

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041423\  
 Data File : VW030570.D  
 Acq On : 14 Apr 2023 14:02  
 Operator : SY/MD  
 Sample : 02275-14DL 100X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BHDZ9DL

Quant Time: Apr 15 02:00:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Apr 15 01:54:33 2023  
 Response via : Initial Calibration

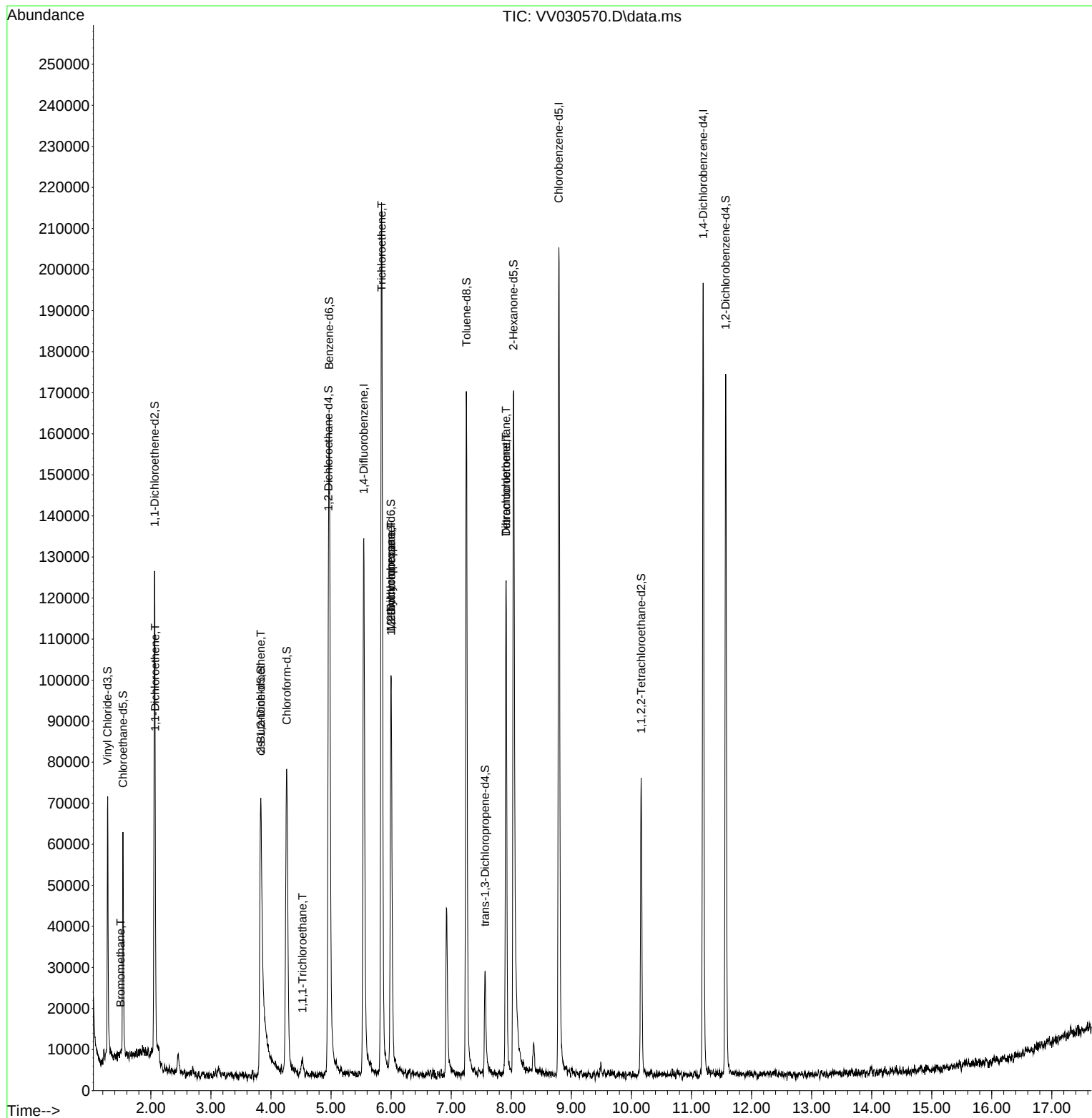
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.545  | 114            | 112856   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117            | 112017   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152            | 50993    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65             | 40468    | 5.414  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 108.200% |          |
| 7) Chloroethane-d5            | 1.535  | 69             | 32865    | 4.531  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 90.600%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.063  | 63             | 64047    | 3.611  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 72.200%  |          |
| 20) 2-Butanone-d5             | 3.831  | 46             | 74215    | 38.415 | ug/L     | 0.02     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 76.820%  |          |
| 24) Chloroform-d              | 4.262  | 84             | 78405    | 4.334  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 86.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.957  | 65             | 42272    | 4.953  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 99.000%  |          |
| 32) Benzene-d6                | 4.969  | 84             | 136938   | 4.338  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 86.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67             | 43327    | 4.384  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 87.600%  |          |
