

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U061122\  
 Data File : U049053.D  
 Acq On : 11 Jun 2022 14:33  
 Operator : SY/MD  
 Sample : VSTDICV005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 13 01:29:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jun 13 01:18:55 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 167531   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 169386   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 87590    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 36169    | 4.881    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 97.600%  |
| 7) Chloroethane-d5            | 1.912  | 69    | 39232    | 4.856    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 97.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 18039    | 4.663    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 93.200%  |
| 20) 2-Butanone-d5             | 4.629  | 46    | 171531   | 46.495   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 93.000%  |
| 24) Chloroform-d              | 5.063  | 84    | 114885   | 4.797    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65    | 65382    | 4.933    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.600%  |
| 32) Benzene-d6                | 5.729  | 84    | 209835   | 4.614    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67    | 71113    | 4.588    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.800%  |
| 41) Toluene-d8                | 7.899  | 98    | 181810   | 4.757    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.200%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 25571    | 4.910    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 98.200%  |
| 46) 2-Hexanone-d5             | 8.632  | 63    | 158786   | 55.665   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 111.340% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 68666    | 5.037    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 81562    | 5.062    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 101.200% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 94579    | 4.999    | ug/L   | 97       |
| 3) Chloromethane              | 1.523  | 50    | 78558    | 4.831    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.604  | 62    | 72898    | 4.858    | ug/L   | 96       |
| 6) Bromomethane               | 1.858  | 94    | 41858    | 4.834    | ug/L   | 99       |
| 8) Chloroethane               | 1.935  | 64    | 38947    | 4.856    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.141  | 101   | 100764   | 5.009    | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101   | 54581    | 5.128    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.581  | 96    | 52636    | 5.079    | ug/L   | 95       |
| 13) Acetone                   | 2.636  | 43    | 75078    | 39.316   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.793  | 76    | 175524   | 4.921    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.954  | 43    | 19315    | 3.925    | ug/L   | 96       |
| 16) Methylene chloride        | 3.047  | 84    | 57838    | 4.540    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73    | 139438   | 5.014    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.356  | 96    | 56339    | 4.986    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.870  | 63    | 104888   | 4.844    | ug/L   | 97       |
| 21) 2-Butanone                | 4.710  | 43    | 140707   | 42.200   | ug/L   | 100      |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96    | 61865    | 4.626    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.976  | 128   | 28340    | 4.895    | ug/L   | 95       |
| 25) Chloroform                | 5.089  | 83    | 112327   | 4.905    | ug/L   | 98       |

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 Operator : SY/MD  
 Sample : VSTDICV005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

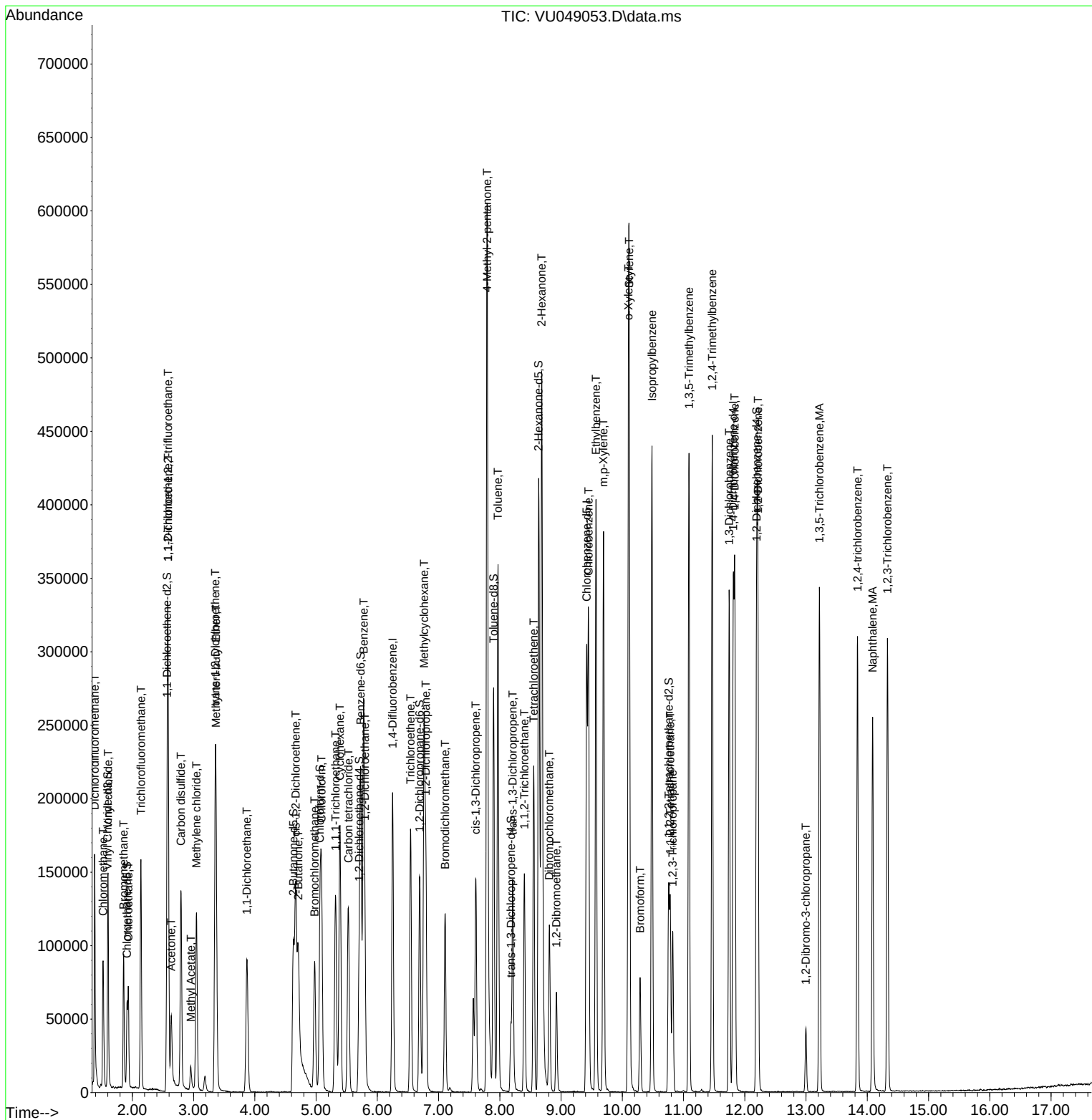
Instrument :  
 MSVOA\_U  
 ClientSampleId :

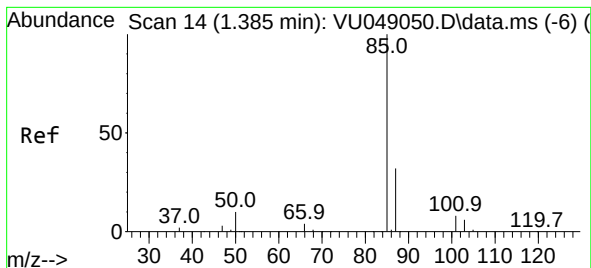
Quant Time: Jun 13 01:29:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jun 13 01:18:55 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 72129    | 4.712  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.317  | 97   | 102056   | 4.710  | ug/L  | 100      |
| 30) Cyclohexane               | 5.391  | 56   | 88950    | 4.716  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 90622    | 4.711  | ug/L  | 99       |
| 33) Benzene                   | 5.777  | 78   | 231525   | 4.561  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 61836    | 4.716  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.764  | 83   | 94921    | 4.782  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 61606    | 4.640  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.105  | 83   | 79765    | 4.483  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 88199    | 4.851  | ug/L  | 95       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 426229   | 50.436 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 255139   | 4.949  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 83157    | 5.086  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 46742    | 4.957  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.552  | 164  | 48824    | 4.685  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.684  | 43   | 335249   | 53.408 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.809  | 129  | 59009    | 4.913  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 45584    | 4.911  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.449  | 112  | 172550   | 5.081  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 280124   | 5.292  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 115049   | 5.323  | ug/L  | 98       |
| 54) o-Xylene                  | 10.098 | 106  | 109175   | 5.255  | ug/L  | 92       |
| 55) Styrene                   | 10.115 | 104  | 183414   | 5.281  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 61304    | 5.006  | ug/L  | 98       |
| 59) Bromoform                 | 10.291 | 173  | 34880    | 4.887  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.484 | 105  | 280015   | 5.229  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 45769    | 4.876  | ug/L  | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 232432   | 5.185  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 241327   | 5.391  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 141130   | 5.294  | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 137998   | 5.322  | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 136533   | 5.315  | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 11702    | 5.251  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 109931   | 5.512  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 95925    | 6.095  | ug/L  | 98       |
| 71) Naphthalene               | 14.089 | 128  | 212309   | 6.907  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 98061    | 6.538  | ug/L  | 98       |

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

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QLast Update : Mon Jun 13 01:18:55 2022  
Response via : Initial Calibration

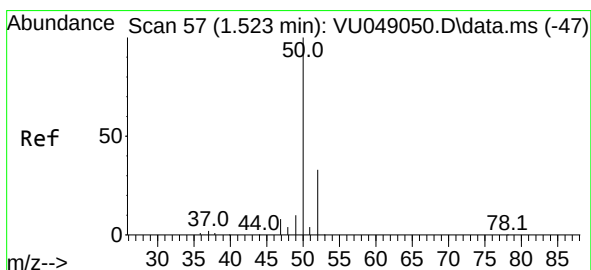
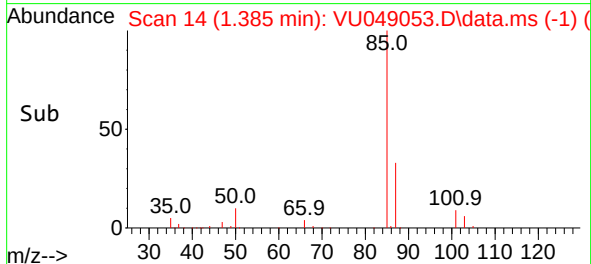
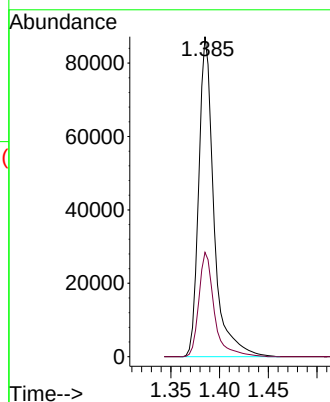
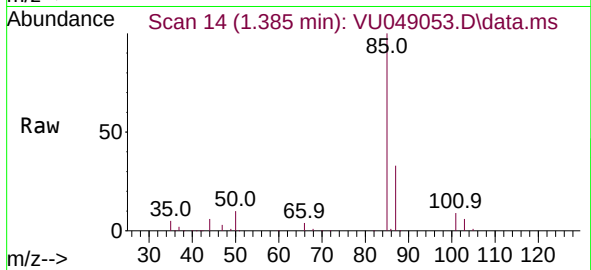




#2  
Dichlorodifluoromethane  
Concen: 4.999 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

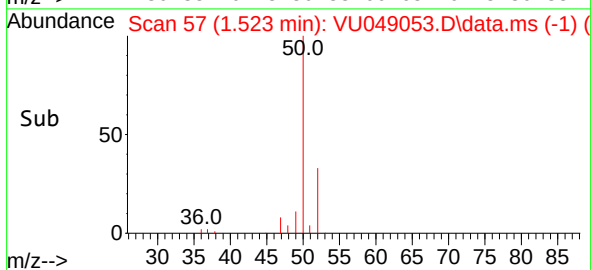
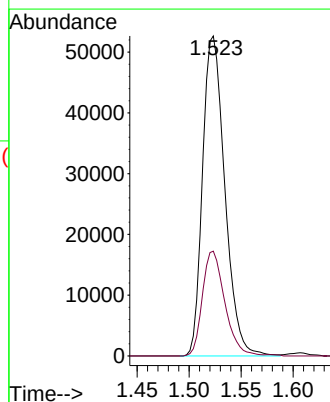
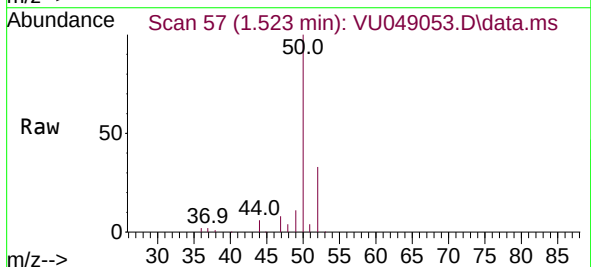
Instrument :  
MSVOA\_U  
ClientSampleId :

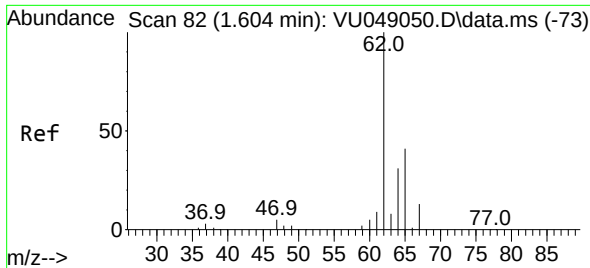
Tgt Ion: 85 Resp: 94579  
Ion Ratio Lower Upper  
85 100  
87 33.2 25.4 38.0



#3  
Chloromethane  
Concen: 4.831 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion: 50 Resp: 78558  
Ion Ratio Lower Upper  
50 100  
52 32.7 23.2 43.0

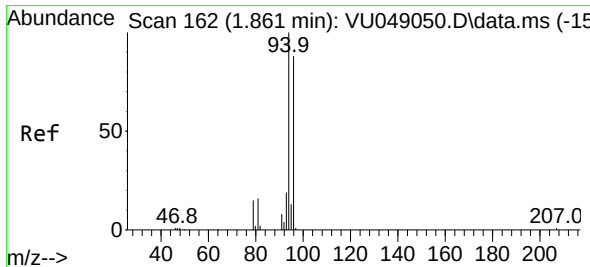
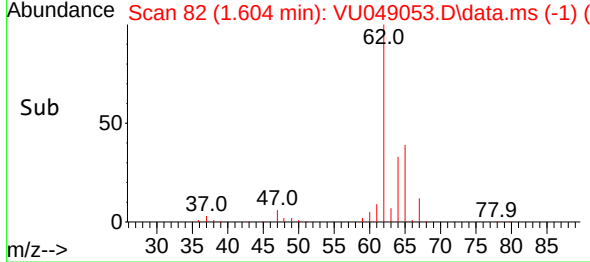
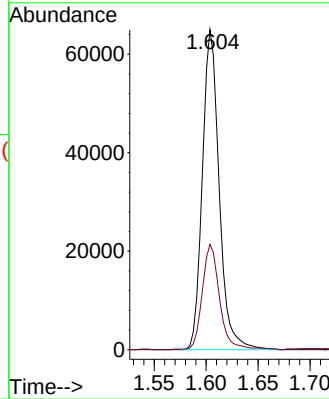
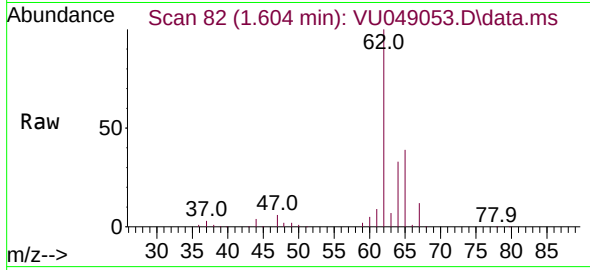




#5  
 Vinyl chloride  
 Concen: 4.858 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VU049053.D  
 Acq: 11 Jun 2022 14:33

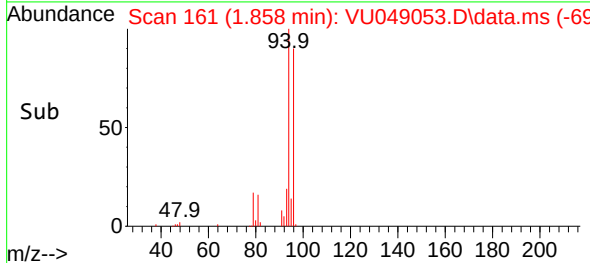
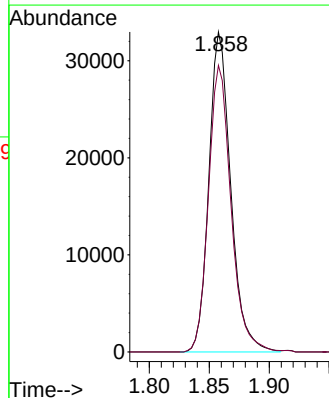
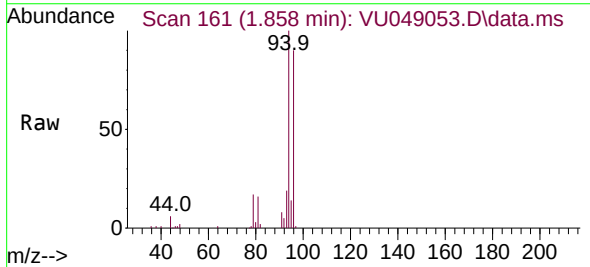
Instrument :  
 MSVOA\_U  
 ClientSampleId :

