

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062724\  
 Data File : VU059553.D  
 Acq On : 27 Jun 2024 11:18  
 Operator : MD/SY  
 Sample : P3062-02MS 10X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E1GN8MS

Quant Time: Jun 28 04:07:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 27 04:10:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242   | 114   | 207414   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412   | 117   | 211757   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807  | 152   | 112654   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596   | 65    | 57097    | 45.976   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 91.960%  |
| 7) Chloroethane-d5            | 1.908   | 69    | 50490    | 47.461   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 94.920%  |
| 11) 1,1-Dichloroethene-d2     | 2.563   | 63    | 111069   | 45.310   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.620%  |
| 21) 2-Butanone-d5             | 4.608   | 46    | 97365    | 83.179   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 83.180%  |
| 24) Chloroform-d              | 5.055   | 84    | 122373   | 49.499   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.692   | 65    | 72937    | 48.135   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.260%  |
| 32) Benzene-d6                | 5.721   | 84    | 238234   | 49.018   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.040%  |
| 36) 1,2-Dichloropropane-d6    | 6.682   | 67    | 75488    | 45.047   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 90.100%  |
| 41) Toluene-d8                | 7.891   | 98    | 220177   | 53.366   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 106.740% |
| 43) trans-1,3-Dichloroprop... | 8.174   | 79    | 34094    | 50.333   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 100.660% |
| 47) 2-Hexanone-d5             | 8.624   | 63    | 64421    | 83.132   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 83.130%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746  | 84    | 123530   | 43.556   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 87.120%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187  | 152   | 85207    | 50.683   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.360% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380   | 85    | 87677    | 41.720   | ug/L   | 99       |
| 3) Chloromethane              | 1.518   | 50    | 94464    | 38.893   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.602   | 62    | 105859   | 44.355   | ug/L   | 98       |
| 6) Bromomethane               | 1.850   | 94    | 71537    | 37.466   | ug/L   | 99       |
| 8) Chloroethane               | 1.927   | 64    | 66529    | 44.702   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.133   | 101   | 139440   | 50.208   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576   | 101   | 87083    | 53.893   | ug/L   | 90       |
| 12) 1,1-Dichloroethene        | 2.576   | 96    | 77984    | 53.210   | ug/L   | 78       |
| 13) Acetone                   | 2.612   | 43    | 85677    | 62.271   | ug/L   | 94       |
| 14) Carbon disulfide          | 2.789   | 76    | 221213   | 44.817   | ug/L   | 98       |
| 15) Methyl Acetate            | 2.936   | 43    | 96272    | 44.173   | ug/L   | 91       |
| 16) Methylene chloride        | 3.039   | 84    | 97917    | 49.377   | ug/L   | 88       |
| 17) trans-1,2-Dichloroethene  | 3.345   | 96    | 83310    | 52.666   | ug/L   | 90       |
| 18) Methyl tert-butyl Ether   | 3.351   | 73    | 250327   | 48.718   | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.859   | 63    | 159702   | 47.101   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.657   | 96    | 95901    | 53.203   | ug/L   | 89       |
| 22) 2-Butanone                | 4.689   | 43    | 134776   | 80.910   | ug/L   | 91       |
| 23) Bromochloromethane        | 4.965   | 128   | 53169    | 58.232   | ug/L   | 81       |
| 25) Chloroform                | 5.078   | 83    | 168851   | 51.430   | ug/L   | 99       |

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 Sample : P3062-02MS 10X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

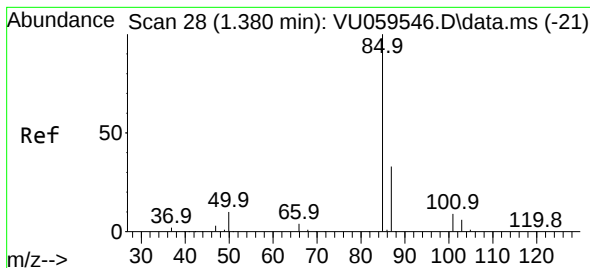
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E1GN8MS

Quant Time: Jun 28 04:07:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 27 04:10:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 128700   | 46.403 | ug/L   | 98       |
| 29) Cyclohexane               | 5.380  | 56   | 114563   | 40.524 | ug/L   | 92       |
| 30) 1,1,1-Trichloroethane     | 5.306  | 97   | 135416   | 49.184 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 114542   | 51.218 | ug/L   | 99       |
| 33) Benzene                   | 5.766  | 78   | 366903   | 47.984 | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 93671    | 50.030 | ug/L   | 93       |
| 35) Methylcyclohexane         | 6.756  | 83   | 128743   | 46.767 | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 100603   | 46.334 | ug/L # | 97       |
| 38) Bromodichloromethane      | 7.097  | 83   | 127572   | 50.440 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 146080   | 48.626 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 257864   | 90.589 | ug/L # | 95       |
| 42) Toluene                   | 7.962  | 91   | 399782   | 52.087 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 136131   | 50.054 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 102766   | 52.641 | ug/L   | 97       |
| 46) Tetrachloroethene         | 8.547  | 164  | 73524    | 58.956 | ug/L   | 90       |
| 48) 2-Hexanone                | 8.676  | 43   | 204153   | 85.038 | ug/L # | 95       |
| 49) Dibromochloromethane      | 8.801  | 129  | 102294   | 57.981 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 107041   | 53.155 | ug/L   | 97       |
| 51) Chlorobenzene             | 9.441  | 112  | 247147   | 53.351 | ug/L   | 96       |
| 52) Ethylbenzene              | 9.563  | 91   | 398320   | 50.339 | ug/L   | 96       |
| 53) m,p-Xylene                | 9.689  | 106  | 156748   | 53.900 | ug/L   | 93       |
| 54) o-Xylene                  | 10.094 | 106  | 151378   | 53.711 | ug/L   | 94       |
| 55) Styrene                   | 10.107 | 104  | 270699   | 56.505 | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 178304   | 50.138 | ug/L   | 99       |
| 59) Bromoform                 | 10.283 | 173  | 84712    | 57.351 | ug/L   | 99       |
| 60) 1,2,3-Trichloropropane    | 10.814 | 75   | 135854   | 43.365 | ug/L   | 98       |
| 61) Isopropylbenzene          | 10.476 | 105  | 392199   | 49.485 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 274143   | 47.741 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 299580   | 48.126 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 194589   | 52.532 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 199637   | 52.185 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 195948   | 50.612 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 38388    | 48.335 | ug/L # | 74       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 126612   | 51.755 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 104684   | 53.577 | ug/L   | 99       |
| 71) Naphthalene               | 14.081 | 128  | 309250   | 50.003 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 115613   | 58.201 | ug/L   | 99       |

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

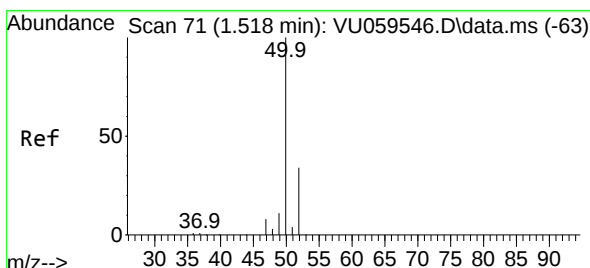
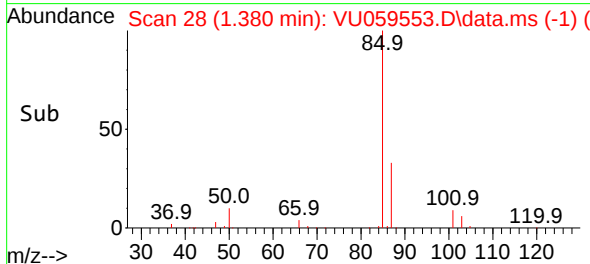
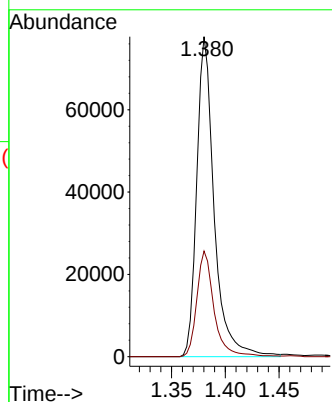
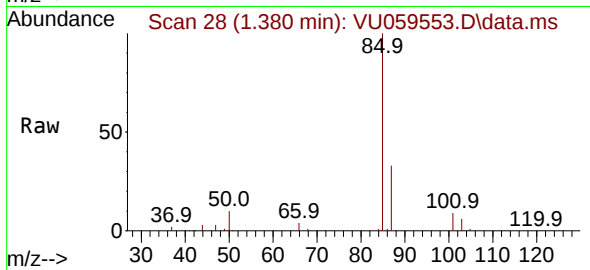




#2  
 Dichlorodifluoromethane  
 Concen: 41.720 ug/L  
 RT: 1.380 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VU059553.D  
 Acq: 27 Jun 2024 11:18

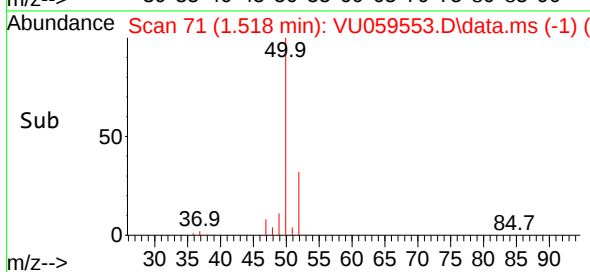
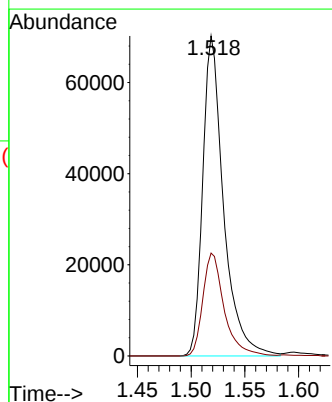
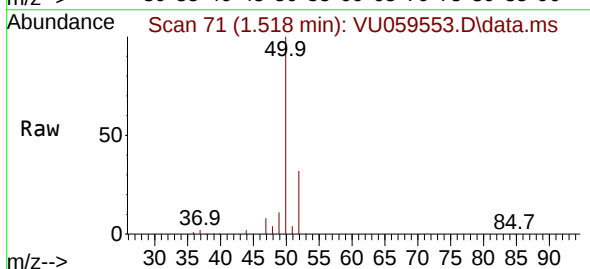
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E1GN8MS

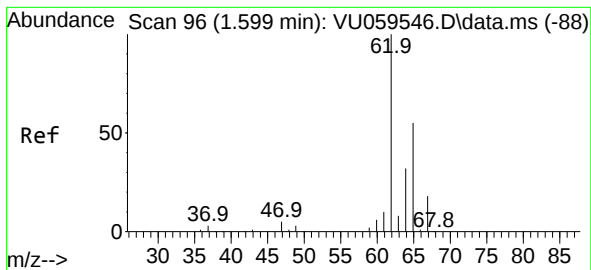
Tgt Ion: 85 Resp: 87677  
 Ion Ratio Lower Upper  
 85 100  
 87 32.6 25.4 38.2



#3  
 Chloromethane  
 Concen: 38.893 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VU059553.D  
 Acq: 27 Jun 2024 11:18

Tgt Ion: 50 Resp: 94464  
 Ion Ratio Lower Upper  
 50 100  
 52 32.2 23.2 43.2





#5

Vinyl chloride

Concen: 44.355 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

Instrument :

MSVOA\_U

ClientSampleId :

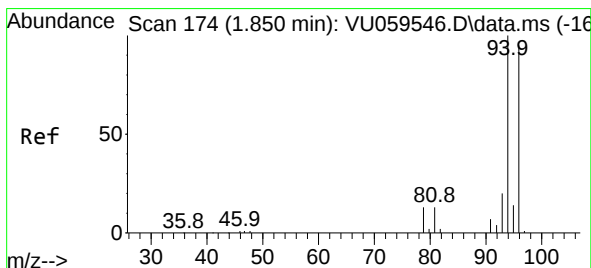
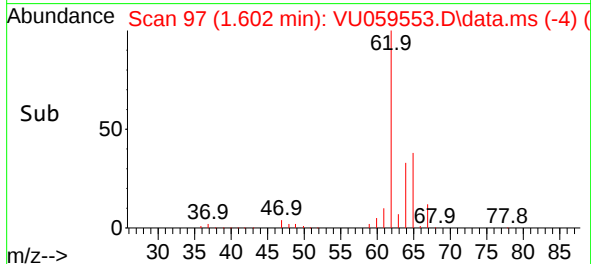
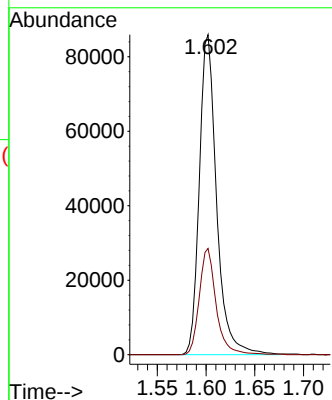
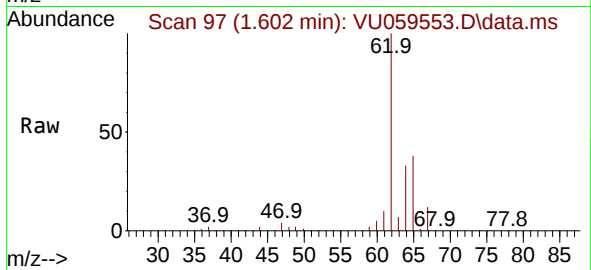
E1GN8MS

Tgt Ion: 62 Resp: 105859

Ion Ratio Lower Upper

62 100

64 33.2 22.5 41.7



#6

Bromomethane

Concen: 37.466 ug/L

RT: 1.850 min Scan# 174

Delta R.T. 0.000 min

Lab File: VU059553.D

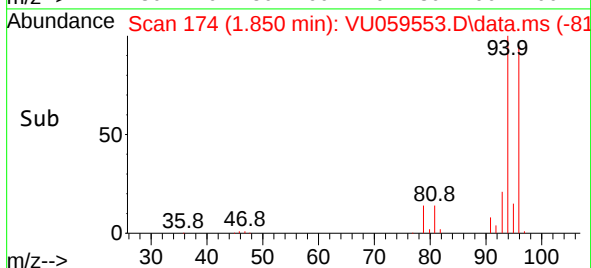
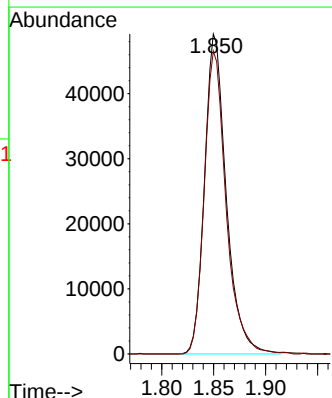
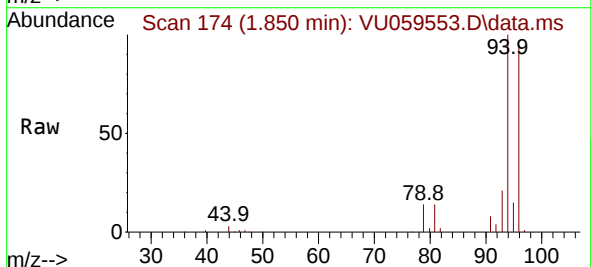
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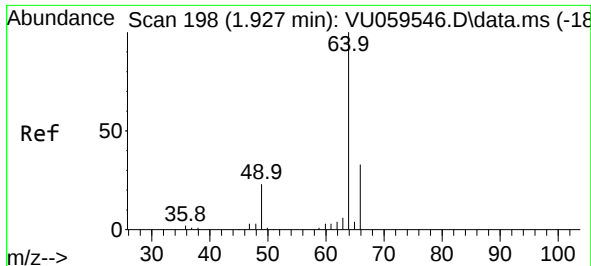
Tgt Ion: 94 Resp: 71537

