

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090623\  
 Data File : VU055163.D  
 Acq On : 07 Sep 2023 00:58  
 Operator : MD/SY  
 Sample : 04286-17  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 07 02:28:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 06 05:03:37 2023  
 Response via : Initial Calibration

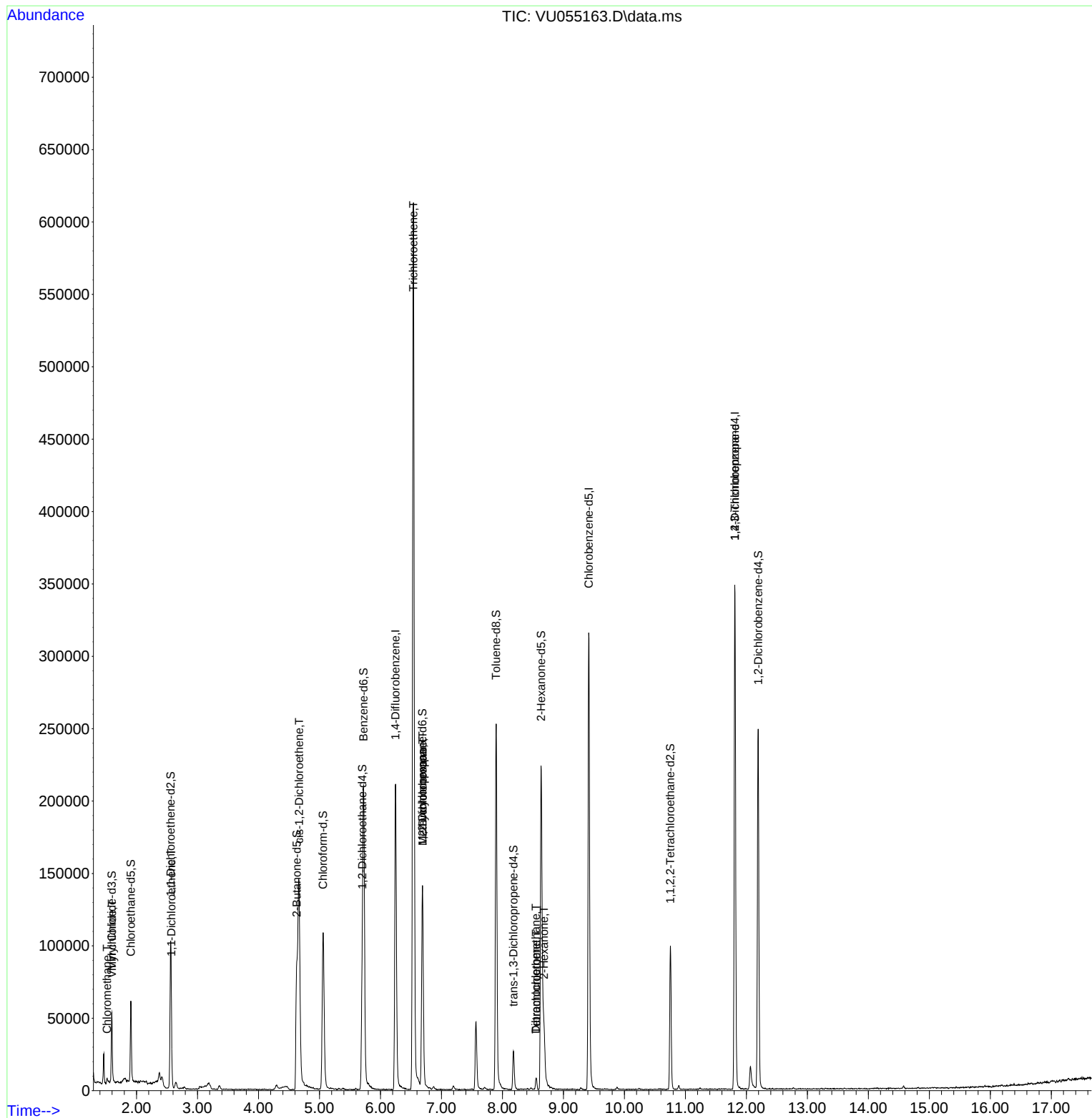
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 166914   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 171060   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152   | 88844    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 29414    | 3.760    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 75.200%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 37575    | 4.149    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 83.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 19468    | 4.368    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 87.400%  |
| 20) 2-Butanone-d5             | 4.628  | 46    | 124094   | 54.663   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.320% |
| 24) Chloroform-d              | 5.058  | 84    | 103631   | 4.992    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.701  | 65    | 54253    | 5.224    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.400% |
| 32) Benzene-d6                | 5.724  | 84    | 194159   | 4.598    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 67248    | 5.007    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.200% |
| 41) Toluene-d8                | 7.898  | 98    | 166328   | 4.276    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.600%  |
| 43) trans-1,3-Dichloroprop... | 8.180  | 79    | 15478    | 4.185    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 83.800%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 71567    | 47.664   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.320%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 49690    | 5.261    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152   | 62329    | 4.806    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.518  | 50    | 1937     | 0.196    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 5407     | 0.519    | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 964      | 0.125    | ug/L # | 1        |
| 22) cis-1,2-Dichloroethene    | 4.666  | 96    | 65668    | 6.852    | ug/L   | 93       |
| 34) Trichloroethene           | 6.541  | 95    | 208577   | 20.614   | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.692  | 83    | 13383    | 0.943    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.692  | 63    | 7137     | 0.720    | ug/L # | 88       |
| 47) Tetrachloroethene         | 8.553  | 164   | 1750     | 0.250    | ug/L   | 88       |
| 48) 2-Hexanone                | 8.682  | 43    | 20930    | 4.726    | ug/L # | 94       |
| 49) Dibromochloromethane      | 8.550  | 129   | 1667     | 0.229    | ug/L # | 9        |
| 61) 1,2,3-Trichloropropane    | 11.811 | 75    | 12702    | 2.154    | ug/L # | 70       |
| -----                         |        |       |          |          |        |          |

