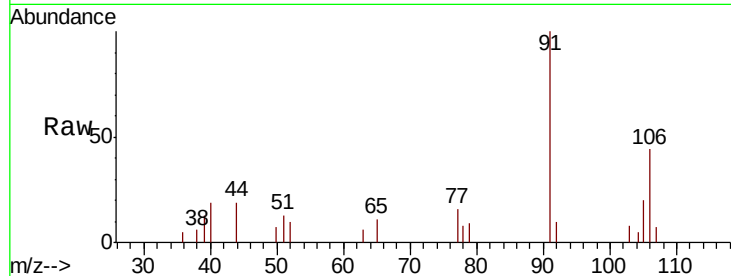




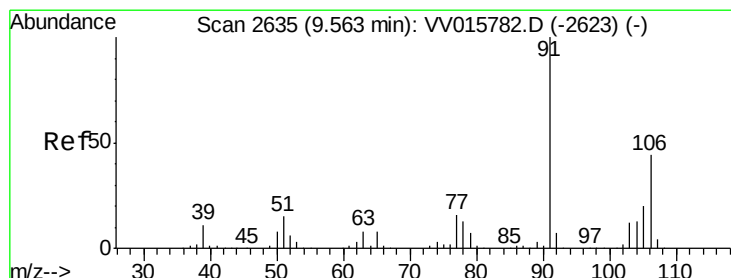
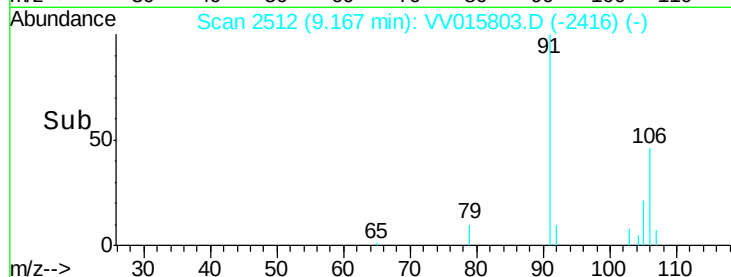
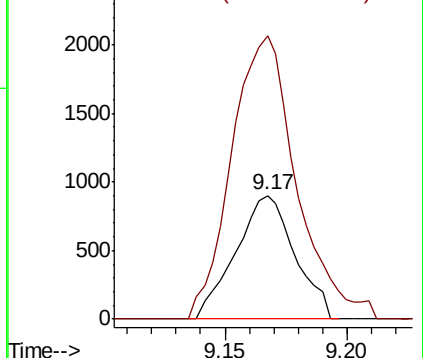
#53  
m,p-xylene  
Concen: 0.086 ug/L  
RT: 9.17 min Scan# 2512  
Delta R.T. 0.01 min  
Lab File: VV015803.D  
Acq: 29 Apr 2020 19:23

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion:106 Resp: 1511  
Ion Ratio Lower Upper  
106 100  
91 229.3 147.8 274.4

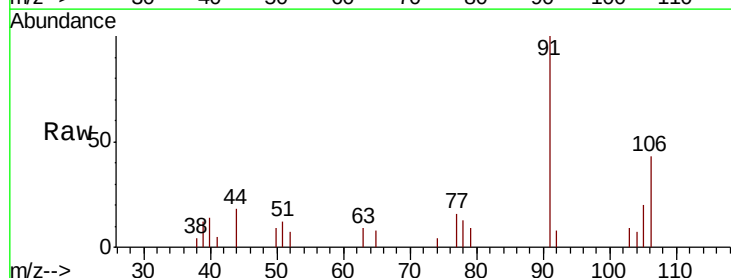


Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VV0

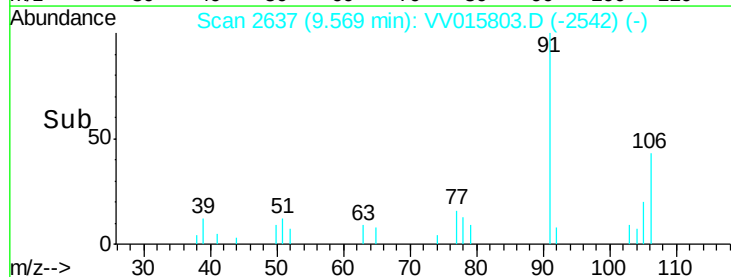
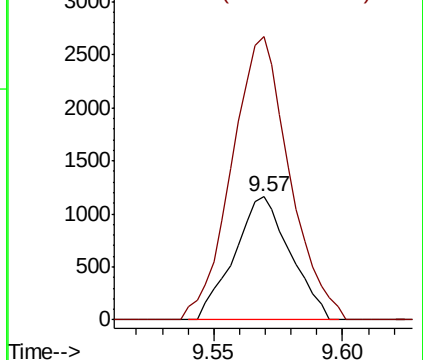