Ion Ratio Lower Upper

94 100

96 94.6 67.1 124.7

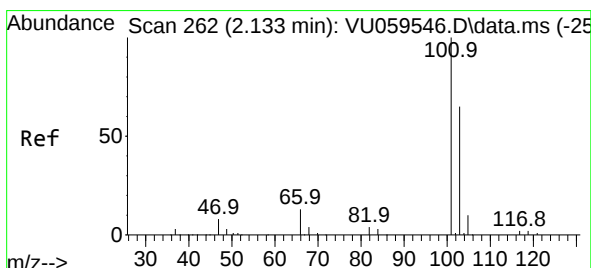
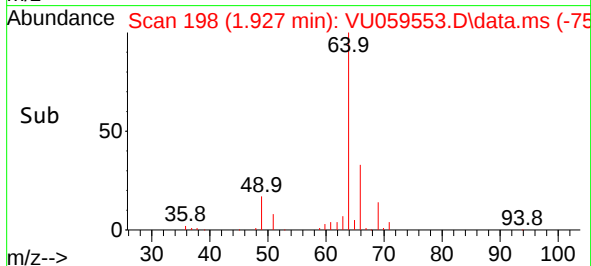
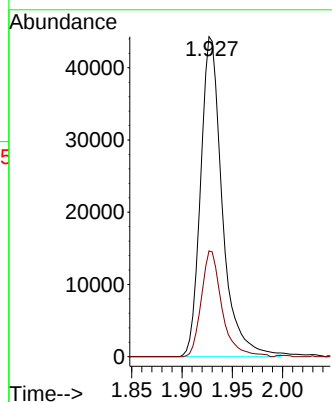
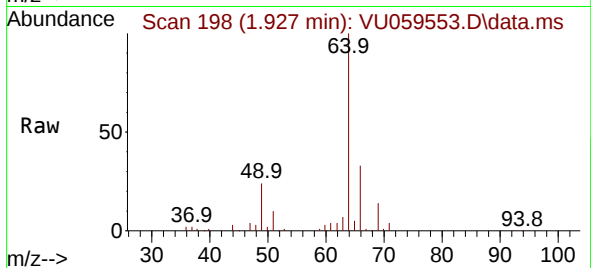




#8  
Chloroethane  
Concen: 44.702 ug/L  
RT: 1.927 min Scan# 198  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

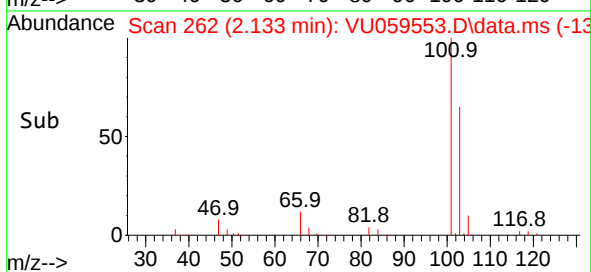
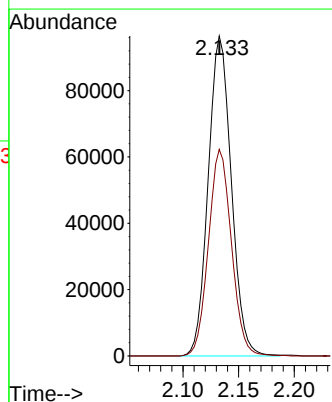
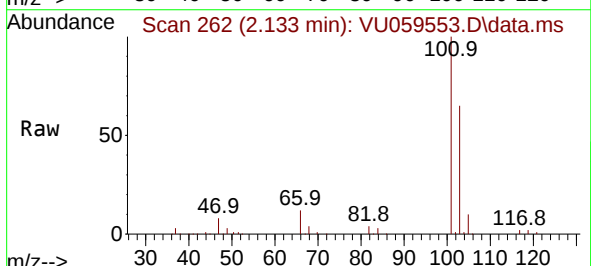
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

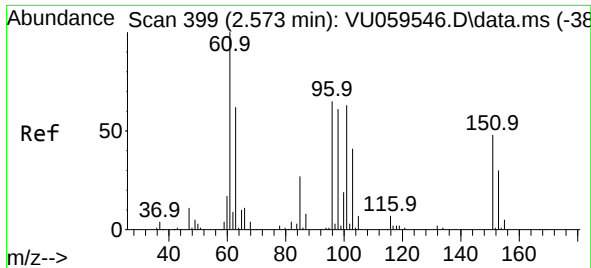
Tgt Ion: 64 Resp: 66529  
Ion Ratio Lower Upper  
64 100  
66 33.0 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 50.208 ug/L  
RT: 2.133 min Scan# 262  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion:101 Resp: 139440  
Ion Ratio Lower Upper  
101 100  
103 64.1 51.8 77.6

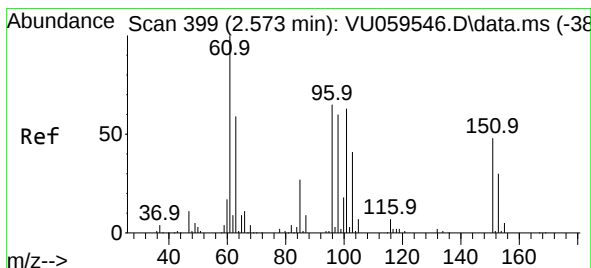
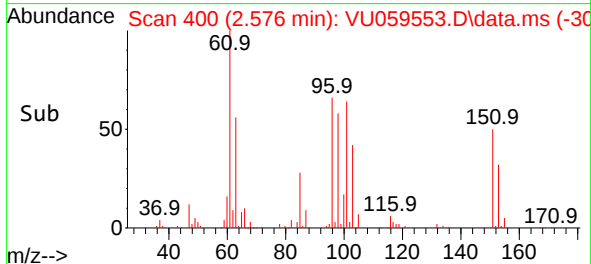
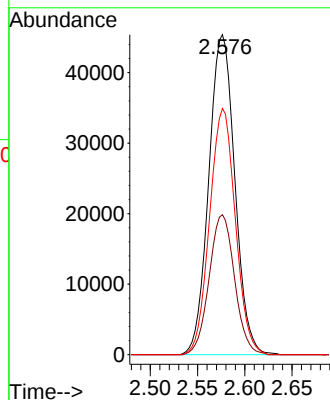
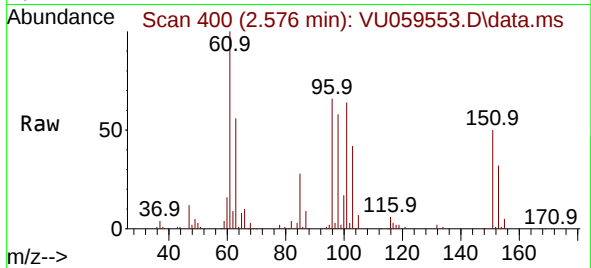




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 53.893 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

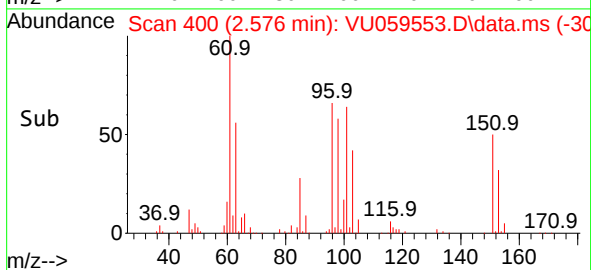
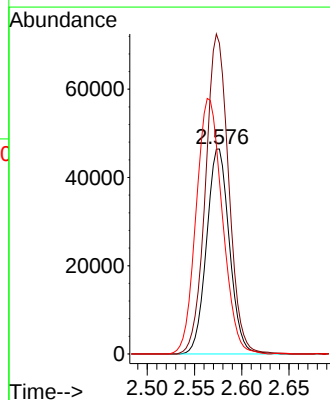
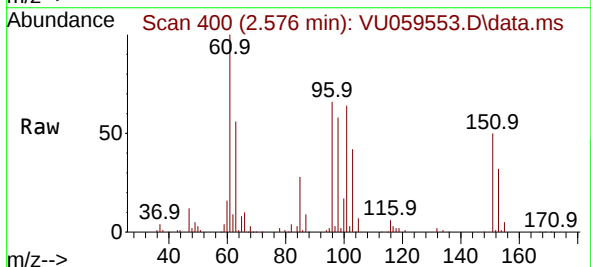
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

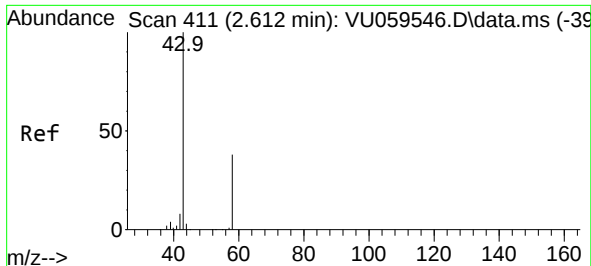
Tgt Ion:101 Resp: 87083  
Ion Ratio Lower Upper  
101 100  
85 42.7 36.7 55.1  
151 76.0 52.2 78.2



#12  
1,1-Dichloroethene  
Concen: 53.210 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. 0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion: 96 Resp: 77984  
Ion Ratio Lower Upper  
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61 151.6 126.3 234.6  
63 84.8 78.7 146.1

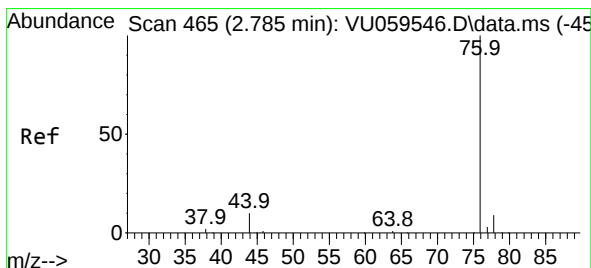
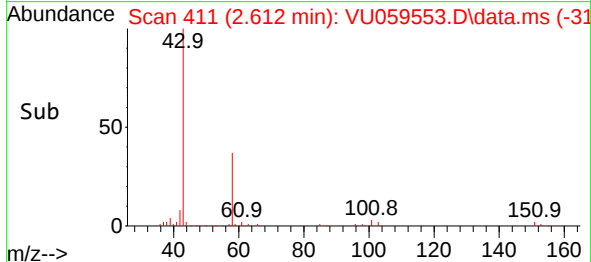
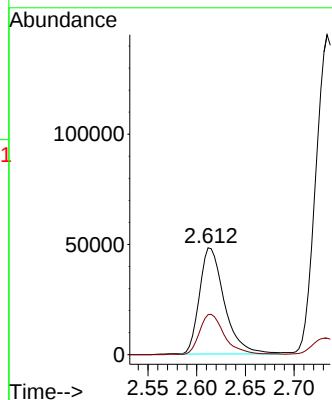
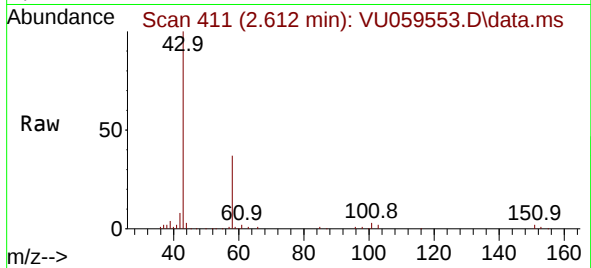




#13  
Acetone  
Concen: 62.271 ug/L  
RT: 2.612 min Scan# 411  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

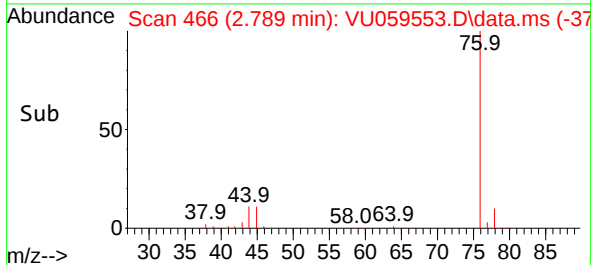
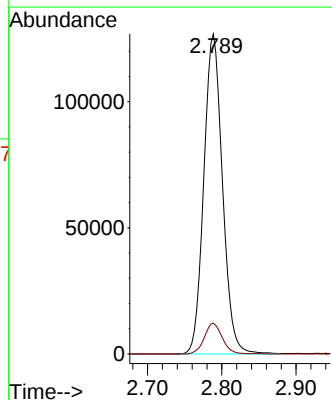
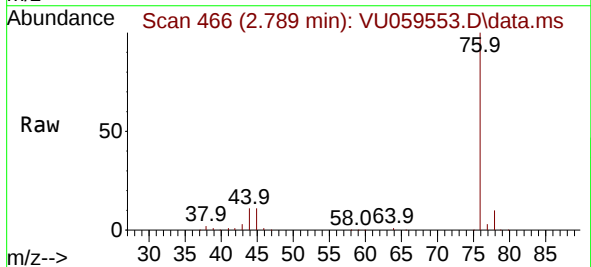
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

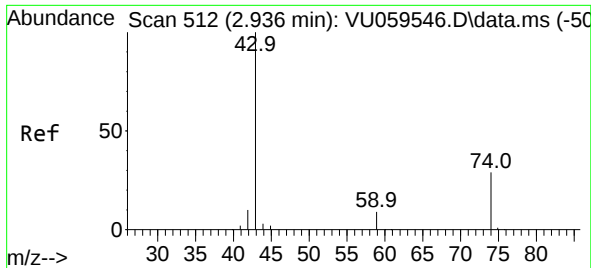
Tgt Ion: 43 Resp: 85677  
Ion Ratio Lower Upper  
43 100  
58 37.9 0.0 68.8



#14  
Carbon disulfide  
Concen: 44.817 ug/L  
RT: 2.789 min Scan# 466  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion: 76 Resp: 221213  
Ion Ratio Lower Upper  
76 100  
78 9.7 7.2 10.8

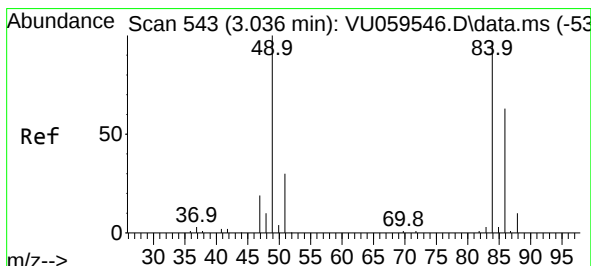
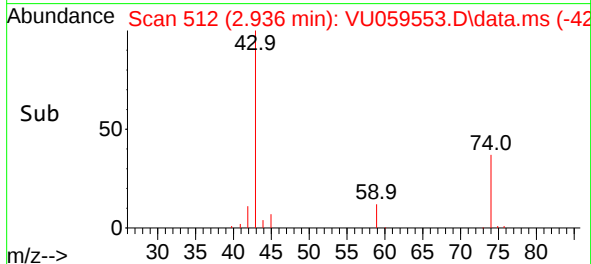
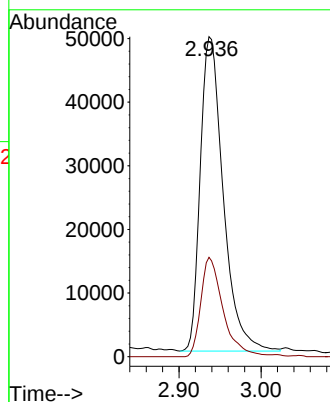
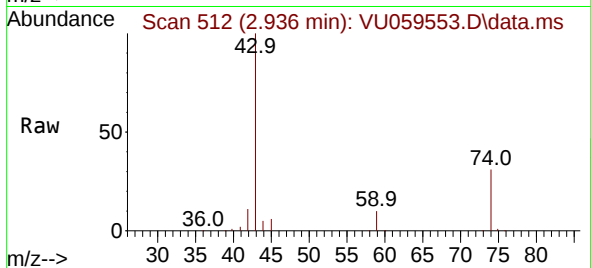




#15  
Methyl Acetate  
Concen: 44.173 ug/L  
RT: 2.936 min Scan# 512  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

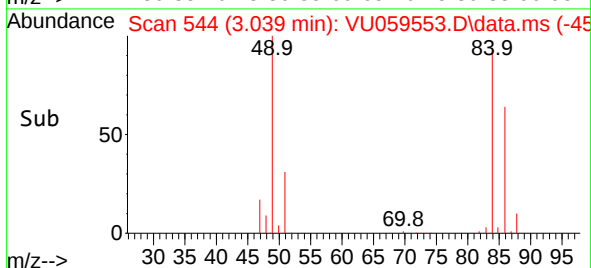
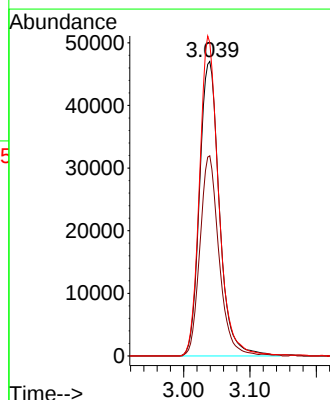
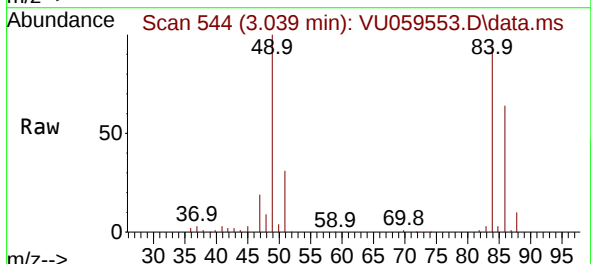
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