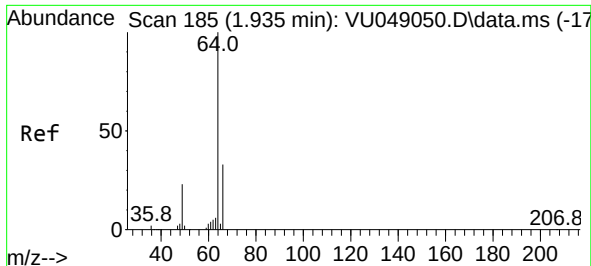
Tgt Ion: 62 Resp: 72898  
 Ion Ratio Lower Upper  
 62 100  
 64 32.9 21.5 39.9



#6  
 Bromomethane  
 Concen: 4.834 ug/L  
 RT: 1.858 min Scan# 161  
 Delta R.T. -0.003 min  
 Lab File: VU049053.D  
 Acq: 11 Jun 2022 14:33

Tgt Ion: 94 Resp: 41858  
 Ion Ratio Lower Upper  
 94 100  
 96 89.6 61.9 114.9

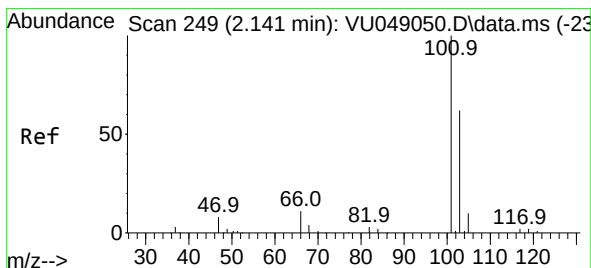
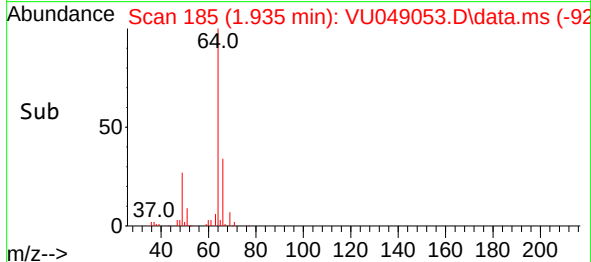
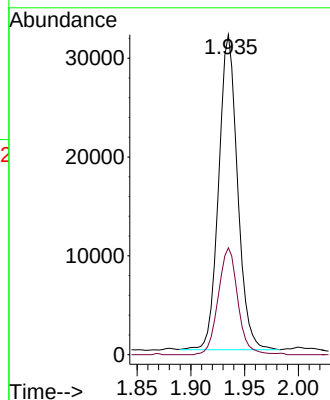
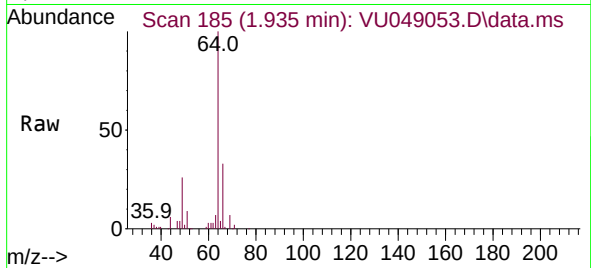




#8  
Chloroethane  
Concen: 4.856 ug/L  
RT: 1.935 min Scan# 185  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

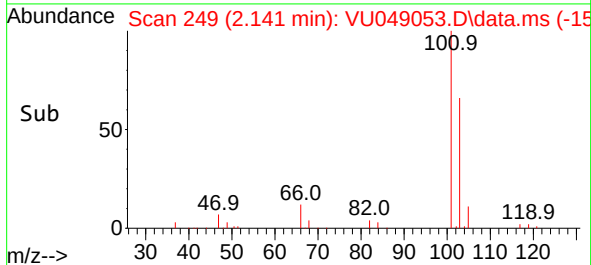
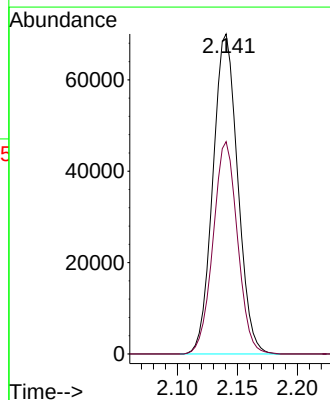
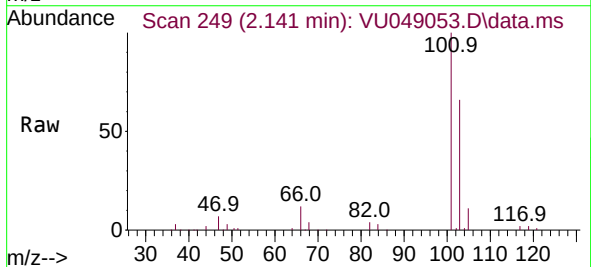
Instrument :  
MSVOA\_U  
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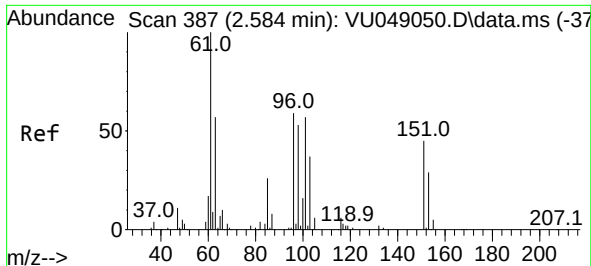
Tgt Ion: 64 Resp: 38947  
Ion Ratio Lower Upper  
64 100  
66 33.4 22.7 42.3



#9  
Trichlorofluoromethane  
Concen: 5.009 ug/L  
RT: 2.141 min Scan# 249  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion: 101 Resp: 100764  
Ion Ratio Lower Upper  
101 100  
103 65.2 50.5 75.7

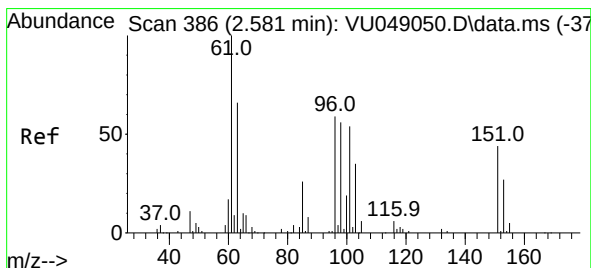
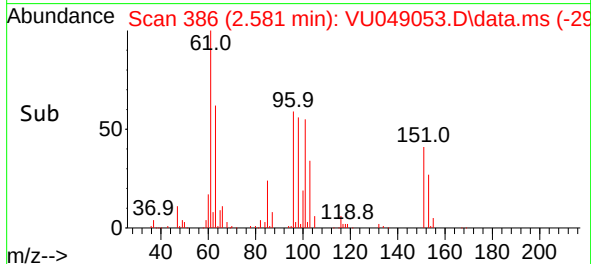
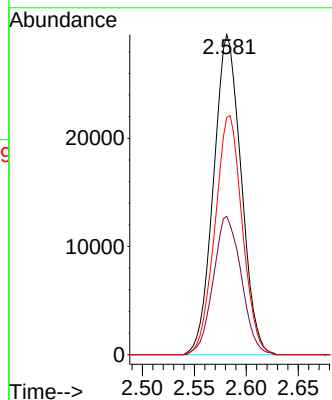
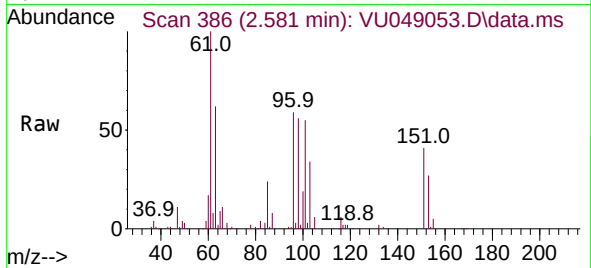




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.128 ug/L  
RT: 2.581 min Scan# 386  
Delta R.T. -0.003 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

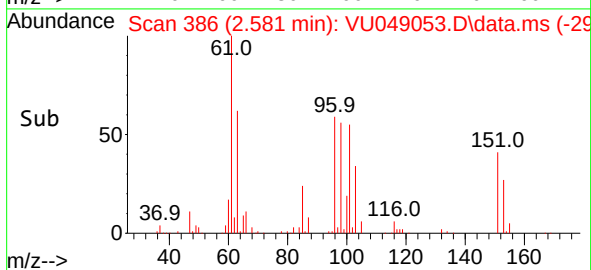
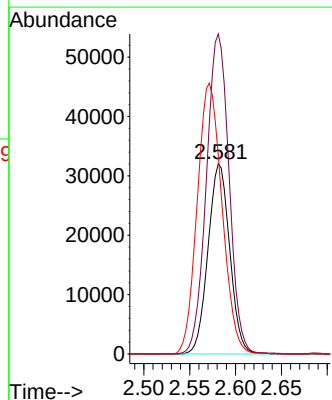
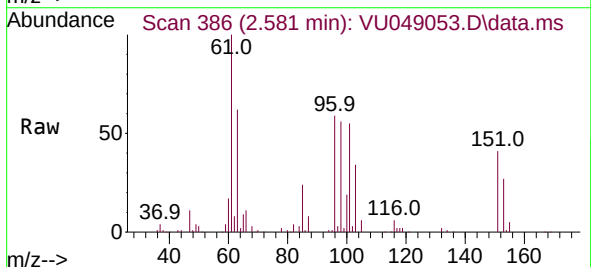
Instrument :  
MSVOA\_U  
ClientSampleId :

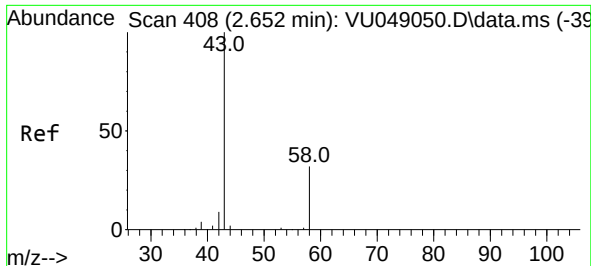
Tgt Ion:101 Resp: 54581  
Ion Ratio Lower Upper  
101 100  
85 43.9 36.0 54.0  
151 74.2 60.7 91.1



#12  
1,1-Dichloroethene  
Concen: 5.079 ug/L  
RT: 2.581 min Scan# 386  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion: 96 Resp: 52636  
Ion Ratio Lower Upper  
96 100  
61 168.2 118.9 220.7  
63 104.6 81.8 151.8





#13

Acetone

Concen: 39.316 ug/L

RT: 2.636 min Scan# 408

Delta R.T. -0.016 min

Lab File: VU049053.D

Acq: 11 Jun 2022 14:33

Instrument :

MSVOA\_U

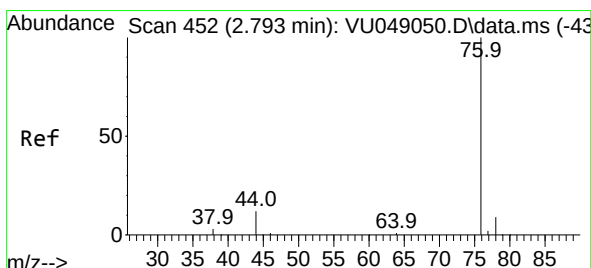
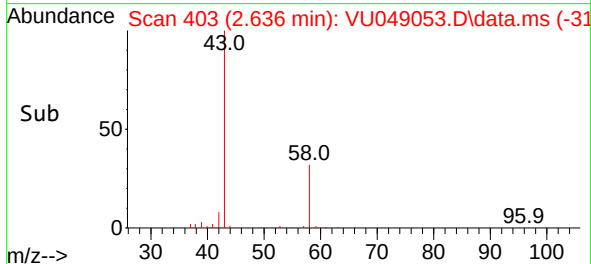
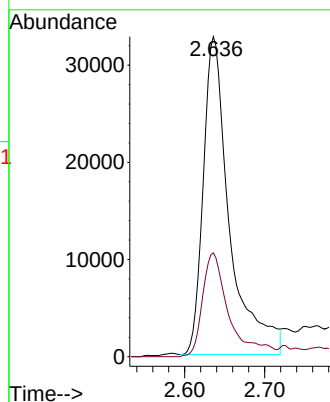
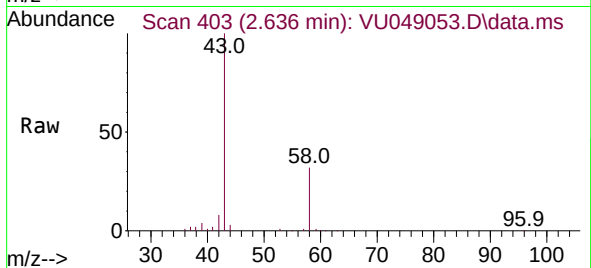
ClientSampleId :

Tgt Ion: 43 Resp: 75078

Ion Ratio Lower Upper

43 100

58 33.1 0.0 67.0



#14

Carbon disulfide

Concen: 4.921 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU049053.D

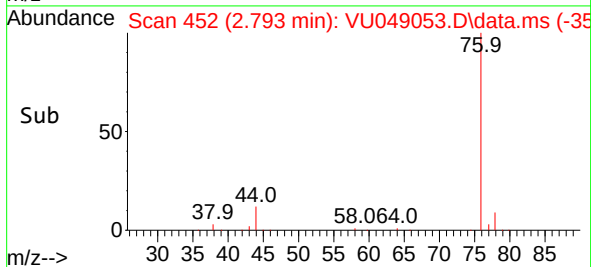
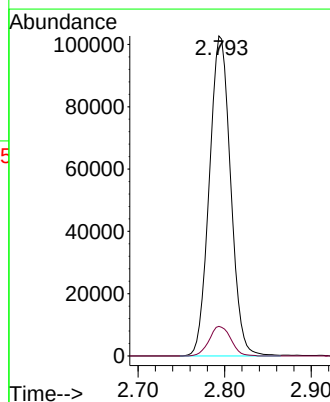
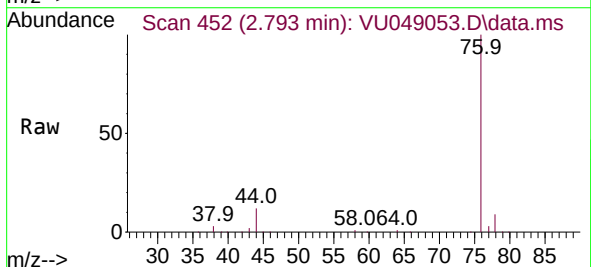
Acq: 11 Jun 2022 14:33

Tgt Ion: 76 Resp: 175524

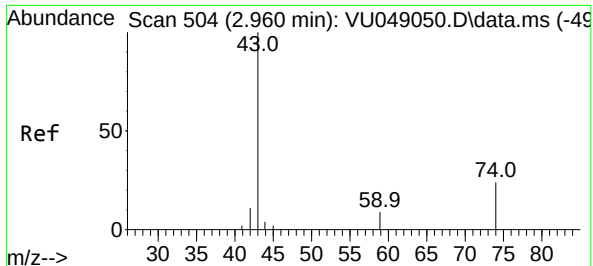
Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



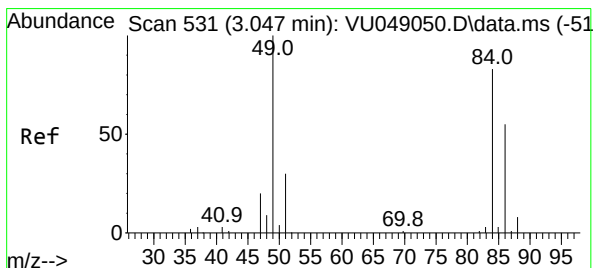
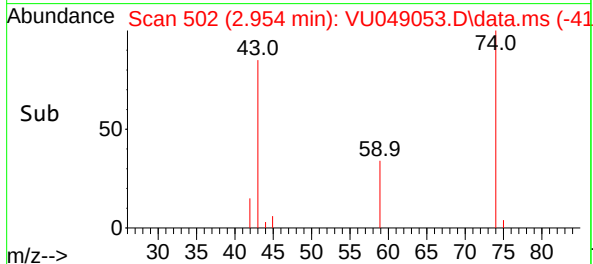
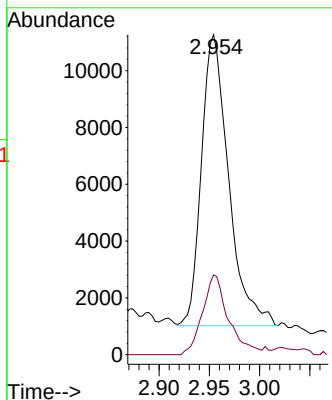
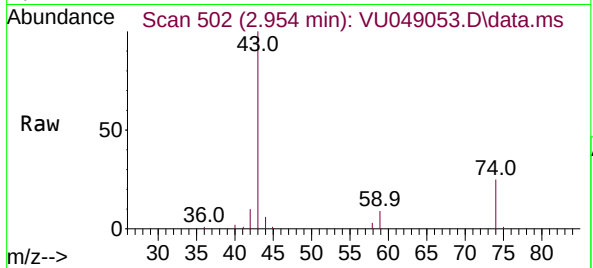




#15  
Methyl Acetate  
Concen: 3.925 ug/L  
RT: 2.954 min Scan# 504  
Delta R.T. -0.006 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

