

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU053024\  
 Data File : VU059100.D  
 Acq On : 30 May 2024 17:30  
 Operator : MD/SY  
 Sample : P2586-07MEMSD  
 Misc : 2.99g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 31 03:24:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 31 03:18:55 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene     | 6.238  | 114  | 223742   | 50.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.412  | 117  | 227678   | 50.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.807 | 152  | 122852   | 50.000 | ug/L  | 0.00     |

|                               |         |       |          |          |      |          |
|-------------------------------|---------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |         |       |          |          |      |          |
| 4) Vinyl Chloride-d3          | 1.592   | 65    | 59427    | 44.360   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =    | 88.720%  |
| 7) Chloroethane-d5            | 1.872   | 69    | 51823    | 45.159   | ug/L | -0.04    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =    | 90.320%  |
| 11) 1,1-Dichloroethene-d2     | 2.547   | 63    | 121519   | 45.956   | ug/L | -0.02    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =    | 91.920%  |
| 21) 2-Butanone-d5             | 4.618   | 46    | 114818   | 90.931   | ug/L | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =    | 90.930%  |
| 24) Chloroform-d              | 5.052   | 84    | 126527   | 47.444   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =    | 94.880%  |
| 26) 1,2-Dichloroethane-d4     | 5.692   | 65    | 80839    | 49.457   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =    | 98.920%  |
| 32) Benzene-d6                | 5.714   | 84    | 240973   | 46.114   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =    | 92.220%  |
| 36) 1,2-Dichloropropane-d6    | 6.682   | 67    | 81359    | 45.155   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =    | 90.320%  |
| 41) Toluene-d8                | 7.891   | 98    | 215187   | 48.509   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =    | 97.020%  |
| 43) trans-1,3-Dichloroprop... | 8.174   | 79    | 37093    | 50.931   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =    | 101.860% |
| 47) 2-Hexanone-d5             | 8.634   | 63    | 78118    | 93.758   | ug/L | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =    | 93.760%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753  | 84    | 140298   | 46.009   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =    | 92.020%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190  | 152   | 83817    | 45.718   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =    | 91.440%  |

|                               |       |     |        |        |        |     |
|-------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds              |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane    | 1.377 | 85  | 94151  | 41.531 | ug/L   | 99  |
| 3) Chloromethane              | 1.515 | 50  | 116217 | 44.357 | ug/L   | 98  |
| 5) Vinyl chloride             | 1.599 | 62  | 113531 | 44.098 | ug/L   | 98  |
| 6) Bromomethane               | 1.824 | 94  | 85574  | 41.547 | ug/L   | 98  |
| 8) Chloroethane               | 1.891 | 64  | 62192  | 38.738 | ug/L   | 100 |
| 9) Trichlorofluoromethane     | 2.100 | 101 | 126812 | 42.329 | ug/L   | 99  |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.554 | 101 | 72904  | 41.825 | ug/L   | 98  |
| 12) 1,1-Dichloroethene        | 2.557 | 96  | 70941  | 44.872 | ug/L   | 96  |
| 13) Acetone                   | 2.624 | 43  | 105712 | 71.226 | ug/L   | 100 |
| 14) Carbon disulfide          | 2.769 | 76  | 238760 | 44.842 | ug/L   | 100 |
| 15) Methyl Acetate            | 2.939 | 43  | 135169 | 57.495 | ug/L   | 96  |
| 16) Methylene chloride        | 3.026 | 84  | 94338  | 44.101 | ug/L   | 97  |
| 17) trans-1,2-Dichloroethene  | 3.335 | 96  | 77937  | 45.674 | ug/L   | 97  |
| 18) Methyl tert-butyl Ether   | 3.354 | 73  | 254121 | 45.847 | ug/L   | 100 |
| 19) 1,1-Dichloroethane        | 3.849 | 63  | 163015 | 44.569 | ug/L   | 98  |
| 20) cis-1,2-Dichloroethene    | 4.650 | 96  | 88406  | 45.465 | ug/L   | 98  |
| 22) 2-Butanone                | 4.698 | 43  | 140083 | 77.959 | ug/L   | 100 |
| 23) Bromochloromethane        | 4.962 | 128 | 44320  | 44.998 | ug/L   | 99  |
| 25) Chloroform                | 5.074 | 83  | 162280 | 45.822 | ug/L   | 96  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU053024\  
 Data File : VU059100.D  
 Acq On : 30 May 2024 17:30  
 Operator : MD/SY  
 Sample : P2586-07MEMSD  
 Misc : 2.99g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 31 03:24:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 31 03:18:55 2024  
 Response via : Initial Calibration

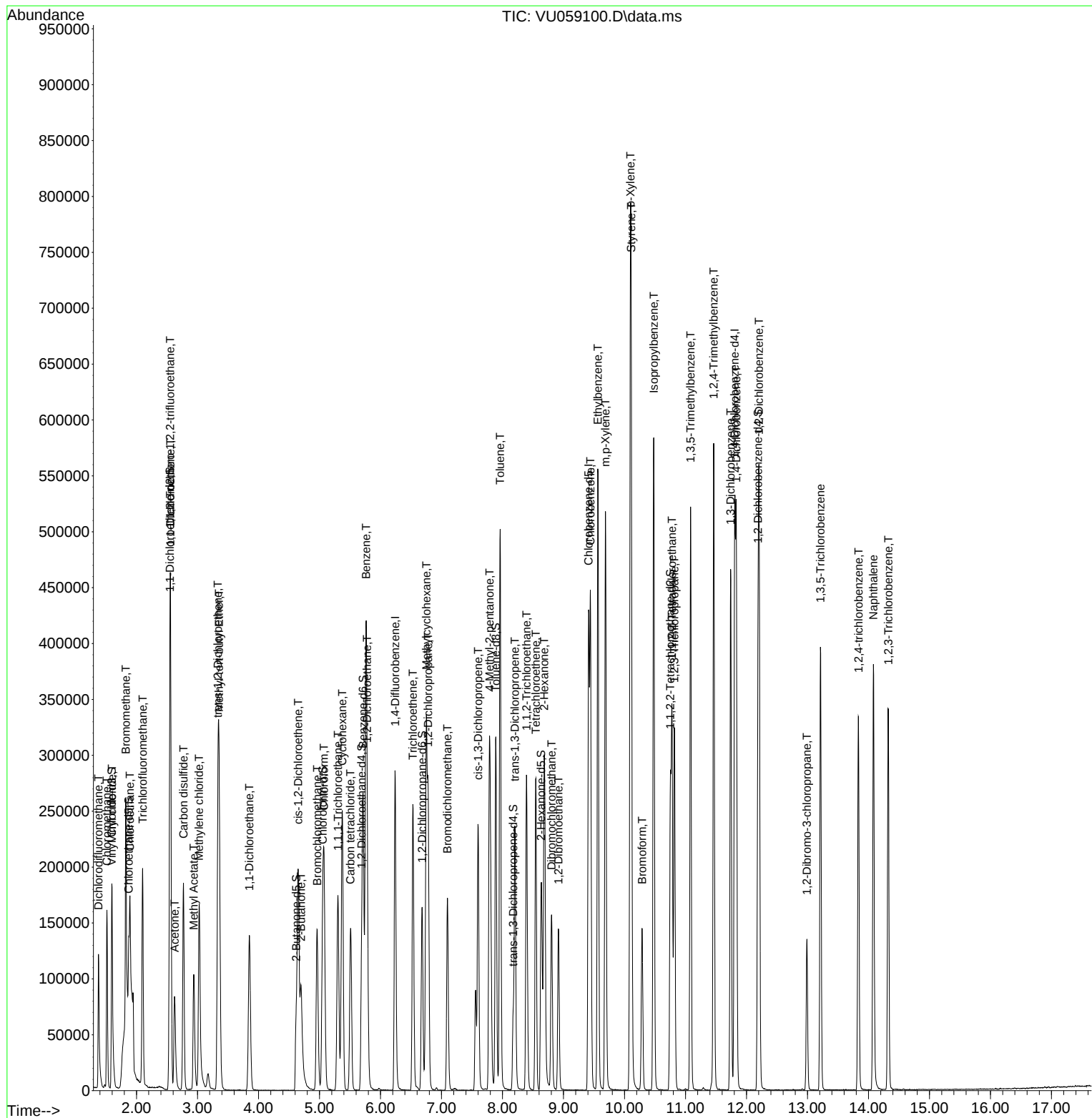
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 132962   | 44.442 | ug/L  | 100      |
| 29) Cyclohexane               | 5.373  | 56   | 125509   | 41.291 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.303  | 97   | 125412   | 42.365 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.508  | 117  | 98968    | 41.159 | ug/L  | 100      |
| 33) Benzene                   | 5.763  | 78   | 360275   | 43.822 | ug/L  | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 89920    | 44.669 | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.753  | 83   | 123545   | 41.741 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 103263   | 44.233 | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 117227   | 43.109 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 148042   | 45.833 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 288063   | 94.122 | ug/L  | 99       |
| 42) Toluene                   | 7.962  | 91   | 370701   | 44.921 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 136747   | 46.764 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 95289    | 45.398 | ug/L  | 100      |
| 46) Tetrachloroethene         | 8.547  | 164  | 58159    | 43.374 | ug/L  | 94       |
| 48) 2-Hexanone                | 8.685  | 43   | 232353   | 90.016 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.804  | 129  | 84363    | 44.474 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 98955    | 45.703 | ug/L  | 99       |
| 51) Chlorobenzene             | 9.441  | 112  | 228035   | 45.783 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 389815   | 45.819 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 145419   | 46.507 | ug/L  | 99       |
| 54) o-Xylene                  | 10.097 | 106  | 143540   | 47.368 | ug/L  | 97       |
| 55) Styrene                   | 10.110 | 104  | 259755   | 50.429 | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 177042   | 46.302 | ug/L  | 99       |
| 59) Bromoform                 | 10.290 | 173  | 67354    | 41.815 | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.817 | 75   | 140982   | 41.267 | ug/L  | 98       |
| 61) Isopropylbenzene          | 10.479 | 105  | 374532   | 43.333 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 275764   | 44.036 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 307628   | 45.316 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 183646   | 45.462 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 189072   | 45.321 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 180478   | 42.747 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 35038    | 40.455 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 117645   | 44.098 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 97774    | 45.887 | ug/L  | 99       |
| 71) Naphthalene               | 14.081 | 128  | 303126   | 44.944 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 100374   | 46.335 | ug/L  | 98       |

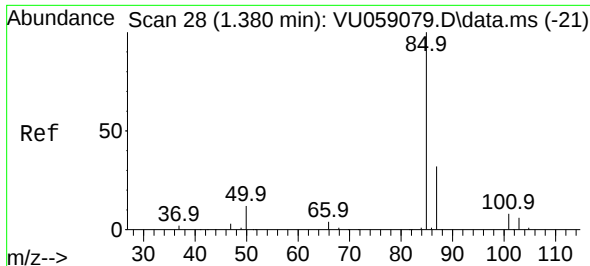
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU053024\  
Data File : VU059100.D  
Acq On : 30 May 2024 17:30  
Operator : MD/SY  
Sample : P2586-07MEMSD  
Misc : 2.99g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: May 31 03:24:26 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052924WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 31 03:18:55 2024  
Response via : Initial Calibration

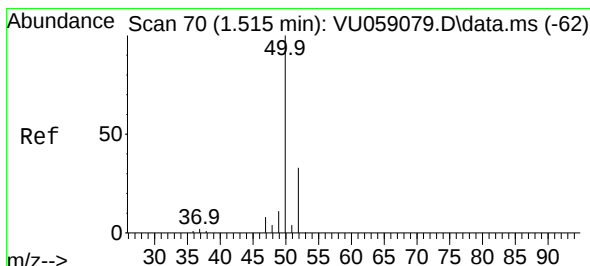
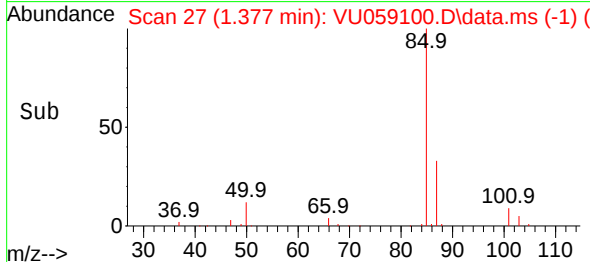
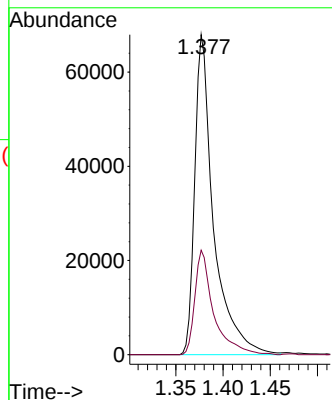
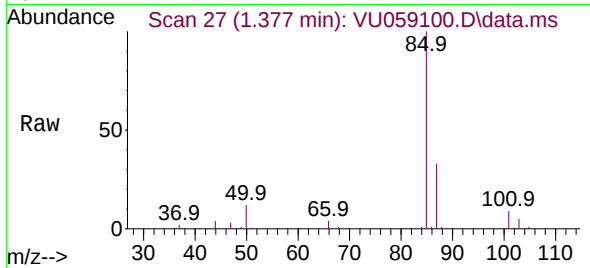




#2  
 Dichlorodifluoromethane  
 Concen: 41.531 ug/L  
 RT: 1.377 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VU059100.D  
 Acq: 30 May 2024 17:30

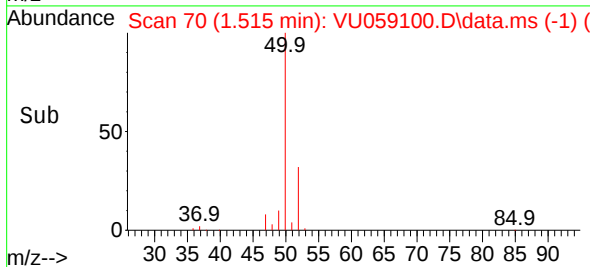
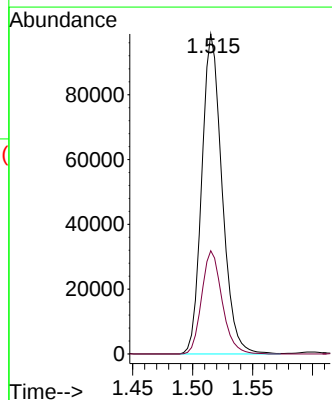
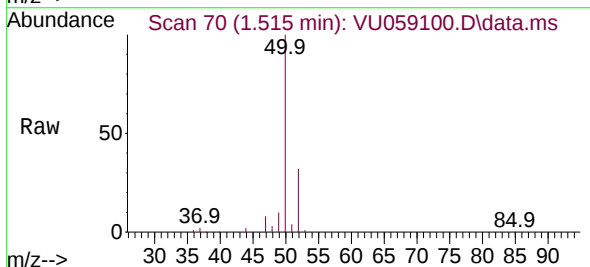
Instrument :  
 MSVOA\_U  
 ClientSampleId :

