

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U061522\  
 Data File : U049183.D  
 Acq On : 15 Jun 2022 20:47  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005114

Quant Time: Jun 16 04:52:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jun 16 04:45:30 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 134441   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 120568   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 63508    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 44670    | 3.803    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.000%  |
| 7) Chloroethane-d5            | 1.912  | 69    | 32309    | 4.063    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 18549    | 3.926    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.600%  |
| 20) 2-Butanone-d5             | 4.636  | 46    | 171425   | 54.653   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.300% |
| 24) Chloroform-d              | 5.063  | 84    | 88339    | 4.793    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65    | 48907    | 4.837    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.800%  |
| 32) Benzene-d6                | 5.729  | 84    | 167819   | 4.620    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 58564    | 4.751    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.000%  |
| 41) Toluene-d8                | 7.899  | 98    | 151579   | 4.635    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.600%  |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 23456    | 4.283    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 85.600%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 119855   | 54.251   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 108.500% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 48846    | 4.949    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 56494    | 4.636    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 61818    | 5.386    | ug/L   | 100      |
| 3) Chloromethane              | 1.520  | 50    | 59807    | 4.747    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.601  | 62    | 59778    | 5.289    | ug/L # | 79       |
| 6) Bromomethane               | 1.858  | 94    | 11405    | 1.834    | ug/L   | 96       |
| 8) Chloroethane               | 1.932  | 64    | 33198    | 5.074    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.138  | 101   | 74155    | 5.654    | ug/L   | 95       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101   | 42844    | 5.517    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 40276    | 5.328    | ug/L   | 98       |
| 13) Acetone                   | 2.646  | 43    | 92730    | 59.734   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.793  | 76    | 135325   | 5.420    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.957  | 43    | 23425    | 5.642    | ug/L   | 97       |
| 16) Methylene chloride        | 3.044  | 84    | 49865    | 5.014    | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73    | 120380   | 5.265    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 43637    | 5.210    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.871  | 63    | 88960    | 5.387    | ug/L   | 96       |
| 21) 2-Butanone                | 4.713  | 43    | 167896   | 56.720   | ug/L   | 100      |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96    | 49763    | 5.312    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.977  | 128   | 21338    | 5.321    | ug/L   | 96       |
| 25) Chloroform                | 5.089  | 83    | 88218    | 5.322    | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061522\  
 Data File : VU049183.D  
 Acq On : 15 Jun 2022 20:47  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

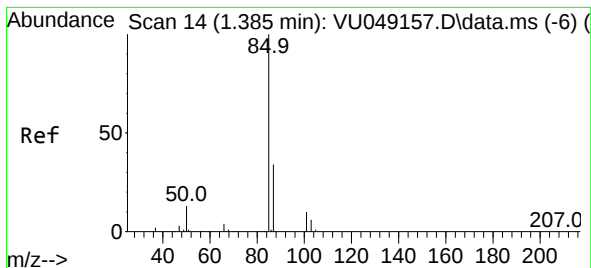
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005114

Quant Time: Jun 16 04:52:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jun 16 04:45:30 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.797  | 62   | 57690    | 5.284  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.317  | 97   | 75440    | 5.236  | ug/L   | 97       |
| 30) Cyclohexane               | 5.388  | 56   | 87924    | 5.369  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 63301    | 5.247  | ug/L   | 100      |
| 33) Benzene                   | 5.774  | 78   | 197253   | 5.498  | ug/L   | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 50073    | 5.460  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 83990    | 5.461  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 53927    | 5.471  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 64280    | 5.335  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 76838    | 5.128  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 401087   | 54.765 | ug/L   | 100      |
| 42) Toluene                   | 7.970  | 91   | 206924   | 5.439  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 64794    | 4.978  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 36204    | 5.268  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.555  | 164  | 34914    | 5.521  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.687  | 43   | 291705   | 55.802 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 40898    | 5.216  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 34937    | 5.484  | ug/L # | 96       |
| 51) Chlorobenzene             | 9.449  | 112  | 124735   | 5.385  | ug/L   | 100      |
| 52) Ethylbenzene              | 9.571  | 91   | 222885   | 5.364  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.693  | 106  | 81751    | 5.294  | ug/L   | 94       |
| 54) o-Xylene                  | 10.102 | 106  | 81579    | 5.329  | ug/L   | 100      |
| 55) Styrene                   | 10.115 | 104  | 136374   | 5.319  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 48892    | 5.376  | ug/L   | 98       |
| 59) Bromoform                 | 10.292 | 173  | 23258    | 4.876  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.484 | 105  | 218542   | 5.052  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 35195    | 4.939  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 187207   | 4.903  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 186959   | 4.942  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 95619    | 5.165  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 94280    | 5.153  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 92012    | 5.223  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 8671     | 4.465  | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 71544    | 5.153  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 62295    | 5.645  | ug/L   | 99       |
| 71) Naphthalene               | 14.089 | 128  | 125944   | 5.743  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 58475    | 5.635  | ug/L   | 98       |

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

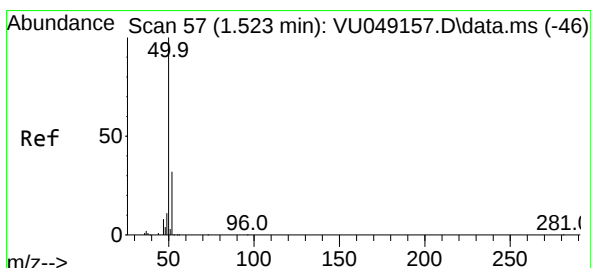
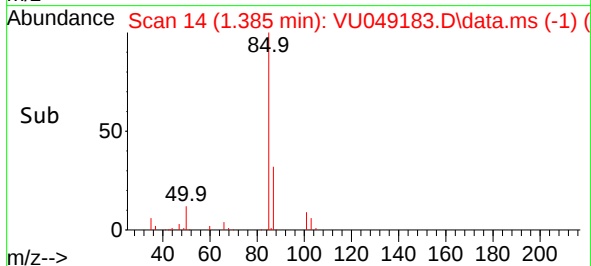
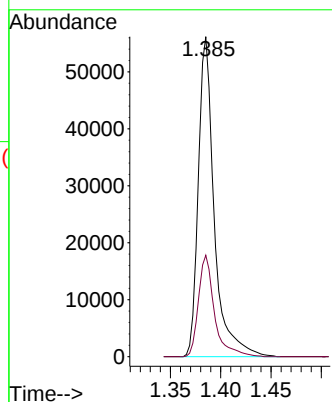
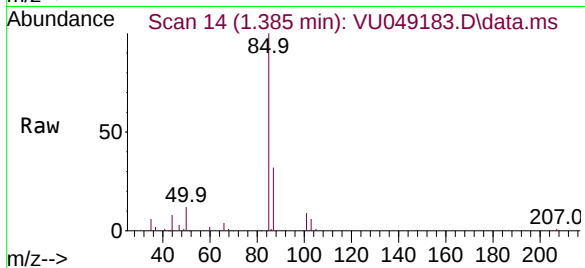




#2  
Dichlorodifluoromethane  
Concen: 5.386 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

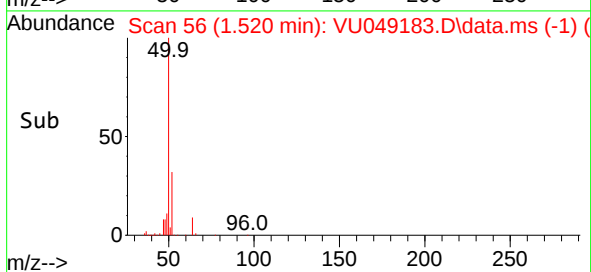
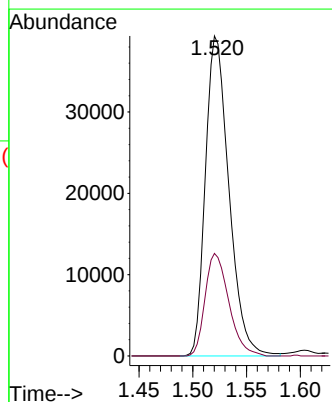
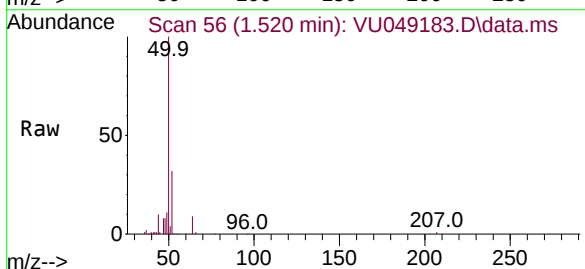
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005114

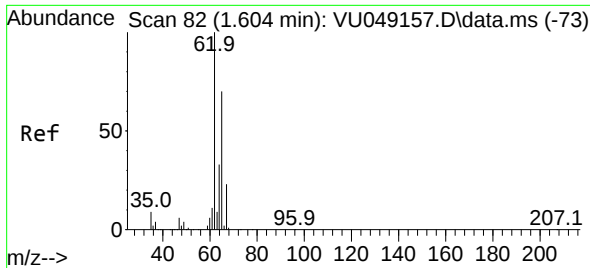
Tgt Ion: 85 Resp: 61818  
Ion Ratio Lower Upper  
85 100  
87 32.0 25.5 38.3



#3  
Chloromethane  
Concen: 4.747 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. -0.003 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

Tgt Ion: 50 Resp: 59807  
Ion Ratio Lower Upper  
50 100  
52 32.0 22.7 42.1

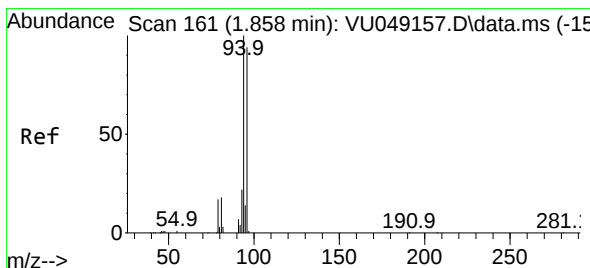
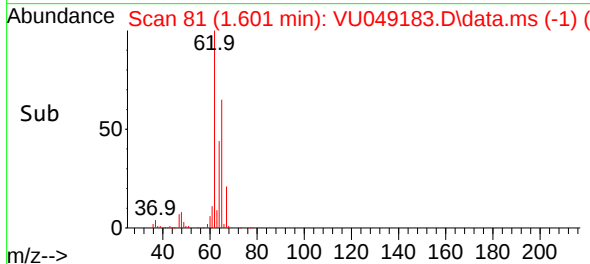
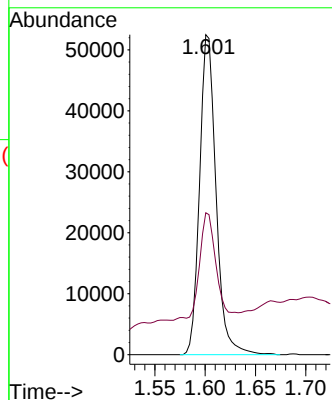
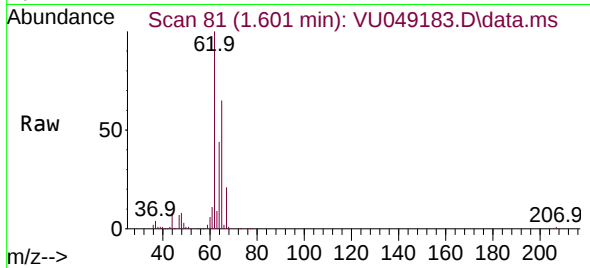




#5  
 Vinyl chloride  
 Concen: 5.289 ug/L  
 RT: 1.601 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VU049183.D  
 Acq: 15 Jun 2022 20:47

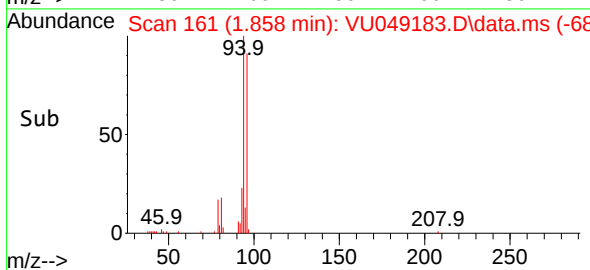
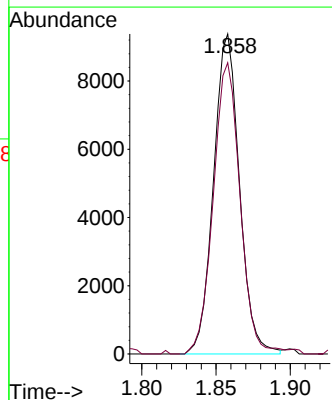
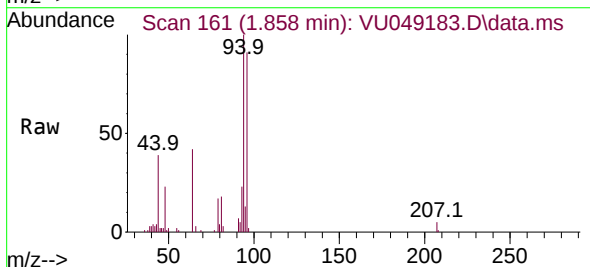
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005114

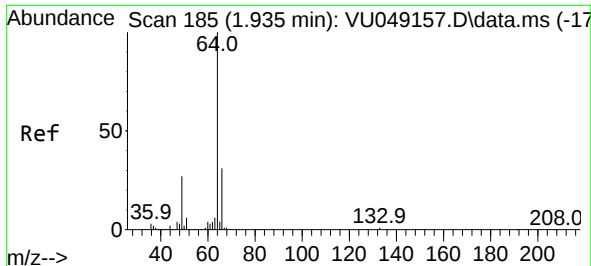
Tgt Ion: 62 Resp: 59778  
 Ion Ratio Lower Upper  
 62 100  
 64 44.4 22.8 42.4#



#6  
 Bromomethane  
 Concen: 1.834 ug/L  
 RT: 1.858 min Scan# 161  
 Delta R.T. 0.000 min  
 Lab File: VU049183.D  
 Acq: 15 Jun 2022 20:47

Tgt Ion: 94 Resp: 11405  
 Ion Ratio Lower Upper  
 94 100  
 96 91.0 66.4 123.4

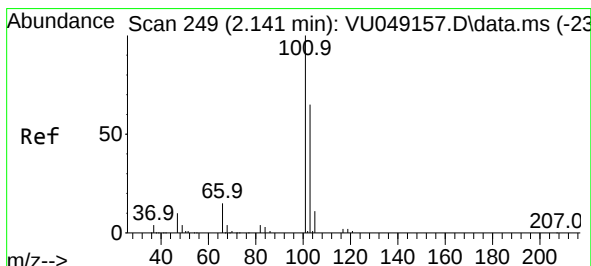
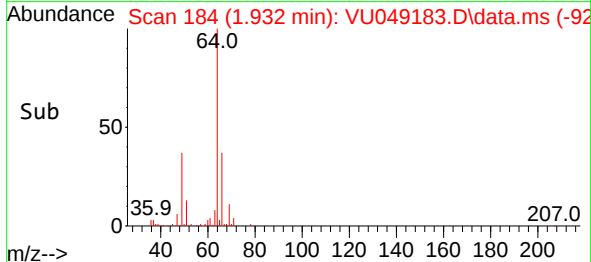
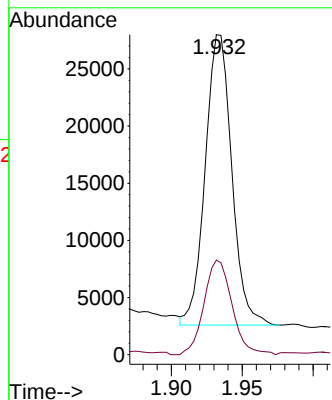
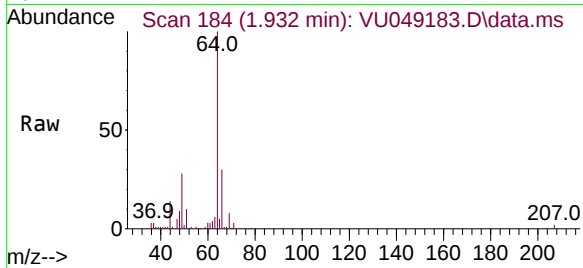




#8  
Chloroethane  
Concen: 5.074 ug/L  
RT: 1.932 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

