

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW102022\  
 Data File : VW028640.D  
 Acq On : 20 Oct 2022 17:21  
 Operator : SY/MD  
 Sample : N5163-04DL 200X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BD714DL

Quant Time: Oct 21 01:12:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 21 00:53:32 2022  
 Response via : Initial Calibration

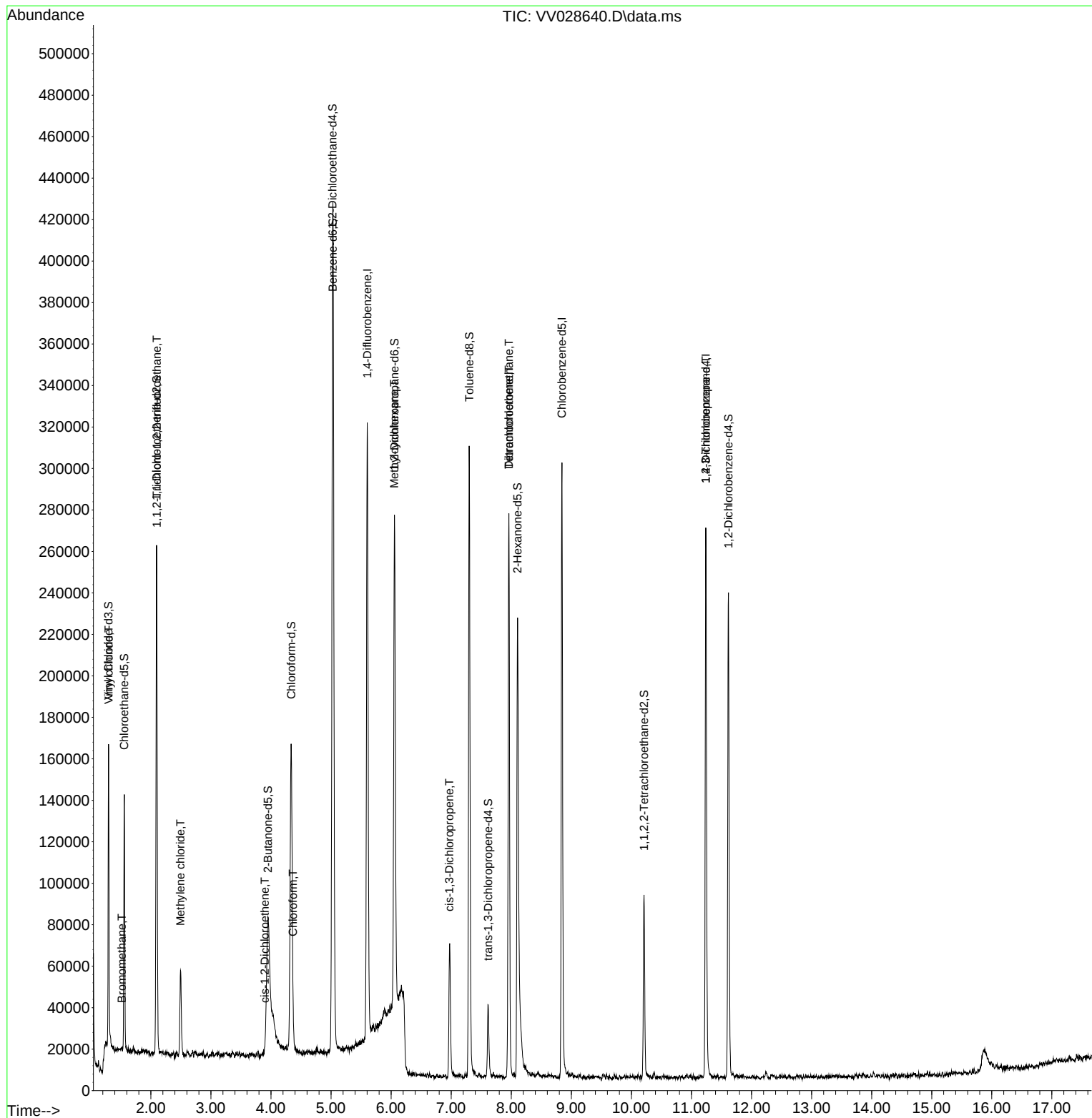
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.603  | 114   | 217143   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844  | 117   | 146593   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239 | 152   | 61585    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.294  | 65    | 99455    | 4.626    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 92.600%  |
| 7) Chloroethane-d5            | 1.558  | 69    | 78763    | 4.661    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 93.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.095  | 63    | 134770   | 3.607    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 72.200%  |
| 20) 2-Butanone-d5             | 3.950  | 46    | 190475   | 47.074   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.140%  |
| 24) Chloroform-d              | 4.336  | 84    | 145173   | 4.552    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65    | 79460    | 4.601    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.000%  |
| 32) Benzene-d6                | 5.031  | 84    | 314610   | 4.933    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.056  | 67    | 105360   | 5.268    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 105.400% |
