

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061622\  
 Data File : VU049208.D  
 Acq On : 16 Jun 2022 15:29  
 Operator : SY/MD  
 Sample : N3277-20 40X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 17 01:28:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jun 17 01:23:56 2022  
 Response via : Initial Calibration

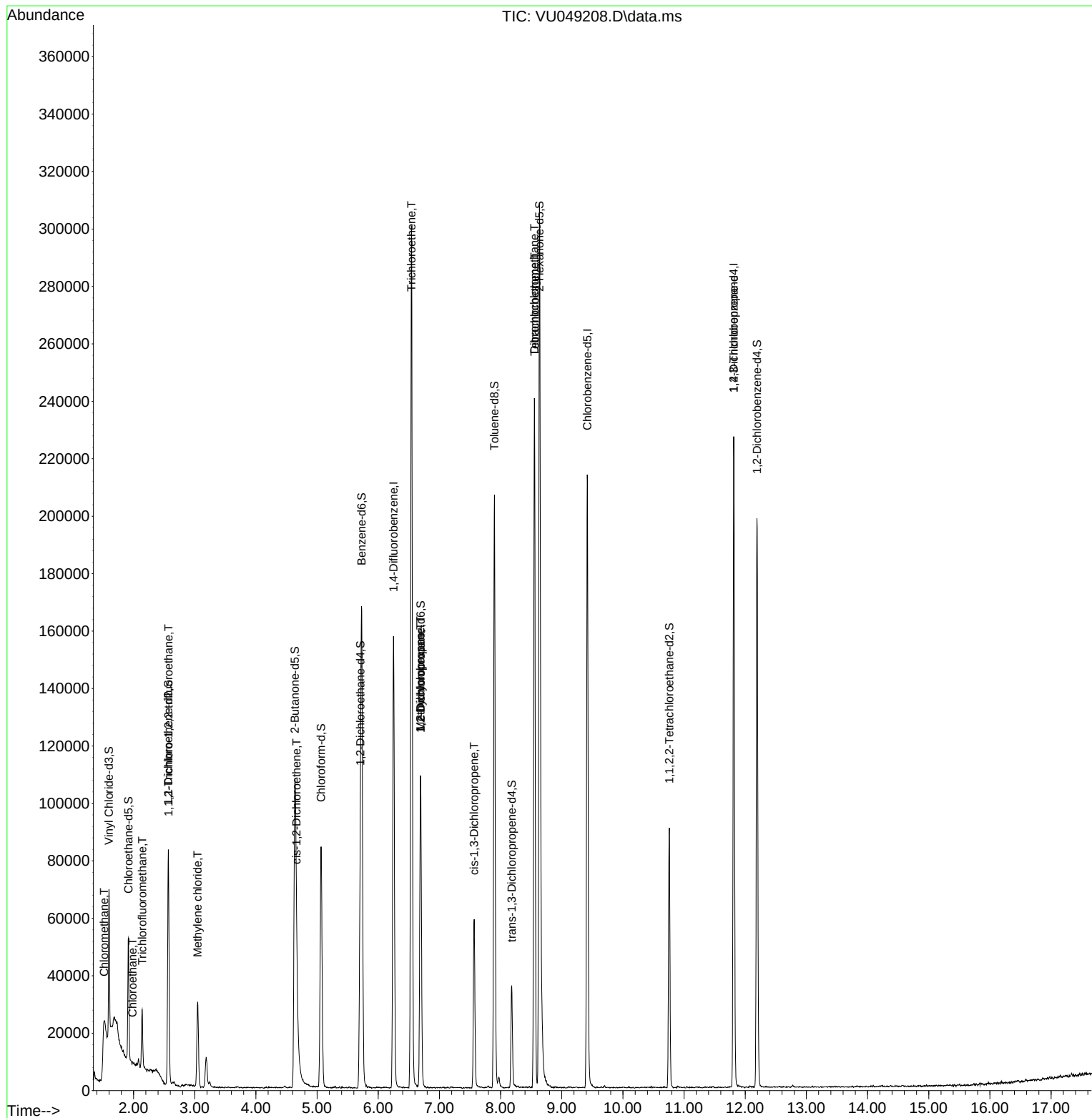
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114            | 124254   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 114949   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152            | 58281    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 37485    | 3.453  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 69.000%  |          |
| 7) Chloroethane-d5            | 1.916  | 69             | 28843    | 3.924  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 78.400%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65             | 15316    | 3.507  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 70.200%  |          |
| 20) 2-Butanone-d5             | 4.639  | 46             | 164575   | 56.771 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 113.540% |          |
| 24) Chloroform-d              | 5.067  | 84             | 75919    | 4.457  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 89.200%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65             | 45308    | 4.849  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 97.000%  |          |
| 32) Benzene-d6                | 5.729  | 84             | 149485   | 4.317  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 86.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67             | 52958    | 4.506  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 90.200%  |          |
| 41) Toluene-d8                | 7.899  | 98             | 133765   | 4.290  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 85.800%  |          |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79             | 20208    | 3.870  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 77.400%  |          |
| 46) 2-Hexanone-d5             | 8.636  | 63             | 110851   | 52.628 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 105.260% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84             | 45970    | 4.885  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 97.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152            | 50562    | 4.521  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 90.400%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 3) Chloromethane              | 1.520  | 50             | 1456     | 0.125  | ug/L #   | 42       |
| 8) Chloroethane               | 1.983  | 64             | 597      | 0.099  | ug/L #   | 55       |
| 9) Trichlorofluoromethane     | 2.141  | 101            | 12049    | 0.994  | ug/L     | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.571  | 101            | 331      | 0.046  | ug/L #   | 21       |
| 16) Methylene chloride        | 3.047  | 84             | 13295    | 1.446  | ug/L     | 96       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96             | 1716     | 0.198  | ug/L     | 84       |
| 34) Trichloroethene           | 6.542  | 95             | 102756   | 11.753 | ug/L     | 98       |
| 35) Methylcyclohexane         | 6.690  | 83             | 11334    | 0.773  | ug/L #   | 16       |
| 37) 1,2-Dichloropropane       | 6.690  | 63             | 5844     | 0.622  | ug/L #   | 89       |
| 39) cis-1,3-Dichloropropene   | 7.568  | 75             | 1431     | 0.100  | ug/L #   | 72       |
| 47) Tetrachloroethene         | 8.555  | 164            | 50825    | 8.430  | ug/L     | 97       |
| 49) Dibromochloromethane      | 8.552  | 129            | 52234    | 6.988  | ug/L #   | 10       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75             | 7465     | 1.142  | ug/L #   | 69       |
| -----                         |        |                |          |        |          |          |