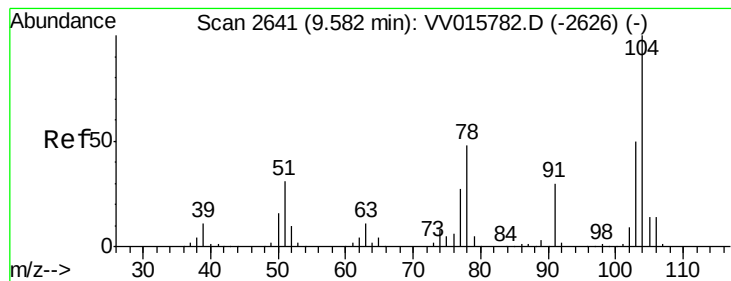
#54  
o-xylene  
Concen: 0.103 ug/L  
RT: 9.57 min Scan# 2637  
Delta R.T. 0.01 min  
Lab File: VV015803.D  
Acq: 29 Apr 2020 19:23

Tgt Ion:106 Resp: 1762  
Ion Ratio Lower Upper  
106 100  
91 230.1 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VV0





#55

Stvrene

Concen: 0.098 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

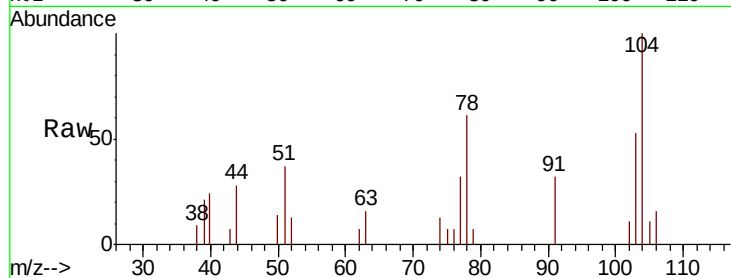
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion:104 Resp: 2838

Ion Ratio Lower Upper

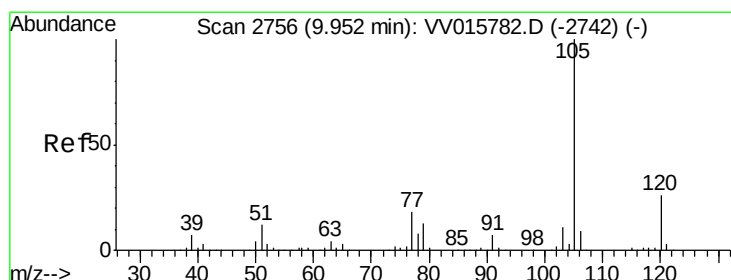
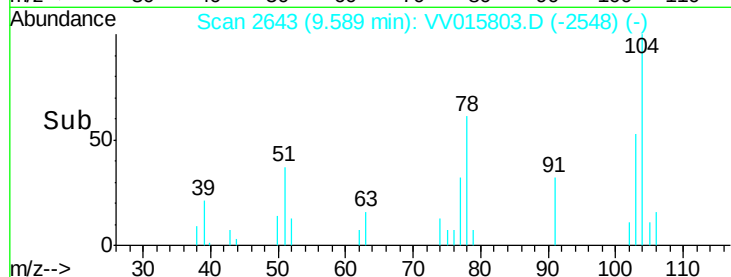
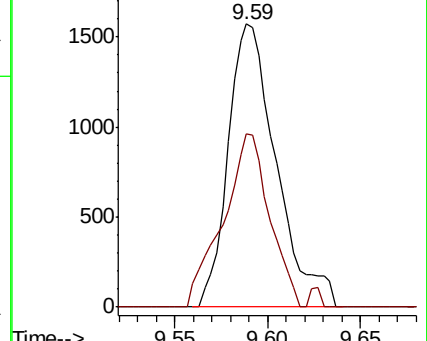
104 100