| 41) Toluene-d8                | 7.252  | 98             | 111926   | 3.861  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 77.200%  |          |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79             | 16504    | 4.436  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 88.800%  |          |
| 46) 2-Hexanone-d5             | 8.037  | 63             | 65049    | 43.507 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 87.020%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84             | 32324    | 4.150  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 83.000%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152            | 43567    | 4.780  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 95.600%  |          |
| Target Compounds              |        |                |          |        |          |          |
| 6) Bromomethane               | 1.494  | 94             | 404      | 0.107  | ug/L     | 95       |
| 12) 1,1-Dichloroethene        | 2.072  | 96             | 2370     | 0.251  | ug/L #   | 1        |
| 22) cis-1,2-Dichloroethene    | 3.828  | 96             | 22229    | 2.230  | ug/L     | 99       |
| 29) 1,1,1-Trichloroethane     | 4.526  | 97             | 2803     | 0.156  | ug/L     | 91       |
| 34) Trichloroethene           | 5.841  | 95             | 73718    | 6.870  | ug/L     | 99       |
| 35) Methylcyclohexane         | 5.998  | 83             | 11353    | 0.674  | ug/L #   | 18       |
| 37) 1,2-Dichloropropane       | 6.002  | 63             | 5714     | 0.559  | ug/L #   | 87       |
| 47) Tetrachloroethene         | 7.915  | 164            | 26429    | 2.791  | ug/L     | 97       |
| 49) Dibromochloromethane      | 7.915  | 129            | 22835    | 2.667  | ug/L #   | 12       |

