

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\  
 Data File : VV015795.D  
 Acq On : 29 Apr 2020 16:15  
 Operator : SY/MD  
 Sample : L2421-15  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFSB9

Quant Time: Apr 30 01:40:25 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  | 123289   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 121660   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 56246    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

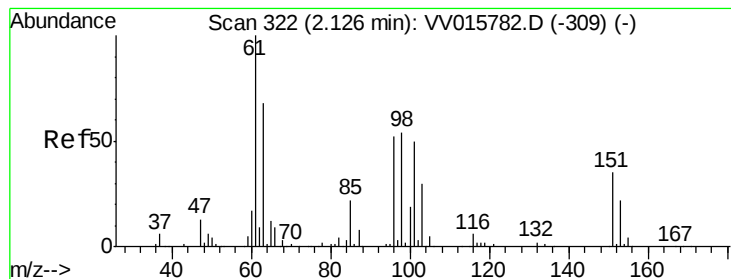
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 39526    | 6.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 122.80% |
| 7) Chloroethane-d5             | 1.58   | 69    | 35581    | 5.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 114.60% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 57347    | 4.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 81.40%  |
| 20) 2-Butanone-d5              | 3.91   | 46    | 96406    | 46.60    | ug/L | -0.04   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 93.20%  |
| 24) Chloroform-d               | 4.38   | 84    | 65051    | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 43140    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.60% |
| 32) Benzene-d6                 | 5.08   | 84    | 146329   | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.80% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 45851    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.80%  |
| 41) Toluene-d8                 | 7.34   | 98    | 128608   | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.20%  |
| 43) trans-1,3-Dichloropropene- | 7.64   | 79    | 14671    | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.80%  |
| 46) 2-Hexanone-d5              | 8.11   | 63    | 67017    | 38.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 76.60%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 29685    | 4.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 86.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 47741    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.80%  |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|------|------|----------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101  | 608      | 0.078 | ug/L # | 22     |
| 13) Acetone                    | 2.18 | 43   | 4034     | 2.808 | ug/L   | 96     |
| 22) cis-1,2-Dichloroethene     | 3.94 | 96   | 1179     | 0.133 | ug/L   | 73     |
| 25) Chloroform                 | 4.40 | 83   | 11506    | 0.687 | ug/L   | 98     |
| 34) Trichloroethene            | 5.95 | 95   | 2238     | 0.233 | ug/L   | 93     |
| 35) Methylcyclohexane          | 6.09 | 83   | 11518    | 0.782 | ug/L # | 16     |
| 37) 1,2-Dichloropropane        | 6.09 | 63   | 5780     | 0.654 | ug/L # | 86     |
| 39) cis-1,3-Dichloropropene    | 7.01 | 75   | 1610     | 0.131 | ug/L   | 91     |
| 44) trans-1,3-Dichloropropene  | 7.64 | 75   | 959      | 0.093 | ug/L   | 88     |
| 47) Tetrachloroethene          | 8.00 | 164  | 731      | 0.106 | ug/L   | 90     |
| 48) 2-Hexanone                 | 8.17 | 43   | 5449     | 1.333 | ug/L # | 97     |
| 49) Dibromochloromethane       | 8.00 | 129  | 642      | 0.103 | ug/L # | 12     |

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





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.078 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015795.D

Acq: 29 Apr 2020 16:15

Instrument :

MSVOA\_V

ClientSampleId :