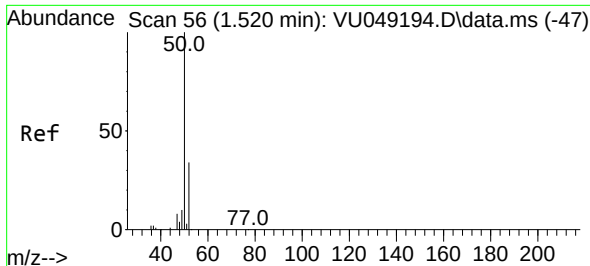
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061622\  
Data File : VU049208.D  
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Sample : N3277-20 40X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Jun 17 01:28:17 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061422WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Jun 17 01:23:56 2022  
Response via : Initial Calibration

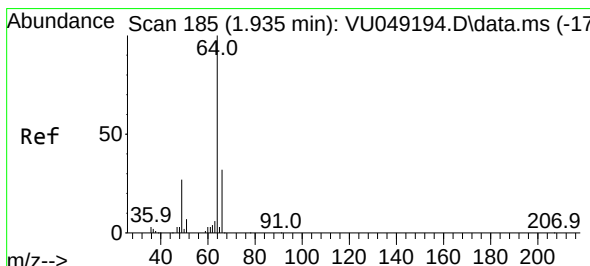
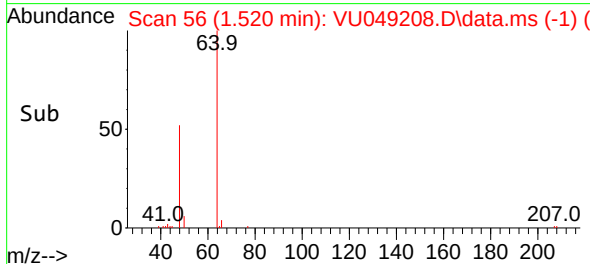
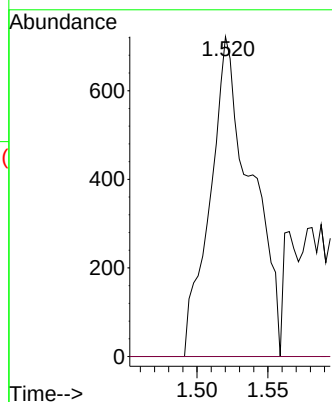
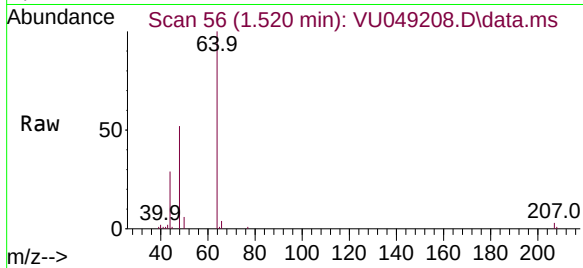




