

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071822\  
 Data File : VU049775.D  
 Acq On : 18 Jul 2022 21:10  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 19 02:14:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 19 02:09:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247   | 114   | 189360   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 179464   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 89570    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 77804    | 48.697   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 97.400%  |
| 7) Chloroethane-d5            | 1.900   | 69    | 58276    | 50.460   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 100.920% |
| 11) 1,1-Dichloroethene-d2     | 2.562   | 63    | 131710   | 46.670   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.340%  |
| 21) 2-Butanone-d5             | 4.620   | 46    | 147603   | 108.220  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 108.220% |
| 24) Chloroform-d              | 5.064   | 84    | 143474   | 50.701   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.400% |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 98074    | 51.208   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.420% |
| 32) Benzene-d6                | 5.726   | 84    | 265476   | 48.693   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.380%  |
| 36) 1,2-Dichloropropane-d6    | 6.691   | 67    | 90852    | 49.542   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 99.080%  |
| 41) Toluene-d8                | 7.896   | 98    | 228745   | 48.178   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.360%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 36965    | 47.842   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.680%  |
| 47) 2-Hexanone-d5             | 8.633   | 63    | 81475    | 98.768   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 98.770%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755  | 84    | 133359   | 51.973   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 103.940% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 81894    | 48.493   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.980%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382   | 85    | 100949   | 44.474   | ug/L   | 99       |
| 3) Chloromethane              | 1.520   | 50    | 122827   | 49.305   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.601   | 62    | 100040   | 44.440   | ug/L   | 99       |
| 6) Bromomethane               | 1.839   | 94    | 53734    | 51.663   | ug/L   | 99       |
| 8) Chloroethane               | 1.922   | 64    | 58203    | 46.674   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.131   | 101   | 128820   | 46.338   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575   | 101   | 63744    | 43.697   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.575   | 96    | 62621    | 46.253   | ug/L   | 94       |
| 13) Acetone                   | 2.623   | 43    | 112165   | 86.534   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.787   | 76    | 178082   | 39.006   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.945   | 43    | 121027   | 57.472   | ug/L   | 99       |
| 16) Methylene chloride        | 3.041   | 84    | 88997    | 52.201   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 3.350   | 96    | 69617    | 47.005   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 3.363   | 73    | 268312   | 52.891   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.867   | 63    | 156908   | 50.888   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96    | 85052    | 51.097   | ug/L   | 95       |
| 22) 2-Butanone                | 4.700   | 43    | 185251   | 106.747  | ug/L   | 98       |
| 23) Bromochloromethane        | 4.974   | 128   | 43197    | 52.011   | ug/L   | 97       |
| 25) Chloroform                | 5.086   | 83    | 163719   | 52.951   | ug/L   | 99       |

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 Data File : VU049775.D  
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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

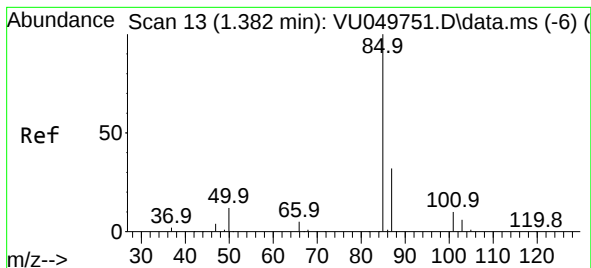
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 19 02:09:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 137416   | 52.195  | ug/L  | 99       |
| 29) Cyclohexane               | 5.385  | 56   | 120102   | 42.875  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.314  | 97   | 131315   | 50.542  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 104426   | 49.142  | ug/L  | 100      |
| 33) Benzene                   | 5.771  | 78   | 341500   | 50.624  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 78566    | 48.182  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.761  | 83   | 110622   | 43.172  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 96920    | 51.835  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 117246   | 50.576  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 125890   | 49.923  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 342552   | 113.169 | ug/L  | 99       |
| 42) Toluene                   | 7.967  | 91   | 339294   | 50.608  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 120354   | 50.831  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 88314    | 54.113  | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.552  | 164  | 52721    | 46.617  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.684  | 43   | 274737   | 113.581 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 86955    | 52.974  | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 90219    | 55.650  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.446  | 112  | 204360   | 50.334  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.568  | 91   | 347520   | 49.120  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.694  | 106  | 129582   | 50.371  | ug/L  | 99       |
| 54) o-Xylene                  | 10.099 | 106  | 131499   | 50.765  | ug/L  | 96       |
| 55) Styrene                   | 10.115 | 104  | 225638   | 52.782  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 159577   | 54.623  | ug/L  | 99       |
| 59) Bromoform                 | 10.288 | 173  | 62562    | 52.076  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 130256   | 54.597  | ug/L  | 100      |
| 61) Isopropylbenzene          | 10.485 | 105  | 329343   | 49.243  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 285653   | 50.635  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 279355   | 49.845  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 145185   | 49.728  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 143158   | 48.813  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 155064   | 51.077  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 38300    | 54.787  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.218 | 180  | 99379    | 48.576  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 89314    | 47.573  | ug/L  | 98       |
| 71) Naphthalene               | 14.086 | 128  | 339361   | 50.564  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 98058    | 50.422  | ug/L  | 98       |

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

Quant Time: Jul 19 02:14:44 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 19 02:09:49 2022  
Response via : Initial Calibration

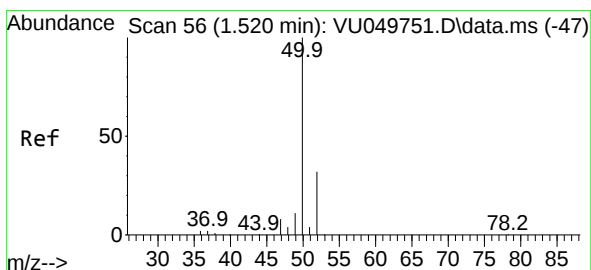
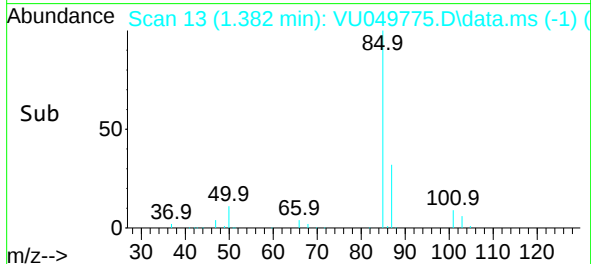
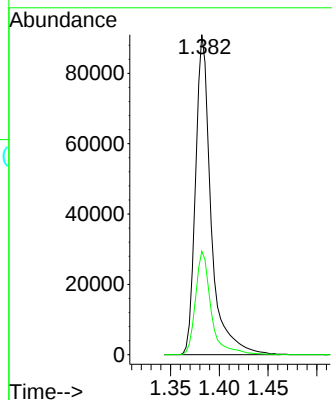
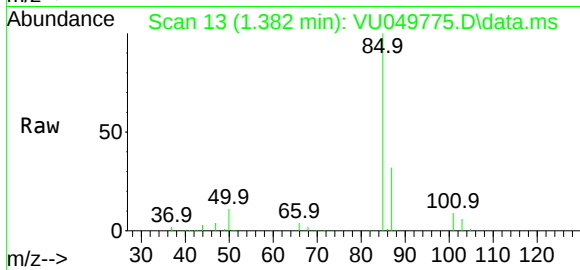




#2  
Dichlorodifluoromethane  
Concen: 44.474 ug/L  
RT: 1.382 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

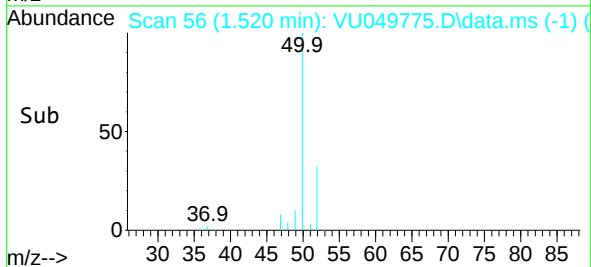
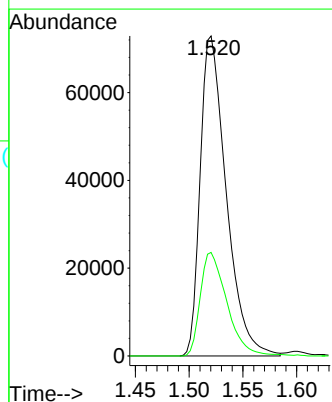
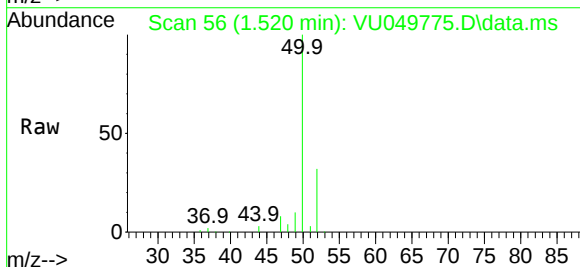
Instrument :  
MSVOA\_U  
ClientSampleId :

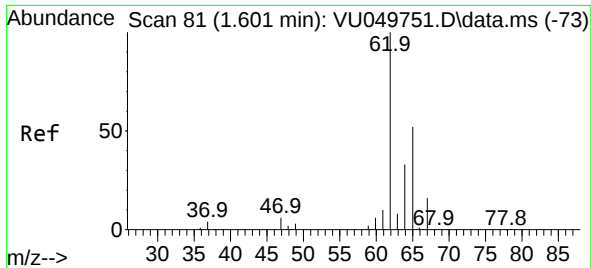
Tgt Ion: 85 Resp: 100949  
Ion Ratio Lower Upper  
85 100  
87 32.4 26.3 39.5



#3  
Chloromethane  
Concen: 49.305 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

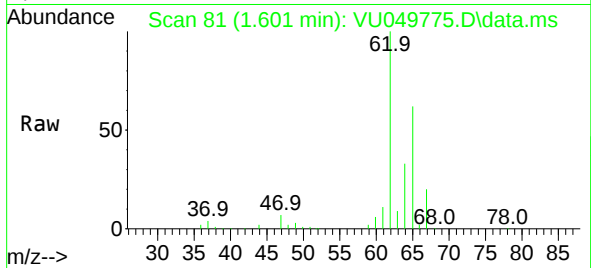
Tgt Ion: 50 Resp: 122827  
Ion Ratio Lower Upper  
50 100  
52 32.4 23.2 43.0



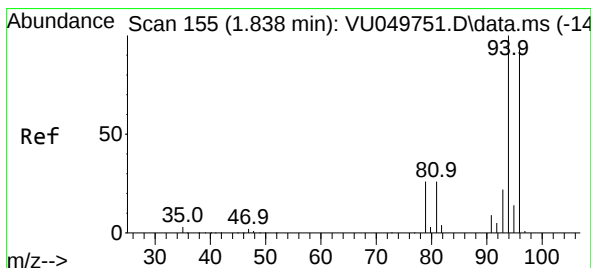
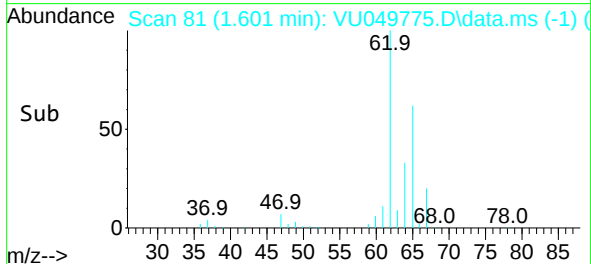
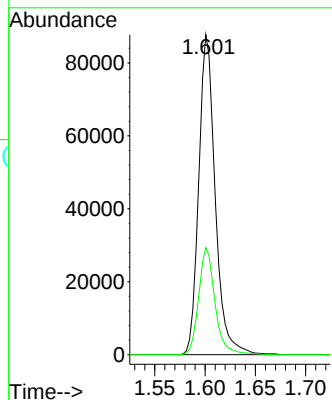


#5  
 Vinyl chloride  
 Concen: 44.440 ug/L  
 RT: 1.601 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VU049775.D  
 Acq: 18 Jul 2022 21:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :

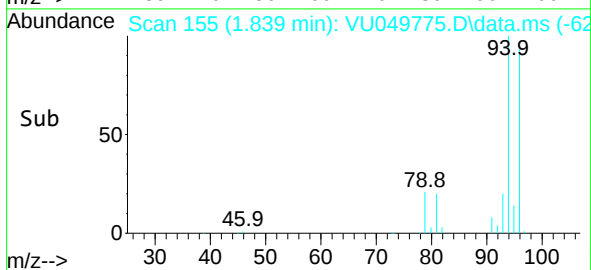
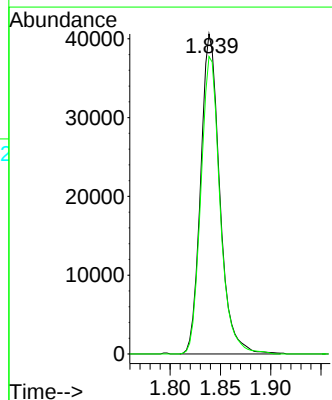
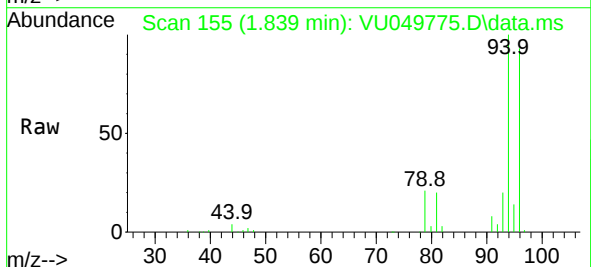


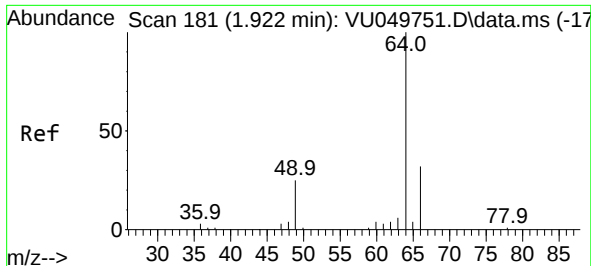
Tgt Ion: 62 Resp: 100040  
 Ion Ratio Lower Upper  
 62 100  
 64 33.5 23.0 42.6



#6  
 Bromomethane  
 Concen: 51.663 ug/L  
 RT: 1.839 min Scan# 155  
 Delta R.T. 0.000 min  
 Lab File: VU049775.D  
 Acq: 18 Jul 2022 21:10

Tgt Ion: 94 Resp: 53734  
 Ion Ratio Lower Upper  
 94 100  
 96 93.0 66.1 122.7

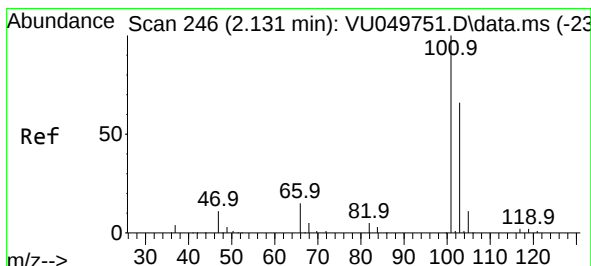
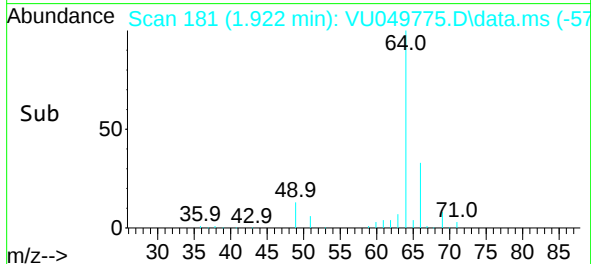
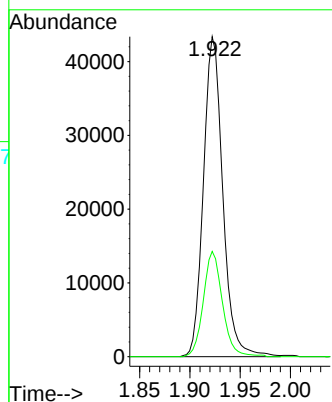
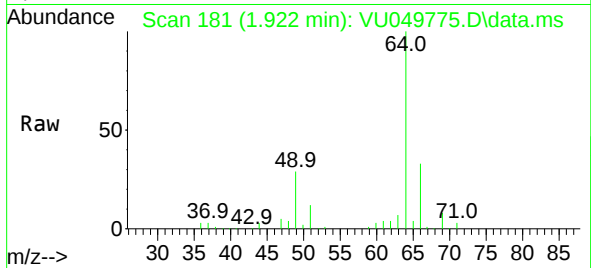