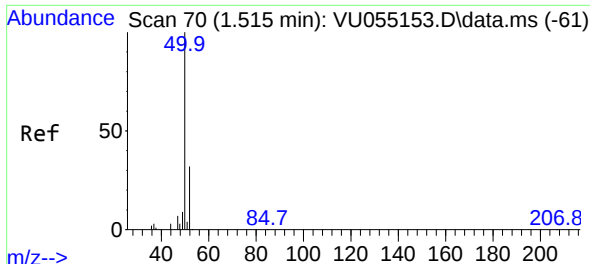
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090623\  
Data File : VU055163.D  
Acq On : 07 Sep 2023 00:58  
Operator : MD/SY  
Sample : 04286-17  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Sep 07 02:28:45 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Sep 06 05:03:37 2023  
Response via : Initial Calibration

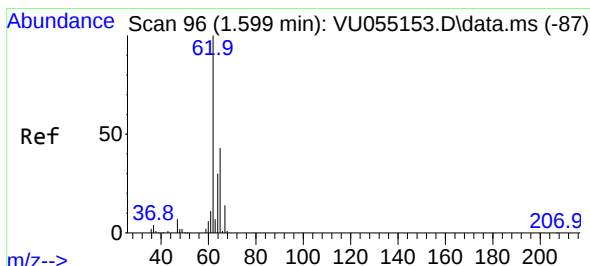
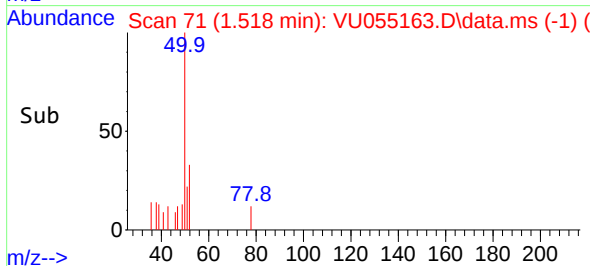
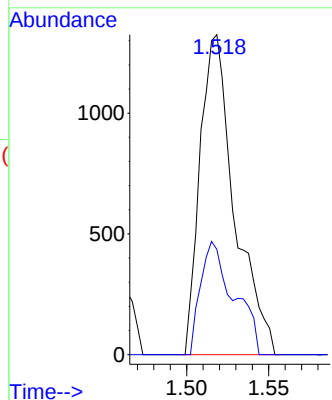
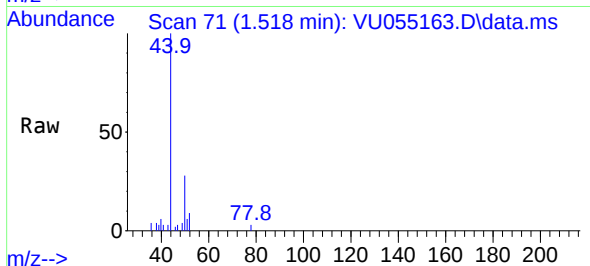




