

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041023\  
 Data File : VW030469.D  
 Acq On : 10 Apr 2023 15:28  
 Operator : SY/MD  
 Sample : 02225-15DL 10X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AB7DL

Quant Time: Apr 11 06:29:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 11 06:24:59 2023  
 Response via : Initial Calibration

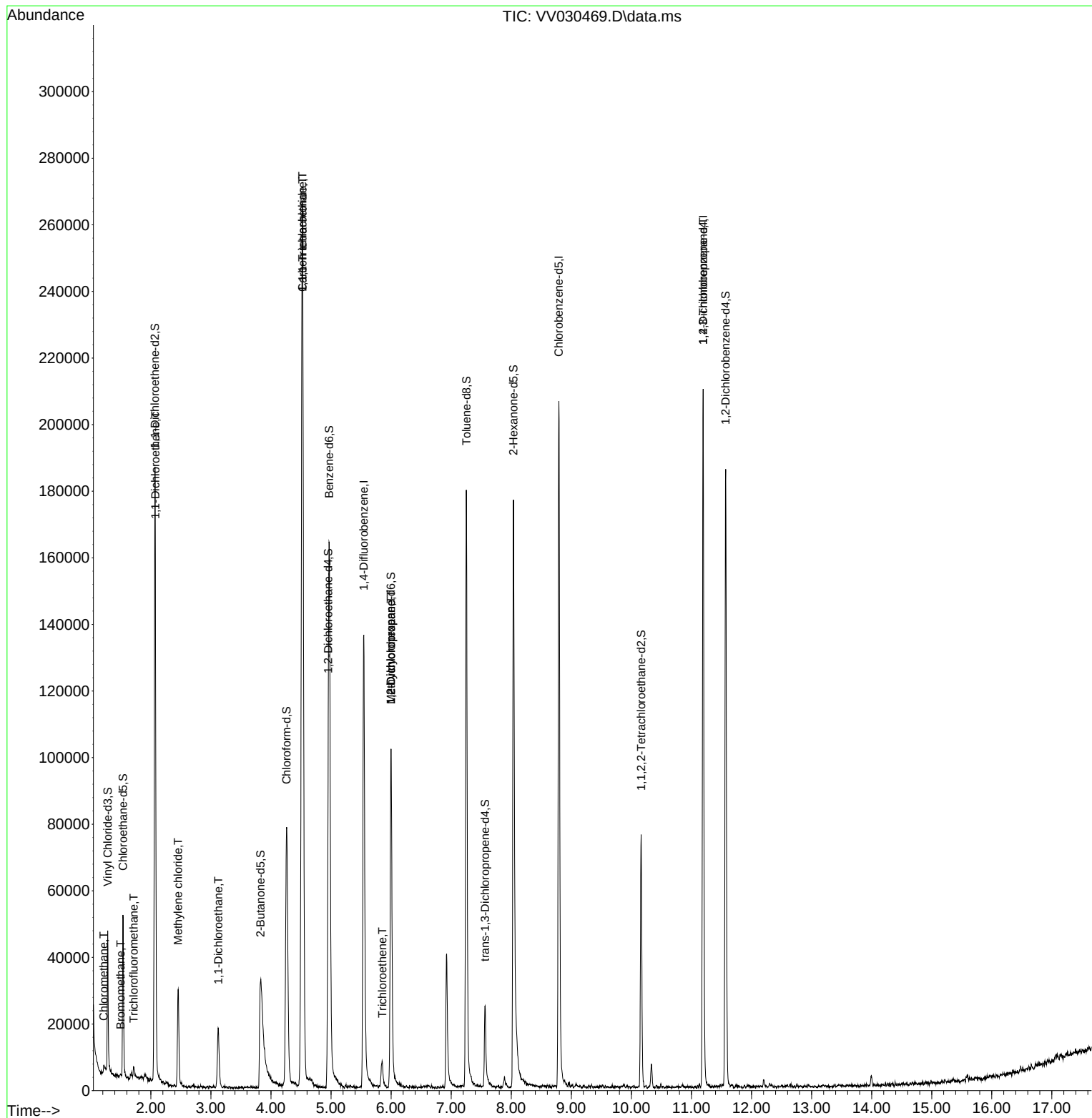
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.545  | 114   | 119172   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117   | 116803   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152   | 57618    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.282  | 65    | 26867    | 3.404    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 68.000%  |
| 7) Chloroethane-d5            | 1.536  | 69    | 30210    | 3.944    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 78.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.066  | 63    | 70945    | 3.788    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 75.800%  |
| 20) 2-Butanone-d5             | 3.825  | 46    | 85609    | 41.964   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 83.920%  |
| 24) Chloroform-d              | 4.259  | 84    | 84786    | 4.438    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.800%  |
| 26) 1,2-Dichloroethane-d4     | 4.953  | 65    | 41111    | 4.561    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.200%  |
| 32) Benzene-d6                | 4.969  | 84    | 145836   | 4.431    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.600%  |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67    | 46595    | 4.522    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.400%  |
| 41) Toluene-d8                | 7.252  | 98    | 122249   | 4.045    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 80.800%  |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79    | 15099    | 3.892    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 77.800%  |
| 46) 2-Hexanone-d5             | 8.037  | 63    | 64095    | 41.113   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 82.220%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84    | 35040    | 4.314    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 86.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152   | 49922    | 4.848    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.217  | 50    | 1805     | 0.094    | ug/L   | 86       |
| 6) Bromomethane               | 1.494  | 94    | 434      | 0.109    | ug/L # | 71       |
| 9) Trichlorofluoromethane     | 1.716  | 101   | 1710     | 0.084    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.076  | 96    | 31721    | 3.186    | ug/L   | 96       |
| 16) Methylene chloride        | 2.455  | 84    | 11838    | 1.005    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.124  | 63    | 17759    | 0.873    | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.523  | 97    | 221586   | 11.803   | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.523  | 117   | 27398    | 1.608    | ug/L   | 100      |
| 34) Trichloroethene           | 5.854  | 95    | 2831     | 0.253    | ug/L   | 94       |
| 35) Methylcyclohexane         | 5.998  | 83    | 12727    | 0.725    | ug/L # | 16       |
| 37) 1,2-Dichloropropane       | 5.998  | 63    | 6355     | 0.597    | ug/L # | 85       |
| 61) 1,2,3-Trichloropropane    | 11.194 | 75    | 6187     | 1.201    | ug/L # | 63       |
| -----                         |        |       |          |          |        |          |