| 41) Toluene-d8                | 7.301  | 98    | 187200   | 4.058    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 81.200%  |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79    | 18135    | 3.735    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 74.800%  |
| 46) 2-Hexanone-d5             | 8.104  | 63    | 82616    | 40.983   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 81.960%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.211 | 84    | 42219    | 4.469    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 89.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.616 | 152   | 54196    | 4.896    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.298  | 62    | 889      | 0.044    | ug/L # | 1        |
| 6) Bromomethane               | 1.516  | 94    | 867      | 0.088    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.098  | 101   | 1372     | 0.092    | ug/L # | 32       |
| 16) Methylene chloride        | 2.494  | 84    | 14824    | 0.734    | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 3.896  | 96    | 1211     | 0.069    | ug/L # | 92       |
| 25) Chloroform                | 4.365  | 83    | 6583     | 0.195    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.053  | 83    | 24539    | 0.985    | ug/L # | 15       |
| 39) cis-1,3-Dichloropropene   | 6.970  | 75    | 1604     | 0.084    | ug/L # | 82       |
| 47) Tetrachloroethene         | 7.960  | 164   | 54108    | 6.313    | ug/L   | 99       |
| 49) Dibromochloromethane      | 7.960  | 129   | 44759    | 5.566    | ug/L # | 13       |
| 61) 1,2,3-Trichloropropane    | 11.239 | 75    | 9759     | 1.462    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