#8  
Chloroethane  
Concen: 46.674 ug/L  
RT: 1.922 min Scan# 181  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

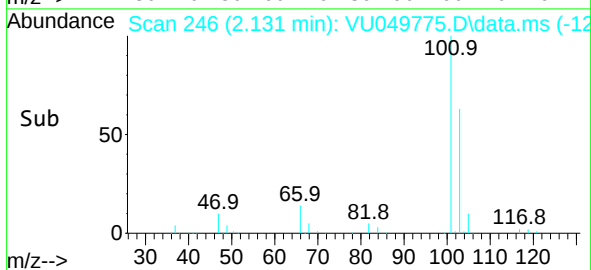
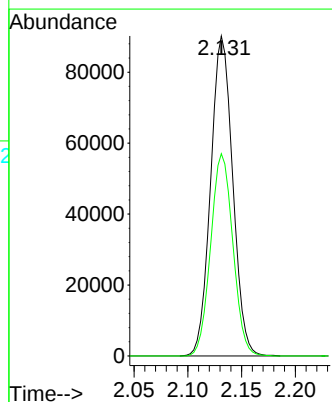
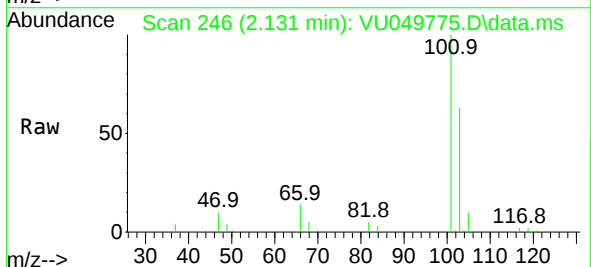
Instrument :  
MSVOA\_U  
ClientSampleId :

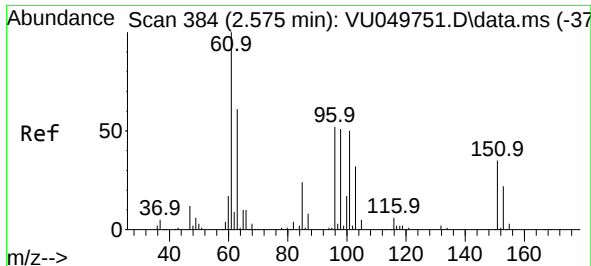
Tgt Ion: 64 Resp: 58203  
Ion Ratio Lower Upper  
64 100  
66 32.9 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 46.338 ug/L  
RT: 2.131 min Scan# 246  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Tgt Ion:101 Resp: 128820  
Ion Ratio Lower Upper  
101 100  
103 63.5 52.2 78.4





#10

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

Concen: 43.697 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

Instrument :

MSVOA\_U

ClientSampleId :

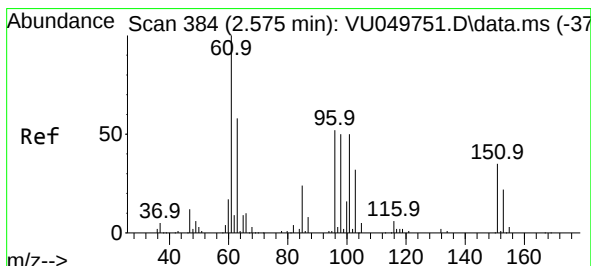
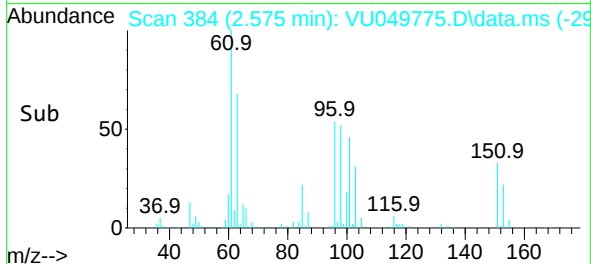
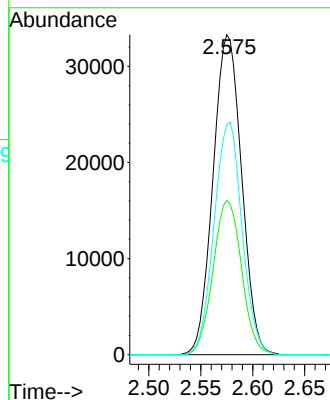
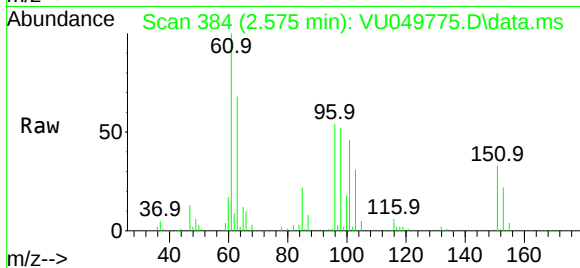
Tgt Ion:101 Resp: 63744

Ion Ratio Lower Upper

101 100

85 48.0 37.3 55.9

151 71.4 56.9 85.3



#12

1,1-Dichloroethene

Concen: 46.253 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

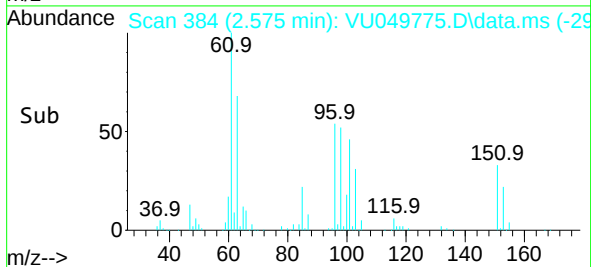
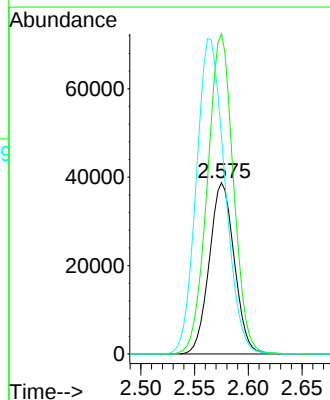
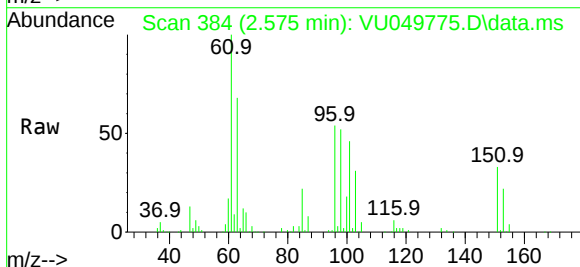
Tgt Ion: 96 Resp: 62621

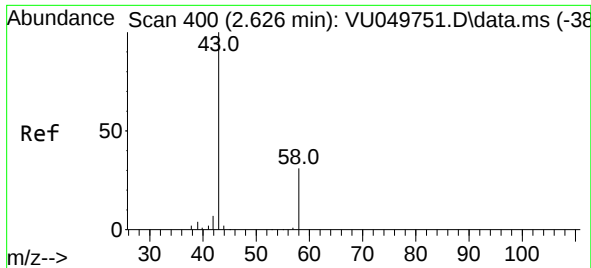
Ion Ratio Lower Upper

96 100

61 186.8 129.6 240.6

63 127.0 79.0 146.6





#13

Acetone

Concen: 86.534 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

Instrument :

MSVOA\_U

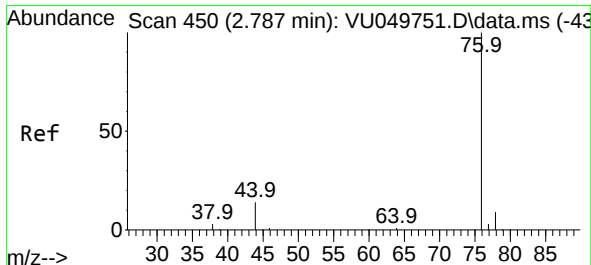
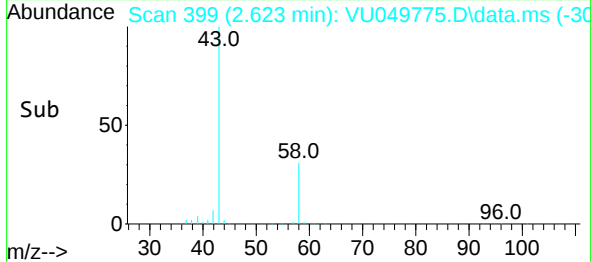
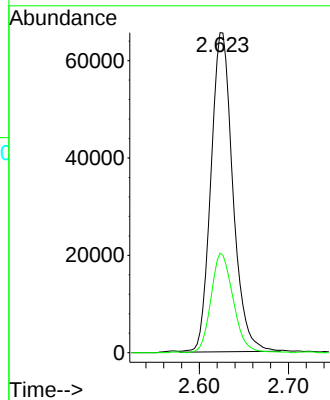
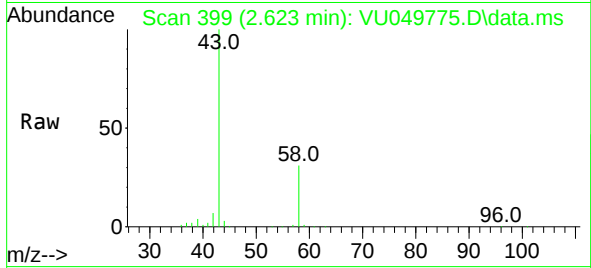
ClientSampleId :

Tgt Ion: 43 Resp: 112165

Ion Ratio Lower Upper

43 100

58 31.4 0.0 61.4



#14

Carbon disulfide

Concen: 39.006 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.000 min

Lab File: VU049775.D

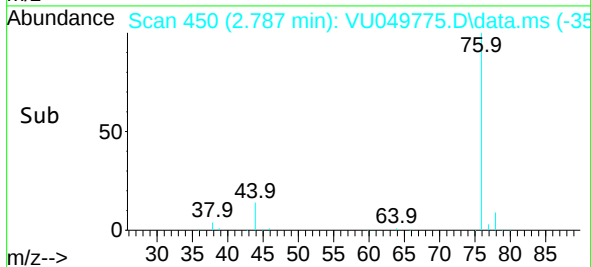
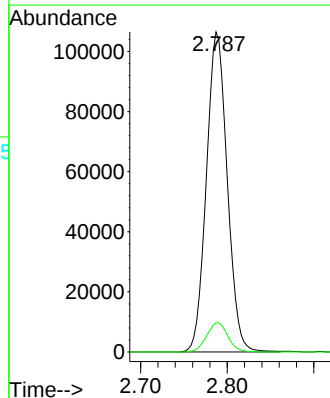
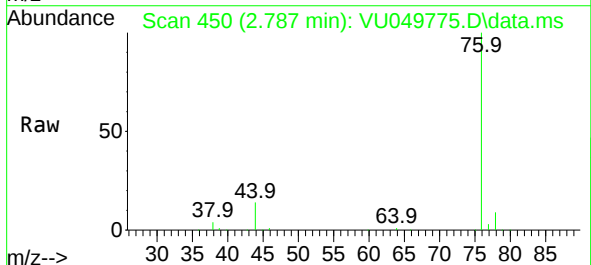
Acq: 18 Jul 2022 21:10

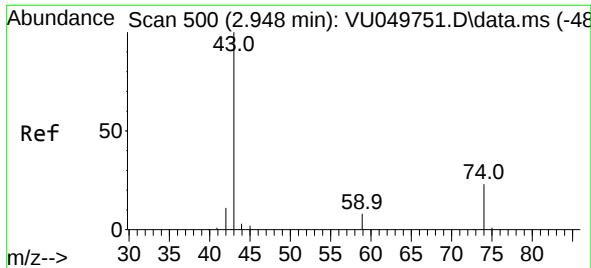
Tgt Ion: 76 Resp: 178082

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

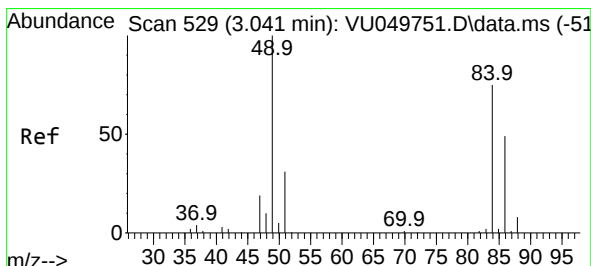
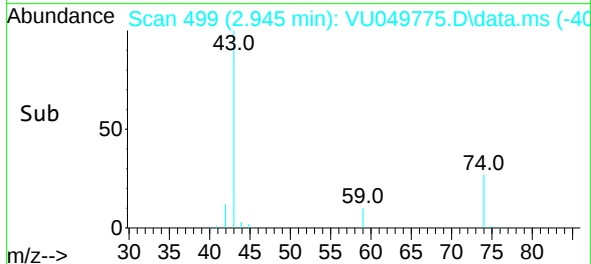
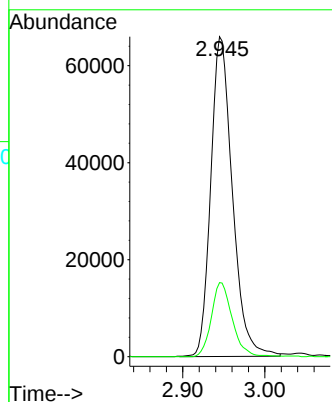
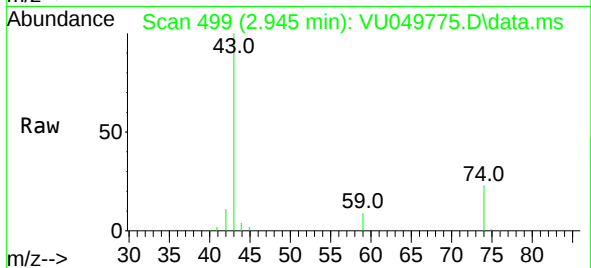




#15  
Methyl Acetate  
Concen: 57.472 ug/L  
RT: 2.945 min Scan# 499  
Delta R.T. -0.003 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

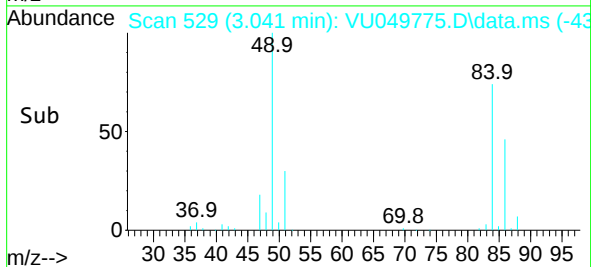
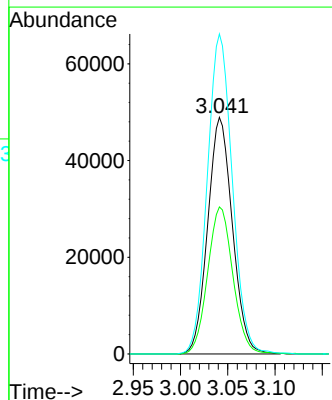
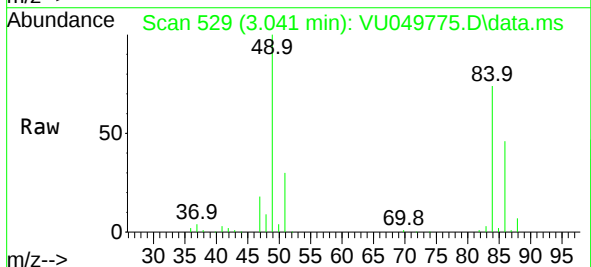
Instrument :  
MSVOA\_U  
ClientSampleId :

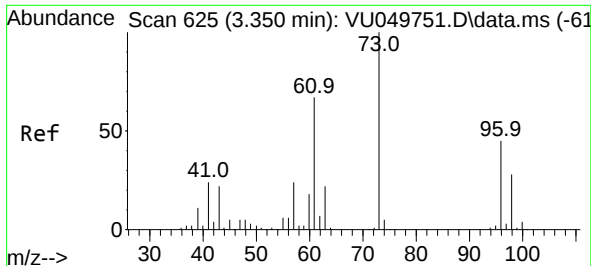
Tgt Ion: 43 Resp: 121027  
Ion Ratio Lower Upper  
43 100  
74 22.2 17.4 26.0



#16  
Methylene chloride  
Concen: 52.201 ug/L  
RT: 3.041 min Scan# 529  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Tgt Ion: 84 Resp: 88997  
Ion Ratio Lower Upper  
84 100  
86 62.1 45.6 84.6  
49 135.2 94.4 175.4