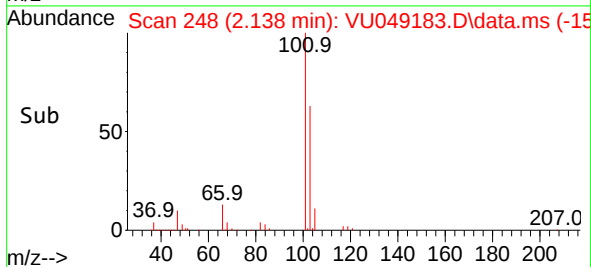
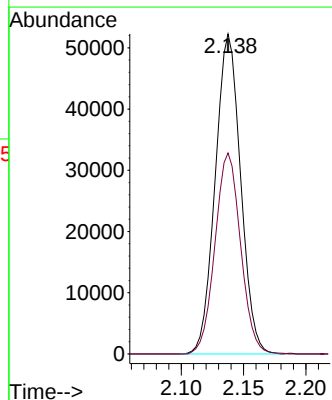
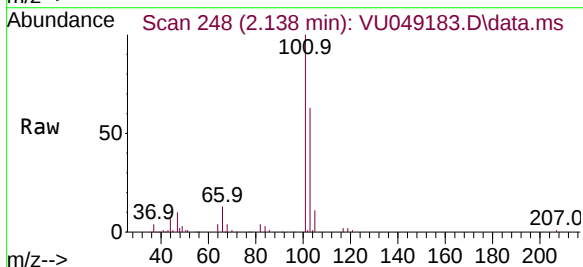
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005114

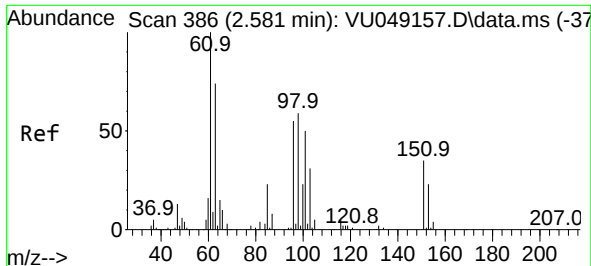
Tgt Ion: 64 Resp: 33198  
Ion Ratio Lower Upper  
64 100  
66 29.6 20.9 38.9



#9  
Trichlorofluoromethane  
Concen: 5.654 ug/L  
RT: 2.138 min Scan# 248  
Delta R.T. -0.003 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

Tgt Ion: 101 Resp: 74155  
Ion Ratio Lower Upper  
101 100  
103 63.3 53.5 80.3

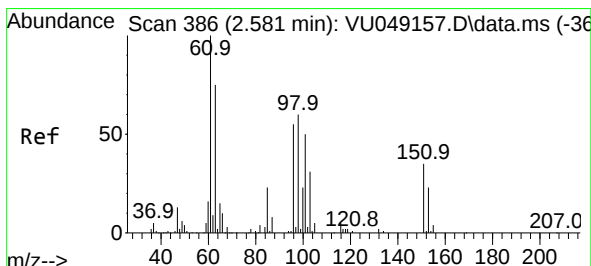
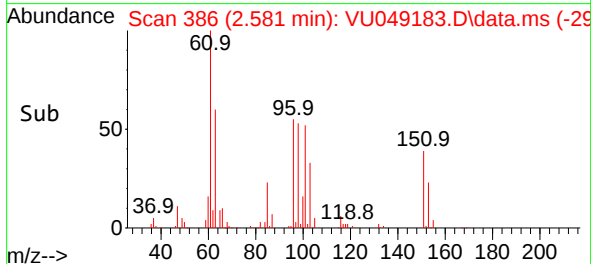
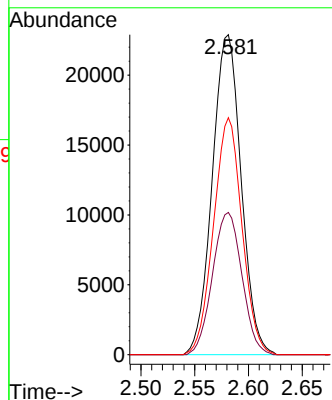
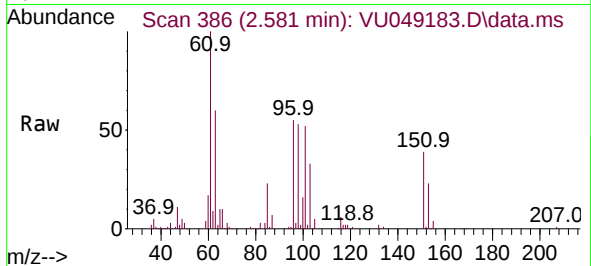




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.517 ug/L  
 RT: 2.581 min Scan# 386  
 Delta R.T. 0.000 min  
 Lab File: VU049183.D  
 Acq: 15 Jun 2022 20:47

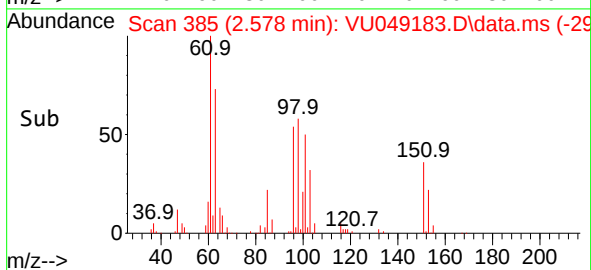
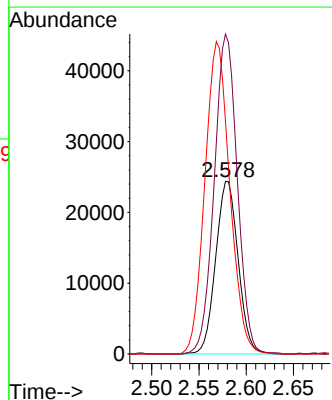
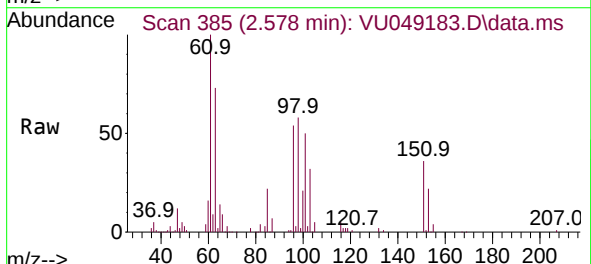
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005114

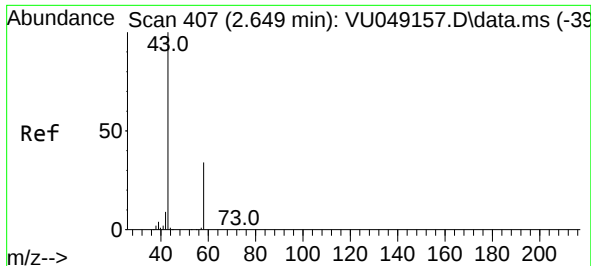
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 Ion Ratio Lower Upper  
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 151 72.8 56.8 85.2



#12  
 1,1-Dichloroethene  
 Concen: 5.328 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.003 min  
 Lab File: VU049183.D  
 Acq: 15 Jun 2022 20:47

Tgt Ion: 96 Resp: 40276  
 Ion Ratio Lower Upper  
 96 100  
 61 185.4 127.2 236.2  
 63 134.9 94.7 175.9





#13

Acetone

Concen: 59.734 ug/L

RT: 2.646 min Scan# 407

Delta R.T. -0.003 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

Instrument :

MSVOA\_U

ClientSampleId :

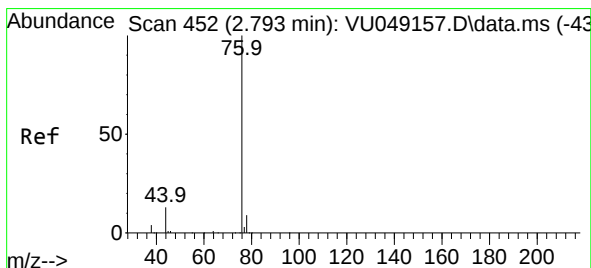
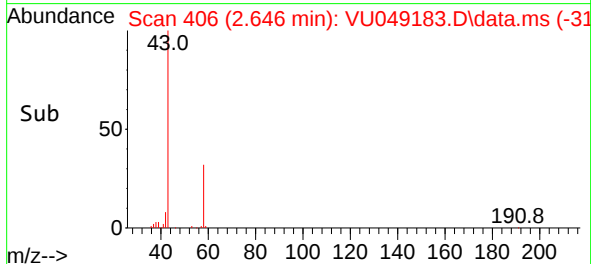
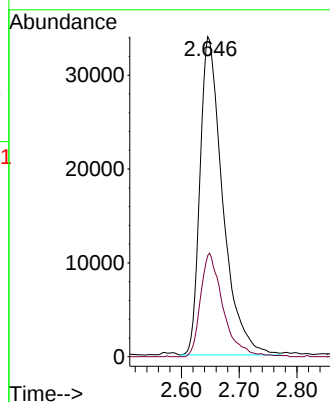
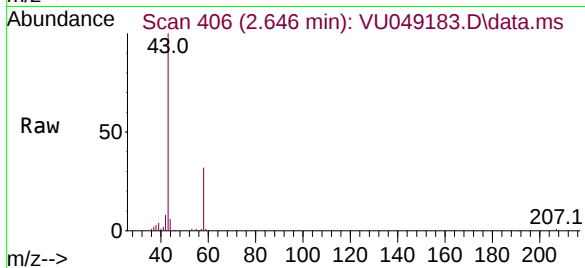
VSTD005114

Tgt Ion: 43 Resp: 92730

Ion Ratio Lower Upper

43 100

58 32.0 0.0 65.8



#14

Carbon disulfide

Concen: 5.420 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU049183.D

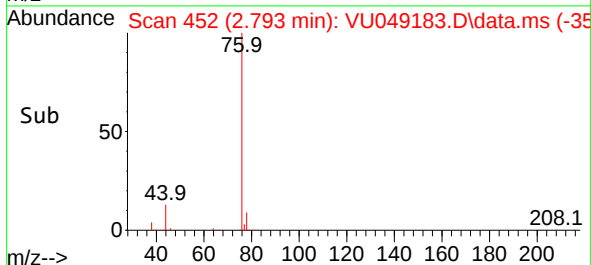
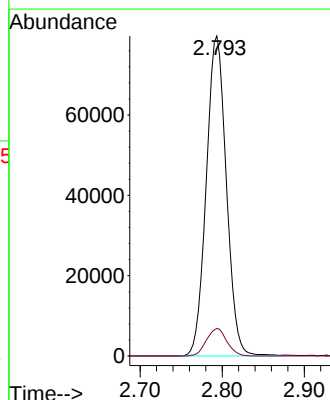
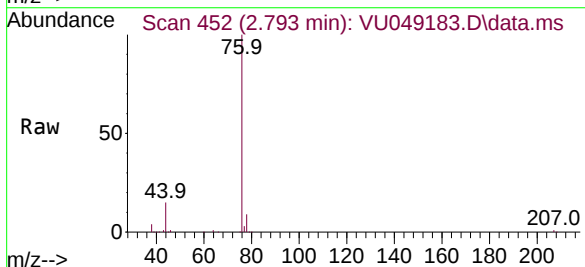
Acq: 15 Jun 2022 20:47

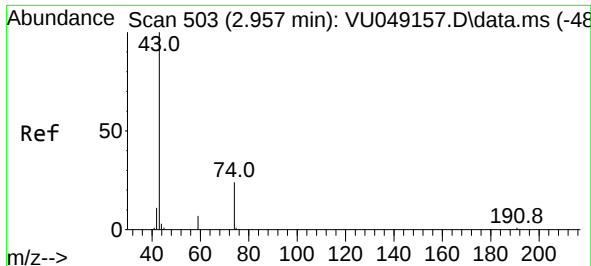
Tgt Ion: 76 Resp: 135325

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3

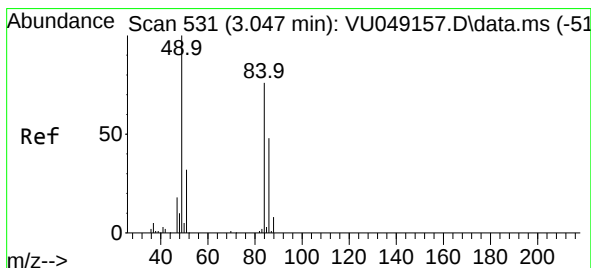
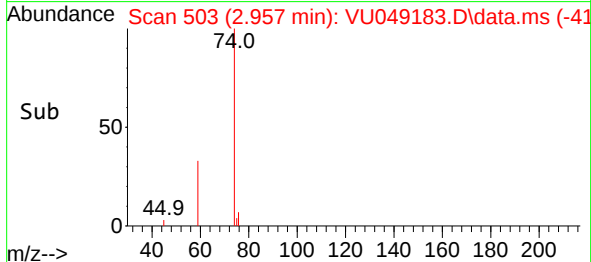
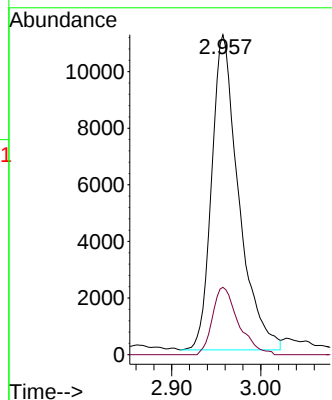
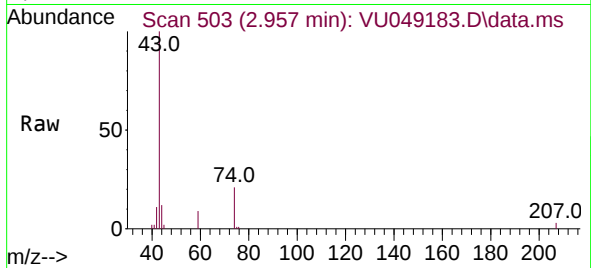




#15  
Methyl Acetate  
Concen: 5.642 ug/L  
RT: 2.957 min Scan# 503  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

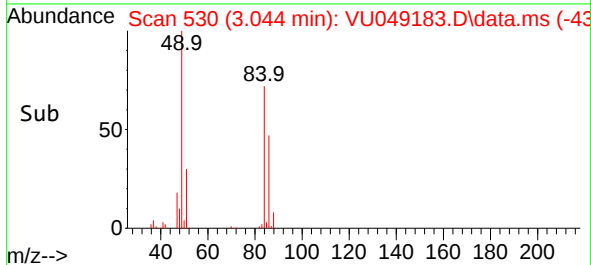
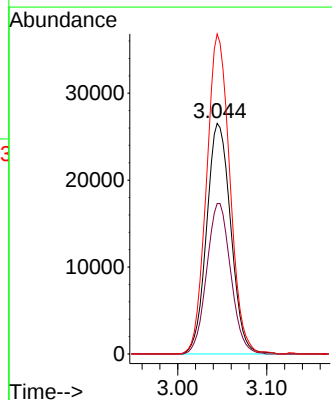
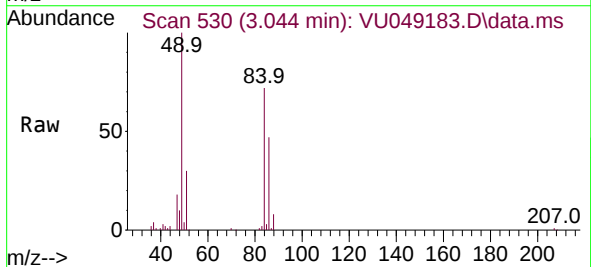
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005114

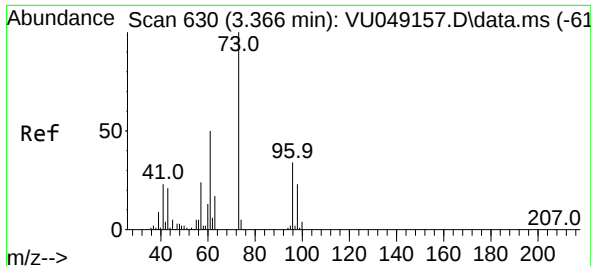
Tgt Ion: 43 Resp: 23425  
Ion Ratio Lower Upper  
43 100  
74 20.5 17.6 26.4



#16  
Methylene chloride  
Concen: 5.014 ug/L  
RT: 3.044 min Scan# 530  
Delta R.T. -0.003 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

Tgt Ion: 84 Resp: 49865  
Ion Ratio Lower Upper  
84 100  
86 65.2 43.6 81.0  
49 138.8 90.2 167.6