BFSB9

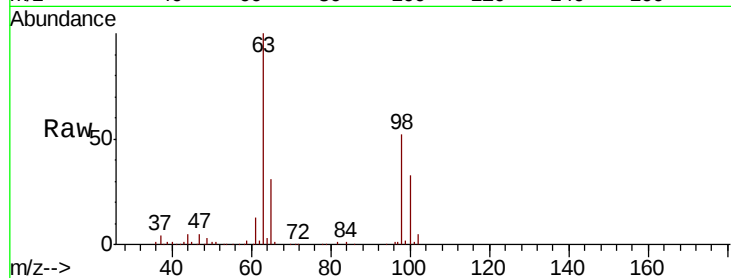
Tot Ion:101 Resp: 608

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

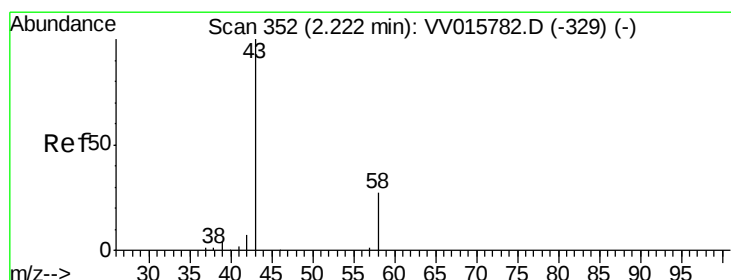
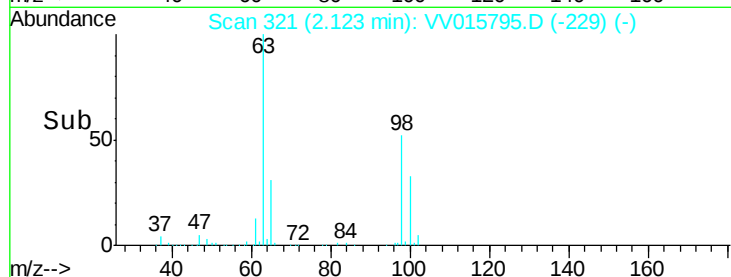
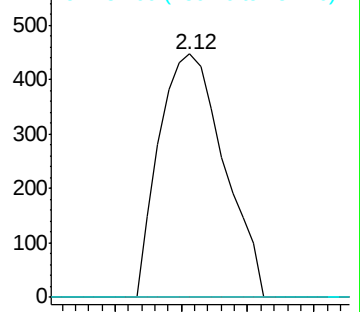
151 0.0 55.2 82.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.808 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.04 min

Lab File: VV015795.D

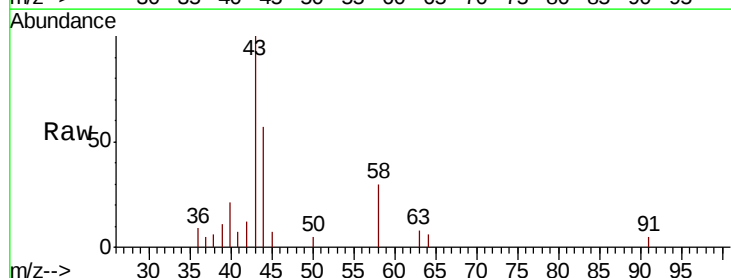
Acq: 29 Apr 2020 16:15

Tgt Ion: 43 Resp: 4034

Ion Ratio Lower Upper

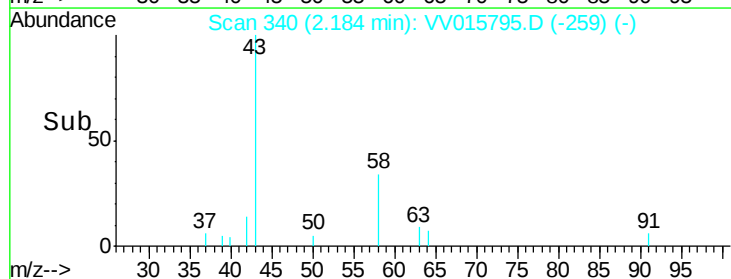
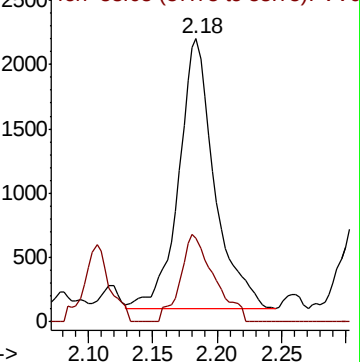
43 100

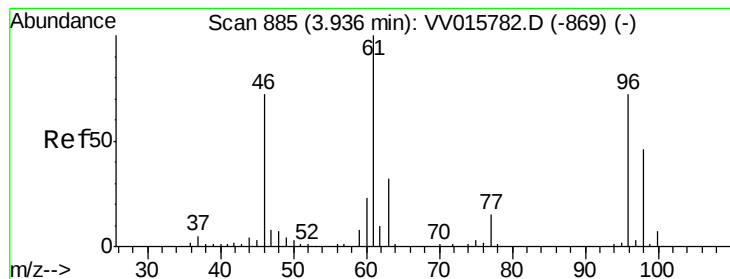
58 30.7 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 0.133 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV015795.D

Acq: 29 Apr 2020 16:15

Instrument :

MSVOA\_V

ClientSampleId :