#3  
Chloromethane  
Concen: 0.196 ug/L  
RT: 1.518 min Scan# 70  
Delta R.T. 0.003 min  
Lab File: VU055163.D  
Acq: 07 Sep 2023 00:58

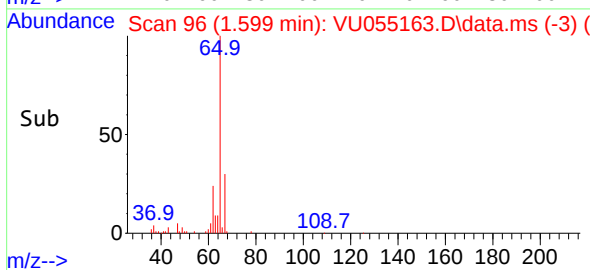
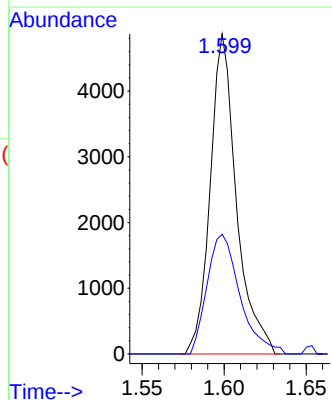
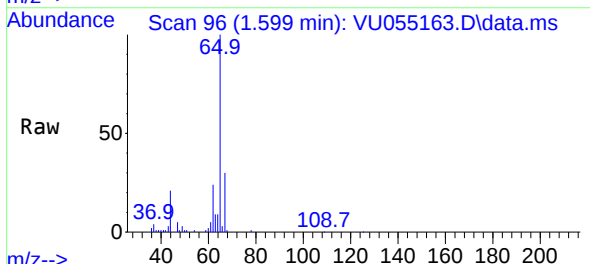
Instrument :  
MSVOA\_U  
ClientSampleId :

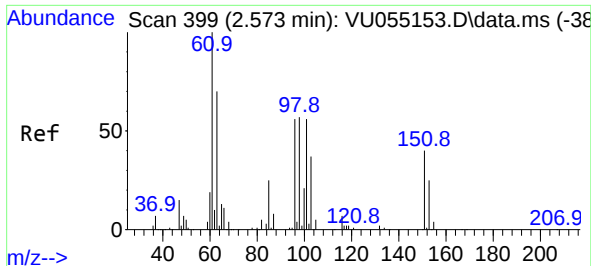
Tgt Ion: 50 Resp: 1937  
Ion Ratio Lower Upper  
50 100  
52 32.9 22.5 41.7



#5  
Vinyl chloride  
Concen: 0.519 ug/L  
RT: 1.599 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VU055163.D  
Acq: 07 Sep 2023 00:58

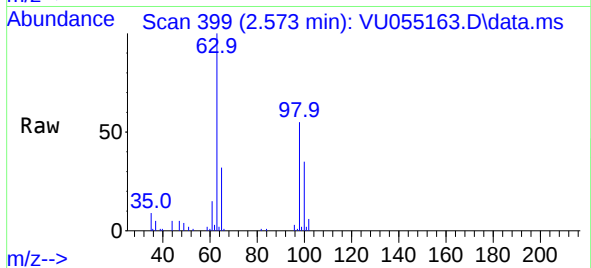
Tgt Ion: 62 Resp: 5407  
Ion Ratio Lower Upper  
62 100  
64 37.4 24.2 45.0