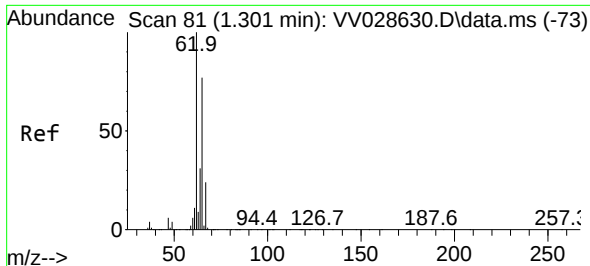
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV102022\  
Data File : VV028640.D  
Acq On : 20 Oct 2022 17:21  
Operator : SY/MD  
Sample : N5163-04DL 200X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BD714DL

Quant Time: Oct 21 01:12:30 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102022WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Oct 21 00:53:32 2022  
Response via : Initial Calibration

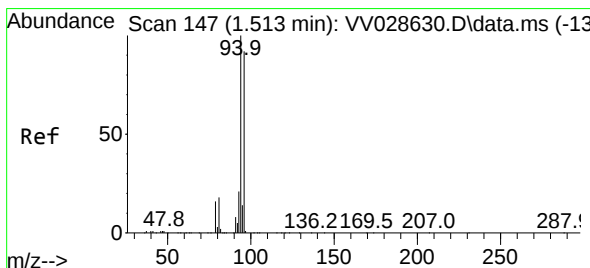
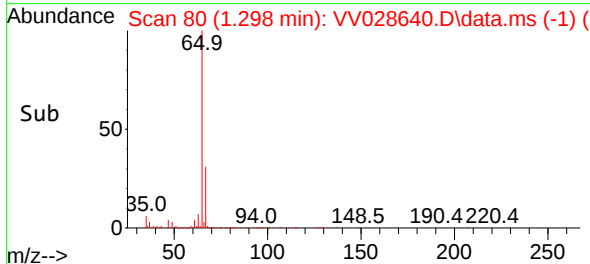
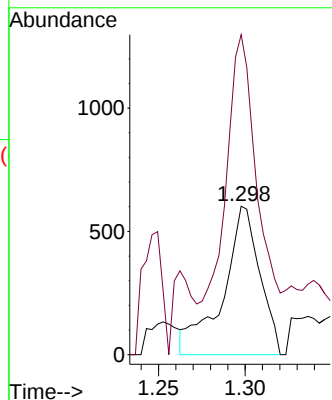
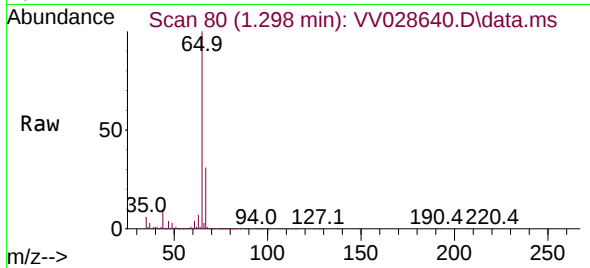




#5  
 Vinyl chloride  
 Concen: 0.044 ug/L  
 RT: 1.298 min Scan# 80  
 Delta R.T. -0.003 min  
 Lab File: VV028640.D  
 Acq: 20 Oct 2022 17:21

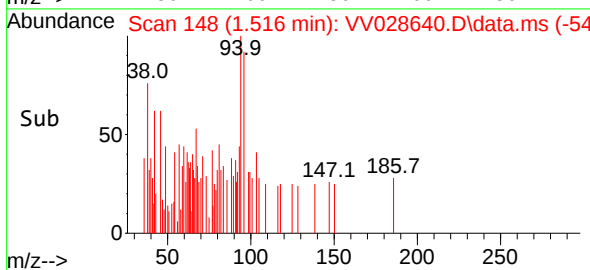
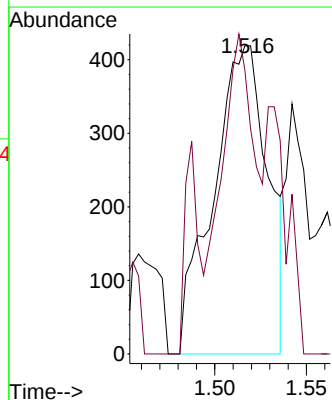
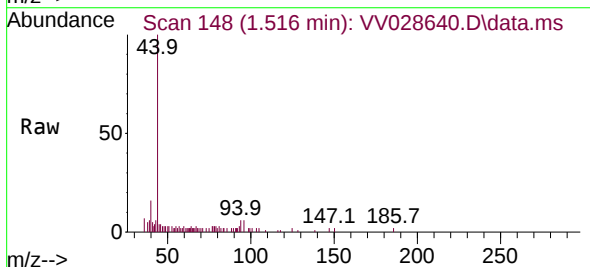
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BD714DL

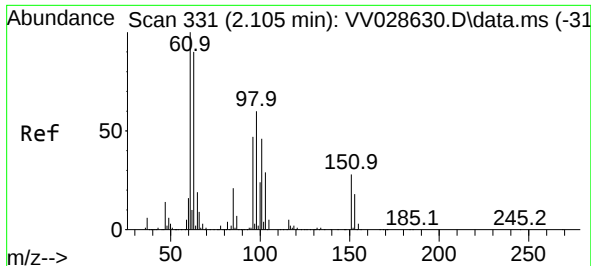
Tgt Ion: 62 Resp: 889  
 Ion Ratio Lower Upper  
 62 100  
 64 215.6 22.0 41.0#



#6  
 Bromomethane  
 Concen: 0.088 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. 0.003 min  
 Lab File: VV028640.D  
 Acq: 20 Oct 2022 17:21