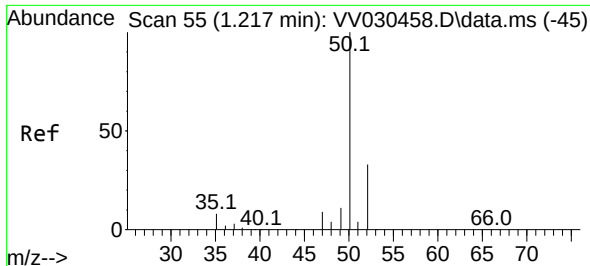
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV041023\  
Data File : VV030469.D  
Acq On : 10 Apr 2023 15:28  
Operator : SY/MD  
Sample : 02225-15DL 10X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AB7DL

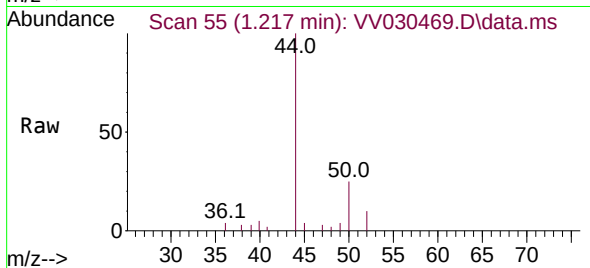
Quant Time: Apr 11 06:29:37 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032323WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Apr 11 06:24:59 2023  
Response via : Initial Calibration



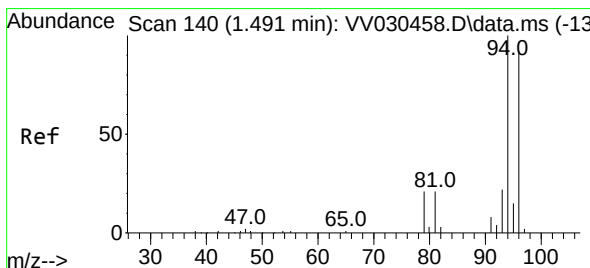
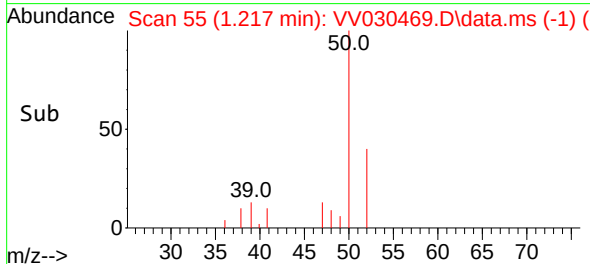
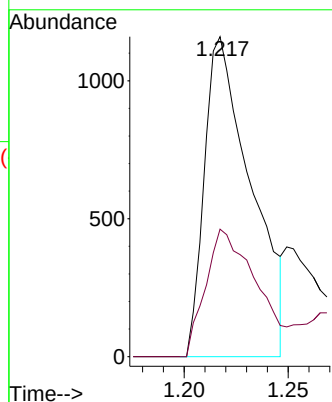