BFSB9

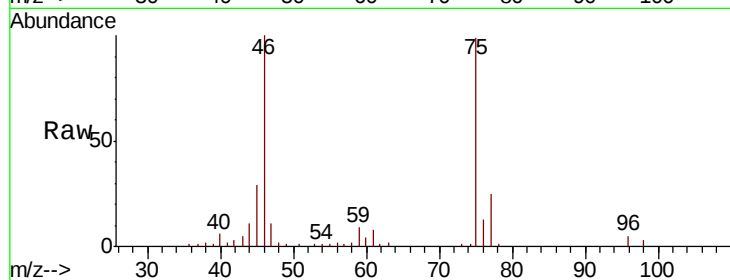
Tot Ion: 96 Resp: 1179

Ion Ratio Lower Upper

96 100

61 169.7 96.4 179.0

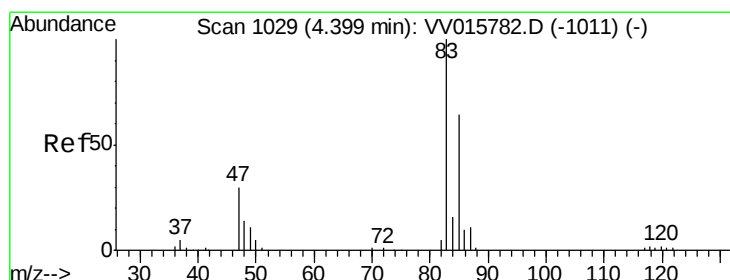
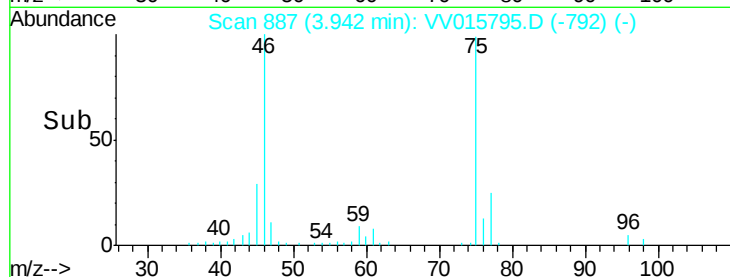
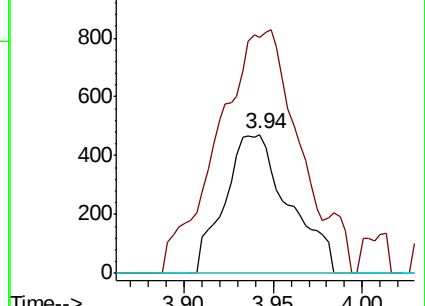
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015782.D (-869) (-)

Ion 61.05 (60.75 to 61.75): VV015782.D (-869) (-)

Ion 68.15 (67.85 to 68.85): VV015782.D (-869) (-)



#25

Chloroform

Concen: 0.687 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV015795.D

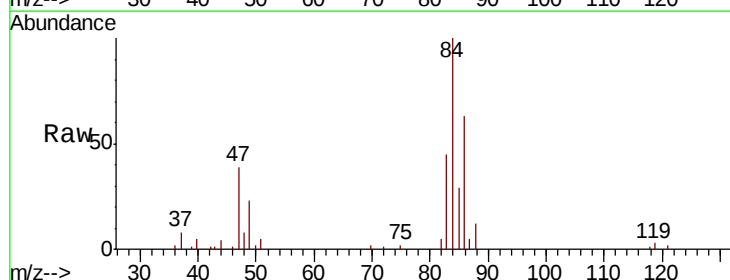
Acq: 29 Apr 2020 16:15

Tgt Ion: 83 Resp: 11506

Ion Ratio Lower Upper

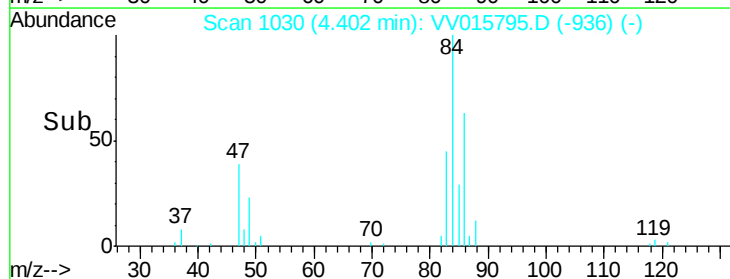
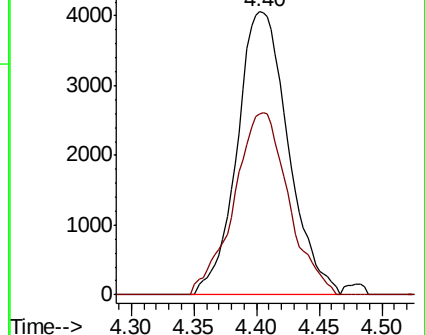
83 100