Tgt Ion: 94 Resp: 867  
 Ion Ratio Lower Upper  
 94 100  
 96 92.1 64.3 119.3

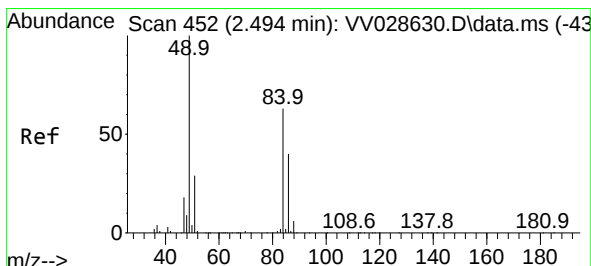
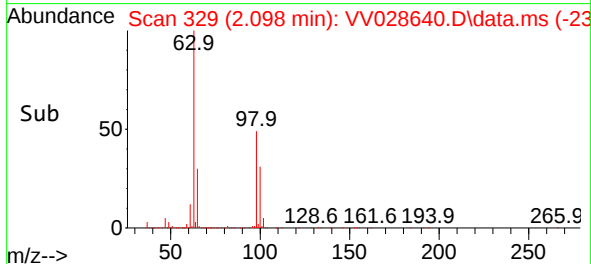
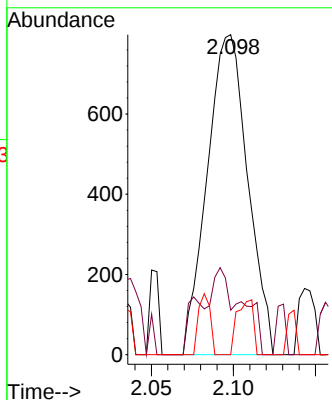
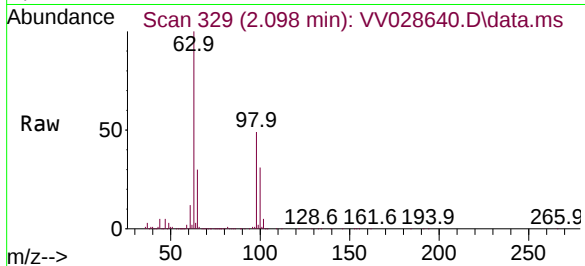




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.092 ug/L  
 RT: 2.098 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: VV028640.D  
 Acq: 20 Oct 2022 17:21

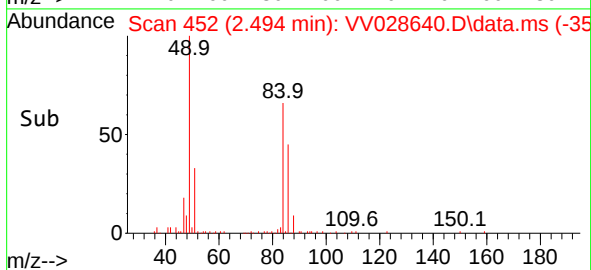
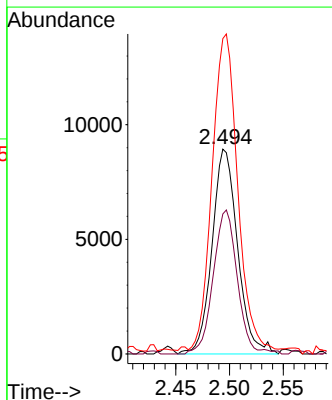
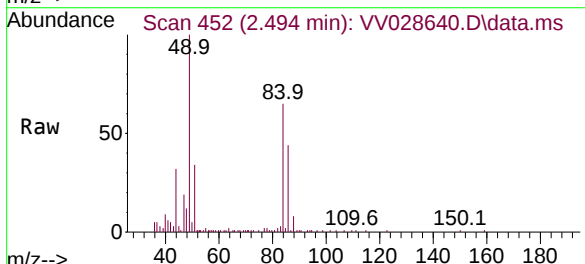
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BD714DL

