

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121021\  
 Data File : VX025697.D  
 Acq On : 10 Dec 2021 13:31  
 Operator : JC/MD  
 Sample : M5004-05ME  
 Misc : 6.54g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 10 23:32:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML112221WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 10 23:31:21 2021  
 Response via : Initial Calibration

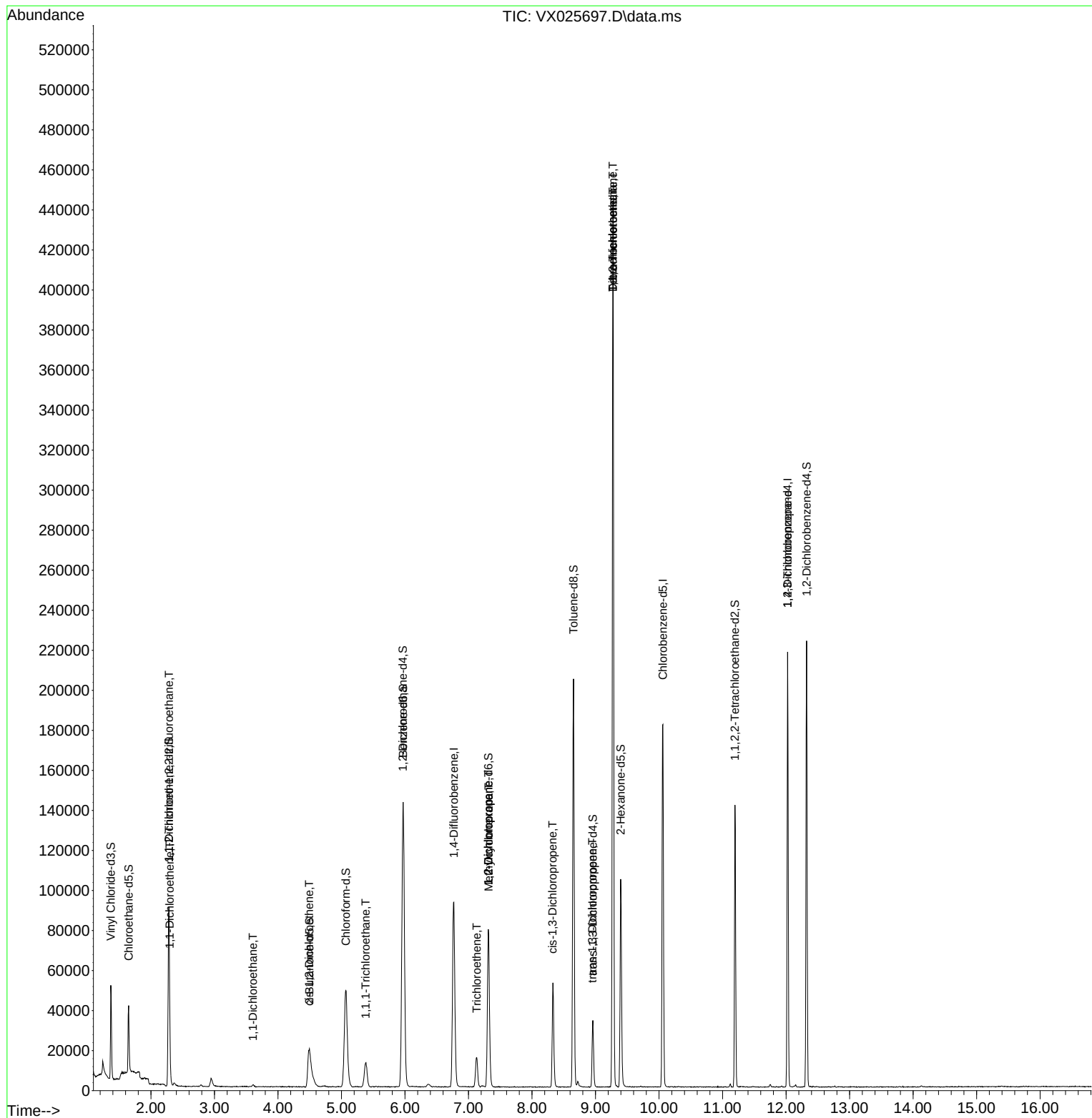
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.769   | 114   | 105152   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.061  | 117   | 93613    | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 44981    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 32981    | 45.959   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 91.920%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 20637    | 34.844   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 69.680%# |
| 11) 1,1-Dichloroethene-d2     | 2.282   | 63    | 50974    | 44.550   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 89.100%  |
| 21) 2-Butanone-d5             | 4.495   | 46    | 46550    | 87.141   | ug/L   | 0.04     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 87.140%  |
| 24) Chloroform-d              | 5.068   | 84    | 62596    | 49.910   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.820%  |
| 26) 1,2-Dichloroethane-d4     | 5.964   | 65    | 42707    | 54.630   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 109.260% |
| 32) Benzene-d6                | 5.971   | 84    | 136879   | 55.170   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 110.340% |
| 36) 1,2-Dichloropropane-d6    | 7.312   | 67    | 39697    | 51.678   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 103.360% |
| 41) Toluene-d8                | 8.653   | 98    | 123406   | 52.697   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 105.400% |
| 43) trans-1,3-Dichloroprop... | 8.958   | 79    | 17469    | 45.233   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.460%  |
| 47) 2-Hexanone-d5             | 9.397   | 63    | 32765    | 81.942   | ug/L   | 0.01     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 81.940%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84    | 53446    | 49.231   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.460%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 44911    | 50.906   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.820% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.282   | 101   | 726      | 1.191    | ug/L # | 24       |
| 12) 1,1-Dichloroethene        | 2.294   | 96    | 1537     | 2.722    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.605   | 63    | 1238     | 1.137    | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.489   | 96    | 790      | 1.103    | ug/L   | 92       |
| 30) 1,1,1-Trichloroethane     | 5.379   | 97    | 12197    | 11.803   | ug/L   | 98       |
| 34) Trichloroethene           | 7.129   | 95    | 5471     | 8.317    | ug/L   | 91       |
| 35) Methylcyclohexane         | 7.318   | 83    | 10125    | 9.780    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 7.312   | 63    | 4629     | 7.380    | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 8.324   | 75    | 1406     | 1.376    | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 8.952   | 75    | 851      | 0.867    | ug/L # | 81       |
| 45) 1,1,2-Trichloroethane     | 9.275   | 97    | 655      | 0.984    | ug/L # | 1        |
| 46) Tetrachloroethene         | 9.275   | 164   | 81343    | 145.817  | ug/L   | 99       |
| 49) Dibromochloromethane      | 9.275   | 129   | 76109    | 99.199   | ug/L # | 12       |
| 61) 1,2,3-Trichloropropane    | 12.024  | 75    | 5509     | 7.159    | ug/L # | 63       |
| -----                         |         |       |          |          |        |          |