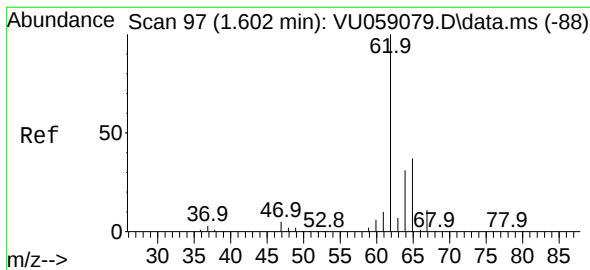
Tgt Ion: 85 Resp: 94151  
 Ion Ratio Lower Upper  
 85 100  
 87 32.3 25.4 38.2



#3  
 Chloromethane  
 Concen: 44.357 ug/L  
 RT: 1.515 min Scan# 70  
 Delta R.T. 0.000 min  
 Lab File: VU059100.D  
 Acq: 30 May 2024 17:30

Tgt Ion: 50 Resp: 116217  
 Ion Ratio Lower Upper  
 50 100  
 52 32.2 23.2 43.2





#5

Vinyl chloride

Concen: 44.098 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

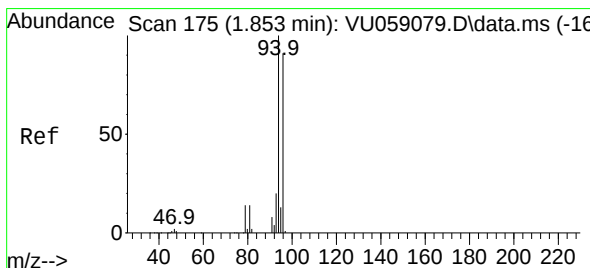
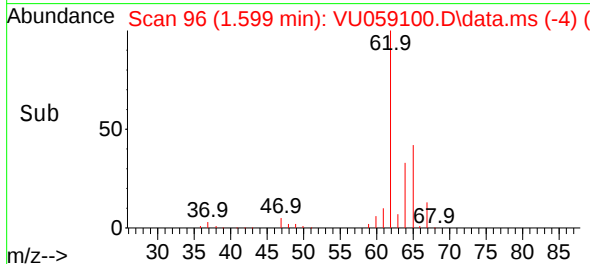
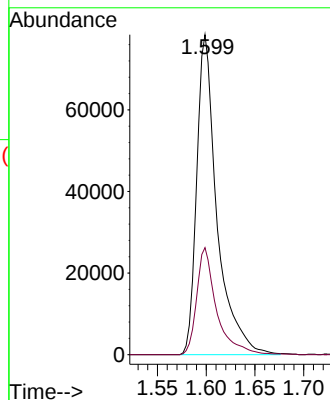
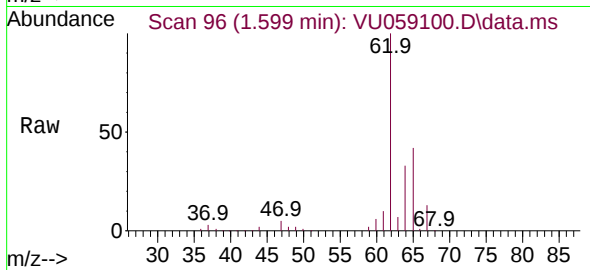
ClientSampleId :

Tgt Ion: 62 Resp: 113531

Ion Ratio Lower Upper

62 100

64 33.4 22.5 41.7



#6

Bromomethane

Concen: 41.547 ug/L

RT: 1.824 min Scan# 166

Delta R.T. -0.029 min

Lab File: VU059100.D

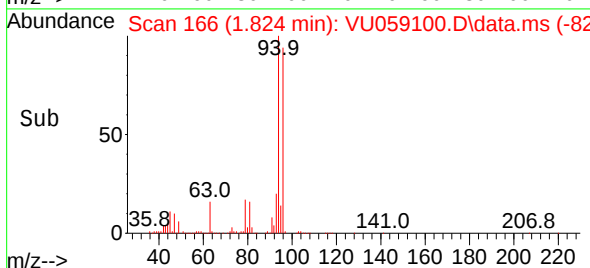
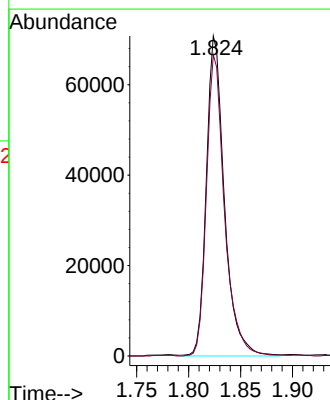
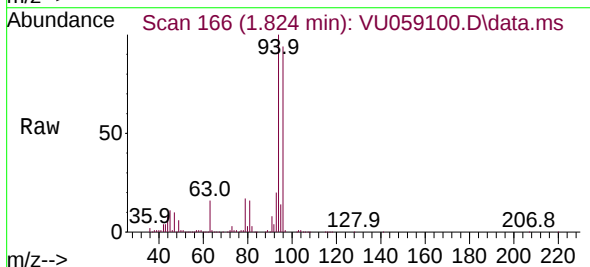
Acq: 30 May 2024 17:30

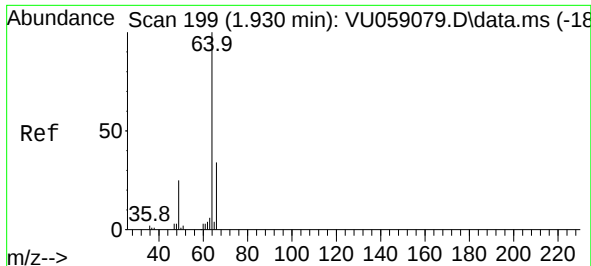
Tgt Ion: 94 Resp: 85574

Ion Ratio Lower Upper

94 100

96 94.0 67.1 124.7

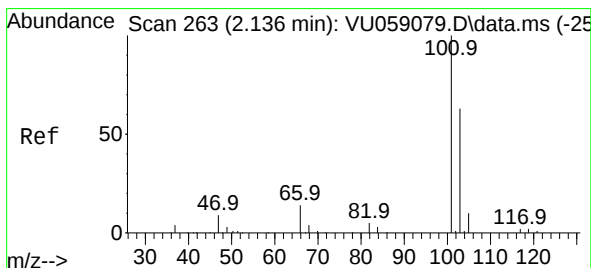
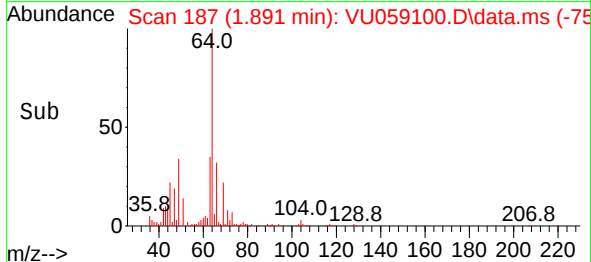
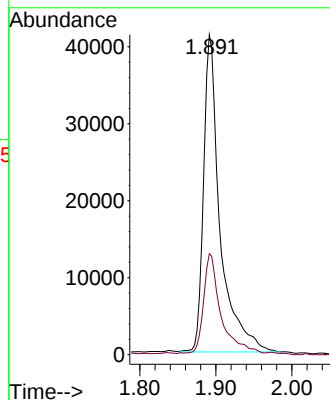
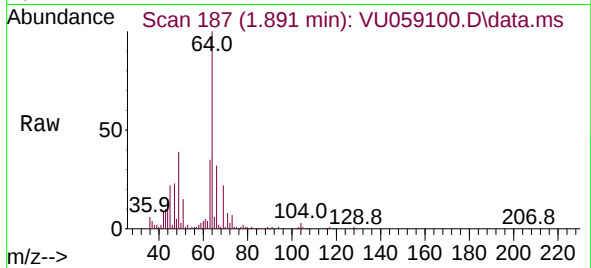




#8  
Chloroethane  
Concen: 38.738 ug/L  
RT: 1.891 min Scan# 11  
Delta R.T. -0.039 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

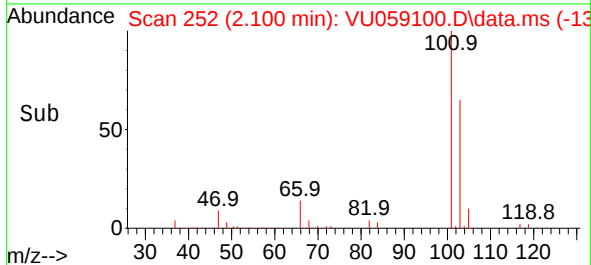
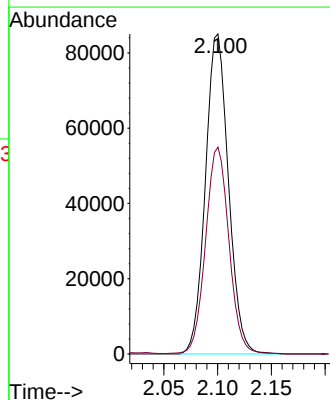
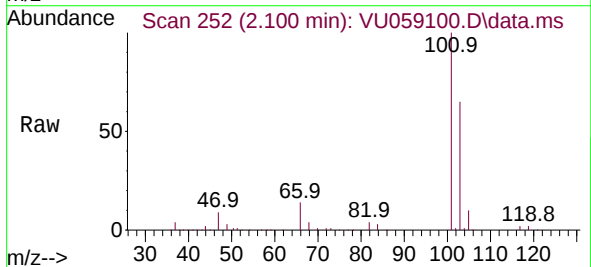
Instrument :  
MSVOA\_U  
ClientSampleId :

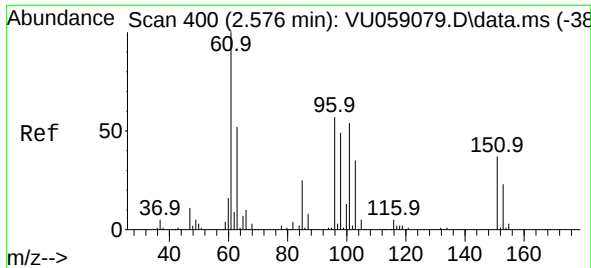
Tgt Ion: 64 Resp: 62192  
Ion Ratio Lower Upper  
64 100  
66 31.6 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 42.329 ug/L  
RT: 2.100 min Scan# 252  
Delta R.T. -0.035 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

Tgt Ion:101 Resp: 126812  
Ion Ratio Lower Upper  
101 100  
103 65.8 51.8 77.6

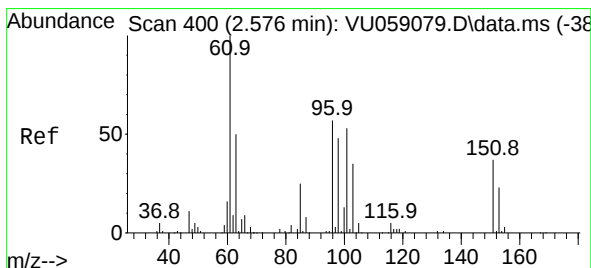
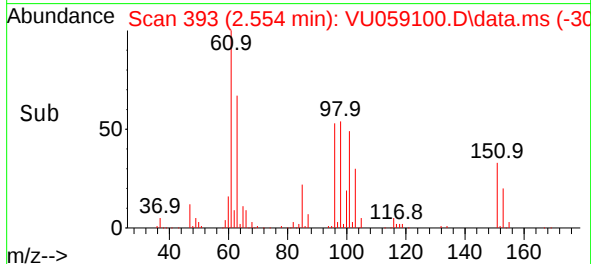
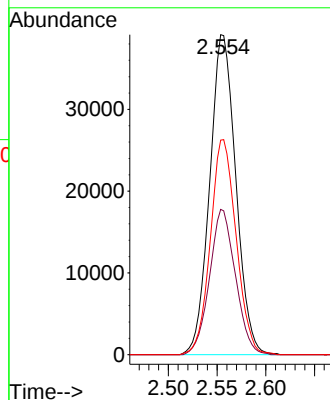
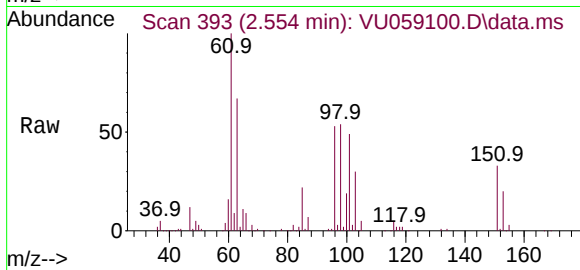




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 41.825 ug/L  
RT: 2.554 min Scan# 393  
Delta R.T. -0.022 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

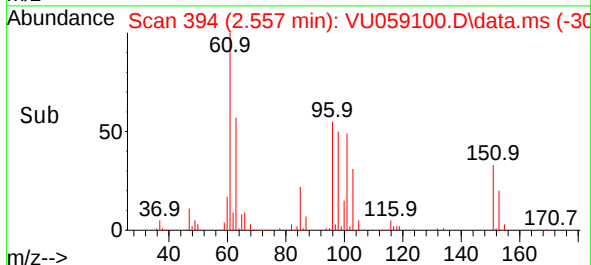
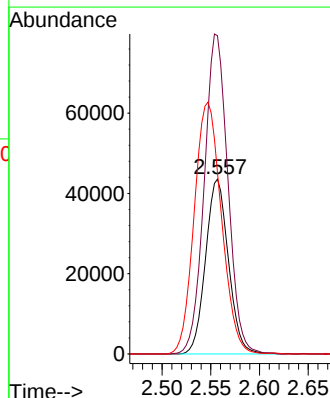
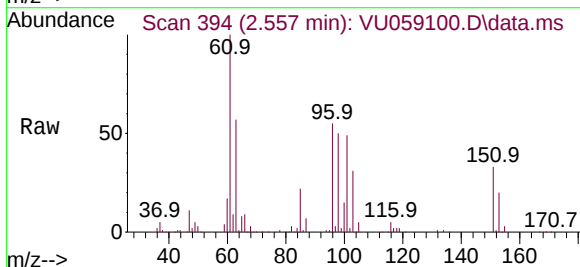
Instrument :  
MSVOA\_U  
ClientSampleId :

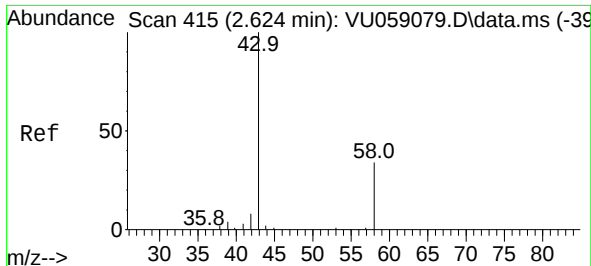
Tgt Ion:101 Resp: 72904  
Ion Ratio Lower Upper  
101 100  
85 45.0 36.7 55.1  
151 66.4 52.2 78.2



#12  
1,1-Dichloroethene  
Concen: 44.872 ug/L  
RT: 2.557 min Scan# 394  
Delta R.T. -0.019 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

Tgt Ion: 96 Resp: 70941  
Ion Ratio Lower Upper  
96 100  
61 181.9 126.3 234.6  
63 103.7 78.7 146.1