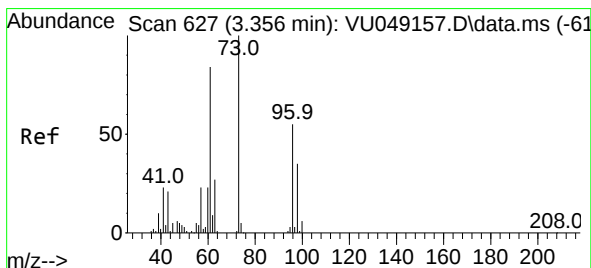
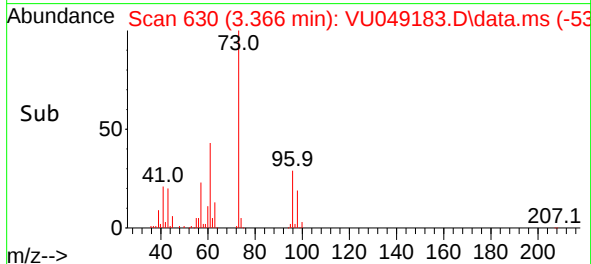
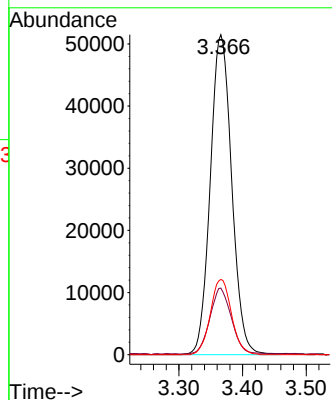
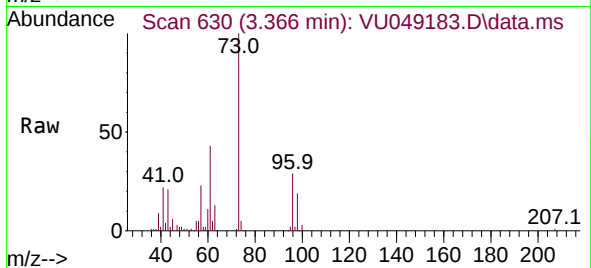




#17  
Methyl tert-butyl Ether  
Concen: 5.265 ug/L  
RT: 3.366 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

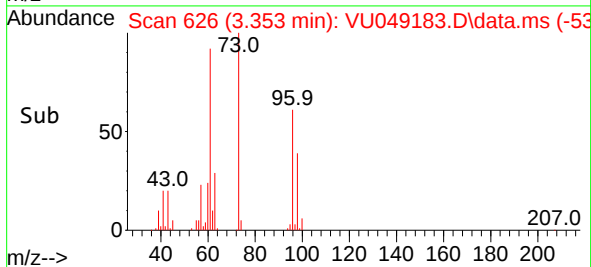
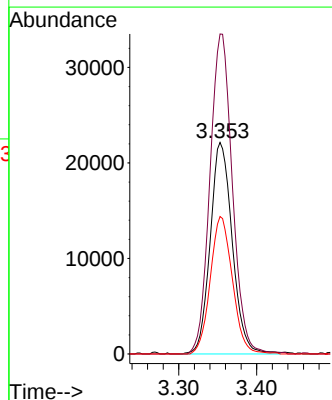
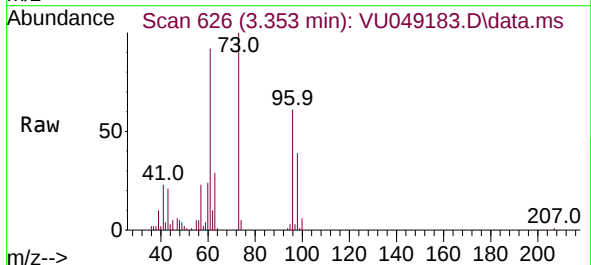
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005114

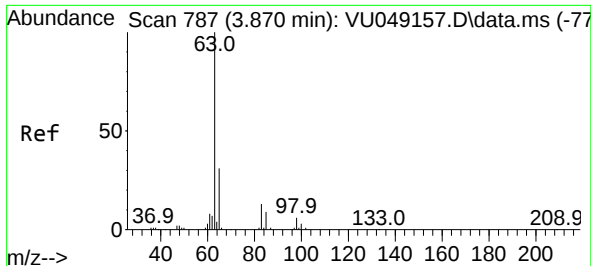
Tgt Ion: 73 Resp: 120380  
Ion Ratio Lower Upper  
73 100  
43 20.5 16.5 24.7  
57 23.2 18.6 27.8



#18  
trans-1,2-Dichloroethene  
Concen: 5.210 ug/L  
RT: 3.353 min Scan# 626  
Delta R.T. -0.003 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

Tgt Ion: 96 Resp: 43637  
Ion Ratio Lower Upper  
96 100  
61 151.3 103.3 191.9  
98 65.0 44.0 81.8





#19

1,1-Dichloroethane

Concen: 5.387 ug/L

RT: 3.871 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005114

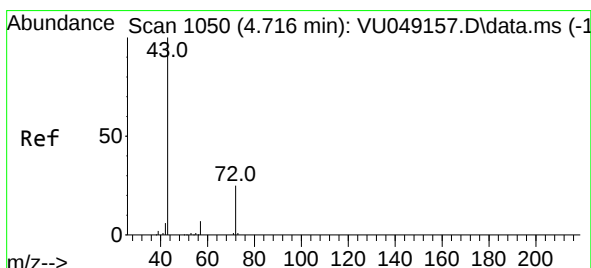
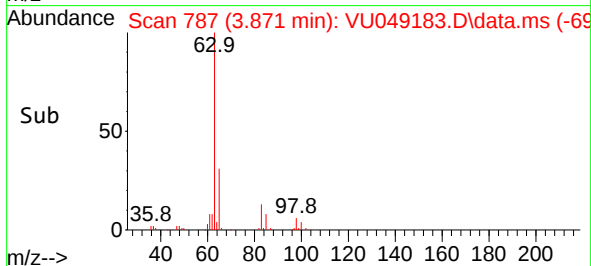
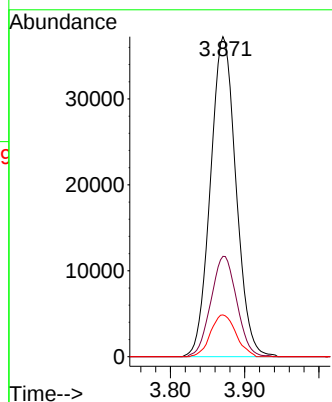
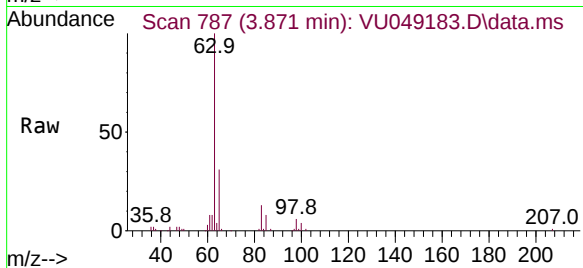
Tgt Ion: 63 Resp: 88960

Ion Ratio Lower Upper

63 100

65 31.4 24.0 44.6

83 13.1 9.1 16.9



#21

2-Butanone

Concen: 56.720 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU049183.D

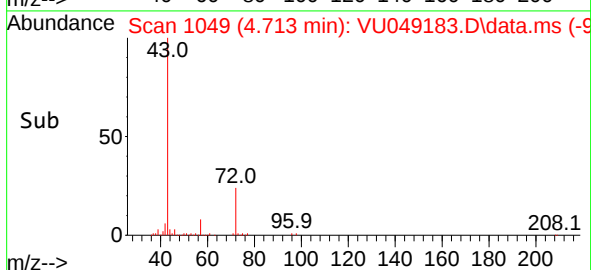
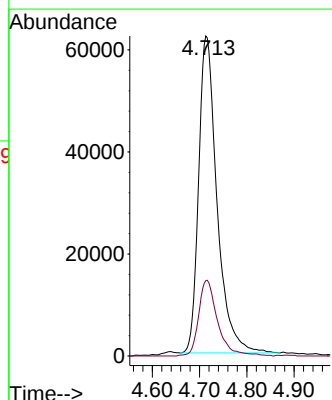
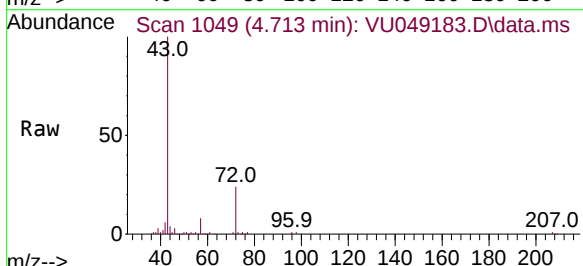
Acq: 15 Jun 2022 20:47

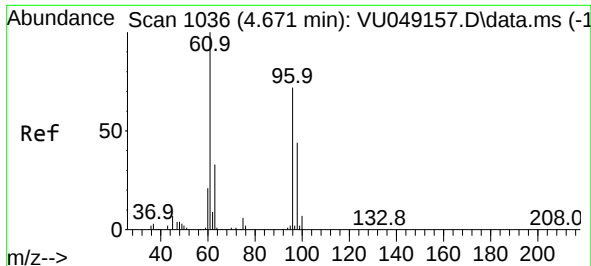
Tgt Ion: 43 Resp: 167896

Ion Ratio Lower Upper

43 100

72 24.3 12.2 36.6

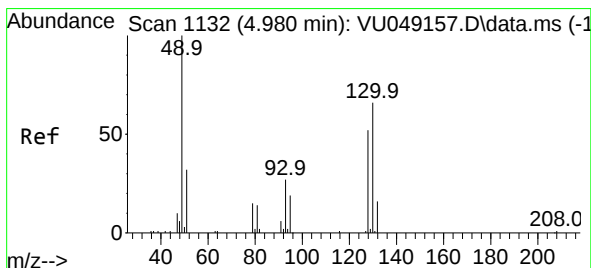
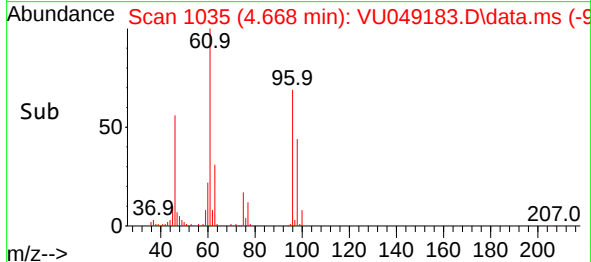
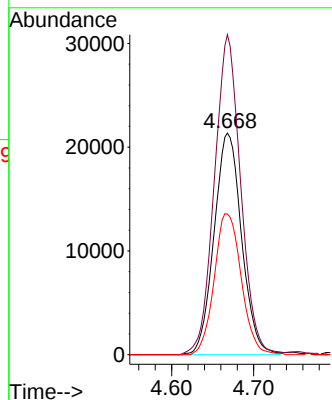
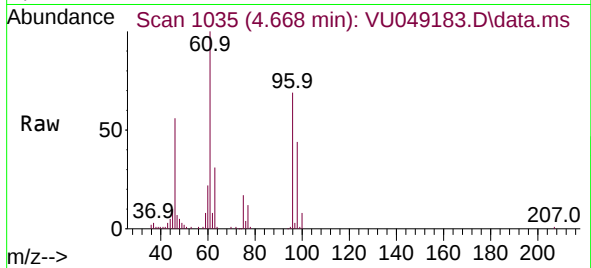




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.312 ug/L  
 RT: 4.668 min Scan# 1035  
 Delta R.T. -0.003 min  
 Lab File: VU049183.D  
 Acq: 15 Jun 2022 20:47

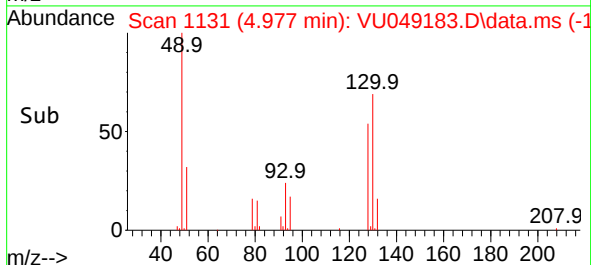
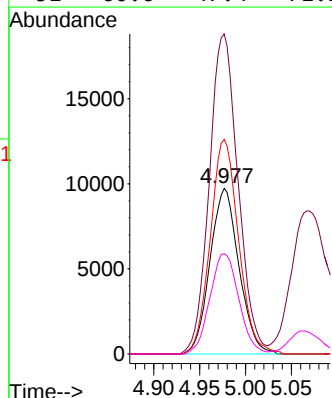
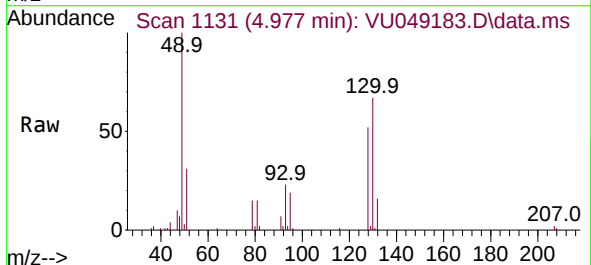
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005114

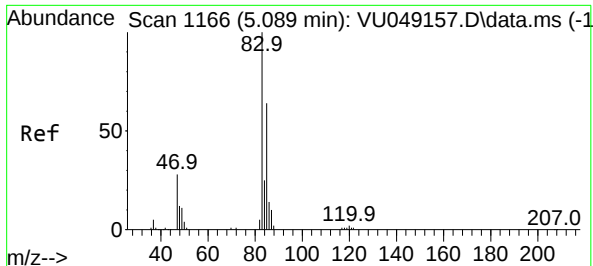
Tgt Ion: 96 Resp: 49763  
 Ion Ratio Lower Upper  
 96 100  
 61 144.4 99.5 184.9  
 98 63.5 44.8 83.2



#23  
 Bromochloromethane  
 Concen: 5.321 ug/L  
 RT: 4.977 min Scan# 1131  
 Delta R.T. -0.003 min  
 Lab File: VU049183.D  
 Acq: 15 Jun 2022 20:47

Tgt Ion: 128 Resp: 21338  
 Ion Ratio Lower Upper  
 128 100  
 49 193.2 131.6 244.4  
 130 129.5 86.9 161.5  
 51 60.6 47.4 71.2





#25

Chloroform

Concen: 5.322 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

Instrument :

MSVOA\_U

ClientSampleId :

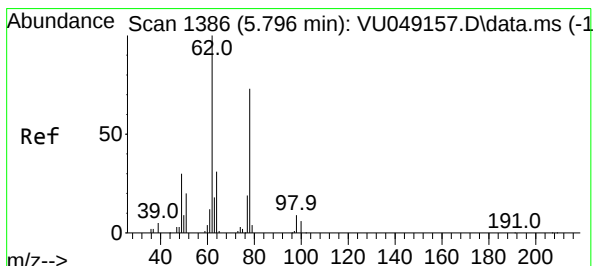
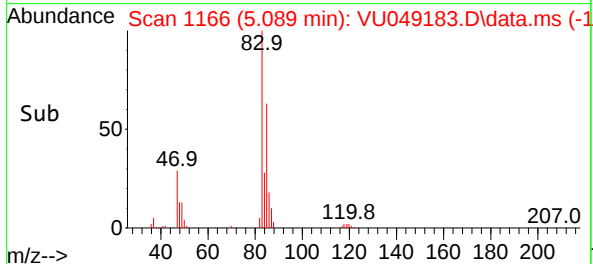
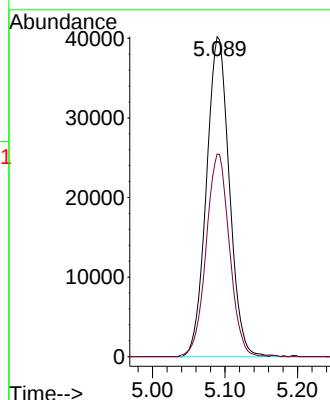
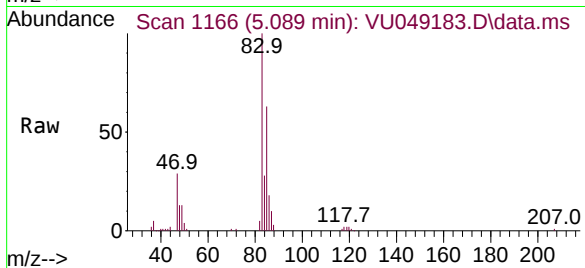
VSTD005114