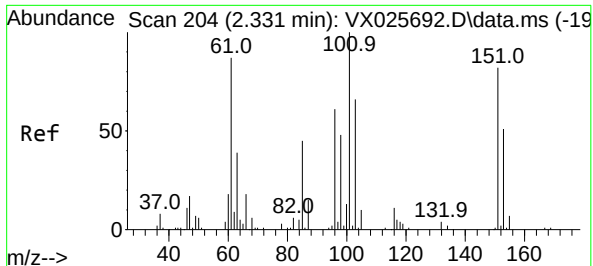
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121021\  
Data File : VX025697.D  
Acq On : 10 Dec 2021 13:31  
Operator : JC/MD  
Sample : M5004-05ME  
Misc : 6.54g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 10 23:32:58 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM112221WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 10 23:31:21 2021  
Response via : Initial Calibration





#10

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

Concen: 1.191 ug/L

RT: 2.282 min Scan# 196

Delta R.T. -0.049 min

Lab File: VX025697.D

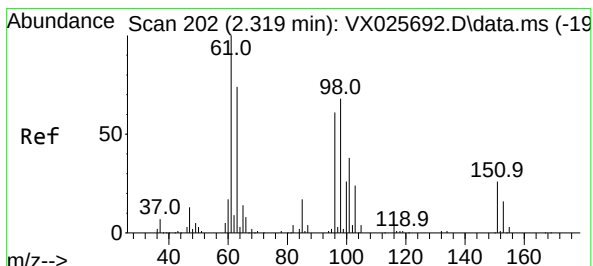
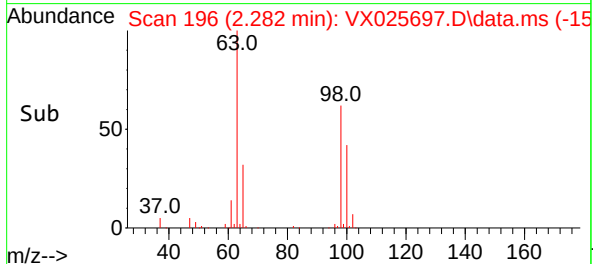
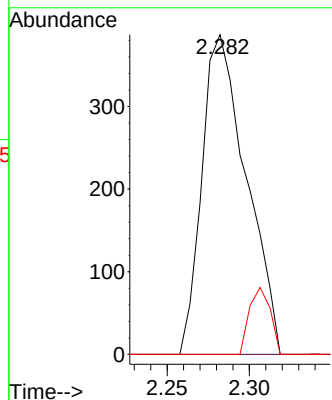
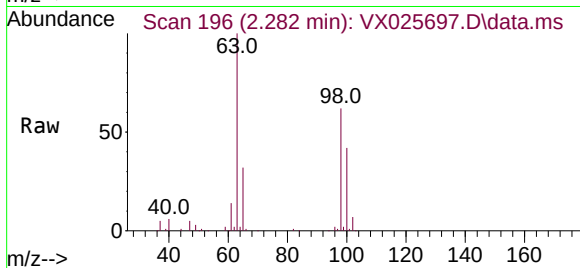
Acq: 10 Dec 2021 13:31

Instrument :