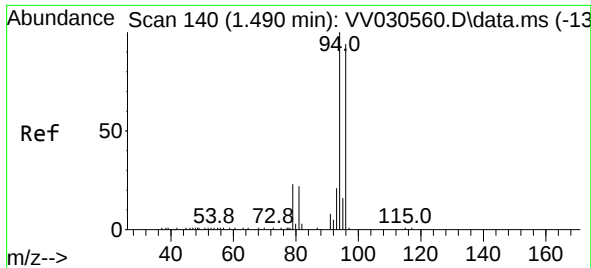
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV041423\  
Data File : VV030570.D  
Acq On : 14 Apr 2023 14:02  
Operator : SY/MD  
Sample : 02275-14DL 100X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHDZ9DL

Quant Time: Apr 15 02:00:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032323WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Apr 15 01:54:33 2023  
Response via : Initial Calibration





#6

Bromomethane

Concen: 0.107 ug/L

RT: 1.494 min Scan# 140

Delta R.T. 0.003 min

Lab File: VV030570.D

Acq: 14 Apr 2023 14:02

Instrument :

MSVOA\_V

ClientSampleId :

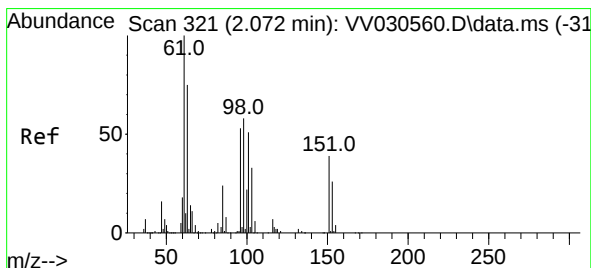
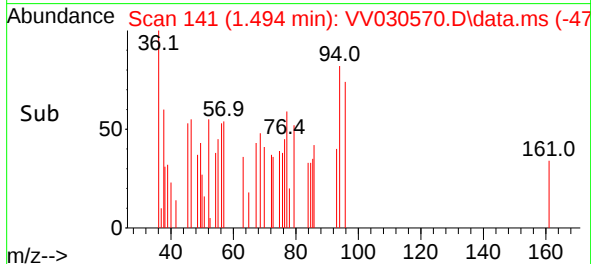
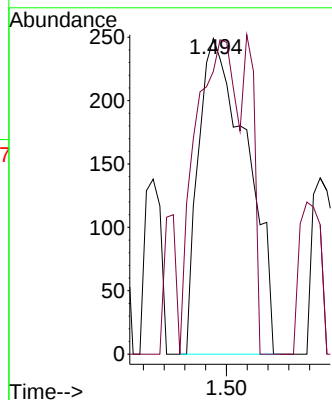
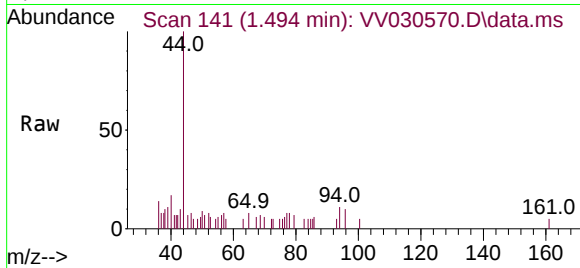
BHDZ9DL

Tgt Ion: 94 Resp: 404

Ion Ratio Lower Upper

94 100

96 89.6 66.1 122.7



#12

1,1-Dichloroethene

Concen: 0.251 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV030570.D

Acq: 14 Apr 2023 14:02

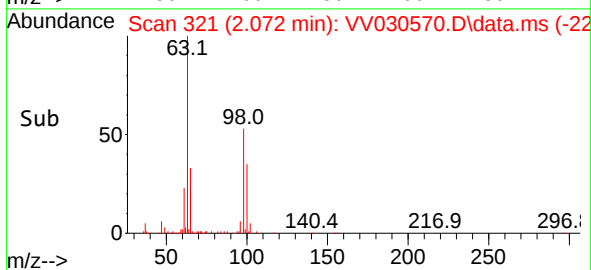
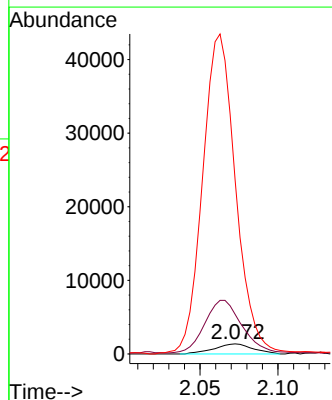
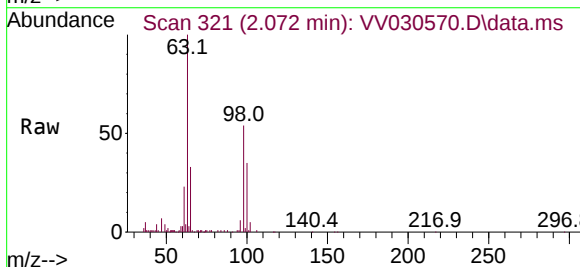
Tgt Ion: 96 Resp: 2370

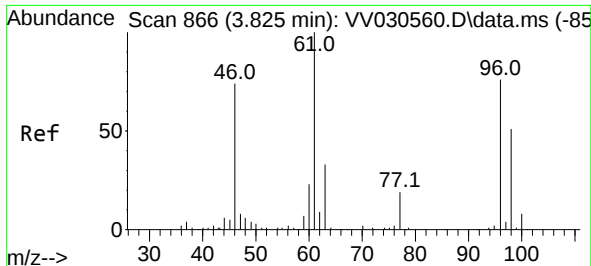
Ion Ratio Lower Upper

96 100

61 396.5 136.3 253.1#

63 1742.4 92.1 171.1#





#22

cis-1,2-Dichloroethene

Concen: 2.230 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.003 min

Lab File: VV030570.D

Acq: 14 Apr 2023 14:02

Instrument :