#13

Acetone

Concen: 71.226 ug/L

RT: 2.624 min Scan# 415

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

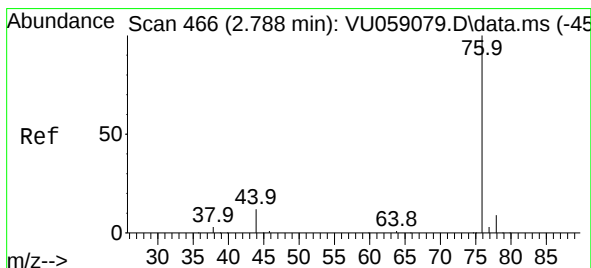
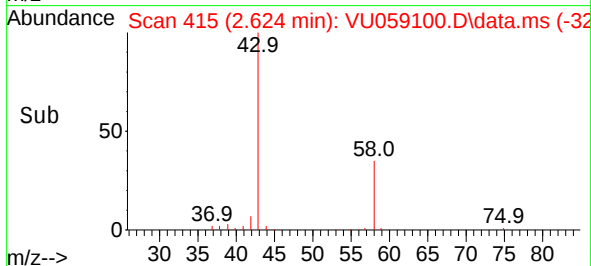
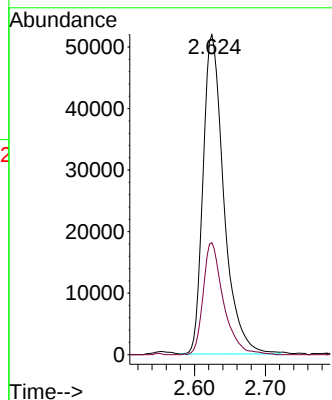
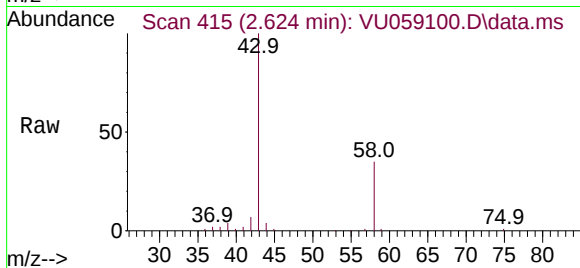
ClientSampleId :

Tgt Ion: 43 Resp: 105712

Ion Ratio Lower Upper

43 100

58 34.3 0.0 68.8



#14

Carbon disulfide

Concen: 44.842 ug/L

RT: 2.769 min Scan# 460

Delta R.T. -0.019 min

Lab File: VU059100.D

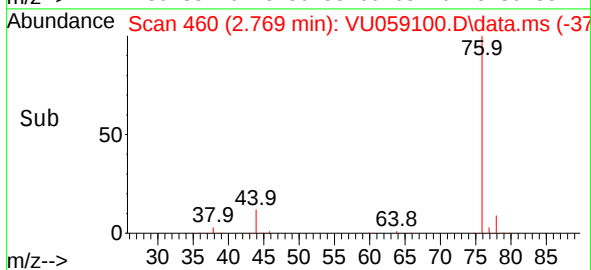
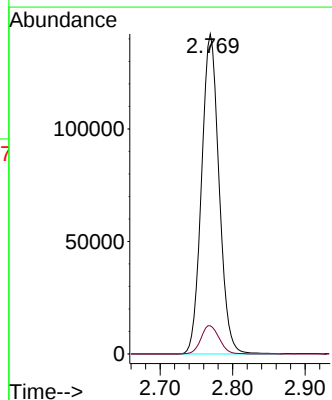
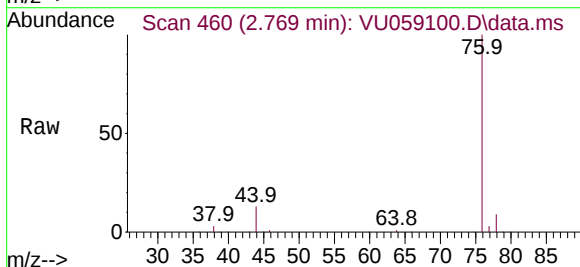
Acq: 30 May 2024 17:30

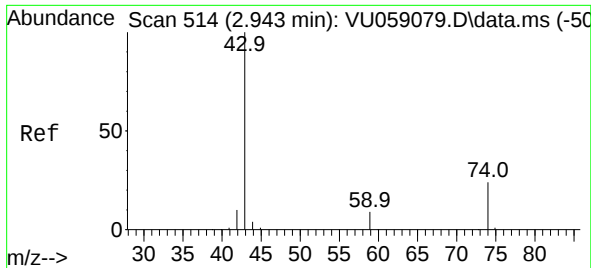
Tgt Ion: 76 Resp: 238760

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

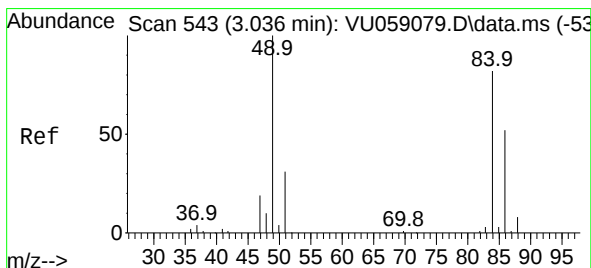
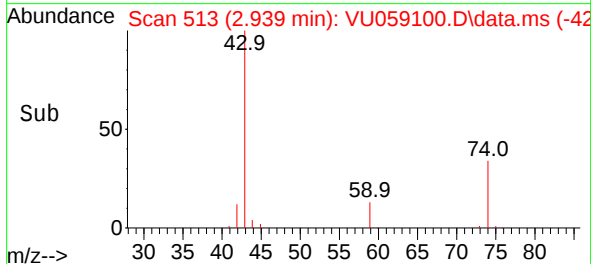
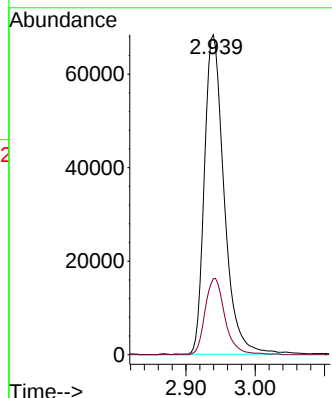
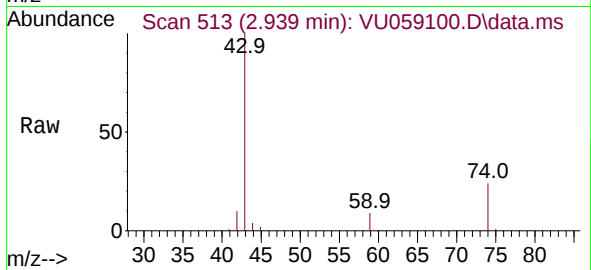




#15  
Methyl Acetate  
Concen: 57.495 ug/L  
RT: 2.939 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

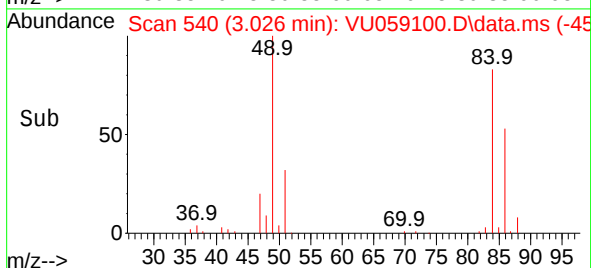
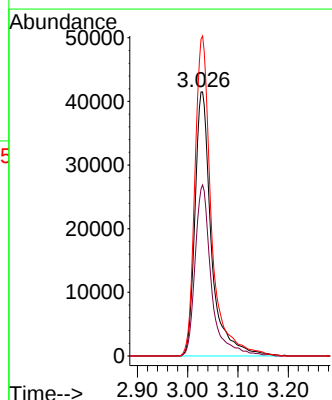
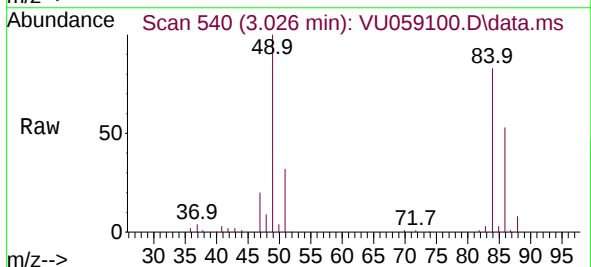
Instrument :  
MSVOA\_U  
ClientSampleId :

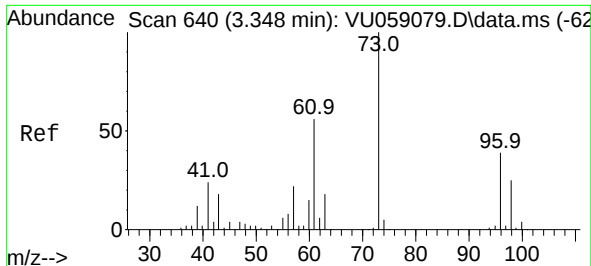
Tgt Ion: 43 Resp: 135169  
Ion Ratio Lower Upper  
43 100  
74 23.8 20.8 31.2



#16  
Methylene chloride  
Concen: 44.101 ug/L  
RT: 3.026 min Scan# 540  
Delta R.T. -0.010 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

Tgt Ion: 84 Resp: 94338  
Ion Ratio Lower Upper  
84 100  
86 63.2 44.9 83.3  
49 119.9 87.5 162.5

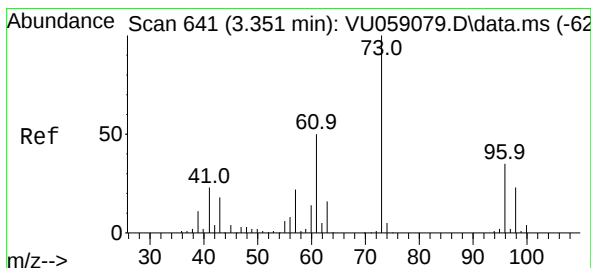
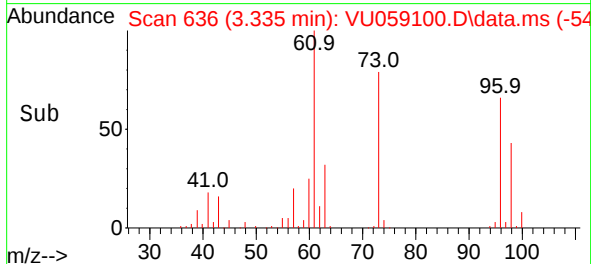
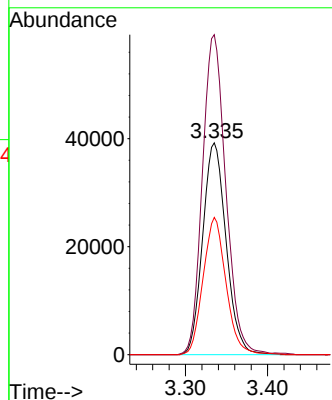
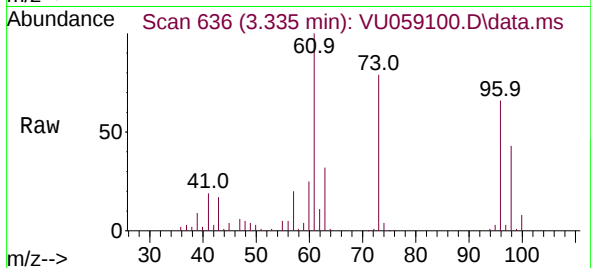




#17  
trans-1,2-Dichloroethene  
Concen: 45.674 ug/L  
RT: 3.335 min Scan# 61  
Delta R.T. -0.013 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

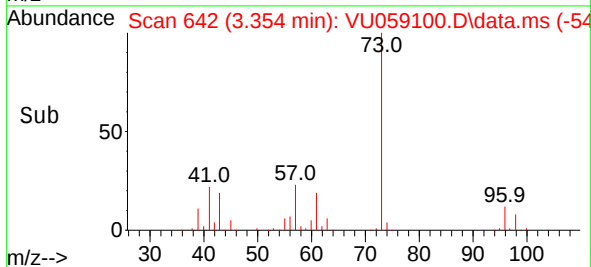
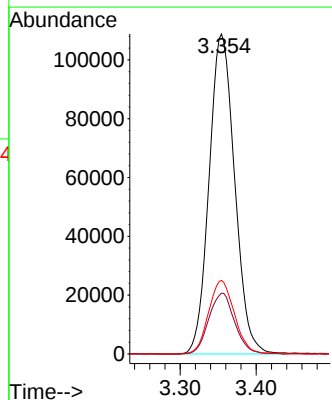
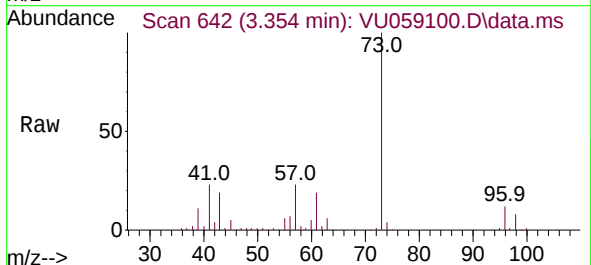
Instrument :  
MSVOA\_U  
ClientSampleId :

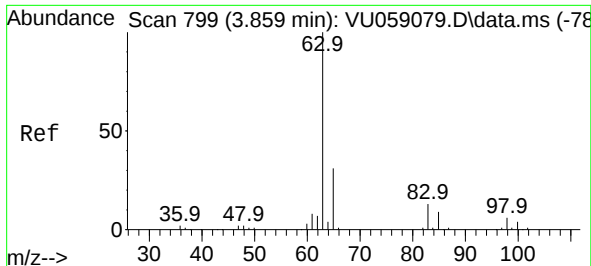
Tgt Ion: 96 Resp: 77937  
Ion Ratio Lower Upper  
96 100  
61 151.1 103.5 192.3  
98 64.8 42.4 78.6



#18  
Methyl tert-butyl Ether  
Concen: 45.847 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. 0.003 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

Tgt Ion: 73 Resp: 254121  
Ion Ratio Lower Upper  
73 100  
43 19.1 15.6 23.4  
57 23.2 18.6 28.0

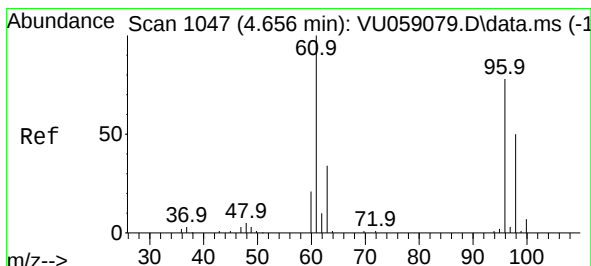
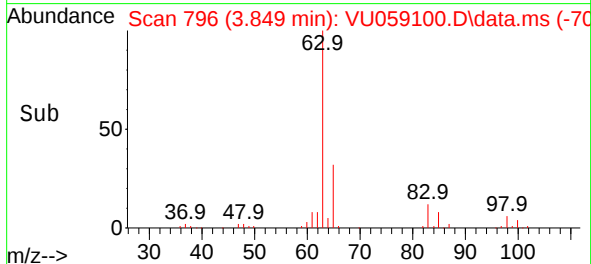
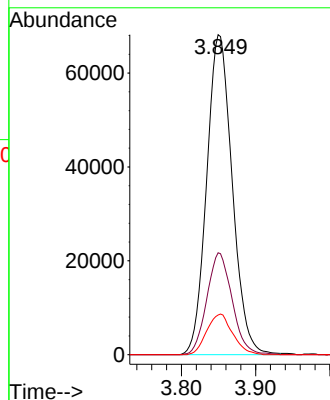
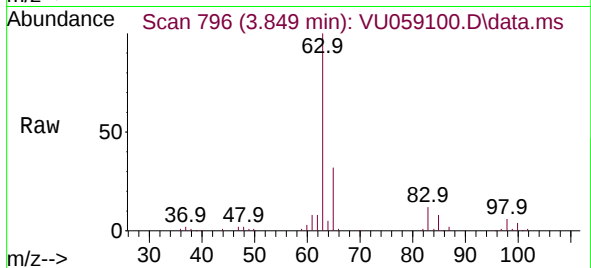