Tgt Ion: 83 Resp: 88218

Ion Ratio Lower Upper

83 100

85 63.4 45.8 85.2



#27

1,2-Dichloroethane

Concen: 5.284 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU049183.D

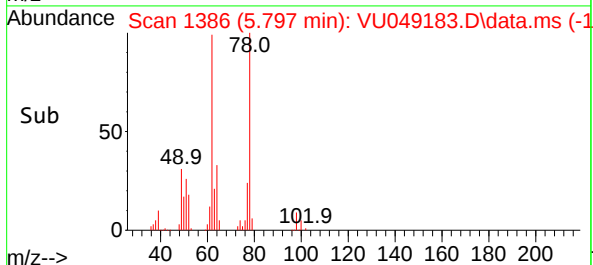
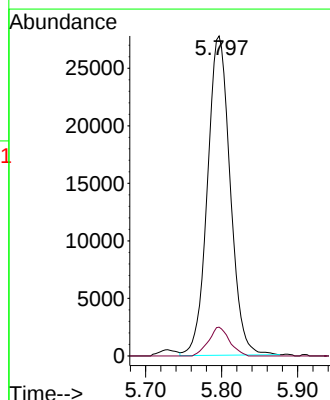
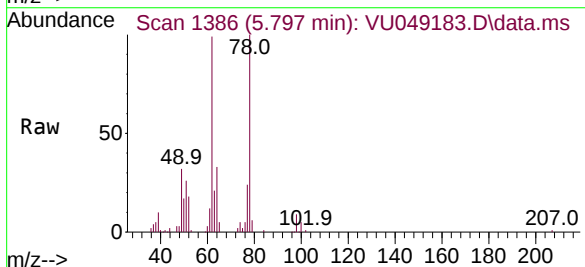
Acq: 15 Jun 2022 20:47

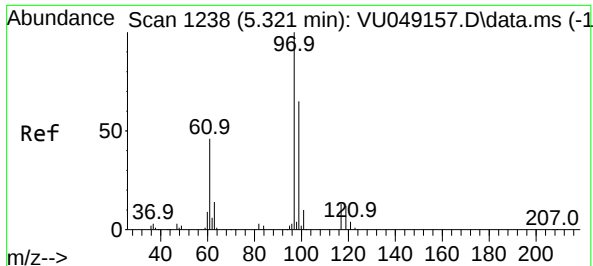
Tgt Ion: 62 Resp: 57690

Ion Ratio Lower Upper

62 100

98 9.0 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.236 ug/L

RT: 5.317 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005114

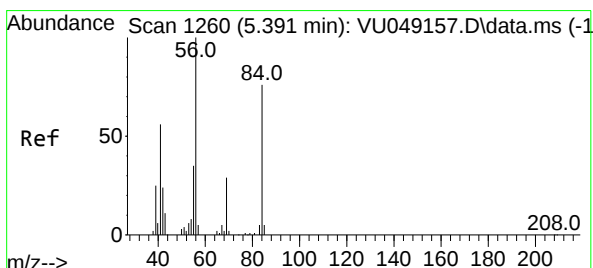
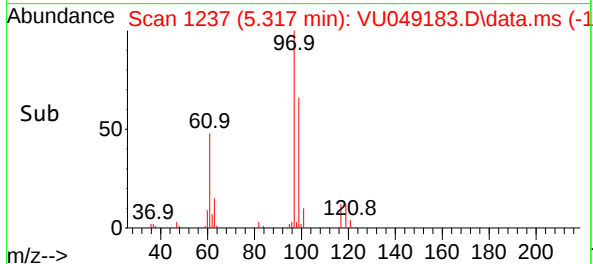
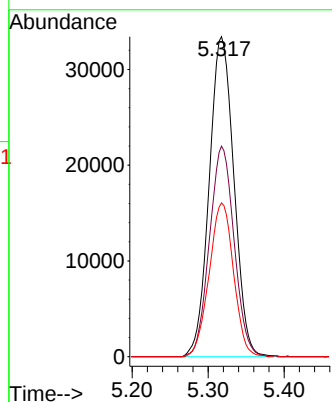
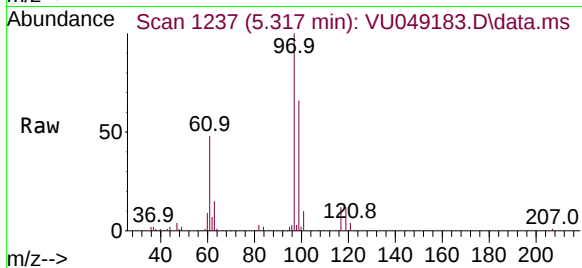
Tgt Ion: 97 Resp: 75440

Ion Ratio Lower Upper

97 100

99 65.7 51.0 76.4

61 47.4 36.2 54.4



#30

Cyclohexane

Concen: 5.369 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

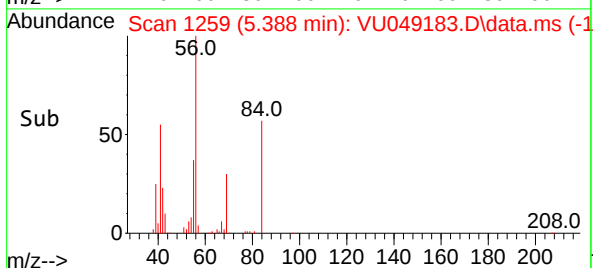
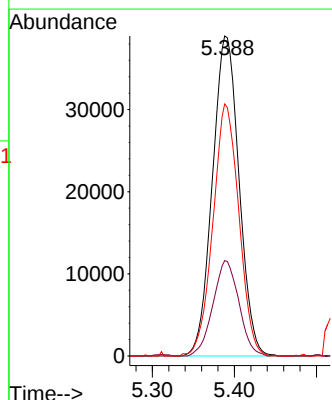
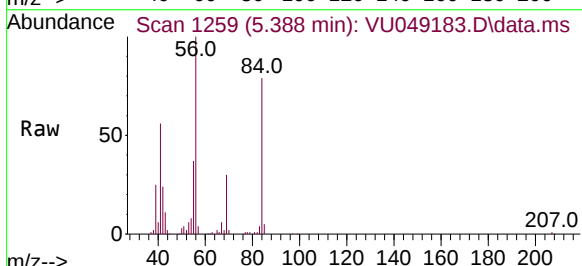
Tgt Ion: 56 Resp: 87924

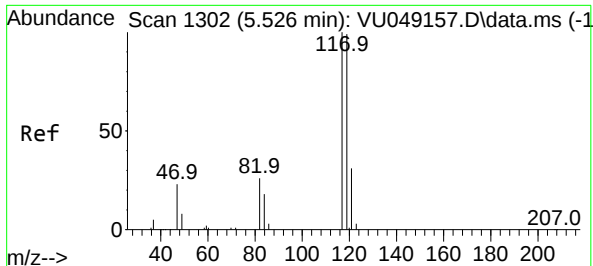
Ion Ratio Lower Upper

56 100

69 29.0 23.8 35.6

84 76.7 61.2 91.8

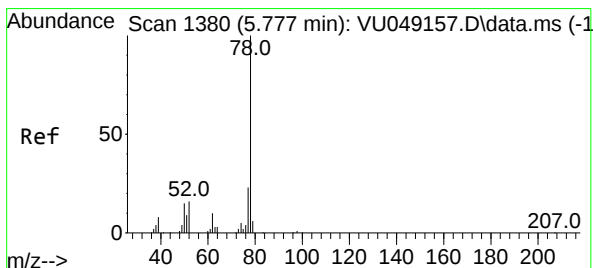
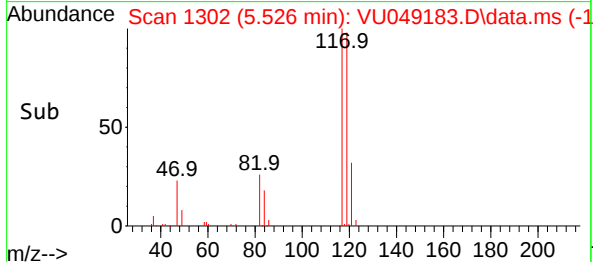
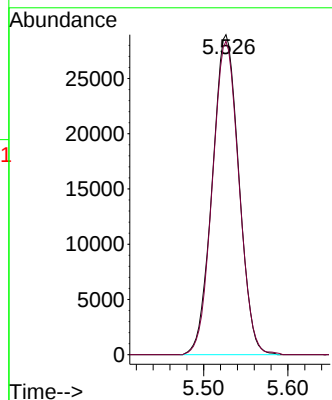
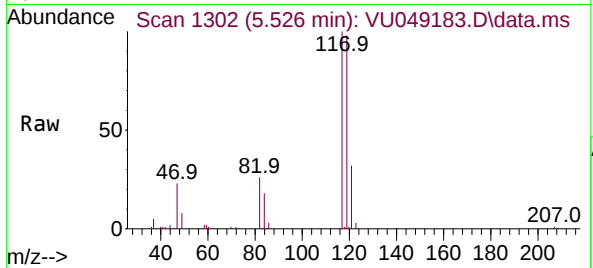




#31  
Carbon tetrachloride  
Concen: 5.247 ug/L  
RT: 5.526 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

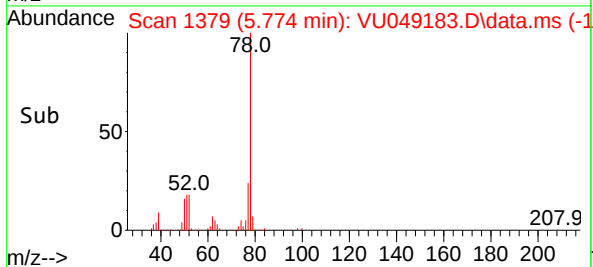
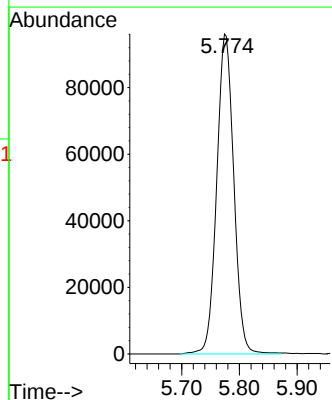
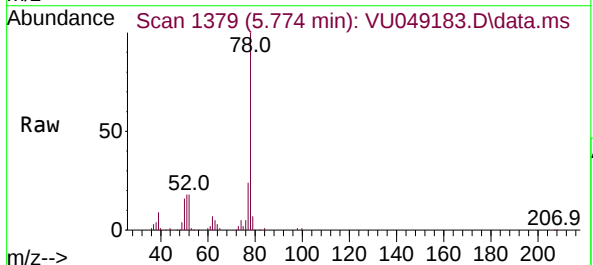
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005114

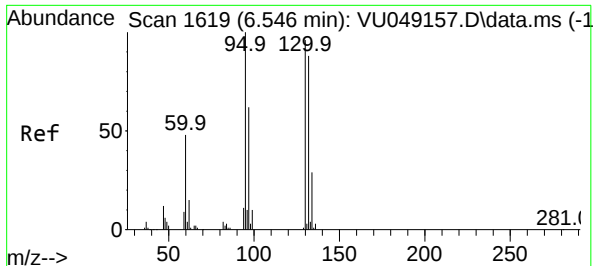
Tgt Ion:117 Resp: 63301  
Ion Ratio Lower Upper  
117 100  
119 97.9 78.3 117.5



#33  
Benzene  
Concen: 5.498 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. -0.003 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

Tgt Ion: 78 Resp: 197253



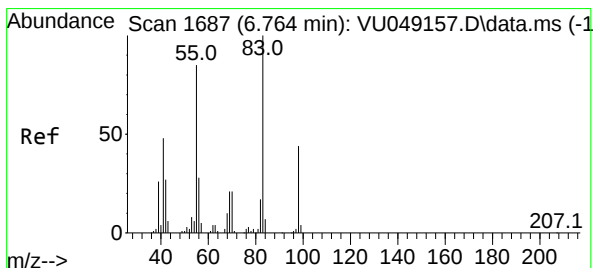
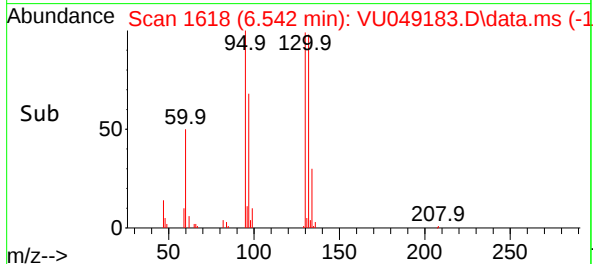
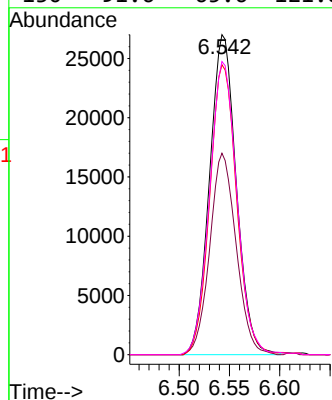
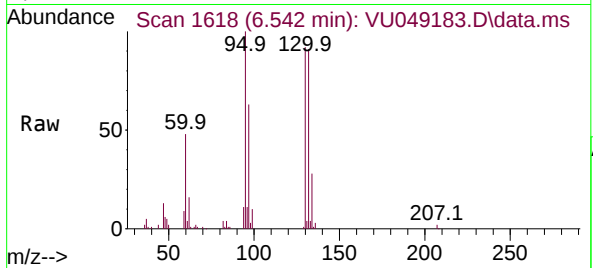


#34  
Trichloroethene  
Concen: 5.460 ug/L  
RT: 6.542 min Scan# 1619  
Delta R.T. -0.003 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005114

Tgt Ion: 95 Resp: 50073

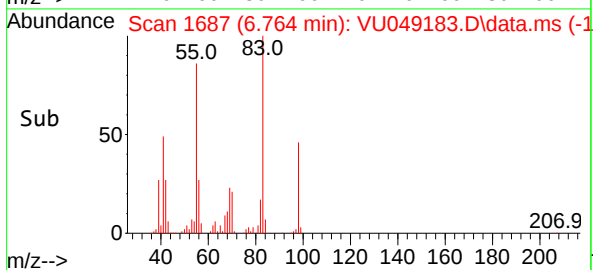
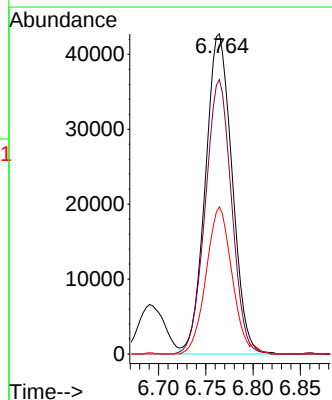
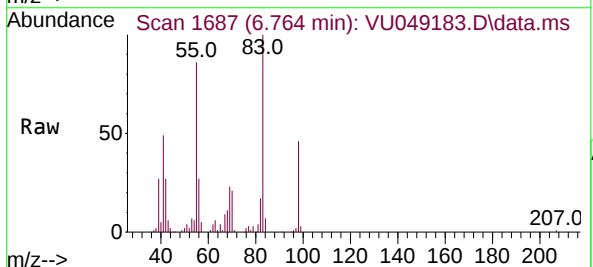
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.9  | 45.3  | 84.1  |
| 132 | 90.6  | 61.5  | 114.3 |
| 130 | 91.6  | 65.6  | 121.8 |

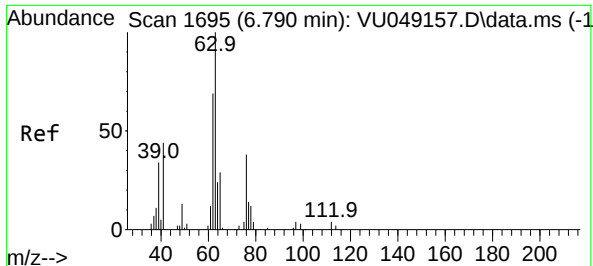


#35  
Methylcyclohexane  
Concen: 5.461 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

Tgt Ion: 83 Resp: 83990

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 84.3  | 66.9  | 100.3 |
| 98  | 44.8  | 35.5  | 53.3  |