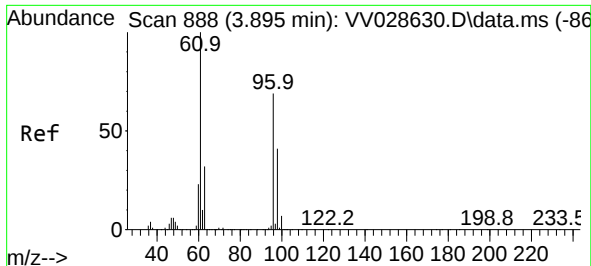
Tgt Ion:101 Resp: 1372  
 Ion Ratio Lower Upper  
 101 100  
 85 4.5 37.0 55.6#  
 151 6.9 50.2 75.2#



#16  
 Methylene chloride  
 Concen: 0.734 ug/L  
 RT: 2.494 min Scan# 452  
 Delta R.T. 0.000 min  
 Lab File: VV028640.D  
 Acq: 20 Oct 2022 17:21

Tgt Ion: 84 Resp: 14824  
 Ion Ratio Lower Upper  
 84 100  
 86 68.4 44.4 82.4  
 49 154.0 110.8 205.8

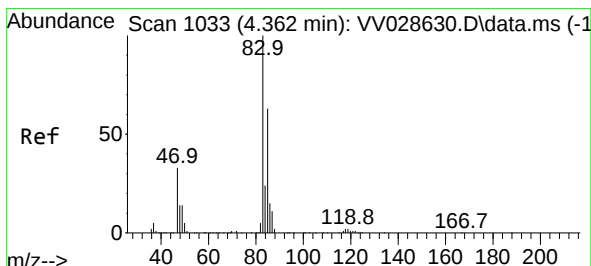
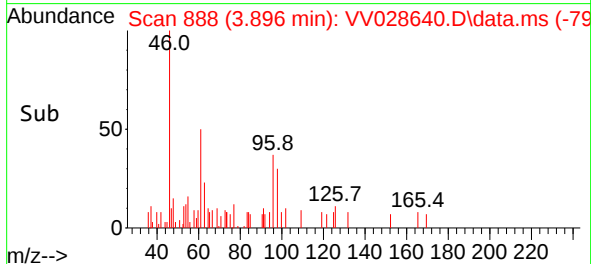
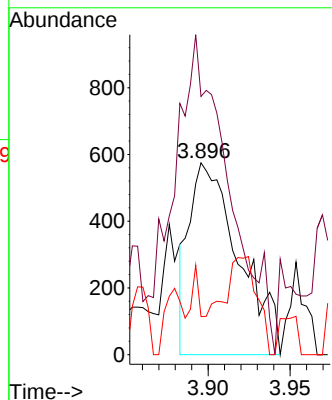
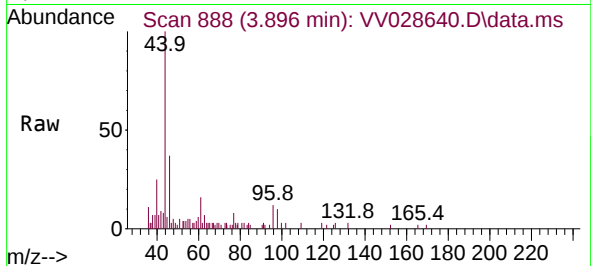




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.069 ug/L  
 RT: 3.896 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VV028640.D  
 Acq: 20 Oct 2022 17:21

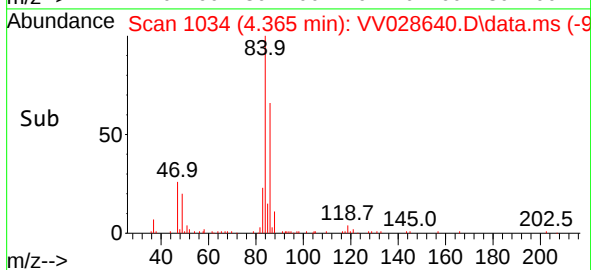
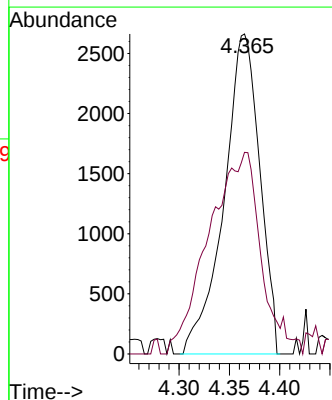
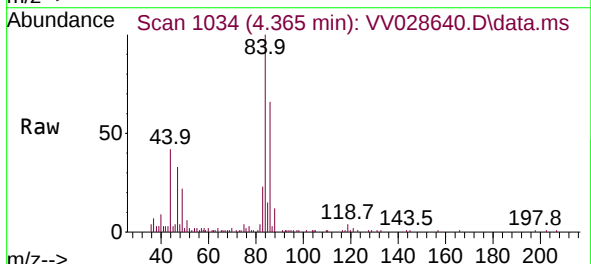
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BD714DL