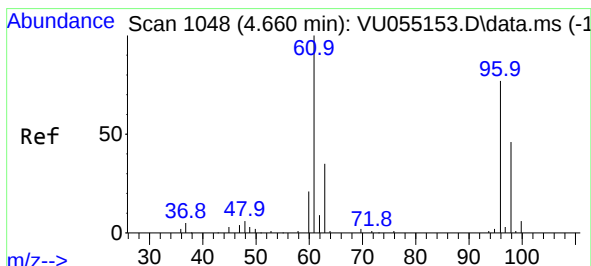
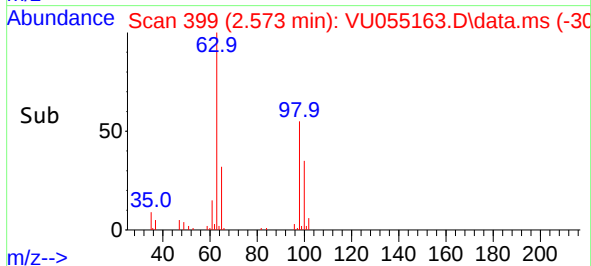
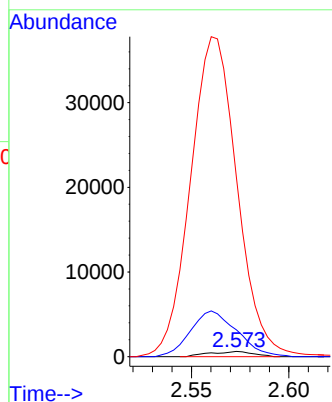


#12  
1,1-Dichloroethene  
Concen: 0.125 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU055163.D  
Acq: 07 Sep 2023 00:58

Instrument :  
MSVOA\_U  
ClientSampleId :

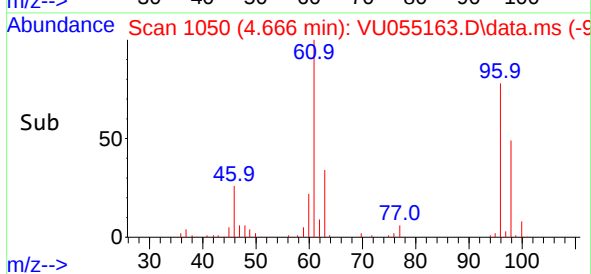
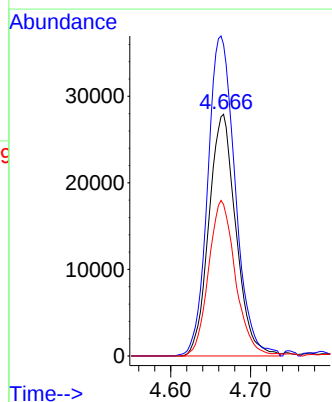
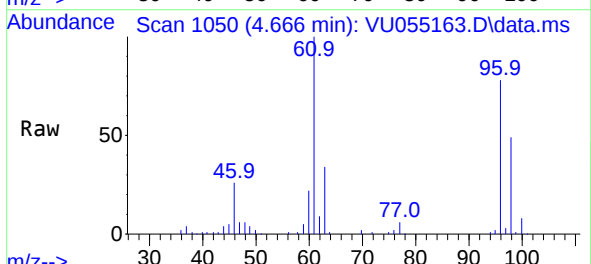


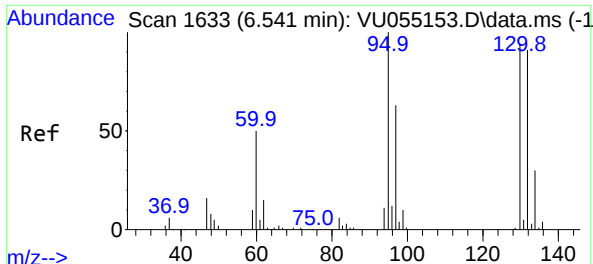
Tgt Ion: 96 Resp: 964  
Ion Ratio Lower Upper  
96 100  
61 513.6 120.8 224.4#  
63 3427.5 94.5 175.5#