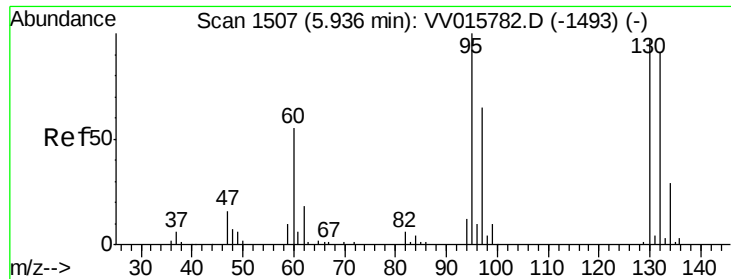
85 64.0 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV015782.D (-1011) (-)

Ion 85.00 (84.70 to 85.70): VV015782.D (-1011) (-)





#34

Trichloroethene

Concen: 0.233 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV015795.D

Acq: 29 Apr 2020 16:15

Instrument :

MSVOA\_V

ClientSampleId :

BFSB9

Tot Ion: 95 Resp: 2238

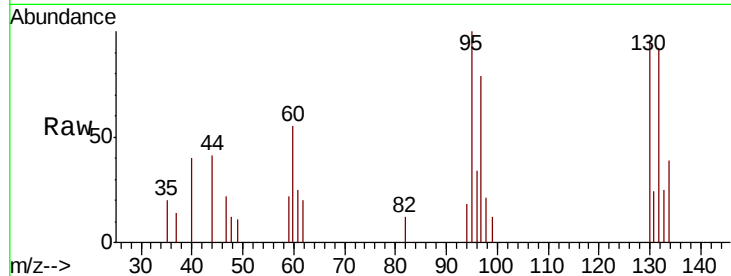
Ion Ratio Lower Upper

95 100

97 79.3 44.7 82.9

132 91.6 65.2 121.0

130 96.4 65.0 120.6



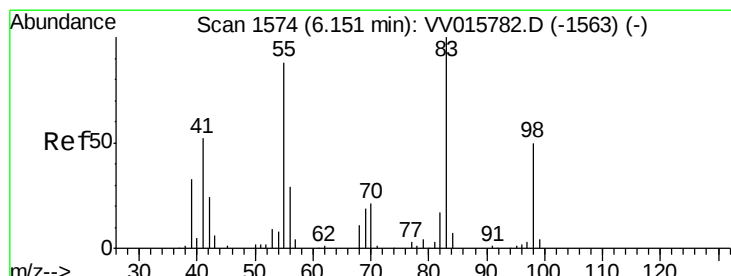
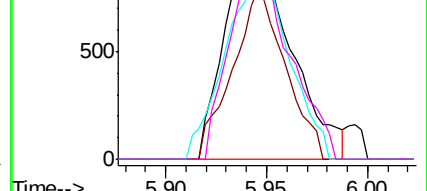
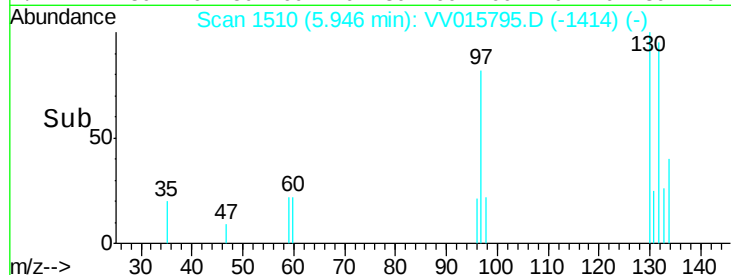
Abundance Ion 95.00 (94.70 to 95.70): VV015782.D (-1493) (-)

Ion 96.95 (96.65 to 97.65): VV015782.D (-1493) (-)

Ion 131.95 (131.65 to 132.65): VV015782.D (-1493) (-)

Ion 129.95 (129.65 to 130.65): VV015782.D (-1493) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.782 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015795.D