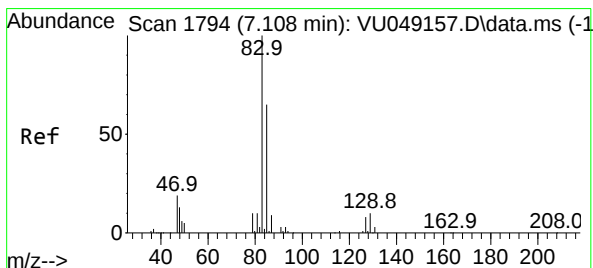
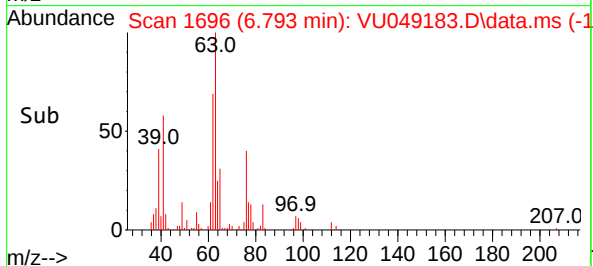
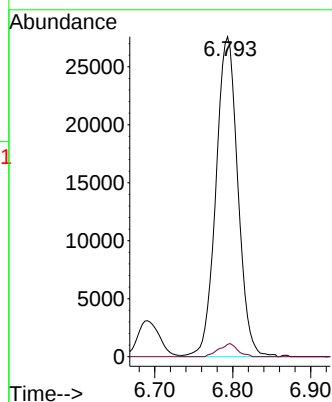
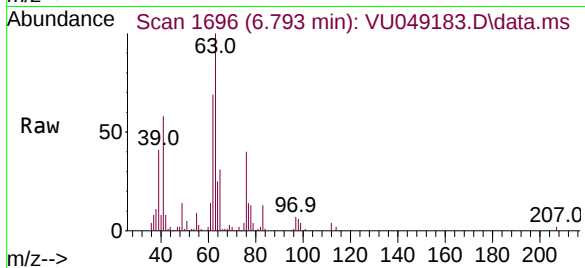




#37  
1,2-Dichloropropane  
Concen: 5.471 ug/L  
RT: 6.793 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

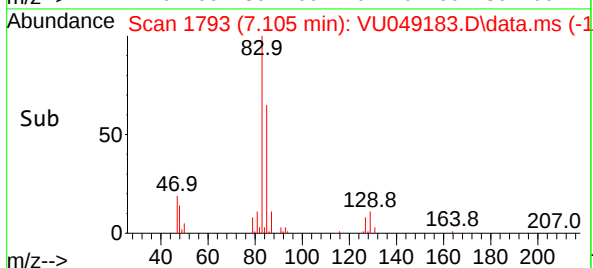
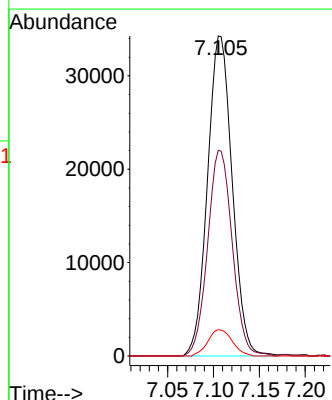
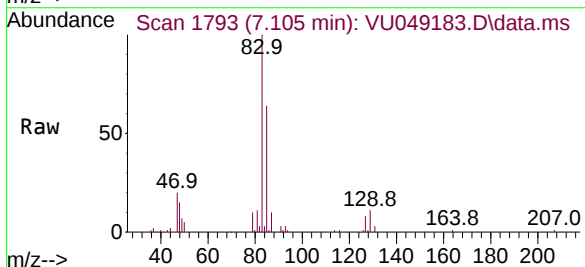
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005114

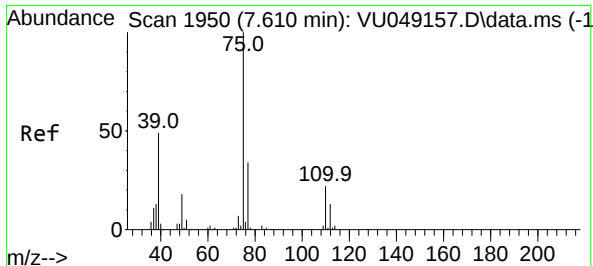
Tgt Ion: 63 Resp: 53927  
Ion Ratio Lower Upper  
63 100  
112 3.5 2.8 4.2



#38  
Bromodichloromethane  
Concen: 5.335 ug/L  
RT: 7.105 min Scan# 1793  
Delta R.T. -0.003 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

Tgt Ion: 83 Resp: 64280  
Ion Ratio Lower Upper  
83 100  
85 64.2 45.5 84.5  
127 8.2 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 5.128 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

Instrument :

MSVOA\_U

ClientSampleId :

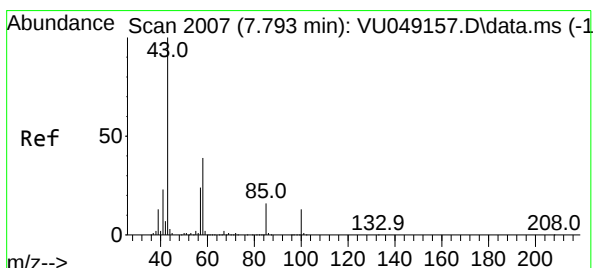
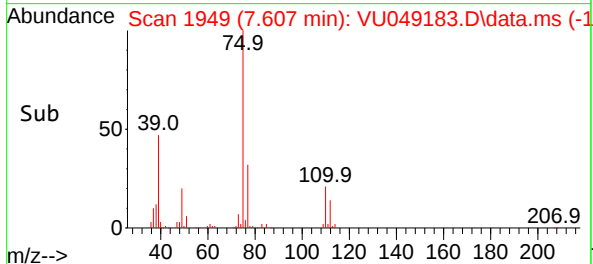
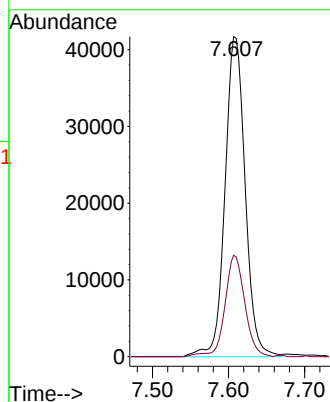
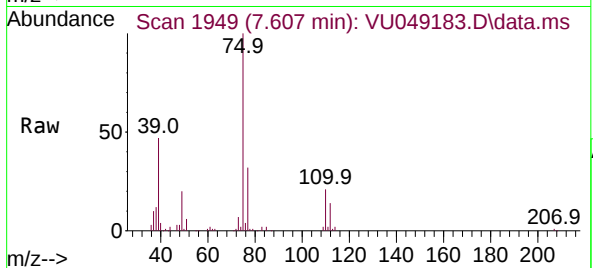
VSTD005114

Tgt Ion: 75 Resp: 76838

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 54.765 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

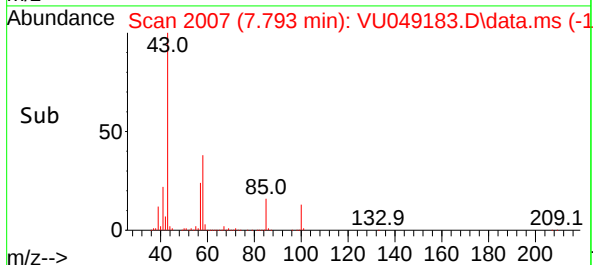
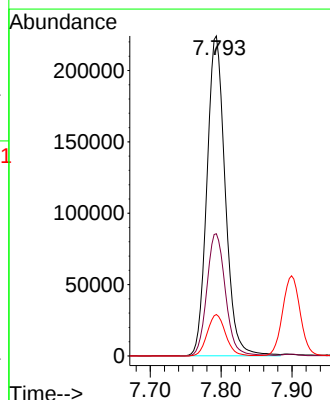
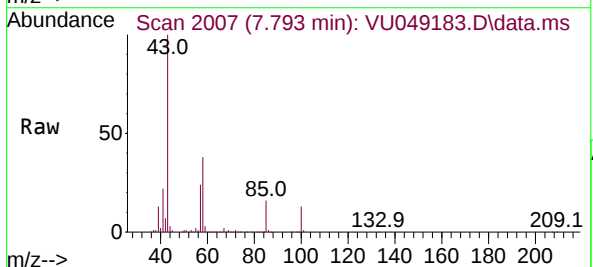
Tgt Ion: 43 Resp: 401087

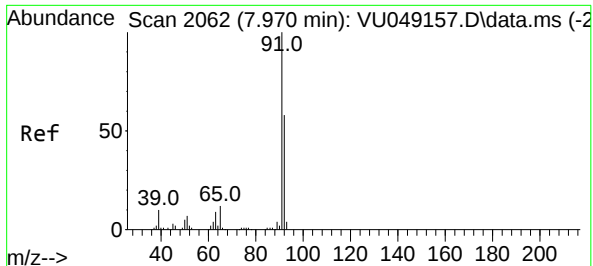
Ion Ratio Lower Upper

43 100

58 39.1 31.4 47.2

100 13.0 10.5 15.7





#42

Toluene

Concen: 5.439 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

Instrument :

MSVOA\_U

ClientSampleId :

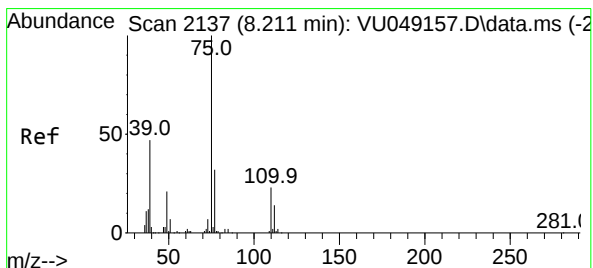
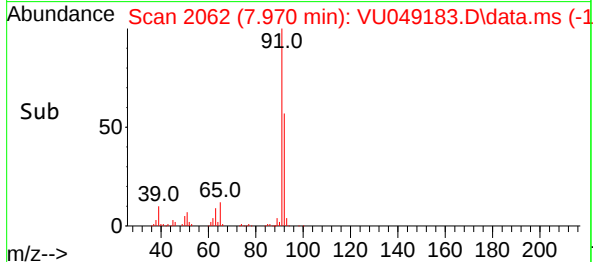
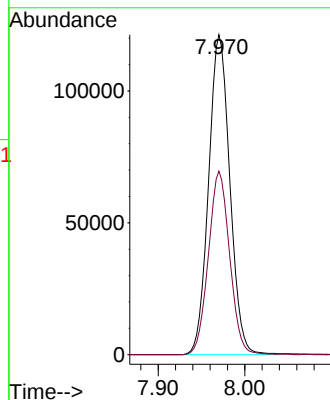
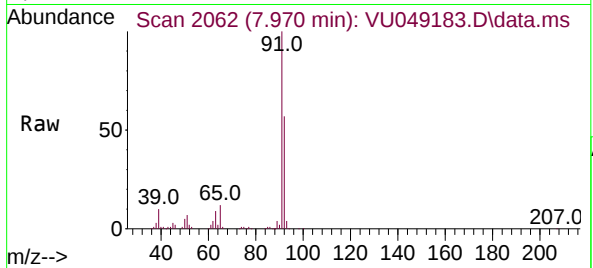
VSTD005114

Tgt Ion: 91 Resp: 206924

Ion Ratio Lower Upper

91 100

92 57.3 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 4.978 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU049183.D

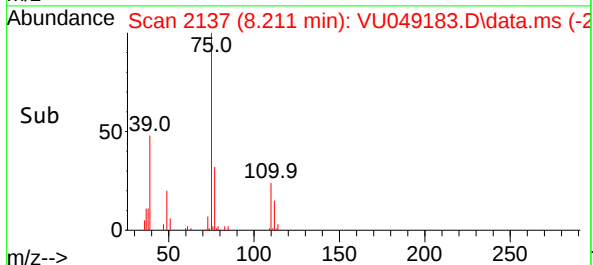
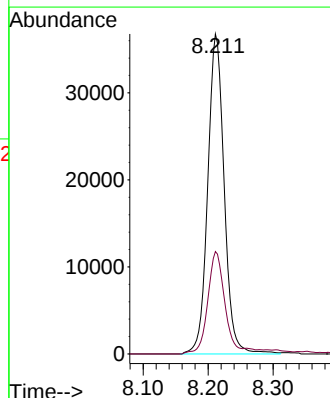
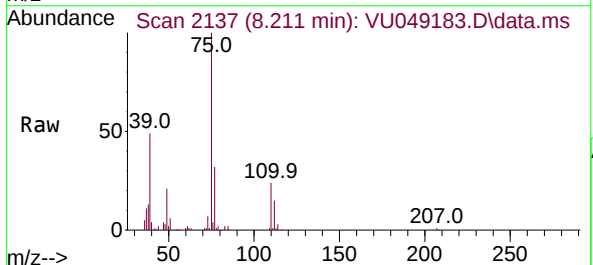
Acq: 15 Jun 2022 20:47

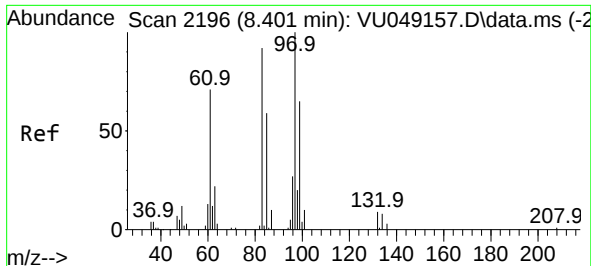
Tgt Ion: 75 Resp: 64794

Ion Ratio Lower Upper

75 100

77 32.0 21.1 39.3

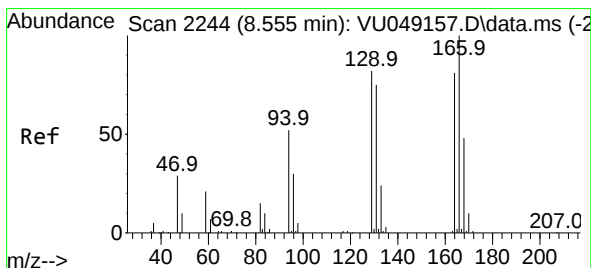
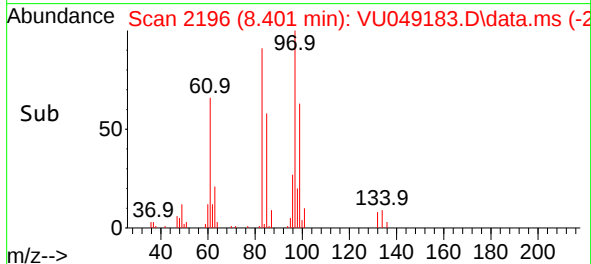
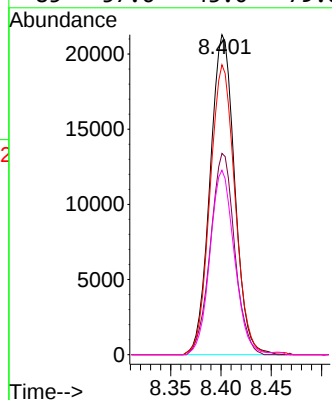
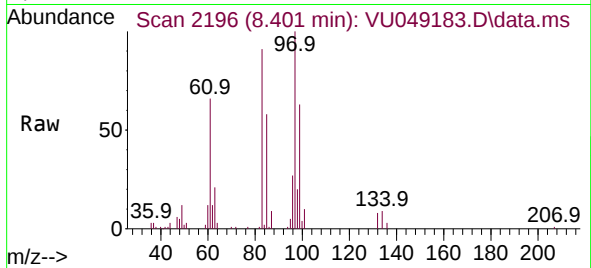




#45  
1,1,2-Trichloroethane  
Concen: 5.268 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

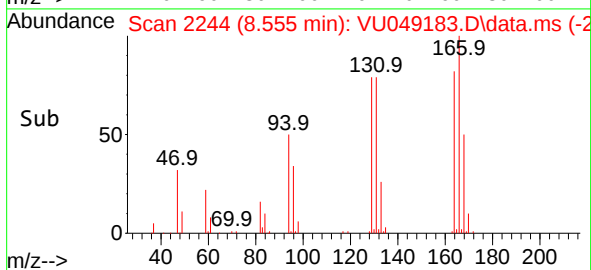
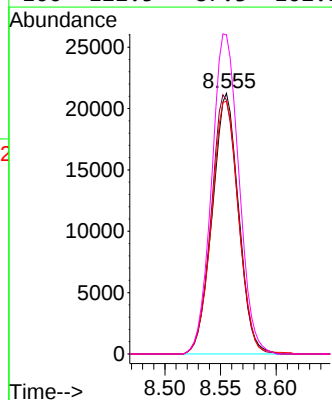
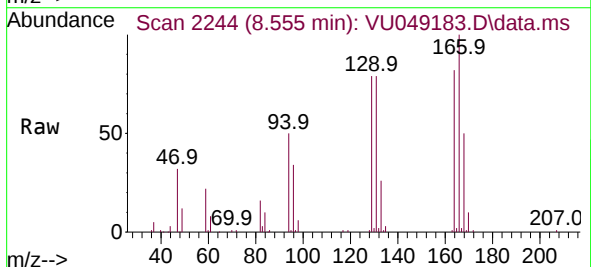
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005114