MSVOA\_V

ClientSampleId :

BHDZ9DL

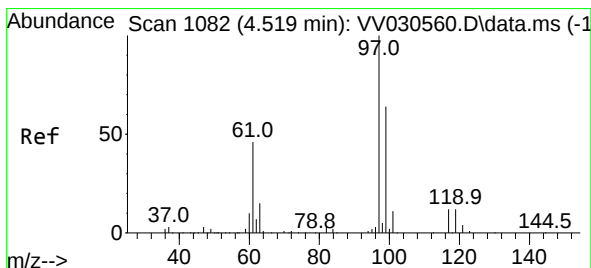
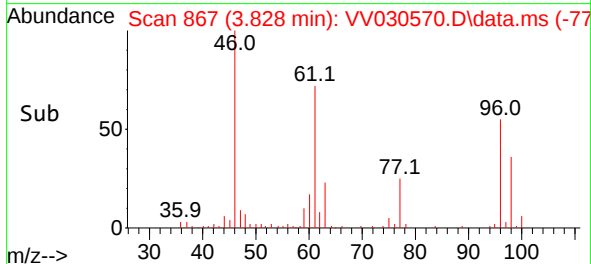
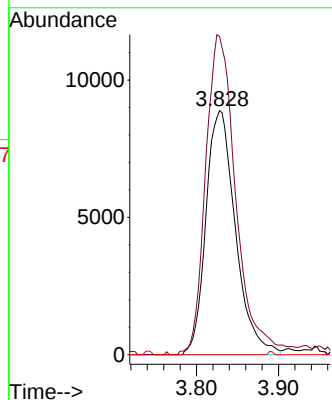
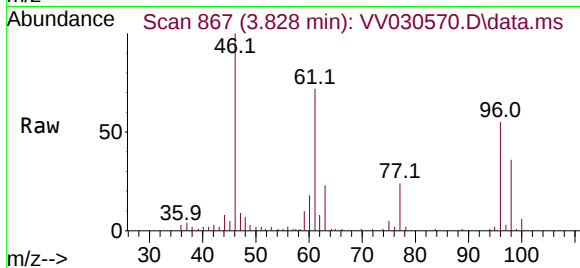
Tgt Ion: 96 Resp: 22229

Ion Ratio Lower Upper

96 100

61 130.4 92.0 170.8

68 0.0 0.0 0.0



#29

1,1,1-Trichloroethane

Concen: 0.156 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. 0.006 min

Lab File: VV030570.D

Acq: 14 Apr 2023 14:02

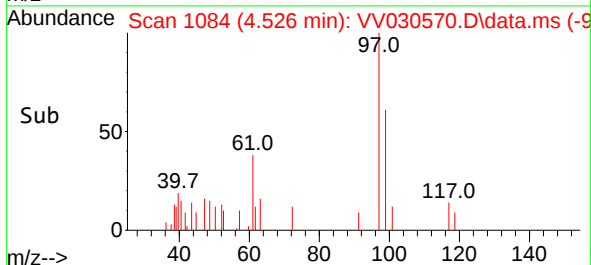
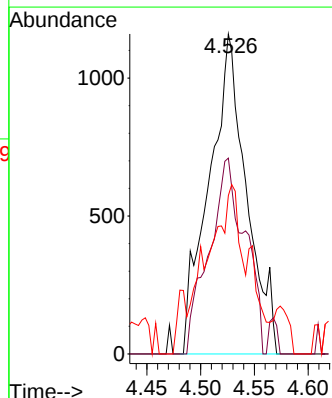
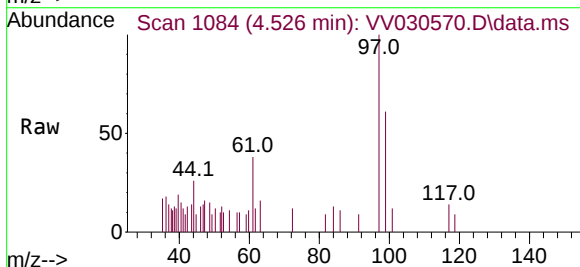
Tgt Ion: 97 Resp: 2803