#19  
1,1-Dichloroethane  
Concen: 44.569 ug/L  
RT: 3.849 min Scan# 799  
Delta R.T. -0.010 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

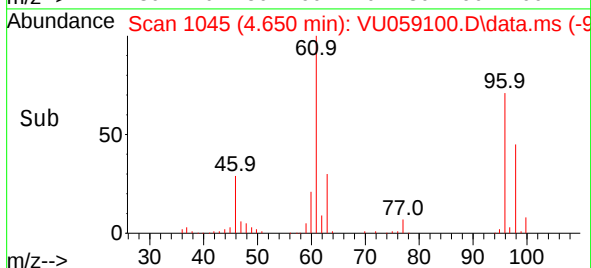
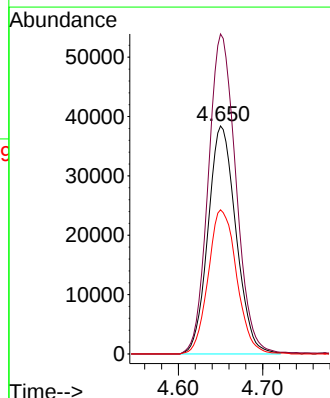
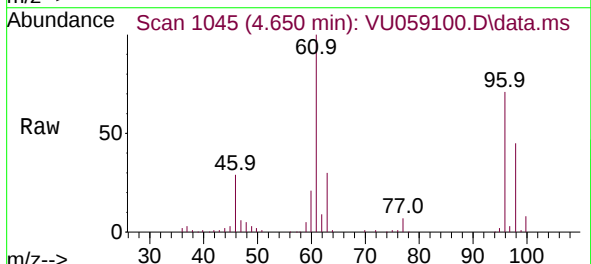
Instrument :  
MSVOA\_U  
ClientSampleId :

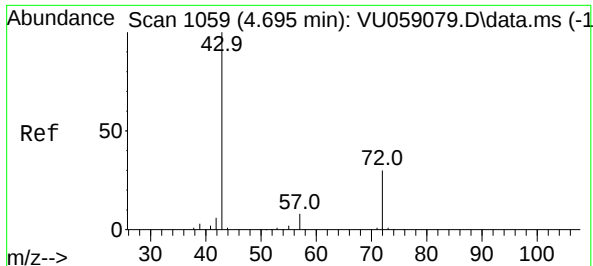
Tgt Ion: 63 Resp: 163015  
Ion Ratio Lower Upper  
63 100  
65 31.9 21.3 39.5  
83 12.4 8.8 16.3



#20  
cis-1,2-Dichloroethene  
Concen: 45.465 ug/L  
RT: 4.650 min Scan# 1045  
Delta R.T. -0.006 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

Tgt Ion: 96 Resp: 88406  
Ion Ratio Lower Upper  
96 100  
61 140.4 96.2 178.6  
98 63.2 45.6 84.6

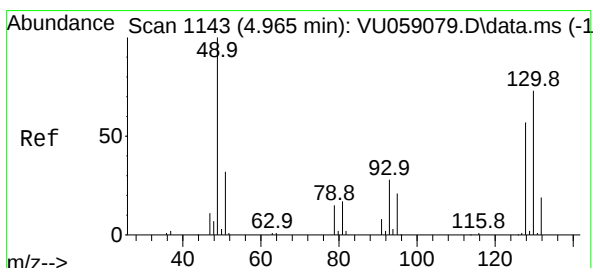
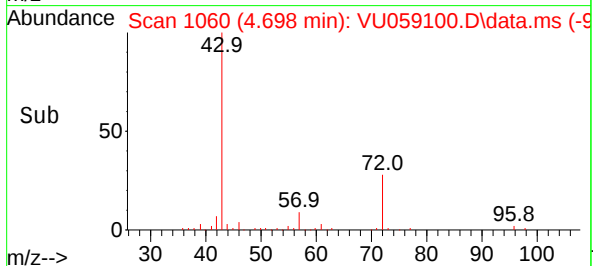
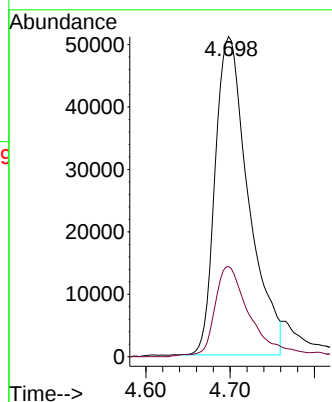
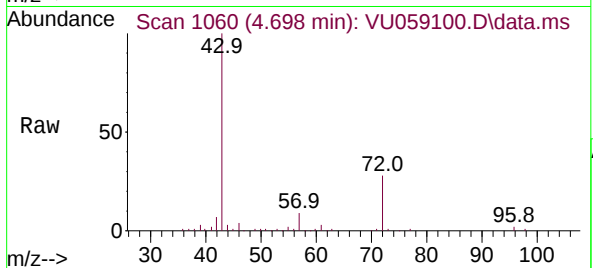




#22  
2-Butanone  
Concen: 77.959 ug/L  
RT: 4.698 min Scan# 1060  
Delta R.T. 0.003 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

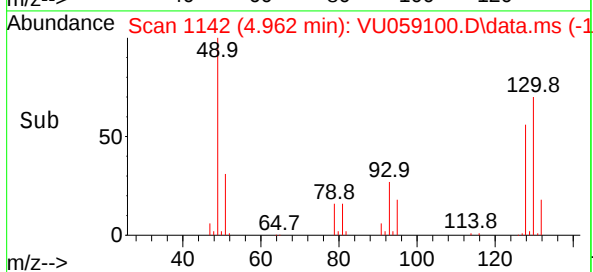
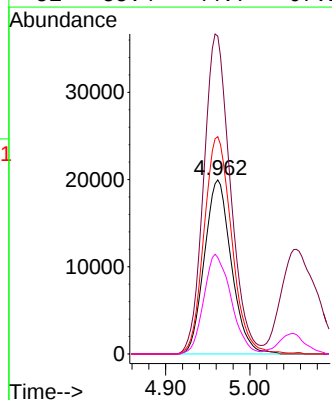
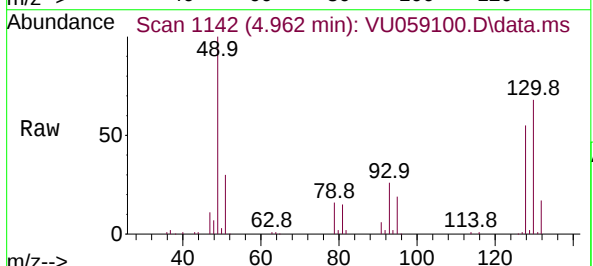
Instrument :  
MSVOA\_U  
ClientSampleId :

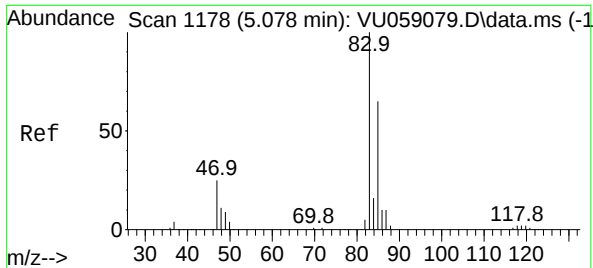
Tgt Ion: 43 Resp: 140083  
Ion Ratio Lower Upper  
43 100  
72 28.5 14.2 42.8



#23  
Bromochloromethane  
Concen: 44.998 ug/L  
RT: 4.962 min Scan# 1142  
Delta R.T. -0.003 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

Tgt Ion:128 Resp: 44320  
Ion Ratio Lower Upper  
128 100  
49 182.6 128.4 238.4  
130 124.8 86.9 161.3  
51 55.4 44.7 67.1





#25

Chloroform

Concen: 45.822 ug/L

RT: 5.074 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

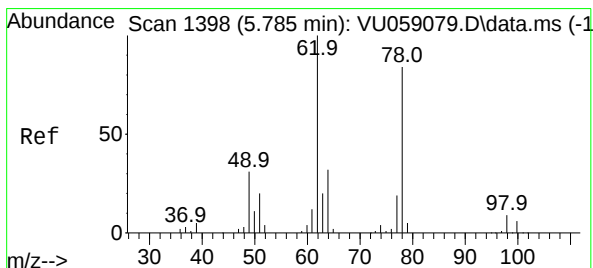
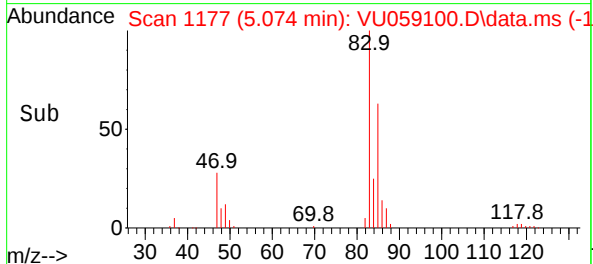
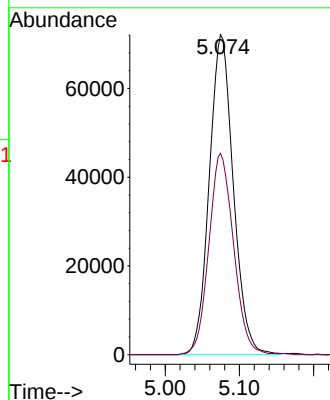
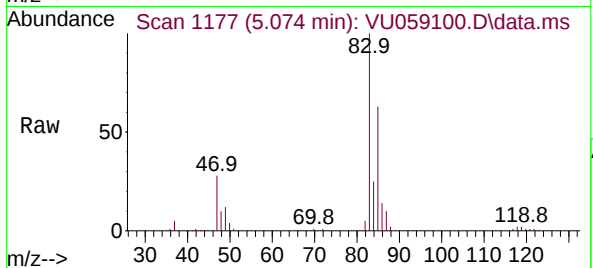
ClientSampleId :

Tgt Ion: 83 Resp: 162280

Ion Ratio Lower Upper

83 100

85 62.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 44.442 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU059100.D

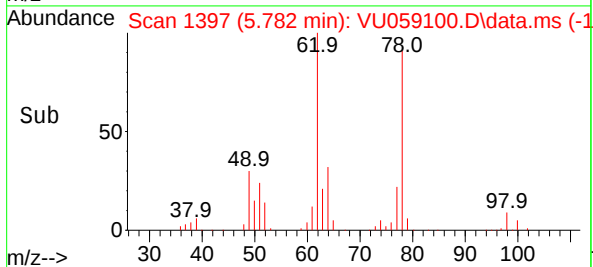
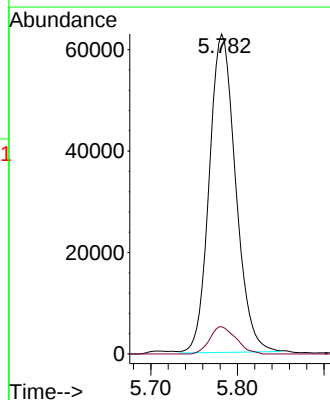
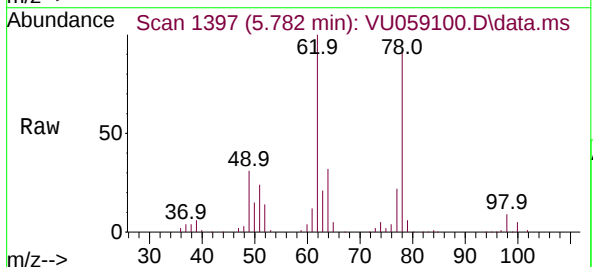
Acq: 30 May 2024 17:30

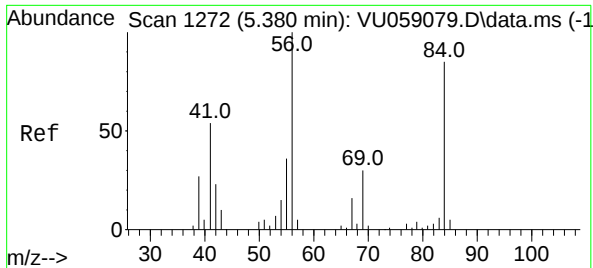
Tgt Ion: 62 Resp: 132962

Ion Ratio Lower Upper

62 100

98 8.5 6.9 10.3

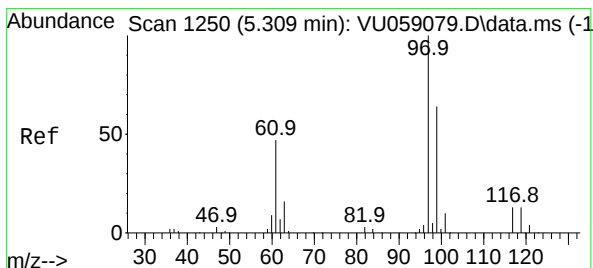
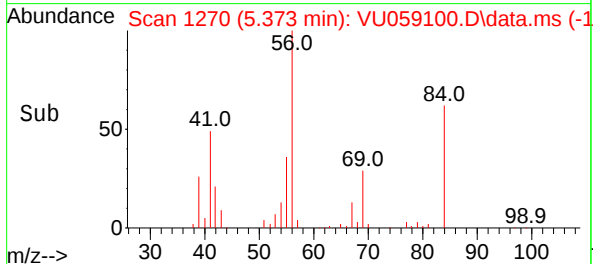
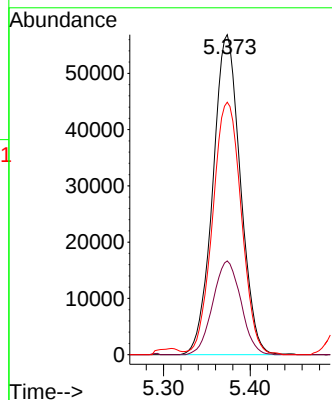
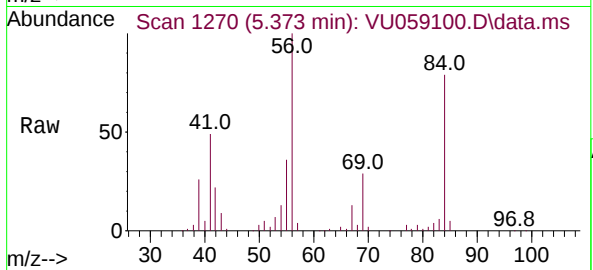




#29  
Cyclohexane  
Concen: 41.291 ug/L  
RT: 5.373 min Scan# 1270  
Delta R.T. -0.006 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