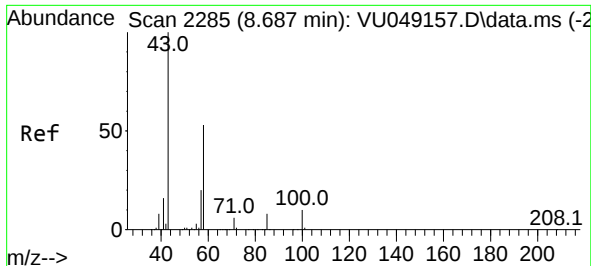
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 36204 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.9  | 45.6  | 84.8  |
| 83       | 90.6  | 65.4  | 121.4 |
| 85       | 57.6  | 43.0  | 79.8  |



#47  
Tetrachloroethene  
Concen: 5.521 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 34914 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 97.4  | 69.8  | 129.6 |
| 131      | 97.0  | 67.8  | 125.8 |
| 166      | 122.5 | 87.3  | 162.1 |





#48

2-Hexanone

Concen: 55.802 ug/L

RT: 8.687 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005114

Tgt Ion: 43 Resp: 291705

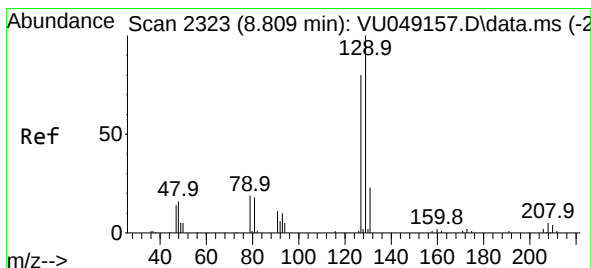
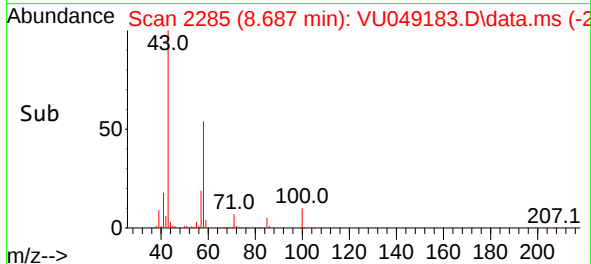
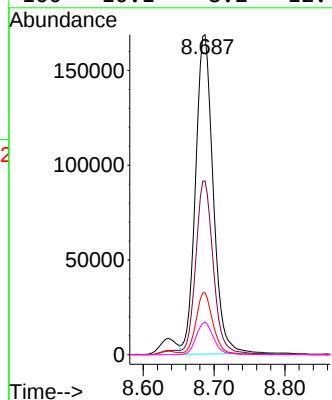
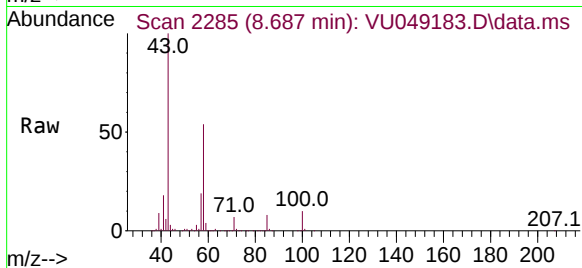
Ion Ratio Lower Upper

43 100

58 54.9 43.4 65.0

57 18.6 14.9 22.3

100 10.1 8.2 12.4



#49

Dibromochloromethane

Concen: 5.216 ug/L

RT: 8.809 min Scan# 2323

Delta R.T. 0.000 min

Lab File: VU049183.D

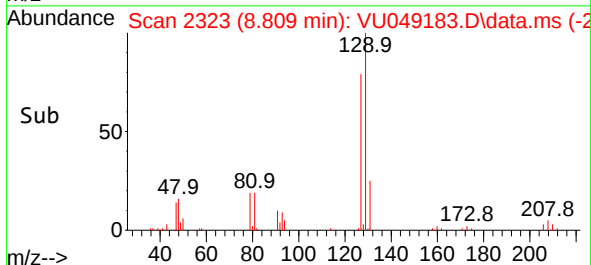
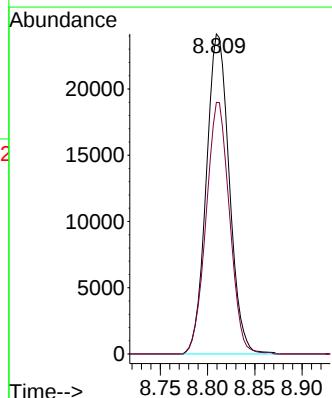
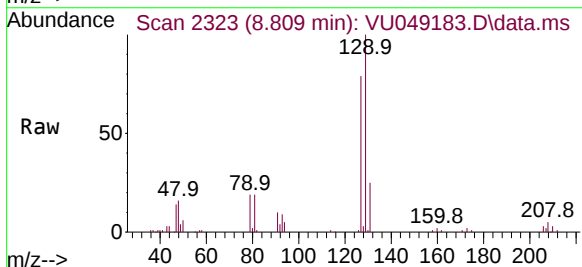
Acq: 15 Jun 2022 20:47

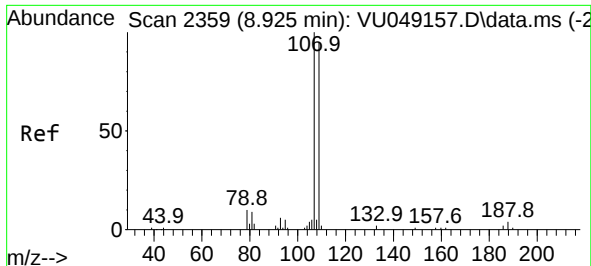
Tgt Ion: 129 Resp: 40898

Ion Ratio Lower Upper

129 100

127 78.6 54.9 101.9





#50

1,2-Dibromoethane

Concen: 5.484 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005114

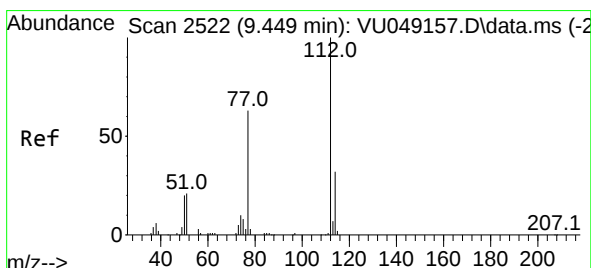
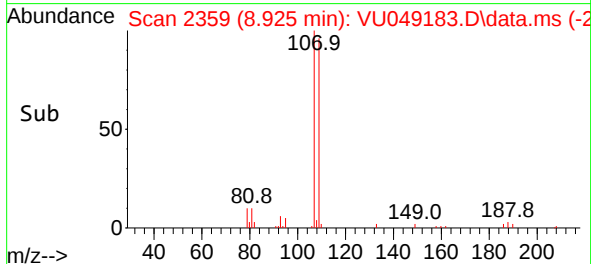
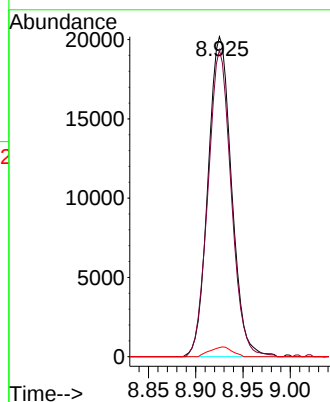
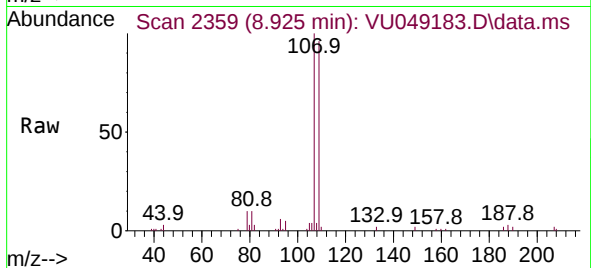
Tgt Ion:107 Resp: 34937

Ion Ratio Lower Upper

107 100

109 95.9 64.4 119.6

188 2.8 2.9 4.3#



#51

Chlorobenzene

Concen: 5.385 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

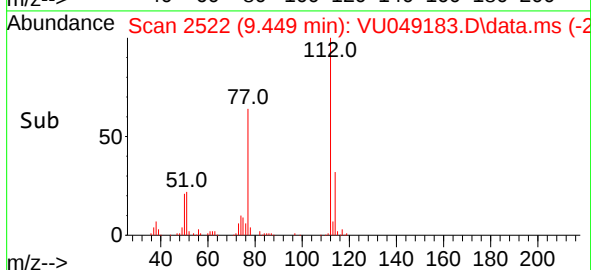
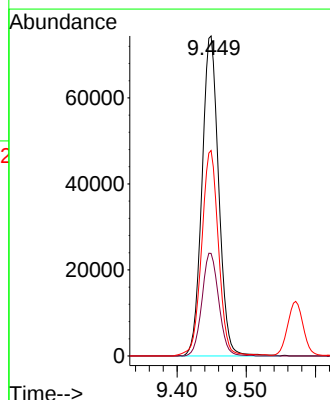
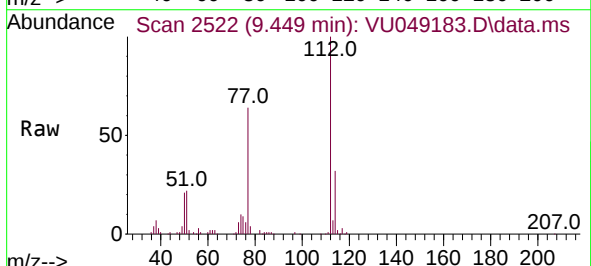
Tgt Ion:112 Resp: 124735

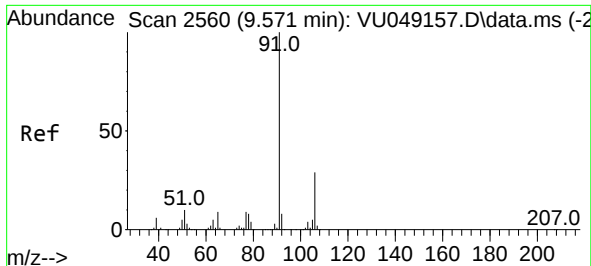
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.3

77 64.2 51.0 76.6

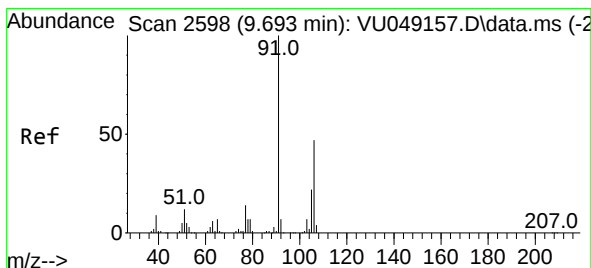
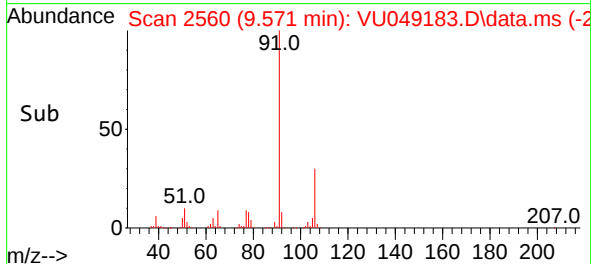
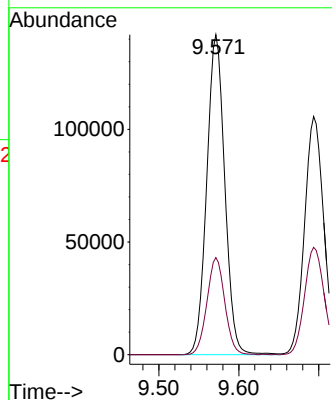
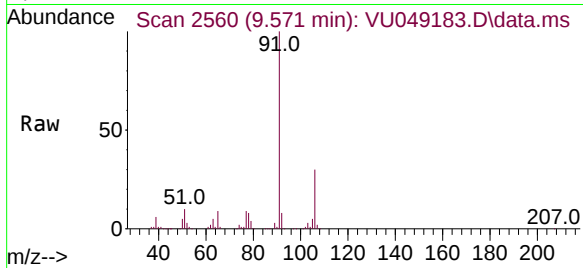




#52  
Ethylbenzene  
Concen: 5.364 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

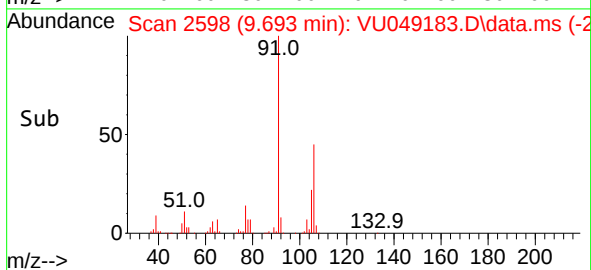
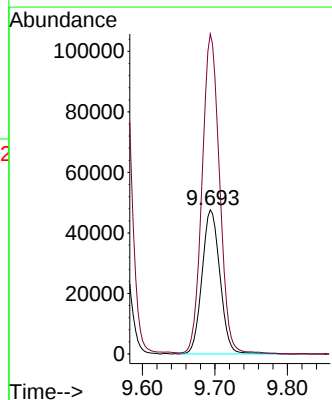
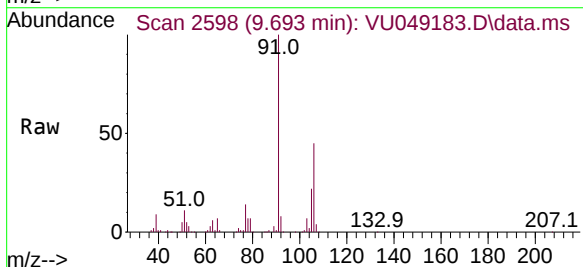
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005114

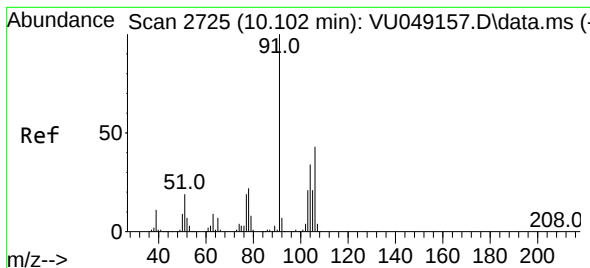
Tgt Ion: 91 Resp: 222885  
Ion Ratio Lower Upper  
91 100  
106 30.3 21.2 39.4



#53  
m,p-Xylene  
Concen: 5.294 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

Tgt Ion: 106 Resp: 81751  
Ion Ratio Lower Upper  
106 100  
91 221.9 148.5 275.7





#54

o-Xylene

Concen: 5.329 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

Instrument :

MSVOA\_U

ClientSampleId :

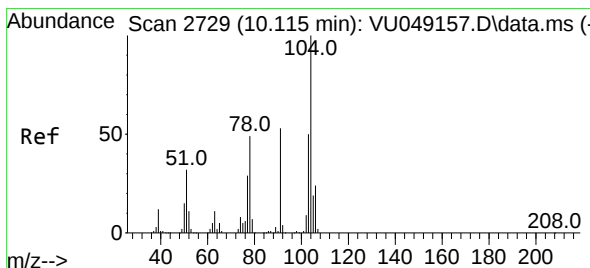
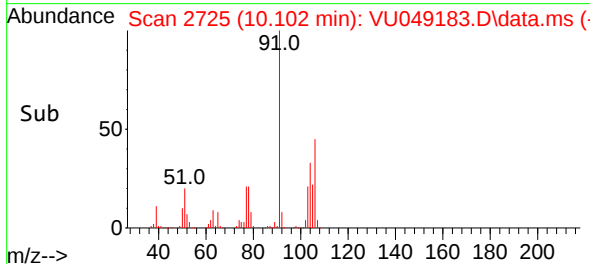
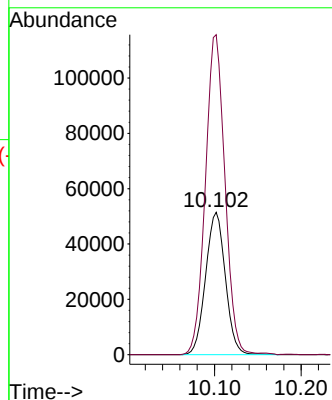
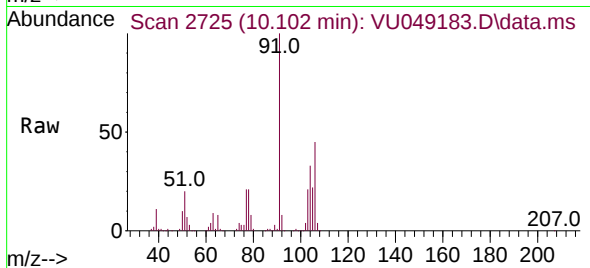
VSTD005114