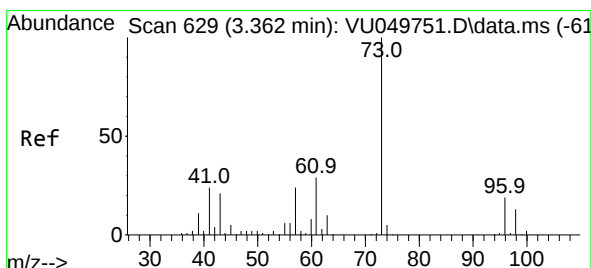
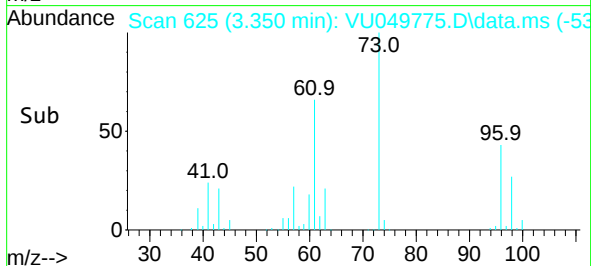
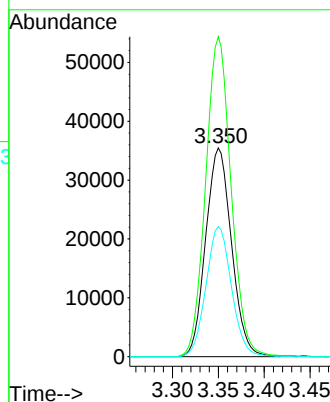
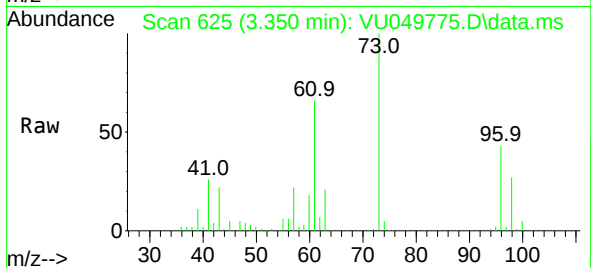




#17  
trans-1,2-Dichloroethene  
Concen: 47.005 ug/L  
RT: 3.350 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

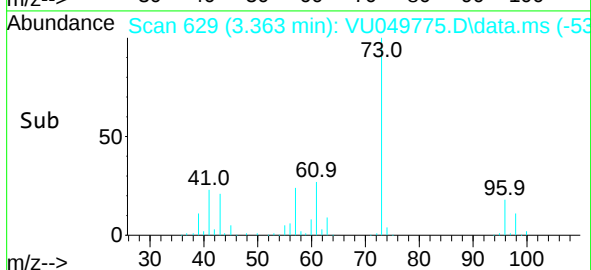
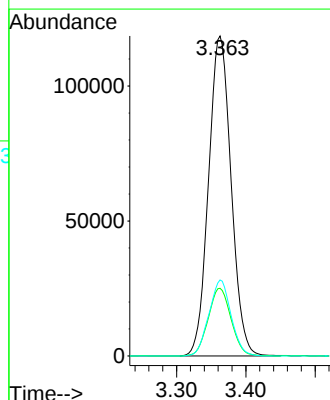
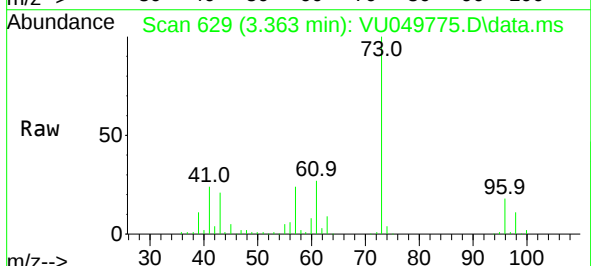
Instrument :  
MSVOA\_U  
ClientSampleId :

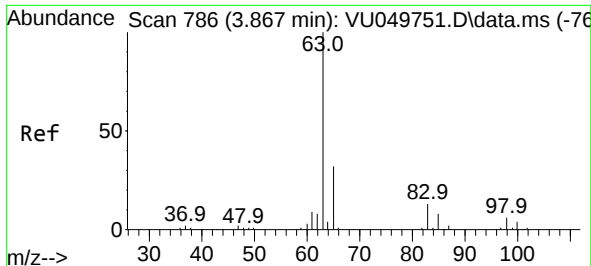
Tgt Ion: 96 Resp: 69617  
Ion Ratio Lower Upper  
96 100  
61 153.3 107.6 199.8  
98 62.3 44.6 82.8



#18  
Methyl tert-butyl Ether  
Concen: 52.891 ug/L  
RT: 3.363 min Scan# 629  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Tgt Ion: 73 Resp: 268312  
Ion Ratio Lower Upper  
73 100  
43 21.5 17.0 25.4  
57 23.2 18.5 27.7

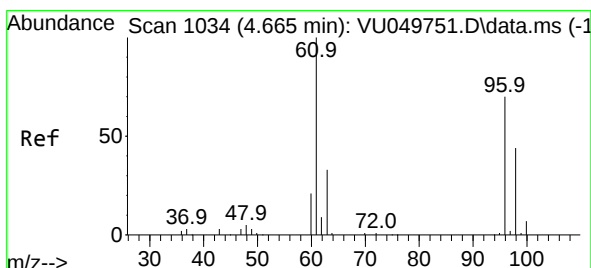
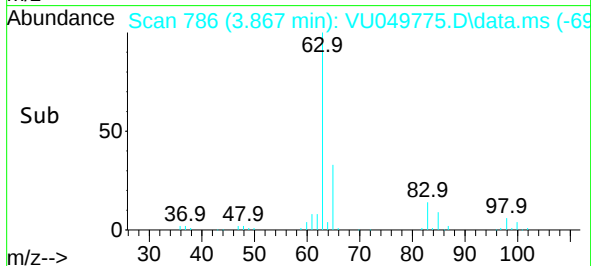
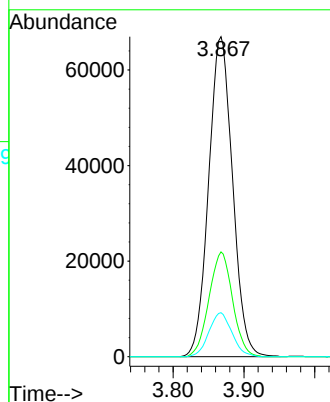
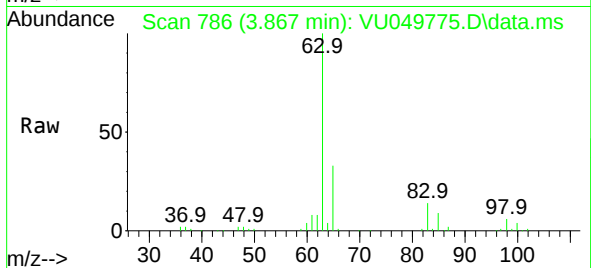




#19  
1,1-Dichloroethane  
Concen: 50.888 ug/L  
RT: 3.867 min Scan# 786  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

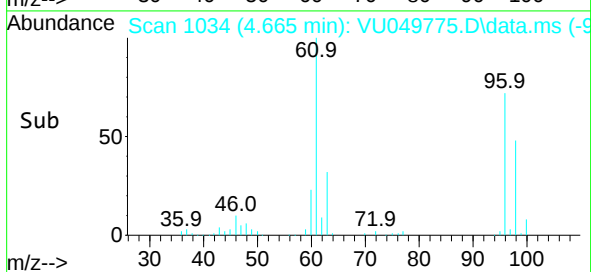
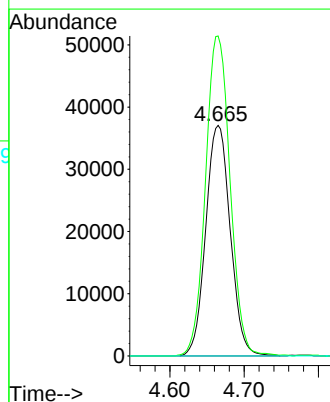
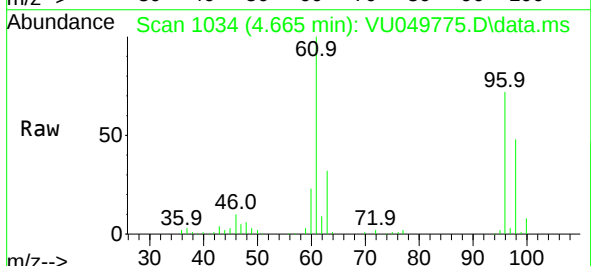
Instrument :  
MSVOA\_U  
ClientSampleId :

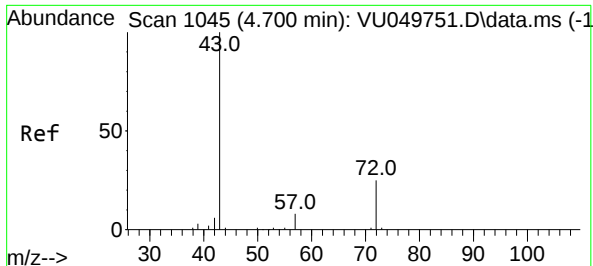
Tgt Ion: 63 Resp: 156908  
Ion Ratio Lower Upper  
63 100  
65 32.7 22.6 42.0  
83 13.7 9.2 17.2



#20  
cis-1,2-Dichloroethene  
Concen: 51.097 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Tgt Ion: 96 Resp: 85052  
Ion Ratio Lower Upper  
96 100  
61 138.8 101.1 187.7  
68 0.0 0.0 0.0

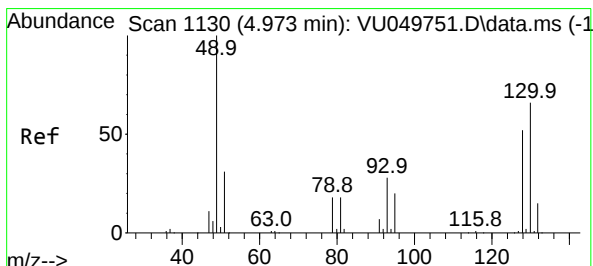
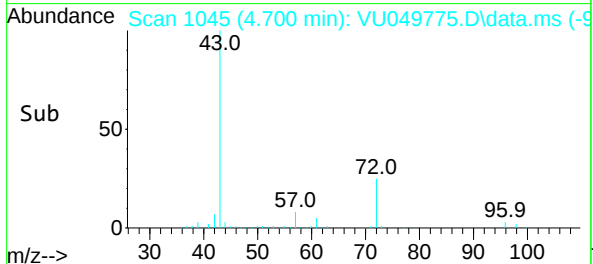
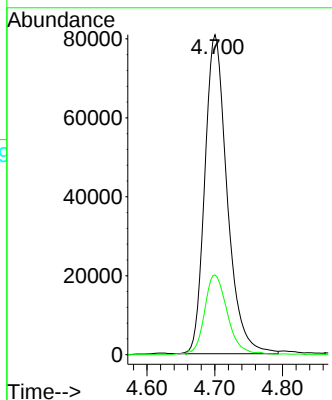
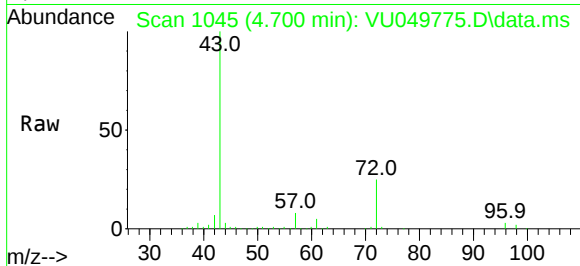




#22  
2-Butanone  
Concen: 106.747 ug/L  
RT: 4.700 min Scan# 1045  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

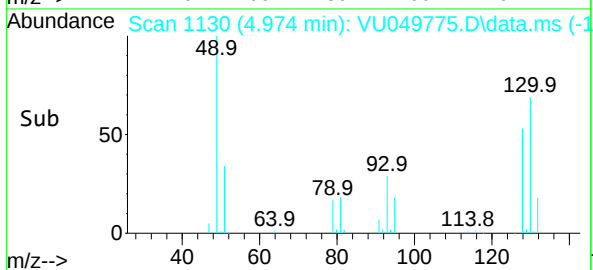
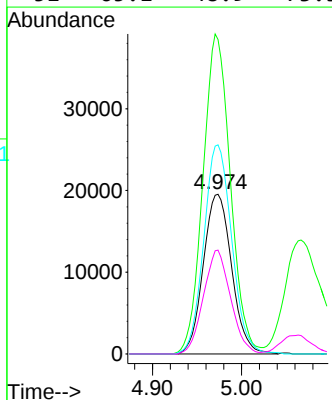
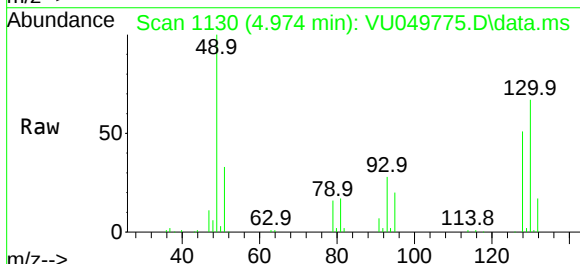
Instrument :  
MSVOA\_U  
ClientSampleId :

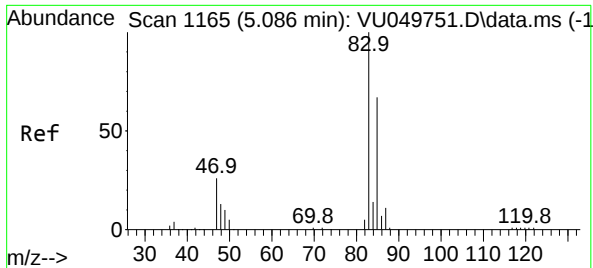
Tgt Ion: 43 Resp: 185251  
Ion Ratio Lower Upper  
43 100  
72 24.1 12.7 38.0



#23  
Bromochloromethane  
Concen: 52.011 ug/L  
RT: 4.974 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Tgt Ion:128 Resp: 43197  
Ion Ratio Lower Upper  
128 100  
49 196.9 140.9 261.7  
130 131.0 90.0 167.2  
51 65.1 48.9 73.3

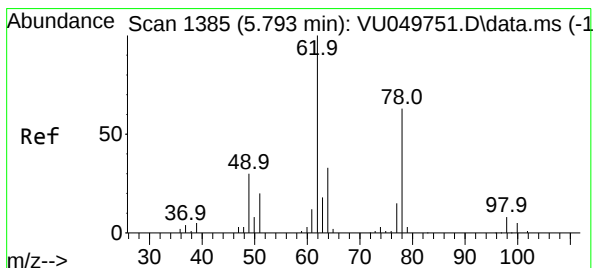
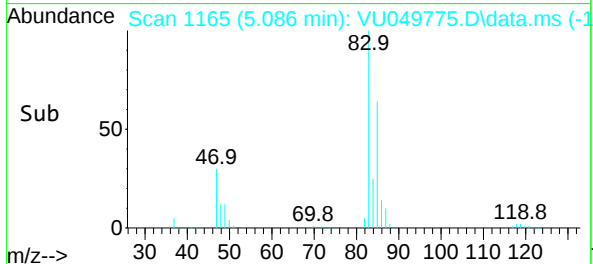
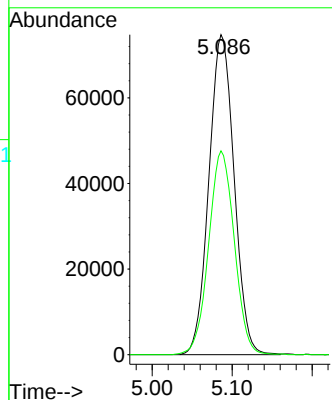
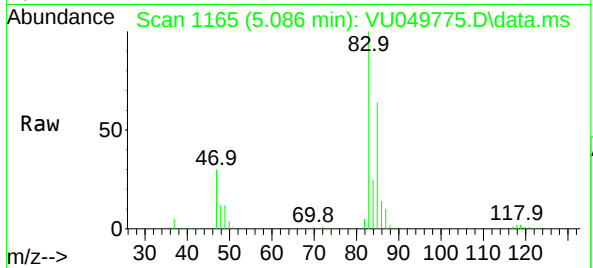




#25  
Chloroform  
Concen: 52.951 ug/L  
RT: 5.086 min Scan# 1165  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