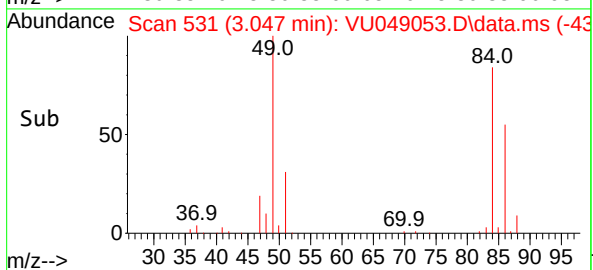
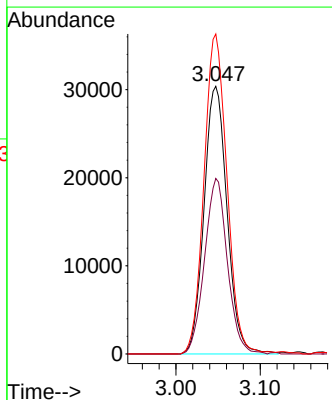
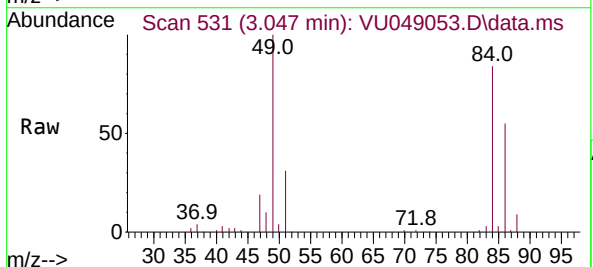
Instrument :  
MSVOA\_U  
ClientSampleId :

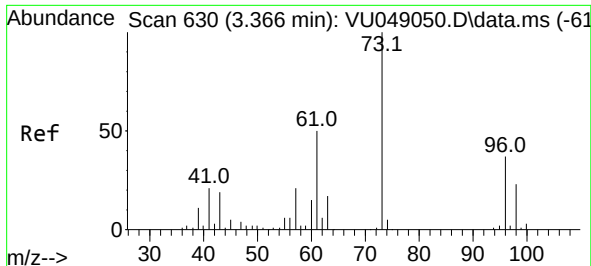
Tgt Ion: 43 Resp: 19315  
Ion Ratio Lower Upper  
43 100  
74 26.1 19.1 28.7



#16  
Methylene chloride  
Concen: 4.540 ug/L  
RT: 3.047 min Scan# 531  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

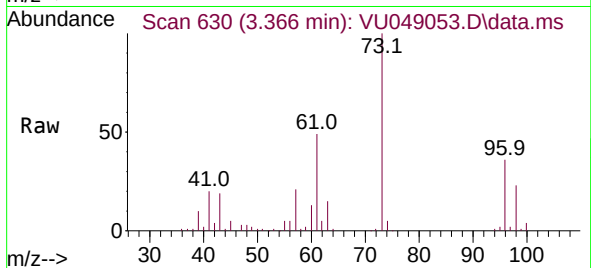
Tgt Ion: 84 Resp: 57838  
Ion Ratio Lower Upper  
84 100  
86 65.6 46.1 85.7  
49 119.5 84.5 156.9



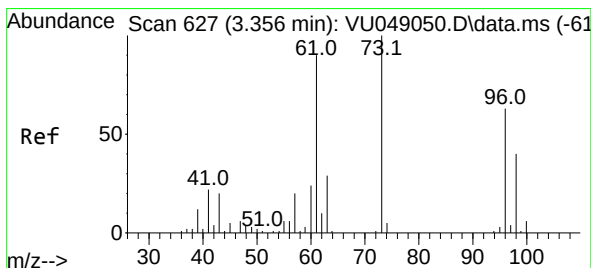
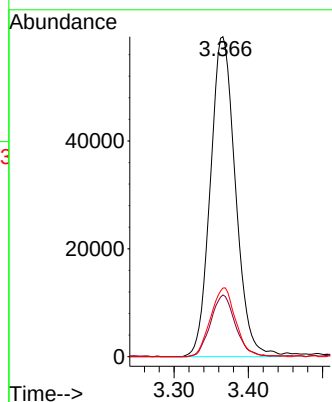
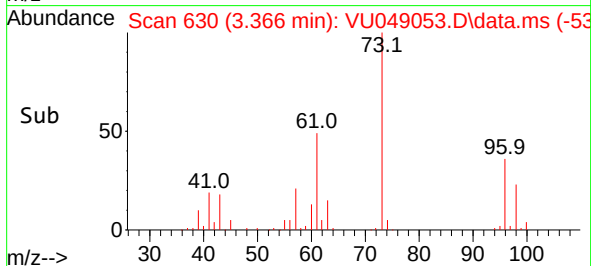


#17  
Methyl tert-butyl Ether  
Concen: 5.014 ug/L  
RT: 3.366 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

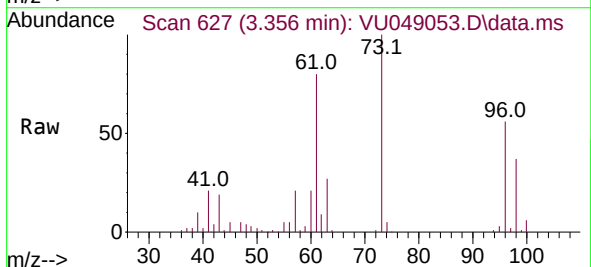
Instrument :  
MSVOA\_U  
ClientSampleId :



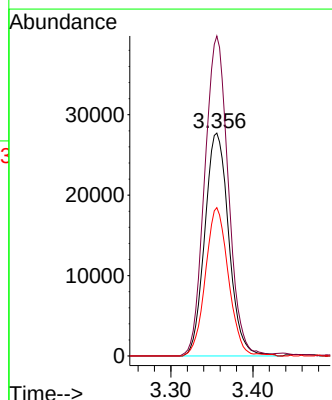
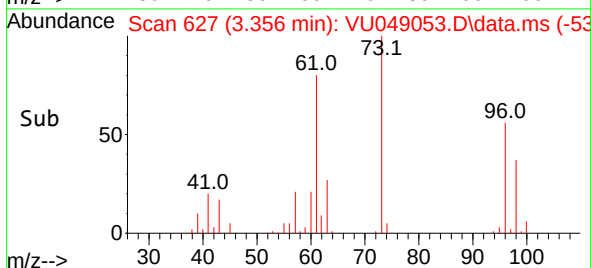
Tgt Ion: 73 Resp: 139438  
Ion Ratio Lower Upper  
73 100  
43 19.1 15.3 22.9  
57 21.5 17.0 25.4

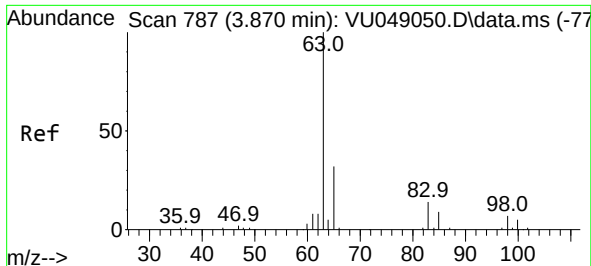


#18  
trans-1,2-Dichloroethene  
Concen: 4.986 ug/L  
RT: 3.356 min Scan# 627  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33



Tgt Ion: 96 Resp: 56339  
Ion Ratio Lower Upper  
96 100  
61 143.6 99.1 184.1  
98 66.5 44.1 81.9





#19

1,1-Dichloroethane

Concen: 4.844 ug/L

RT: 3.870 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU049053.D

Acq: 11 Jun 2022 14:33

Instrument :

MSVOA\_U

ClientSampleId :

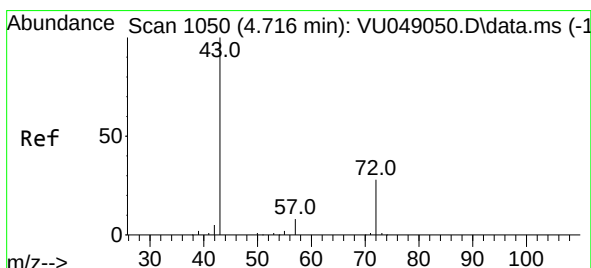
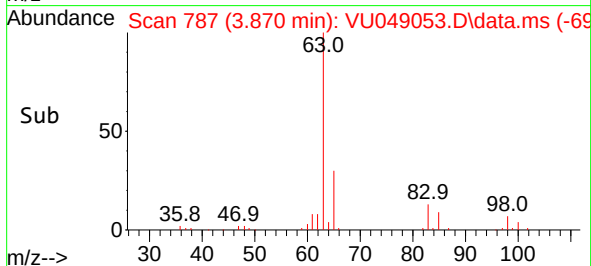
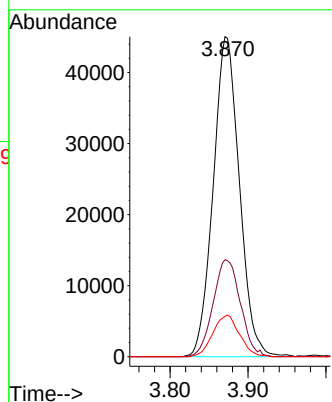
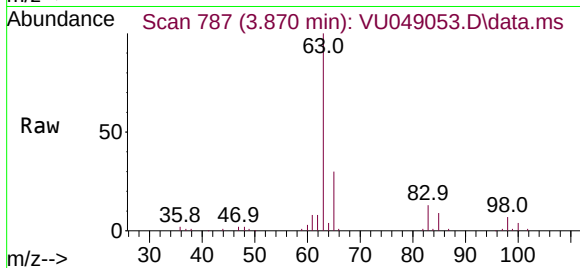
Tgt Ion: 63 Resp: 104888

Ion Ratio Lower Upper

63 100

65 30.3 22.4 41.6

83 12.6 9.7 17.9



#21

2-Butanone

Concen: 42.200 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. -0.006 min

Lab File: VU049053.D

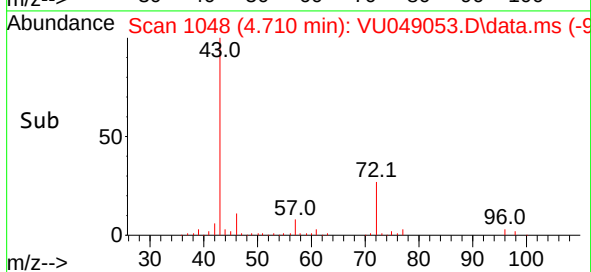
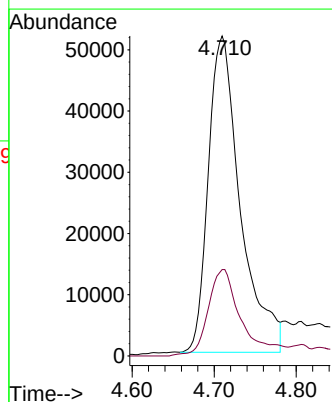
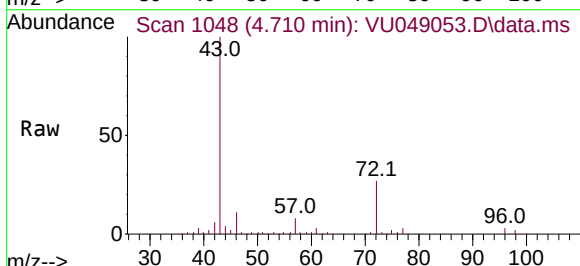
Acq: 11 Jun 2022 14:33

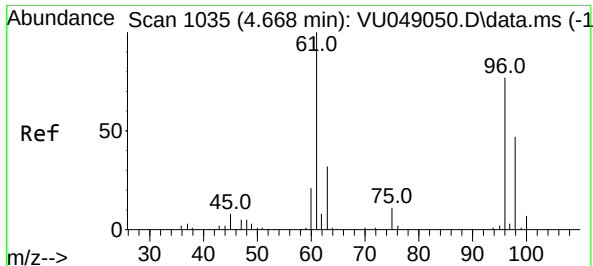
Tgt Ion: 43 Resp: 140707

Ion Ratio Lower Upper

43 100

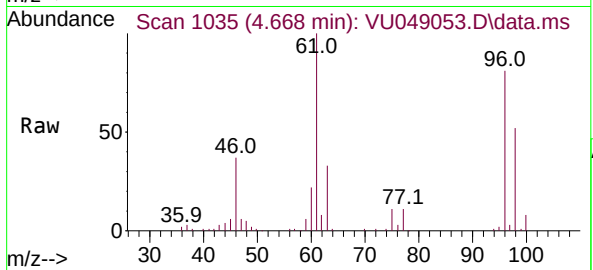
72 28.3 14.1 42.2



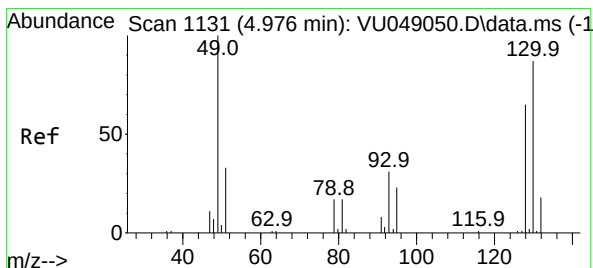
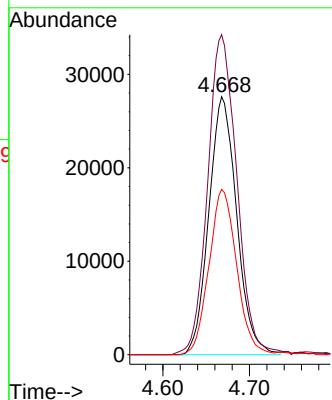
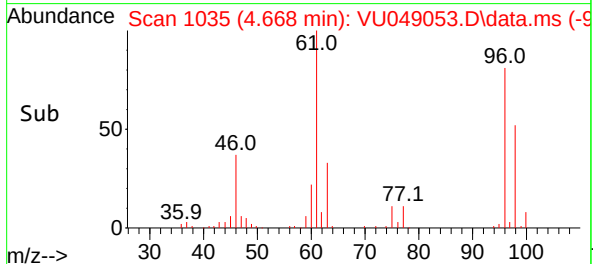


#22  
 cis-1,2-Dichloroethene  
 Concen: 4.626 ug/L  
 RT: 4.668 min Scan# 1035  
 Delta R.T. 0.000 min  
 Lab File: VU049053.D  
 Acq: 11 Jun 2022 14:33

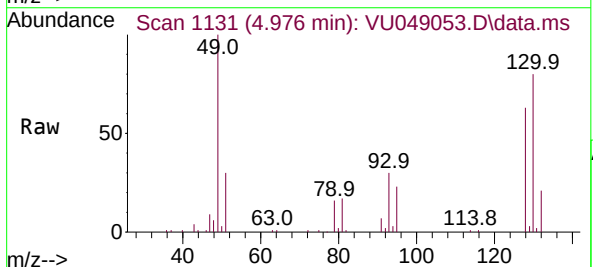
Instrument :  
 MSVOA\_U  
 ClientSampleId :



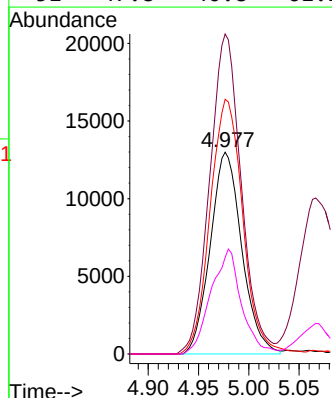
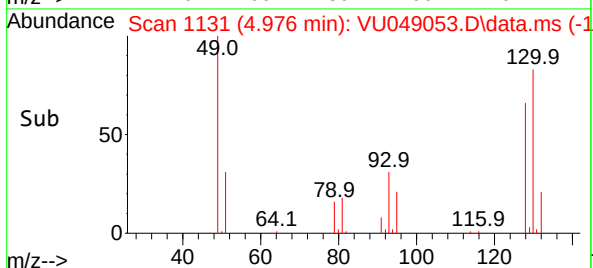
Tgt Ion: 96 Resp: 61865  
 Ion Ratio Lower Upper  
 96 100  
 61 124.1 91.1 169.1  
 98 64.1 43.0 80.0

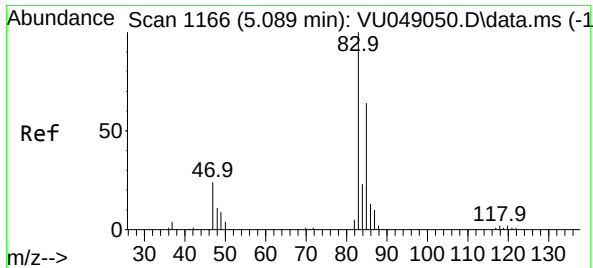


#23  
 Bromochloromethane  
 Concen: 4.895 ug/L  
 RT: 4.976 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VU049053.D  
 Acq: 11 Jun 2022 14:33



Tgt Ion: 128 Resp: 28340  
 Ion Ratio Lower Upper  
 128 100  
 49 158.6 106.9 198.5  
 130 126.2 93.0 172.6  
 51 47.8 40.8 61.2