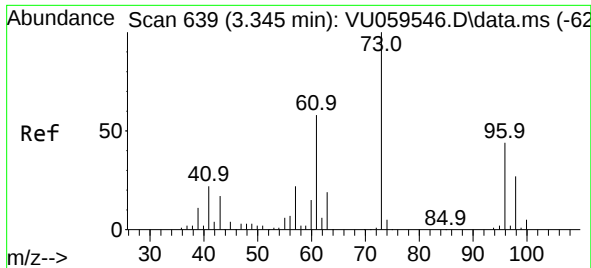
Tgt Ion: 43 Resp: 96272  
Ion Ratio Lower Upper  
43 100  
74 30.5 20.8 31.2



#16  
Methylene chloride  
Concen: 49.377 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion: 84 Resp: 97917  
Ion Ratio Lower Upper  
84 100  
86 67.9 44.9 83.3  
49 106.4 87.5 162.5

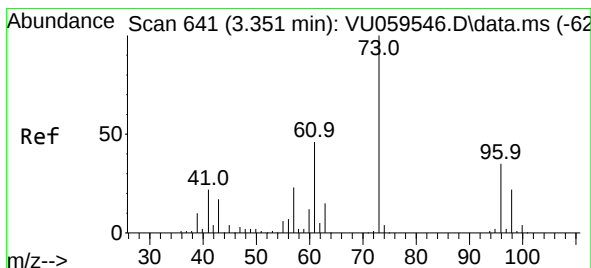
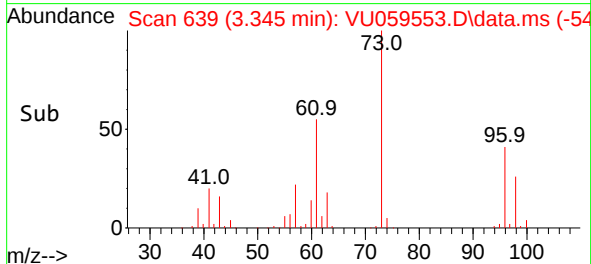
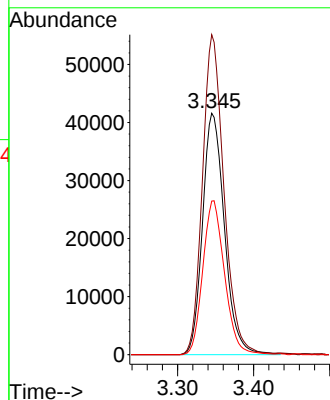
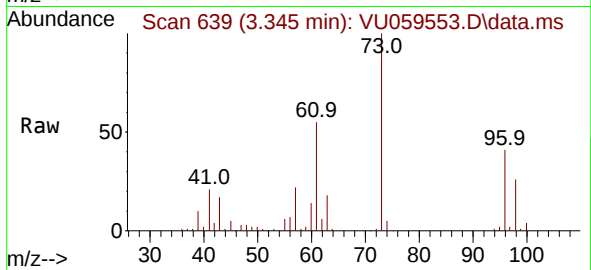




#17  
trans-1,2-Dichloroethene  
Concen: 52.666 ug/L  
RT: 3.345 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

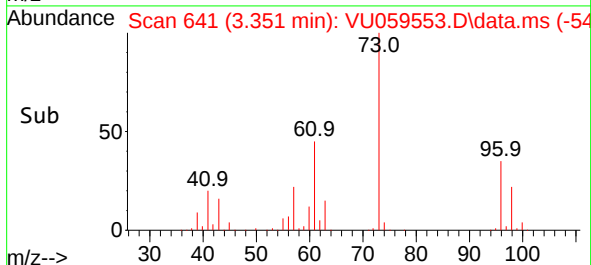
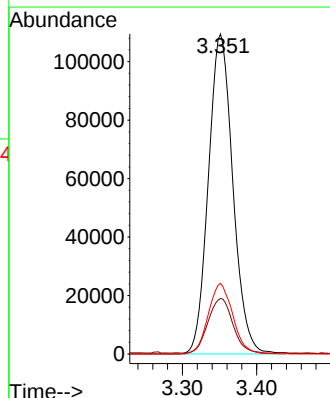
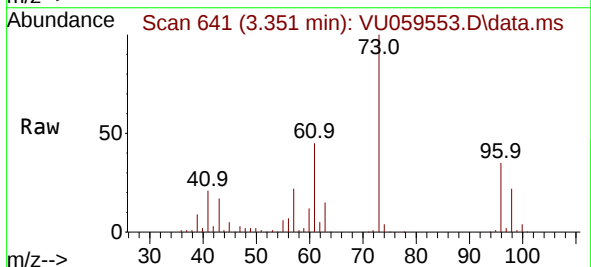
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

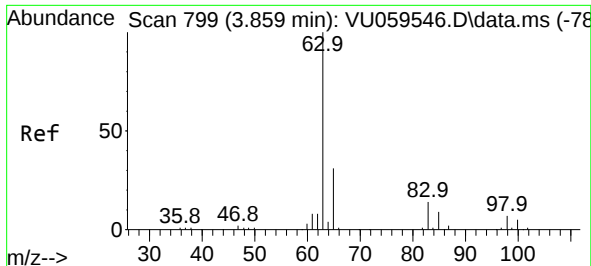
Tgt Ion: 96 Resp: 83310  
Ion Ratio Lower Upper  
96 100  
61 132.5 103.5 192.3  
98 63.6 42.4 78.6



#18  
Methyl tert-butyl Ether  
Concen: 48.718 ug/L  
RT: 3.351 min Scan# 641  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion: 73 Resp: 250327  
Ion Ratio Lower Upper  
73 100  
43 17.4 15.6 23.4  
57 22.1 18.6 28.0





#19

1,1-Dichloroethane

Concen: 47.101 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

Instrument :

MSVOA\_U

ClientSampleId :

E1GN8MS

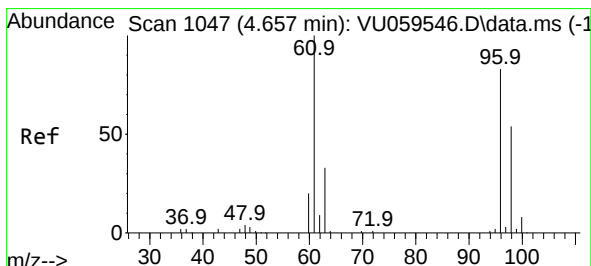
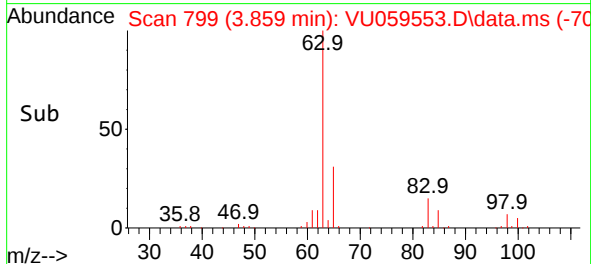
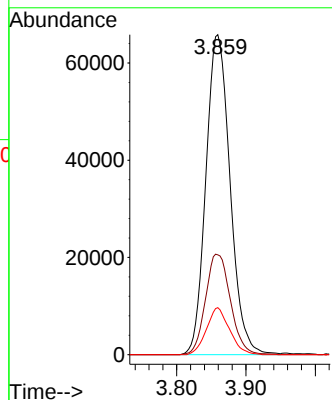
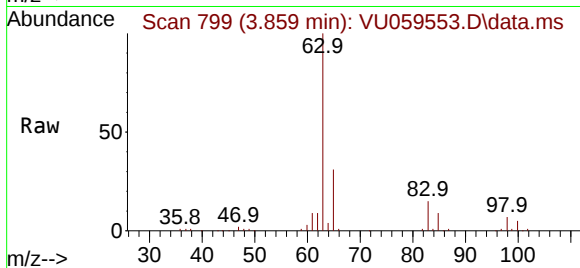
Tgt Ion: 63 Resp: 159702

Ion Ratio Lower Upper

63 100

65 31.2 21.3 39.5

83 14.7 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 53.203 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

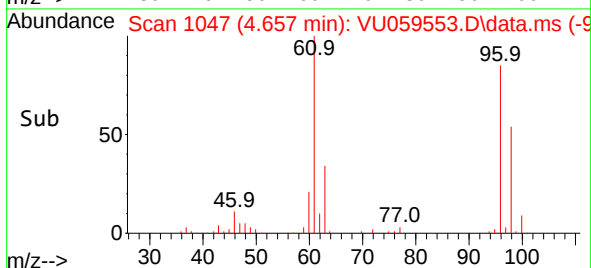
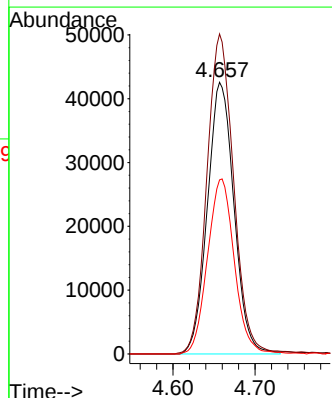
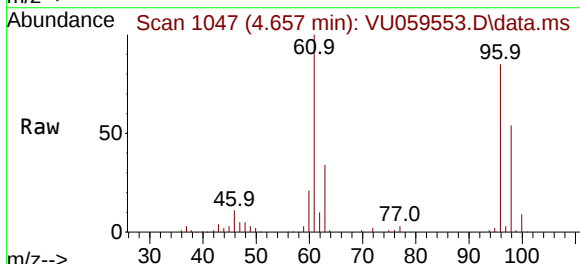
Tgt Ion: 96 Resp: 95901

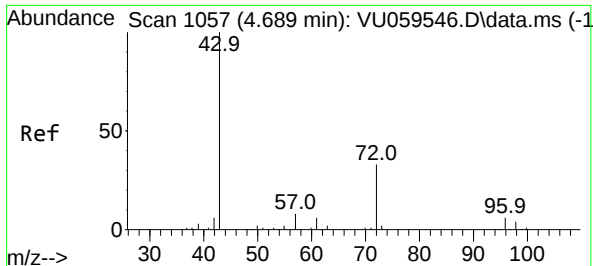
Ion Ratio Lower Upper

96 100

61 117.8 96.2 178.6

98 64.1 45.6 84.6

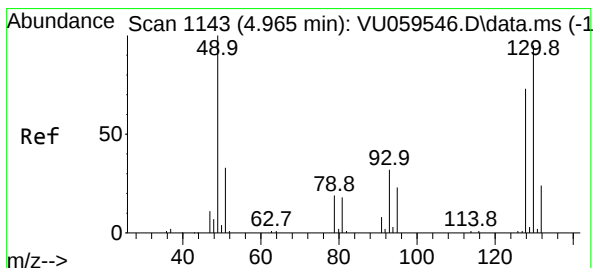
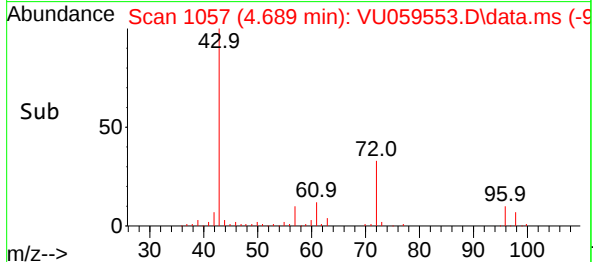
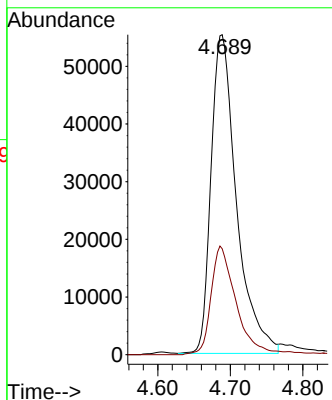
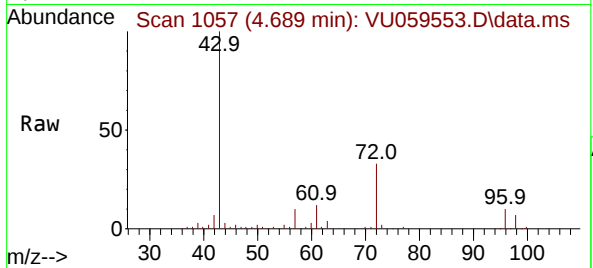




#22  
2-Butanone  
Concen: 80.910 ug/L  
RT: 4.689 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

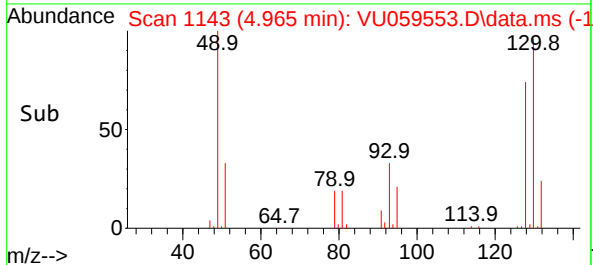
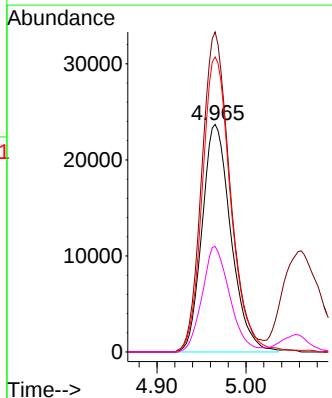
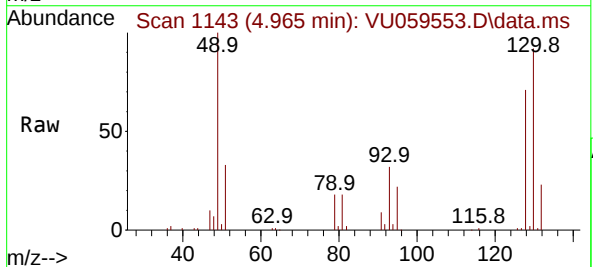
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

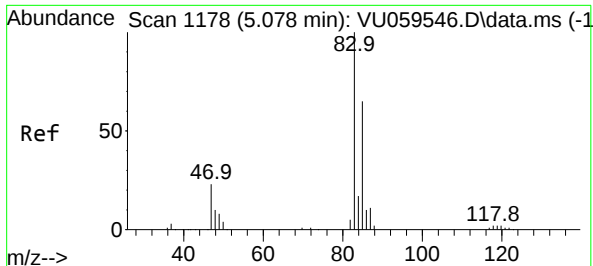
Tgt Ion: 43 Resp: 134776  
Ion Ratio Lower Upper  
43 100  
72 33.2 14.2 42.8



#23  
Bromochloromethane  
Concen: 58.232 ug/L  
RT: 4.965 min Scan# 1143  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion:128 Resp: 53169  
Ion Ratio Lower Upper  
128 100  
49 140.7 128.4 238.4  
130 129.7 86.9 161.3  
51 46.4 44.7 67.1





#25

Chloroform

Concen: 51.430 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

Instrument :

MSVOA\_U

ClientSampleId :

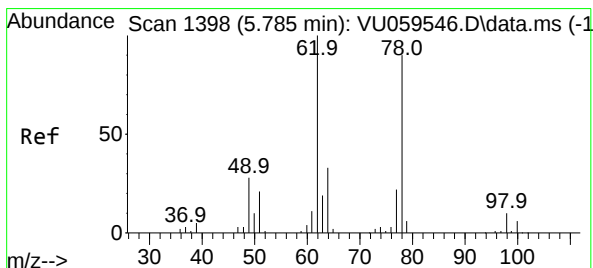
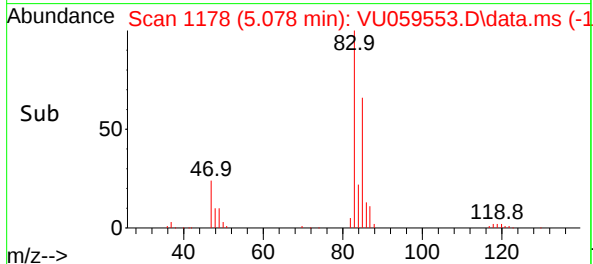
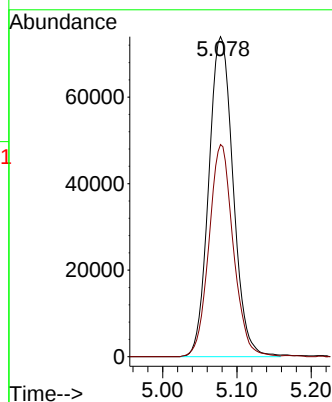
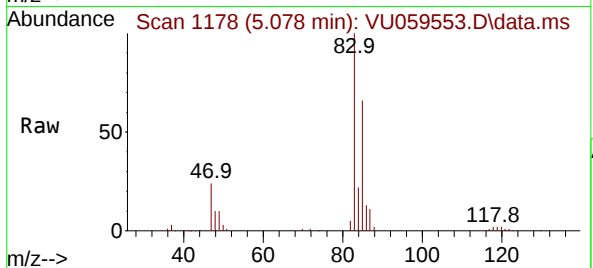
E1GN8MS