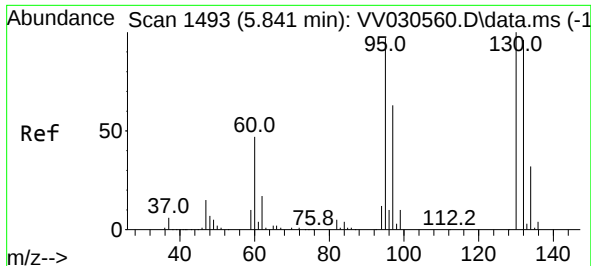
Ion Ratio Lower Upper

97 100

99 59.0 50.9 76.3

61 36.6 35.9 53.9



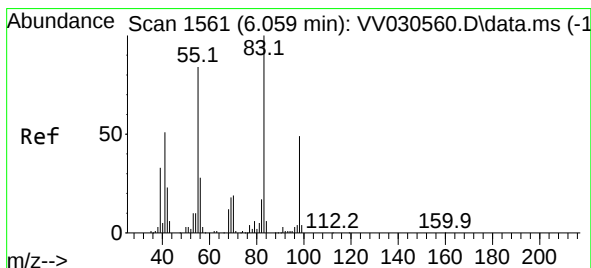
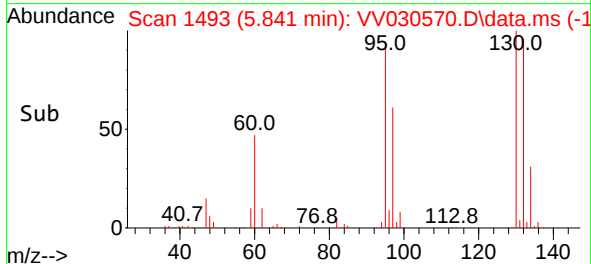
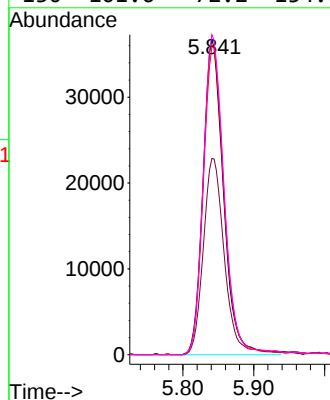
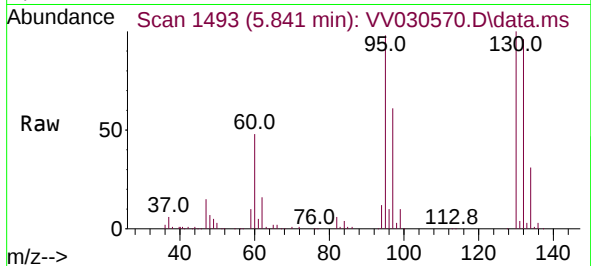


#34  
Trichloroethene  
Concen: 6.870 ug/L  
RT: 5.841 min Scan# 1493  
Delta R.T. 0.000 min  
Lab File: VV030570.D  
Acq: 14 Apr 2023 14:02