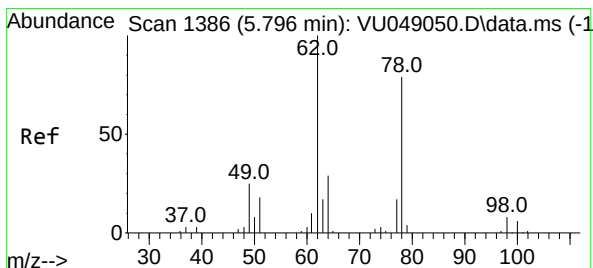
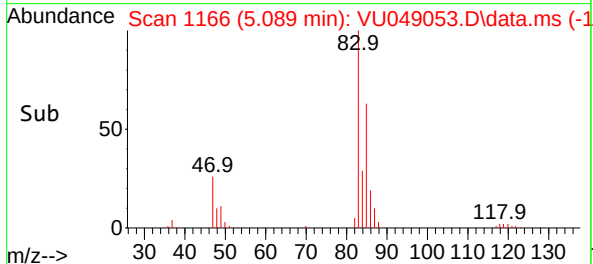
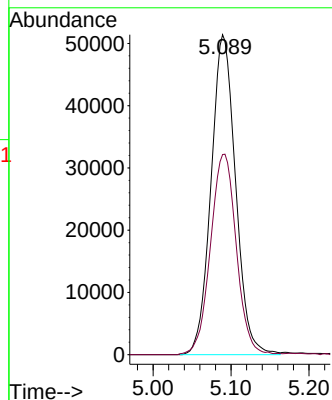
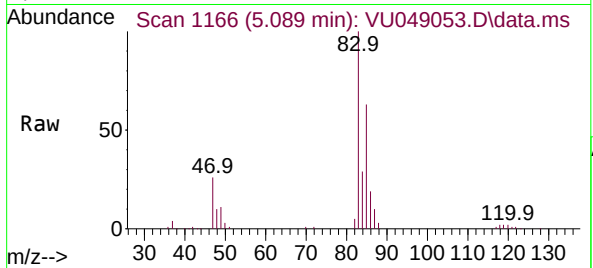




#25  
Chloroform  
Concen: 4.905 ug/L  
RT: 5.089 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

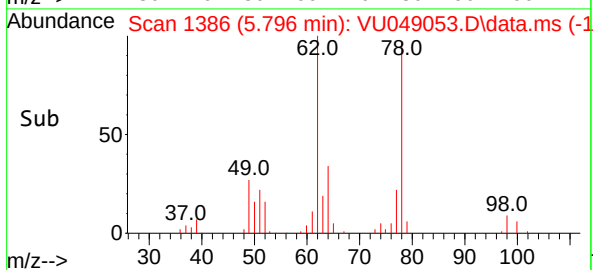
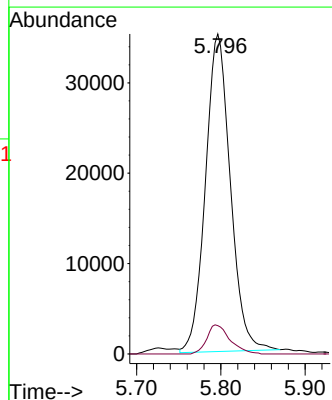
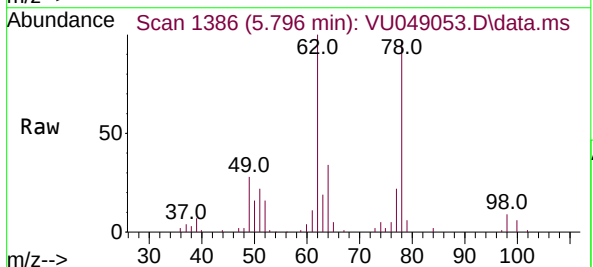
Instrument :  
MSVOA\_U  
ClientSampleId :

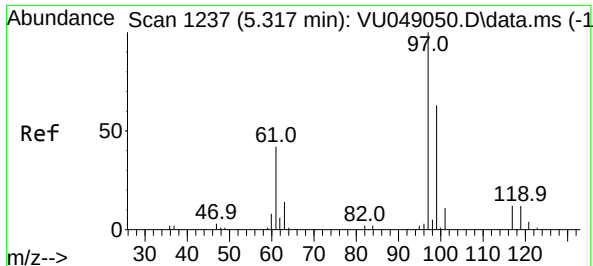
Tgt Ion: 83 Resp: 112327  
Ion Ratio Lower Upper  
83 100  
85 62.6 44.7 83.1



#27  
1,2-Dichloroethane  
Concen: 4.712 ug/L  
RT: 5.796 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion: 62 Resp: 72129  
Ion Ratio Lower Upper  
62 100  
98 8.9 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 4.710 ug/L

RT: 5.317 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049053.D

Acq: 11 Jun 2022 14:33

Instrument :

MSVOA\_U

ClientSampleId :

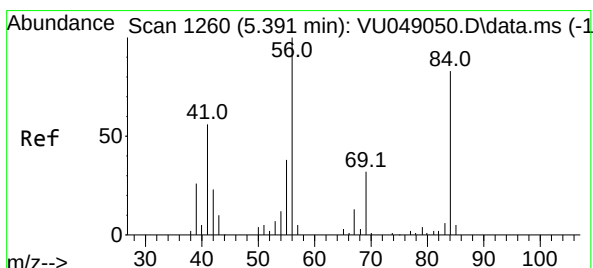
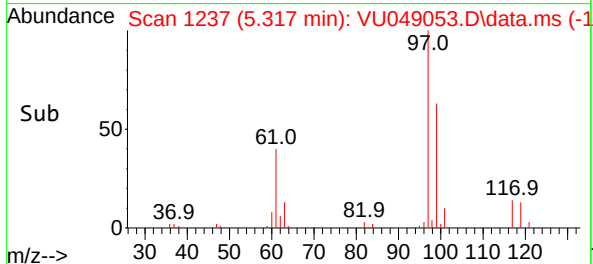
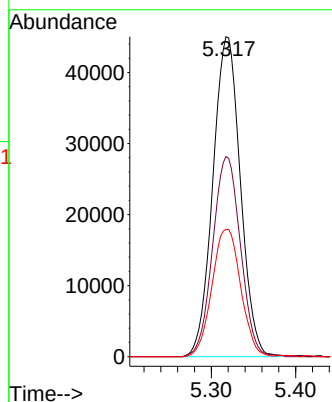
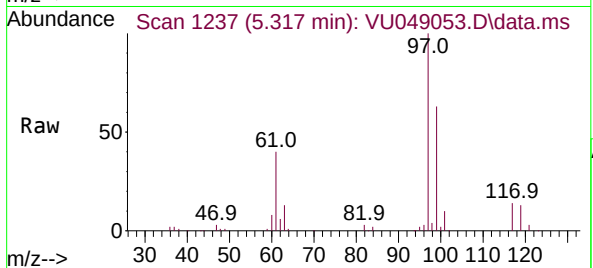
Tgt Ion: 97 Resp: 102056

Ion Ratio Lower Upper

97 100

99 63.1 50.9 76.3

61 41.6 33.2 49.8



#30

Cyclohexane

Concen: 4.716 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU049053.D

Acq: 11 Jun 2022 14:33

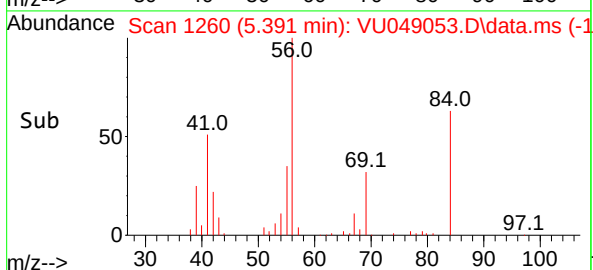
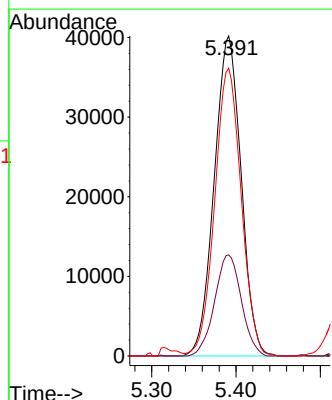
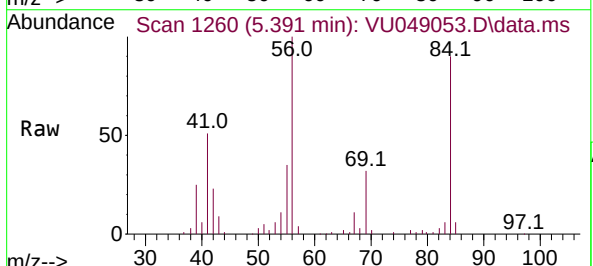
Tgt Ion: 56 Resp: 88950

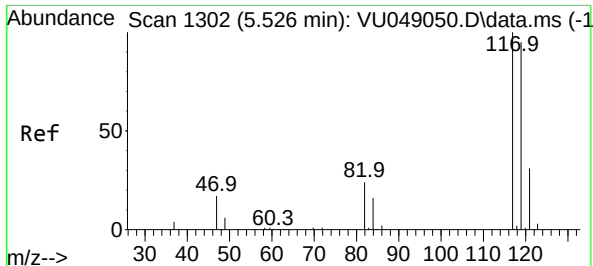
Ion Ratio Lower Upper

56 100

69 31.4 24.6 36.8

84 88.8 68.8 103.2

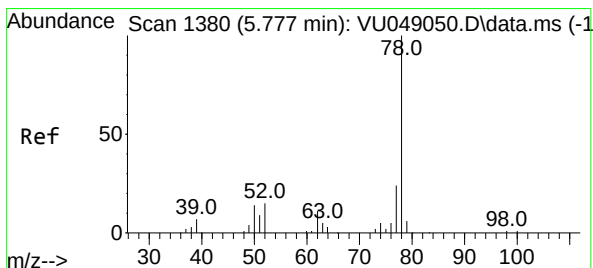
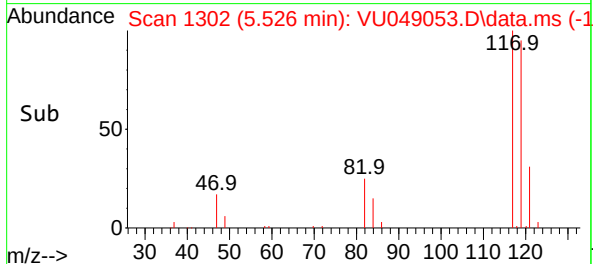
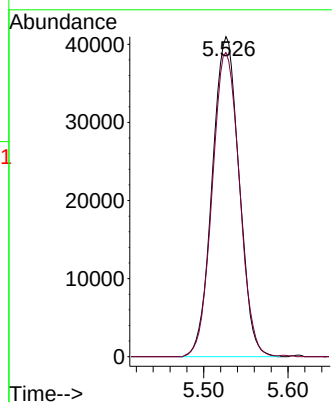
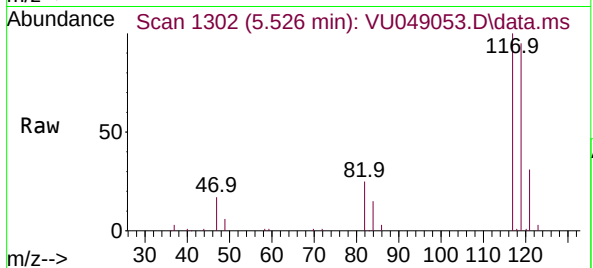




#31  
Carbon tetrachloride  
Concen: 4.711 ug/L  
RT: 5.526 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

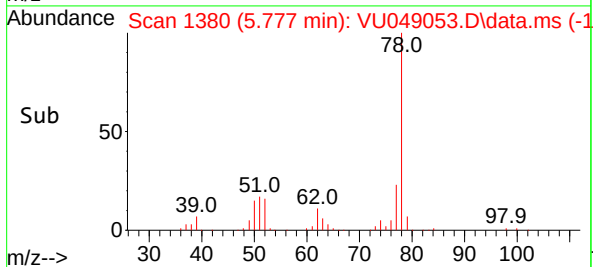
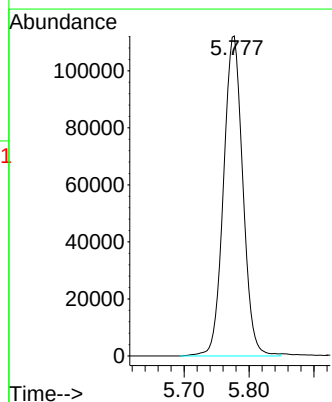
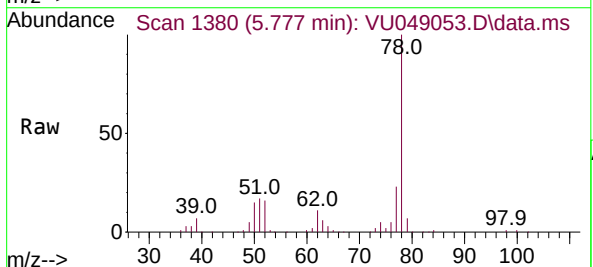
Instrument :  
MSVOA\_U  
ClientSampleId :

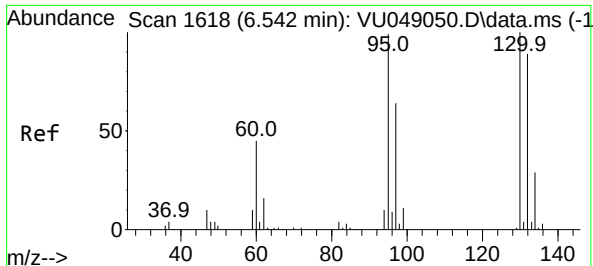
Tgt Ion:117 Resp: 90622  
Ion Ratio Lower Upper  
117 100  
119 96.4 76.5 114.7



#33  
Benzene  
Concen: 4.561 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion: 78 Resp: 231525

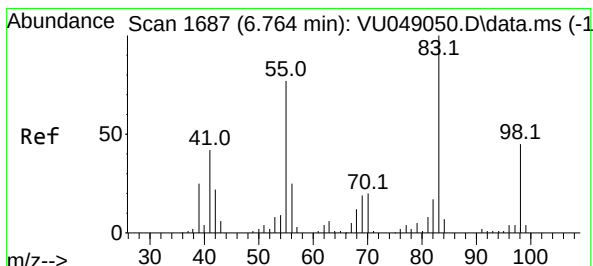
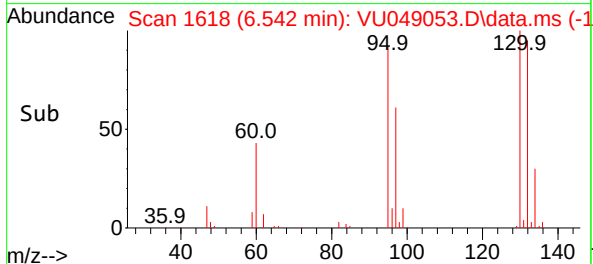
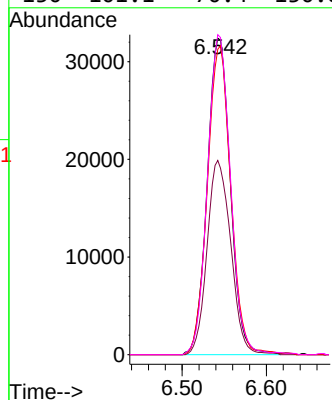
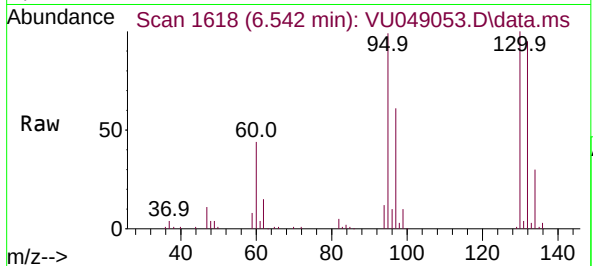




#34  
Trichloroethene  
Concen: 4.716 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

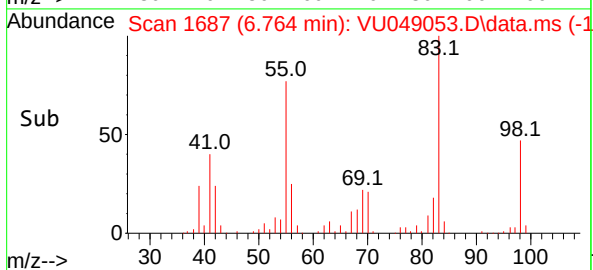
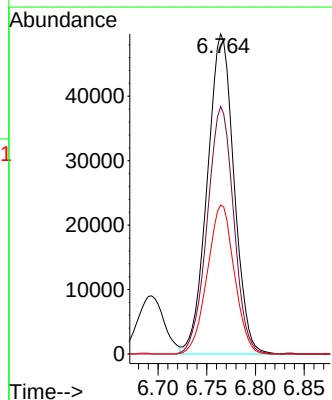
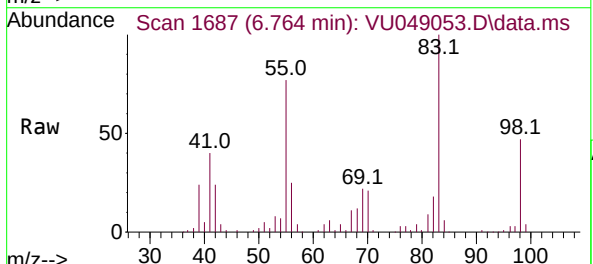
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 95 Resp: 61836  
Ion Ratio Lower Upper  
95 100  
97 61.4 44.9 83.5  
132 96.5 62.8 116.6  
130 101.1 70.4 130.8