#3  
Chloromethane  
Concen: 0.125 ug/L  
RT: 1.520 min Scan# 50  
Delta R.T. -0.000 min  
Lab File: VU049208.D  
Acq: 16 Jun 2022 15:29

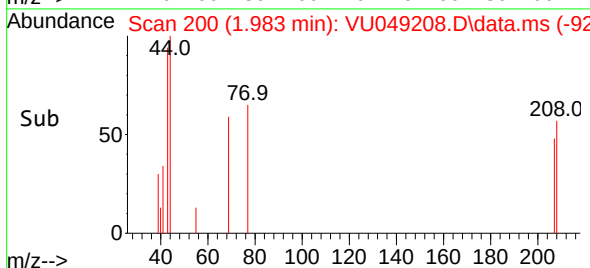
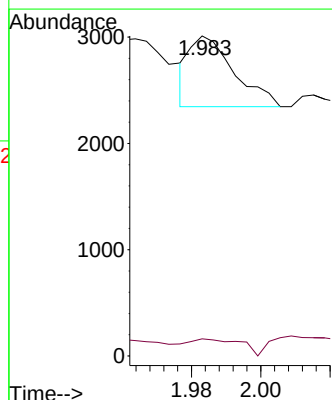
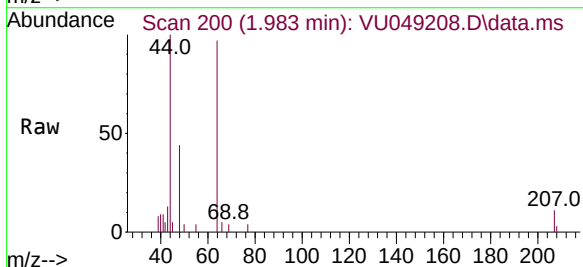
Instrument :  
MSVOA\_U  
ClientSampleId :

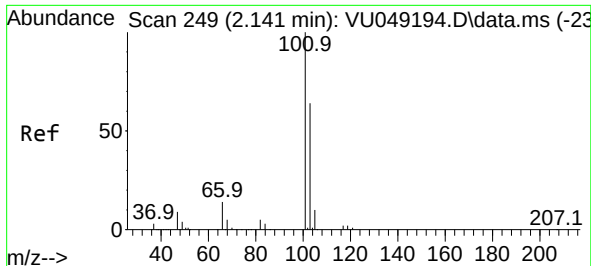
Tgt Ion: 50 Resp: 1456  
Ion Ratio Lower Upper  
50 100  
52 0.0 22.7 42.1#



#8  
Chloroethane  
Concen: 0.099 ug/L  
RT: 1.983 min Scan# 200  
Delta R.T. 0.048 min  
Lab File: VU049208.D  
Acq: 16 Jun 2022 15:29

Tgt Ion: 64 Resp: 597  
Ion Ratio Lower Upper  
64 100  
66 5.3 20.9 38.9#

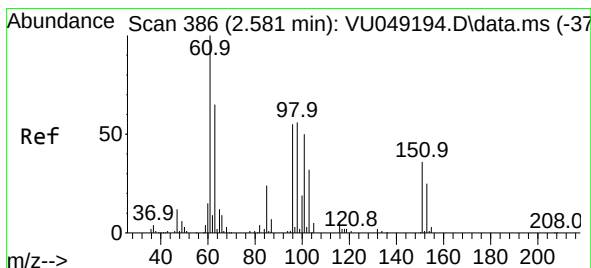
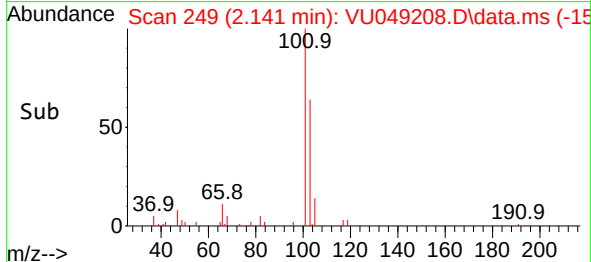
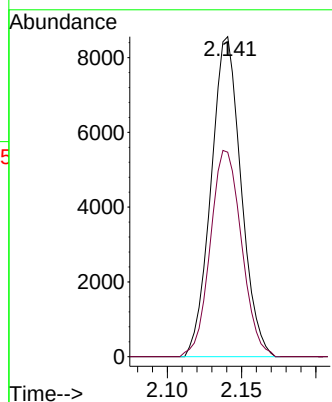
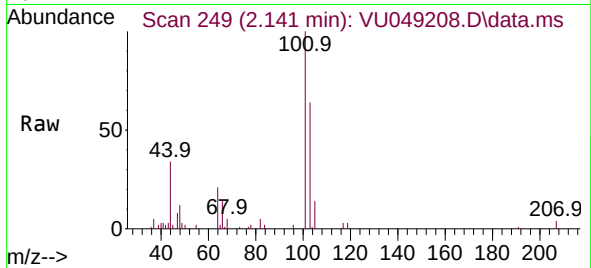