#3  
Chloromethane  
Concen: 0.094 ug/L  
RT: 1.217 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VV030469.D  
Acq: 10 Apr 2023 15:28

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AB7DL

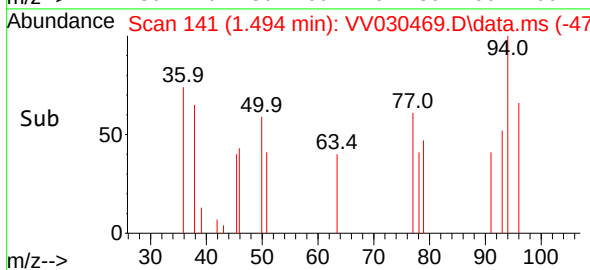
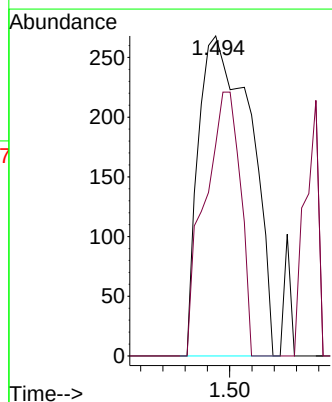
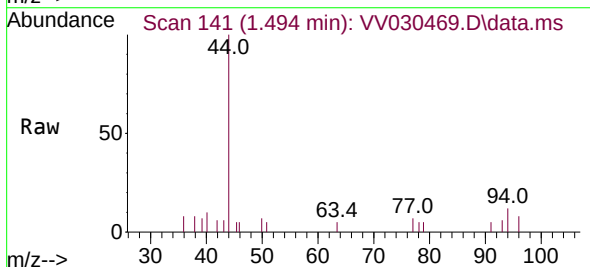


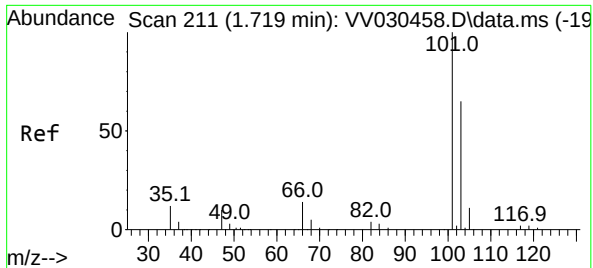
Tgt Ion: 50 Resp: 1805  
Ion Ratio Lower Upper  
50 100  
52 39.8 22.3 41.5



#6  
Bromomethane  
Concen: 0.109 ug/L  
RT: 1.494 min Scan# 141  
Delta R.T. 0.003 min  
Lab File: VV030469.D  
Acq: 10 Apr 2023 15:28