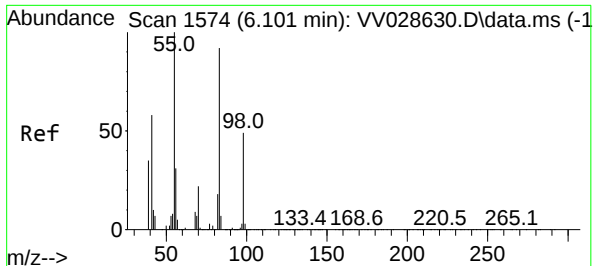
Tgt Ion: 96 Resp: 1211  
 Ion Ratio Lower Upper  
 96 100  
 61 134.6 101.4 188.2  
 68 19.8 0.5 0.9#



#25  
 Chloroform  
 Concen: 0.195 ug/L  
 RT: 4.365 min Scan# 1034  
 Delta R.T. 0.003 min  
 Lab File: VV028640.D  
 Acq: 20 Oct 2022 17:21

Tgt Ion: 83 Resp: 6583  
 Ion Ratio Lower Upper  
 83 100  
 85 63.0 44.1 81.9





#35

Methylcyclohexane

Concen: 0.985 ug/L

RT: 6.053 min Scan# 1

Delta R.T. -0.048 min

Lab File: VV028640.D

Acq: 20 Oct 2022 17:21

Instrument :

MSVOA\_V

ClientSampleId :

BD714DL

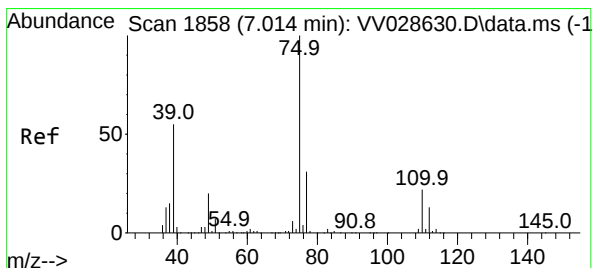
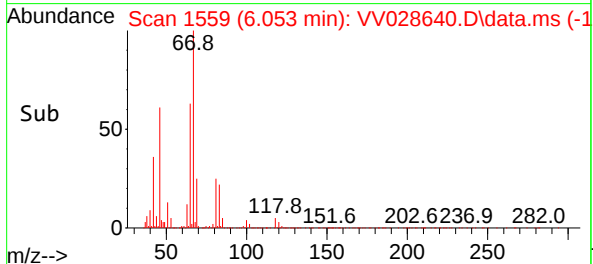
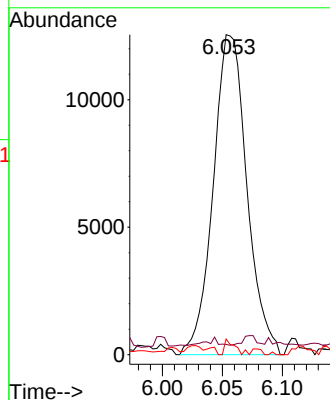
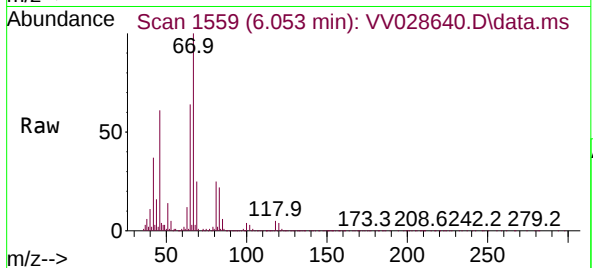
Tgt Ion: 83 Resp: 24539