78 61.4 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#56

Isopropylbenzene

Concen: 0.090 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

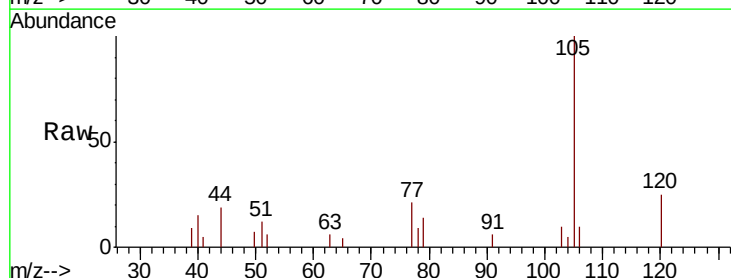
Tgt Ion:105 Resp: 4322

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

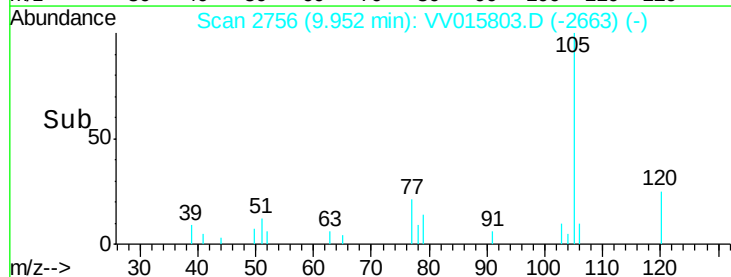
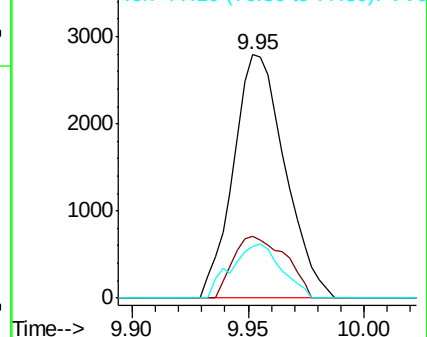
77 21.6 13.9 20.9#



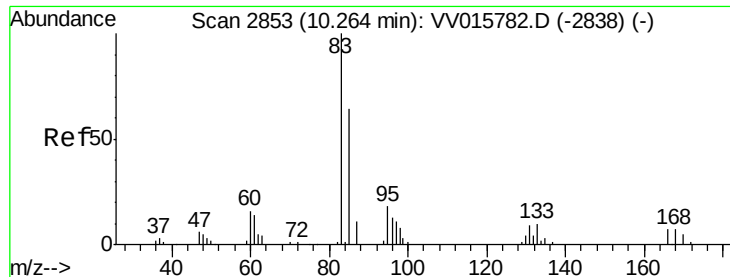
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0







#58

1,1,2,2-Tetrachloroethane

Concen: 0.152 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

Instrument :

MSVOA\_V

ClientSampled :

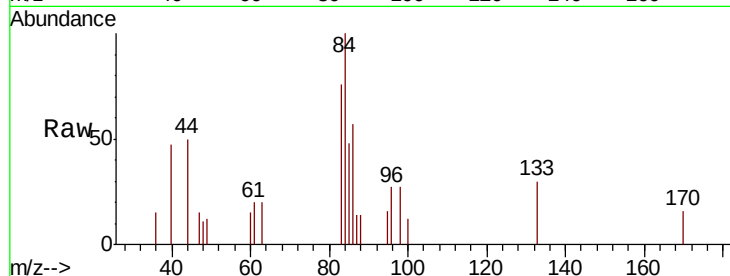
Tot Ion: 83 Resp: 1201

Ion Ratio Lower Upper

83 100

85 62.9 46.3 85.9

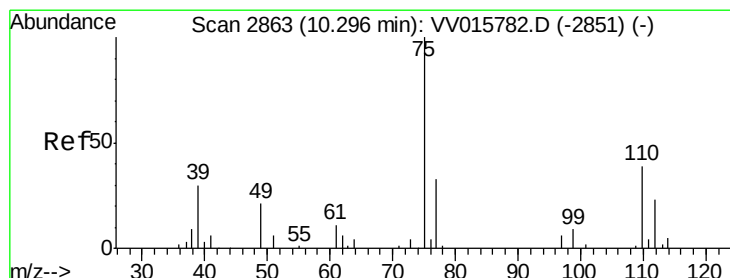
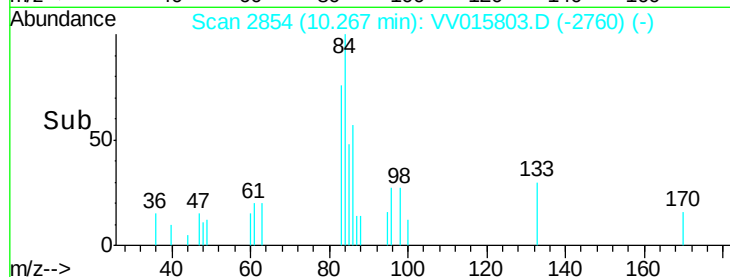
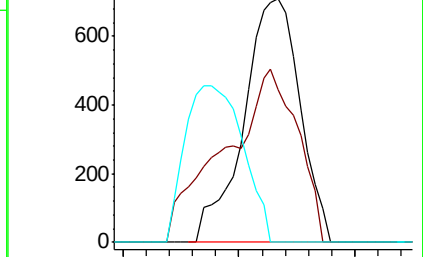
131 0.0 7.7 11.5#