Tgt Ion: 83 Resp: 168851

Ion Ratio Lower Upper

83 100

85 66.3 46.1 85.7



#27

1,2-Dichloroethane

Concen: 46.403 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU059553.D

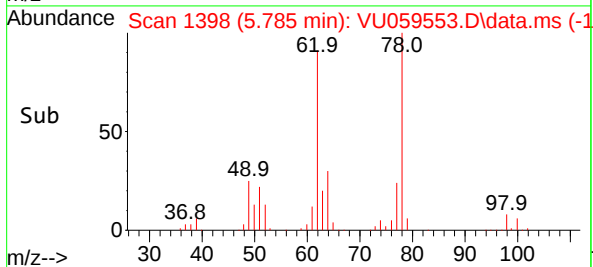
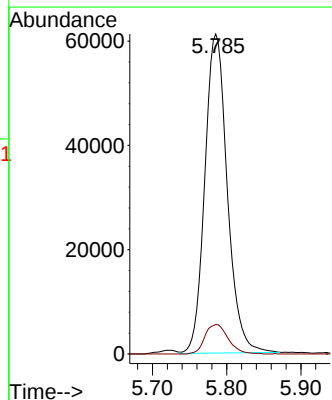
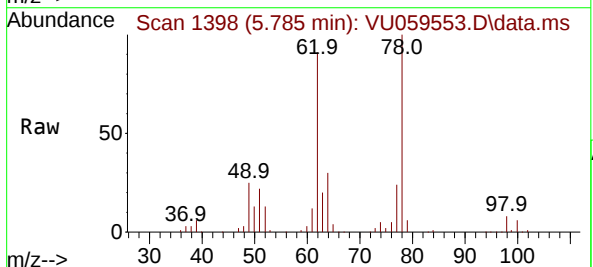
Acq: 27 Jun 2024 11:18

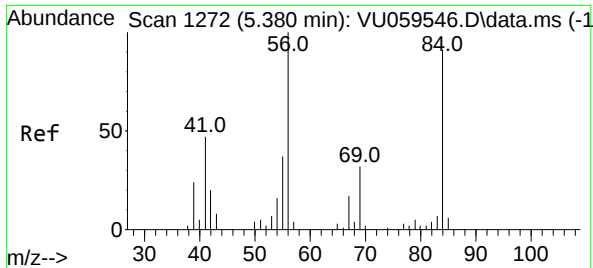
Tgt Ion: 62 Resp: 128700

Ion Ratio Lower Upper

62 100

98 9.2 6.9 10.3

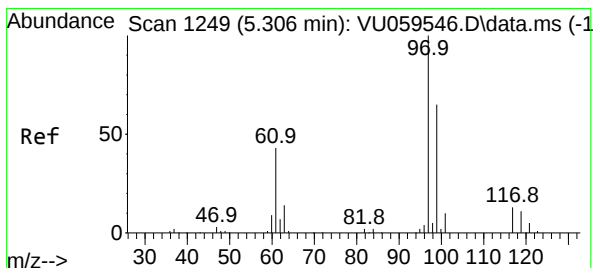
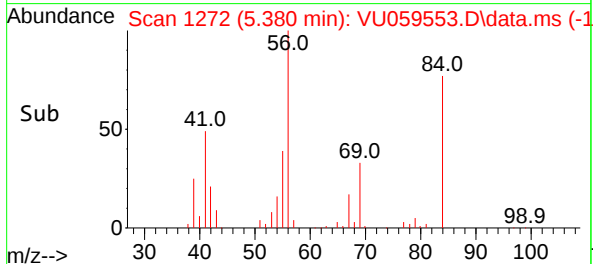
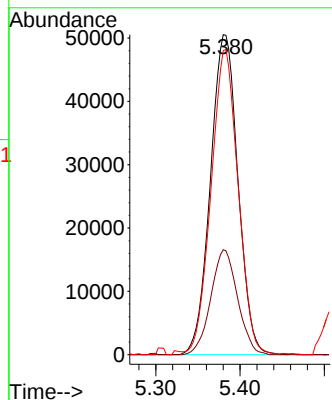
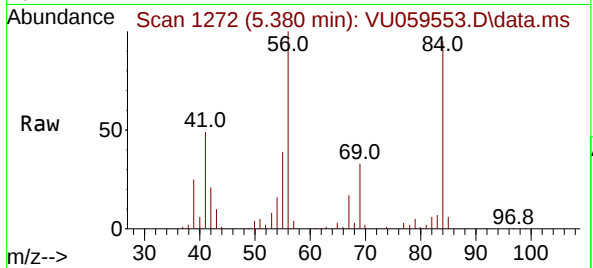




#29  
Cyclohexane  
Concen: 40.524 ug/L  
RT: 5.380 min Scan# 1272  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

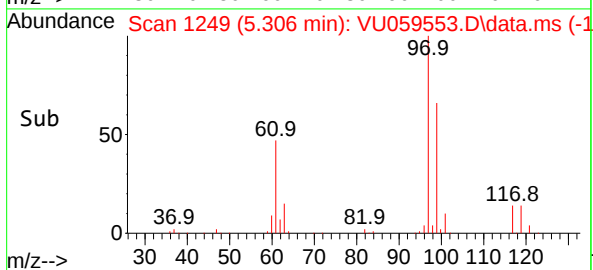
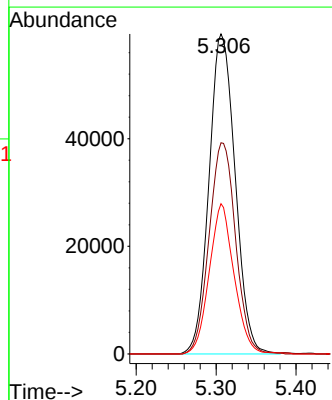
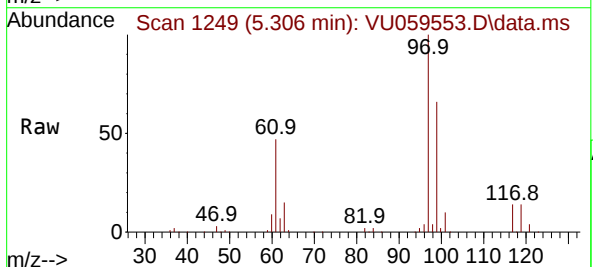
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

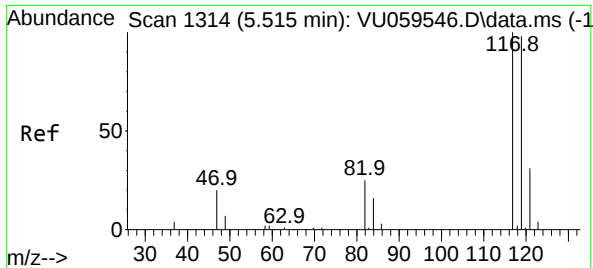
Tgt Ion: 56 Resp: 114563  
Ion Ratio Lower Upper  
56 100  
69 31.9 24.6 37.0  
84 93.8 67.4 101.0



#30  
1,1,1-Trichloroethane  
Concen: 49.184 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion: 97 Resp: 135416  
Ion Ratio Lower Upper  
97 100  
99 66.8 51.6 77.4  
61 44.3 39.1 58.7

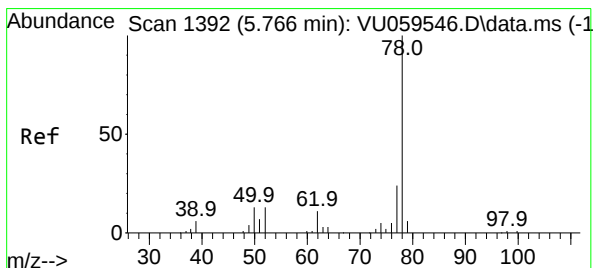
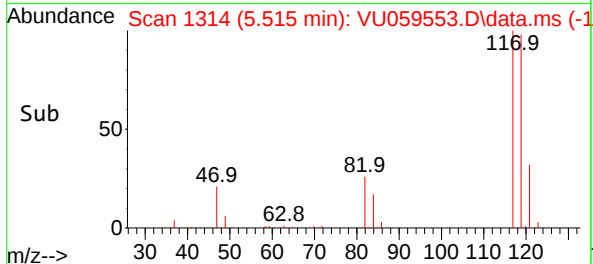
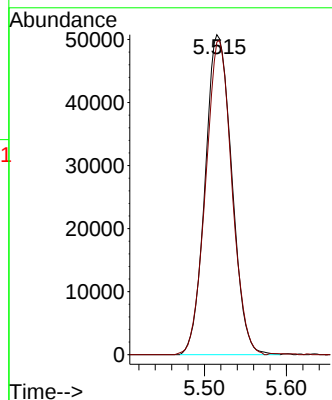
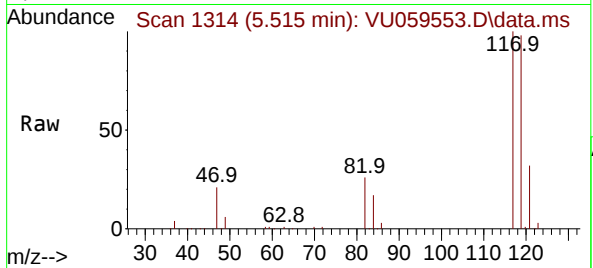




#31  
Carbon tetrachloride  
Concen: 51.218 ug/L  
RT: 5.515 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

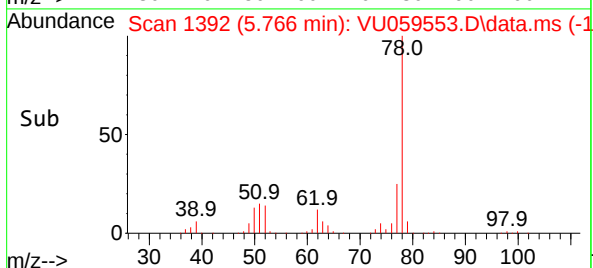
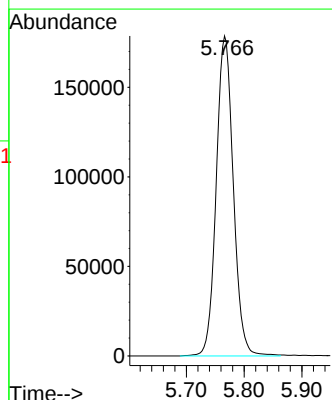
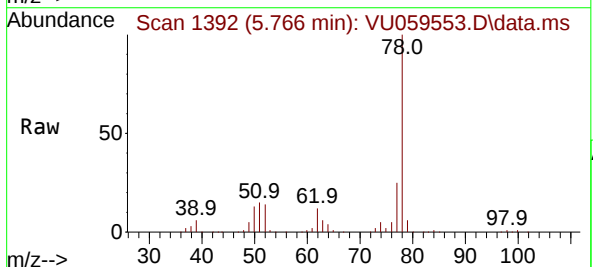
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

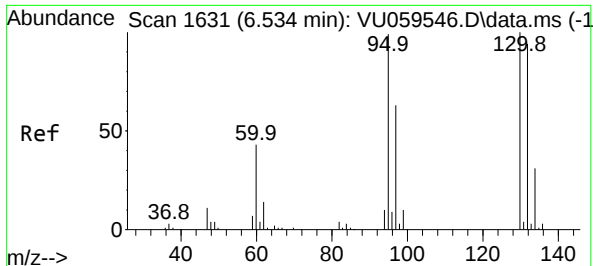
Tgt Ion:117 Resp: 114542  
Ion Ratio Lower Upper  
117 100  
119 96.7 76.9 115.3



#33  
Benzene  
Concen: 47.984 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion: 78 Resp: 366903

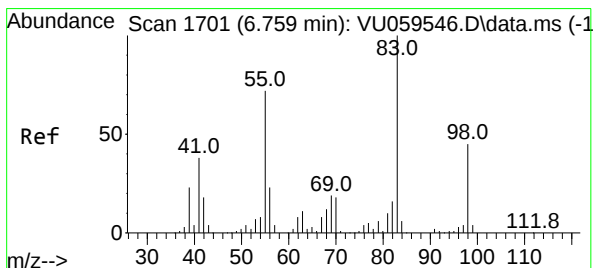
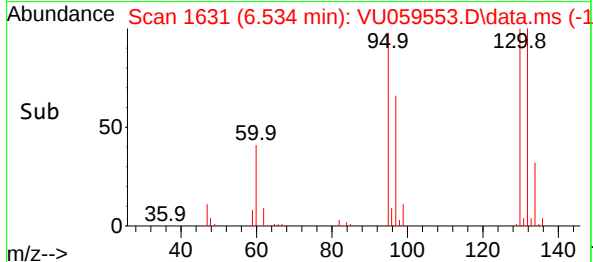
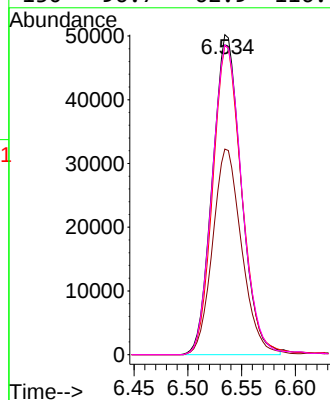
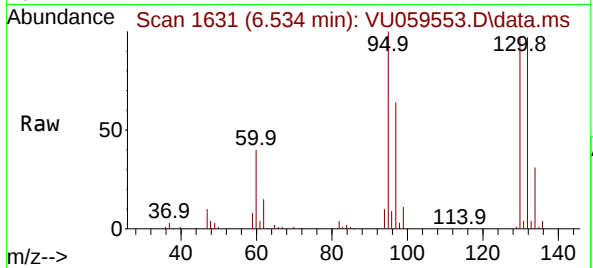




#34  
Trichloroethene  
Concen: 50.030 ug/L  
RT: 6.534 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

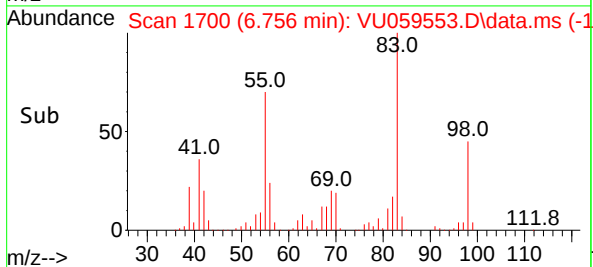
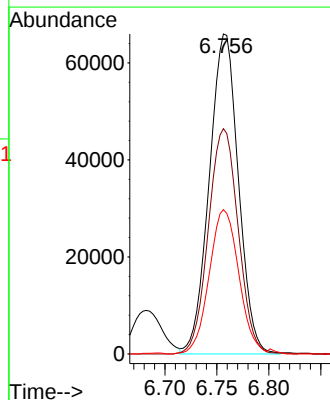
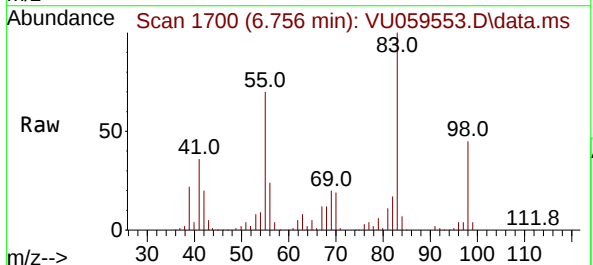
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

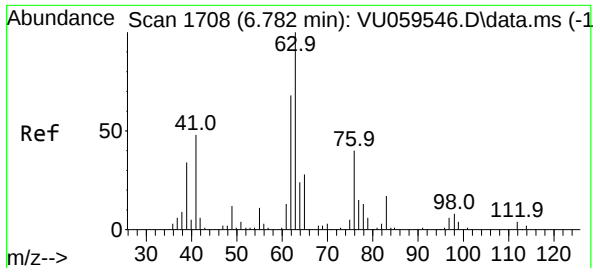
Tgt Ion: 95 Resp: 93671  
Ion Ratio Lower Upper  
95 100  
97 64.3 45.2 84.0  
132 96.5 60.6 112.6  
130 96.7 62.9 116.7



#35  
Methylcyclohexane  
Concen: 46.767 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion: 83 Resp: 128743  
Ion Ratio Lower Upper  
83 100  
55 72.1 63.9 95.9  
98 45.9 34.7 52.1