Tgt Ion:106 Resp: 81579

Ion Ratio Lower Upper

106 100

91 224.6 157.5 292.5



#55

Styrene

Concen: 5.319 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU049183.D

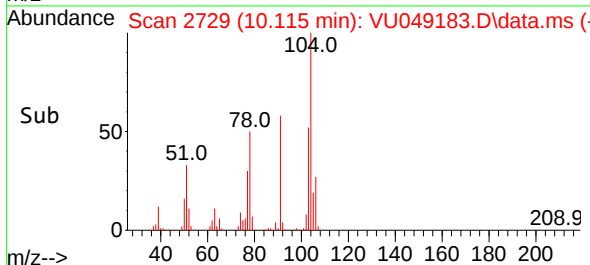
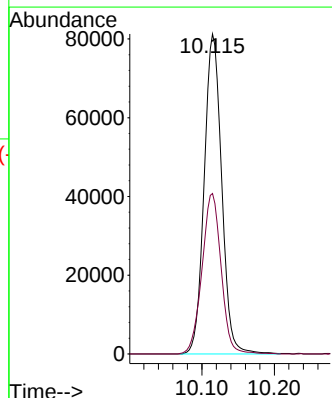
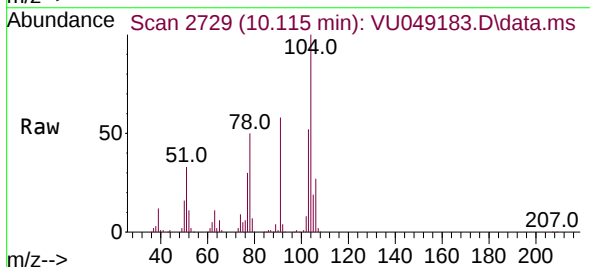
Acq: 15 Jun 2022 20:47

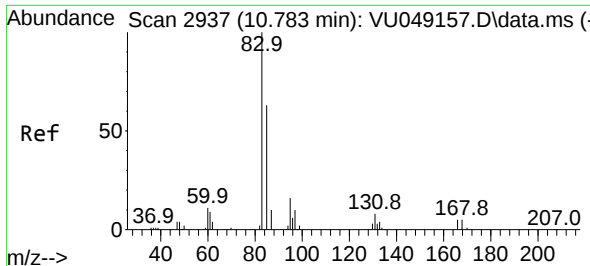
Tgt Ion:104 Resp: 136374

Ion Ratio Lower Upper

104 100

78 50.1 34.1 63.3

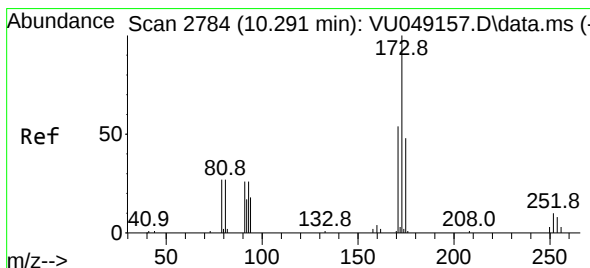
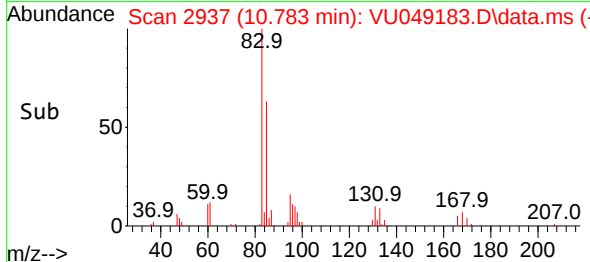
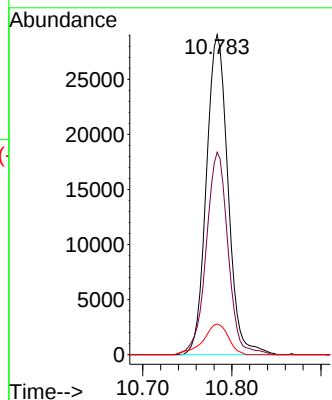
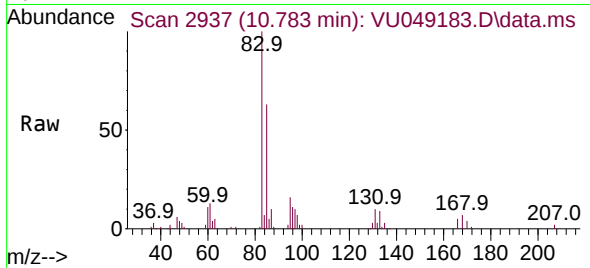




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 5.376 ug/L  
 RT: 10.783 min Scan# 2937  
 Delta R.T. 0.000 min  
 Lab File: VU049183.D  
 Acq: 15 Jun 2022 20:47

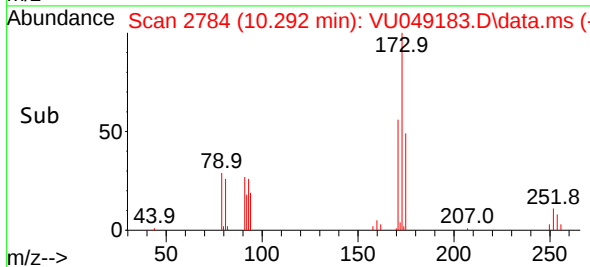
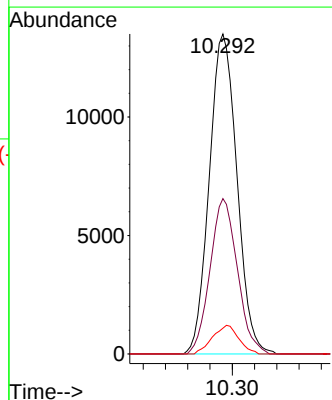
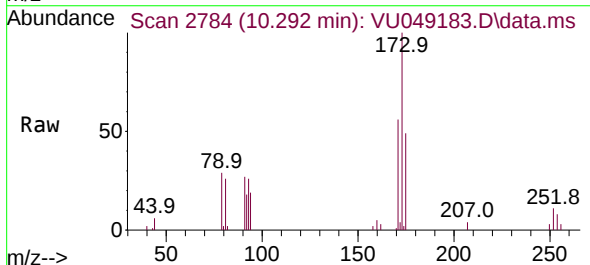
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005114

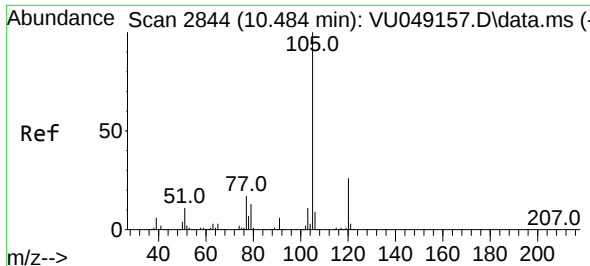
Tgt Ion: 83 Resp: 48892  
 Ion Ratio Lower Upper  
 83 100  
 85 63.2 45.4 84.4  
 131 9.5 7.1 10.7



#59  
 Bromoform  
 Concen: 4.876 ug/L  
 RT: 10.292 min Scan# 2784  
 Delta R.T. 0.000 min  
 Lab File: VU049183.D  
 Acq: 15 Jun 2022 20:47

Tgt Ion: 173 Resp: 23258  
 Ion Ratio Lower Upper  
 173 100  
 175 47.9 37.9 56.9  
 254 8.5 6.6 9.8

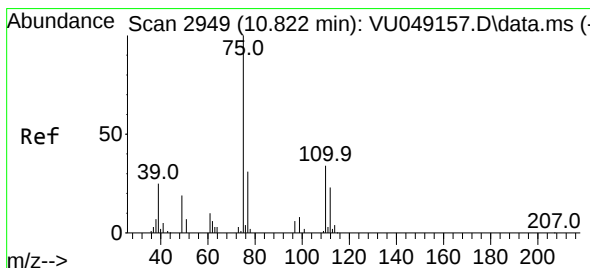
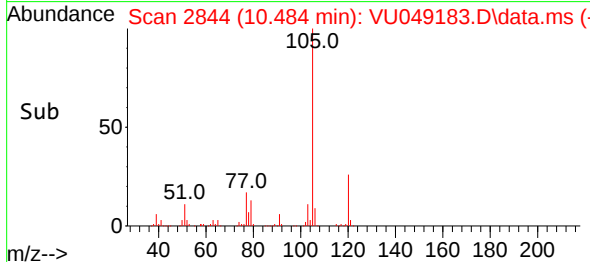
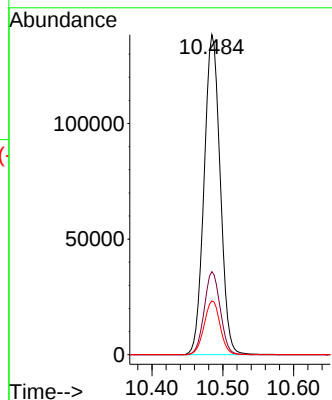
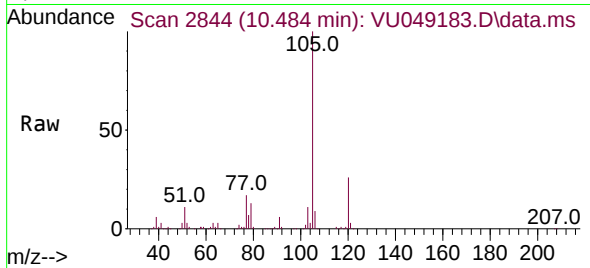




#60  
Isopropylbenzene  
Concen: 5.052 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

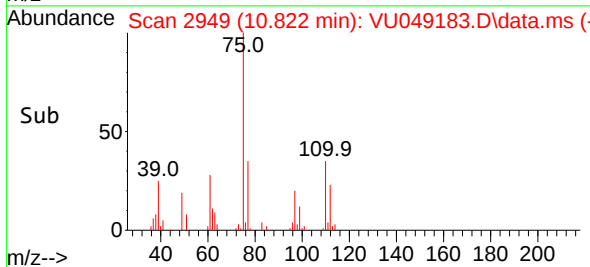
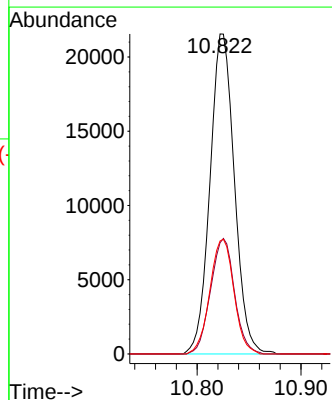
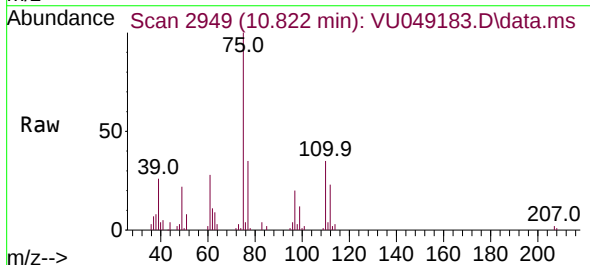
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005114

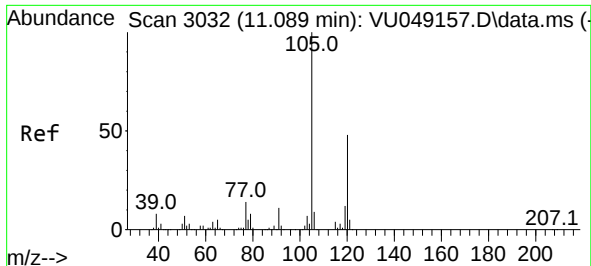
Tgt Ion:105 Resp: 218542  
Ion Ratio Lower Upper  
105 100  
120 25.8 20.3 30.5  
77 16.7 13.0 19.6



#61  
1,2,3-Trichloropropane  
Concen: 4.939 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

Tgt Ion: 75 Resp: 35195  
Ion Ratio Lower Upper  
75 100  
110 35.2 29.0 43.4  
77 35.2 26.2 39.2

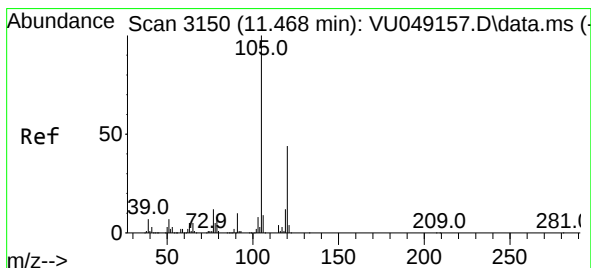
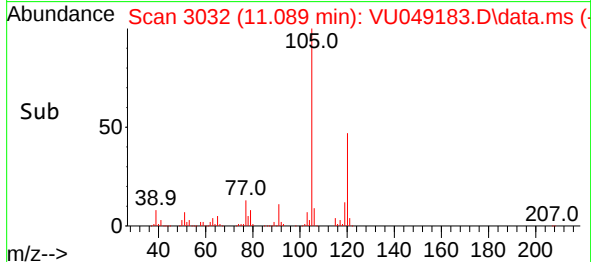
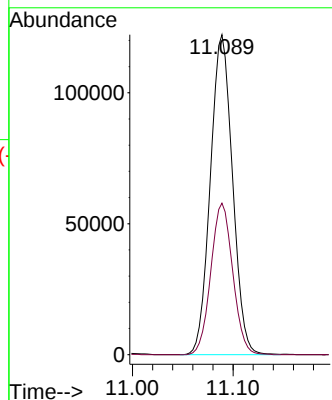
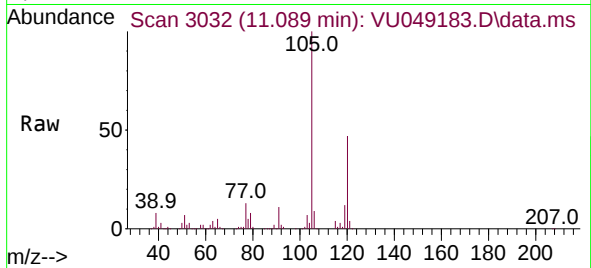




#62  
1,3,5-Trimethylbenzene  
Concen: 4.903 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

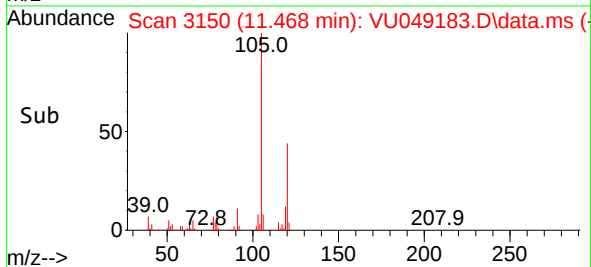
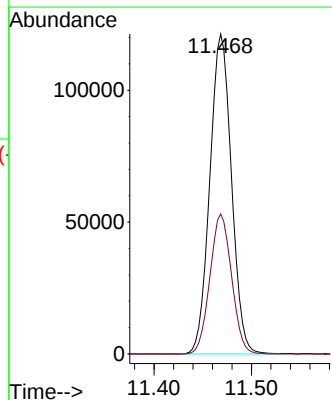
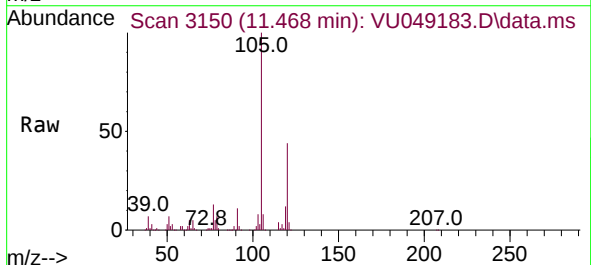
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005114

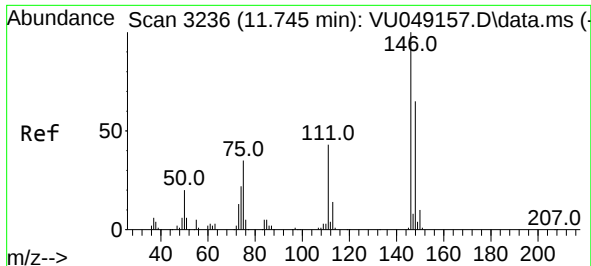
Tgt Ion:105 Resp: 187207  
Ion Ratio Lower Upper  
105 100  
120 46.7 37.8 56.6