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): VV0



#59

1,2,3-Trichloropropane

Concen: 0.142 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV015803.D

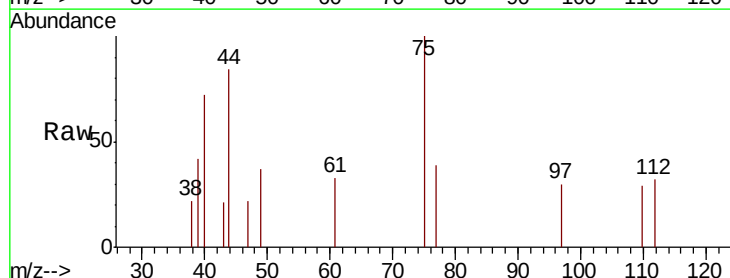
Acq: 29 Apr 2020 19:23

Tgt Ion: 75 Resp: 898

Ion Ratio Lower Upper

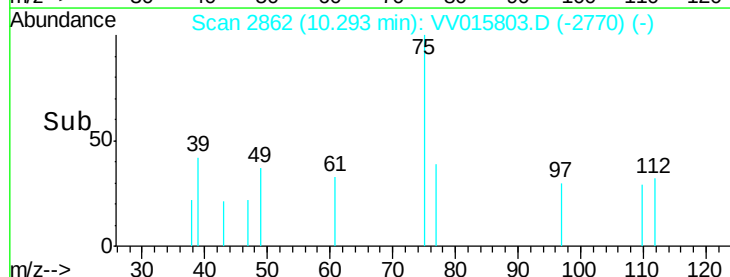
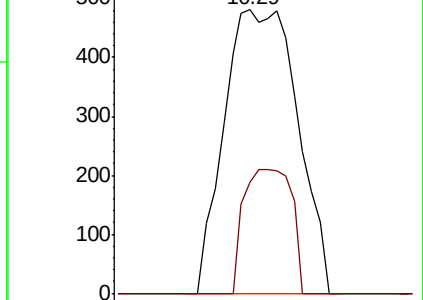
75 100

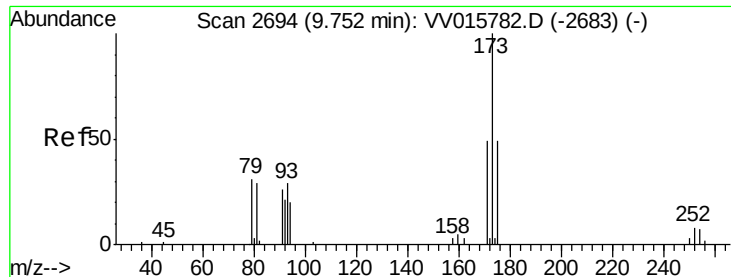
77 28.4 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#61

Bromoform

Concen: 0.118 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

Instrument :  
MSVOA\_V  
ClientSampleId :

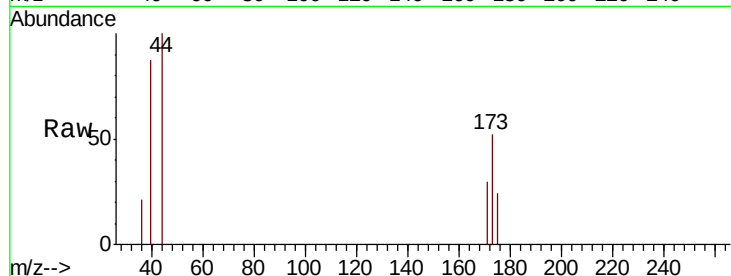
Tot Ion:173 Resp: 315

Ion Ratio Lower Upper

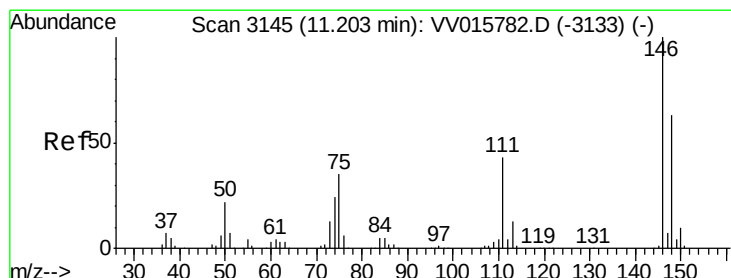
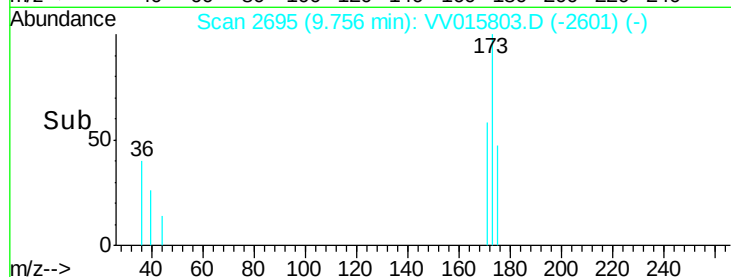
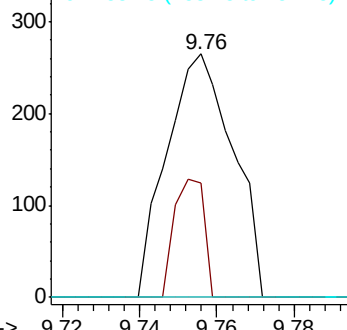
173 100