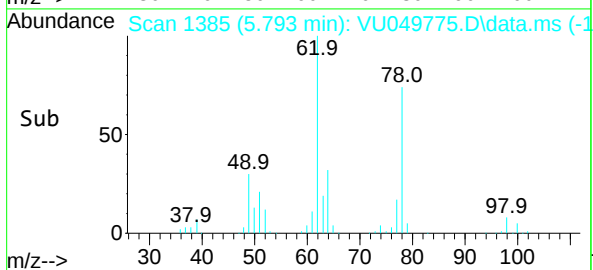
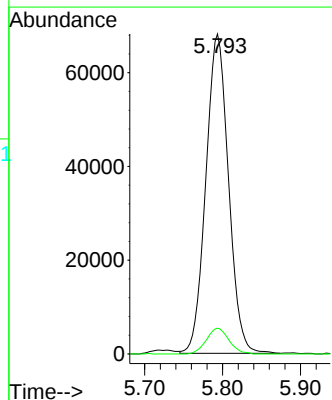
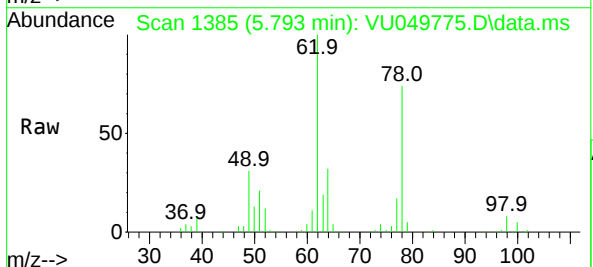
Instrument :  
MSVOA\_U  
ClientSampleId :

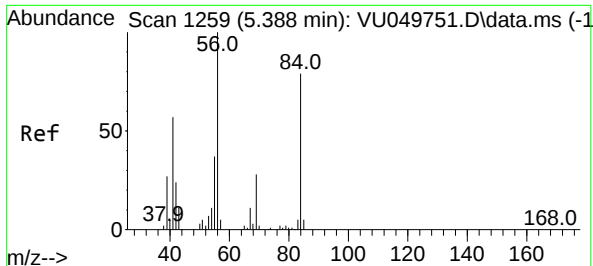
Tgt Ion: 83 Resp: 163719  
Ion Ratio Lower Upper  
83 100  
85 63.7 45.2 84.0



#27  
1,2-Dichloroethane  
Concen: 52.195 ug/L  
RT: 5.793 min Scan# 1385  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Tgt Ion: 62 Resp: 137416  
Ion Ratio Lower Upper  
62 100  
98 8.1 6.7 10.1





#29

Cyclohexane

Concen: 42.875 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

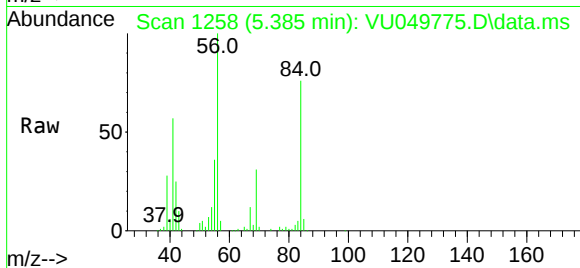
Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

Instrument :

MSVOA\_U

ClientSampleId :



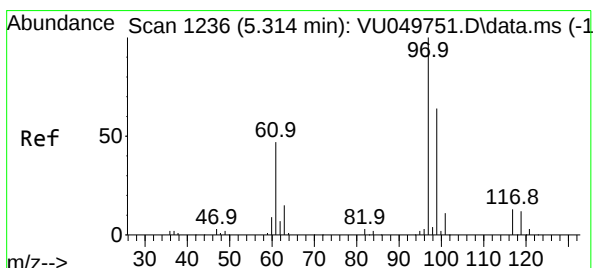
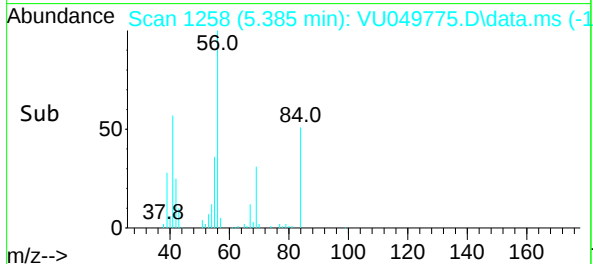
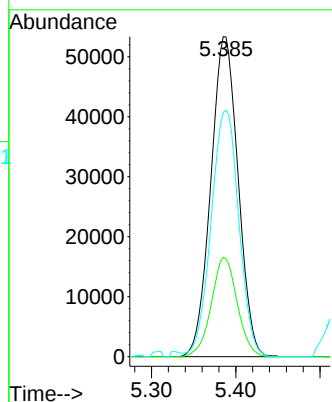
Tgt Ion: 56 Resp: 120102

Ion Ratio Lower Upper

56 100

69 29.4 23.4 35.2

84 78.2 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 50.542 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

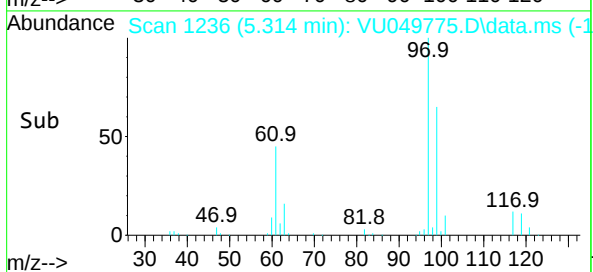
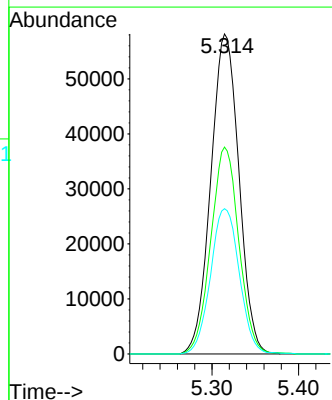
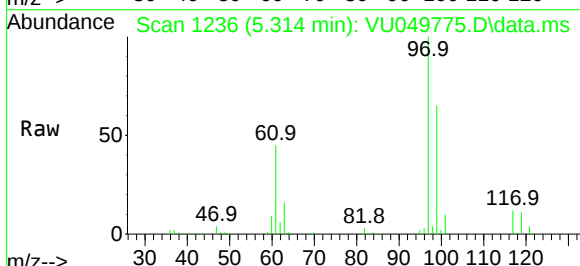
Tgt Ion: 97 Resp: 131315

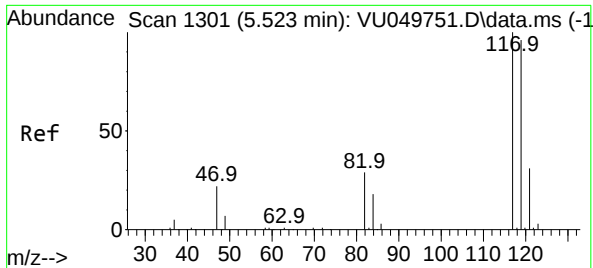
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 46.4 38.2 57.2

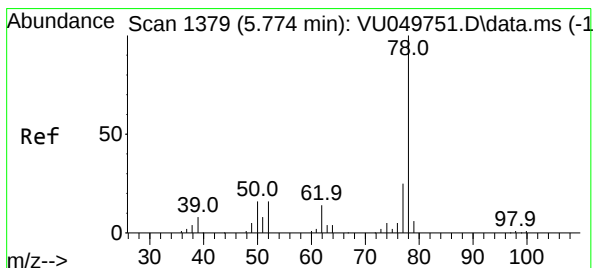
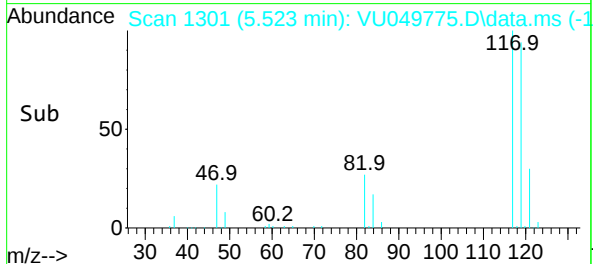
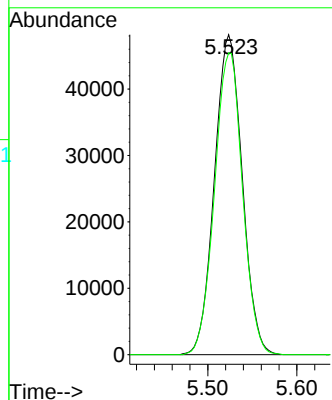
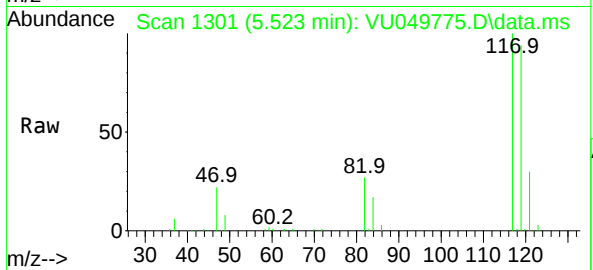




#31  
Carbon tetrachloride  
Concen: 49.142 ug/L  
RT: 5.523 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

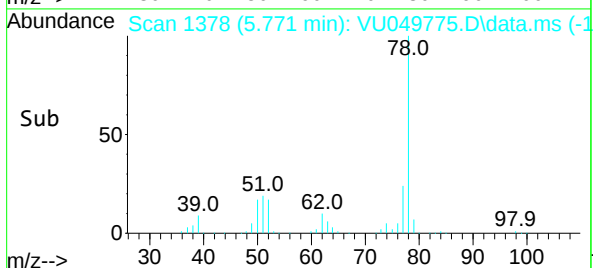
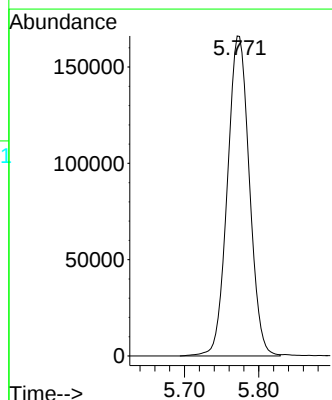
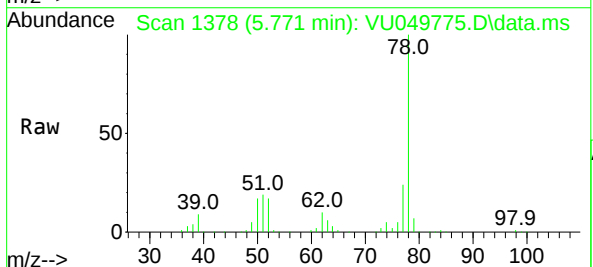
Instrument :  
MSVOA\_U  
ClientSampleId :

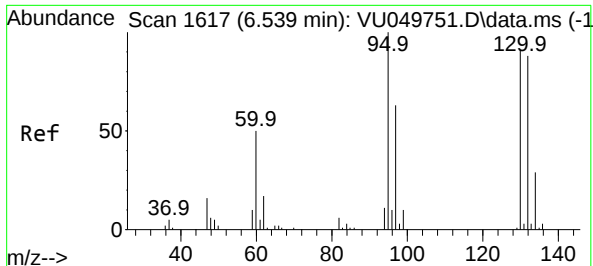
Tgt Ion:117 Resp: 104426  
Ion Ratio Lower Upper  
117 100  
119 95.2 75.8 113.8



#33  
Benzene  
Concen: 50.624 ug/L  
RT: 5.771 min Scan# 1378  
Delta R.T. -0.003 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

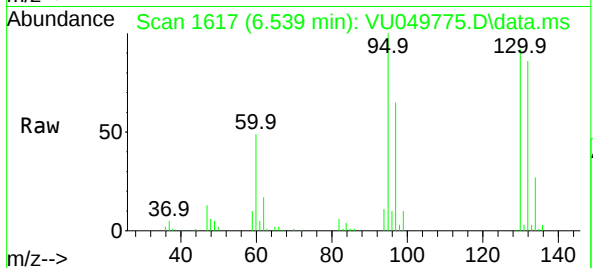
Tgt Ion: 78 Resp: 341500



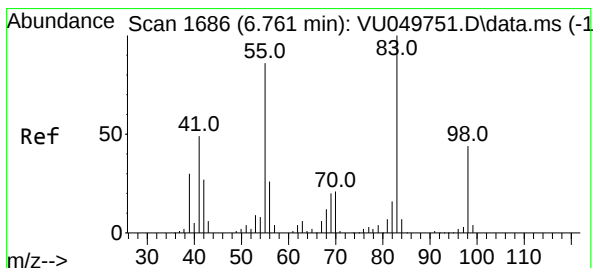
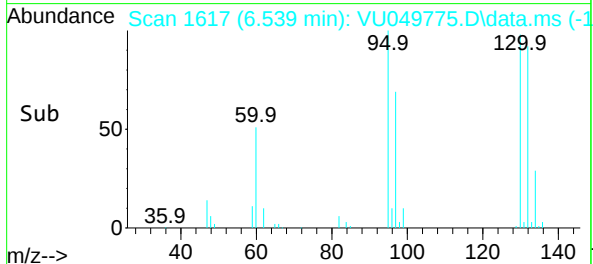
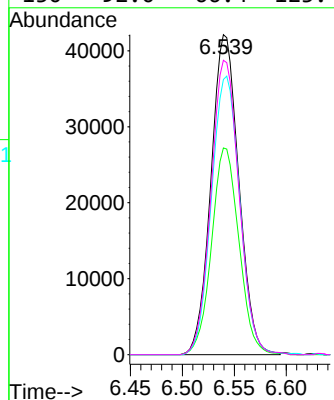


#34  
Trichloroethene  
Concen: 48.182 ug/L  
RT: 6.539 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Instrument :  
MSVOA\_U  
ClientSampleId :

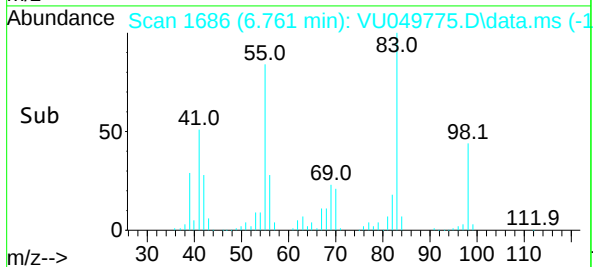
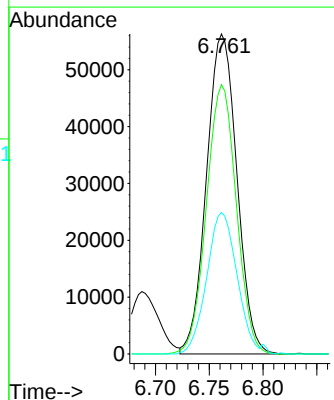
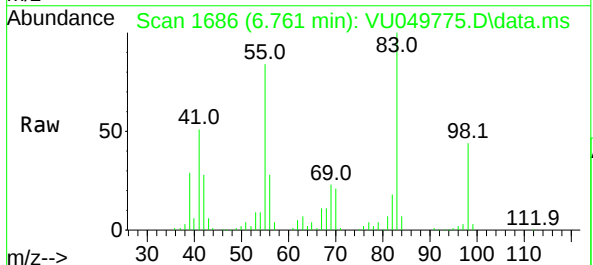


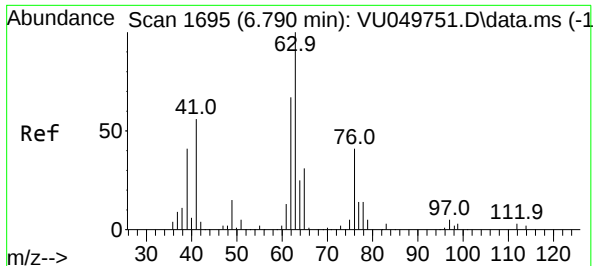
| Tgt Ion: | 95    | Resp: | 78566 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 64.6  | 46.9  | 87.1  |
| 132      | 86.0  | 62.7  | 116.5 |
| 130      | 92.0  | 66.4  | 123.4 |



#35  
Methylcyclohexane  
Concen: 43.172 ug/L  
RT: 6.761 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

| Tgt Ion: | 83    | Resp: | 110622 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 55       | 83.0  | 66.0  | 99.0   |
| 98       | 43.9  | 34.6  | 51.8   |





#37

1,2-Dichloropropane

Concen: 51.835 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

Instrument :