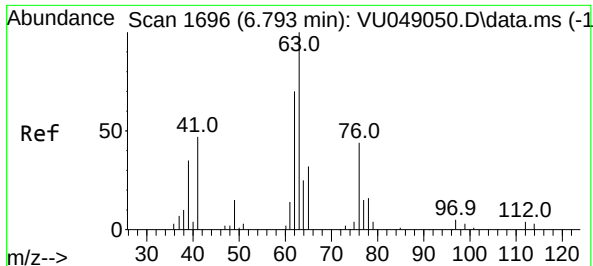


#35  
Methylcyclohexane  
Concen: 4.782 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion: 83 Resp: 94921  
Ion Ratio Lower Upper  
83 100  
55 76.4 60.6 90.8  
98 46.9 35.8 53.8



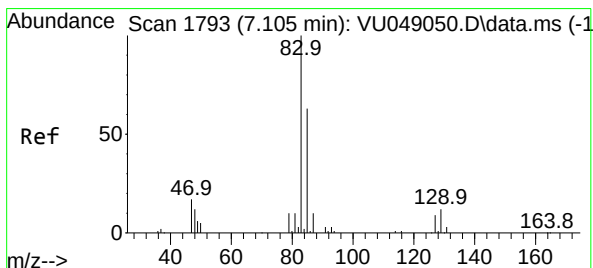
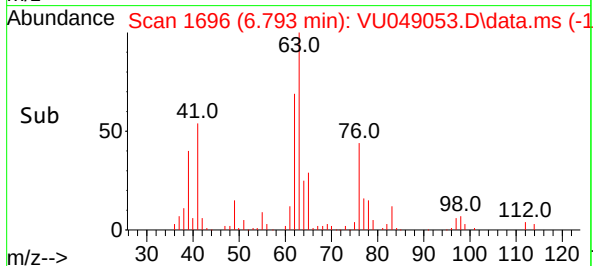
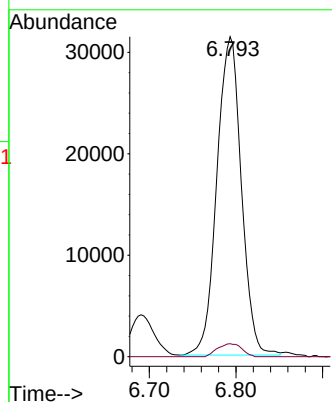
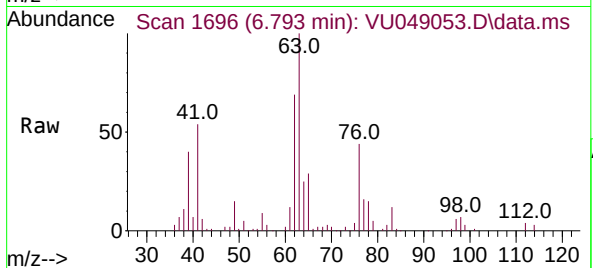




#37  
1,2-Dichloropropane  
Concen: 4.640 ug/L  
RT: 6.793 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

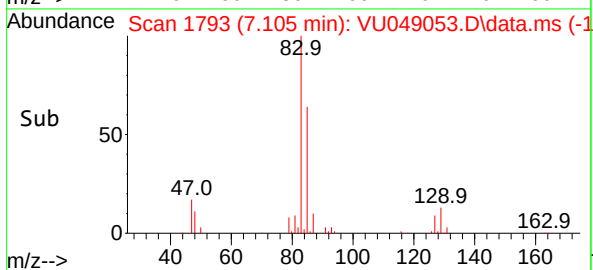
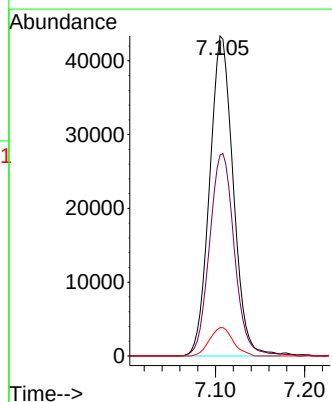
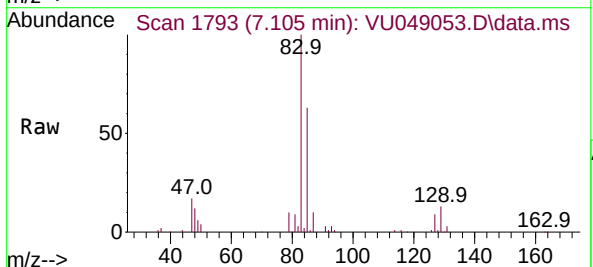
Instrument :  
MSVOA\_U  
ClientSampleId :

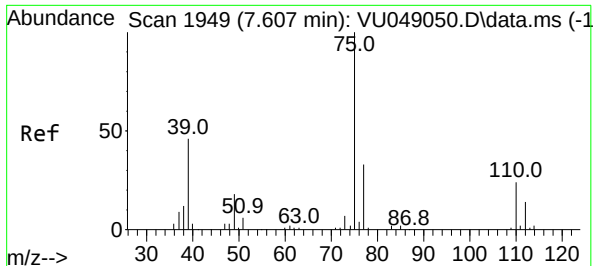
Tgt Ion: 63 Resp: 61606  
Ion Ratio Lower Upper  
63 100  
112 4.0 2.8 4.2



#38  
Bromodichloromethane  
Concen: 4.483 ug/L  
RT: 7.105 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion: 83 Resp: 79765  
Ion Ratio Lower Upper  
83 100  
85 62.8 43.8 81.4  
127 8.8 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.851 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049053.D

Acq: 11 Jun 2022 14:33

Instrument :

MSVOA\_U

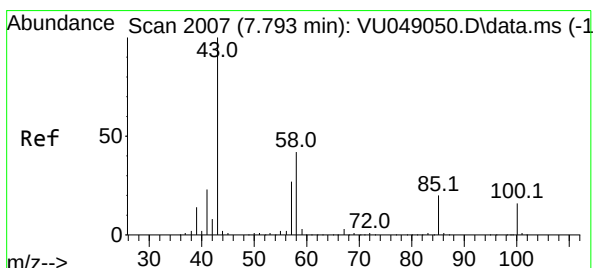
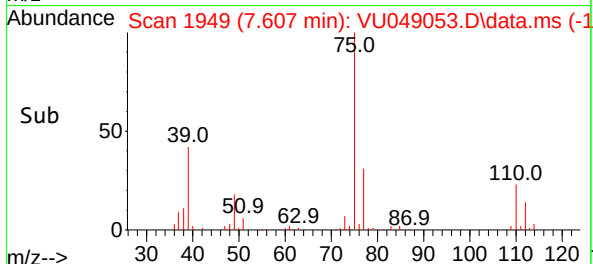
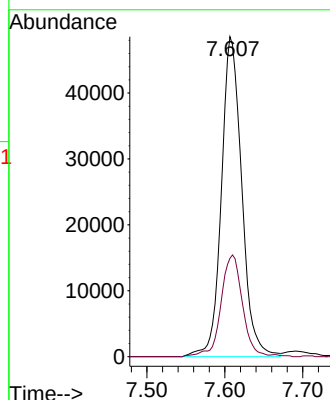
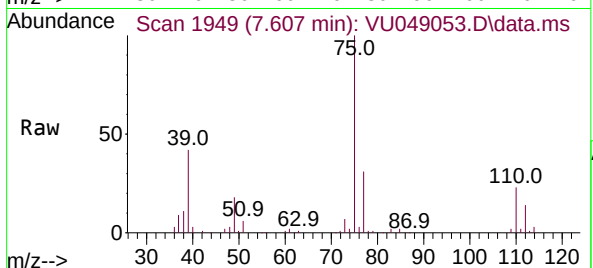
ClientSampleId :

Tgt Ion: 75 Resp: 88199

Ion Ratio Lower Upper

75 100

77 30.8 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 50.436 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU049053.D

Acq: 11 Jun 2022 14:33

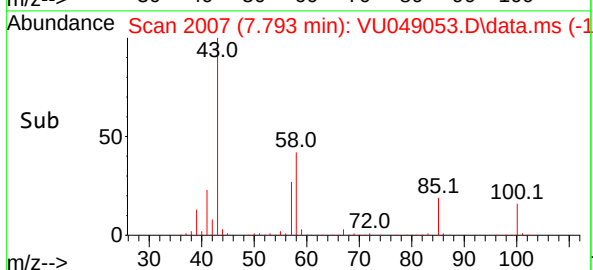
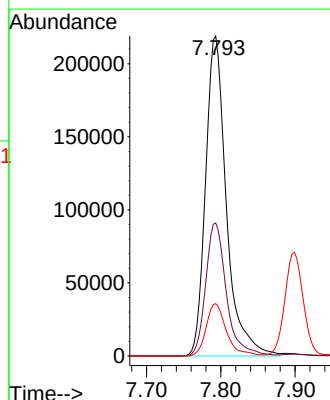
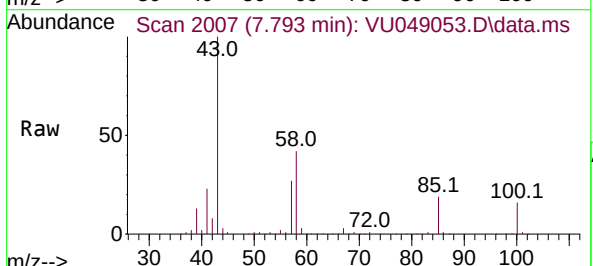
Tgt Ion: 43 Resp: 426229

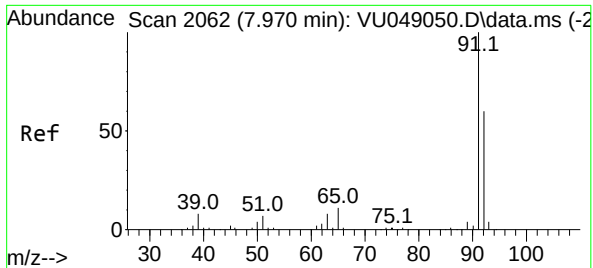
Ion Ratio Lower Upper

43 100

58 41.3 32.6 49.0

100 15.9 12.6 18.8

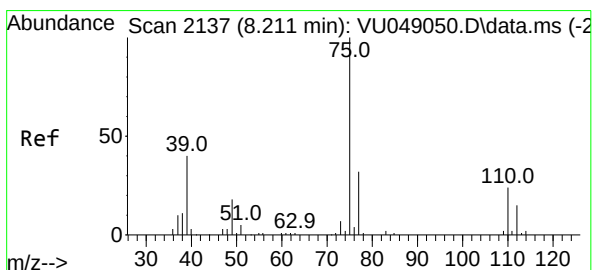
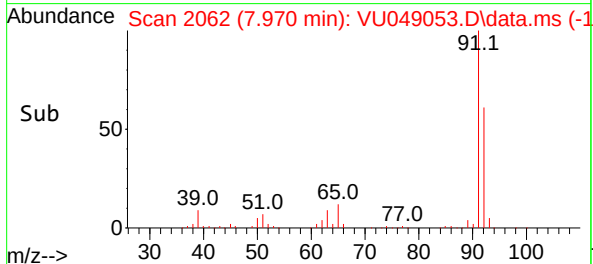
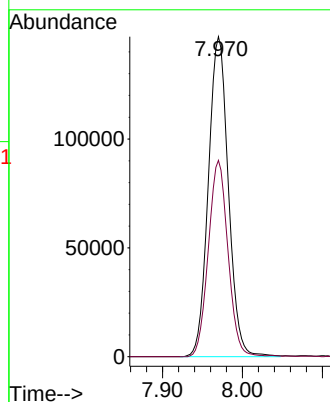
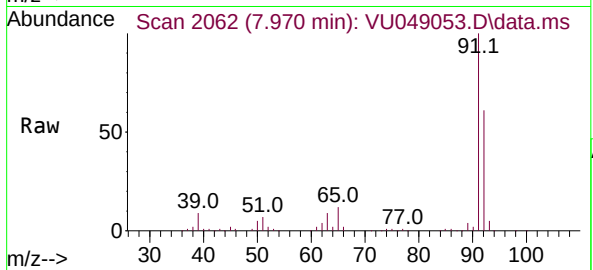




#42  
Toluene  
Concen: 4.949 ug/L  
RT: 7.970 min Scan# 2062  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

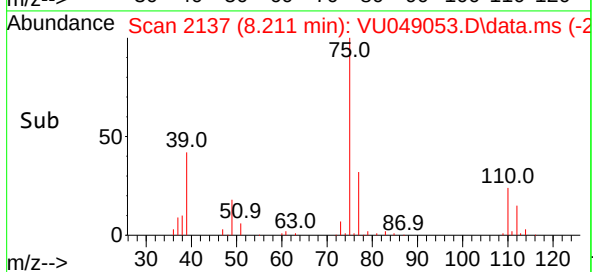
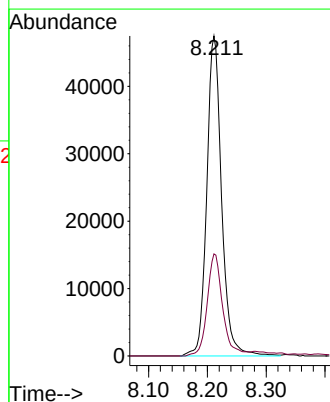
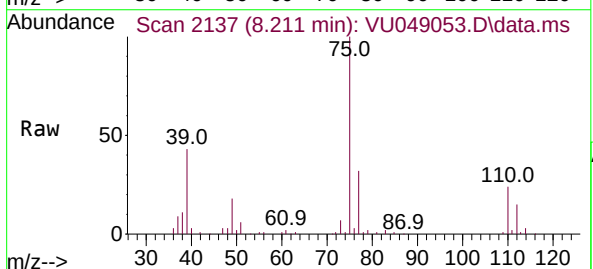
Instrument :  
MSVOA\_U  
ClientSampleId :

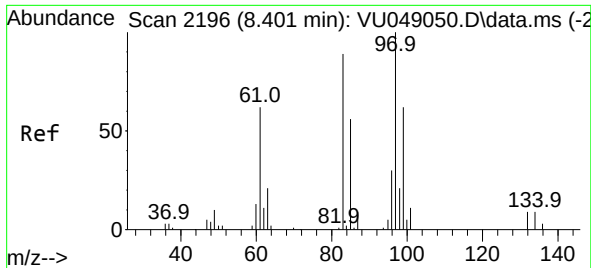
Tgt Ion: 91 Resp: 255139  
Ion Ratio Lower Upper  
91 100  
92 61.3 42.1 78.1



#44  
trans-1,3-Dichloropropene  
Concen: 5.086 ug/L  
RT: 8.211 min Scan# 2137  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

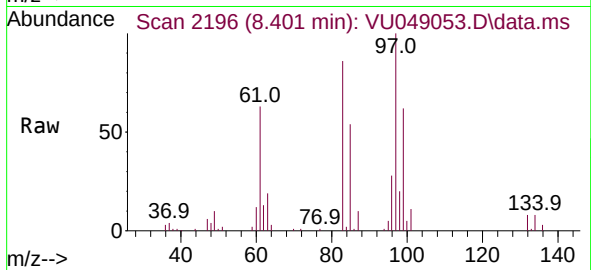
Tgt Ion: 75 Resp: 83157  
Ion Ratio Lower Upper  
75 100  
77 31.9 22.6 42.0



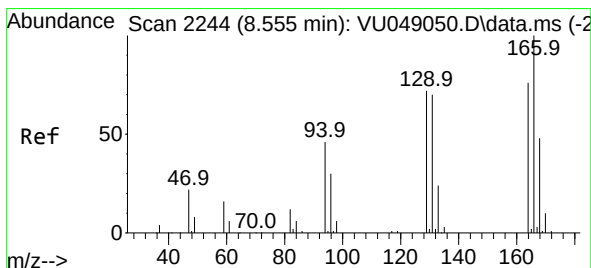
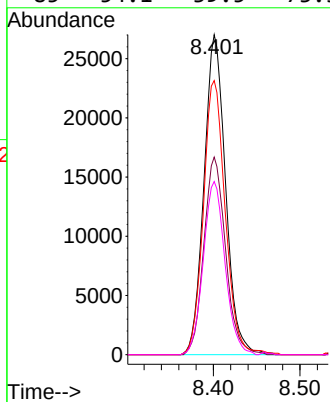
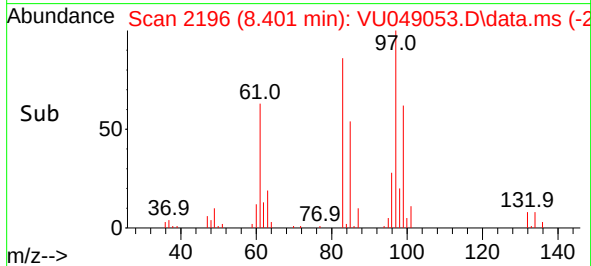


#45  
1,1,2-Trichloroethane  
Concen: 4.957 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