175 21.6 39.8 59.8#

254 0.0 5.8 8.8#



Abundance Ion 172.90 (172.60 to 173.60): V  
Ion 174.90 (174.60 to 175.60): V  
Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 0.122 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

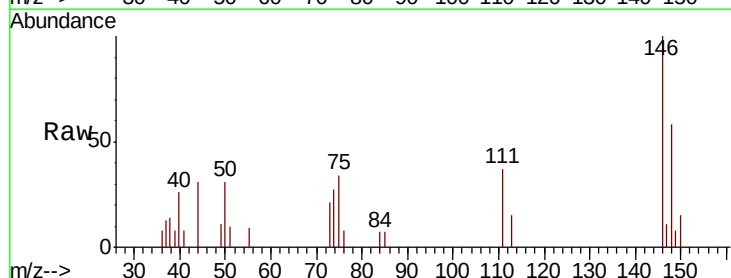
Tgt Ion:146 Resp: 2506

Ion Ratio Lower Upper

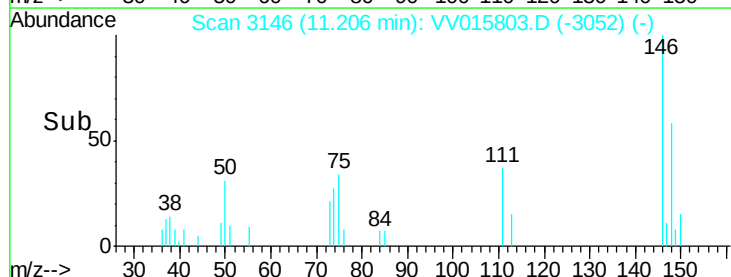
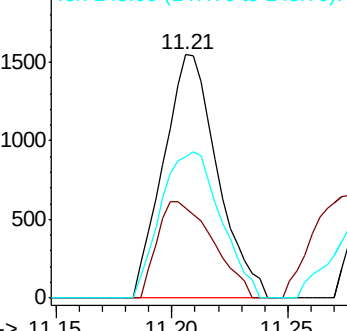
146 100

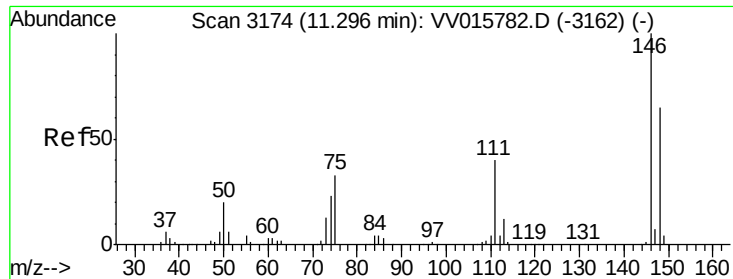
111 36.8 30.0 55.6

148 58.2 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V  
Ion 111.00 (110.70 to 111.70): V  
Ion 148.00 (147.70 to 148.70): V

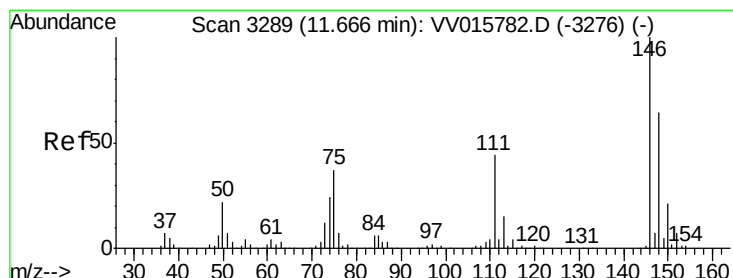
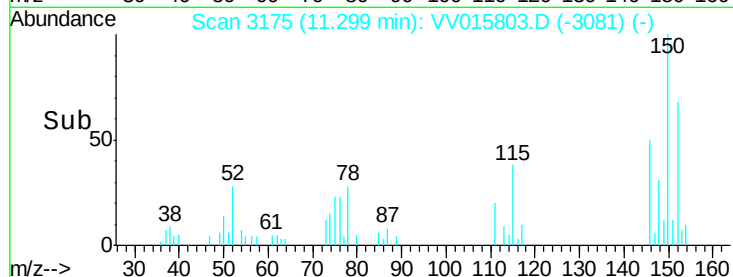
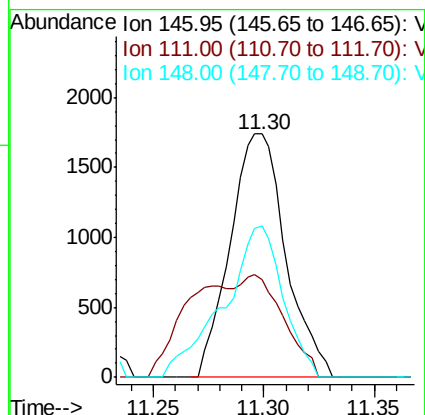
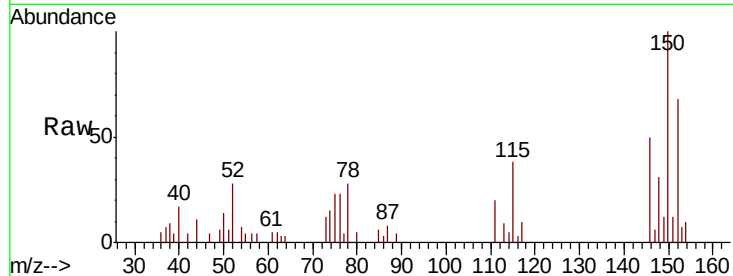