#22  
cis-1,2-Dichloroethene  
Concen: 6.852 ug/L  
RT: 4.666 min Scan# 1050  
Delta R.T. 0.003 min  
Lab File: VU055163.D  
Acq: 07 Sep 2023 00:58

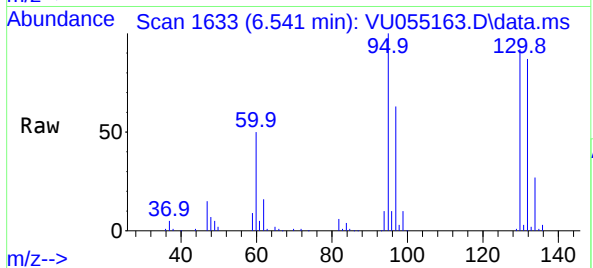
Tgt Ion: 96 Resp: 65668  
Ion Ratio Lower Upper  
96 100  
61 128.9 97.2 180.4  
98 62.7 46.1 85.7



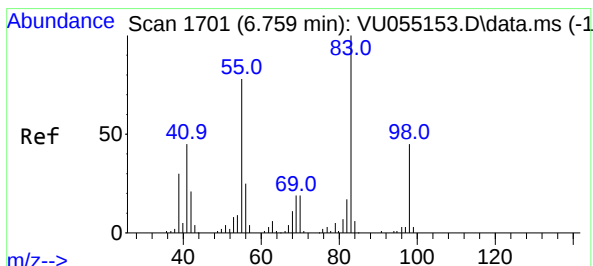
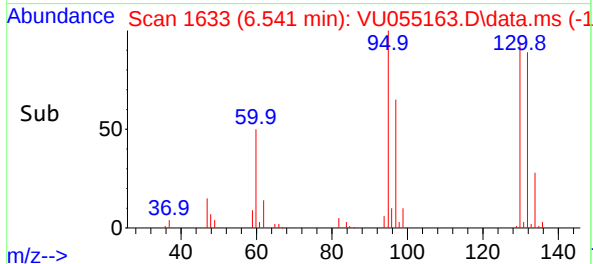
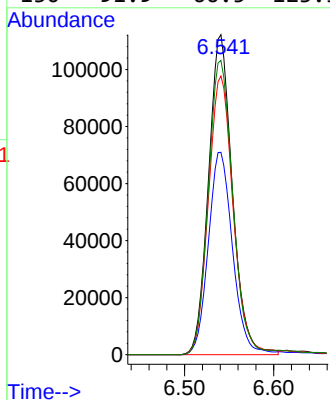


#34  
Trichloroethene  
Concen: 20.614 ug/L  
RT: 6.541 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU055163.D  
Acq: 07 Sep 2023 00:58

Instrument :  
MSVOA\_U  
ClientSampleId :

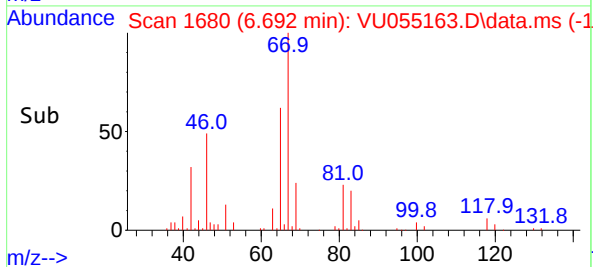
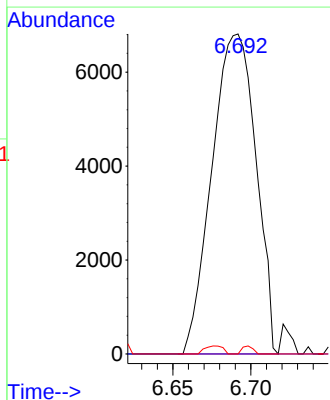
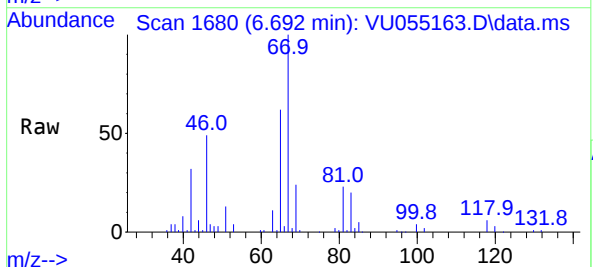