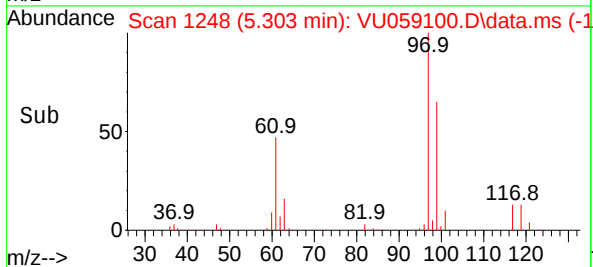
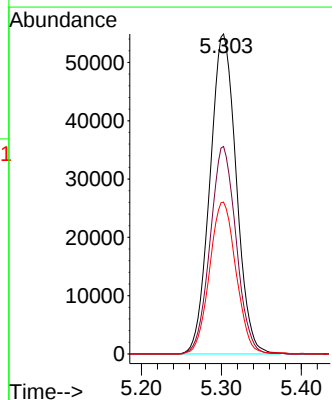
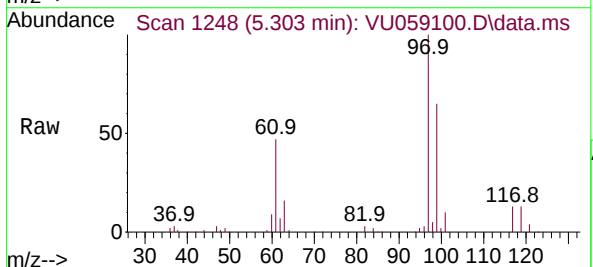
Instrument :  
MSVOA\_U  
ClientSampleId :

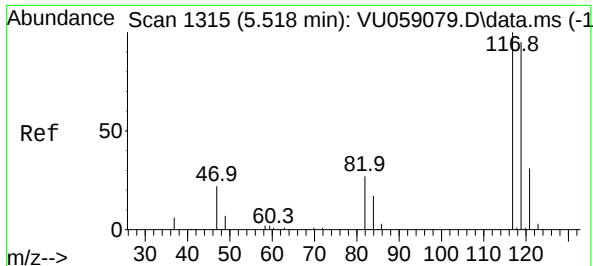
Tgt Ion: 56 Resp: 125509  
Ion Ratio Lower Upper  
56 100  
69 29.8 24.6 37.0  
84 82.4 67.4 101.0



#30  
1,1,1-Trichloroethane  
Concen: 42.365 ug/L  
RT: 5.303 min Scan# 1248  
Delta R.T. -0.006 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

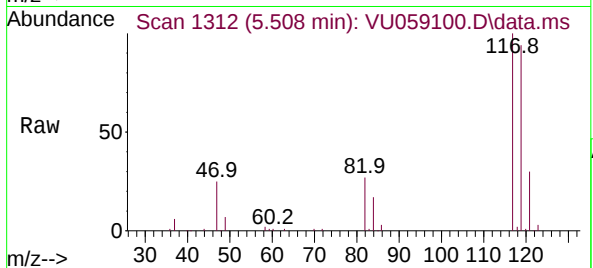
Tgt Ion: 97 Resp: 125412  
Ion Ratio Lower Upper  
97 100  
99 64.0 51.6 77.4  
61 47.6 39.1 58.7



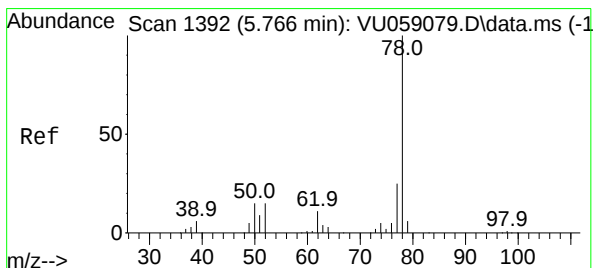
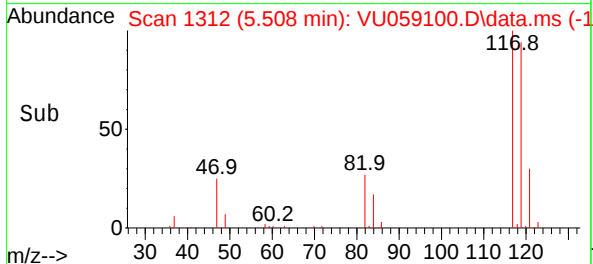
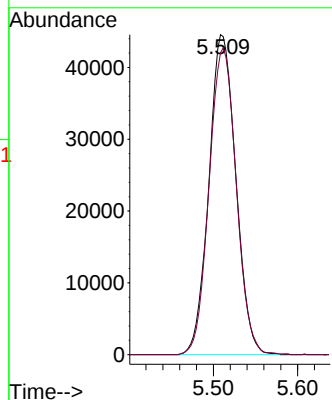


#31  
Carbon tetrachloride  
Concen: 41.159 ug/L  
RT: 5.508 min Scan# 1315  
Delta R.T. -0.010 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

Instrument :  
MSVOA\_U  
ClientSampleId :

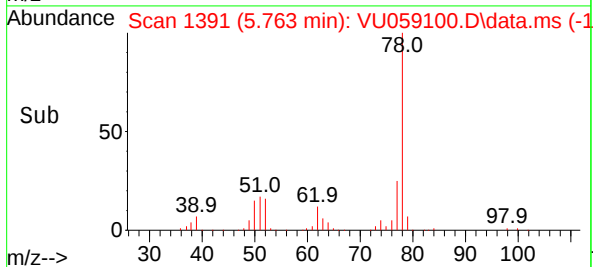
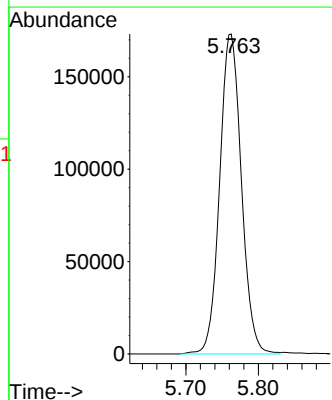
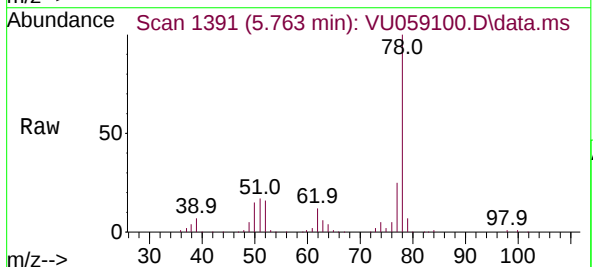


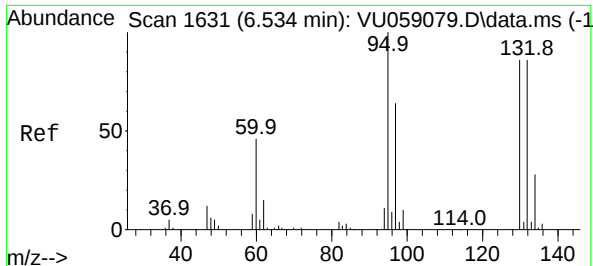
Tgt Ion:117 Resp: 98968  
Ion Ratio Lower Upper  
117 100  
119 96.5 76.9 115.3



#33  
Benzene  
Concen: 43.822 ug/L  
RT: 5.763 min Scan# 1391  
Delta R.T. -0.003 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

Tgt Ion: 78 Resp: 360275





#34

Trichloroethene

Concen: 44.669 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 95 Resp: 89920

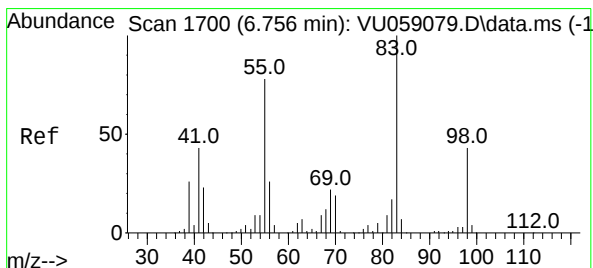
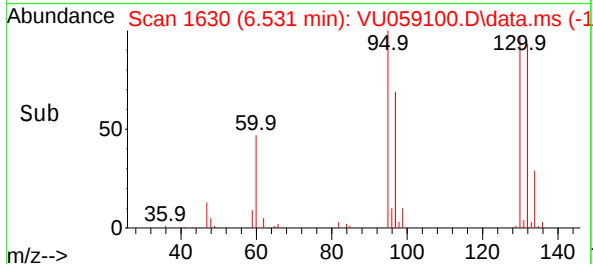
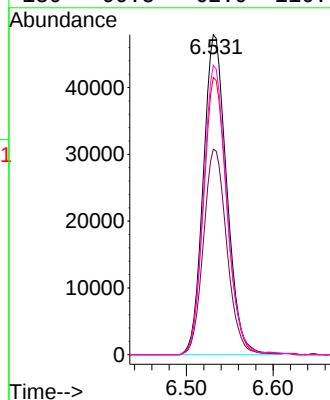
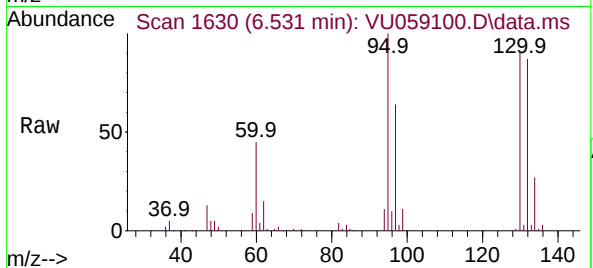
Ion Ratio Lower Upper

95 100

97 64.2 45.2 84.0

132 86.7 60.6 112.6

130 90.5 62.9 116.7



#35

Methylcyclohexane

Concen: 41.741 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

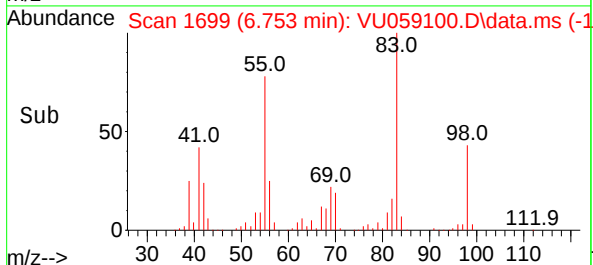
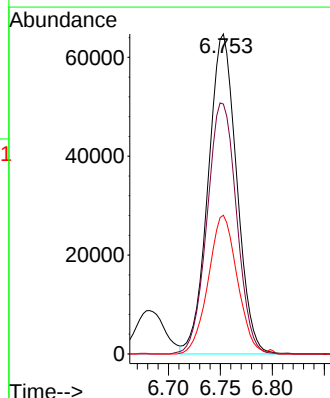
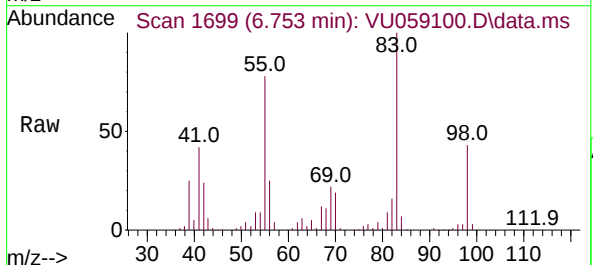
Tgt Ion: 83 Resp: 123545

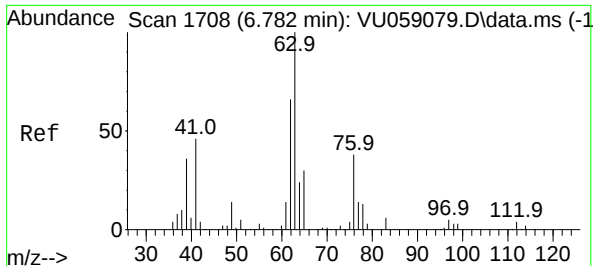
Ion Ratio Lower Upper

83 100

55 81.1 63.9 95.9

98 44.0 34.7 52.1

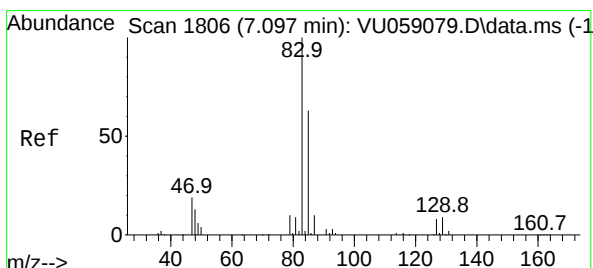
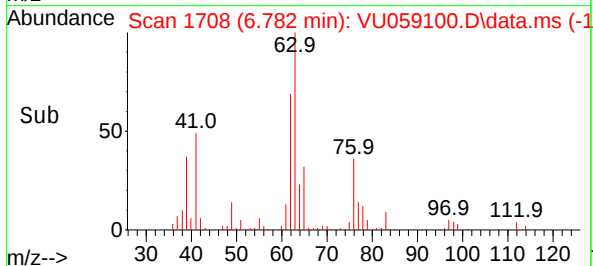
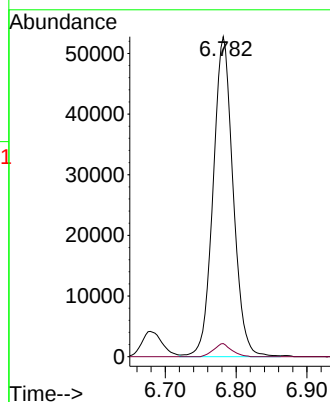
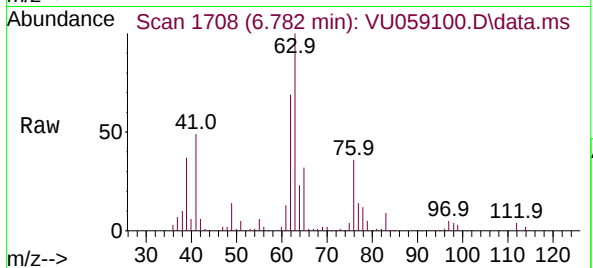




#37  
1,2-Dichloropropane  
Concen: 44.233 ug/L  
RT: 6.782 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

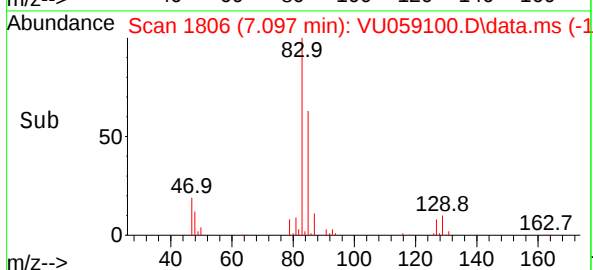
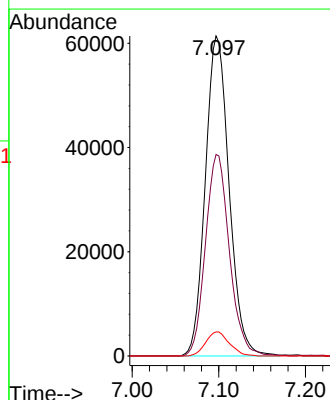
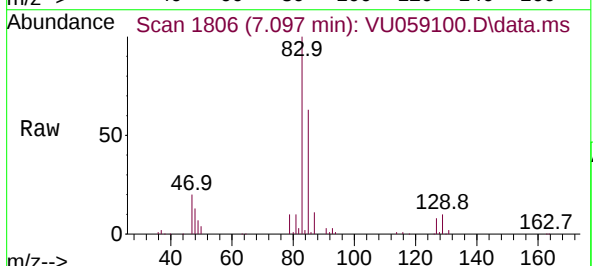
Instrument :  
MSVOA\_U  
ClientSampleId :