MSVOA\_X

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 726   |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 0.0   | 34.3  | 51.5# |
| 151      | 9.9   | 65.2  | 97.8# |



#12

1,1-Dichloroethene

Concen: 2.722 ug/L

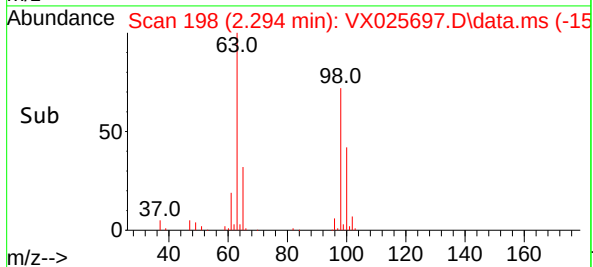
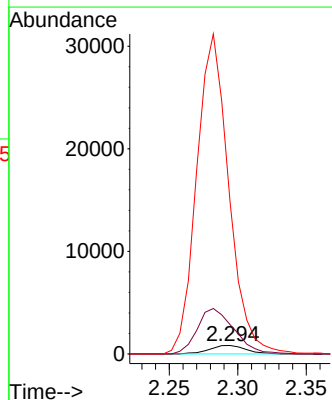
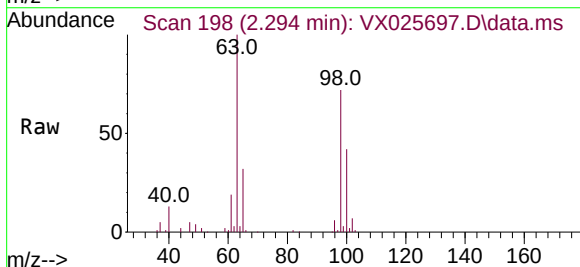
RT: 2.294 min Scan# 198

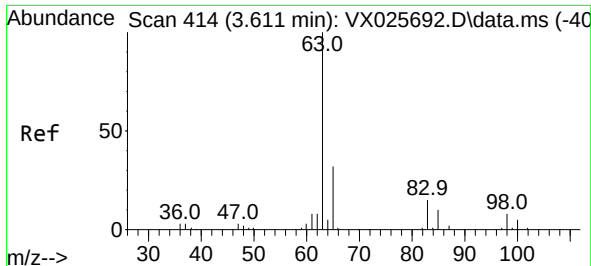
Delta R.T. -0.024 min

Lab File: VX025697.D

Acq: 10 Dec 2021 13:31

|          |        |       |        |
|----------|--------|-------|--------|
| Tgt Ion: | 96     | Resp: | 1537   |
| Ion      | Ratio  | Lower | Upper  |
| 96       | 100    |       |        |
| 61       | 346.9  | 108.7 | 201.9# |
| 63       | 1789.7 | 76.3  | 141.7# |





#19

1,1-Dichloroethane

Concen: 1.137 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX025697.D

Acq: 10 Dec 2021 13:31

Instrument :

MSVOA\_X

ClientSampleId :

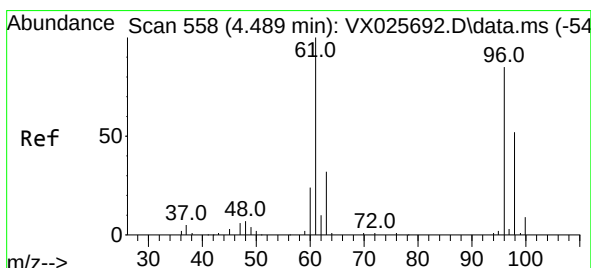
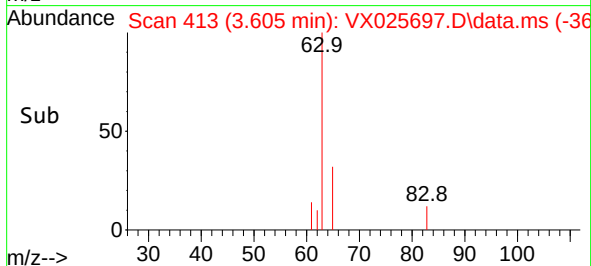
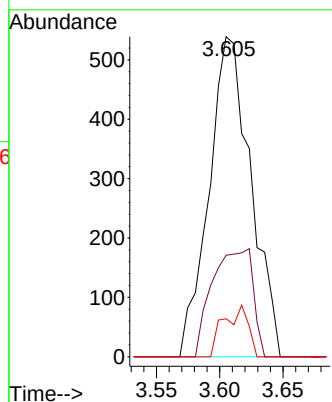
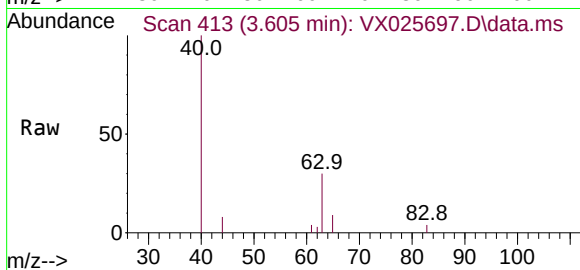
Tgt Ion: 63 Resp: 1238