Tgt Ion: 94 Resp: 434  
Ion Ratio Lower Upper  
94 100  
96 66.0 66.1 122.7#

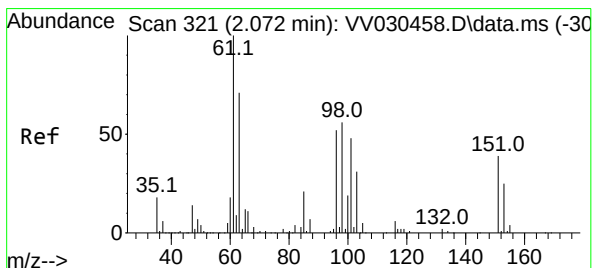
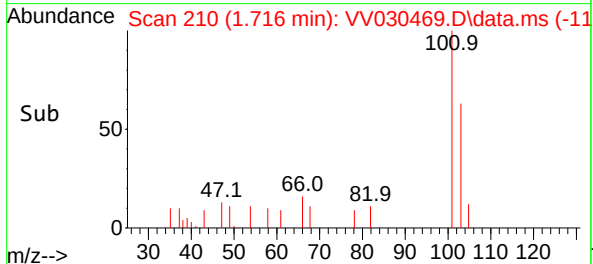
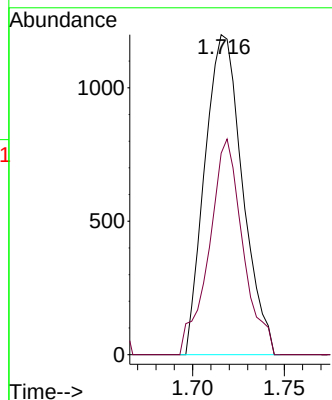
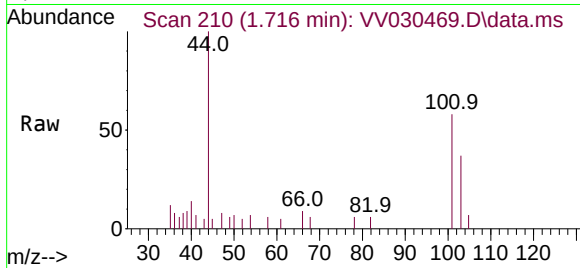




#9  
 Trichlorofluoromethane  
 Concen: 0.084 ug/L  
 RT: 1.716 min Scan# 211  
 Delta R.T. -0.003 min  
 Lab File: VV030469.D  
 Acq: 10 Apr 2023 15:28

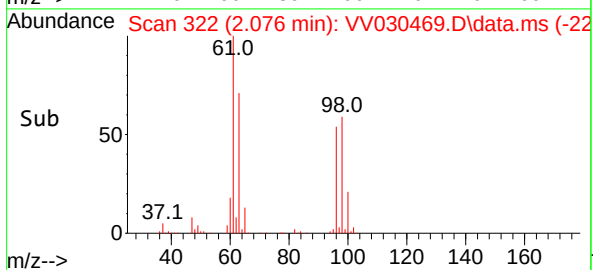
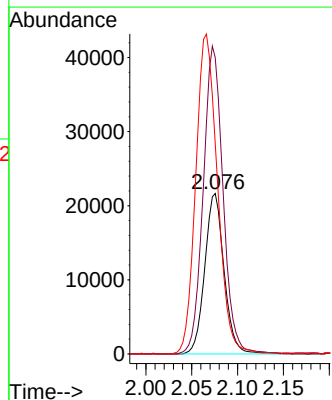
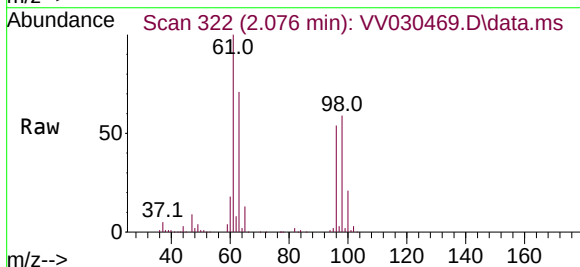
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AB7DL

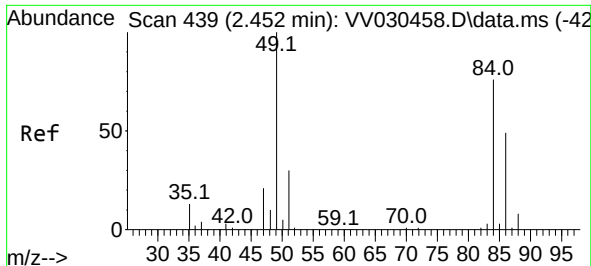
Tgt Ion:101 Resp: 1710  
 Ion Ratio Lower Upper  
 101 100  
 103 60.6 51.0 76.6



#12  
 1,1-Dichloroethene  
 Concen: 3.186 ug/L  
 RT: 2.076 min Scan# 322  
 Delta R.T. 0.003 min  
 Lab File: VV030469.D  
 Acq: 10 Apr 2023 15:28

Tgt Ion: 96 Resp: 31721  
 Ion Ratio Lower Upper  
 96 100  
 61 184.6 136.3 253.1  
 63 131.1 92.1 171.1