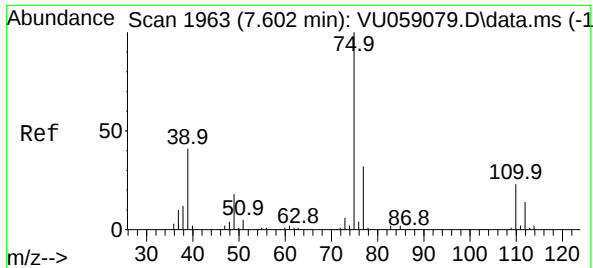
Tgt Ion: 63 Resp: 103263  
Ion Ratio Lower Upper  
63 100  
112 3.6 2.6 4.0



#38  
Bromodichloromethane  
Concen: 43.109 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

Tgt Ion: 83 Resp: 117227  
Ion Ratio Lower Upper  
83 100  
85 63.0 44.0 81.6  
127 7.5 7.0 10.6

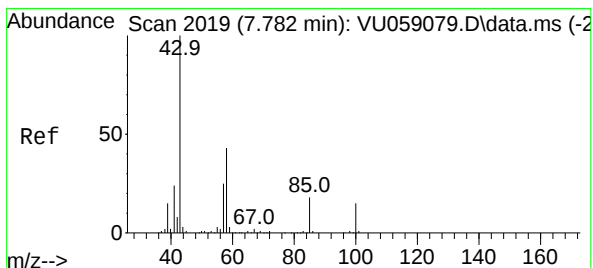
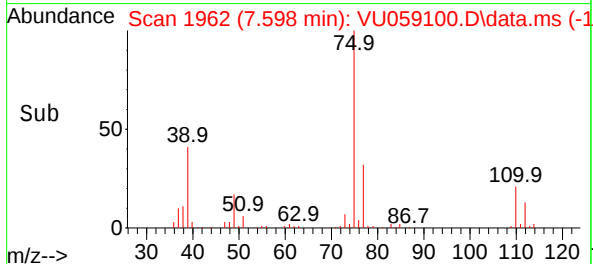
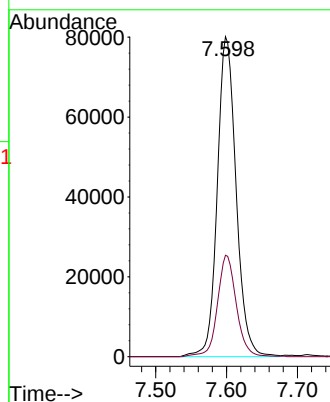
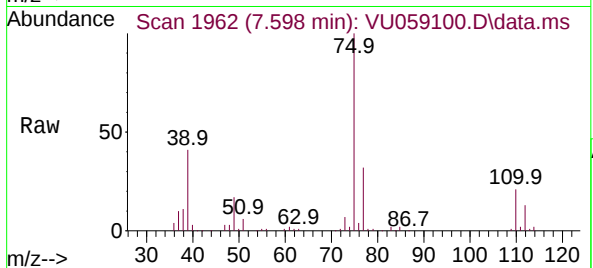




#39  
 cis-1,3-Dichloropropene  
 Concen: 45.833 ug/L  
 RT: 7.598 min Scan# 1962  
 Delta R.T. -0.003 min  
 Lab File: VU059100.D  
 Acq: 30 May 2024 17:30

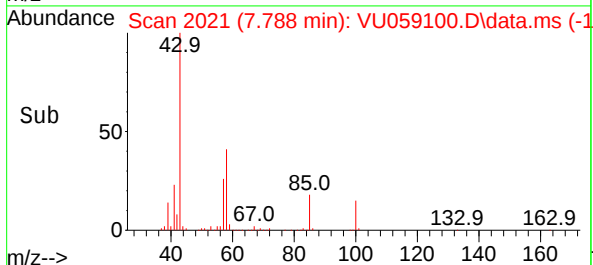
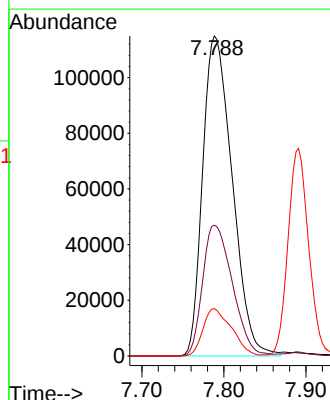
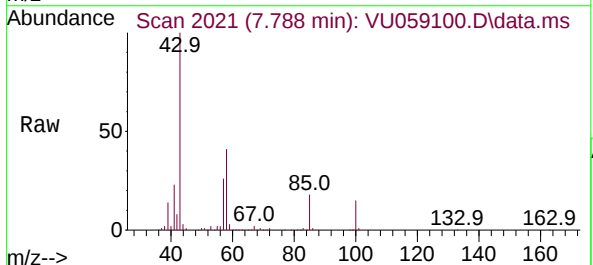
Instrument :  
 MSVOA\_U  
 ClientSampleId :

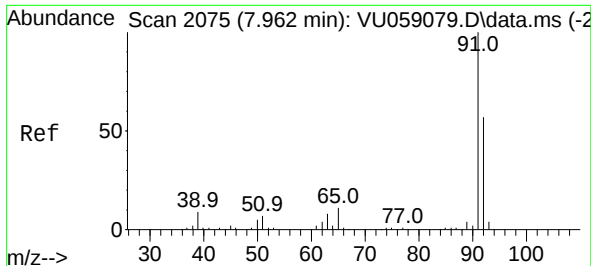
Tgt Ion: 75 Resp: 148042  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 21.2 39.4



#40  
 4-Methyl-2-pentanone  
 Concen: 94.122 ug/L  
 RT: 7.788 min Scan# 2021  
 Delta R.T. 0.006 min  
 Lab File: VU059100.D  
 Acq: 30 May 2024 17:30

Tgt Ion: 43 Resp: 288063  
 Ion Ratio Lower Upper  
 43 100  
 58 41.1 33.7 50.5  
 100 14.3 11.4 17.0





#42

Toluene

Concen: 44.921 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

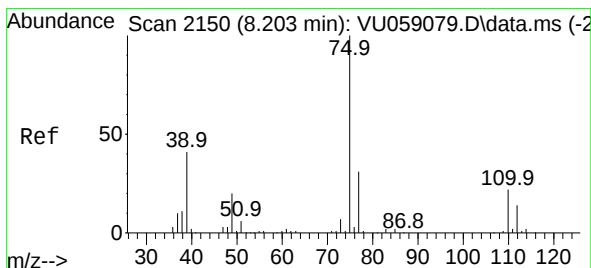
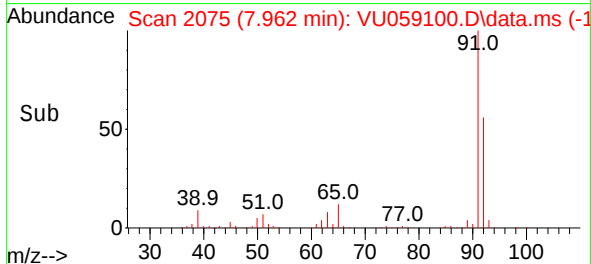
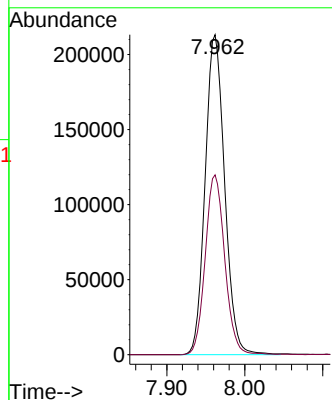
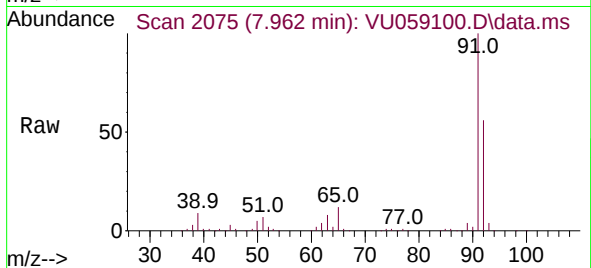
ClientSampleId :

Tgt Ion: 91 Resp: 370701

Ion Ratio Lower Upper

91 100

92 56.2 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 46.764 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059100.D

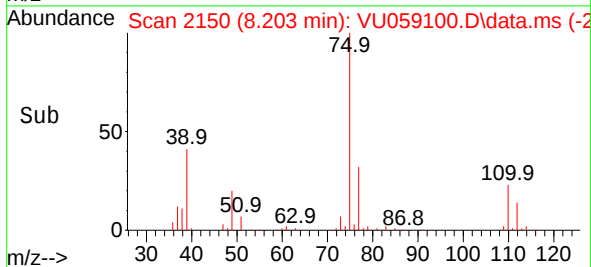
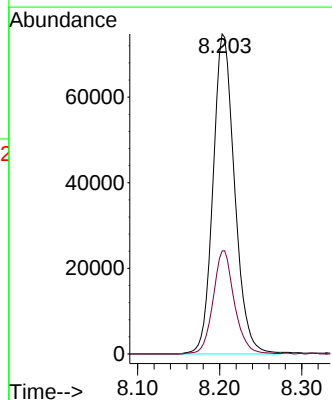
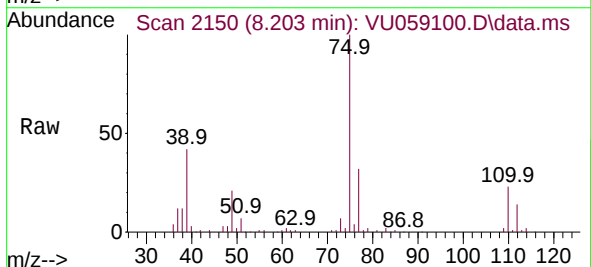
Acq: 30 May 2024 17:30

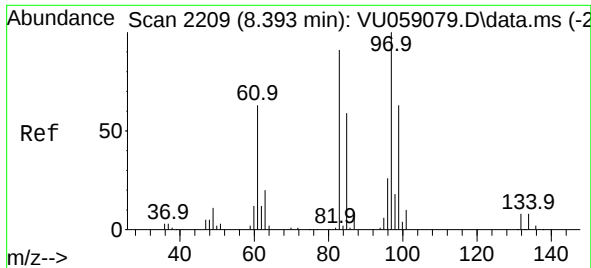
Tgt Ion: 75 Resp: 136747

Ion Ratio Lower Upper

75 100

77 32.2 22.0 40.8

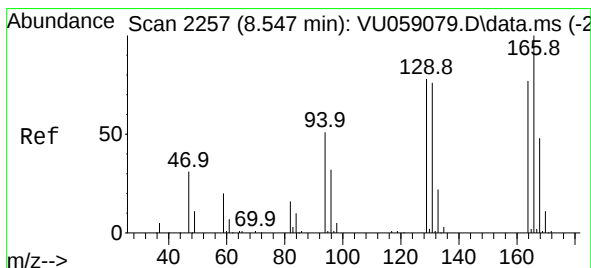
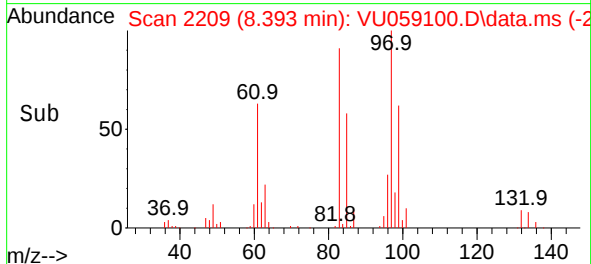
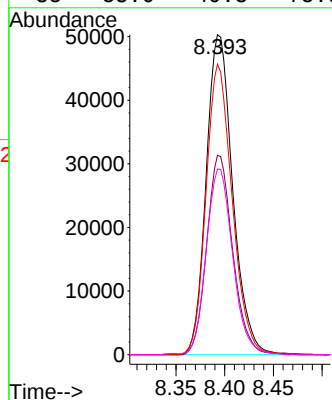
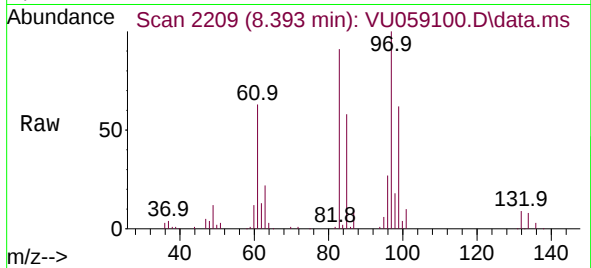




#45  
1,1,2-Trichloroethane  
Concen: 45.398 ug/L  
RT: 8.393 min Scan# 2209  
Delta R.T. 0.000 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

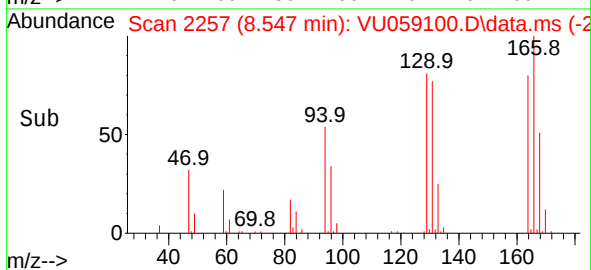
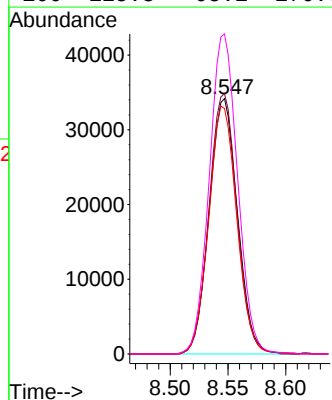
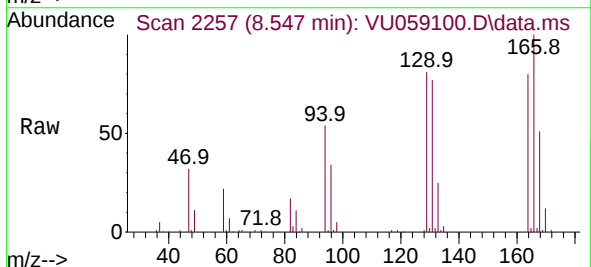
Instrument :  
MSVOA\_U  
ClientSampleId :

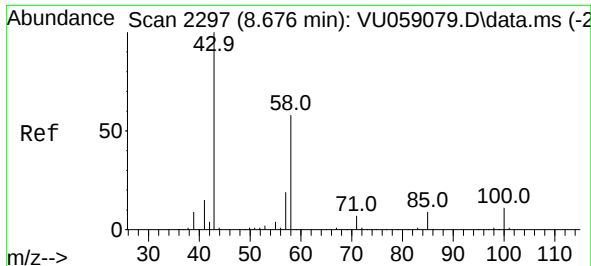
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 95289 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.3  | 44.0  | 81.6  |
| 83       | 90.8  | 63.6  | 118.2 |
| 85       | 58.0  | 40.8  | 75.8  |