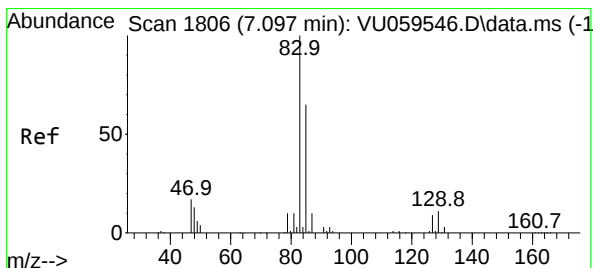
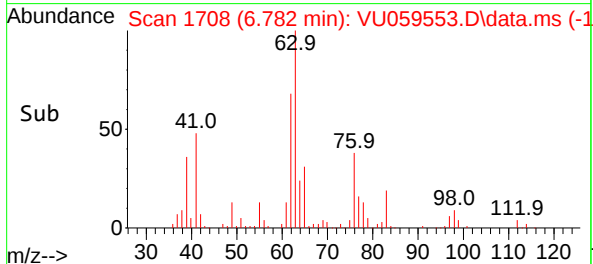
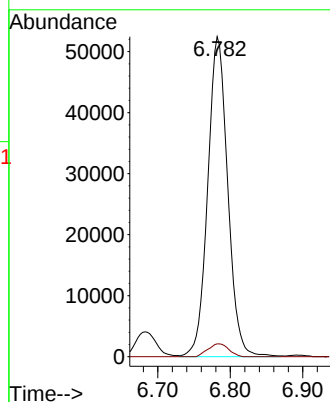
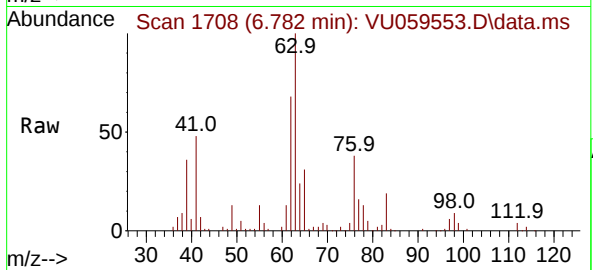




#37  
1,2-Dichloropropane  
Concen: 46.334 ug/L  
RT: 6.782 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

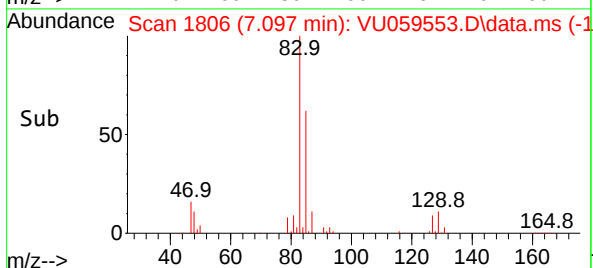
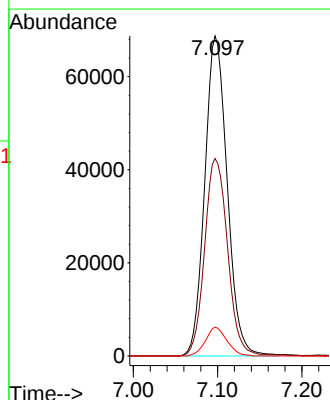
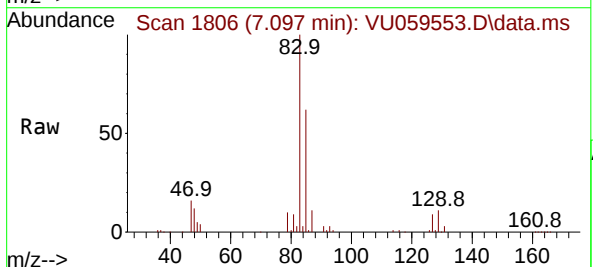
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

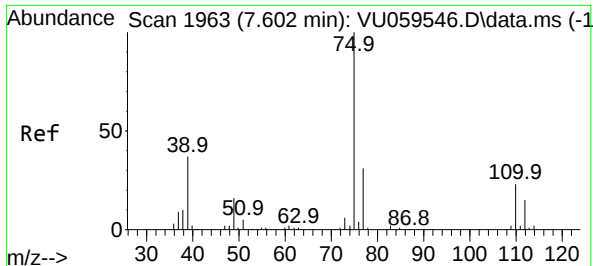
Tgt Ion: 63 Resp: 100603  
Ion Ratio Lower Upper  
63 100  
112 4.2 2.6 4.0#



#38  
Bromodichloromethane  
Concen: 50.440 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion: 83 Resp: 127572  
Ion Ratio Lower Upper  
83 100  
85 61.7 44.0 81.6  
127 9.0 7.0 10.6

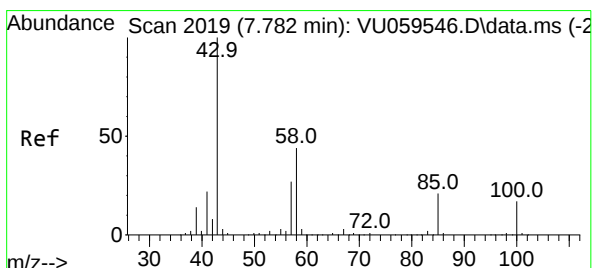
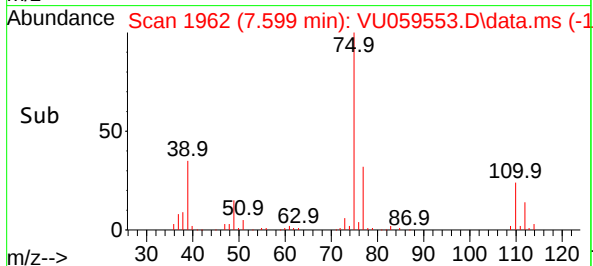
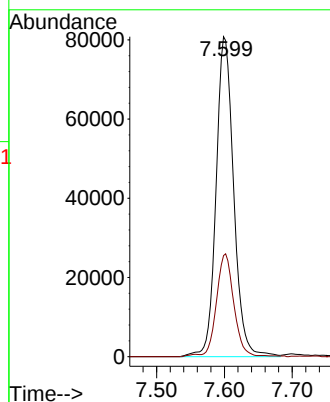
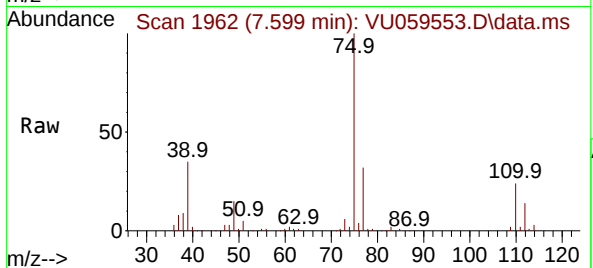




#39  
cis-1,3-Dichloropropene  
Concen: 48.626 ug/L  
RT: 7.599 min Scan# 1962  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

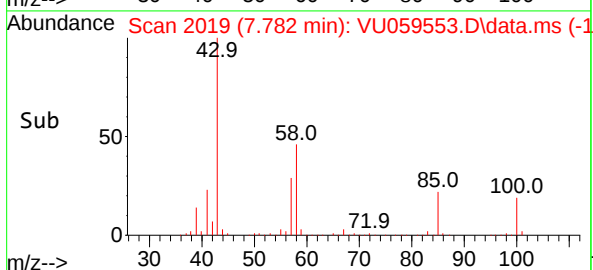
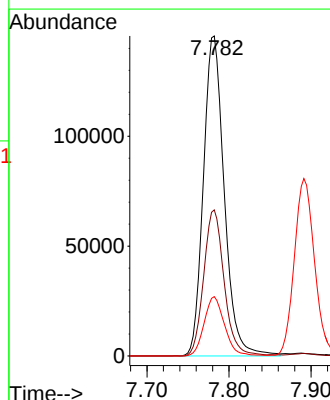
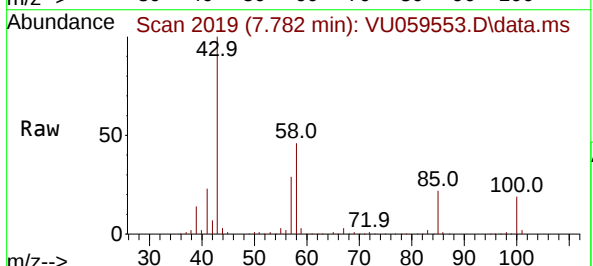
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

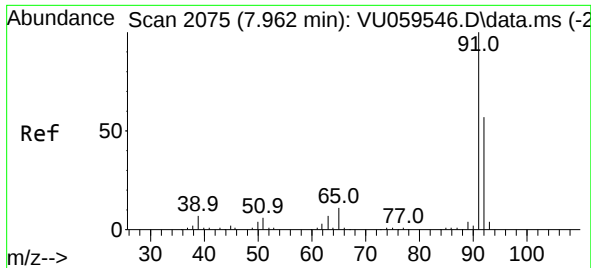
Tgt Ion: 75 Resp: 146080  
Ion Ratio Lower Upper  
75 100  
77 31.6 21.2 39.4



#40  
4-Methyl-2-pentanone  
Concen: 90.589 ug/L  
RT: 7.782 min Scan# 2019  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion: 43 Resp: 257864  
Ion Ratio Lower Upper  
43 100  
58 44.7 33.7 50.5  
100 18.1 11.4 17.0#





#42

Toluene

Concen: 52.087 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

Instrument :

MSVOA\_U

ClientSampleId :

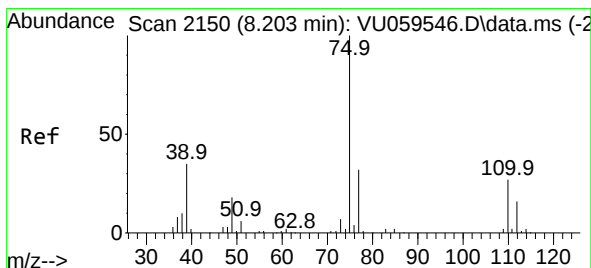
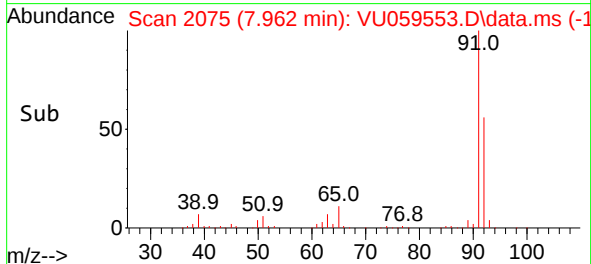
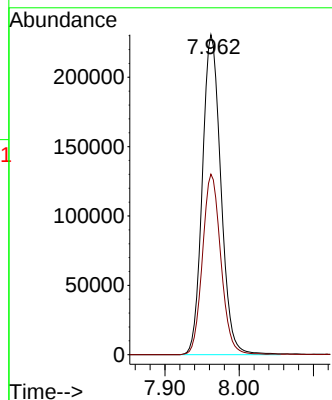
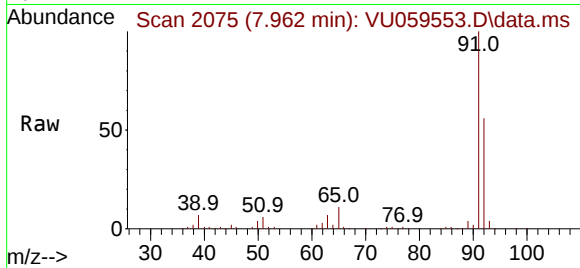
E1GN8MS

Tgt Ion: 91 Resp: 399782

Ion Ratio Lower Upper

91 100

92 56.4 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 50.054 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059553.D

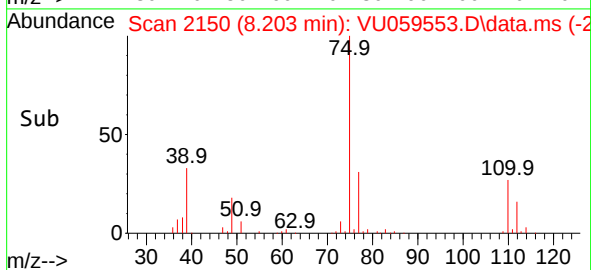
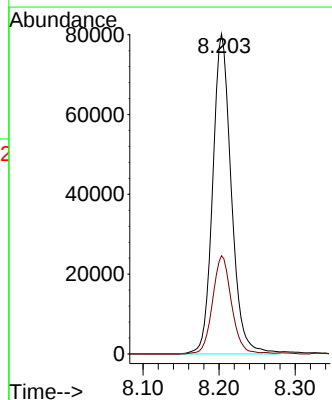
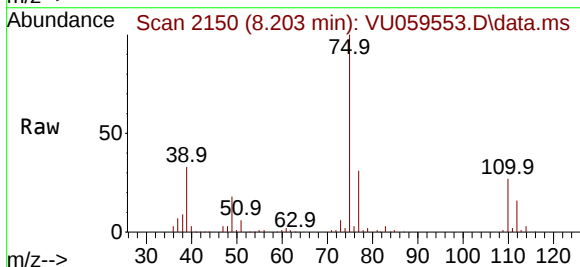
Acq: 27 Jun 2024 11:18

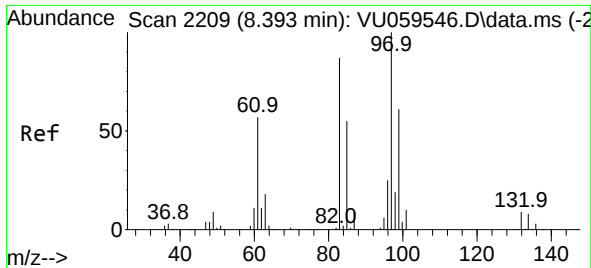
Tgt Ion: 75 Resp: 136131

Ion Ratio Lower Upper

75 100

77 30.7 22.0 40.8



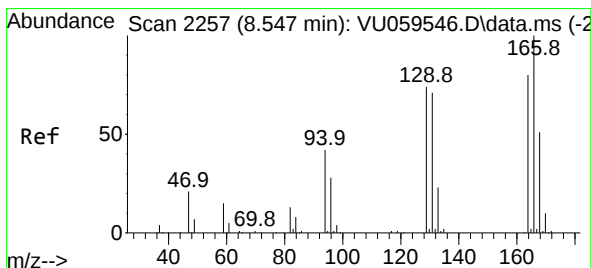
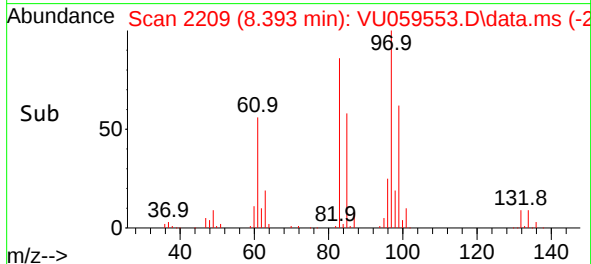
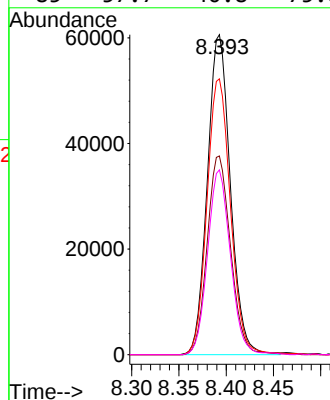
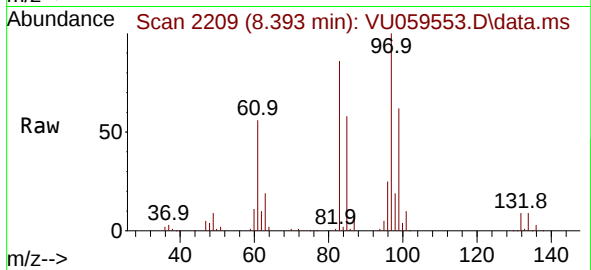


#45  
1,1,2-Trichloroethane  
Concen: 52.641 ug/L  
RT: 8.393 min Scan# 2209  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

Tgt Ion: 97 Resp: 102766

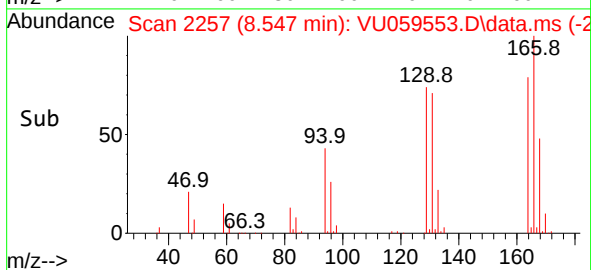
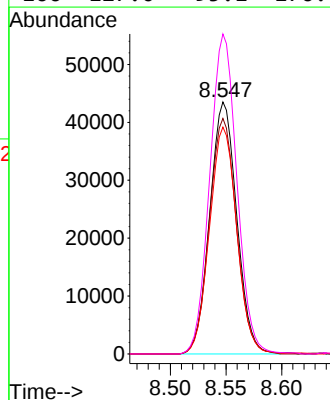
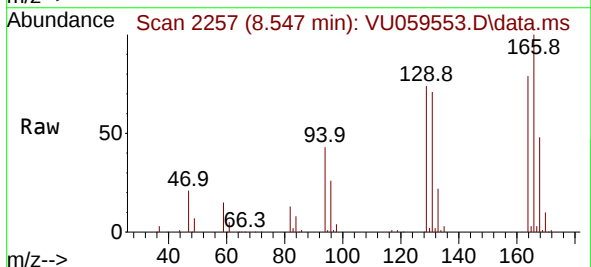
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.1  | 44.0  | 81.6  |
| 83  | 86.2  | 63.6  | 118.2 |
| 85  | 57.7  | 40.8  | 75.8  |