Acq: 29 Apr 2020 16:15

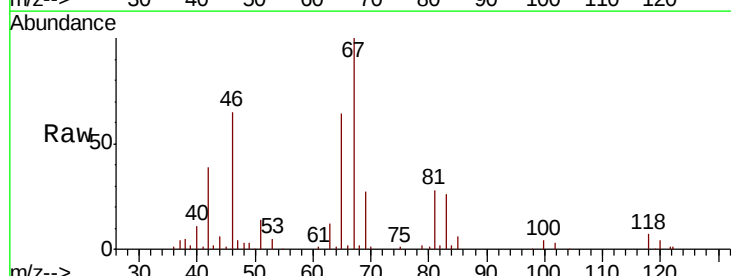
Tgt Ion: 83 Resp: 11518

Ion Ratio Lower Upper

83 100

55 0.3 66.6 99.8#

98 0.4 39.5 59.3#

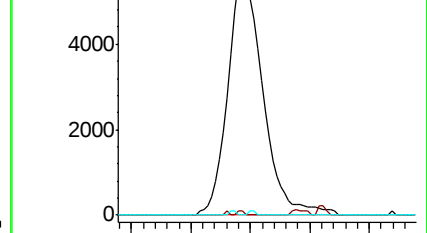
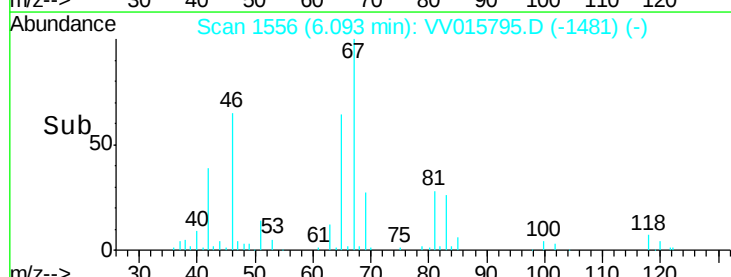


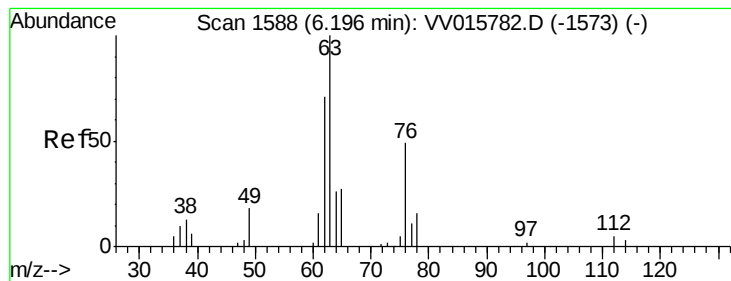
Abundance Ion 83.15 (82.85 to 83.85): VV015782.D (-1563) (-)

Ion 55.10 (54.80 to 55.80): VV015782.D (-1563) (-)

Ion 98.15 (97.85 to 98.85): VV015782.D (-1563) (-)

Time-->





#37

1,2-Dichloropropane

Concen: 0.654 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV015795.D

Acq: 29 Apr 2020 16:15

Instrument :

MSVOA\_V

ClientSampleId :

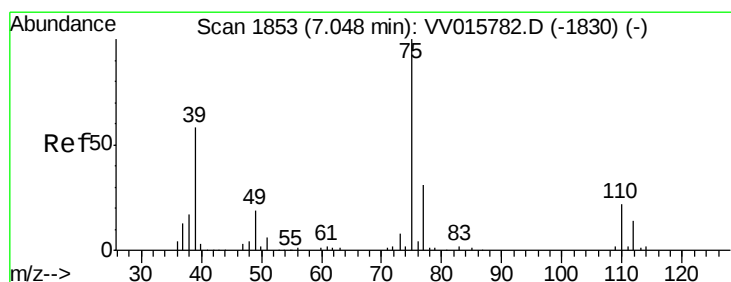
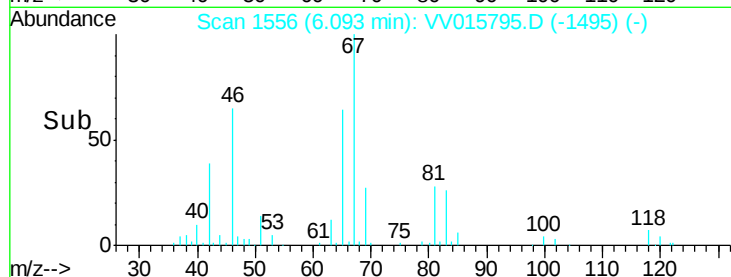
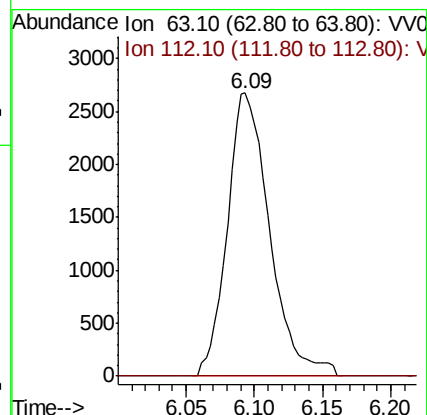
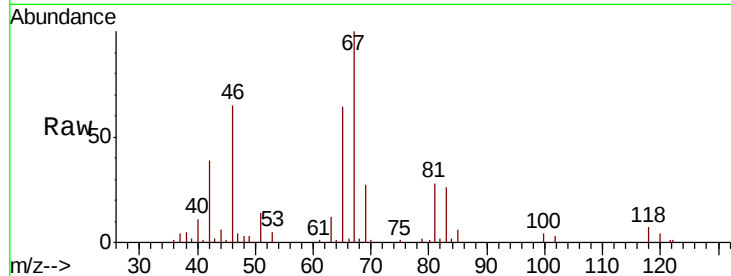
BFSB9