#63  
 1,4-Dichlorobenzene  
 Concen: 0.147 ug/L  
 RT: 11.30 min Scan# 3175  
 Delta R.T. 0.00 min  
 Lab File: VV015803.D  
 Acq: 29 Apr 2020 19:23

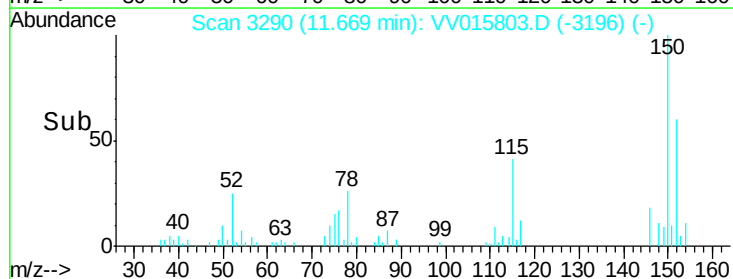
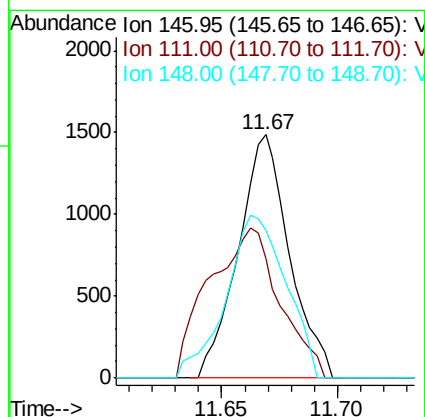
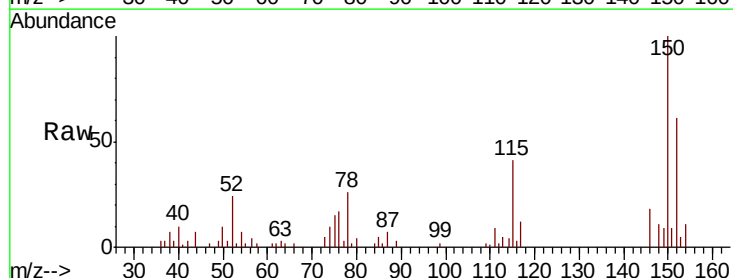
Instrument :  
 MSVOA\_V  
 ClientSampleId :

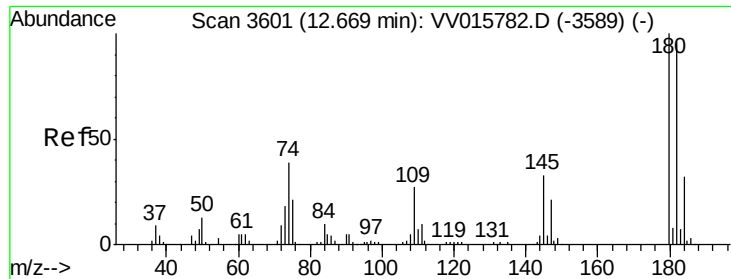
Tot Ion:146 Resp: 3036  
 Ion Ratio Lower Upper  
 146 100  
 111 40.1 28.2 52.4  
 148 62.1 45.7 84.9



#65  
 1,2-Dichlorobenzene  
 Concen: 0.123 ug/L  
 RT: 11.67 min Scan# 3290  
 Delta R.T. 0.00 min  
 Lab File: VV015803.D  
 Acq: 29 Apr 2020 19:23

Tgt Ion:146 Resp: 2282  
 Ion Ratio Lower Upper  
 146 100  
 111 49.0 34.7 52.1  
 148 60.7 51.3 76.9