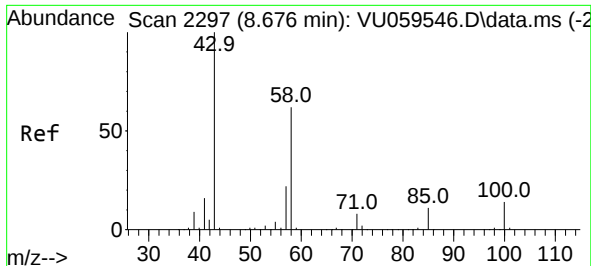


#46  
Tetrachloroethene  
Concen: 58.956 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion: 164 Resp: 73524

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 93.4  | 74.5  | 138.5 |
| 131 | 90.0  | 70.6  | 131.0 |
| 166 | 127.0 | 95.1  | 176.7 |

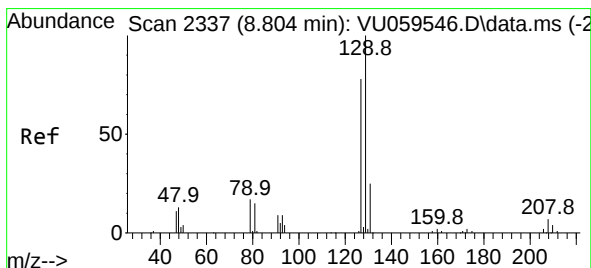
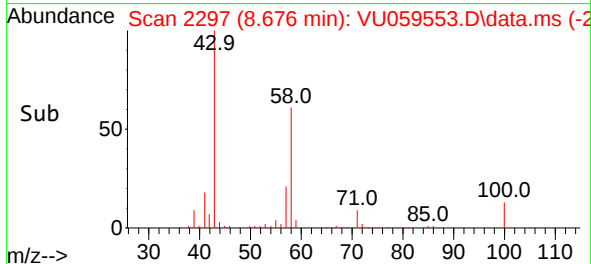
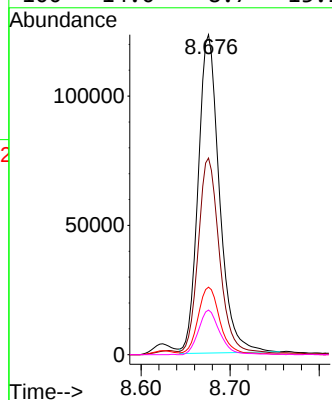
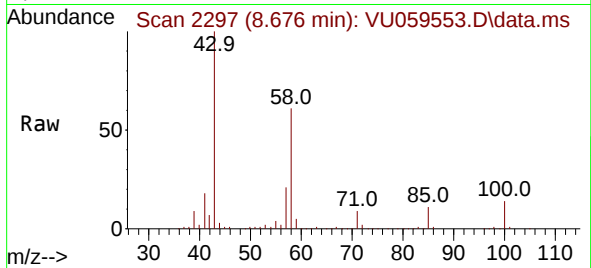




#48  
2-Hexanone  
Concen: 85.038 ug/L  
RT: 8.676 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

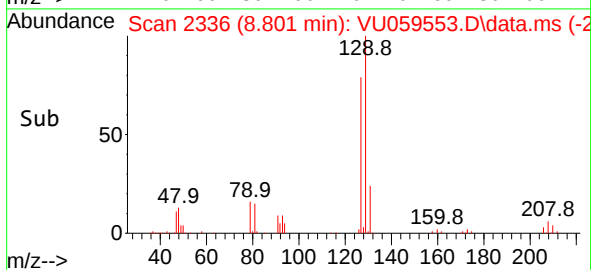
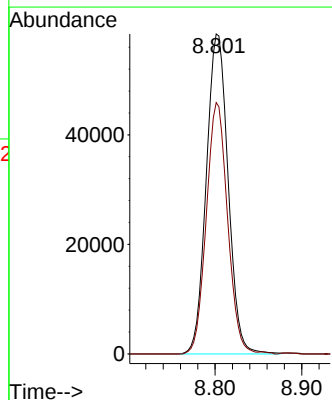
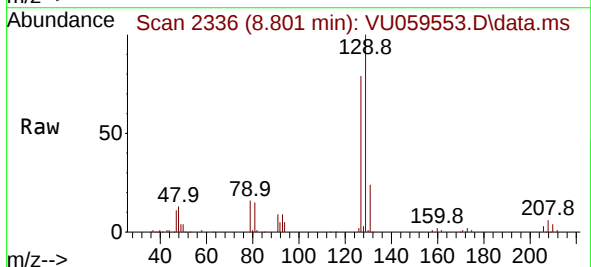
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

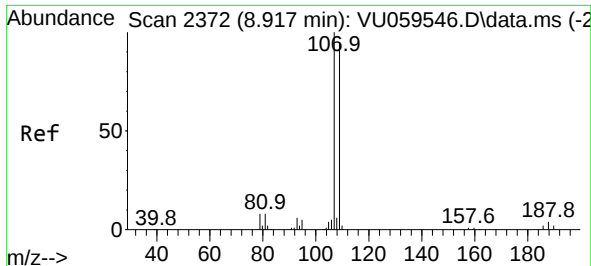
Tgt Ion: 43 Resp: 204153  
Ion Ratio Lower Upper  
43 100  
58 61.6 45.9 68.9  
57 21.1 16.3 24.5  
100 14.0 8.7 13.1#



#49  
Dibromochloromethane  
Concen: 57.981 ug/L  
RT: 8.801 min Scan# 2336  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion: 129 Resp: 102294  
Ion Ratio Lower Upper  
129 100  
127 78.6 53.3 98.9





#50

1,2-Dibromoethane

Concen: 53.155 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

Instrument :

MSVOA\_U

ClientSampleId :

E1GN8MS

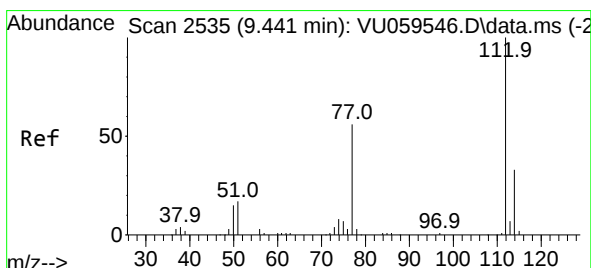
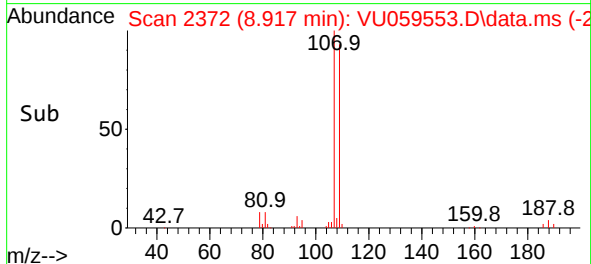
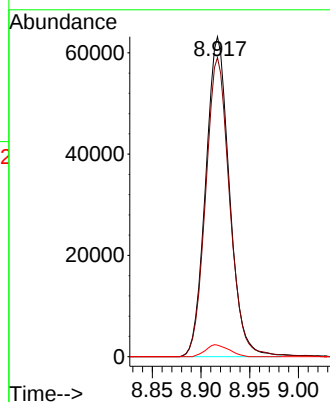
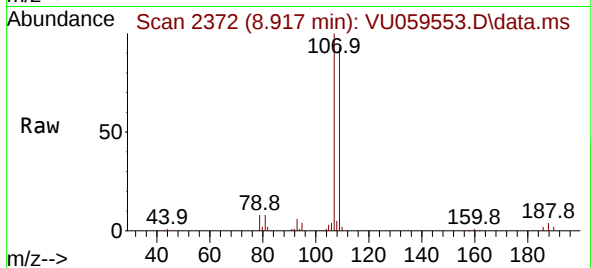
Tgt Ion:107 Resp: 107041

Ion Ratio Lower Upper

107 100

109 93.5 67.8 125.8

188 3.6 2.5 3.7



#51

Chlorobenzene

Concen: 53.351 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

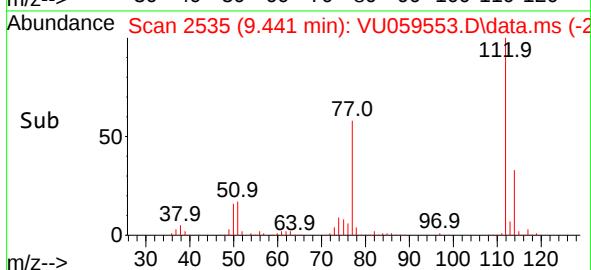
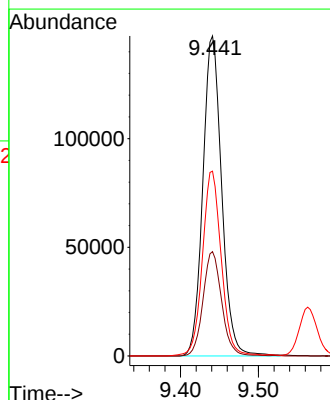
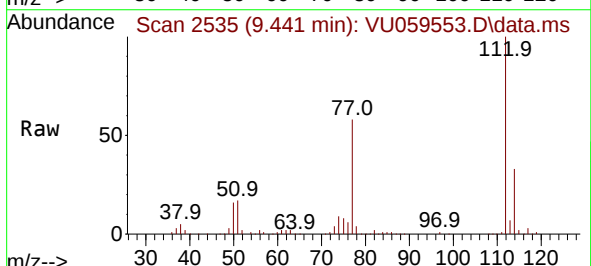
Tgt Ion:112 Resp: 247147

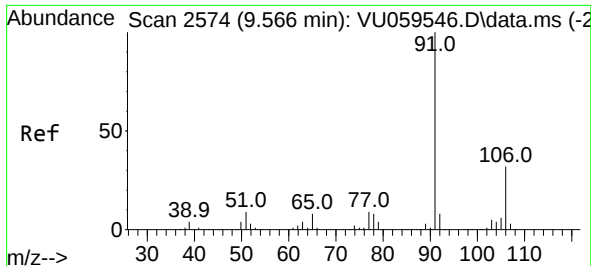
Ion Ratio Lower Upper

112 100

114 32.6 22.1 41.1

77 57.7 49.8 74.6

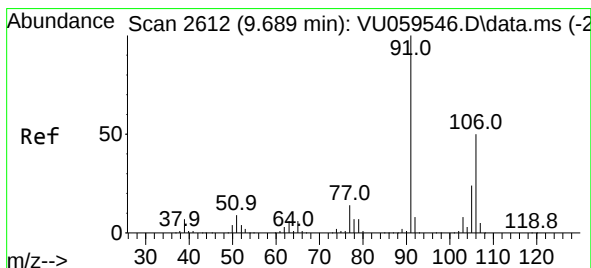
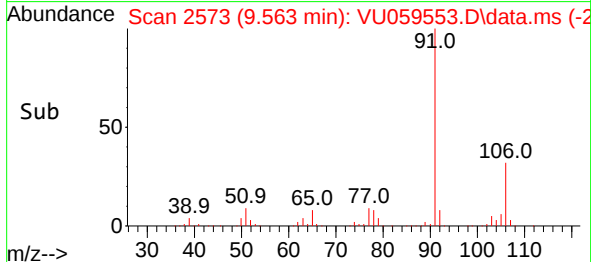
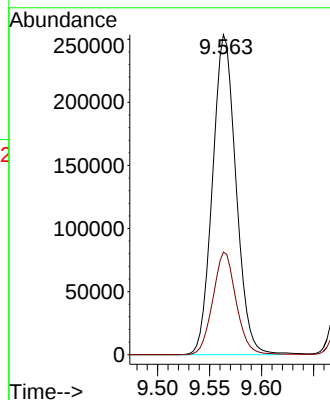
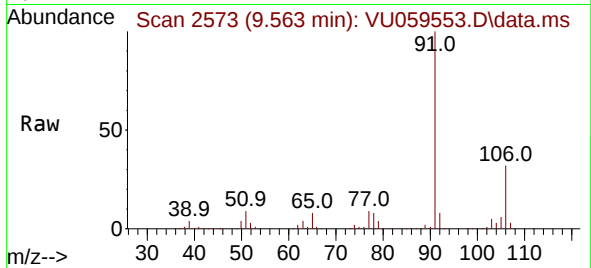




#52  
Ethylbenzene  
Concen: 50.339 ug/L  
RT: 9.563 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

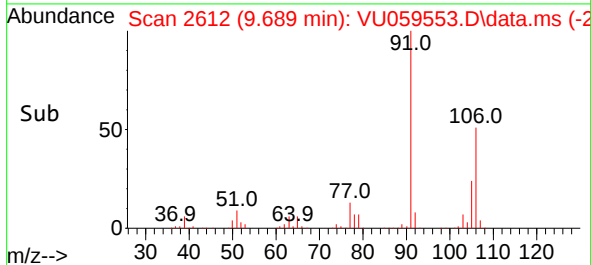
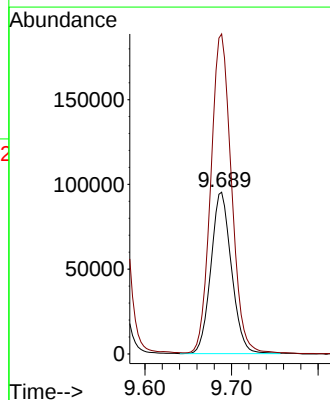
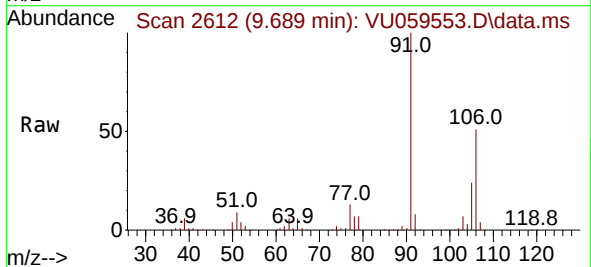
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

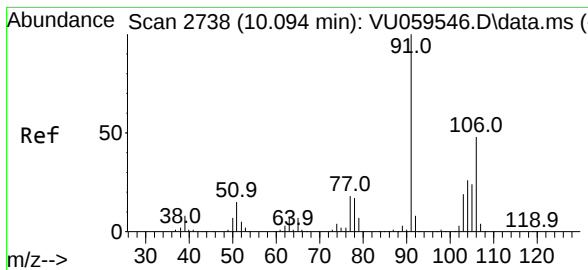
Tgt Ion: 91 Resp: 398320  
Ion Ratio Lower Upper  
91 100  
106 32.1 21.0 39.0



#53  
m,p-Xylene  
Concen: 53.900 ug/L  
RT: 9.689 min Scan# 2612  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion: 106 Resp: 156748  
Ion Ratio Lower Upper  
106 100  
91 197.9 146.4 272.0

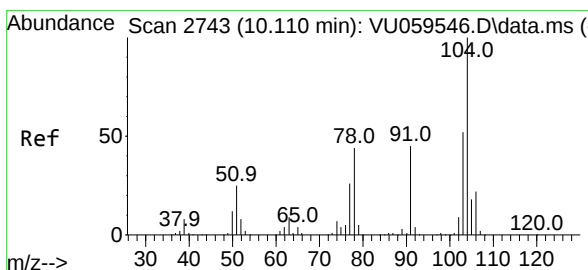
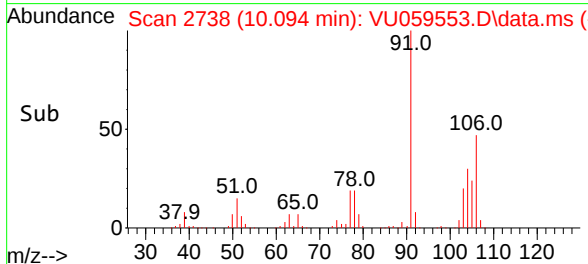
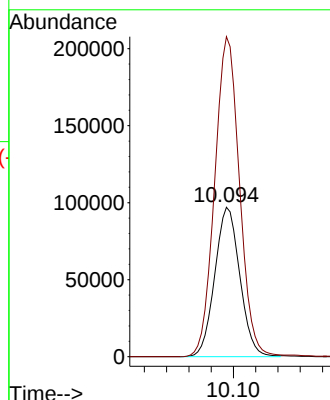
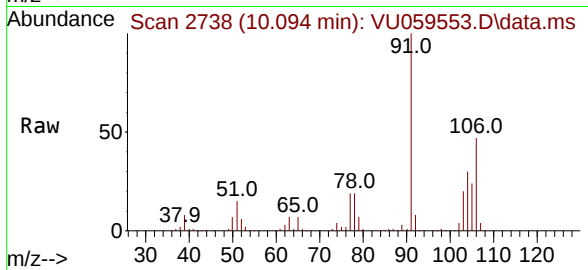