#46  
Tetrachloroethene  
Concen: 43.374 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 58159 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 102.0 | 74.5  | 138.5 |
| 131      | 96.1  | 70.6  | 131.0 |
| 166      | 125.3 | 95.1  | 176.7 |

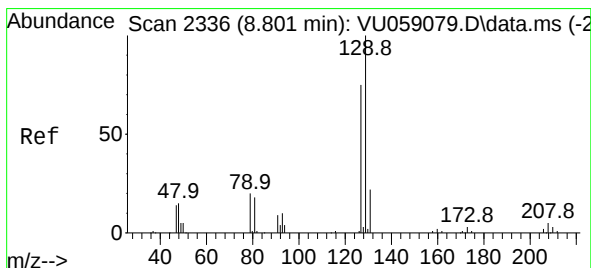
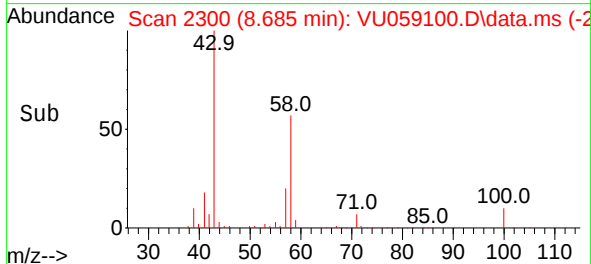
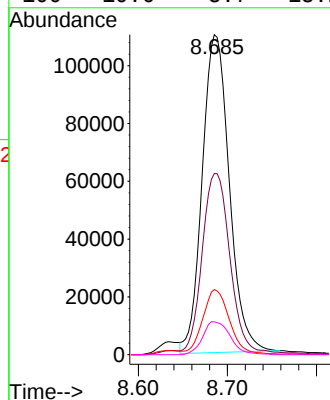
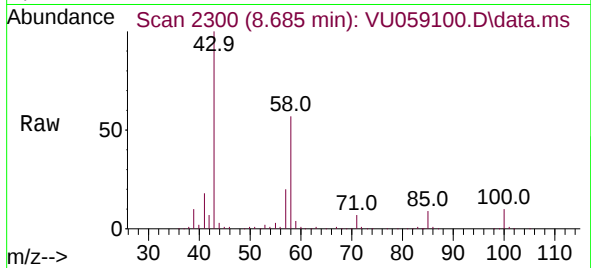




#48  
2-Hexanone  
Concen: 90.016 ug/L  
RT: 8.685 min Scan# 2323  
Delta R.T. 0.010 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

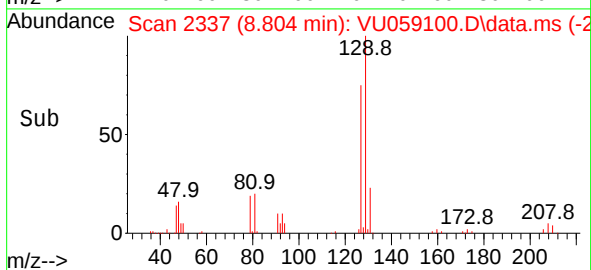
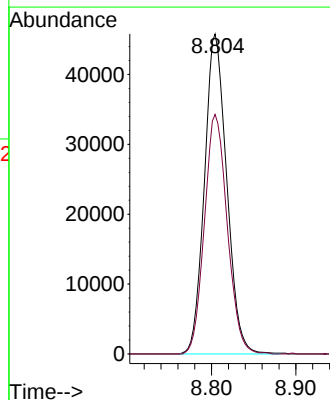
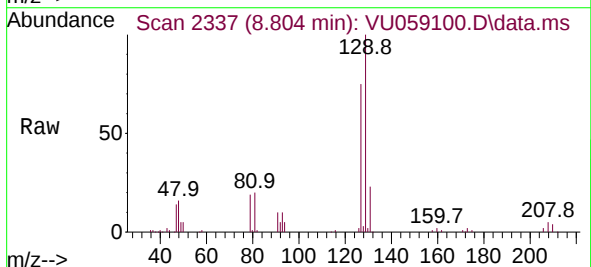
Instrument :  
MSVOA\_U  
ClientSampleId :

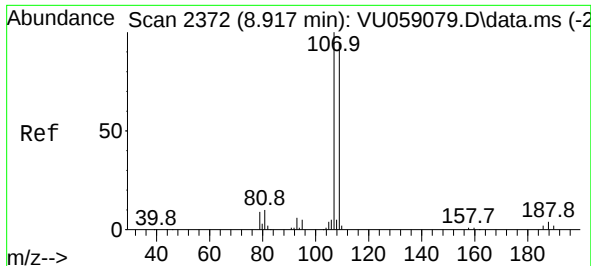
Tgt Ion: 43 Resp: 232353  
Ion Ratio Lower Upper  
43 100  
58 57.9 45.9 68.9  
57 20.4 16.3 24.5  
100 10.6 8.7 13.1



#49  
Dibromochloromethane  
Concen: 44.474 ug/L  
RT: 8.804 min Scan# 2337  
Delta R.T. 0.003 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

Tgt Ion: 129 Resp: 84363  
Ion Ratio Lower Upper  
129 100  
127 74.8 53.3 98.9

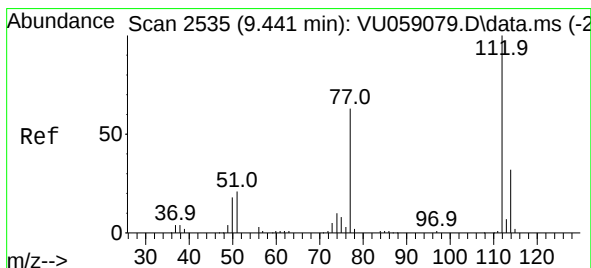
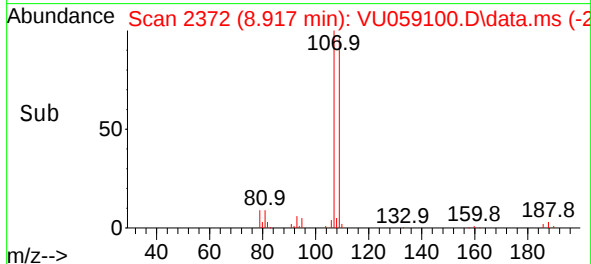
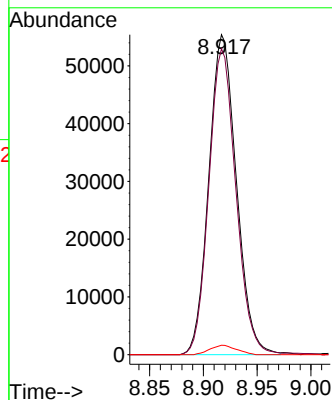
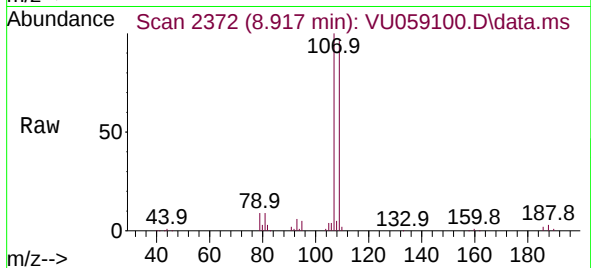




#50  
1,2-Dibromoethane  
Concen: 45.703 ug/L  
RT: 8.917 min Scan# 2372  
Delta R.T. 0.000 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

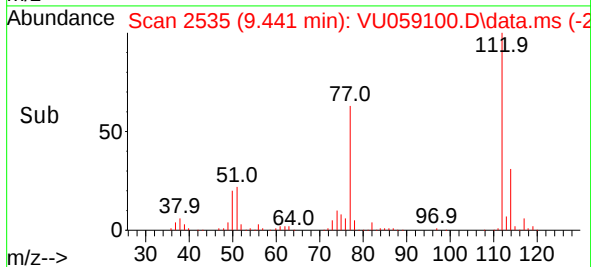
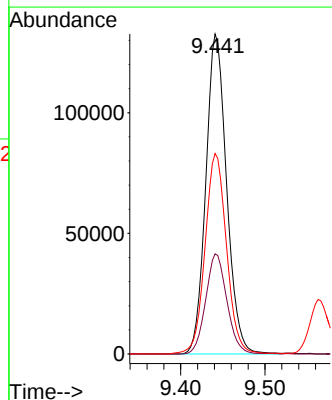
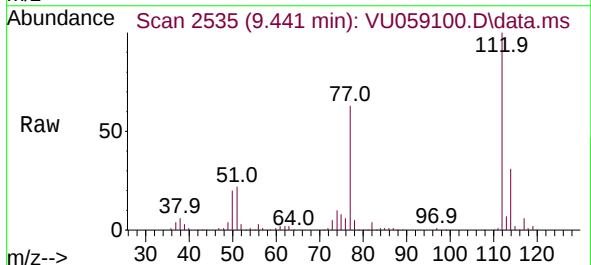
Instrument :  
MSVOA\_U  
ClientSampleId :

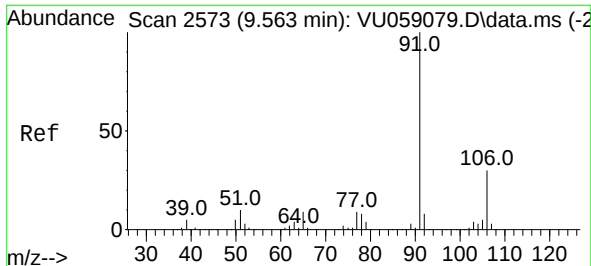
Tgt Ion:107 Resp: 98955  
Ion Ratio Lower Upper  
107 100  
109 95.6 67.8 125.8  
188 2.9 2.5 3.7



#51  
Chlorobenzene  
Concen: 45.783 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. 0.000 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

Tgt Ion:112 Resp: 228035  
Ion Ratio Lower Upper  
112 100  
114 31.3 22.1 41.1  
77 62.7 49.8 74.6





#52

Ethylbenzene

Concen: 45.819 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

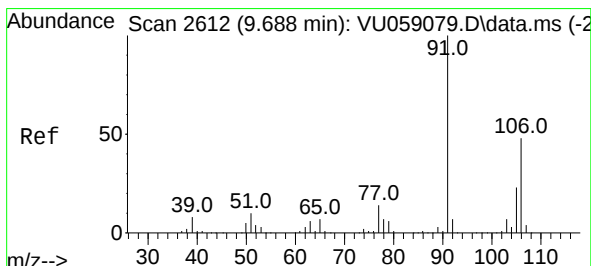
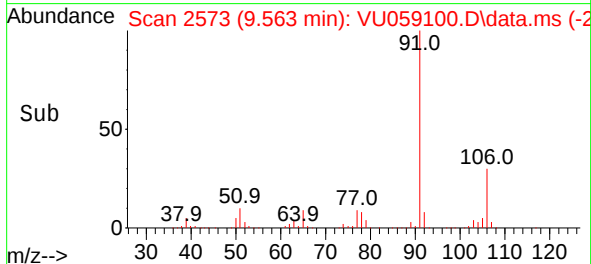
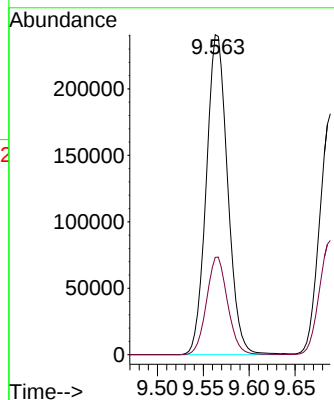
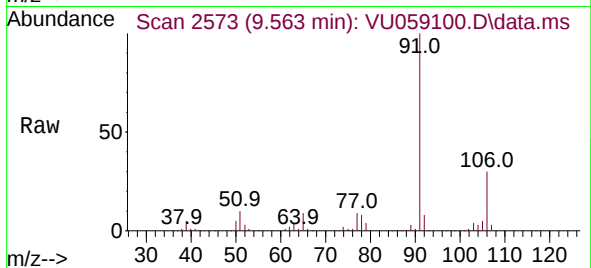
ClientSampleId :

Tgt Ion: 91 Resp: 389815

Ion Ratio Lower Upper

91 100

106 30.4 21.0 39.0



#53

m,p-Xylene

Concen: 46.507 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU059100.D

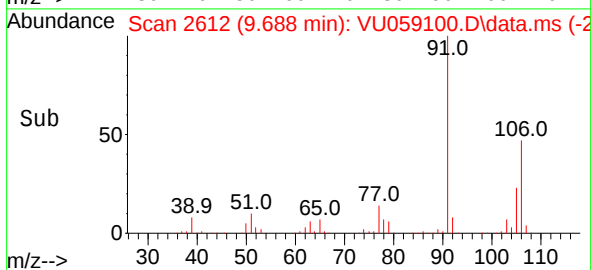
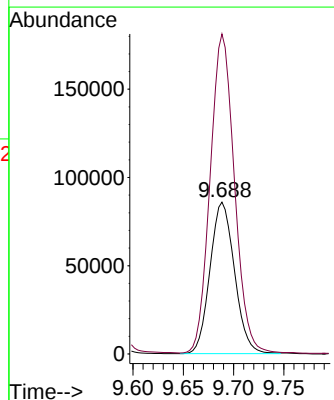
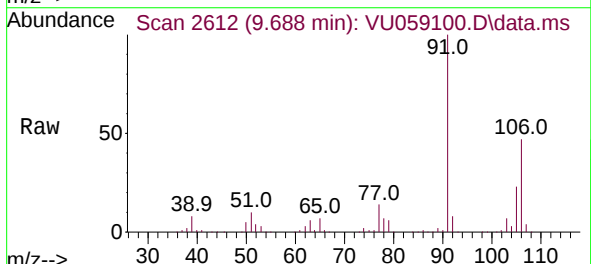
Acq: 30 May 2024 17:30

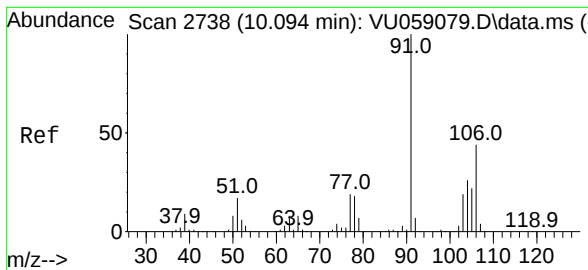
Tgt Ion:106 Resp: 145419

Ion Ratio Lower Upper

106 100

91 210.8 146.4 272.0

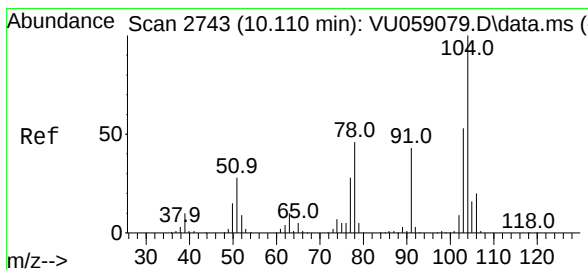
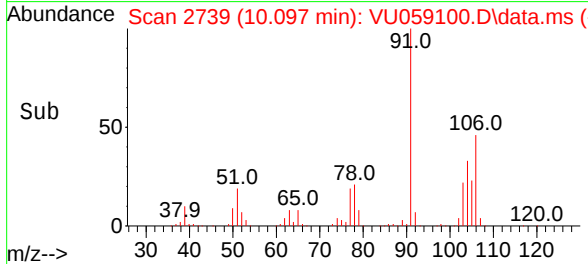
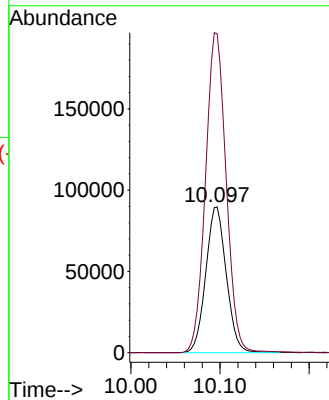
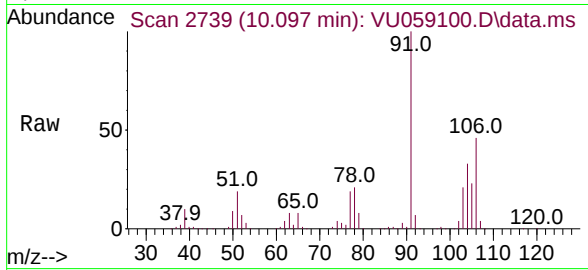