#9  
 Trichlorofluoromethane  
 Concen: 0.994 ug/L  
 RT: 2.141 min Scan# 249  
 Delta R.T. -0.000 min  
 Lab File: VU049208.D  
 Acq: 16 Jun 2022 15:29

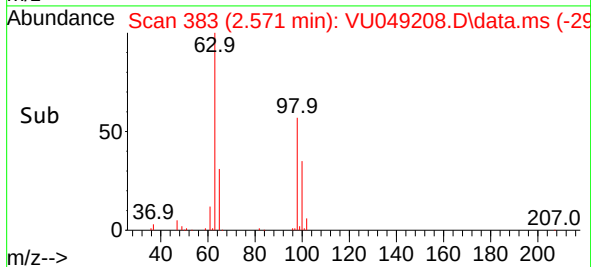
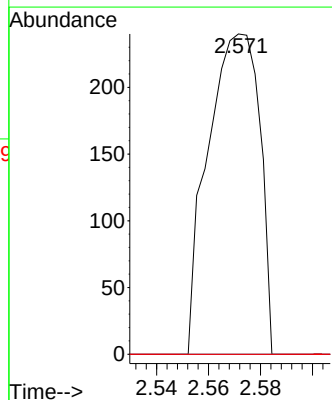
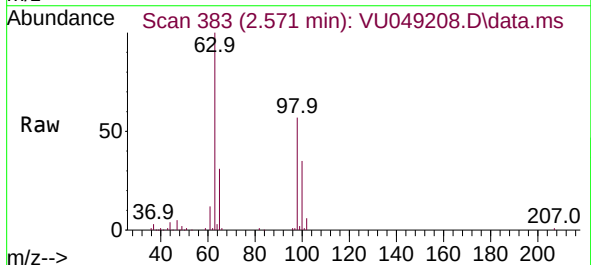
Instrument :  
 MSVOA\_U  
 ClientSampleId :

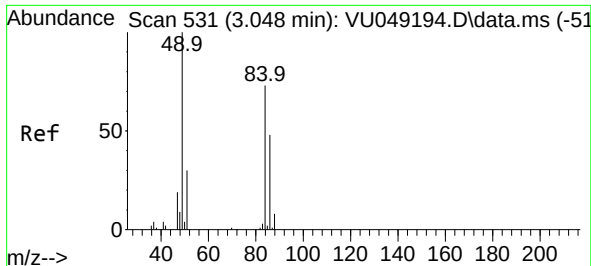
Tgt Ion:101 Resp: 12049  
 Ion Ratio Lower Upper  
 101 100  
 103 67.0 53.5 80.3



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.046 ug/L  
 RT: 2.571 min Scan# 383  
 Delta R.T. -0.010 min  
 Lab File: VU049208.D  
 Acq: 16 Jun 2022 15:29

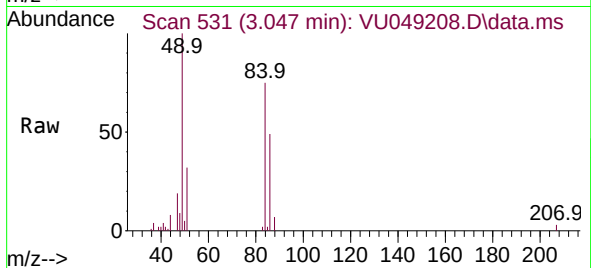
Tgt Ion:101 Resp: 331  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 36.1 54.1#  
 151 0.0 56.8 85.2#



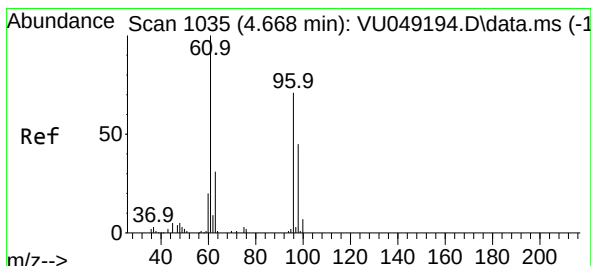
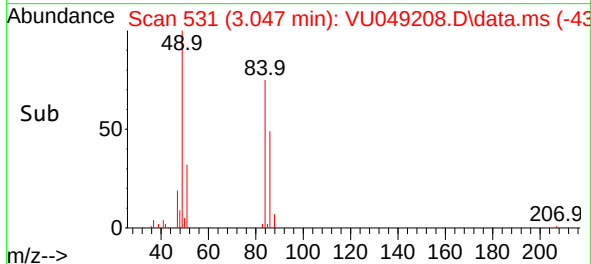
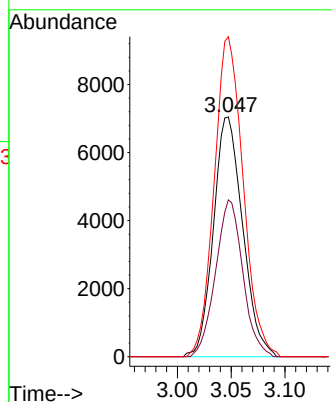