#54  
o-Xylene  
Concen: 53.711 ug/L  
RT: 10.094 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

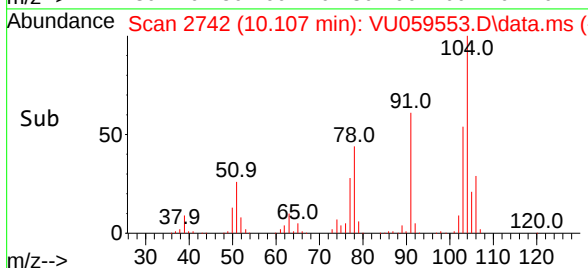
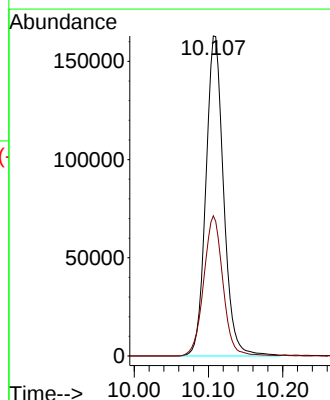
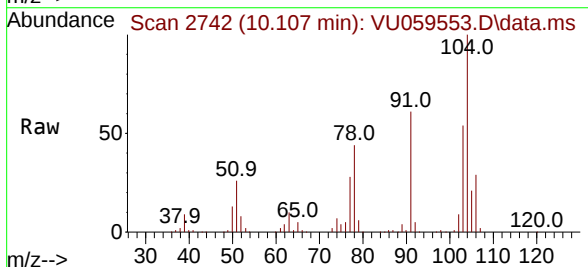
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

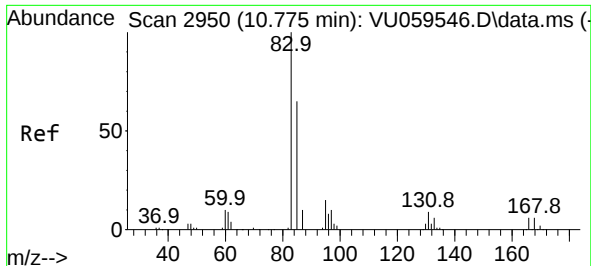
Tgt Ion:106 Resp: 151378  
Ion Ratio Lower Upper  
106 100  
91 214.1 156.7 290.9



#55  
Styrene  
Concen: 56.505 ug/L  
RT: 10.107 min Scan# 2742  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion:104 Resp: 270699  
Ion Ratio Lower Upper  
104 100  
78 43.8 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 50.138 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

Instrument :

MSVOA\_U

ClientSampleId :

E1GN8MS

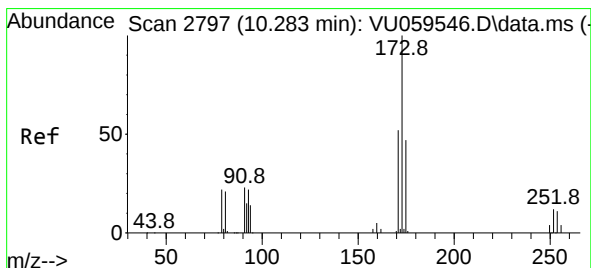
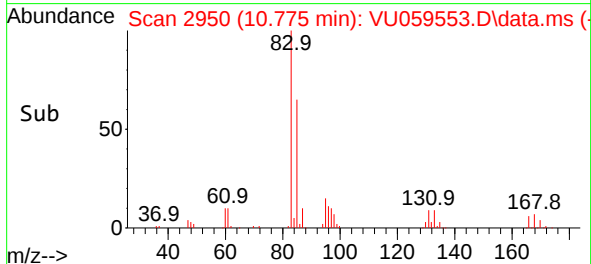
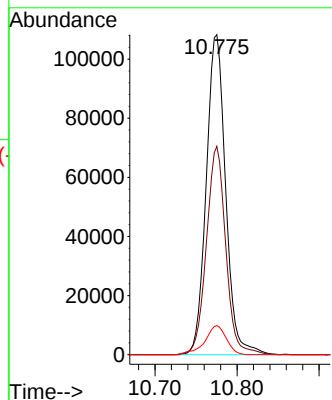
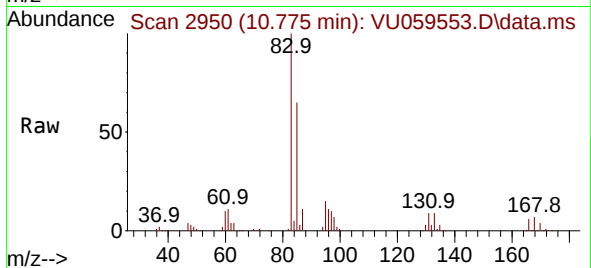
Tgt Ion: 83 Resp: 178304

Ion Ratio Lower Upper

83 100

85 65.1 46.1 85.7

131 9.1 7.0 10.4



#59

Bromoform

Concen: 57.351 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

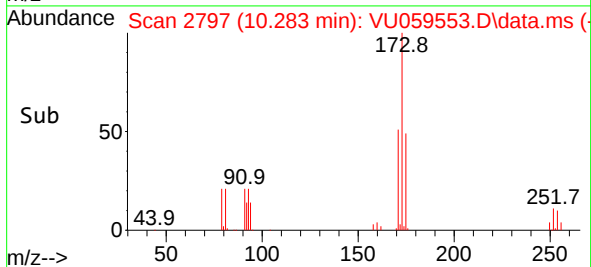
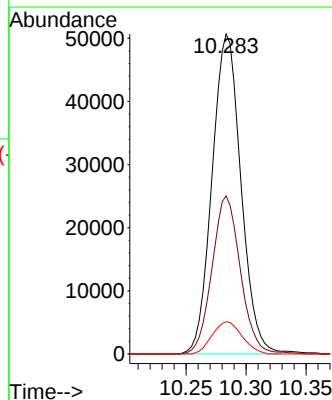
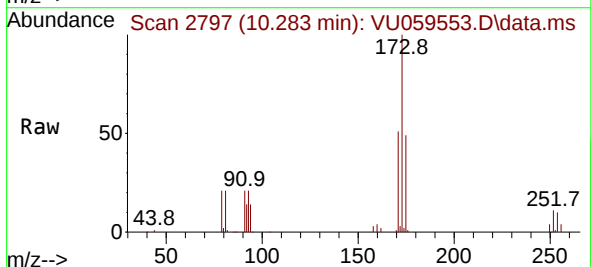
Tgt Ion:173 Resp: 84712

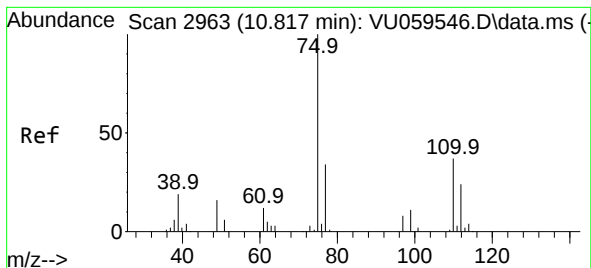
Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.6

254 10.4 7.5 11.3





#60

1,2,3-Trichloropropane

Concen: 43.365 ug/L

RT: 10.814 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

Instrument :

MSVOA\_U

ClientSampleId :

E1GN8MS

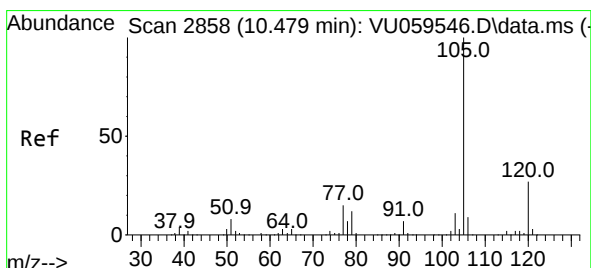
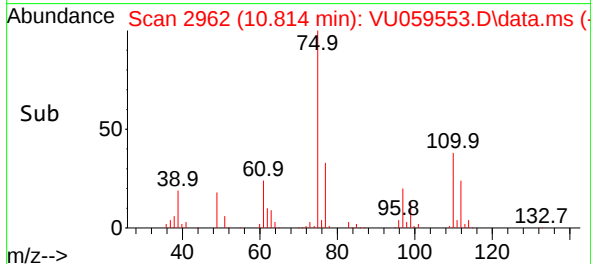
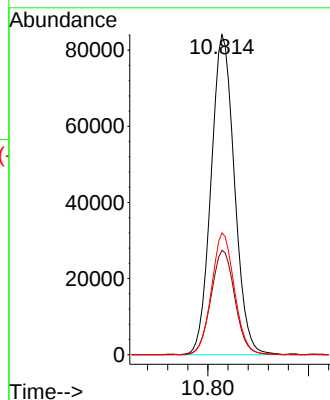
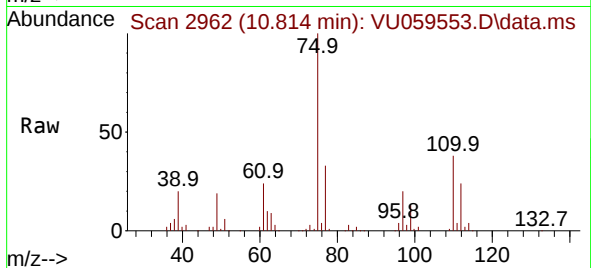
Tgt Ion: 75 Resp: 135854

Ion Ratio Lower Upper

75 100

77 33.3 26.2 39.2

110 37.2 28.4 42.6



#61

Isopropylbenzene

Concen: 49.485 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

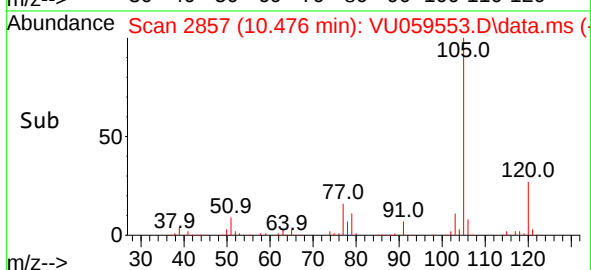
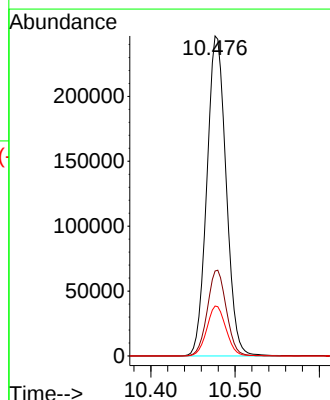
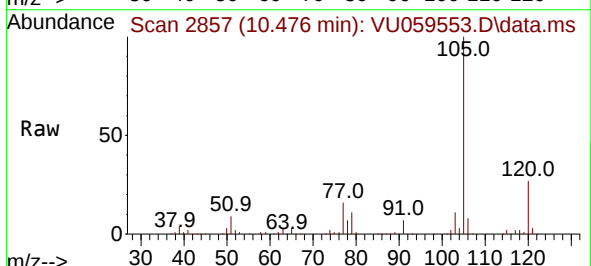
Tgt Ion: 105 Resp: 392199

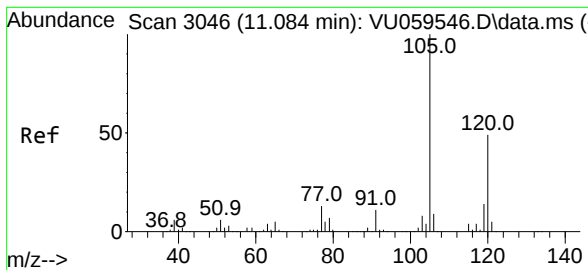
Ion Ratio Lower Upper

105 100

120 26.5 20.3 30.5

77 15.6 13.4 20.0

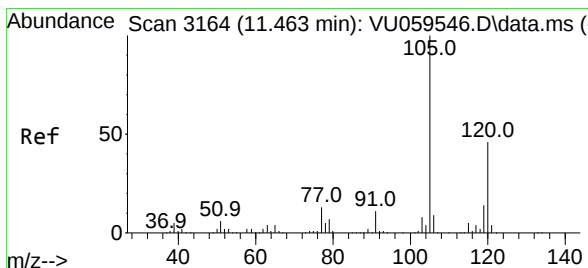
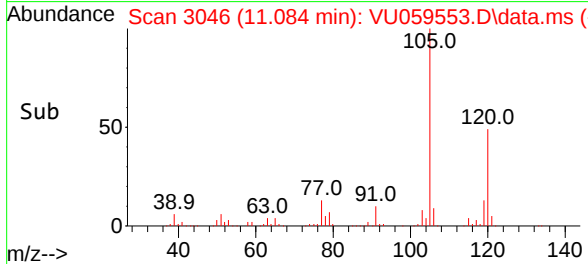
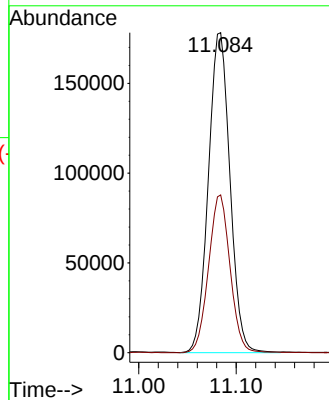
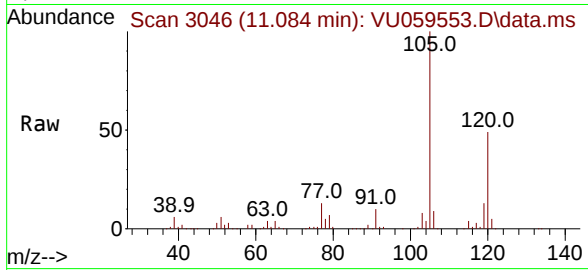




#62  
1,3,5-Trimethylbenzene  
Concen: 47.741 ug/L  
RT: 11.084 min Scan# 3046  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

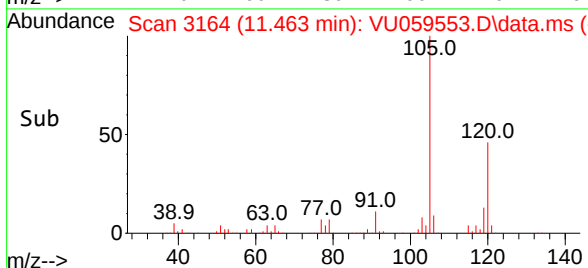
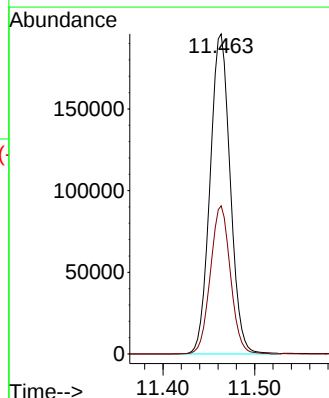
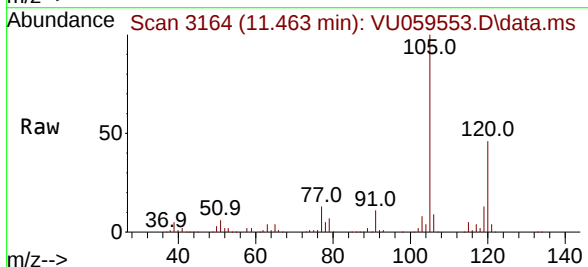
Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS

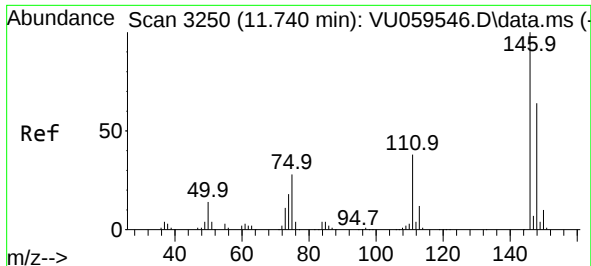
Tgt Ion:105 Resp: 274143  
Ion Ratio Lower Upper  
105 100  
120 49.1 37.8 56.8



#63  
1,2,4-Trimethylbenzene  
Concen: 48.126 ug/L  
RT: 11.463 min Scan# 3164  
Delta R.T. 0.000 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion:105 Resp: 299580  
Ion Ratio Lower Upper  
105 100  
120 45.9 35.0 52.6