MSVOA\_U

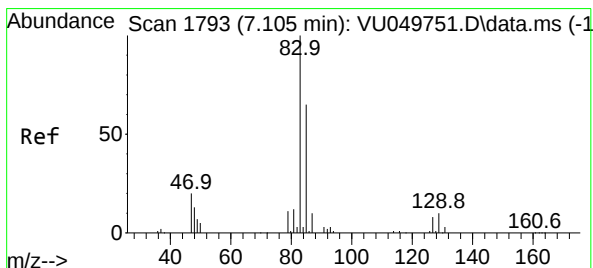
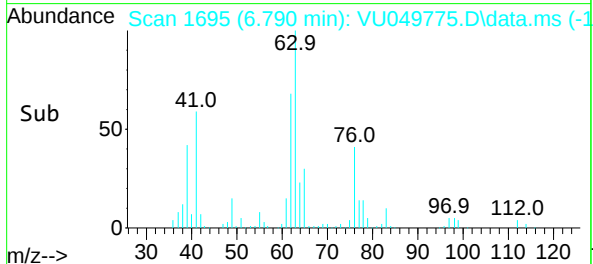
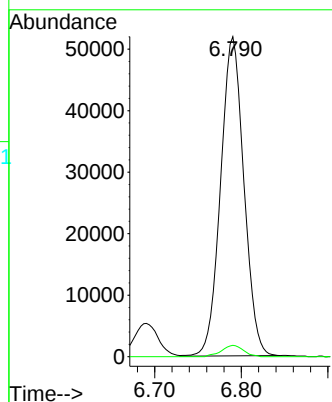
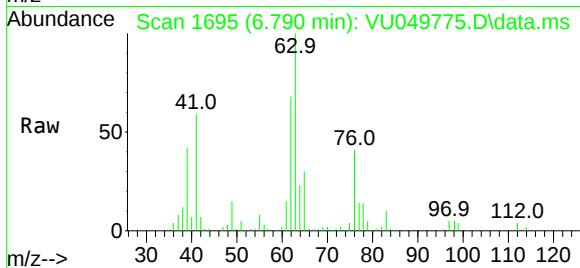
ClientSampleId :

Tgt Ion: 63 Resp: 96920

Ion Ratio Lower Upper

63 100

112 3.4 2.8 4.2



#38

Bromodichloromethane

Concen: 50.576 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

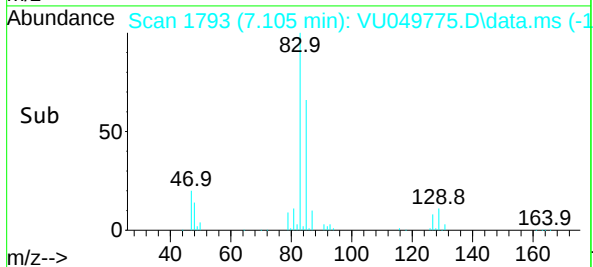
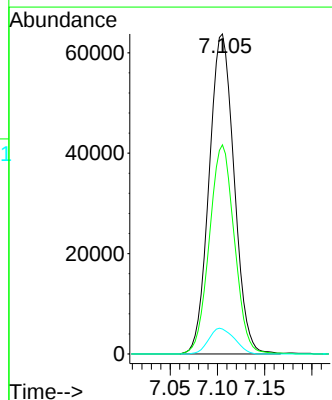
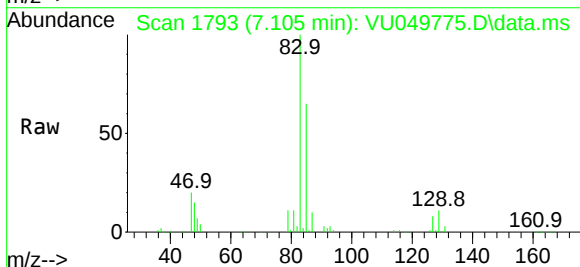
Tgt Ion: 83 Resp: 117246

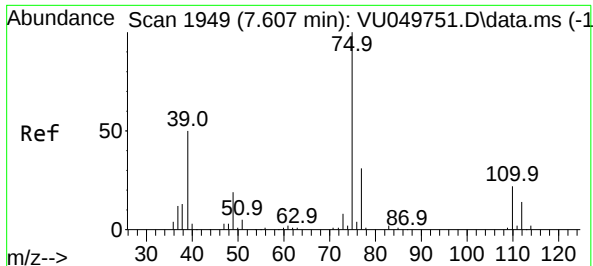
Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.2

127 7.8 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 49.923 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

Instrument :

MSVOA\_U

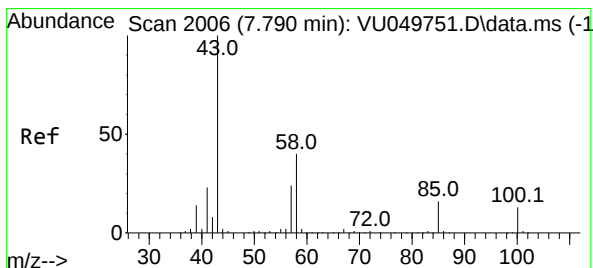
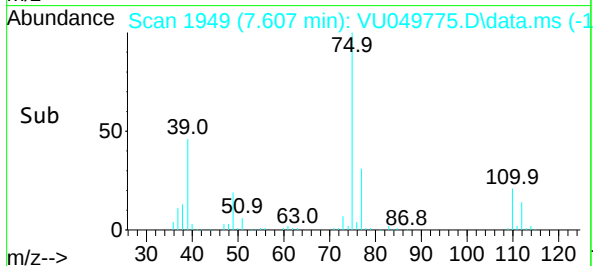
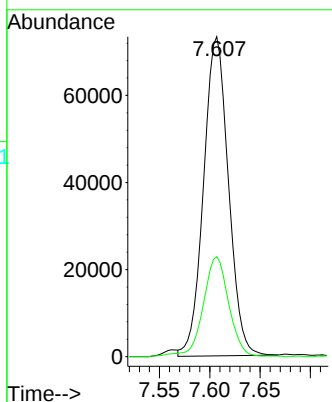
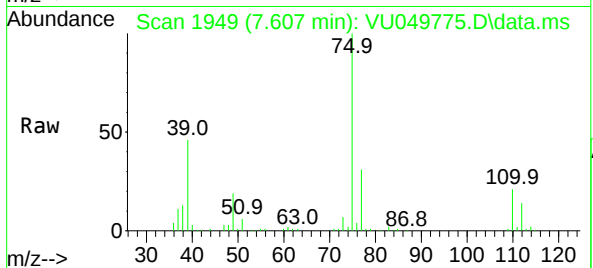
ClientSampleId :

Tgt Ion: 75 Resp: 125890

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 113.169 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

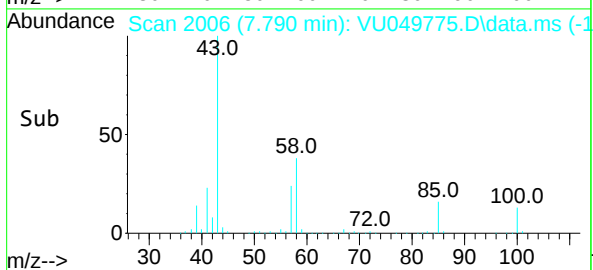
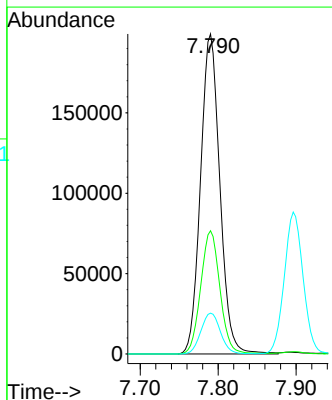
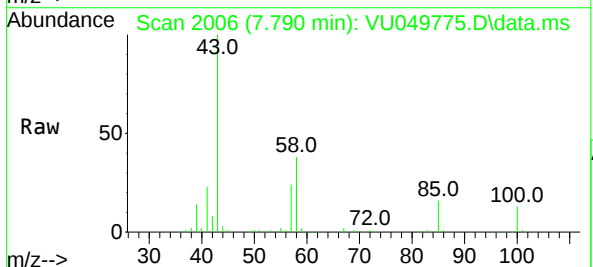
Tgt Ion: 43 Resp: 342552

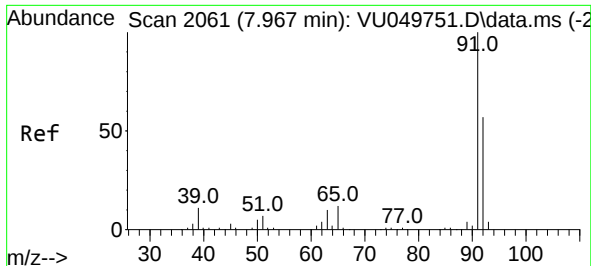
Ion Ratio Lower Upper

43 100

58 38.3 31.4 47.0

100 12.9 10.3 15.5





#42

Toluene

Concen: 50.608 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

Instrument :

MSVOA\_U

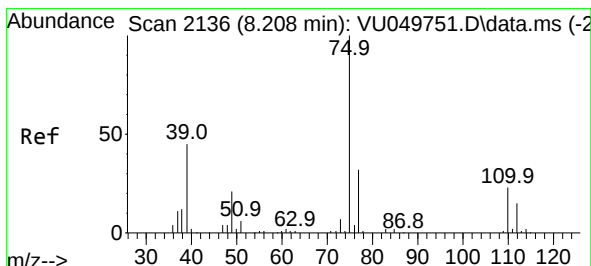
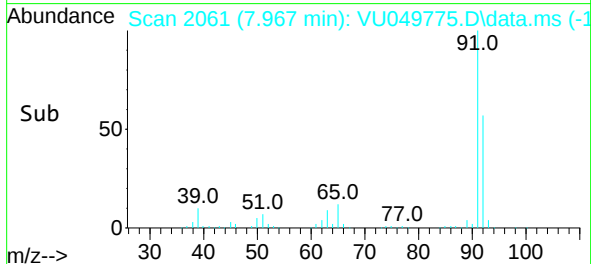
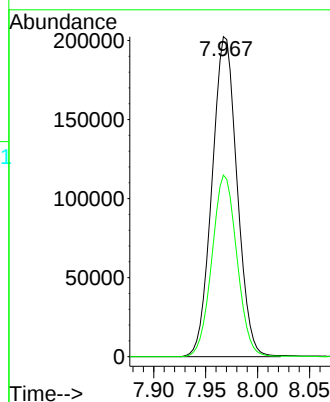
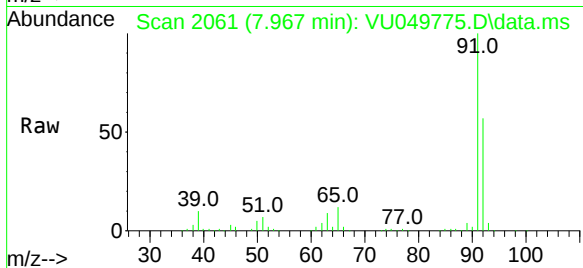
ClientSampleId :

Tgt Ion: 91 Resp: 339294

Ion Ratio Lower Upper

91 100

92 56.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 50.831 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU049775.D

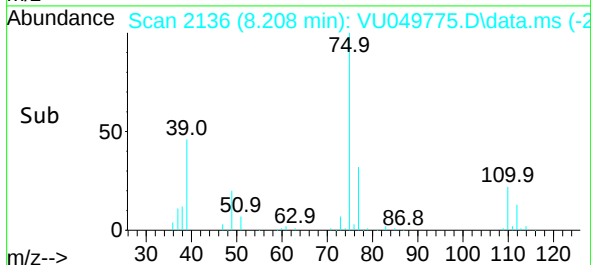
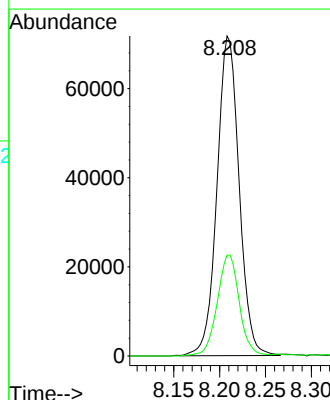
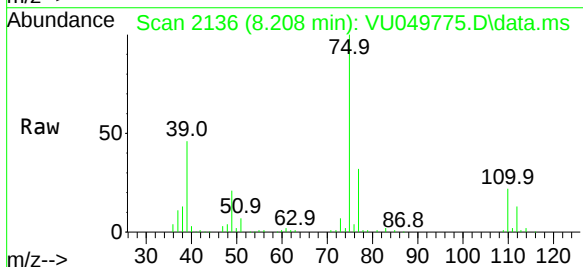
Acq: 18 Jul 2022 21:10

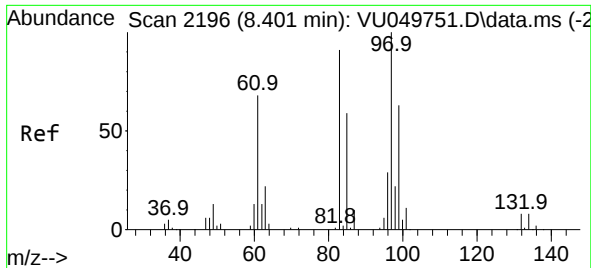
Tgt Ion: 75 Resp: 120354

Ion Ratio Lower Upper

75 100

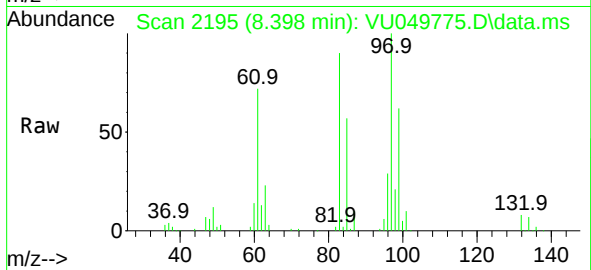
77 31.5 22.5 41.9



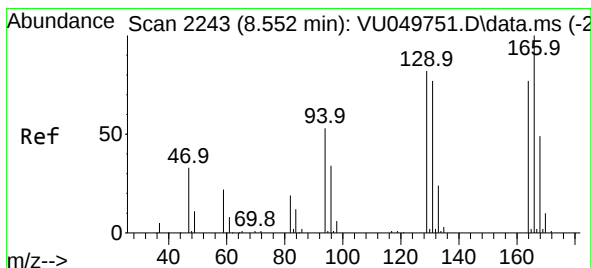
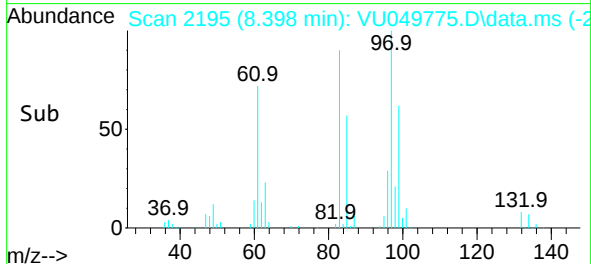
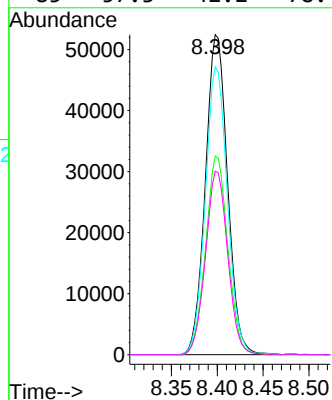


#45  
1,1,2-Trichloroethane  
Concen: 54.113 ug/L  
RT: 8.398 min Scan# 2196  
Delta R.T. -0.003 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Instrument :  
MSVOA\_U  
ClientSampleId :

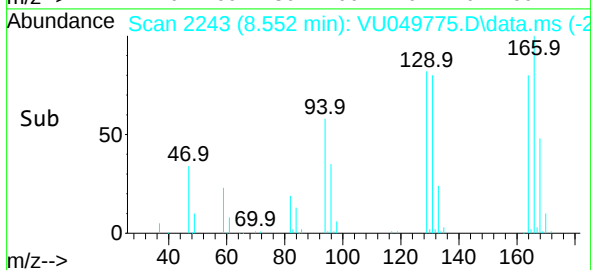
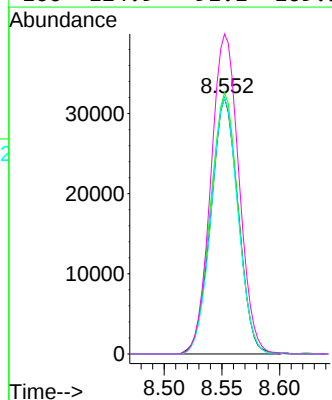
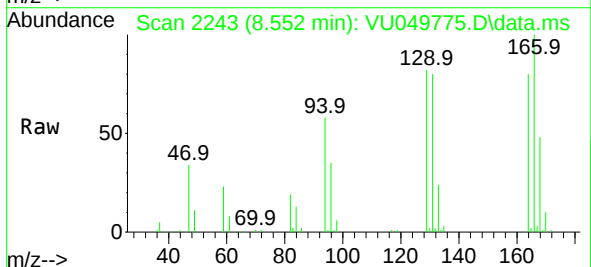


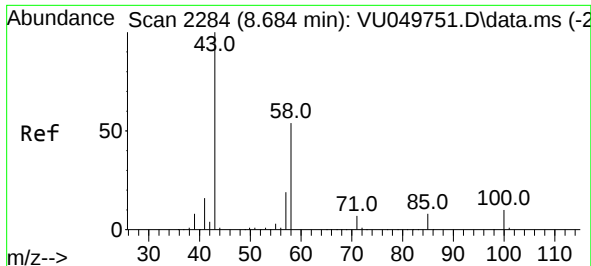
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 88314 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 62.1     | 44.3 82.3   |
| 83 89.9     | 64.0 118.8  |
| 85 57.3     | 42.2 78.4   |