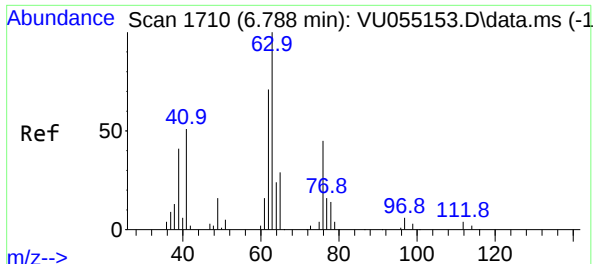
Tgt Ion: 95 Resp: 208577  
Ion Ratio Lower Upper  
95 100  
97 63.3 44.7 83.1  
132 87.1 66.6 123.6  
130 91.9 66.5 123.5



#35  
Methylcyclohexane  
Concen: 0.943 ug/L  
RT: 6.692 min Scan# 1680  
Delta R.T. -0.067 min  
Lab File: VU055163.D  
Acq: 07 Sep 2023 00:58

Tgt Ion: 83 Resp: 13383  
Ion Ratio Lower Upper  
83 100  
55 0.1 60.4 90.6#  
98 0.0 35.3 52.9#

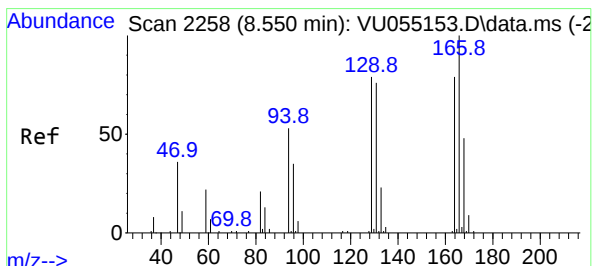
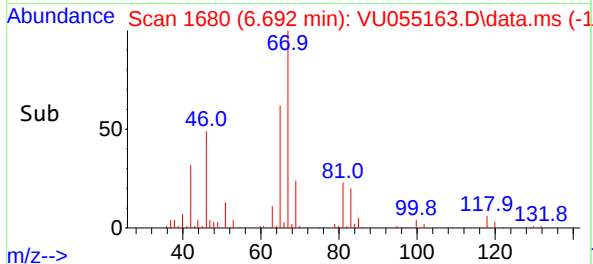
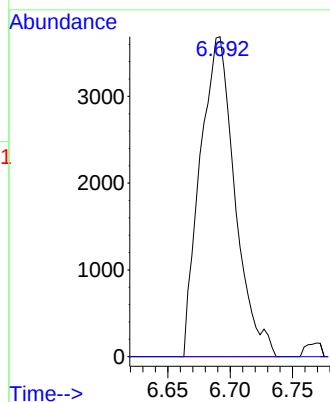
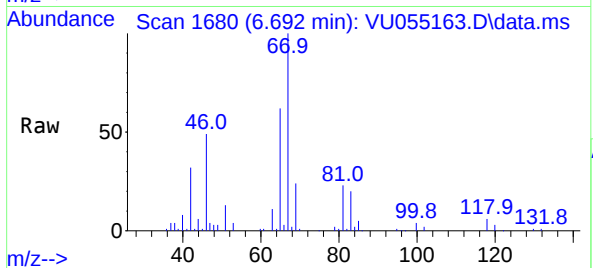




#37  
1,2-Dichloropropane  
Concen: 0.720 ug/L  
RT: 6.692 min Scan# 1  
Delta R.T. -0.096 min  
Lab File: VU055163.D  
Acq: 07 Sep 2023 00:58