#16  
Methylene chloride  
Concen: 1.446 ug/L  
RT: 3.047 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VU049208.D  
Acq: 16 Jun 2022 15:29

Instrument :  
MSVOA\_U  
ClientSampleId :

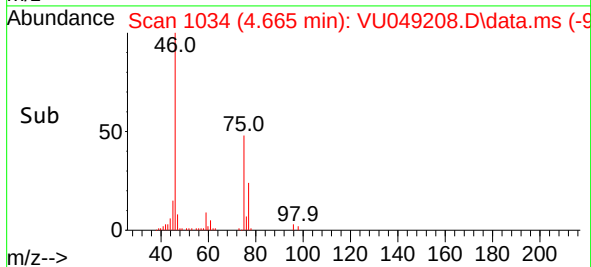
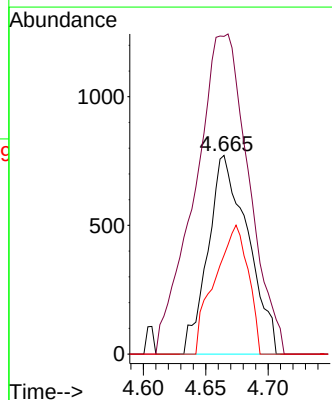
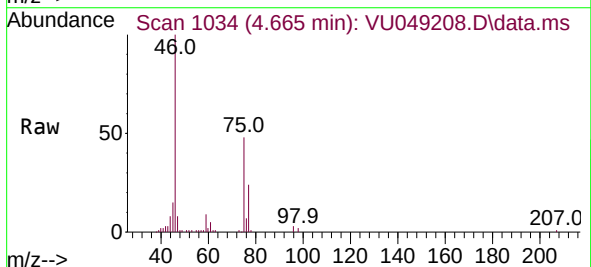


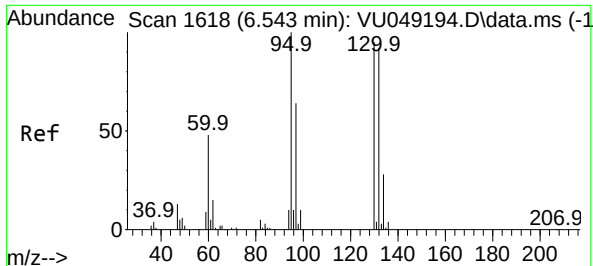
Tgt Ion: 84 Resp: 13295  
Ion Ratio Lower Upper  
84 100  
86 65.4 43.6 81.0  
49 133.5 90.2 167.6



#22  
cis-1,2-Dichloroethene  
Concen: 0.198 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. -0.003 min  
Lab File: VU049208.D  
Acq: 16 Jun 2022 15:29

Tgt Ion: 96 Resp: 1716  
Ion Ratio Lower Upper  
96 100  
61 160.0 99.5 184.9  
98 49.7 44.8 83.2