#46  
Tetrachloroethene  
Concen: 46.617 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

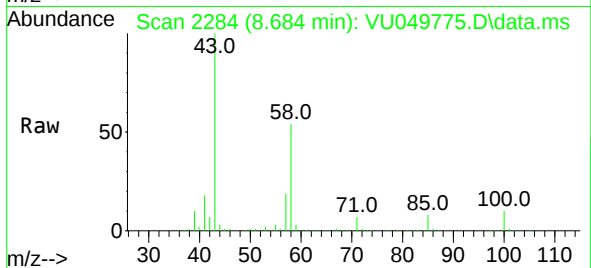
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 52721 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 102.0   | 72.0  | 133.8 |
| 131 | 99.9    | 69.0  | 128.1 |
| 166 | 124.9   | 91.1  | 169.3 |



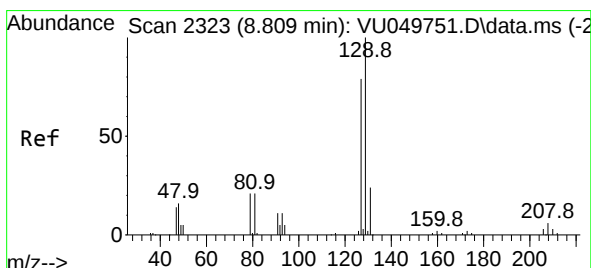
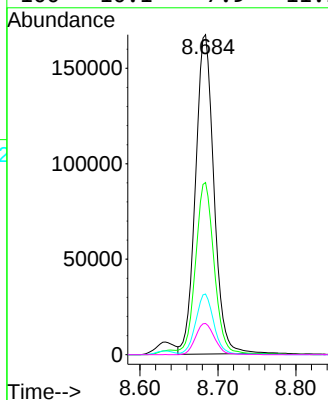
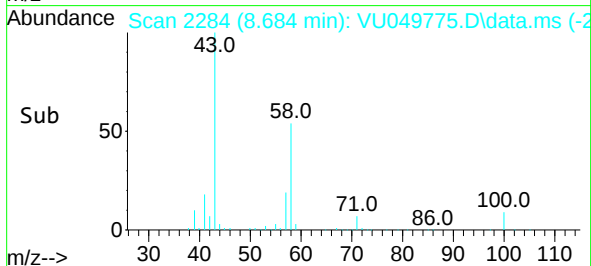


#48  
2-Hexanone  
Concen: 113.581 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Instrument :  
MSVOA\_U  
ClientSampleId :

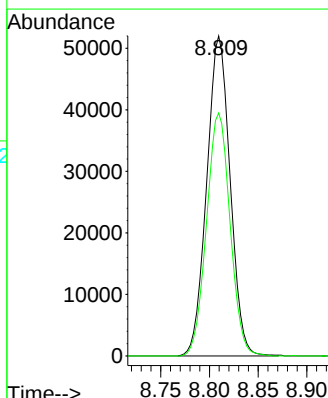
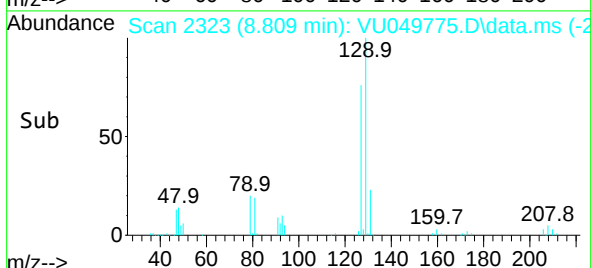
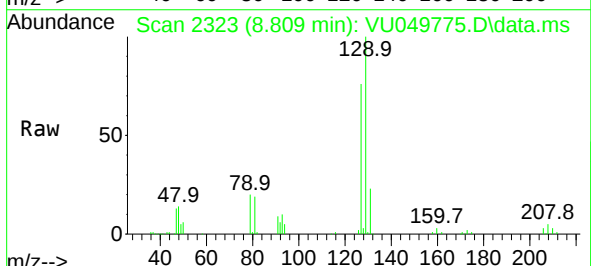


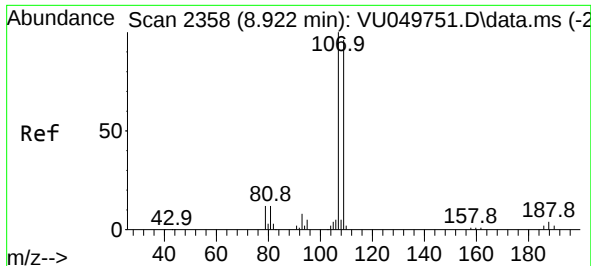
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 274737 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 54.6  | 42.6  | 64.0   |
| 57       | 18.7  | 15.0  | 22.6   |
| 100      | 10.1  | 7.9   | 11.9   |



#49  
Dibromochloromethane  
Concen: 52.974 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 86955 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 76.0  | 56.9  | 105.7 |

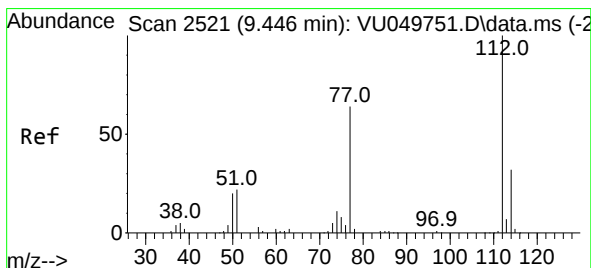
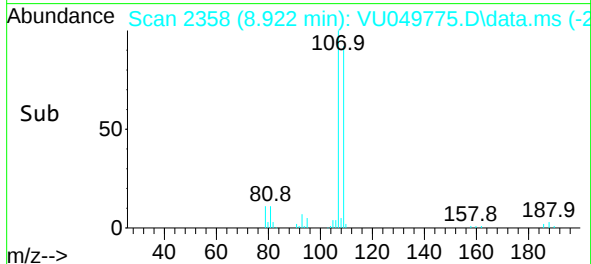
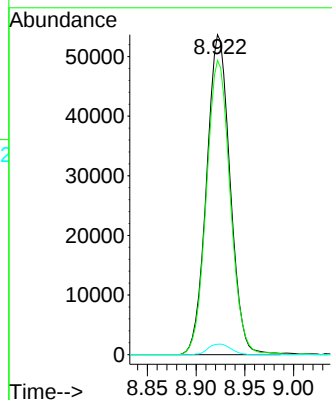
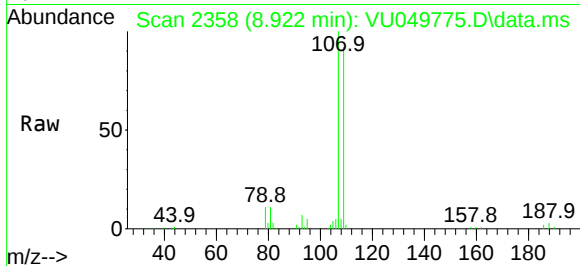




#50  
1,2-Dibromoethane  
Concen: 55.650 ug/L  
RT: 8.922 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

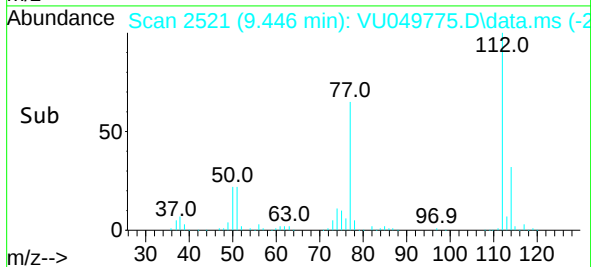
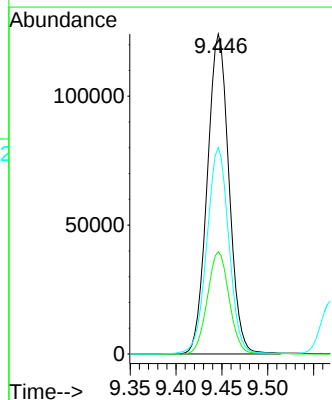
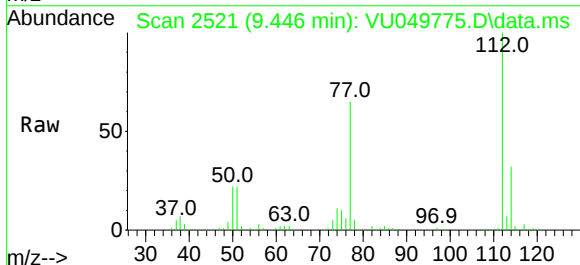
Instrument :  
MSVOA\_U  
ClientSampleId :

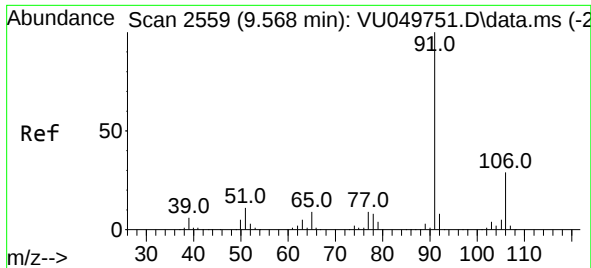
Tgt Ion:107 Resp: 90219  
Ion Ratio Lower Upper  
107 100  
109 92.0 65.7 121.9  
188 3.3 2.7 4.1



#51  
Chlorobenzene  
Concen: 50.334 ug/L  
RT: 9.446 min Scan# 2521  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Tgt Ion:112 Resp: 204360  
Ion Ratio Lower Upper  
112 100  
114 32.0 22.1 41.1  
77 64.6 51.2 76.8

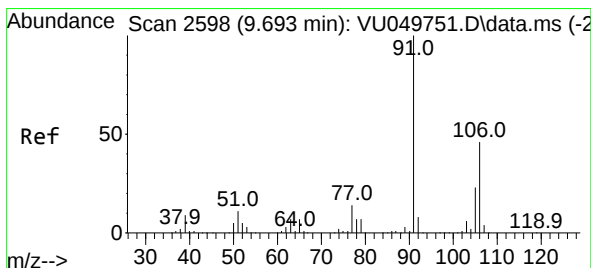
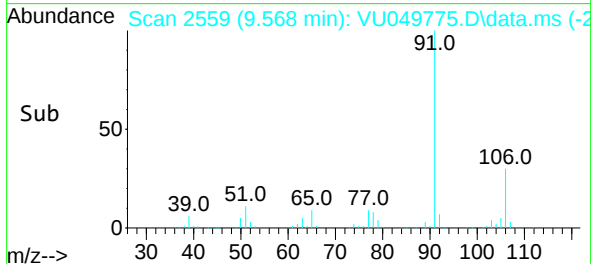
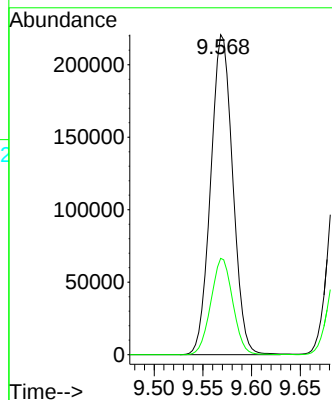
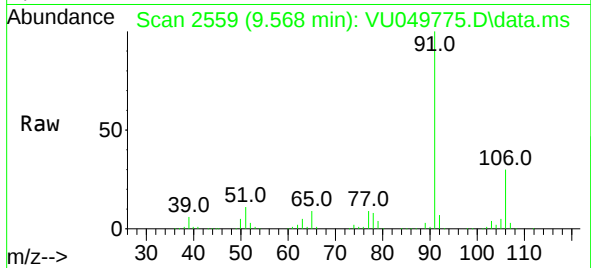




#52  
Ethylbenzene  
Concen: 49.120 ug/L  
RT: 9.568 min Scan# 2559  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

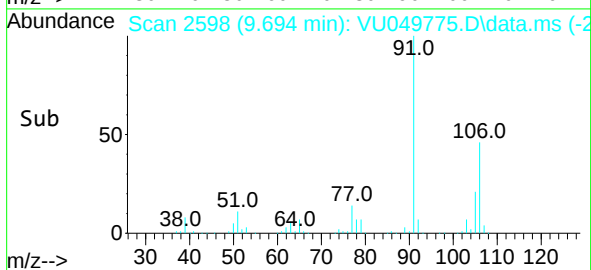
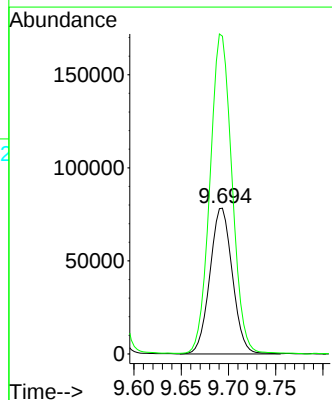
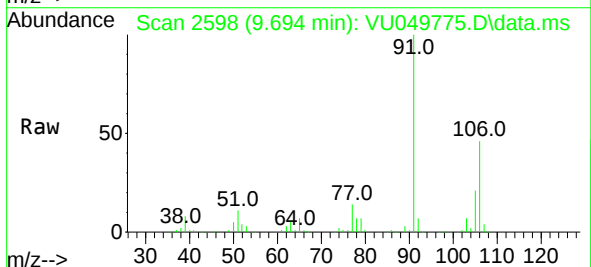
Instrument :  
MSVOA\_U  
ClientSampleId :

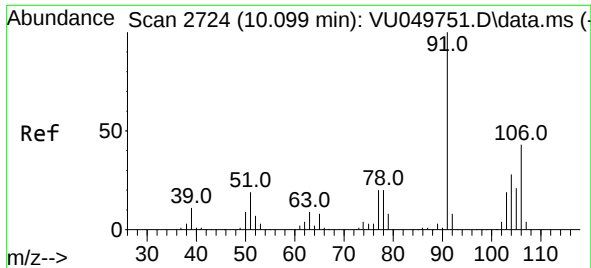
Tgt Ion: 91 Resp: 347520  
Ion Ratio Lower Upper  
91 100  
106 30.1 21.0 39.0



#53  
m,p-Xylene  
Concen: 50.371 ug/L  
RT: 9.694 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Tgt Ion: 106 Resp: 129582  
Ion Ratio Lower Upper  
106 100  
91 218.0 151.7 281.7

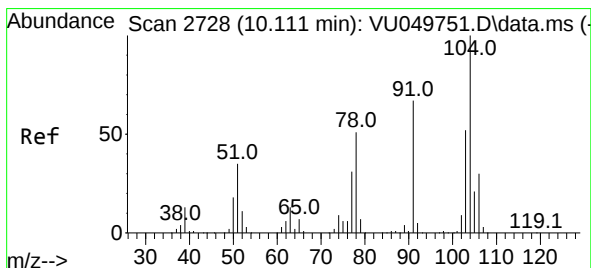
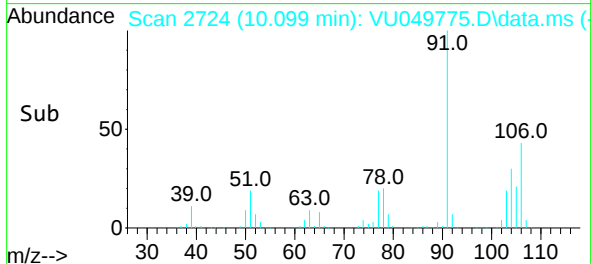
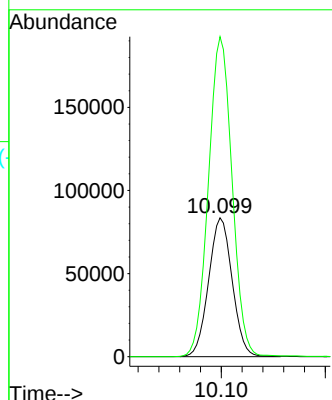
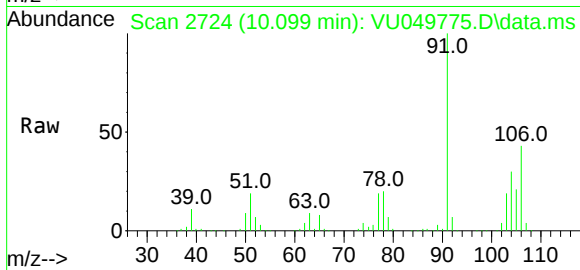




#54  
o-Xylene  
Concen: 50.765 ug/L  
RT: 10.099 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