#63  
1,2,4-Trimethylbenzene  
Concen: 4.942 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

Tgt Ion:105 Resp: 186959  
Ion Ratio Lower Upper  
105 100  
120 43.8 34.6 52.0

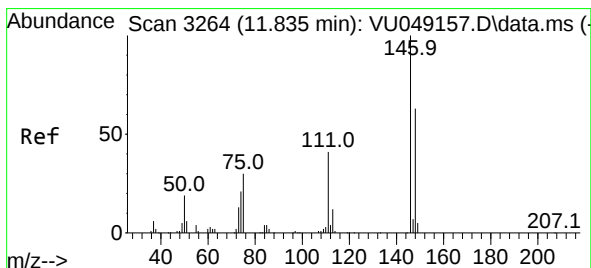
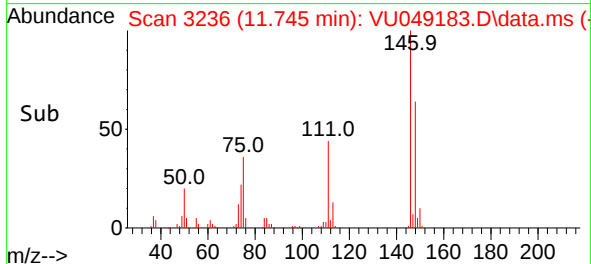
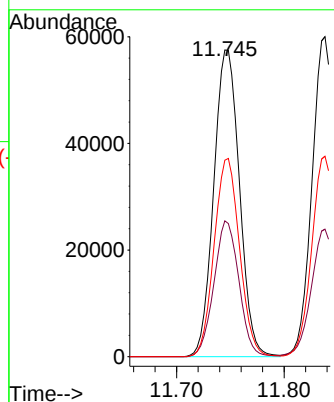
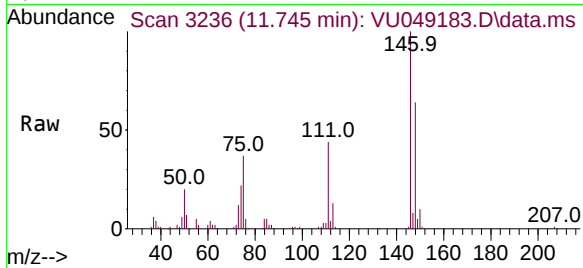




#64  
1,3-Dichlorobenzene  
Concen: 5.165 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

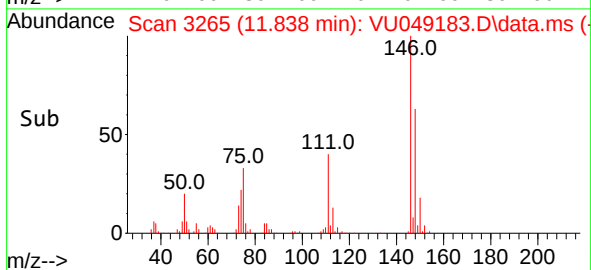
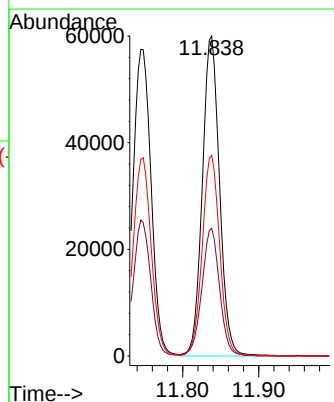
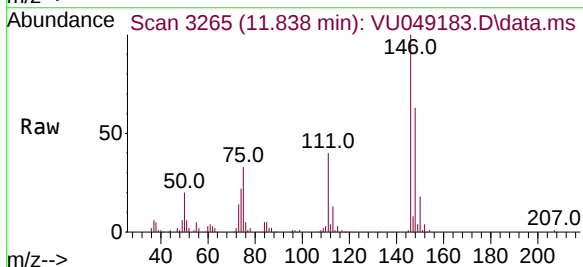
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005114

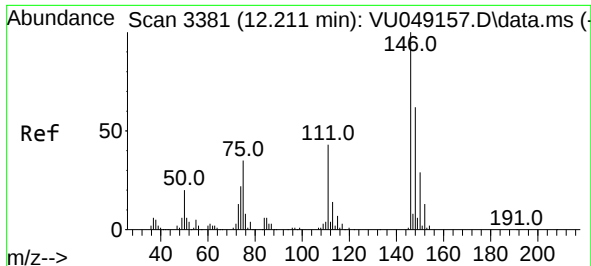
Tgt Ion:146 Resp: 95619  
Ion Ratio Lower Upper  
146 100  
111 44.3 30.9 57.5  
148 64.1 46.1 85.7



#65  
1,4-Dichlorobenzene  
Concen: 5.153 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU049183.D  
Acq: 15 Jun 2022 20:47

Tgt Ion:146 Resp: 94280  
Ion Ratio Lower Upper  
146 100  
111 39.9 29.8 55.4  
148 62.6 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.223 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005114

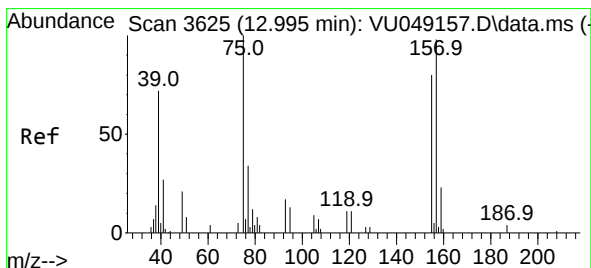
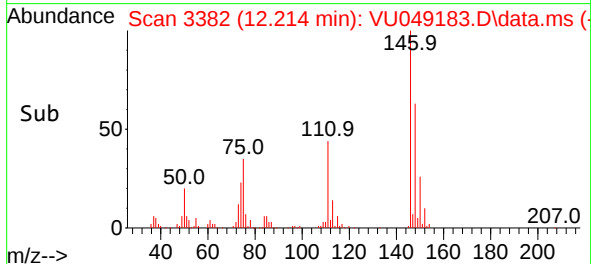
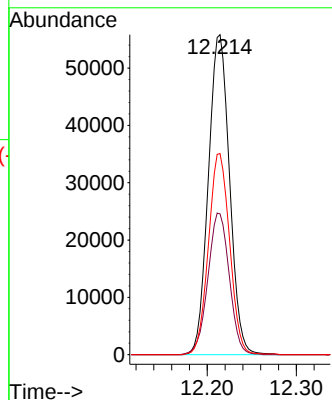
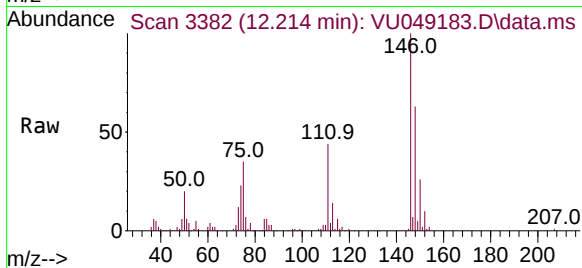
Tgt Ion:146 Resp: 92012

Ion Ratio Lower Upper

146 100

111 44.0 36.6 55.0

148 62.9 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.465 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

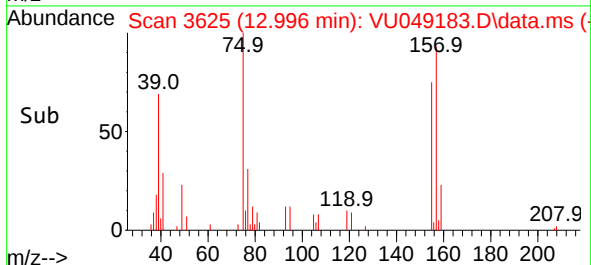
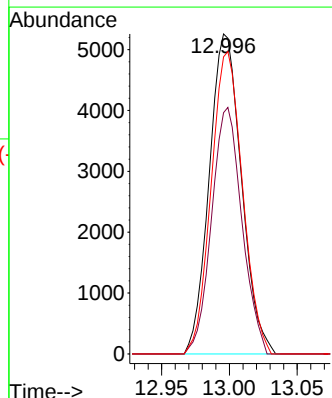
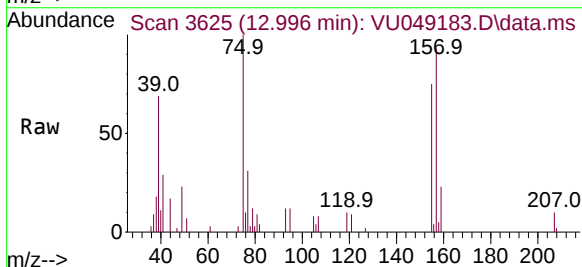
Tgt Ion: 75 Resp: 8671

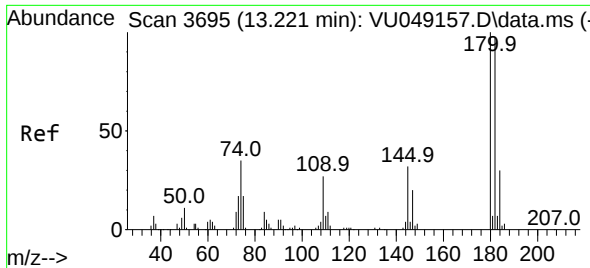
Ion Ratio Lower Upper

75 100

155 75.4 52.0 78.0

157 92.9 71.4 107.2

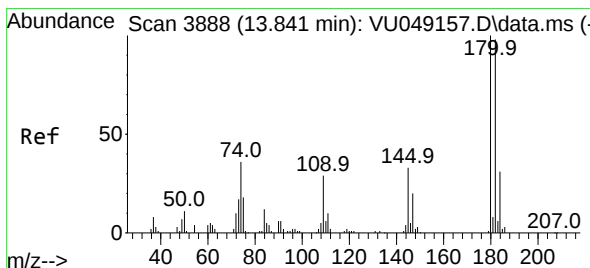
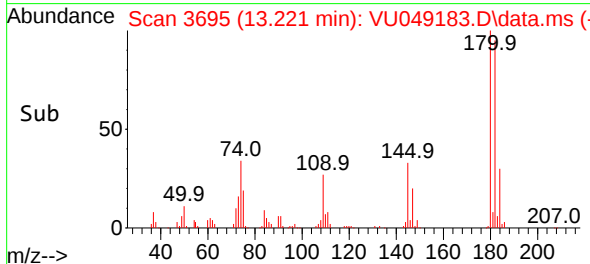
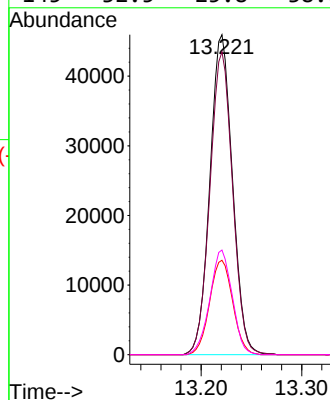
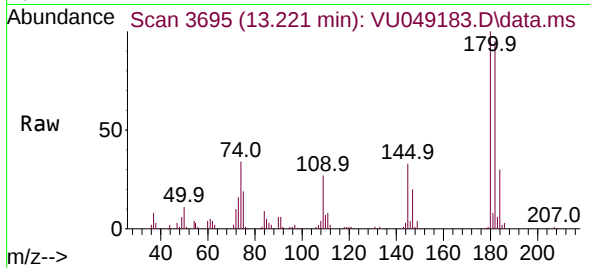




#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.153 ug/L  
 RT: 13.221 min Scan# 3695  
 Delta R.T. 0.000 min  
 Lab File: VU049183.D  
 Acq: 15 Jun 2022 20:47

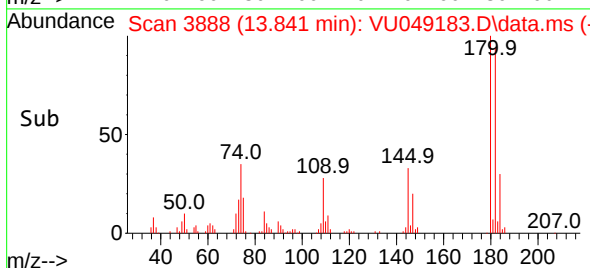
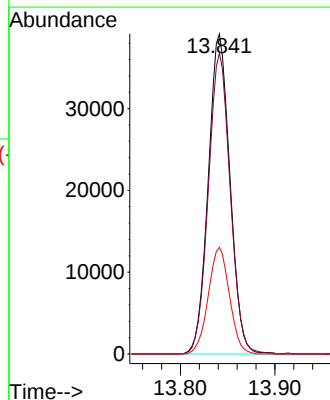
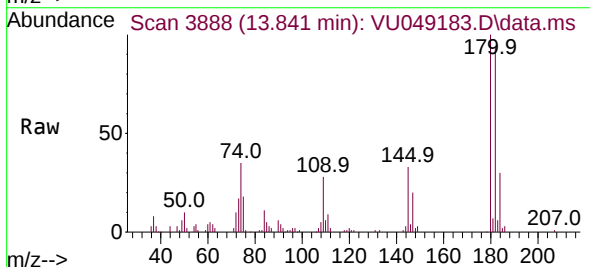
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005114

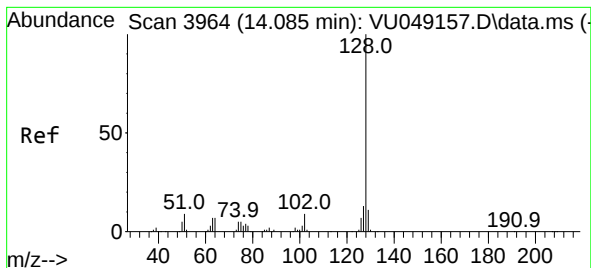
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 71544      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.1  | 75.0 112.4 |
| 184         | 30.3  | 23.2 34.8  |
| 145         | 32.5  | 25.8 38.6  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.645 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. 0.000 min  
 Lab File: VU049183.D  
 Acq: 15 Jun 2022 20:47

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 62295      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.8  | 74.6 112.0 |
| 145         | 32.6  | 26.1 39.1  |





#71

Naphthalene

Concen: 5.743 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005114

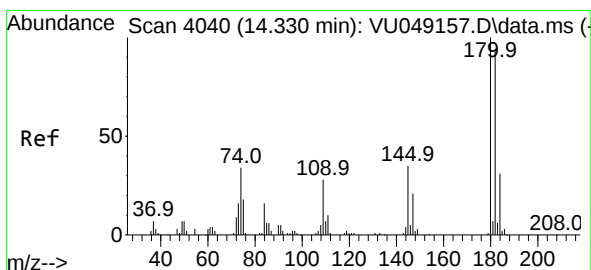
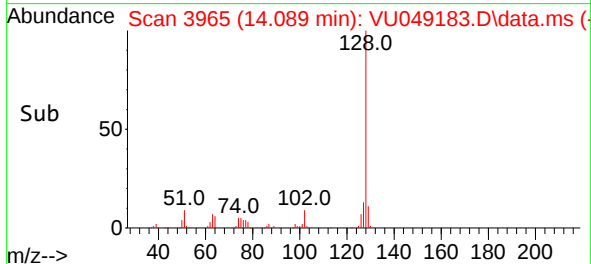
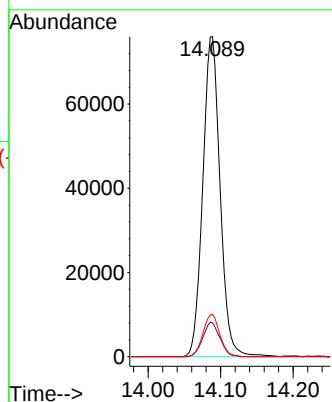
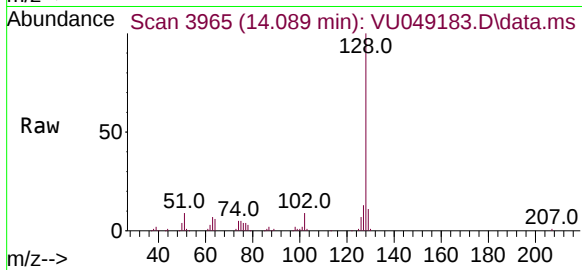
Tgt Ion:128 Resp: 125944

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

127 12.8 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 5.635 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU049183.D

Acq: 15 Jun 2022 20:47

Tgt Ion:180 Resp: 58475

Ion Ratio Lower Upper

180 100

182 95.8 75.6 113.4

145 33.3 27.9 41.9