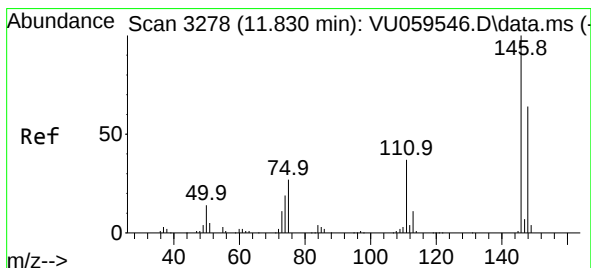
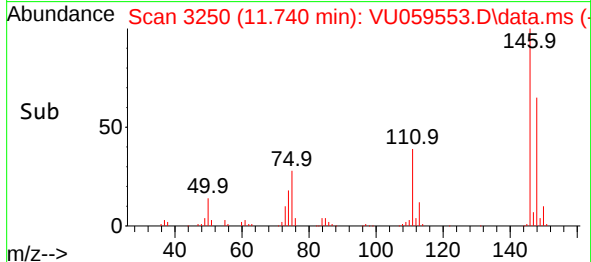
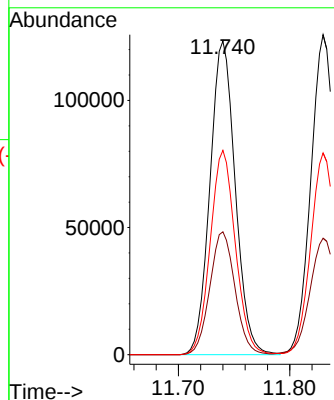
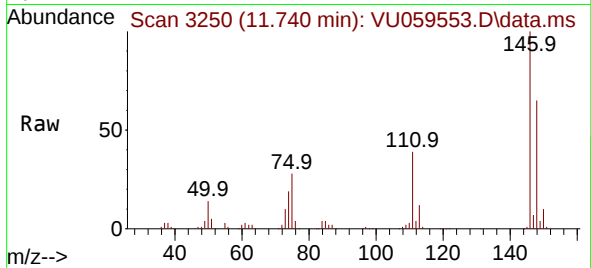




#64  
 1,3-Dichlorobenzene  
 Concen: 52.532 ug/L  
 RT: 11.740 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU059553.D  
 Acq: 27 Jun 2024 11:18

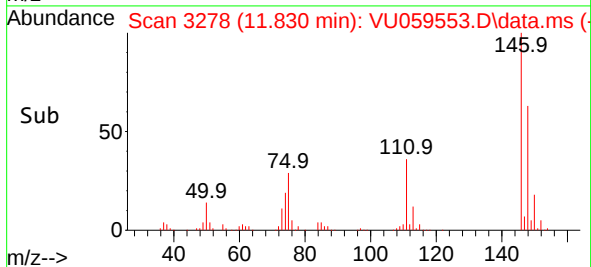
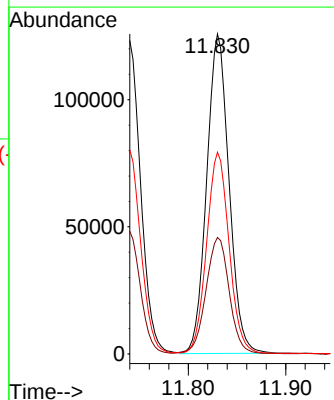
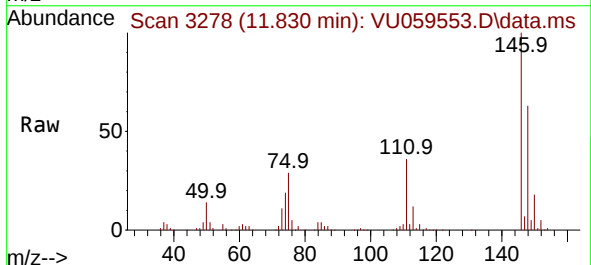
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E1GN8MS

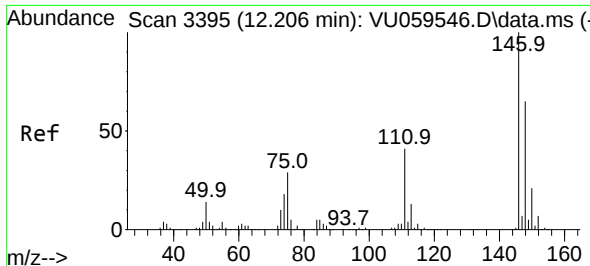
Tgt Ion:146 Resp: 194589  
 Ion Ratio Lower Upper  
 146 100  
 111 39.2 28.7 53.3  
 148 65.1 44.9 83.5



#65  
 1,4-Dichlorobenzene  
 Concen: 52.185 ug/L  
 RT: 11.830 min Scan# 3278  
 Delta R.T. 0.000 min  
 Lab File: VU059553.D  
 Acq: 27 Jun 2024 11:18

Tgt Ion:146 Resp: 199637  
 Ion Ratio Lower Upper  
 146 100  
 111 36.4 27.9 51.9  
 148 63.0 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 50.612 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

Instrument :

MSVOA\_U

ClientSampleId :

E1GN8MS

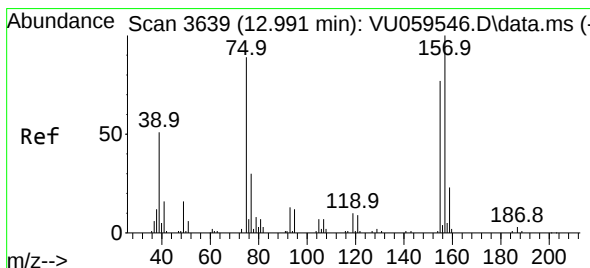
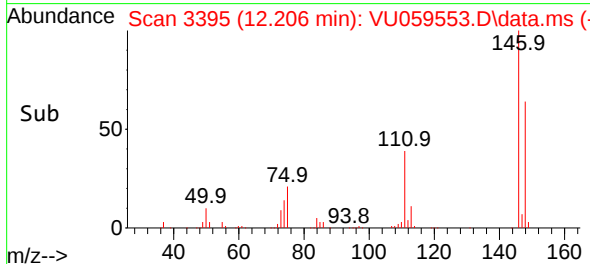
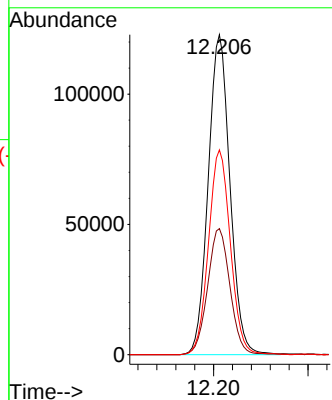
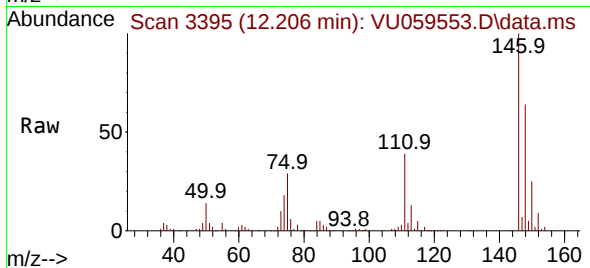
Tgt Ion:146 Resp: 195948

Ion Ratio Lower Upper

146 100

111 39.4 33.4 50.2

148 64.0 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 48.335 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU059553.D

Acq: 27 Jun 2024 11:18

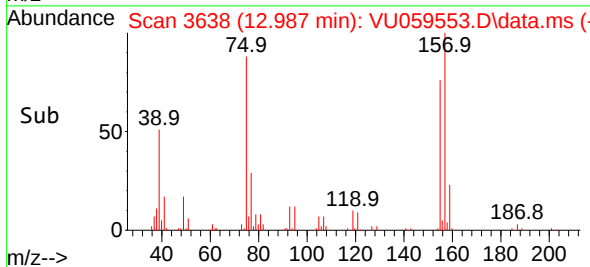
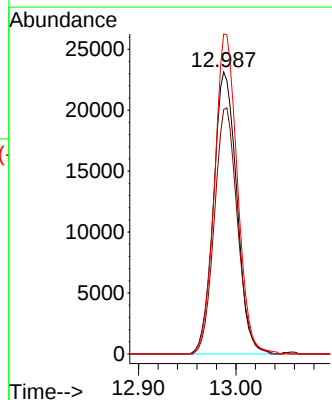
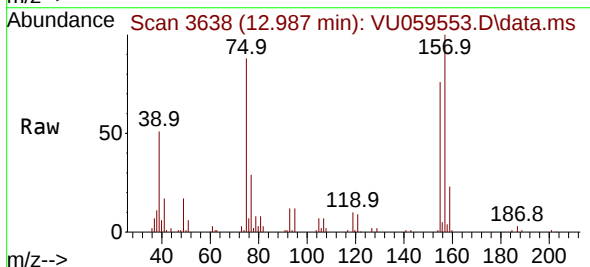
Tgt Ion: 75 Resp: 38388

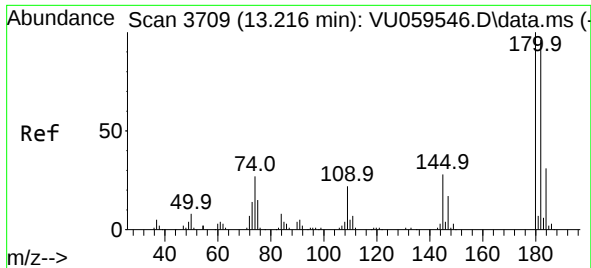
Ion Ratio Lower Upper

75 100

155 91.9 57.5 86.3#

157 118.2 73.4 110.2#

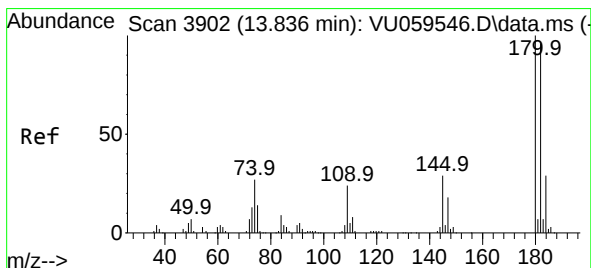
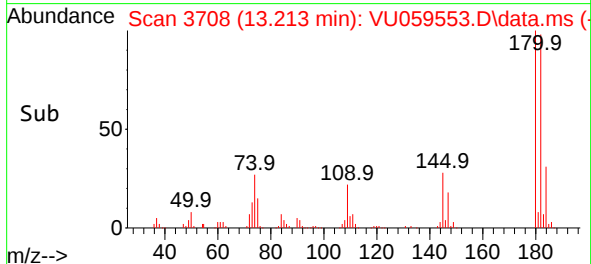
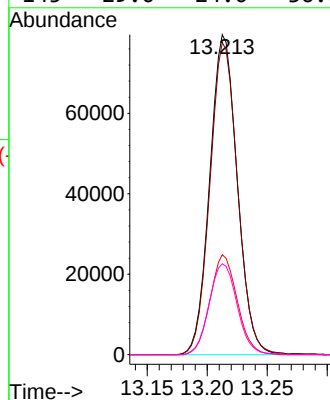
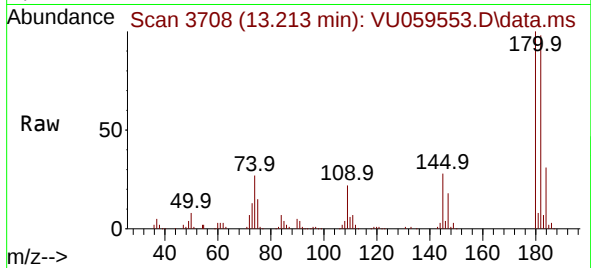




#69  
 1,3,5-Trichlorobenzene  
 Concen: 51.755 ug/L  
 RT: 13.213 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: VU059553.D  
 Acq: 27 Jun 2024 11:18

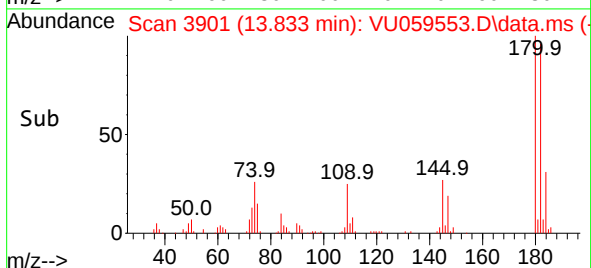
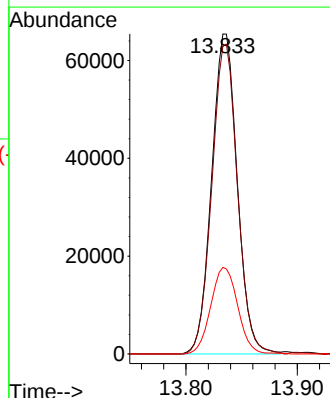
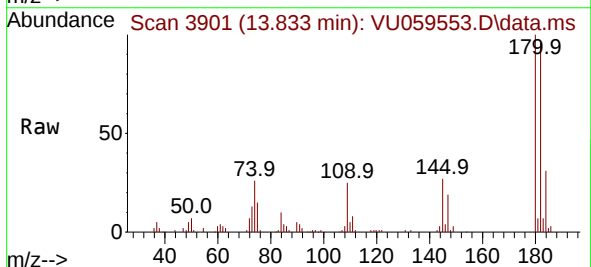
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E1GN8MS

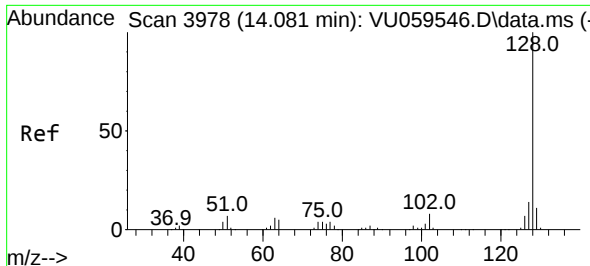
Tgt Ion:180 Resp: 126612  
 Ion Ratio Lower Upper  
 180 100  
 182 98.1 75.6 113.4  
 184 30.8 24.2 36.2  
 145 29.0 24.0 36.0



#70  
 1,2,4-trichlorobenzene  
 Concen: 53.577 ug/L  
 RT: 13.833 min Scan# 3901  
 Delta R.T. -0.003 min  
 Lab File: VU059553.D  
 Acq: 27 Jun 2024 11:18

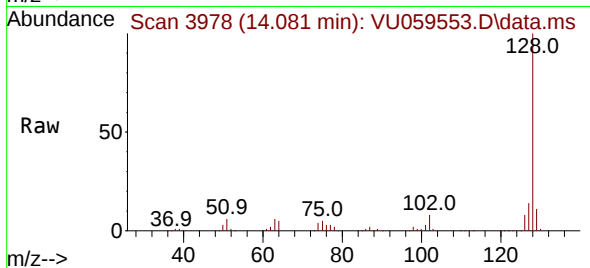
Tgt Ion:180 Resp: 104684  
 Ion Ratio Lower Upper  
 180 100  
 182 96.5 77.4 116.2  
 145 28.2 24.8 37.2



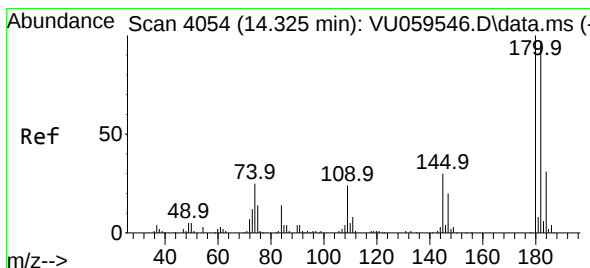
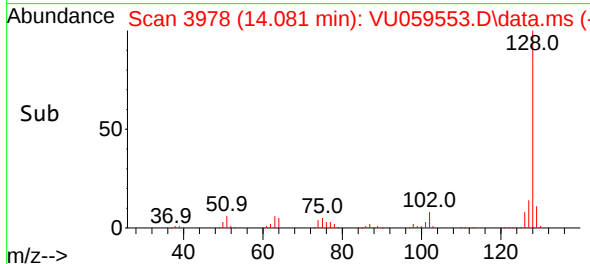
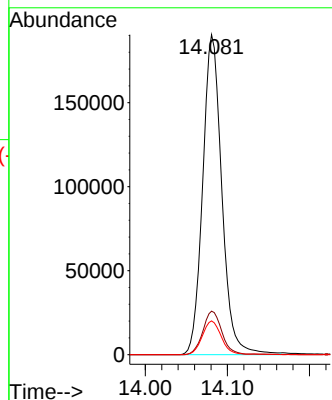


#71  
Naphthalene  
Concen: 50.003 ug/L  
RT: 14.081 min Scan# 3978  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
E1GN8MS



Tgt Ion:128 Resp: 309250  
Ion Ratio Lower Upper  
128 100  
127 13.7 10.4 15.6  
129 10.5 8.5 12.7



#72  
1,2,3-Trichlorobenzene  
Concen: 58.201 ug/L  
RT: 14.322 min Scan# 4053  
Delta R.T. -0.003 min  
Lab File: VU059553.D  
Acq: 27 Jun 2024 11:18

Tgt Ion:180 Resp: 115613  
Ion Ratio Lower Upper  
180 100  
182 96.3 76.2 114.4  
145 31.5 26.4 39.6