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

83 11.9 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 1.103 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX025697.D

Acq: 10 Dec 2021 13:31

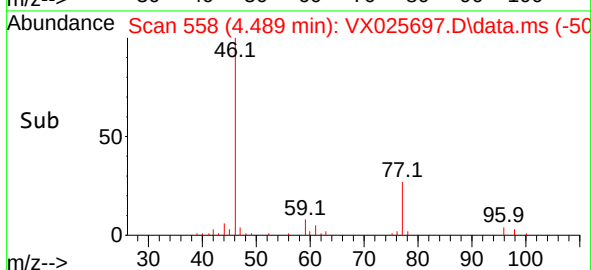
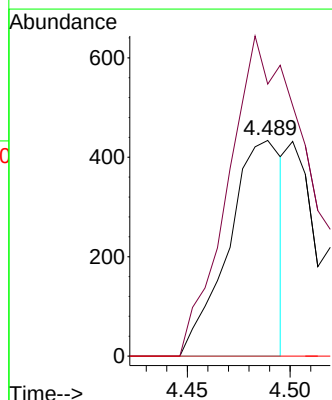
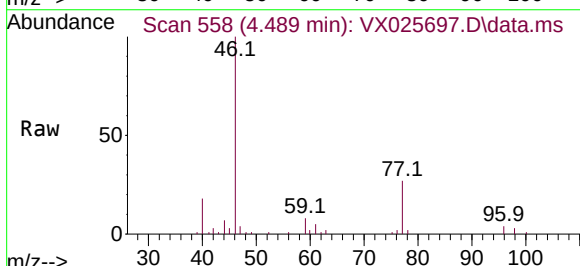
Tgt Ion: 96 Resp: 790

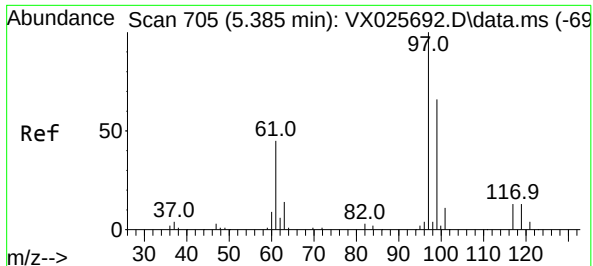
Ion Ratio Lower Upper

96 100

61 126.0 82.3 152.8

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 11.803 ug/L

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX025697.D

Acq: 10 Dec 2021 13:31

Instrument :

MSVOA\_X

ClientSampleId :

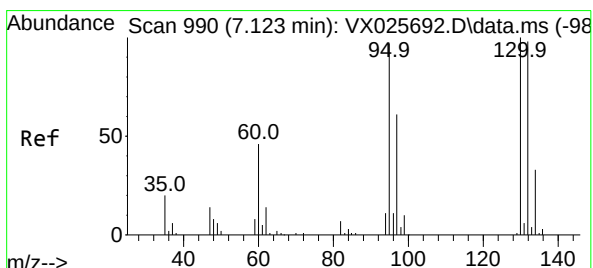
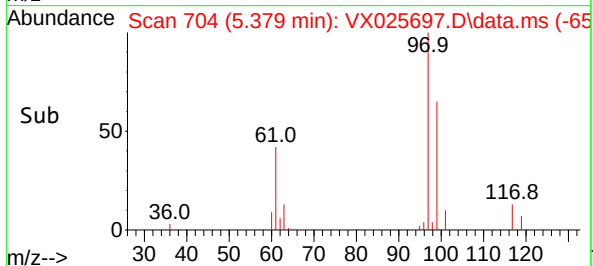
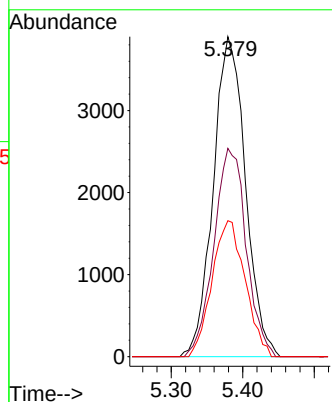
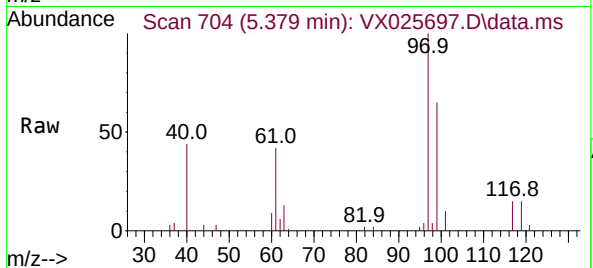
Tgt Ion: 97 Resp: 12197