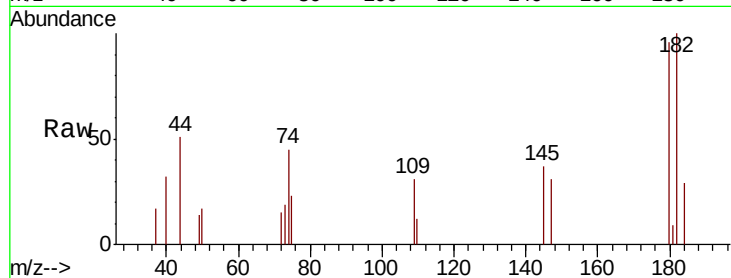




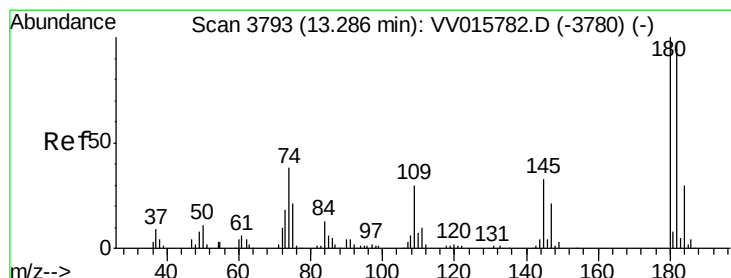
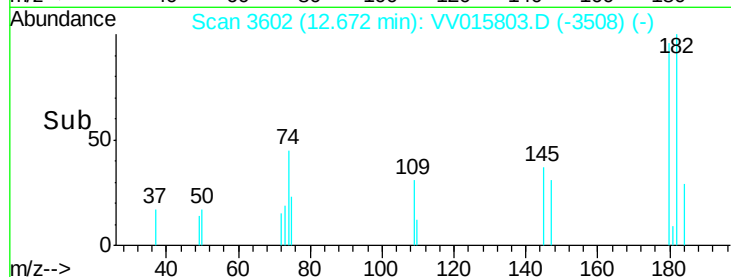
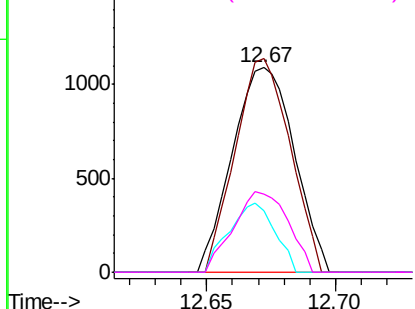
#67  
 1,3,5-Trichlorobenzene  
 Concen: 0.120 ug/L  
 RT: 12.67 min Scan# 3602  
 Delta R.T. 0.00 min  
 Lab File: VV015803.D  
 Acq: 29 Apr 2020 19:23

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion:180 Resp: 1824  
 Ion Ratio Lower Upper  
 180 100  
 182 92.5 78.2 117.4  
 184 25.2 25.0 37.4  
 145 34.7 26.4 39.6

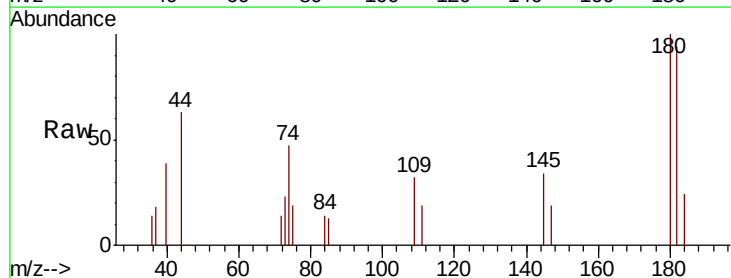


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 184.00 (183.70 to 184.70): V  
 Ion 145.00 (144.70 to 145.70): V

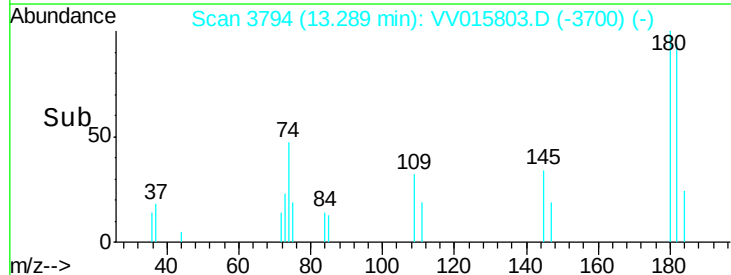
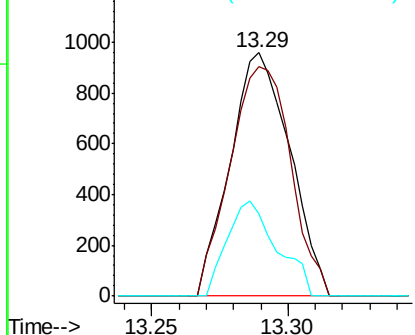