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHDZ9DL

Tgt Ion: 95 Resp: 73718

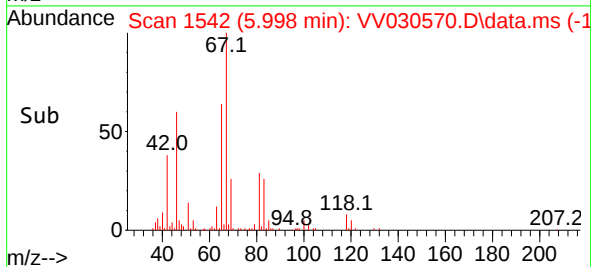
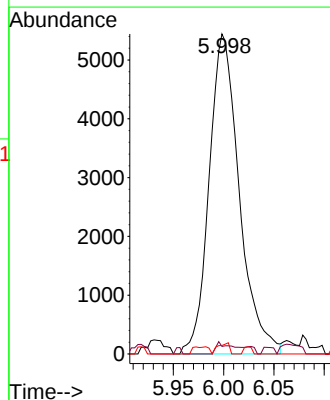
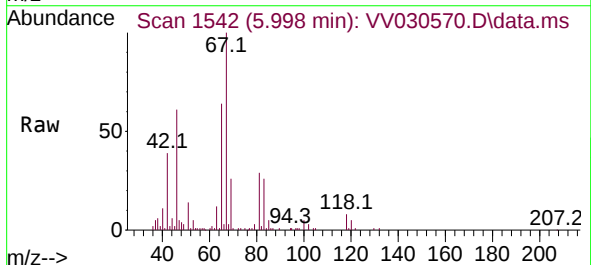
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.3  | 44.2  | 82.2  |
| 132 | 97.8  | 69.5  | 129.1 |
| 130 | 101.6 | 72.2  | 134.0 |

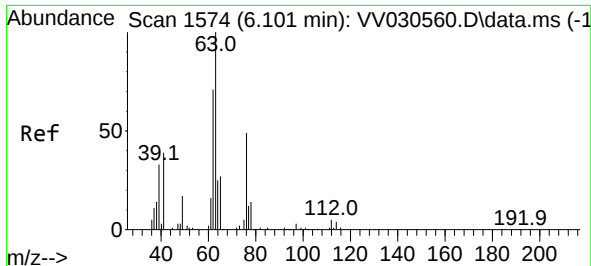


#35  
Methylcyclohexane  
Concen: 0.674 ug/L  
RT: 5.998 min Scan# 1542  
Delta R.T. -0.061 min  
Lab File: VV030570.D  
Acq: 14 Apr 2023 14:02

Tgt Ion: 83 Resp: 11353

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 83  | 100   |       |        |
| 55  | 2.2   | 66.6  | 100.0# |
| 98  | 1.3   | 38.6  | 58.0#  |

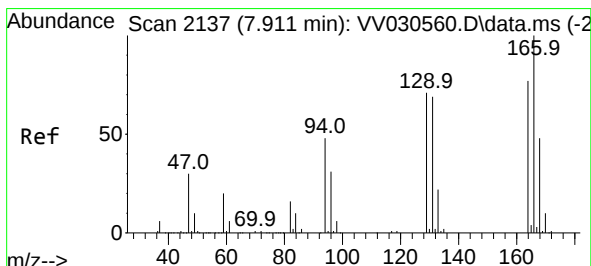
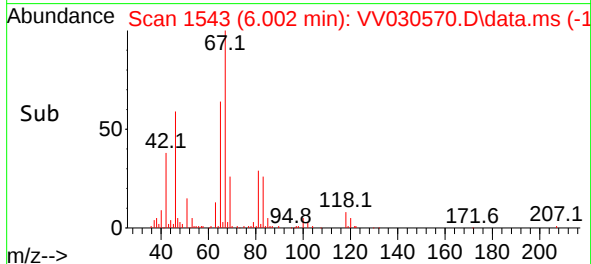
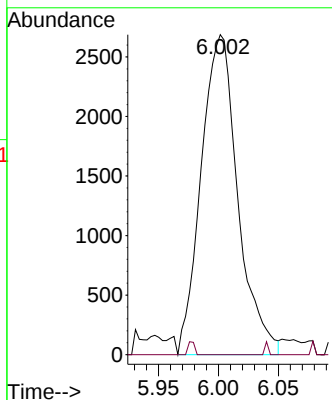
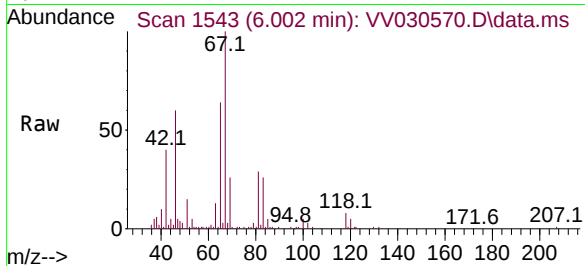