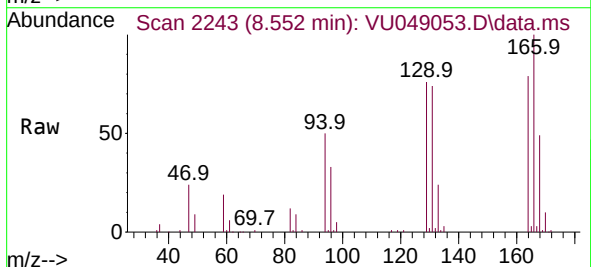
Instrument :  
MSVOA\_U  
ClientSampleId :



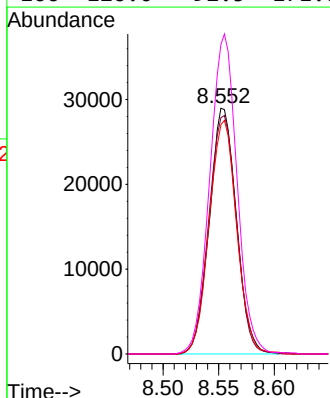
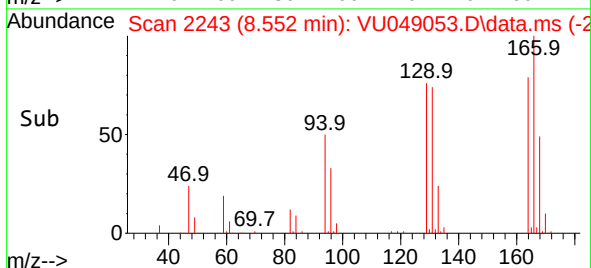
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 46742 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.8  | 43.3  | 80.5  |
| 83       | 85.6  | 62.1  | 115.3 |
| 85       | 54.1  | 39.5  | 73.3  |

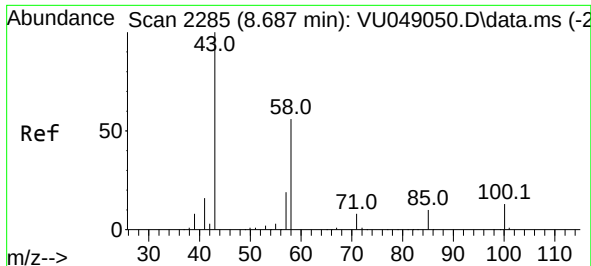


#47  
Tetrachloroethene  
Concen: 4.685 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.003 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33



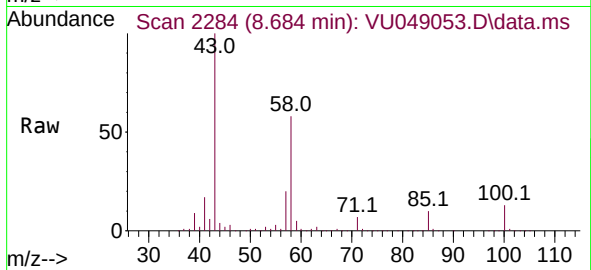
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 48824 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 96.2  | 67.0  | 124.4 |
| 131      | 93.3  | 65.0  | 120.8 |
| 166      | 126.0 | 92.5  | 171.7 |



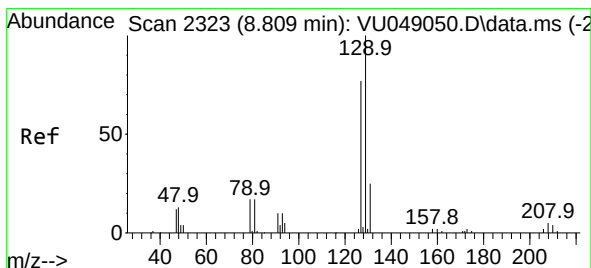
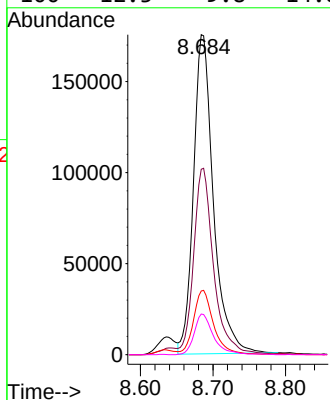
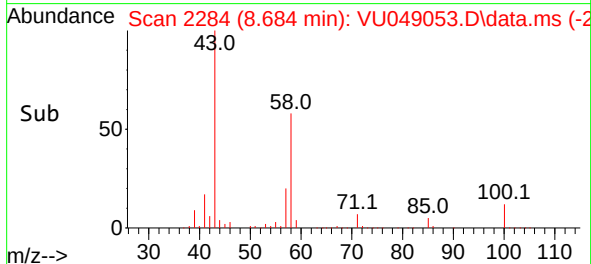


#48  
2-Hexanone  
Concen: 53.408 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Instrument :  
MSVOA\_U  
ClientSampleId :

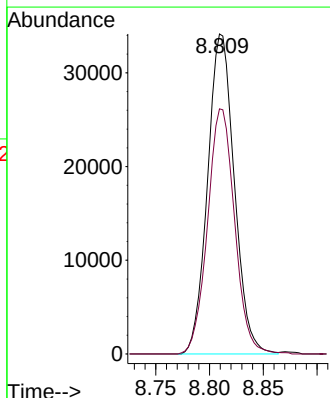
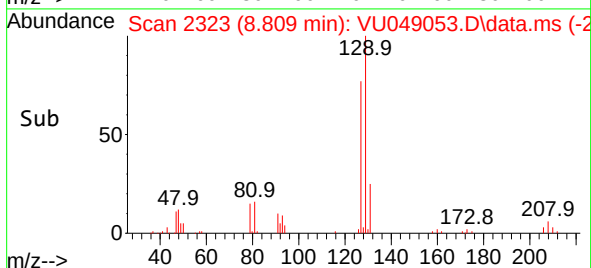
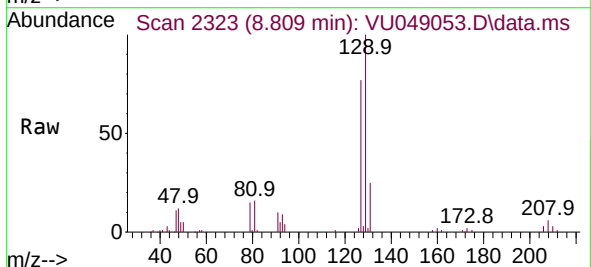


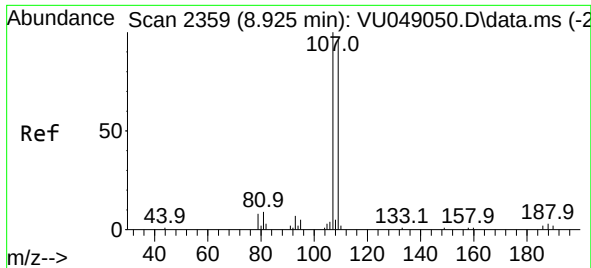
Tgt Ion: 43 Resp: 335249  
Ion Ratio Lower Upper  
43 100  
58 58.0 45.0 67.4  
57 20.0 15.9 23.9  
100 12.3 9.8 14.8



#49  
Dibromochloromethane  
Concen: 4.913 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion: 129 Resp: 59009  
Ion Ratio Lower Upper  
129 100  
127 76.6 54.1 100.5

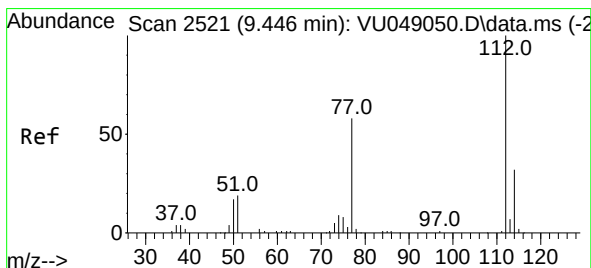
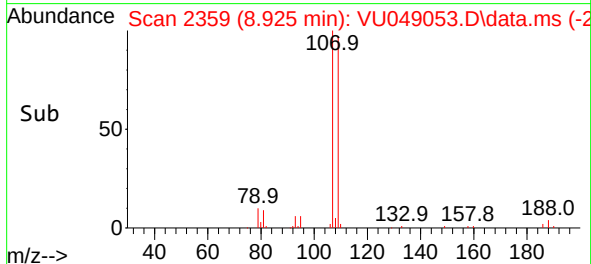
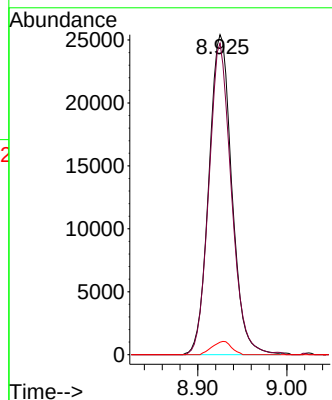
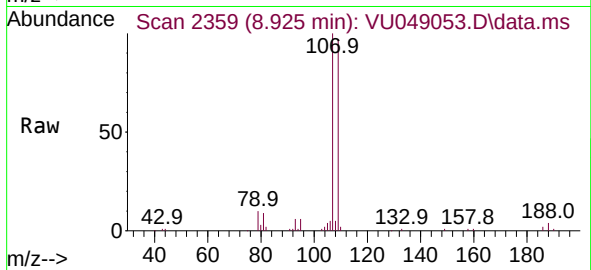




#50  
1,2-Dibromoethane  
Concen: 4.911 ug/L  
RT: 8.925 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

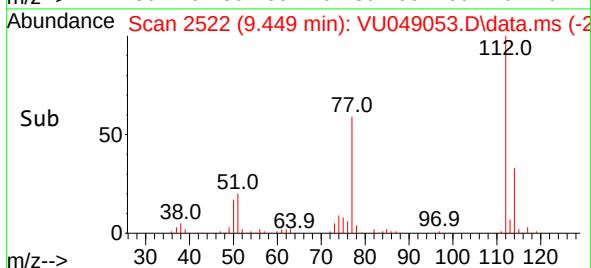
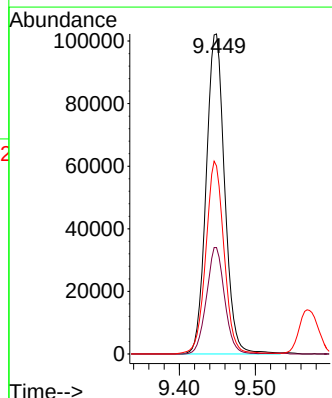
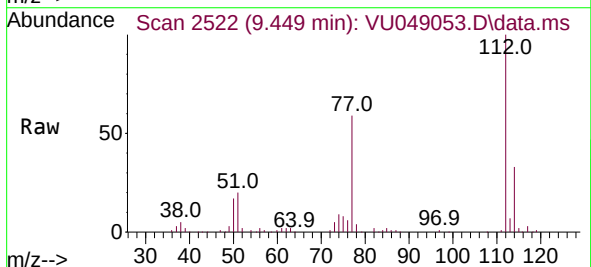
Instrument :  
MSVOA\_U  
ClientSampleId :

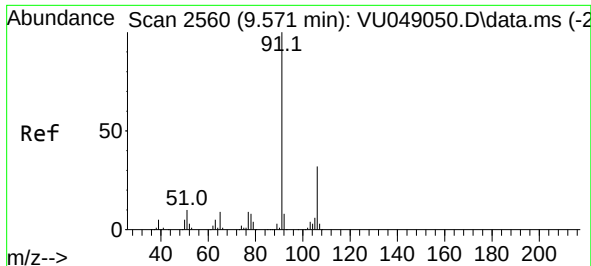
Tgt Ion:107 Resp: 45584  
Ion Ratio Lower Upper  
107 100  
109 97.3 67.0 124.4  
188 3.9 2.7 4.1



#51  
Chlorobenzene  
Concen: 5.081 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.003 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion:112 Resp: 172550  
Ion Ratio Lower Upper  
112 100  
114 33.3 22.4 41.6  
77 58.7 46.6 70.0

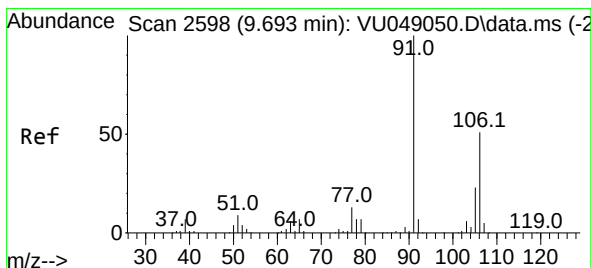
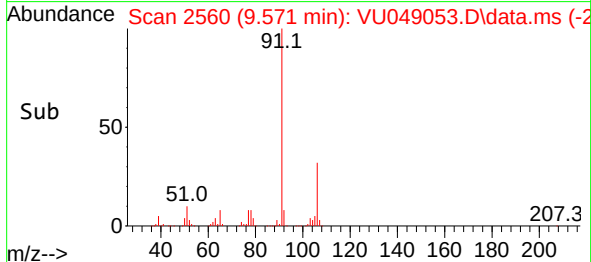
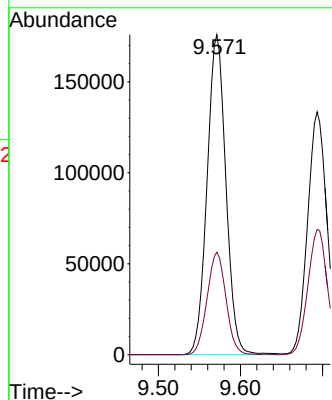
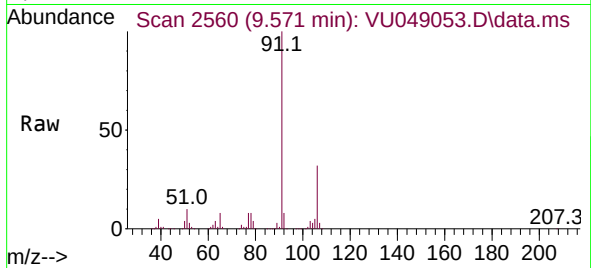




#52  
Ethylbenzene  
Concen: 5.292 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

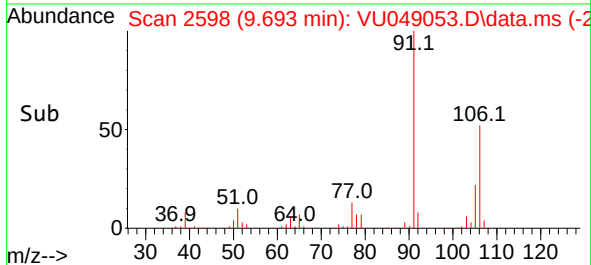
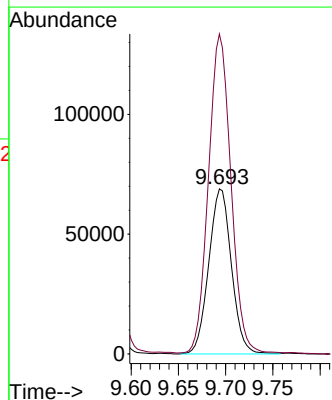
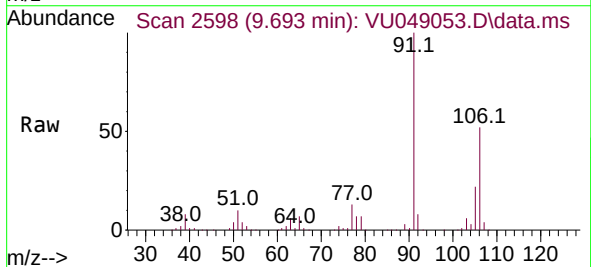
Instrument :  
MSVOA\_U  
ClientSampleId :

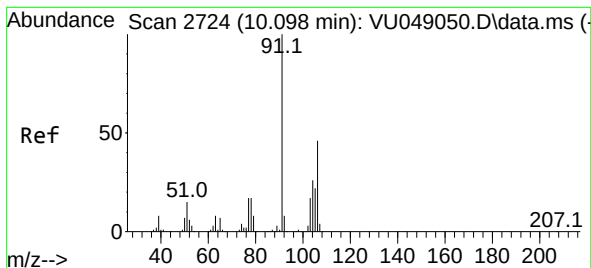
Tgt Ion: 91 Resp: 280124  
Ion Ratio Lower Upper  
91 100  
106 32.1 22.7 42.1



#53  
m,p-Xylene  
Concen: 5.323 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion:106 Resp: 115049  
Ion Ratio Lower Upper  
106 100  
91 193.8 137.4 255.2





#54

o-Xylene

Concen: 5.255 ug/L

RT: 10.098 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049053.D

Acq: 11 Jun 2022 14:33

Instrument :