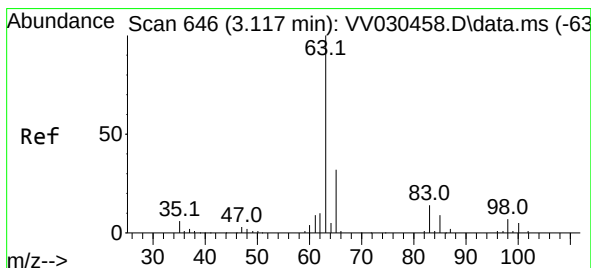
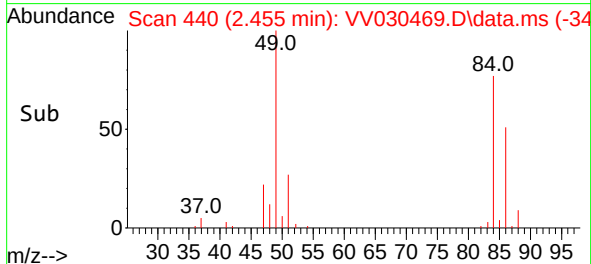
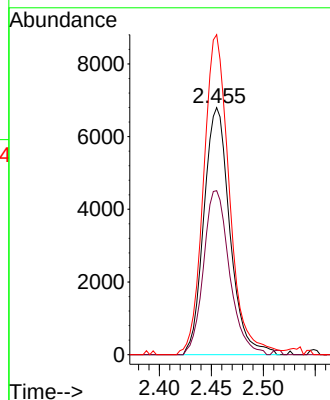
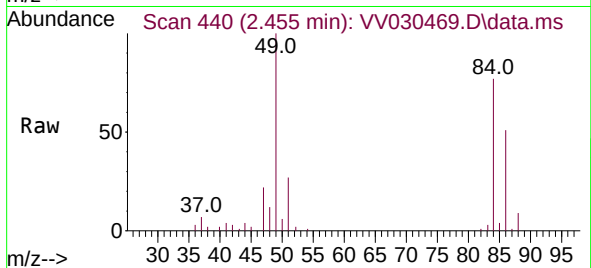




#16  
Methylene chloride  
Concen: 1.005 ug/L  
RT: 2.455 min Scan# 441  
Delta R.T. 0.003 min  
Lab File: VV030469.D  
Acq: 10 Apr 2023 15:28

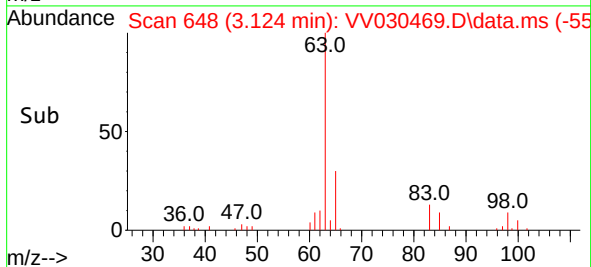
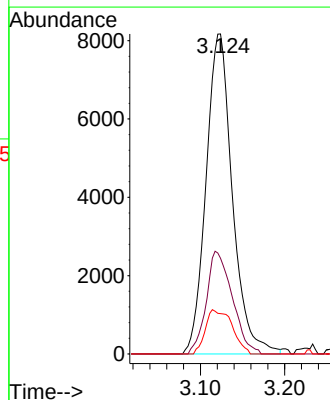
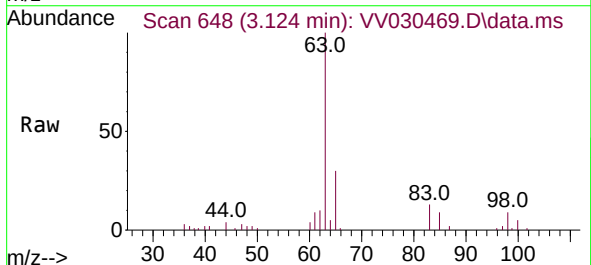
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AB7DL

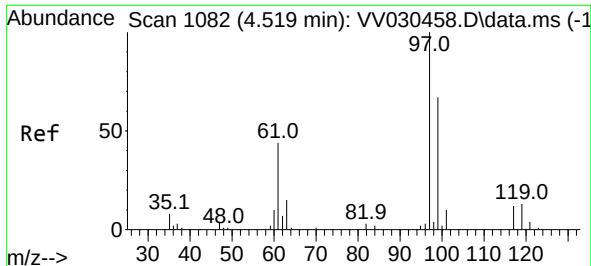
Tgt Ion: 84 Resp: 11838  
Ion Ratio Lower Upper  
84 100  
86 66.4 44.0 81.6  
49 129.5 90.6 168.3