#37  
1,2-Dichloropropane  
Concen: 0.559 ug/L  
RT: 6.002 min Scan# 11  
Delta R.T. -0.100 min  
Lab File: VV030570.D  
Acq: 14 Apr 2023 14:02

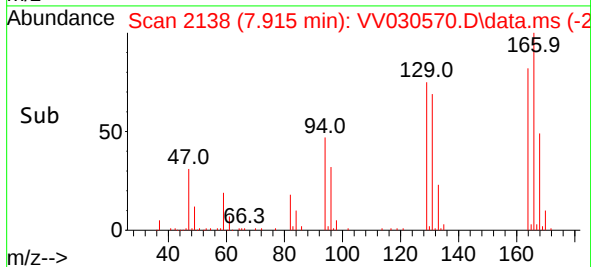
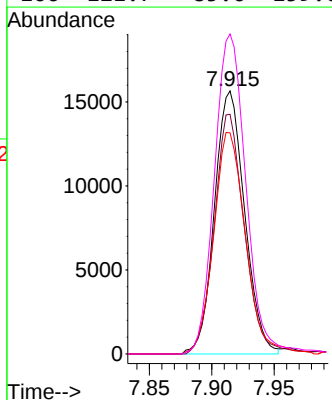
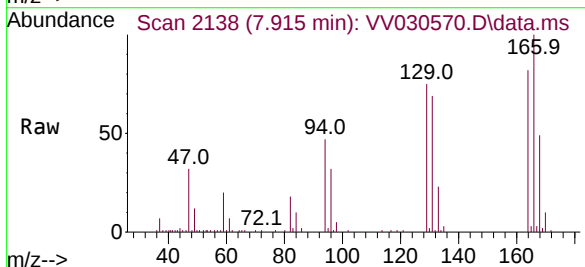
Instrument :  
MSVOA\_V  
ClientSampleId :  
BHDZ9DL

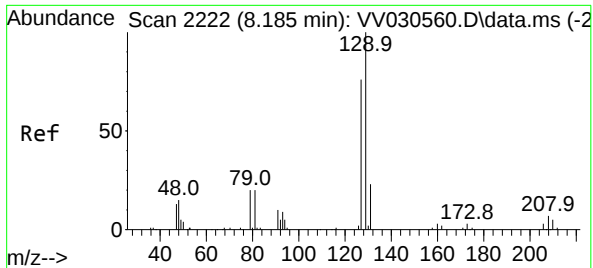
Tgt Ion: 63 Resp: 5714  
Ion Ratio Lower Upper  
63 100  
112 0.7 3.9 5.9#



#47  
Tetrachloroethene  
Concen: 2.791 ug/L  
RT: 7.915 min Scan# 2138  
Delta R.T. 0.003 min  
Lab File: VV030570.D  
Acq: 14 Apr 2023 14:02

Tgt Ion: 164 Resp: 26429  
Ion Ratio Lower Upper  
164 100  
129 91.1 60.8 112.8  
131 84.1 61.7 114.7  
166 121.7 85.6 159.0





#49

Dibromochloromethane

Concen: 2.667 ug/L

RT: 7.915 min Scan# 21

Delta R.T. -0.270 min

Lab File: VV030570.D

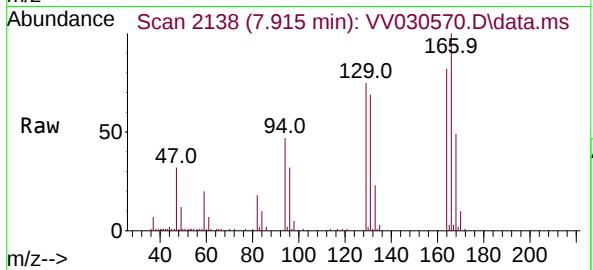
Acq: 14 Apr 2023 14:02

Instrument :

MSVOA\_V

ClientSampleId :

BHDZ9DL



Tgt Ion:129 Resp: 22835

Ion Ratio Lower Upper

129 100

127 0.0 52.7 97.9#