Ion Ratio Lower Upper

83 100

55 0.0 70.0 105.0#

98 1.3 35.6 53.4#



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 6.970 min Scan# 1844

Delta R.T. -0.045 min

Lab File: VV028640.D

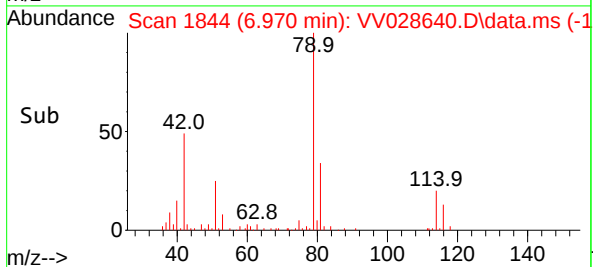
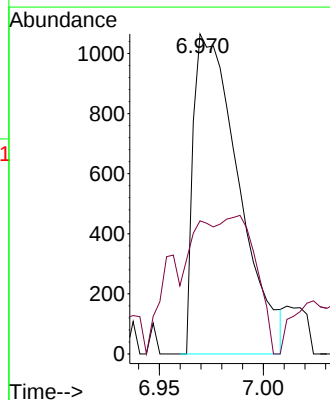
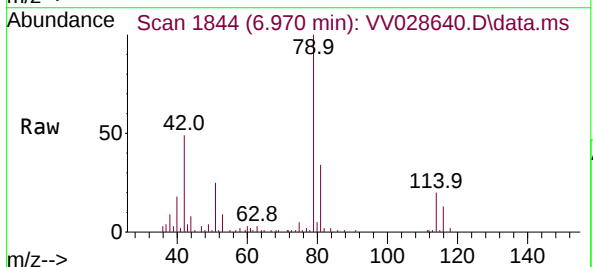
Acq: 20 Oct 2022 17:21

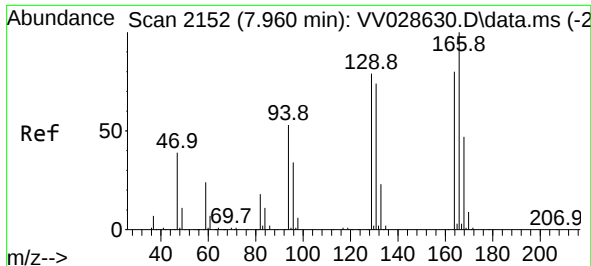
Tgt Ion: 75 Resp: 1604

Ion Ratio Lower Upper

75 100

77 41.6 22.1 41.1#

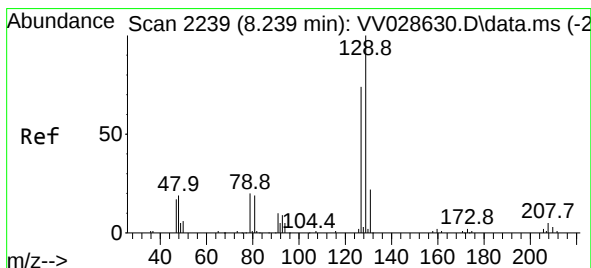
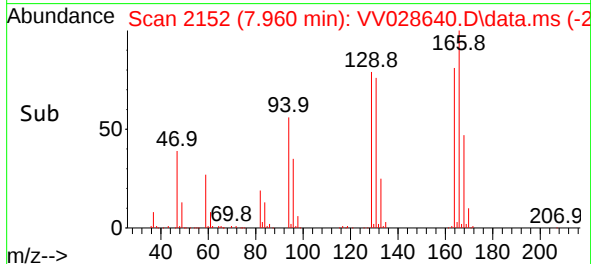
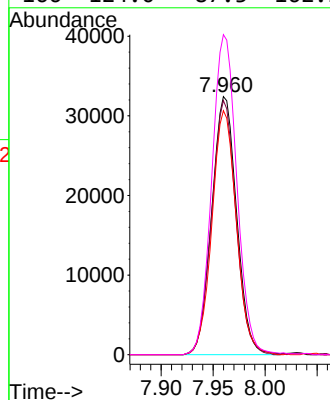
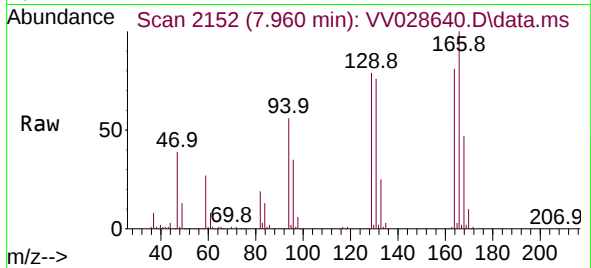