Tot Ion: 63 Resp: 5780

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



#39

cis-1,3-Dichloropropene

Concen: 0.131 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV015795.D

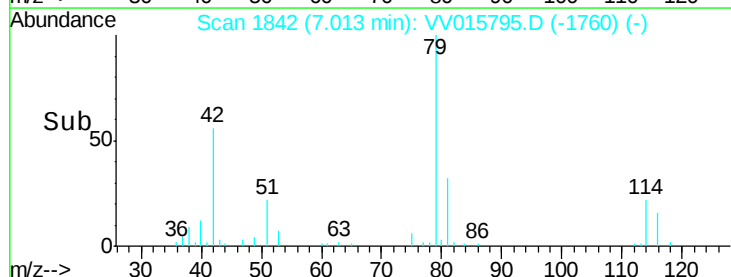
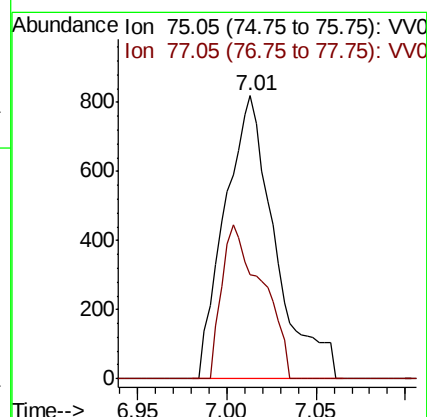
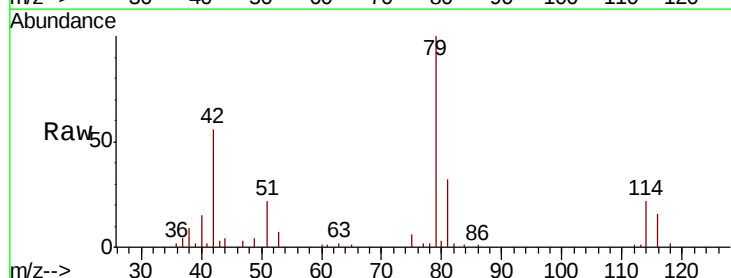
Acq: 29 Apr 2020 16:15

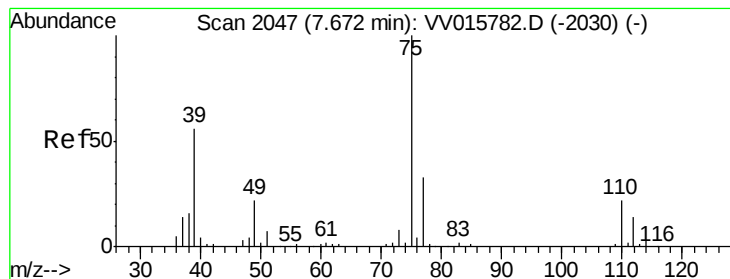
Tgt Ion: 75 Resp: 1610

Ion Ratio Lower Upper

75 100

77 37.0 22.3 41.5





#44

trans-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015795.D

Acq: 29 Apr 2020 16:15

Instrument :

MSVOA\_V

ClientSampleId :