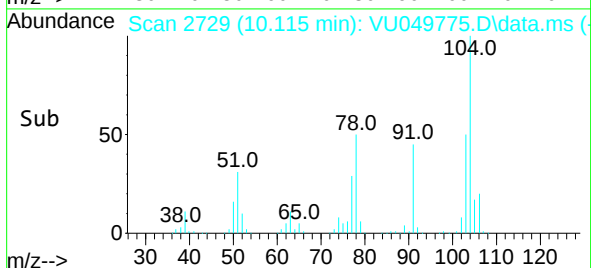
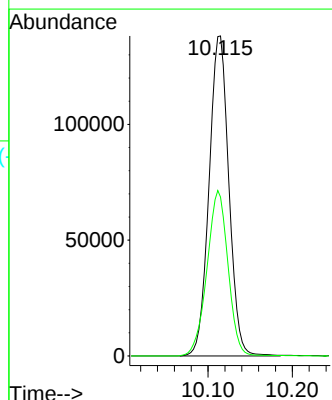
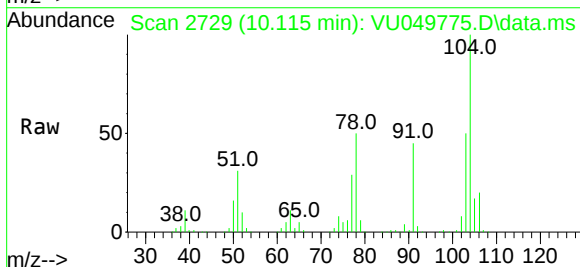
Instrument :  
MSVOA\_U  
ClientSampleId :

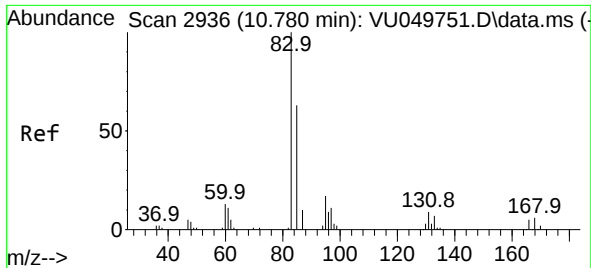
Tgt Ion:106 Resp: 131499  
Ion Ratio Lower Upper  
106 100  
91 230.5 156.9 291.5



#55  
Styrene  
Concen: 52.782 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.003 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Tgt Ion:104 Resp: 225638  
Ion Ratio Lower Upper  
104 100  
78 49.7 36.1 67.1

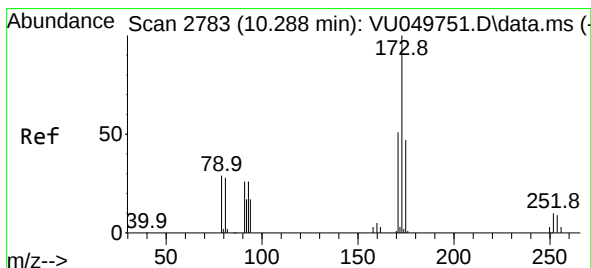
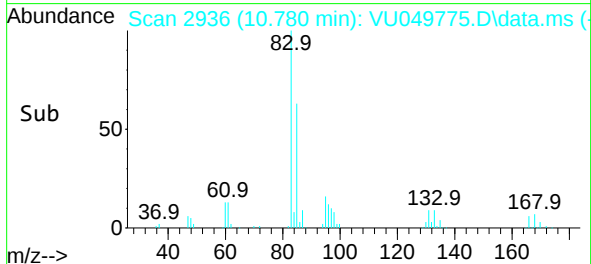
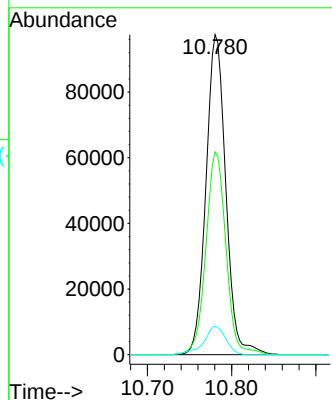
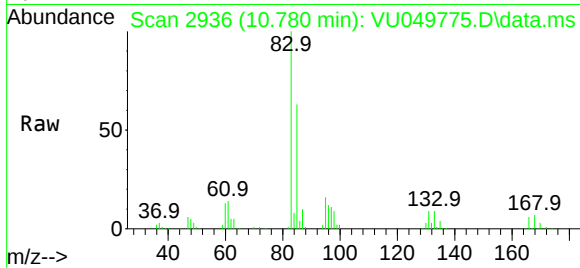




#57  
1,1,2,2-Tetrachloroethane  
Concen: 54.623 ug/L  
RT: 10.780 min Scan# 2936  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

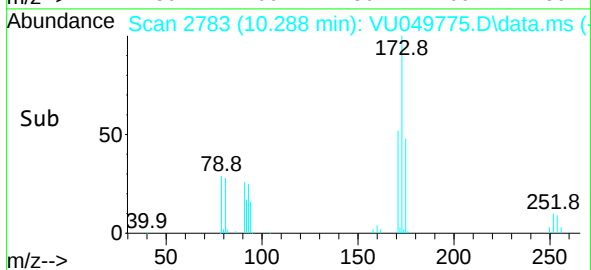
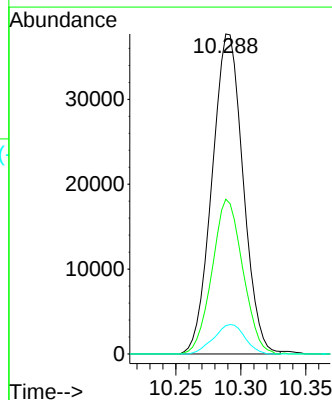
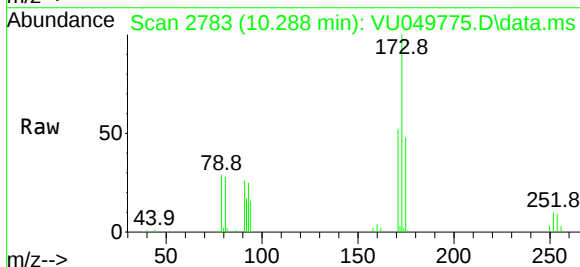
Instrument :  
MSVOA\_U  
ClientSampleId :

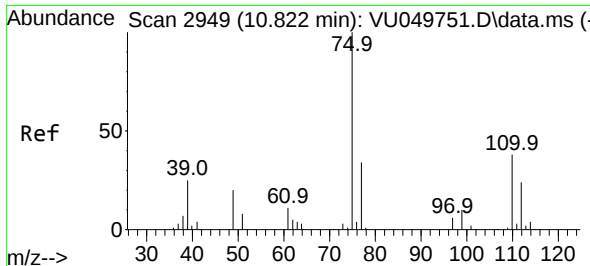
Tgt Ion: 83 Resp: 159577  
Ion Ratio Lower Upper  
83 100  
85 63.4 45.0 83.6  
131 8.8 7.0 10.6



#59  
Bromoform  
Concen: 52.076 ug/L  
RT: 10.288 min Scan# 2783  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Tgt Ion: 173 Resp: 62562  
Ion Ratio Lower Upper  
173 100  
175 47.8 38.6 58.0  
254 9.2 7.4 11.0

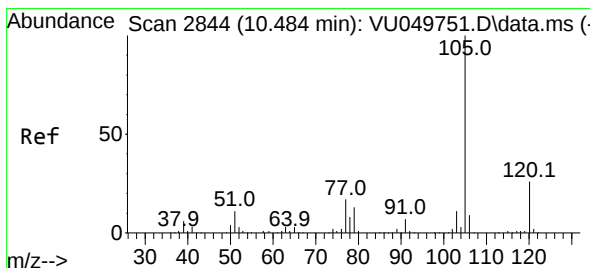
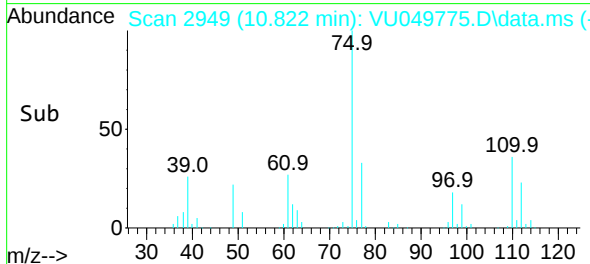
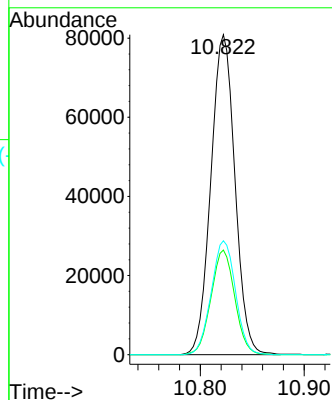
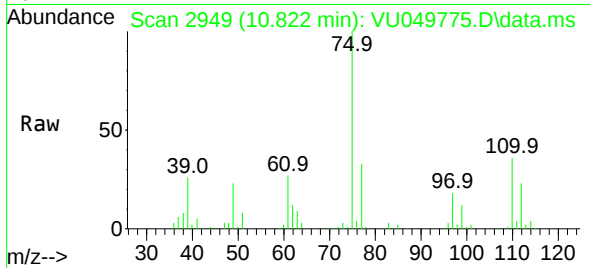




#60  
1,2,3-Trichloropropane  
Concen: 54.597 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

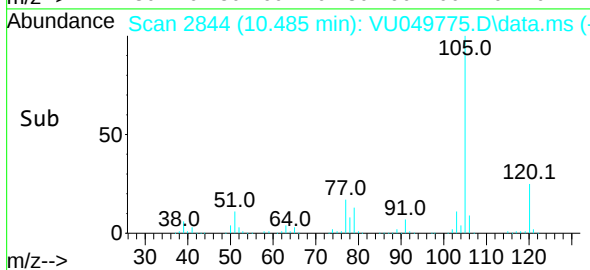
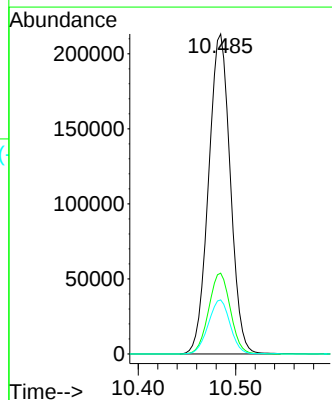
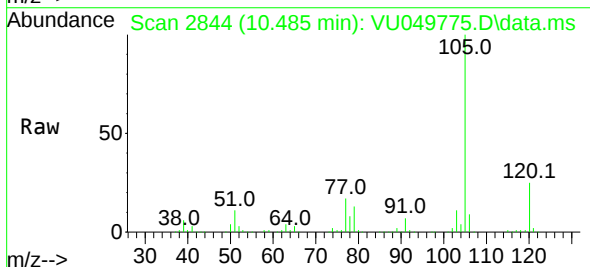
Instrument :  
MSVOA\_U  
ClientSampleId :

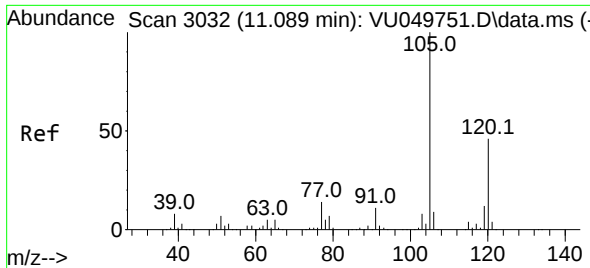
Tgt Ion: 75 Resp: 130256  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.5 38.3  
110 35.9 28.9 43.3



#61  
Isopropylbenzene  
Concen: 49.243 ug/L  
RT: 10.485 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Tgt Ion: 105 Resp: 329343  
Ion Ratio Lower Upper  
105 100  
120 25.3 19.9 29.9  
77 17.0 13.8 20.8

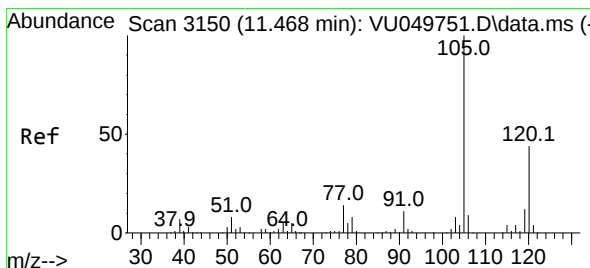
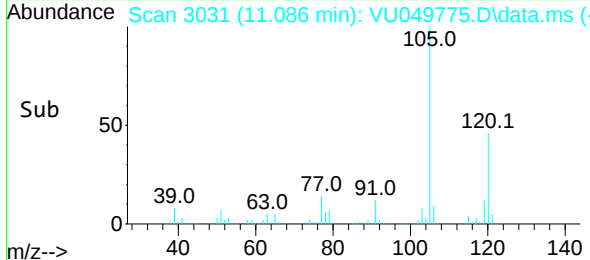
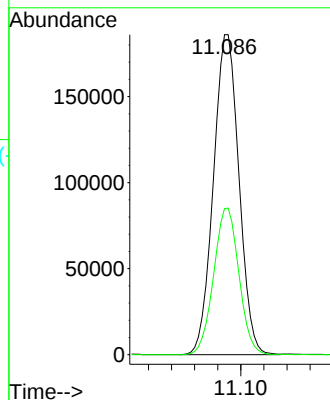
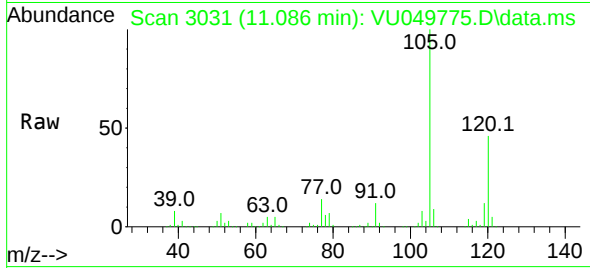




#62  
 1,3,5-Trimethylbenzene  
 Concen: 50.635 ug/L  
 RT: 11.086 min Scan# 3032  
 Delta R.T. -0.003 min  
 Lab File: VU049775.D  
 Acq: 18 Jul 2022 21:10

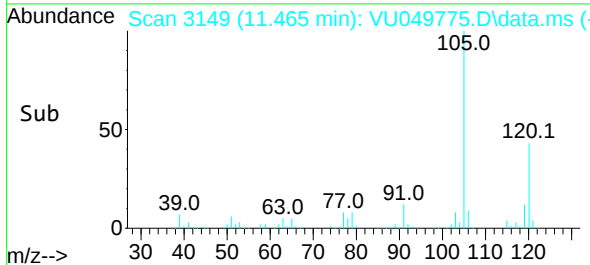
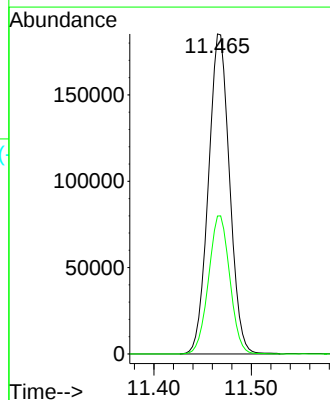
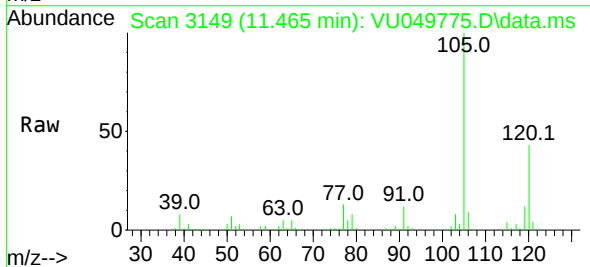
Instrument :  
 MSVOA\_U  
 ClientSampleId :

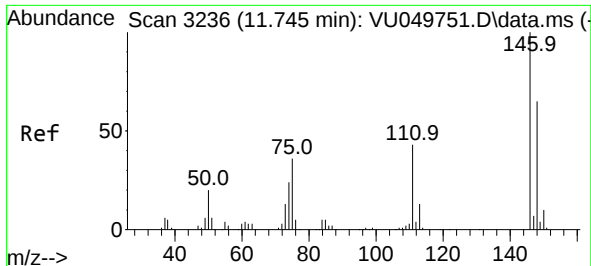
Tgt Ion:105 Resp: 285653  
 Ion Ratio Lower Upper  
 105 100  
 120 45.2 36.8 55.2



#63  
 1,2,4-Trimethylbenzene  
 Concen: 49.845 ug/L  
 RT: 11.465 min Scan# 3149  
 Delta R.T. -0.003 min  
 Lab File: VU049775.D  
 Acq: 18 Jul 2022 21:10

Tgt Ion:105 Resp: 279355  
 Ion Ratio Lower Upper  
 105 100  
 120 43.4 33.9 50.9