#34

Trichloroethene

Concen: 11.753 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.000 min

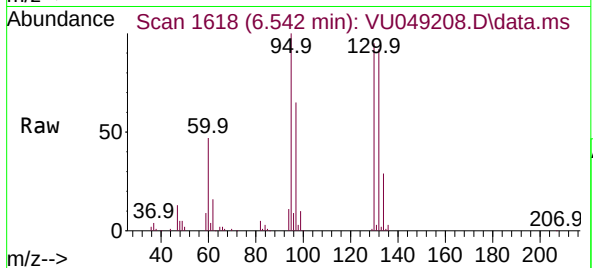
Lab File: VU049208.D

Acq: 16 Jun 2022 15:29

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 95 Resp: 102756

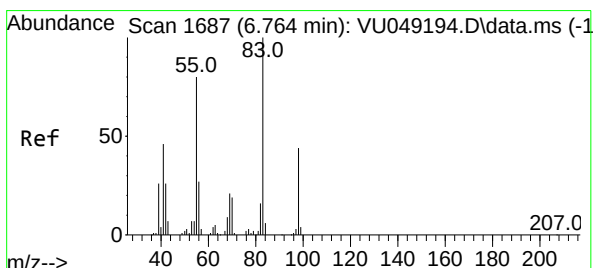
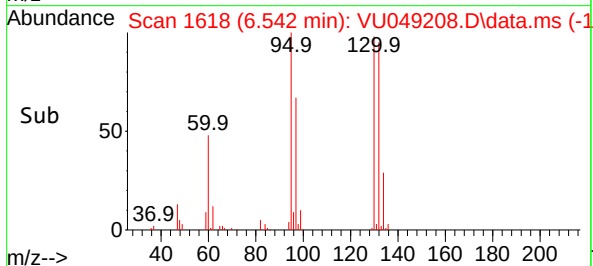
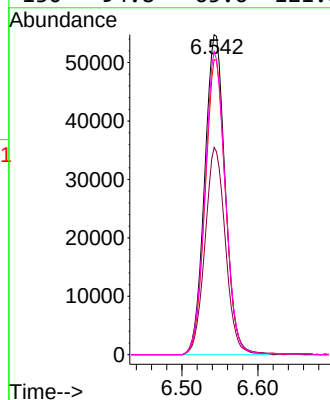
Ion Ratio Lower Upper

95 100

97 64.8 45.3 84.1

132 92.2 61.5 114.3

130 94.8 65.6 121.8



#35

Methylcyclohexane

Concen: 0.773 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.074 min

Lab File: VU049208.D

Acq: 16 Jun 2022 15:29

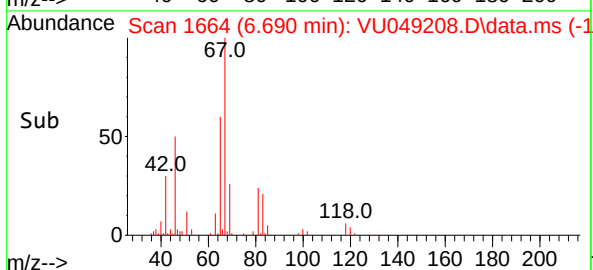
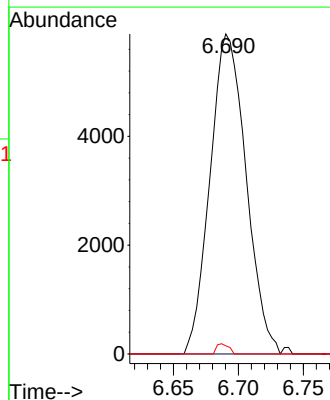
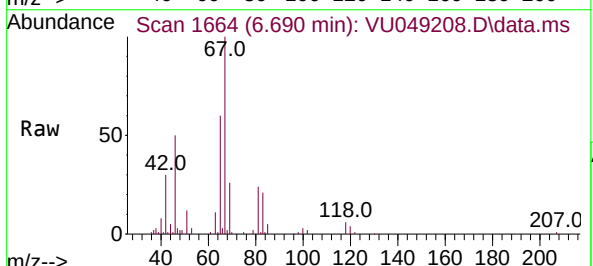
Tgt Ion: 83 Resp: 11334

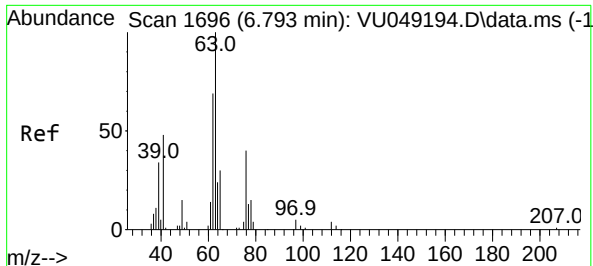
Ion Ratio Lower Upper

83 100

55 0.0 66.9 100.3#

98 1.1 35.5 53.3#





#37

1,2-Dichloropropane

Concen: 0.622 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU049208.D

Acq: 16 Jun 2022 15:29

Instrument :