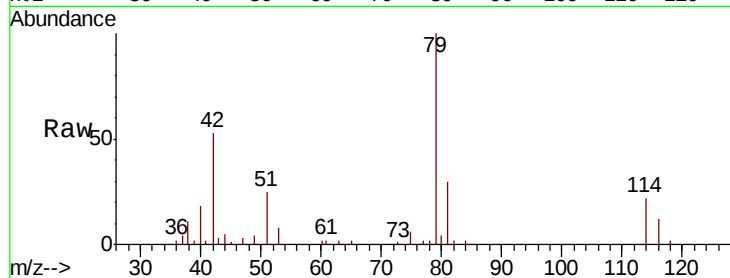
BFSB9

Tot Ion: 75 Resp: 959

Ion Ratio Lower Upper

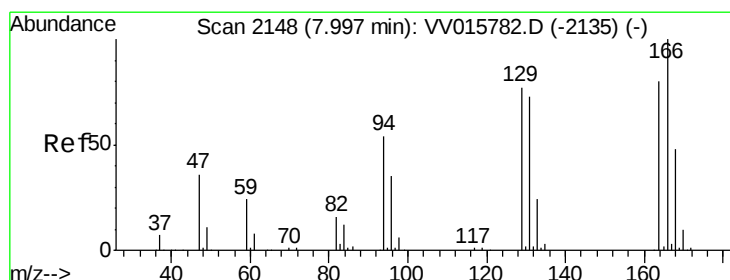
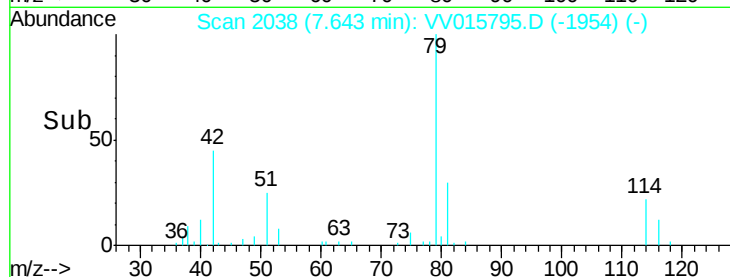
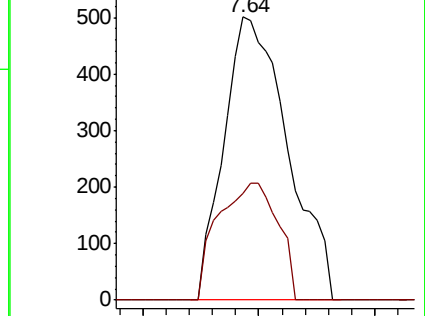
75 100

77 37.7 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV015782.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015782.D (-2030) (-)



#47

Tetrachloroethene

Concen: 0.106 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV015795.D

Acq: 29 Apr 2020 16:15

Tgt Ion: 164 Resp: 731

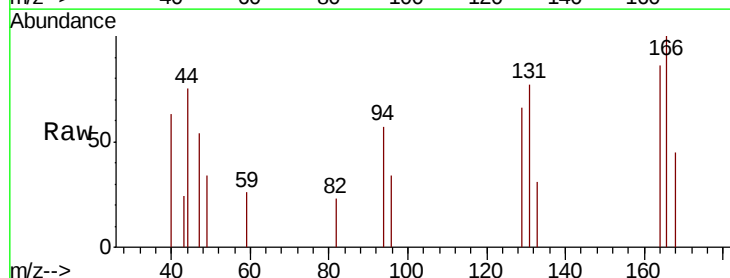
Ion Ratio Lower Upper

164 100

129 77.2 66.7 123.9

131 89.3 66.6 123.6

166 116.1 85.3 158.5

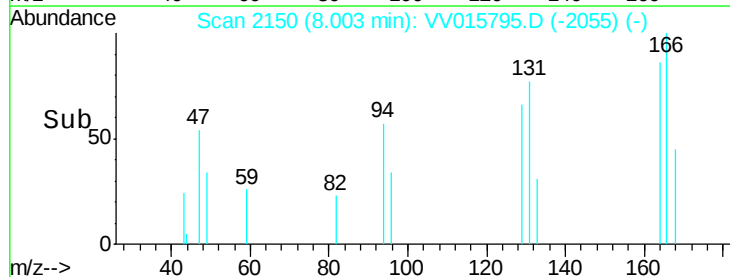
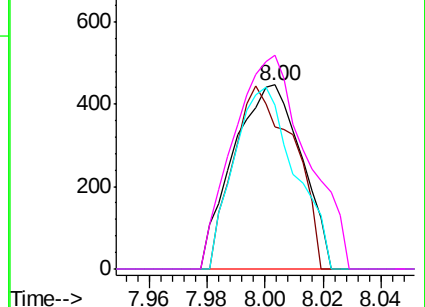