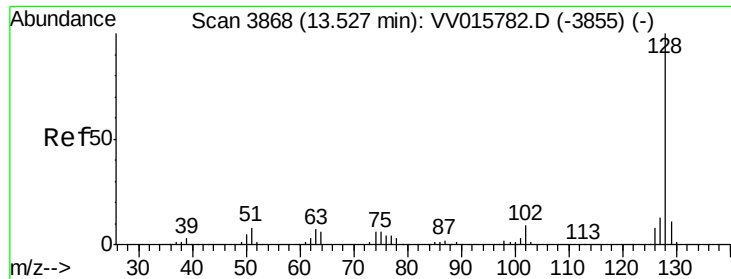
#68  
 1,2,4-trichlorobenzene  
 Concen: 0.105 ug/L  
 RT: 13.29 min Scan# 3794  
 Delta R.T. 0.00 min  
 Lab File: VV015803.D  
 Acq: 29 Apr 2020 19:23

Tgt Ion:180 Resp: 1458  
 Ion Ratio Lower Upper  
 180 100  
 182 95.8 74.8 112.2  
 145 32.9 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.091 ug/L

RT: 13.53 min Scan# 3870

Delta R.T. 0.01 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

Instrument :

MSVOA\_V

ClientSampleId :

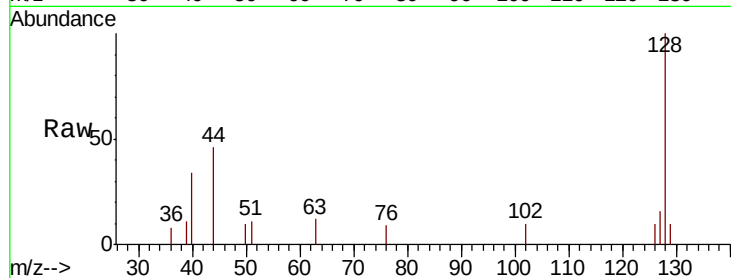
Tot Ion:128 Resp: 2282

Ion Ratio Lower Upper

128 100

129 5.5 8.4 12.6#

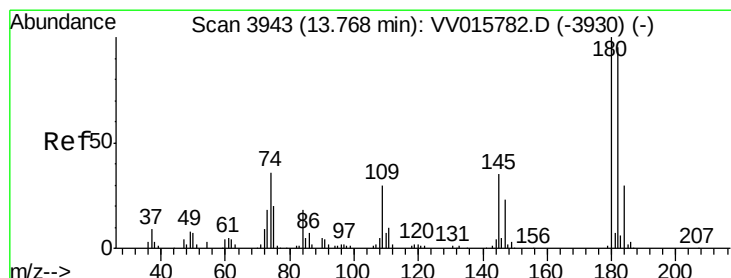
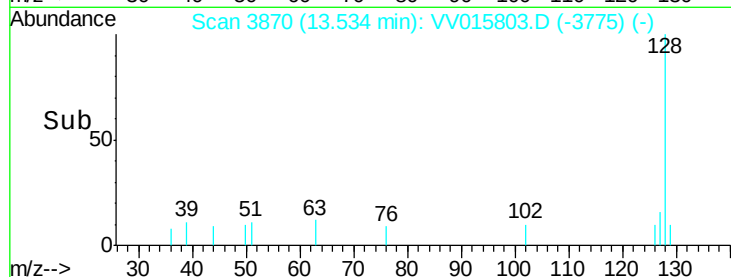
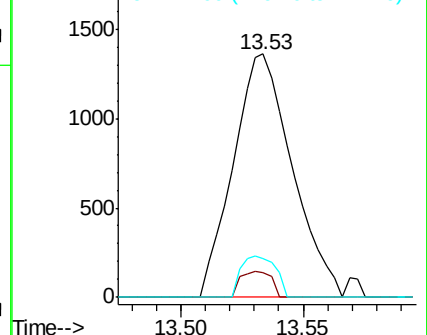
127 9.8 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.106 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015803.D

Acq: 29 Apr 2020 19:23

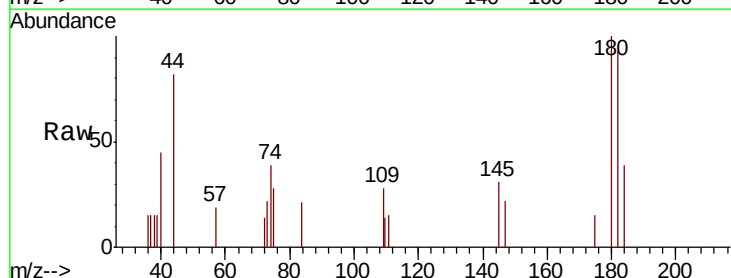
Tgt Ion:180 Resp: 1298

Ion Ratio Lower Upper

180 100

182 98.5 74.8 112.2

145 34.7 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