MSVOA\_U

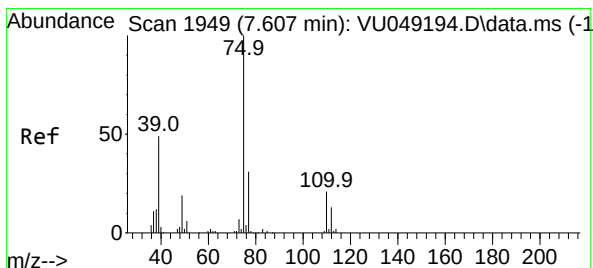
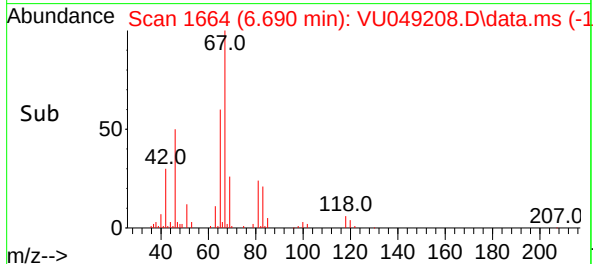
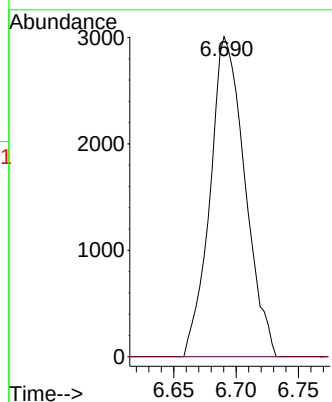
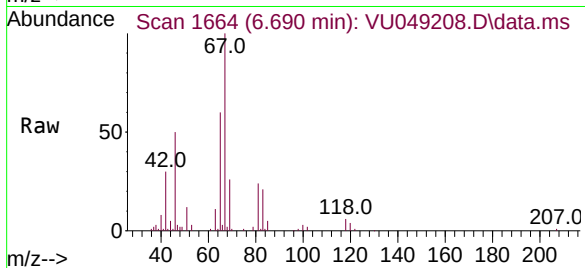
ClientSampleId :

Tgt Ion: 63 Resp: 5844

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.039 min

Lab File: VU049208.D

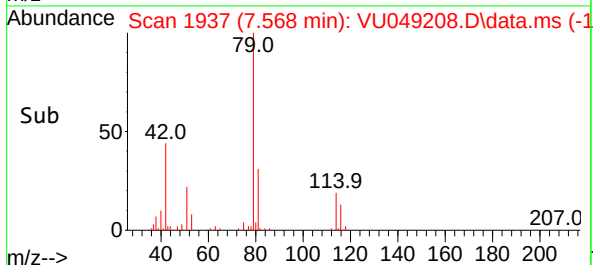
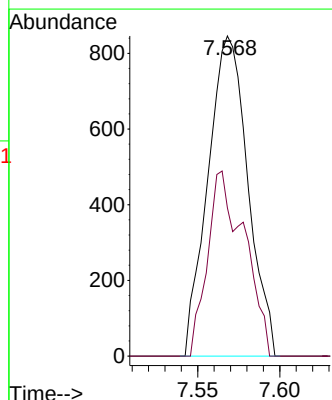
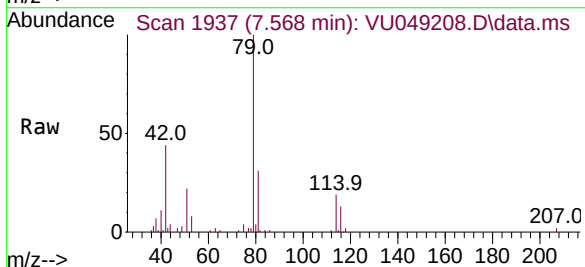
Acq: 16 Jun 2022 15:29