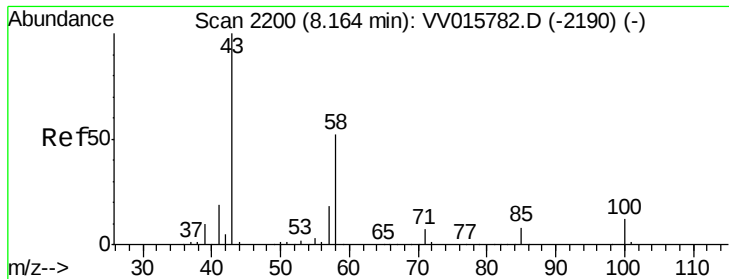
Abundance Ion 163.90 (163.60 to 164.60): VV015782.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV015782.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV015782.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV015782.D (-2135) (-)

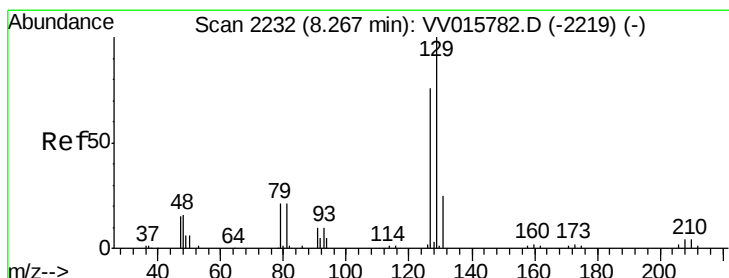
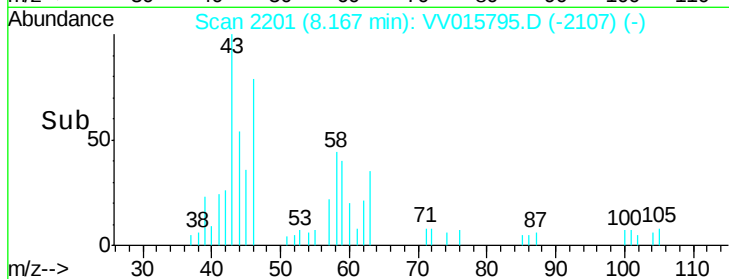
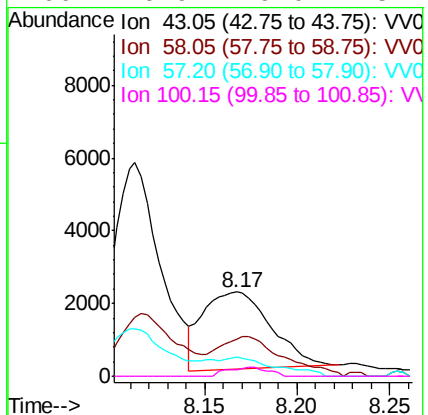
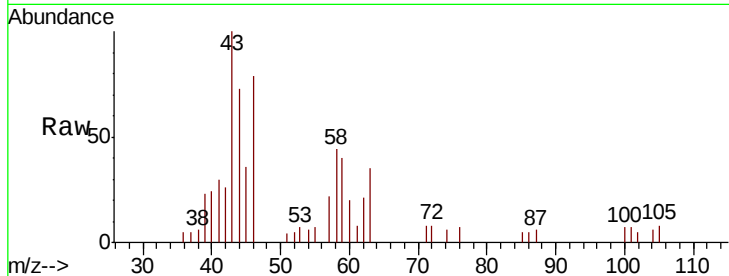




#48  
2-Hexanone  
Concen: 1.333 ug/L  
RT: 8.17 min Scan# 2201  
Delta R.T. 0.00 min  
Lab File: VV015795.D  
Acq: 29 Apr 2020 16:15

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFSB9

Tot Ion: 43 Resp: 5449  
Ion Ratio Lower Upper  
43 100  
58 49.8 41.1 61.7  
57 18.8 15.0 22.4  
100 6.9 9.0 13.4#



#49  
Dibromochloromethane  
Concen: 0.103 ug/L  
RT: 8.00 min Scan# 2148  
Delta R.T. -0.27 min  
Lab File: VV015795.D  
Acq: 29 Apr 2020 16:15

Tgt Ion: 129 Resp: 642  
Ion Ratio Lower Upper  
129 100  
127 0.0 52.6 97.8#