#19  
1,1-Dichloroethane  
Concen: 0.873 ug/L  
RT: 3.124 min Scan# 648  
Delta R.T. 0.006 min  
Lab File: VV030469.D  
Acq: 10 Apr 2023 15:28

Tgt Ion: 63 Resp: 17759  
Ion Ratio Lower Upper  
63 100  
65 29.9 21.7 40.3  
83 12.6 9.1 16.9





#29

1,1,1-Trichloroethane

Concen: 11.803 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030469.D

Acq: 10 Apr 2023 15:28

Instrument :

MSVOA\_V

ClientSampleId :

C0AB7DL

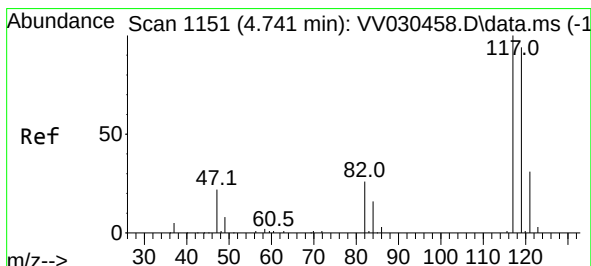
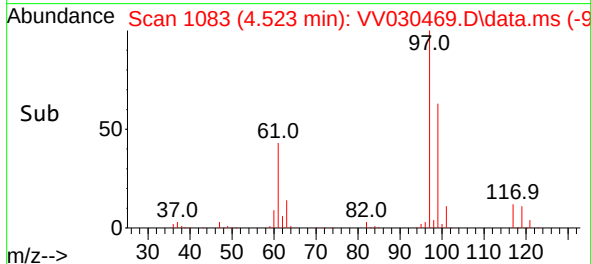
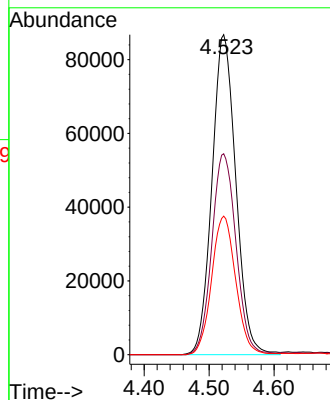
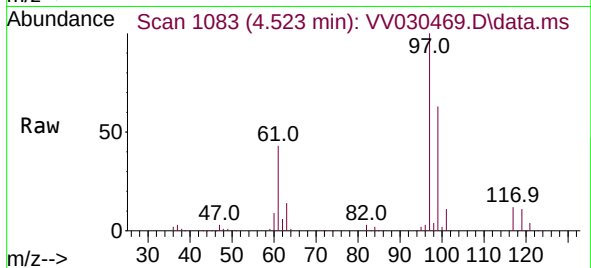
Tgt Ion: 97 Resp: 221586

Ion Ratio Lower Upper

97 100

99 63.8 50.9 76.3

61 43.6 35.9 53.9



#31

Carbon tetrachloride

Concen: 1.608 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. -0.219 min

Lab File: VV030469.D

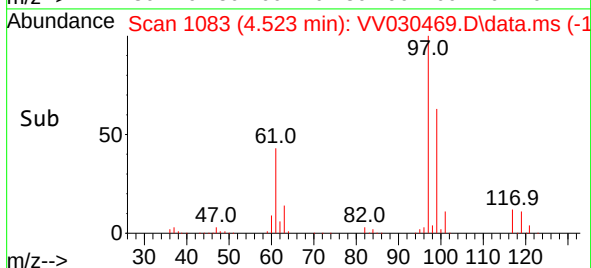
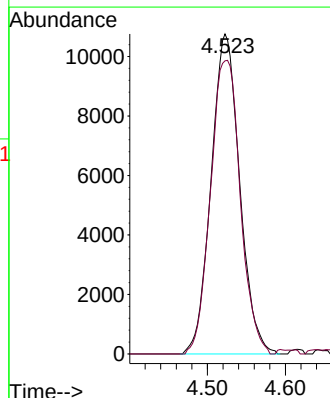
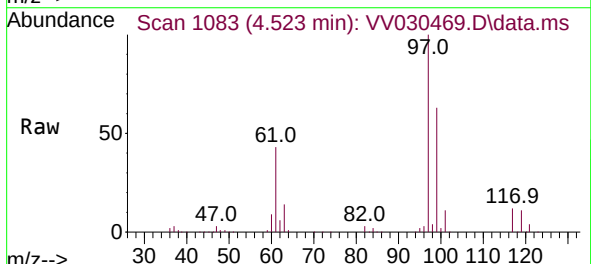
Acq: 10 Apr 2023 15:28