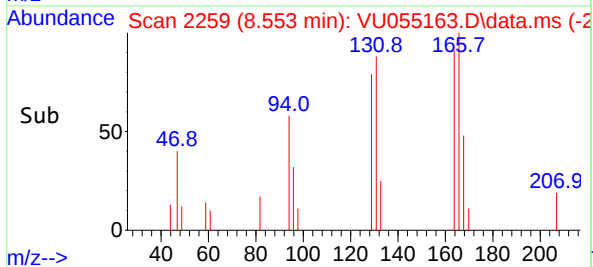
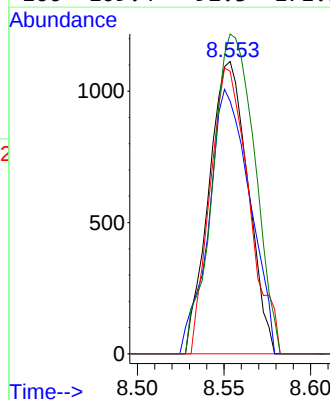
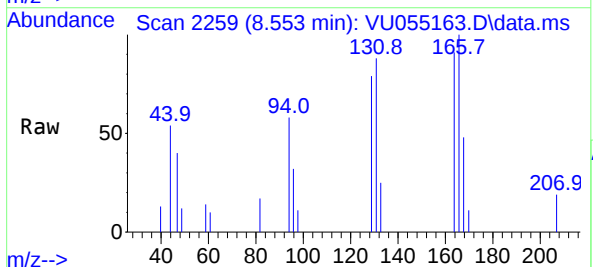
Instrument :  
MSVOA\_U  
ClientSampleId :

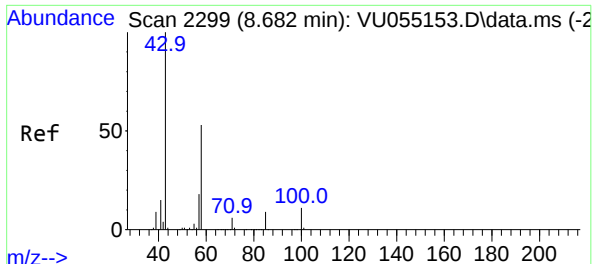
Tgt Ion: 63 Resp: 7137  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#



#47  
Tetrachloroethene  
Concen: 0.250 ug/L  
RT: 8.553 min Scan# 2259  
Delta R.T. 0.000 min  
Lab File: VU055163.D  
Acq: 07 Sep 2023 00:58

Tgt Ion:164 Resp: 1750  
Ion Ratio Lower Upper  
164 100  
129 86.4 69.2 128.6  
131 96.7 68.8 127.8  
166 109.4 92.3 171.5





#48

2-Hexanone

Concen: 4.726 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. 0.000 min

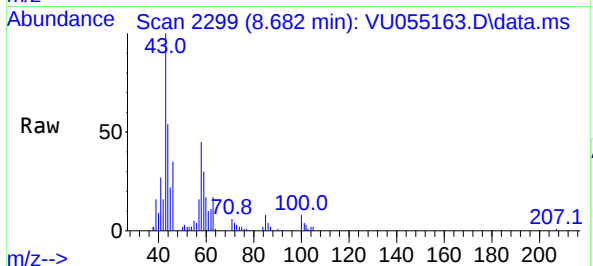
Lab File: VU055163.D

Acq: 07 Sep 2023 00:58

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 43 Resp: 20930

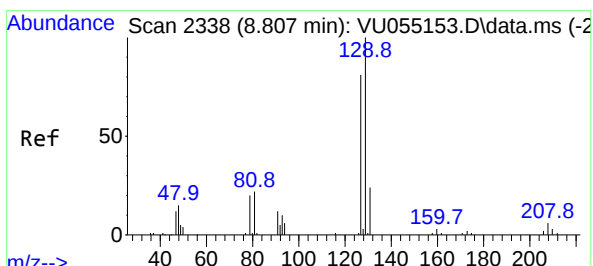
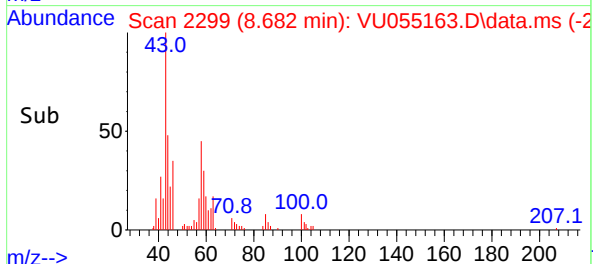
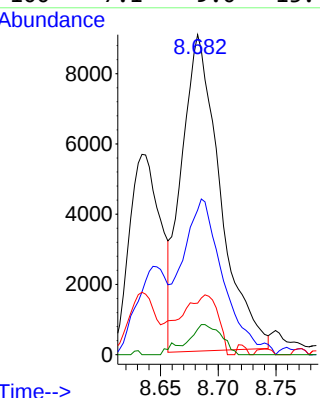
Ion Ratio Lower Upper