Ion Ratio Lower Upper

97 100

99 65.4 51.5 77.3

61 43.7 33.1 49.7



#34

Trichloroethene

Concen: 8.317 ug/L

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX025697.D

Acq: 10 Dec 2021 13:31

Tgt Ion: 95 Resp: 5471

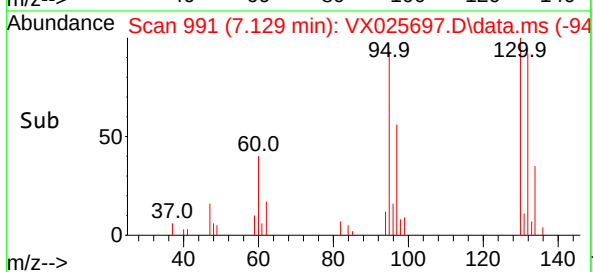
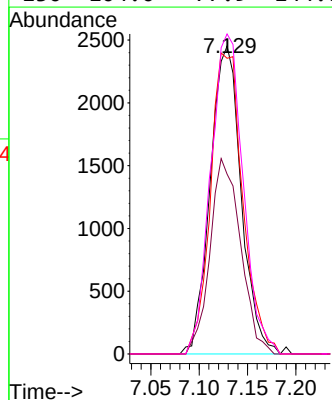
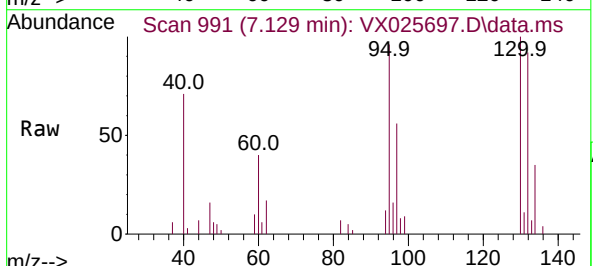
Ion Ratio Lower Upper

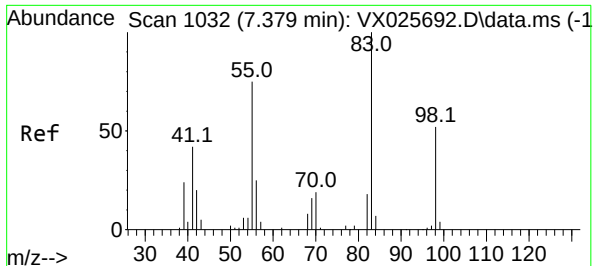
95 100

97 58.4 46.0 85.4

132 96.0 75.0 139.2

130 104.0 77.9 144.7

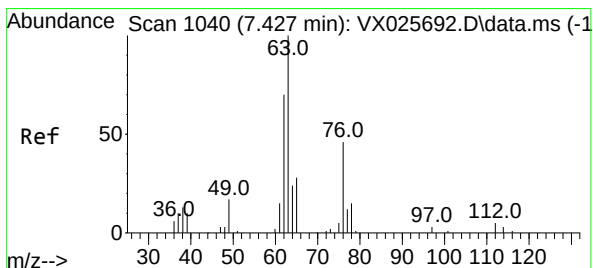
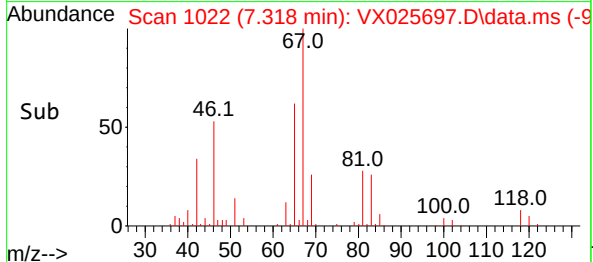
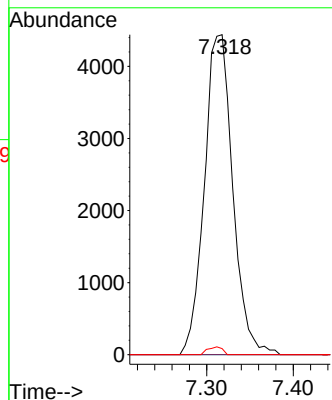
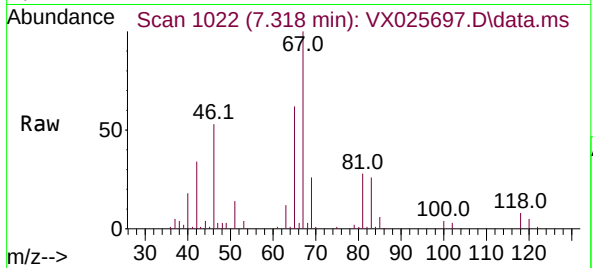




#35  
Methylcyclohexane  
Concen: 9.780 ug/L  
RT: 7.318 min Scan# 1022  
Delta R.T. -0.061 min  
Lab File: VX025697.D  
Acq: 10 Dec 2021 13:31