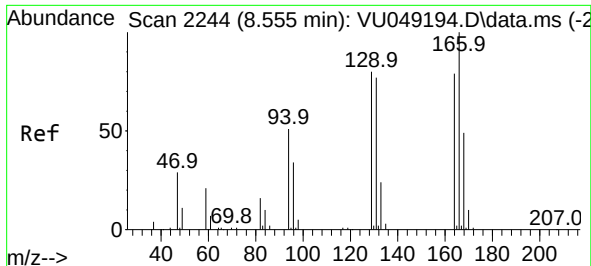
Tgt Ion: 75 Resp: 1431

Ion Ratio Lower Upper

75 100

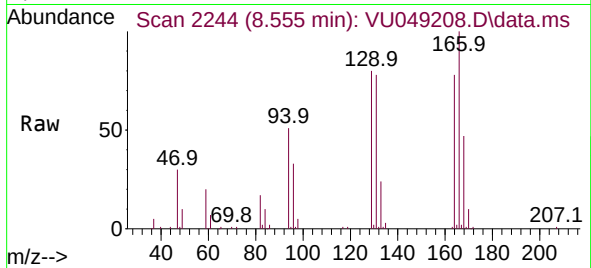
77 46.3 21.8 40.4#



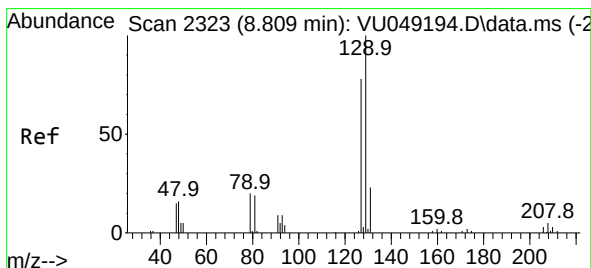
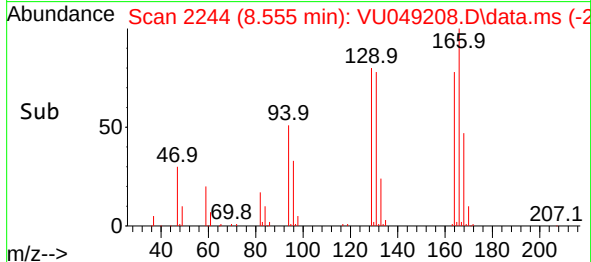
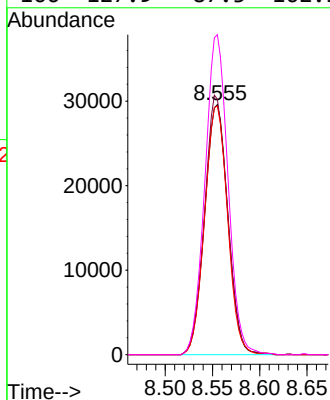


#47  
Tetrachloroethene  
Concen: 8.430 ug/L  
RT: 8.555 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU049208.D  
Acq: 16 Jun 2022 15:29

Instrument :  
MSVOA\_U  
ClientSampleId :

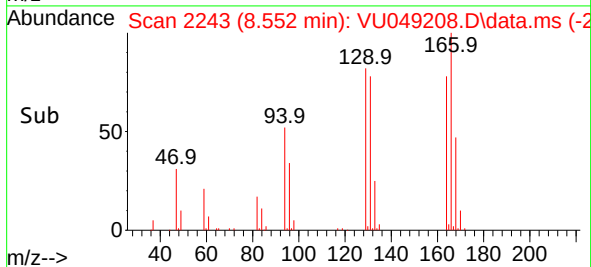
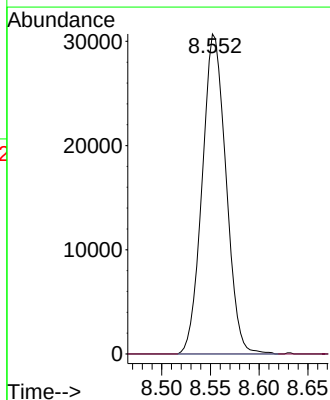
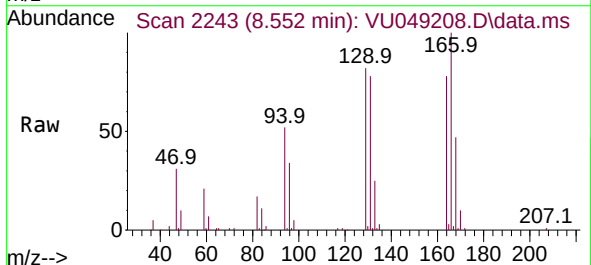


Tgt Ion:164 Resp: 50825  
Ion Ratio Lower Upper  
164 100  
129 102.2 69.8 129.6  
131 99.4 67.8 125.8  
166 127.9 87.3 162.1

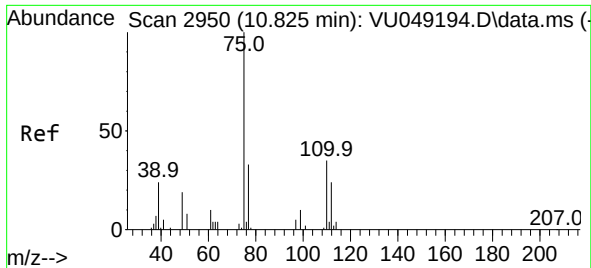


#49  
Dibromochloromethane  
Concen: 6.988 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.257 min  
Lab File: VU049208.D  
Acq: 16 Jun 2022 15:29

Tgt Ion:129 Resp: 52234  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.9 101.9#

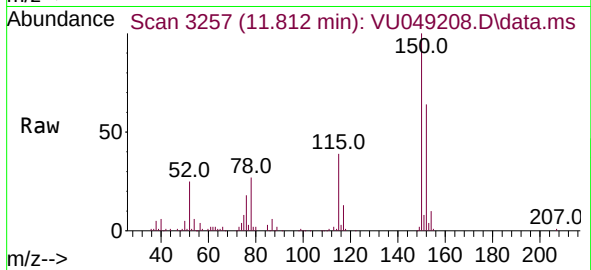






#61  
 1,2,3-Trichloropropane  
 Concen: 1.142 ug/L  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU049208.D  
 Acq: 16 Jun 2022 15:29

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 7465  
 Ion Ratio Lower Upper  
 75 100  
 110 1.6 29.0 43.4#  
 77 32.5 26.2 39.2