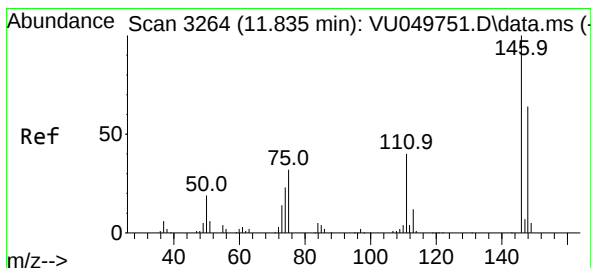
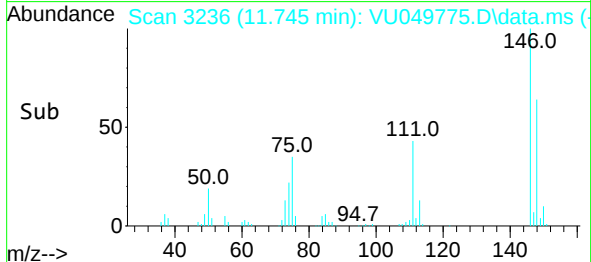
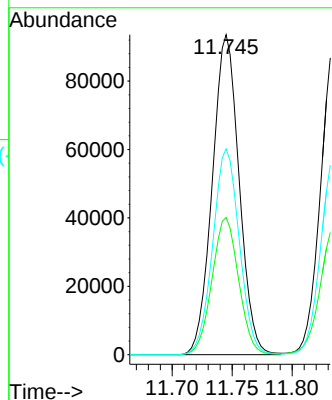
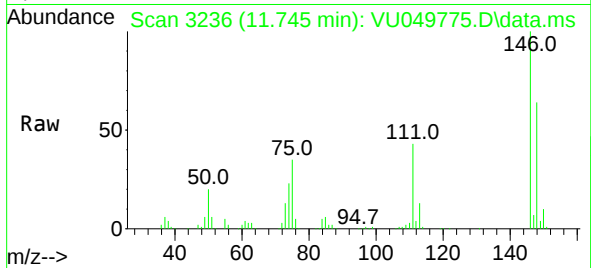




#64  
1,3-Dichlorobenzene  
Concen: 49.728 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

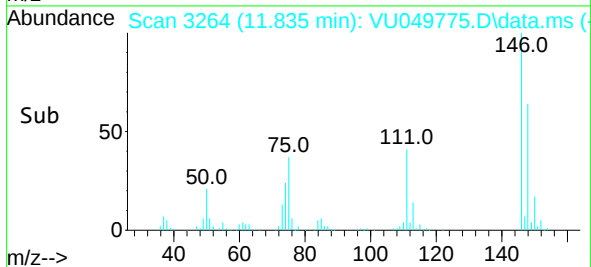
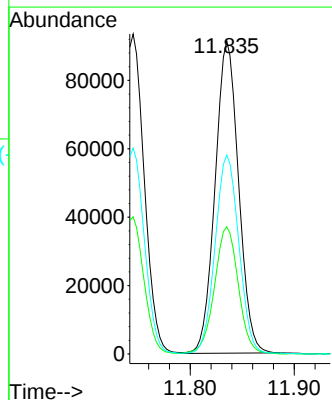
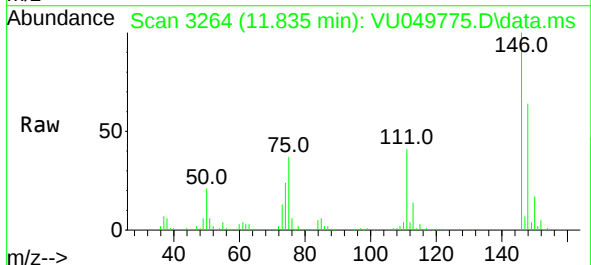
Instrument :  
MSVOA\_U  
ClientSampleId :

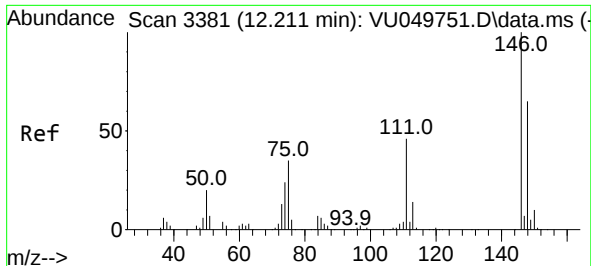
Tgt Ion:146 Resp: 145185  
Ion Ratio Lower Upper  
146 100  
111 42.8 30.0 55.6  
148 64.3 45.1 83.9



#65  
1,4-Dichlorobenzene  
Concen: 48.813 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. 0.000 min  
Lab File: VU049775.D  
Acq: 18 Jul 2022 21:10

Tgt Ion:146 Resp: 143158  
Ion Ratio Lower Upper  
146 100  
111 40.7 29.1 54.1  
148 63.6 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 51.077 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

Instrument :

MSVOA\_U

ClientSampleId :

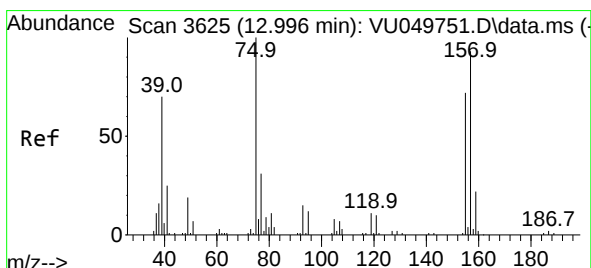
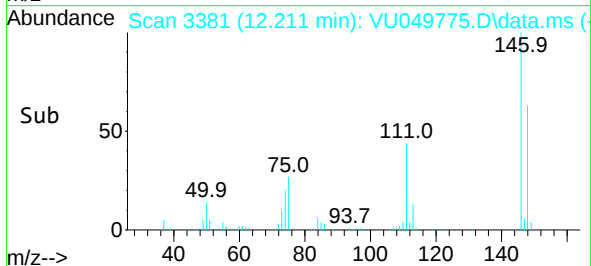
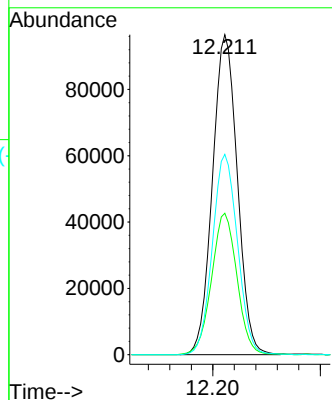
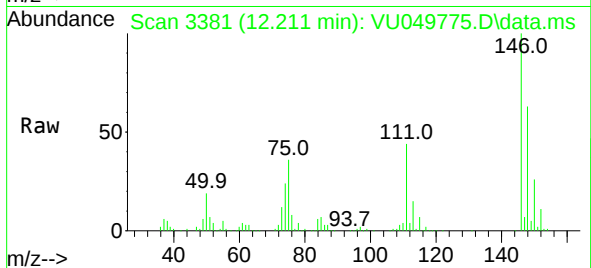
Tgt Ion:146 Resp: 155064

Ion Ratio Lower Upper

146 100

111 44.2 35.8 53.8

148 62.6 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 54.787 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

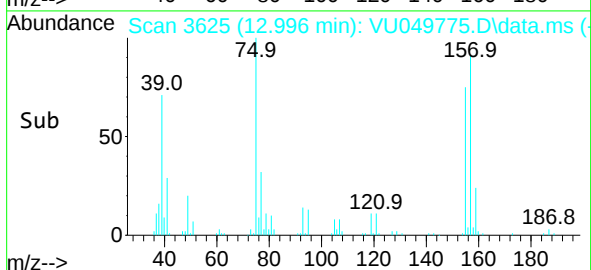
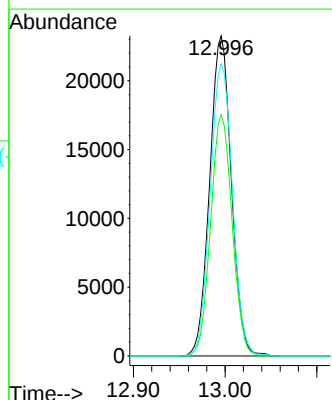
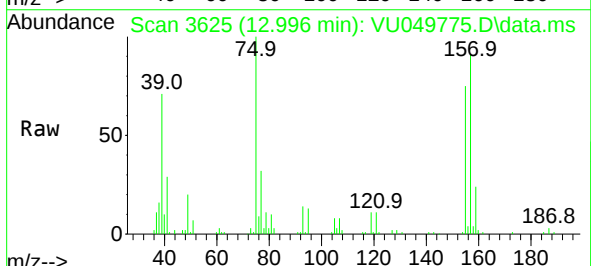
Tgt Ion: 75 Resp: 38300

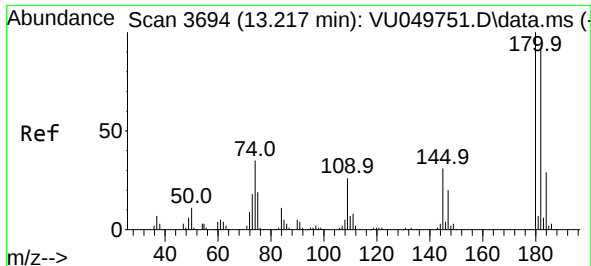
Ion Ratio Lower Upper

75 100

155 75.3 57.7 86.5

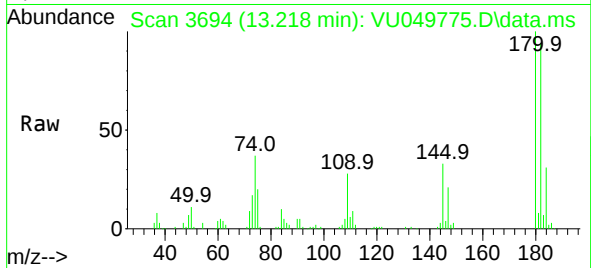
157 91.3 75.6 113.4



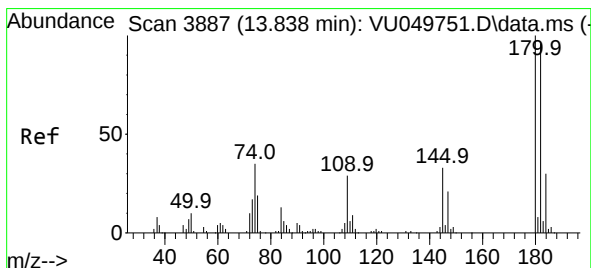
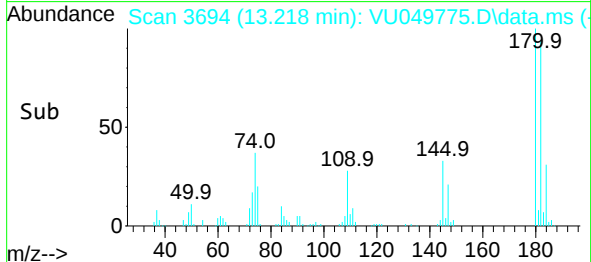
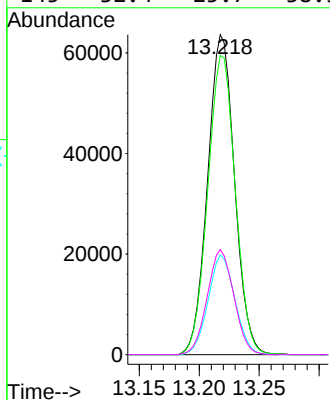


#69  
 1,3,5-Trichlorobenzene  
 Concen: 48.576 ug/L  
 RT: 13.218 min Scan# 30  
 Delta R.T. 0.000 min  
 Lab File: VU049775.D  
 Acq: 18 Jul 2022 21:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :

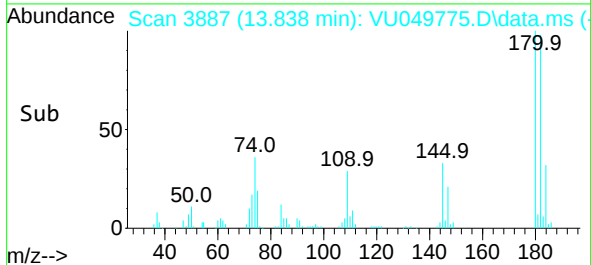
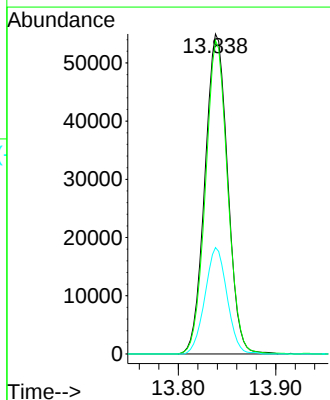
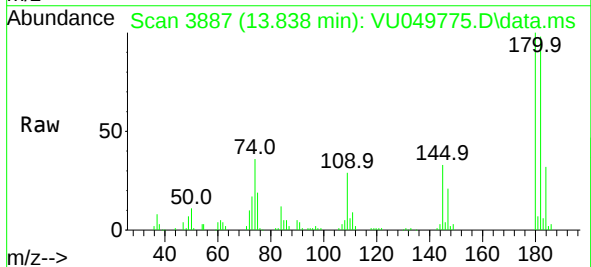


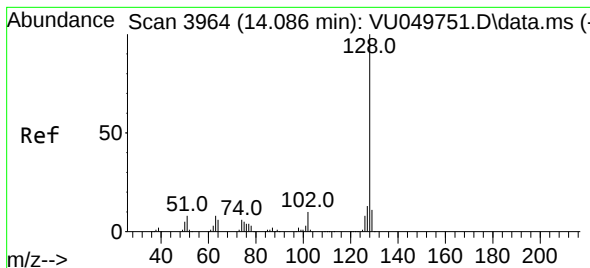
Tgt Ion:180 Resp: 99379  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 76.0 114.0  
 184 31.0 24.0 36.0  
 145 32.4 25.7 38.5



#70  
 1,2,4-trichlorobenzene  
 Concen: 47.573 ug/L  
 RT: 13.838 min Scan# 3887  
 Delta R.T. 0.000 min  
 Lab File: VU049775.D  
 Acq: 18 Jul 2022 21:10

Tgt Ion:180 Resp: 89314  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 74.8 112.2  
 145 32.2 24.7 37.1





#71

Naphthalene

Concen: 50.564 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

Instrument :

MSVOA\_U

ClientSampleId :

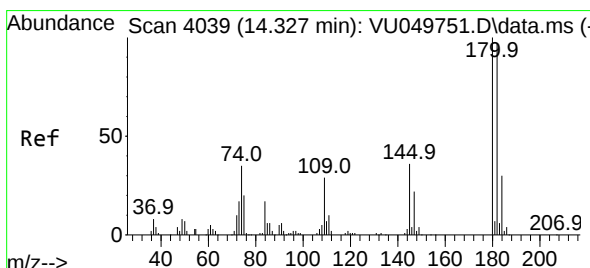
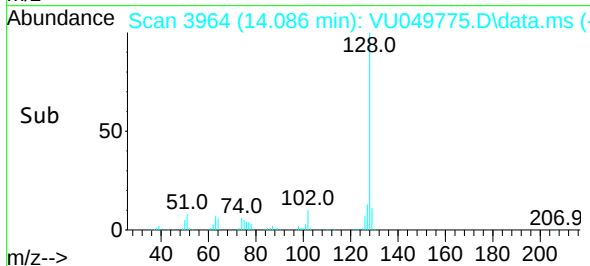
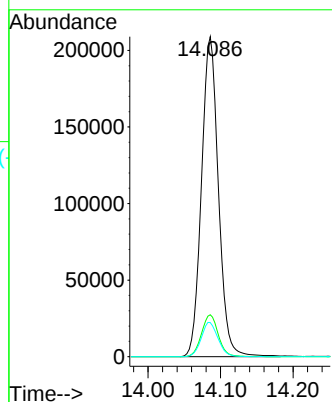
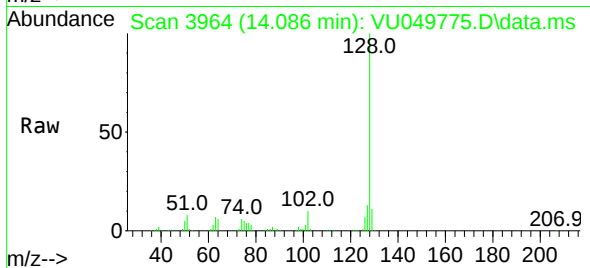
Tgt Ion:128 Resp: 339361

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.6 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 50.422 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU049775.D

Acq: 18 Jul 2022 21:10

Tgt Ion:180 Resp: 98058

Ion Ratio Lower Upper

180 100

182 94.3 76.6 115.0

145 33.0 27.1 40.7