MSVOA\_U

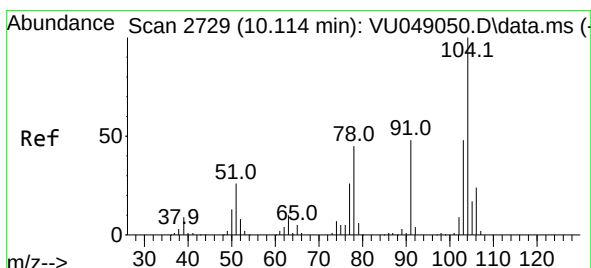
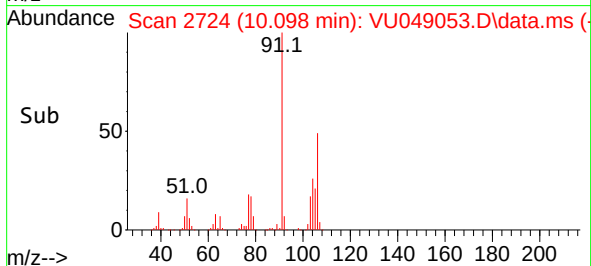
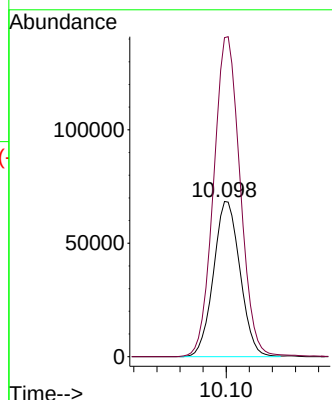
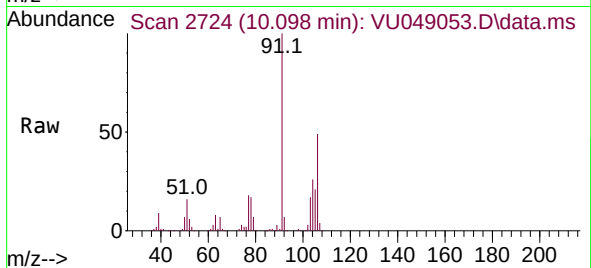
ClientSampleId :

Tgt Ion:106 Resp: 109175

Ion Ratio Lower Upper

106 100

91 205.5 152.5 283.1



#55

Styrene

Concen: 5.281 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU049053.D

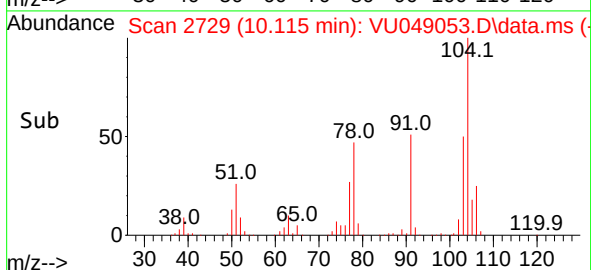
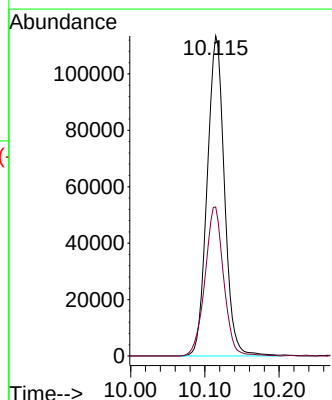
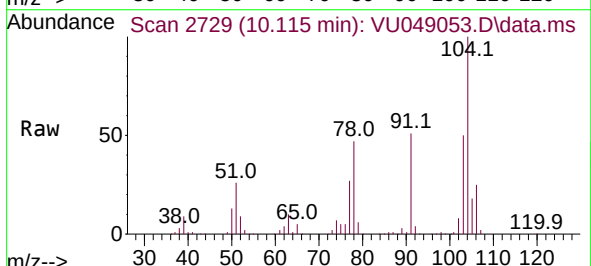
Acq: 11 Jun 2022 14:33

Tgt Ion:104 Resp: 183414

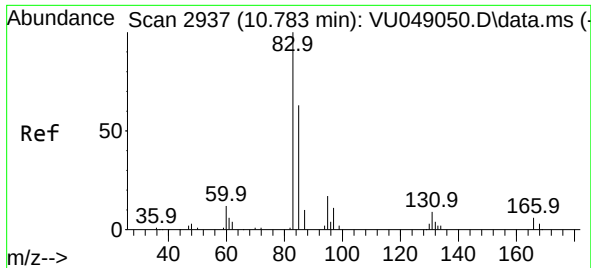
Ion Ratio Lower Upper

104 100

78 46.6 31.1 57.9



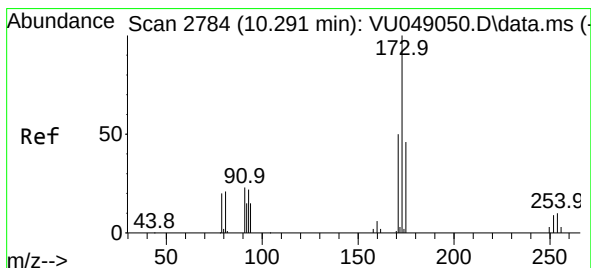
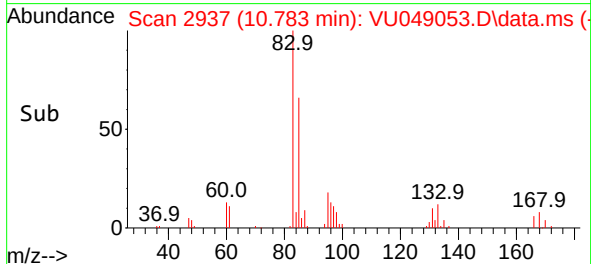
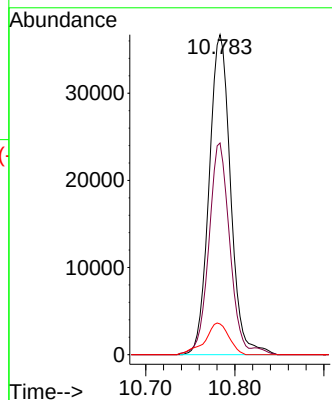
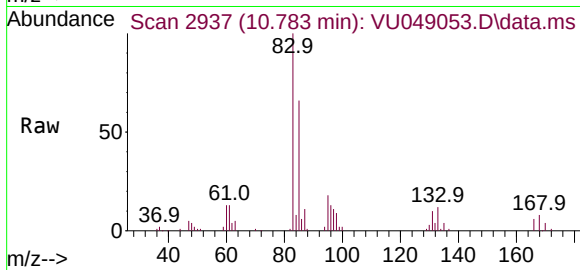




#57  
1,1,2-Tetrachloroethane  
Concen: 5.006 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

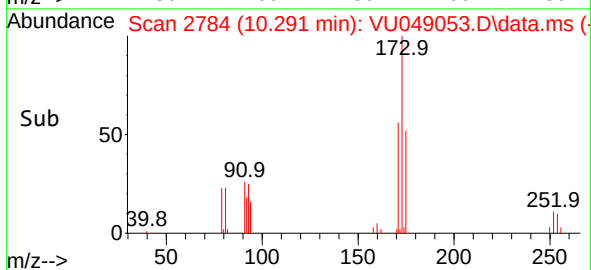
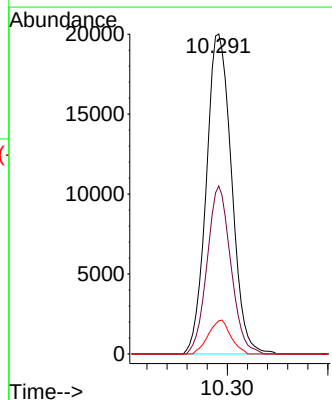
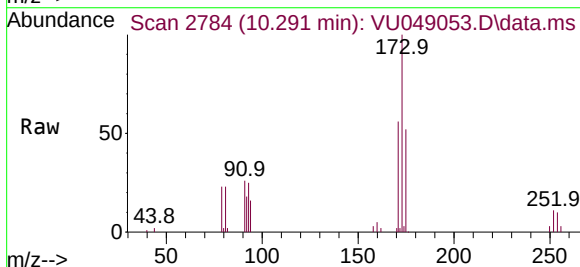
Instrument :  
MSVOA\_U  
ClientSampleId :

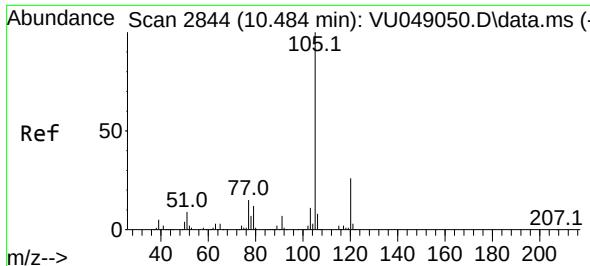
Tgt Ion: 83 Resp: 61304  
Ion Ratio Lower Upper  
83 100  
85 66.2 45.2 84.0  
131 9.6 7.8 11.6



#59  
Bromoform  
Concen: 4.887 ug/L  
RT: 10.291 min Scan# 2784  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion:173 Resp: 34880  
Ion Ratio Lower Upper  
173 100  
175 49.3 37.9 56.9  
254 9.4 7.5 11.3

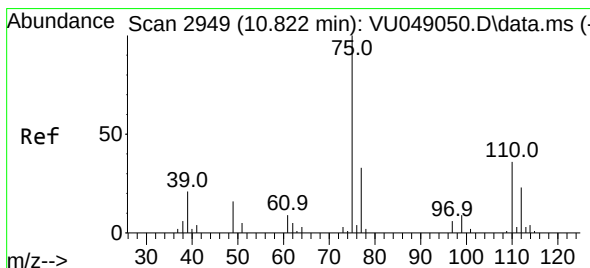
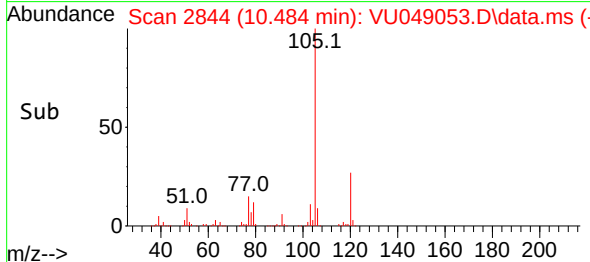
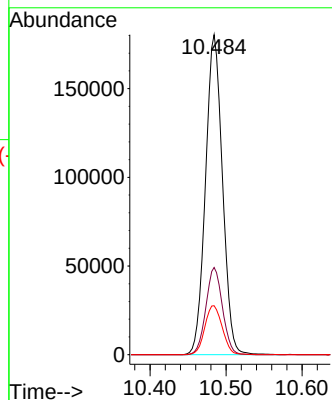
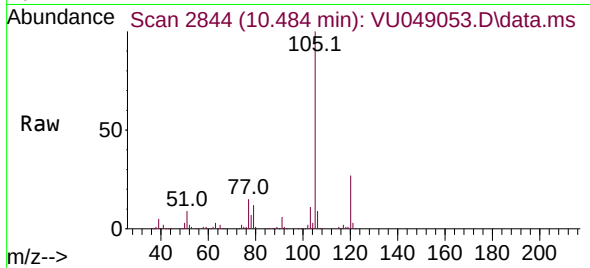




#60  
Isopropylbenzene  
Concen: 5.229 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

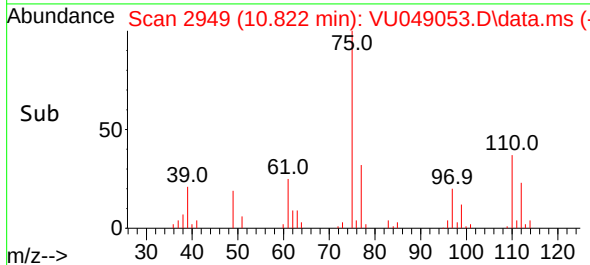
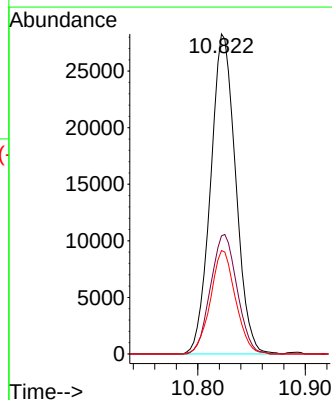
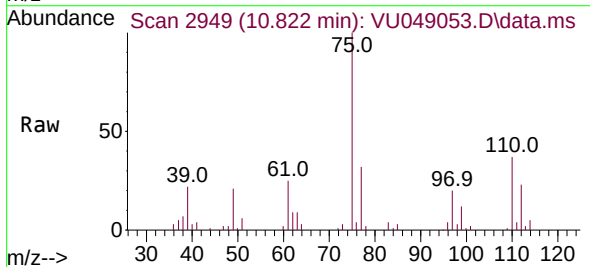
Instrument :  
MSVOA\_U  
ClientSampleId :

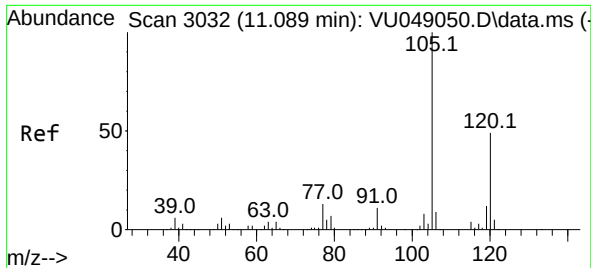
Tgt Ion:105 Resp: 280015  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.0 31.4  
77 15.7 12.4 18.6



#61  
1,2,3-Trichloropropane  
Concen: 4.876 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion: 75 Resp: 45769  
Ion Ratio Lower Upper  
75 100  
110 39.5 28.6 43.0  
77 32.3 25.4 38.0

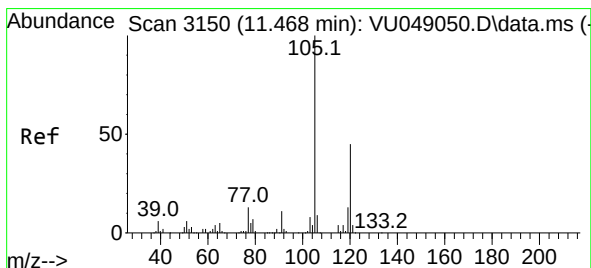
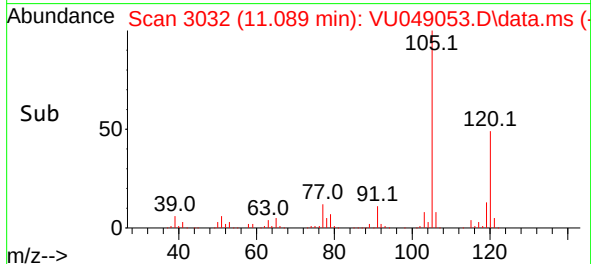
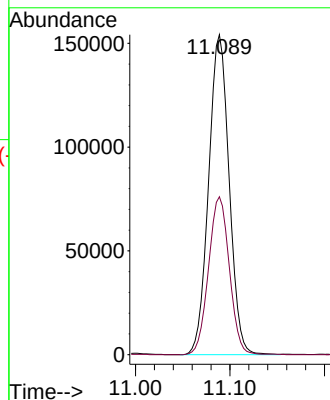
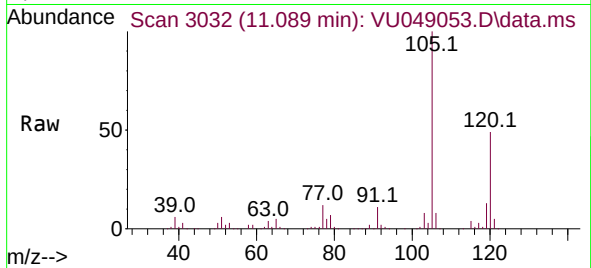




#62  
1,3,5-Trimethylbenzene  
Concen: 5.185 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

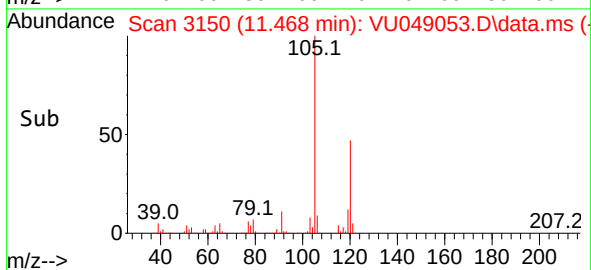
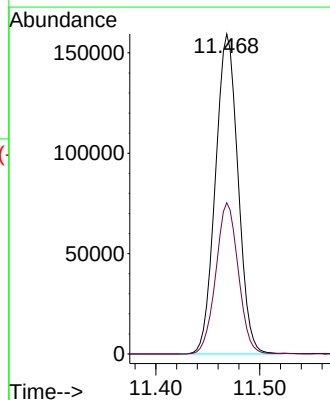
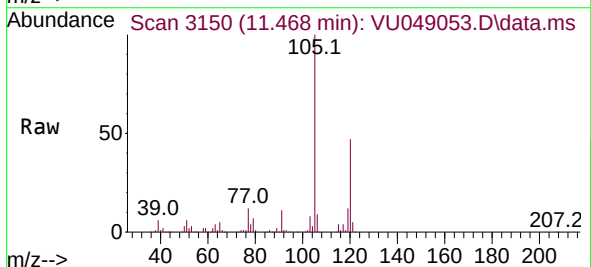
Instrument :  
MSVOA\_U  
ClientSampleId :

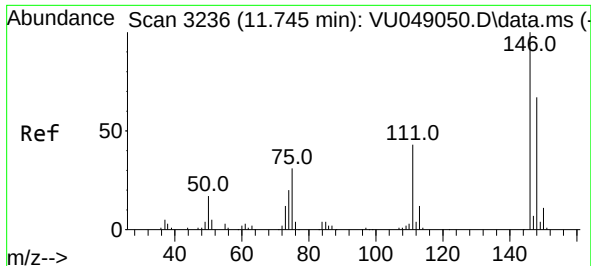
Tgt Ion:105 Resp: 232432  
Ion Ratio Lower Upper  
105 100  
120 50.0 39.4 59.0