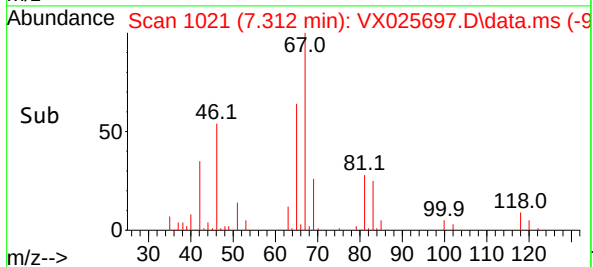
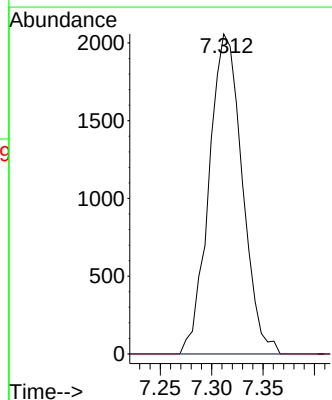
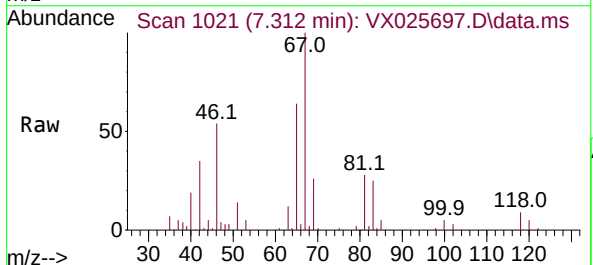
Instrument :  
MSVOA\_X  
ClientSampleId :

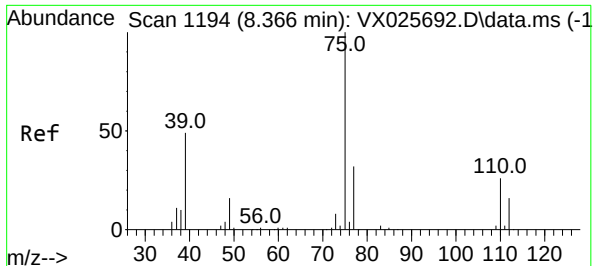
Tgt Ion: 83 Resp: 10125  
Ion Ratio Lower Upper  
83 100  
55 0.0 57.3 85.9#  
98 1.3 41.1 61.7#



#37  
1,2-Dichloropropane  
Concen: 7.380 ug/L  
RT: 7.312 min Scan# 1021  
Delta R.T. -0.116 min  
Lab File: VX025697.D  
Acq: 10 Dec 2021 13:31

Tgt Ion: 63 Resp: 4629  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 1.376 ug/L

RT: 8.324 min Scan# 1194

Delta R.T. -0.043 min

Lab File: VX025697.D

Acq: 10 Dec 2021 13:31

Instrument :

MSVOA\_X

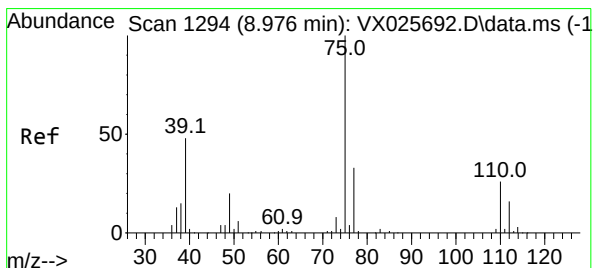
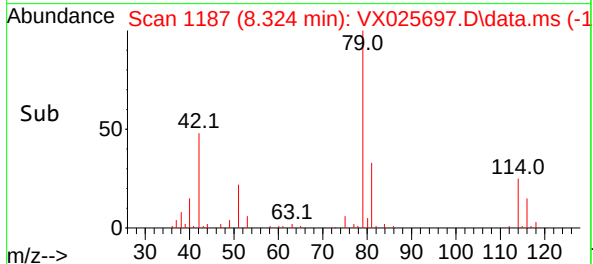
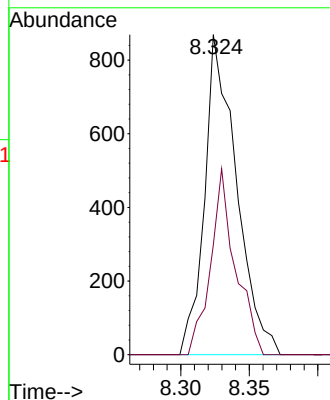
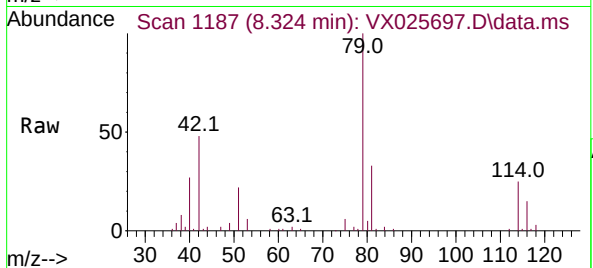
ClientSampleId :