#47  
Tetrachloroethene  
Concen: 6.313 ug/L  
RT: 7.960 min Scan# 2152  
Delta R.T. 0.000 min  
Lab File: VV028640.D  
Acq: 20 Oct 2022 17:21

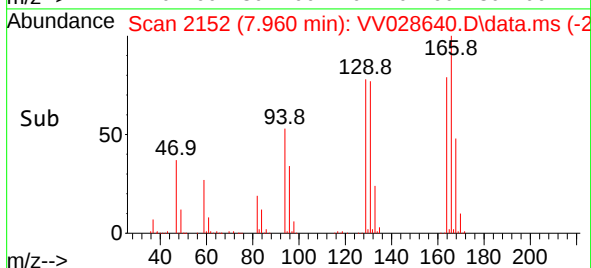
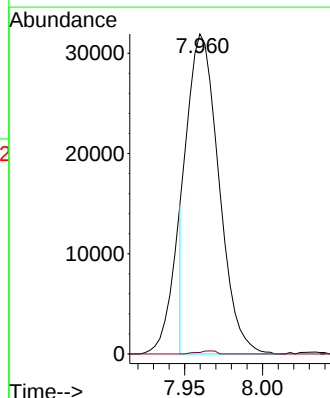
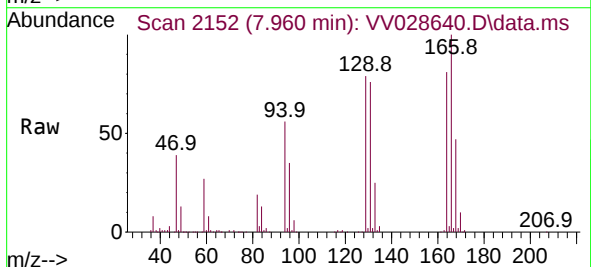
Instrument :  
MSVOA\_V  
ClientSampleId :  
BD714DL

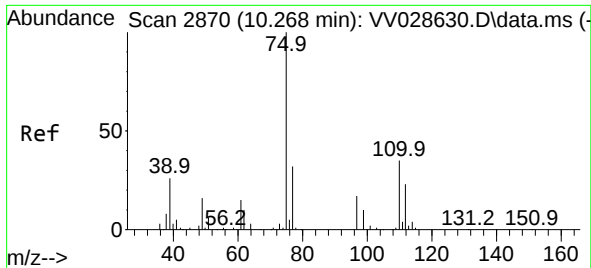
Tgt Ion:164 Resp: 54108  
Ion Ratio Lower Upper  
164 100  
129 98.5 69.2 128.6  
131 94.6 64.2 119.2  
166 124.0 87.3 162.1



#49  
Dibromochloromethane  
Concen: 5.566 ug/L  
RT: 7.960 min Scan# 2152  
Delta R.T. -0.280 min  
Lab File: VV028640.D  
Acq: 20 Oct 2022 17:21

Tgt Ion:129 Resp: 44759  
Ion Ratio Lower Upper  
129 100  
127 0.5 51.6 95.8#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.462 ug/L  
 RT: 11.239 min Scan# 31  
 Delta R.T. 0.971 min  
 Lab File: VV028640.D  
 Acq: 20 Oct 2022 17:21

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BD714DL

Tgt Ion: 75 Resp: 9759  
 Ion Ratio Lower Upper  
 75 100  
 77 36.4 25.2 37.8  
 110 2.6 27.9 41.9#