#63  
1,2,4-Trimethylbenzene  
Concen: 5.391 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion:105 Resp: 241327  
Ion Ratio Lower Upper  
105 100  
120 46.9 36.7 55.1

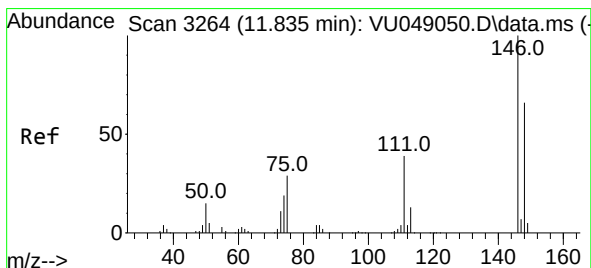
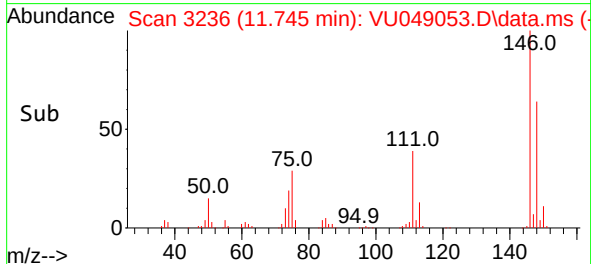
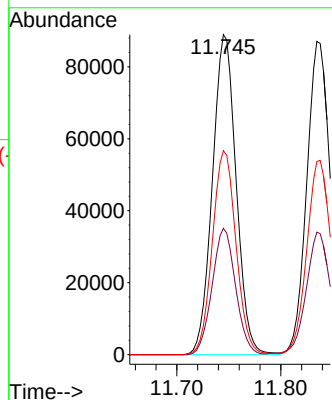
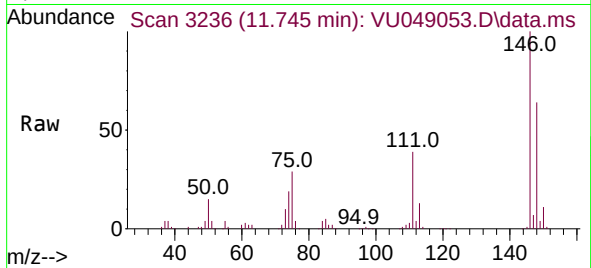




#64  
1,3-Dichlorobenzene  
Concen: 5.294 ug/L  
RT: 11.745 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

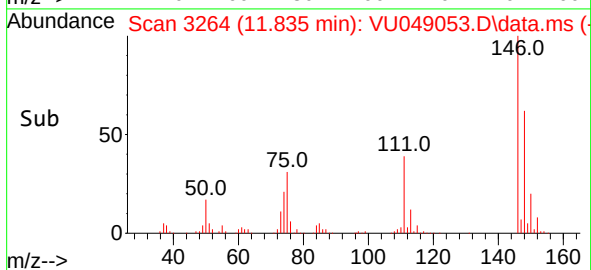
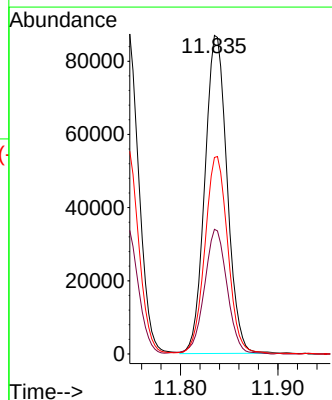
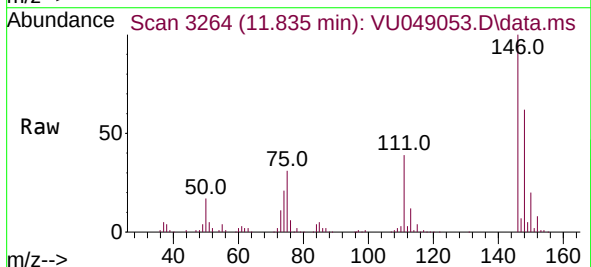
Instrument :  
MSVOA\_U  
ClientSampleId :

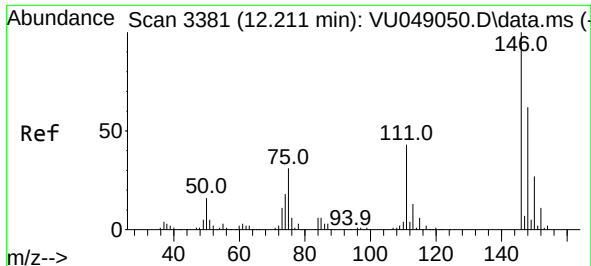
Tgt Ion:146 Resp: 141130  
Ion Ratio Lower Upper  
146 100  
111 39.5 29.8 55.4  
148 63.8 47.0 87.2



#65  
1,4-Dichlorobenzene  
Concen: 5.322 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

Tgt Ion:146 Resp: 137998  
Ion Ratio Lower Upper  
146 100  
111 39.1 27.2 50.6  
148 61.7 46.5 86.3





#67

1,2-Dichlorobenzene

Concen: 5.315 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049053.D

Acq: 11 Jun 2022 14:33

Instrument :

MSVOA\_U

ClientSampleId :

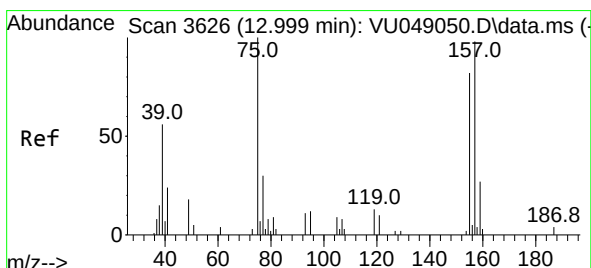
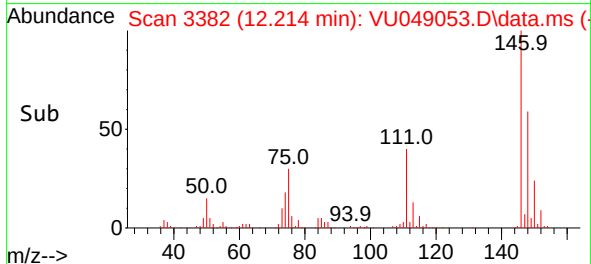
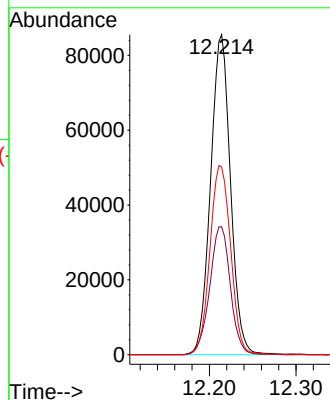
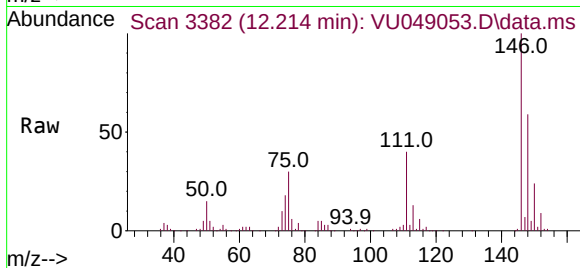
Tgt Ion:146 Resp: 136533

Ion Ratio Lower Upper

146 100

111 40.0 34.1 51.1

148 58.7 49.6 74.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.251 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU049053.D

Acq: 11 Jun 2022 14:33

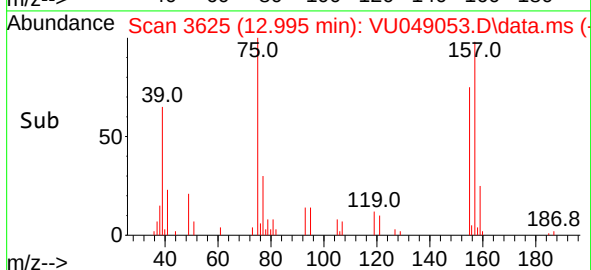
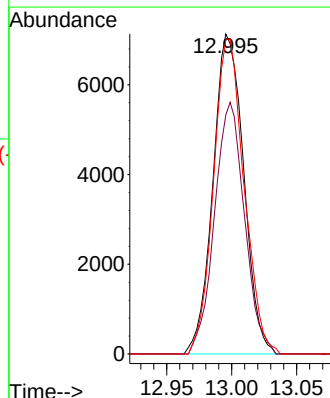
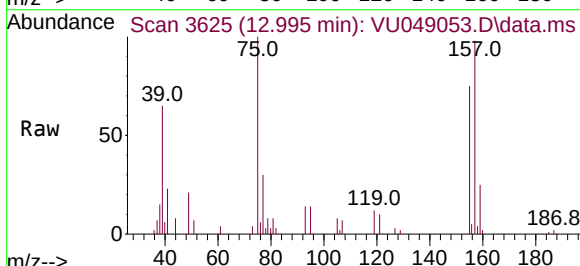
Tgt Ion: 75 Resp: 11702

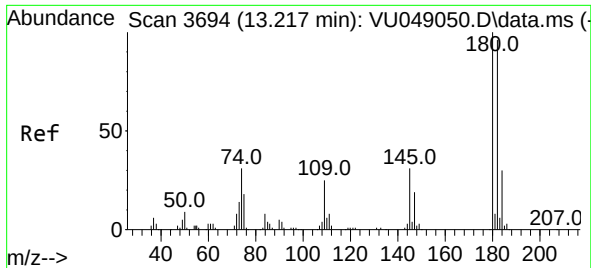
Ion Ratio Lower Upper

75 100

155 74.7 65.8 98.6

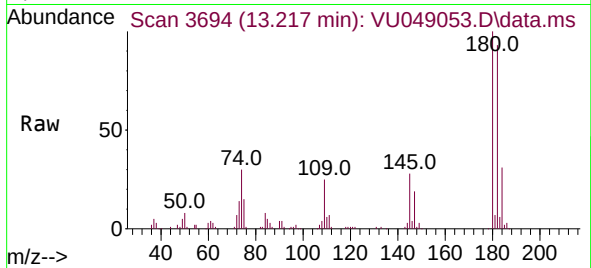
157 98.1 78.6 118.0



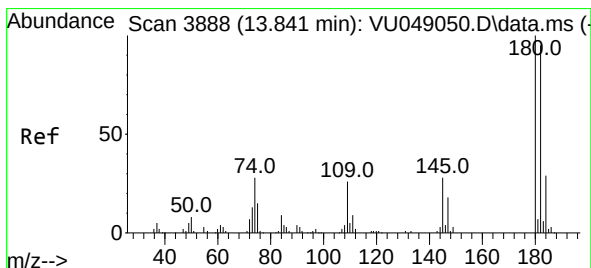
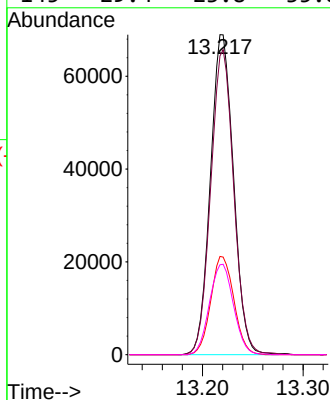
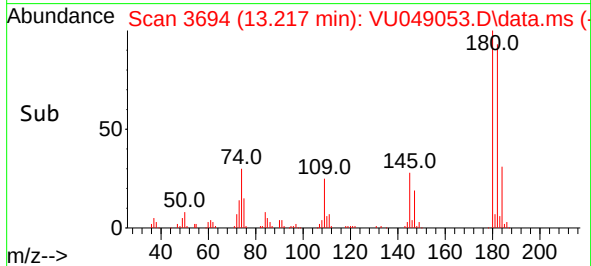


#69  
1,3,5-Trichlorobenzene  
Concen: 5.512 ug/L  
RT: 13.217 min Scan# 3694  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33

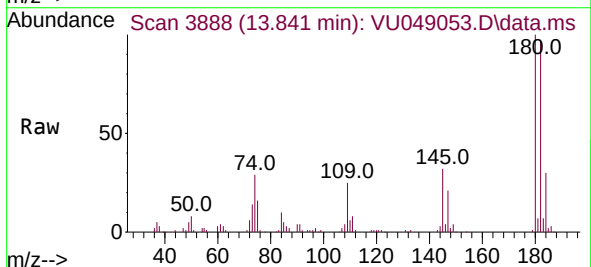
Instrument :  
MSVOA\_U  
ClientSampleId :



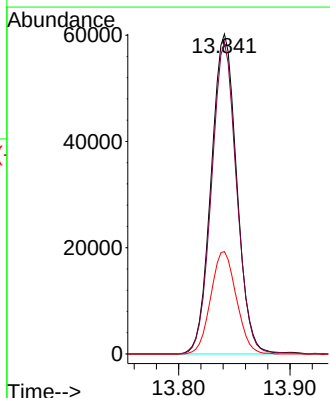
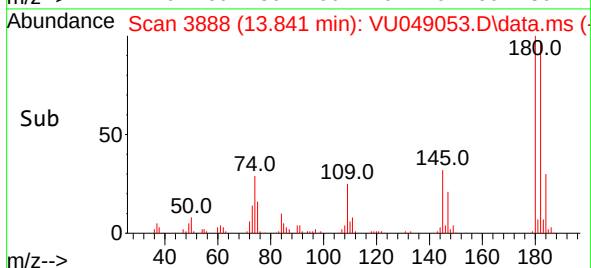
Tgt Ion:180 Resp: 109931  
Ion Ratio Lower Upper  
180 100  
182 95.1 77.1 115.7  
184 30.7 23.6 35.4  
145 29.4 23.8 35.8

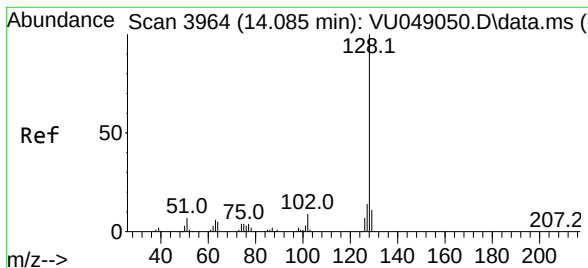


#70  
1,2,4-trichlorobenzene  
Concen: 6.095 ug/L  
RT: 13.841 min Scan# 3888  
Delta R.T. 0.000 min  
Lab File: VU049053.D  
Acq: 11 Jun 2022 14:33



Tgt Ion:180 Resp: 95925  
Ion Ratio Lower Upper  
180 100  
182 95.6 75.6 113.4  
145 32.1 23.1 34.7





#71

Naphthalene

Concen: 6.907 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU049053.D

Acq: 11 Jun 2022 14:33

Instrument :

MSVOA\_U

ClientSampleId :

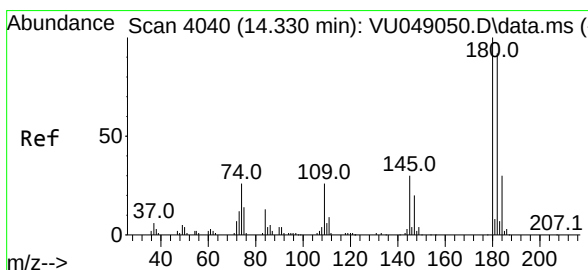
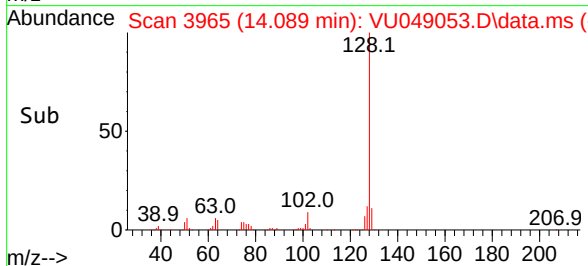
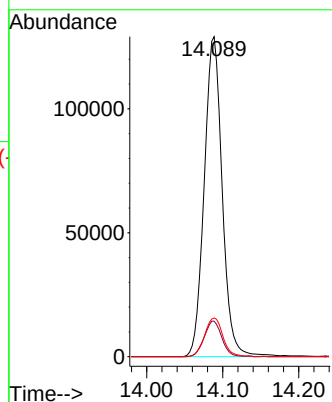
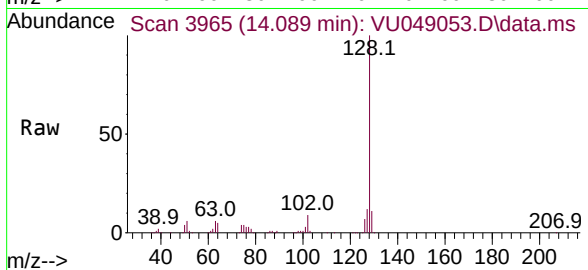
Tgt Ion:128 Resp: 212309

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

127 12.3 10.5 15.7



#72

1,2,3-Trichlorobenzene

Concen: 6.538 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU049053.D

Acq: 11 Jun 2022 14:33

Tgt Ion:180 Resp: 98061

Ion Ratio Lower Upper

180 100

182 95.2 74.6 112.0

145 32.6 24.4 36.6