Tgt Ion: 75 Resp: 1406

Ion Ratio Lower Upper

75 100

77 34.3 22.3 41.3



#44

trans-1,3-Dichloropropene

Concen: 0.867 ug/L

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX025697.D

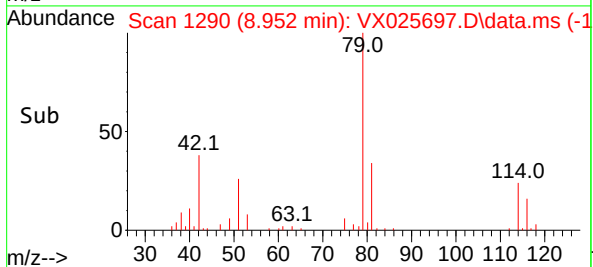
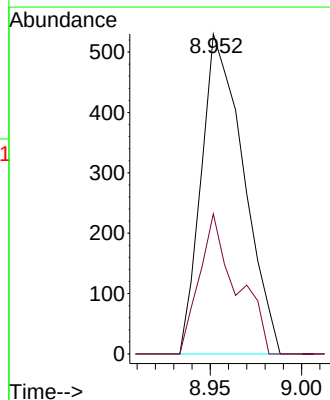
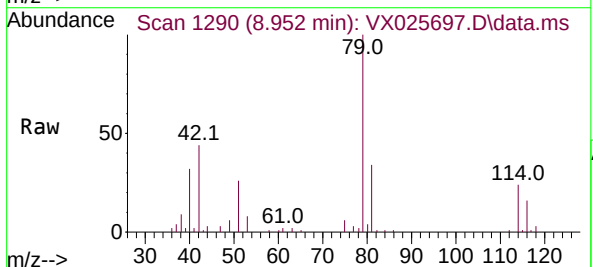
Acq: 10 Dec 2021 13:31

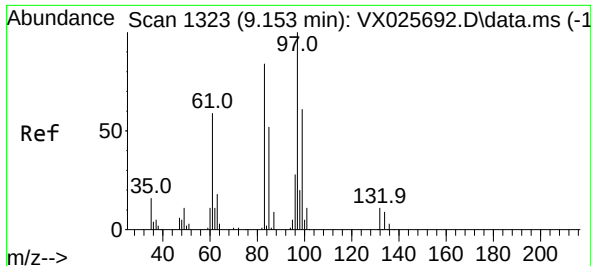
Tgt Ion: 75 Resp: 851

Ion Ratio Lower Upper

75 100

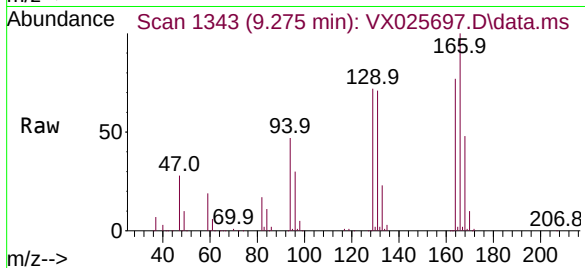
77 43.8 23.0 42.8#



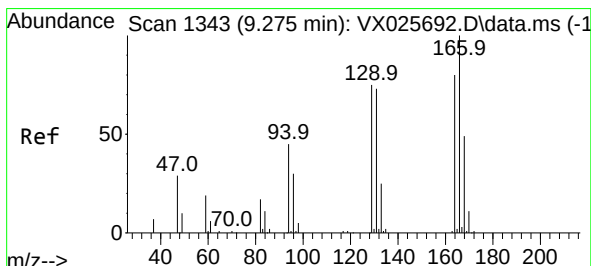
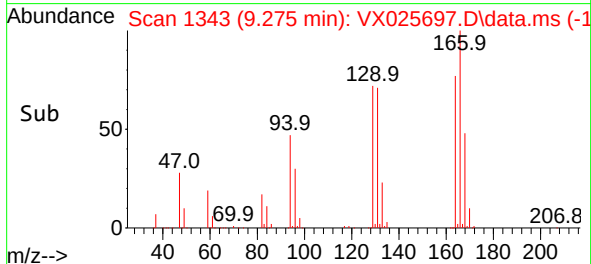
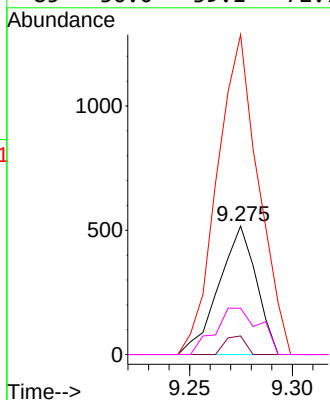


#45  
1,1,2-Trichloroethane  
Concen: 0.984 ug/L  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.122 min  
Lab File: VX025697.D  
Acq: 10 Dec 2021 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :