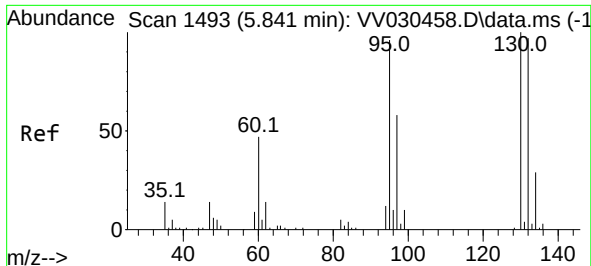
Tgt Ion: 117 Resp: 27398

Ion Ratio Lower Upper

117 100

119 95.6 76.2 114.4



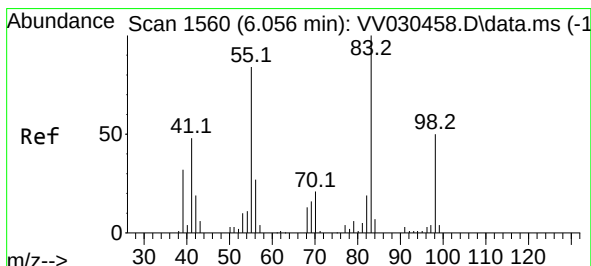
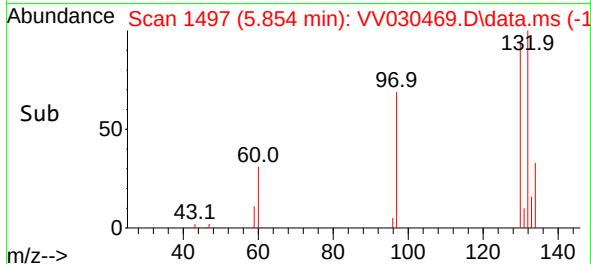
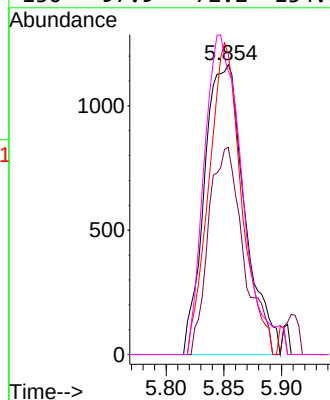
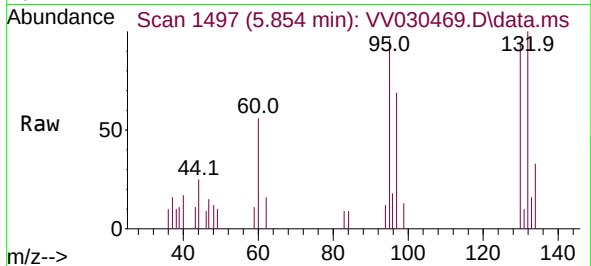


#34  
Trichloroethene  
Concen: 0.253 ug/L  
RT: 5.854 min Scan# 1497  
Delta R.T. 0.013 min  
Lab File: VV030469.D  
Acq: 10 Apr 2023 15:28

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AB7DL

Tgt Ion: 95 Resp: 2831

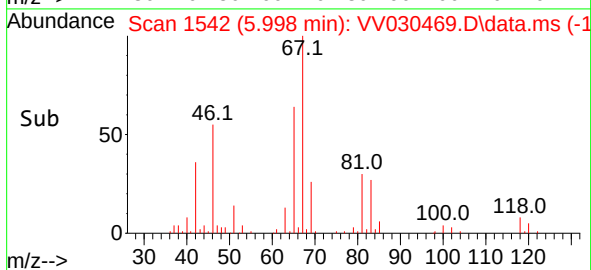
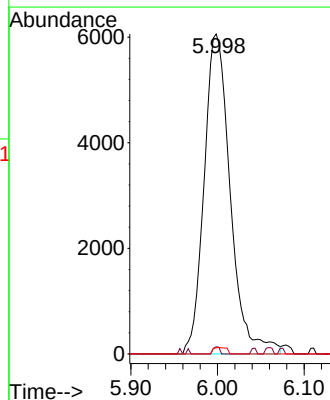
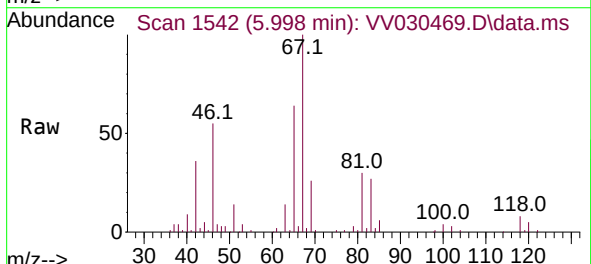
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 71.5  | 44.2  | 82.2  |
| 132 | 103.8 | 69.5  | 129.1 |
| 130 | 97.9  | 72.2  | 134.0 |