43 100

58 50.6 44.0 66.0

57 18.7 16.2 24.2

100 7.1 9.0 13.4#



#49

Dibromochloromethane

Concen: 0.229 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.257 min

Lab File: VU055163.D

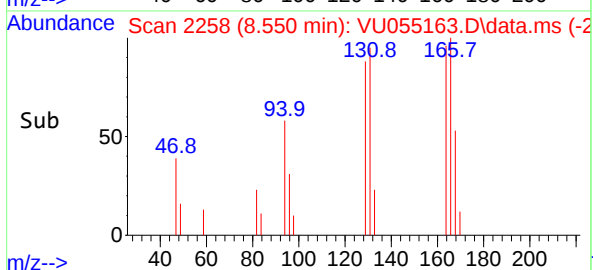
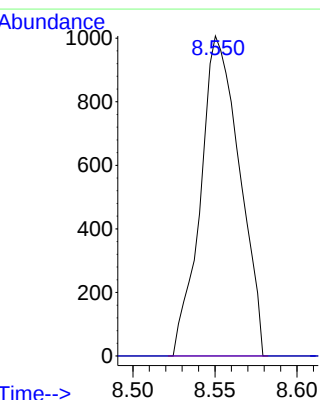
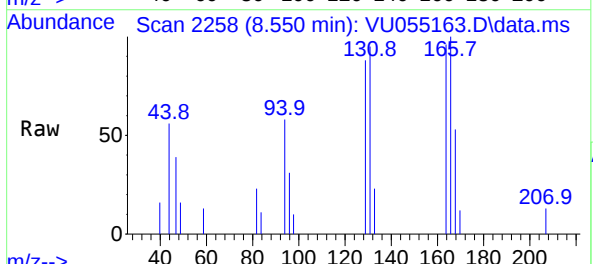
Acq: 07 Sep 2023 00:58

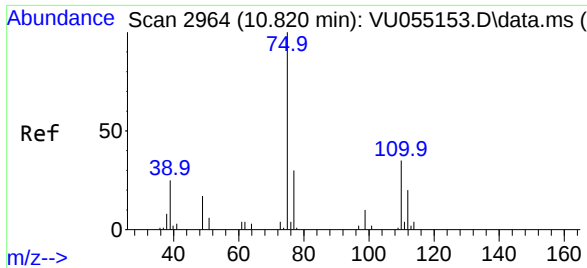
Tgt Ion:129 Resp: 1667

Ion Ratio Lower Upper

129 100

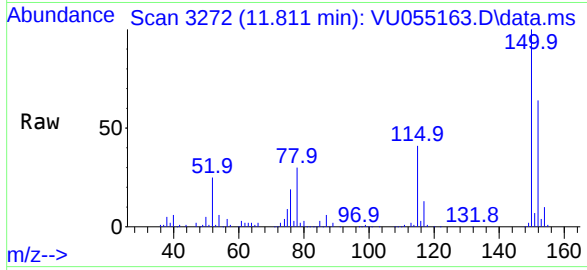
127 0.0 55.9 103.7#





#61  
 1,2,3-Trichloropropane  
 Concen: 2.154 ug/L  
 RT: 11.811 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU055163.D  
 Acq: 07 Sep 2023 00:58

Instrument :  
 MSVOA\_U  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12702 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 2.4   | 28.2  | 42.2# |
| 77       | 33.4  | 26.2  | 39.4  |