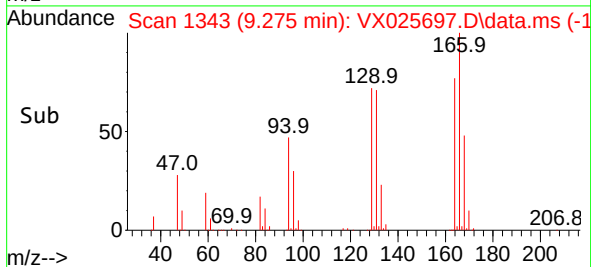
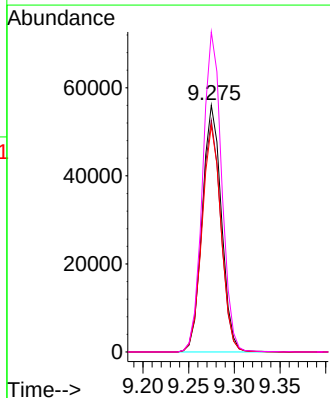
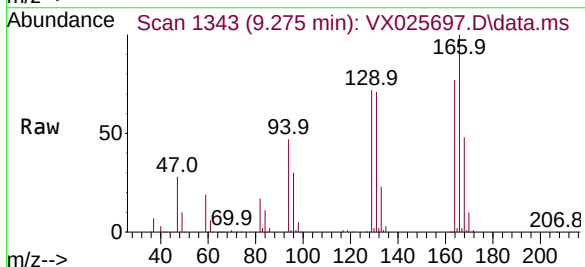


|             |                   |
|-------------|-------------------|
| Tgt Ion: 97 | Resp: 655         |
| Ion Ratio   | Lower Upper       |
| 97          | 100               |
| 99          | 14.5 46.0 85.4#   |
| 83          | 248.9 59.6 110.8# |
| 85          | 36.0 39.1 72.7#   |

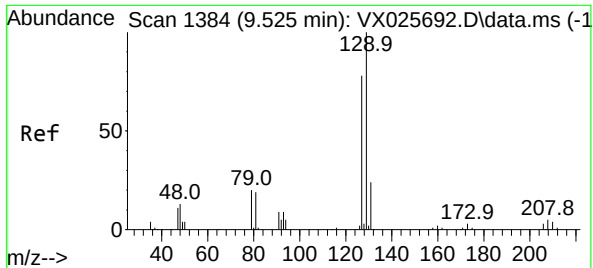


#46  
Tetrachloroethene  
Concen: 145.817 ug/L  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX025697.D  
Acq: 10 Dec 2021 13:31

|              |                  |
|--------------|------------------|
| Tgt Ion: 164 | Resp: 81343      |
| Ion Ratio    | Lower Upper      |
| 164          | 100              |
| 129          | 93.9 64.7 120.1  |
| 131          | 91.8 63.2 117.4  |
| 166          | 129.7 90.1 167.3 |



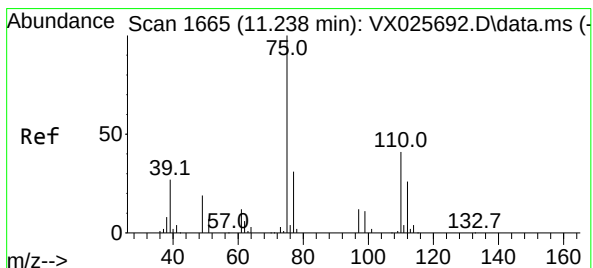
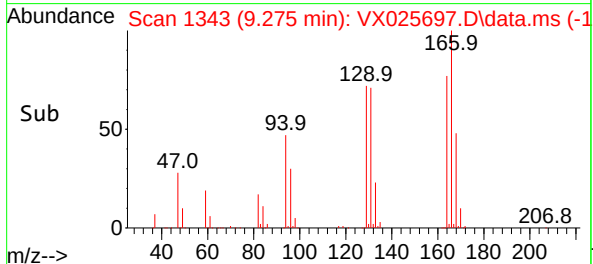
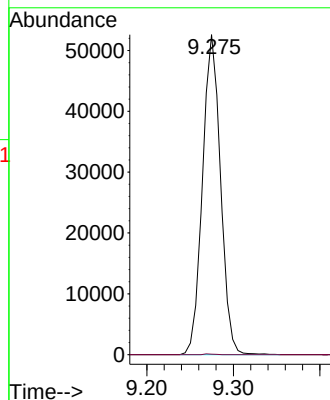
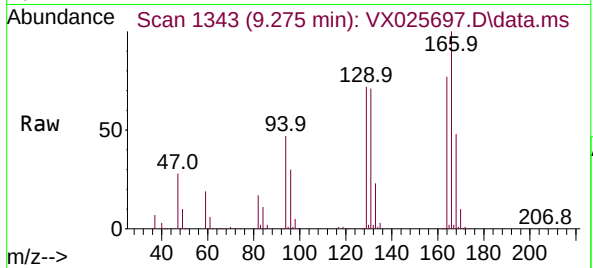




#49  
Dibromochloromethane  
Concen: 99.199 ug/L  
RT: 9.275 min Scan# 11  
Delta R.T. -0.250 min  
Lab File: VX025697.D  
Acq: 10 Dec 2021 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:129 Resp: 76109  
Ion Ratio Lower Upper  
129 100  
127 0.1 52.4 97.2#



#61  
1,2,3-Trichloropropane  
Concen: 7.159 ug/L  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.787 min  
Lab File: VX025697.D  
Acq: 10 Dec 2021 13:31

Tgt Ion: 75 Resp: 5509  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.8 38.8  
110 2.1 34.7 52.1#