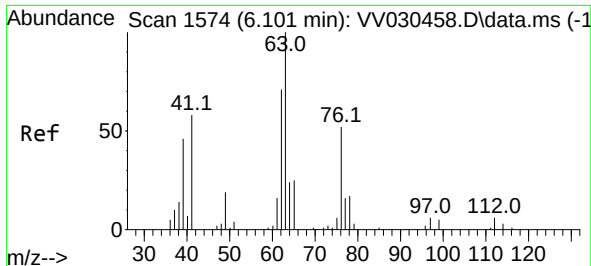


#35  
Methylcyclohexane  
Concen: 0.725 ug/L  
RT: 5.998 min Scan# 1542  
Delta R.T. -0.058 min  
Lab File: VV030469.D  
Acq: 10 Apr 2023 15:28

Tgt Ion: 83 Resp: 12727

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 83  | 100   |       |        |
| 55  | 0.6   | 66.6  | 100.0# |
| 98  | 1.0   | 38.6  | 58.0#  |





#37

1,2-Dichloropropane

Concen: 0.597 ug/L

RT: 5.998 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV030469.D

Acq: 10 Apr 2023 15:28

Instrument :

MSVOA\_V

ClientSampleId :

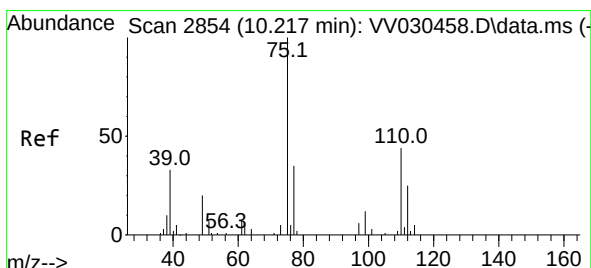
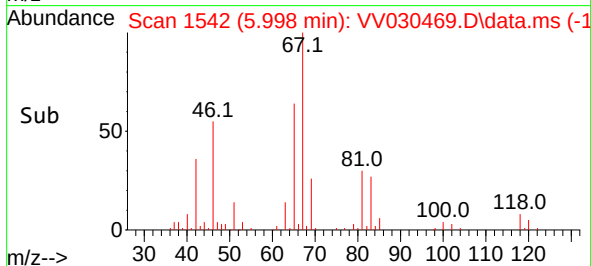
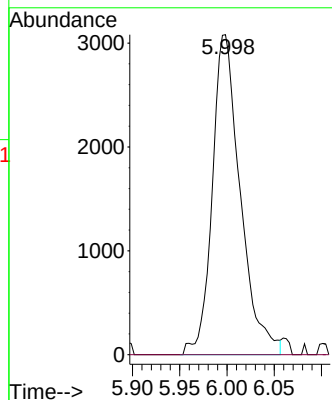
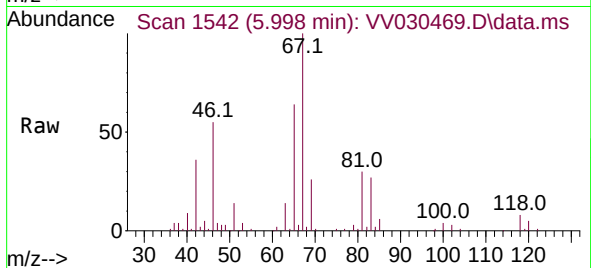
C0AB7DL

Tgt Ion: 63 Resp: 6355

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#61

1,2,3-Trichloropropane

Concen: 1.201 ug/L

RT: 11.194 min Scan# 3158

Delta R.T. 0.977 min

Lab File: VV030469.D

Acq: 10 Apr 2023 15:28

Tgt Ion: 75 Resp: 6187

Ion Ratio Lower Upper

75 100

77 37.0 26.0 39.0

110 2.5 31.6 47.4#