#54  
o-Xylene  
Concen: 47.368 ug/L  
RT: 10.097 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

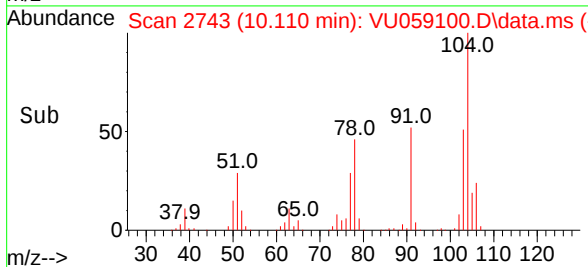
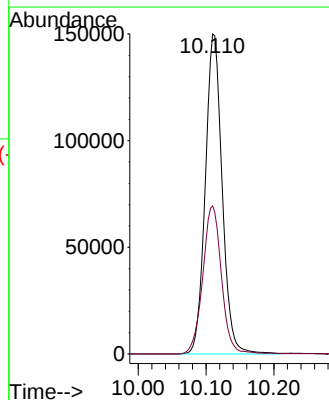
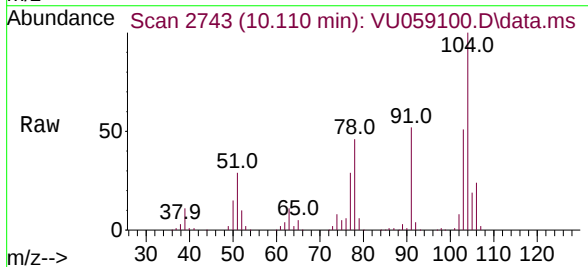
Instrument :  
MSVOA\_U  
ClientSampleId :

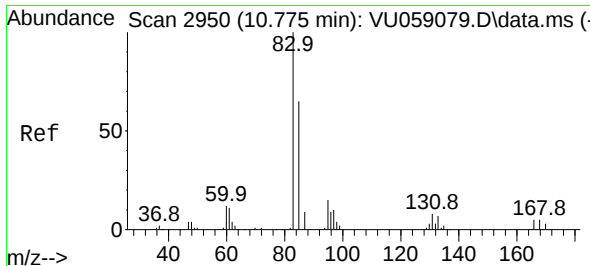
Tgt Ion:106 Resp: 143540  
Ion Ratio Lower Upper  
106 100  
91 218.8 156.7 290.9



#55  
Styrene  
Concen: 50.429 ug/L  
RT: 10.110 min Scan# 2743  
Delta R.T. 0.000 min  
Lab File: VU059100.D  
Acq: 30 May 2024 17:30

Tgt Ion:104 Resp: 259755  
Ion Ratio Lower Upper  
104 100  
78 46.3 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 46.302 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

ClientSampleId :

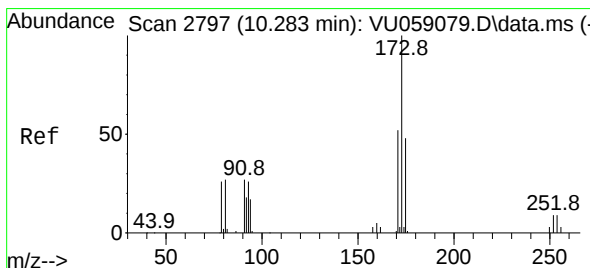
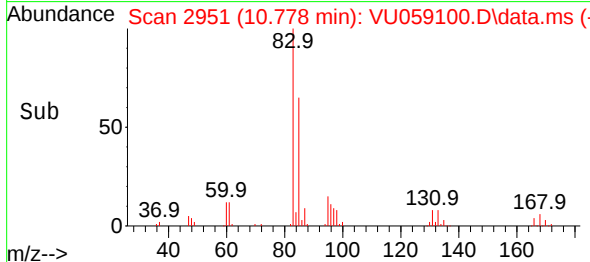
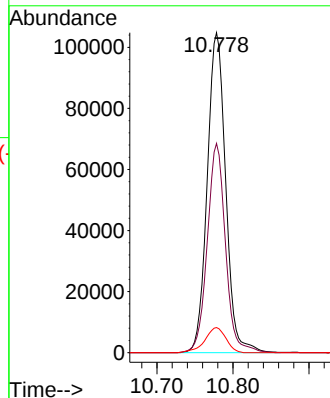
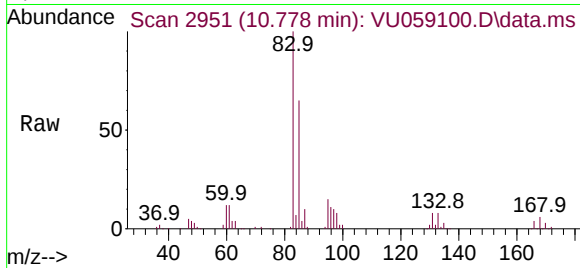
Tgt Ion: 83 Resp: 177042

Ion Ratio Lower Upper

83 100

85 65.4 46.1 85.7

131 7.9 7.0 10.4



#59

Bromoform

Concen: 41.815 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.006 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

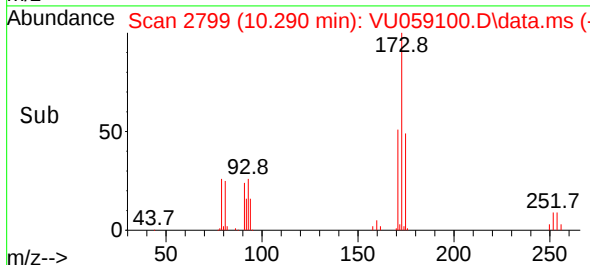
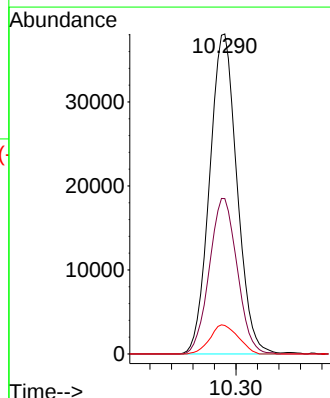
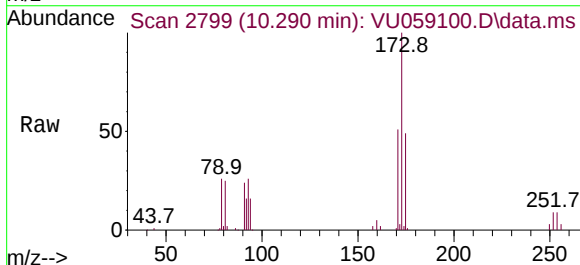
Tgt Ion:173 Resp: 67354

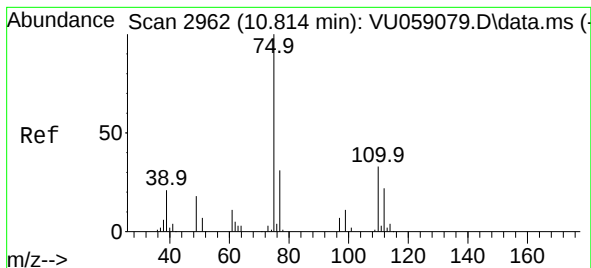
Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.6

254 9.4 7.5 11.3





#60

1,2,3-Trichloropropane

Concen: 41.267 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

ClientSampleId :

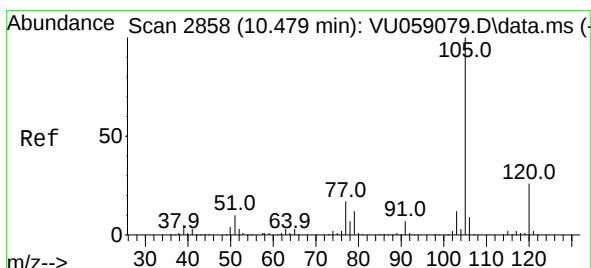
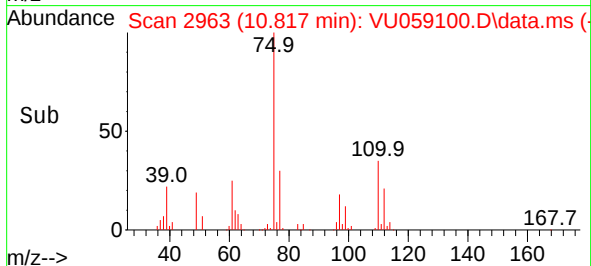
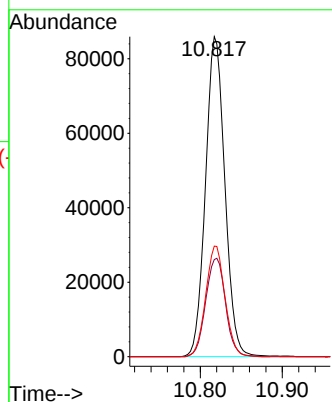
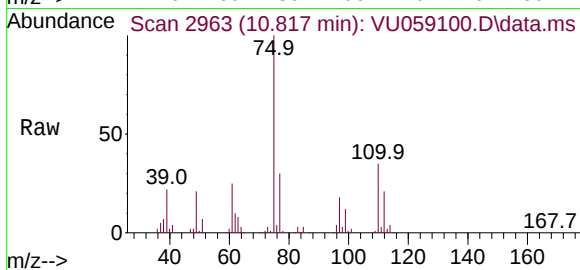
Tgt Ion: 75 Resp: 140982

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

110 34.4 28.4 42.6



#61

Isopropylbenzene

Concen: 43.333 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

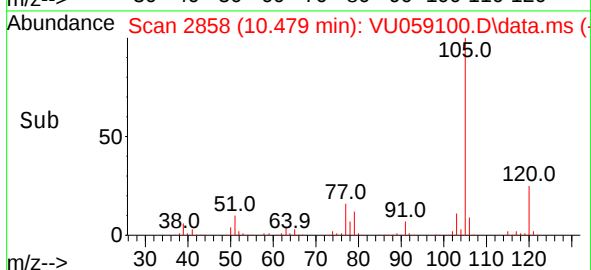
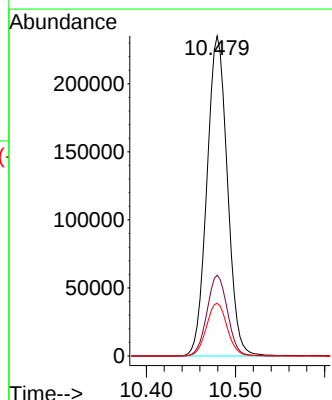
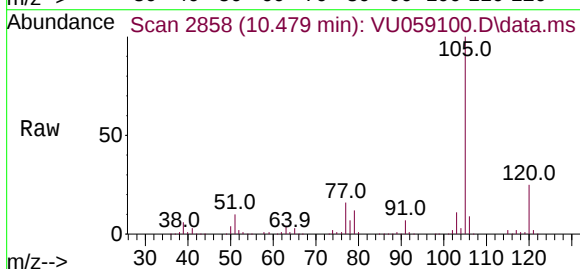
Tgt Ion:105 Resp: 374532

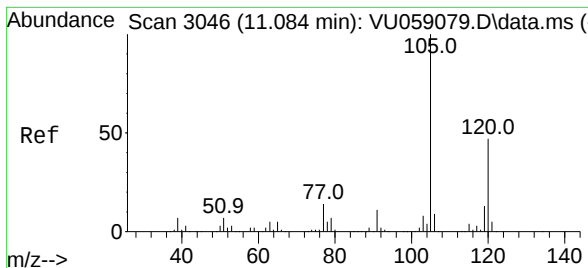
Ion Ratio Lower Upper

105 100

120 25.2 20.3 30.5

77 16.7 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 44.036 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

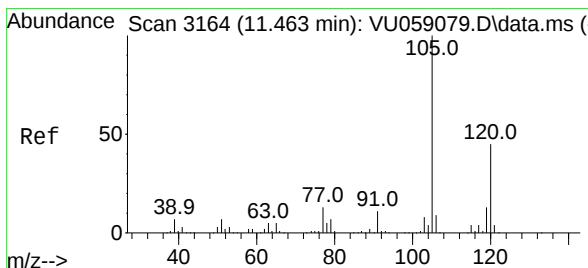
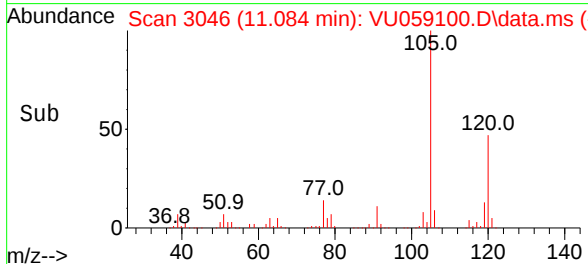
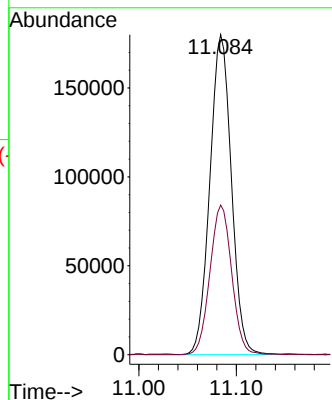
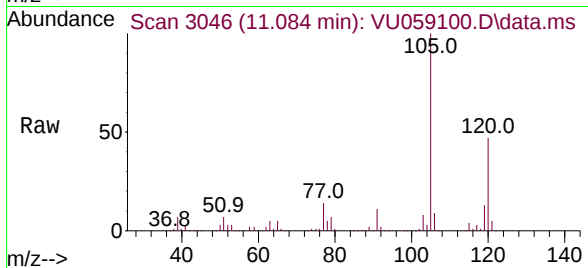
ClientSampleId :

Tgt Ion:105 Resp: 275764

Ion Ratio Lower Upper

105 100

120 47.3 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 45.316 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU059100.D

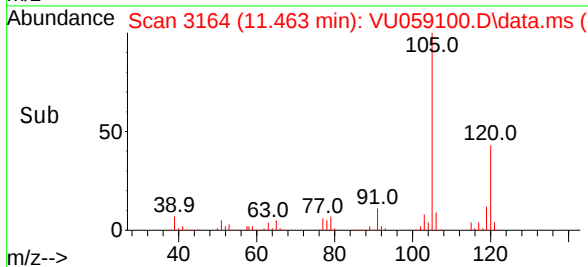
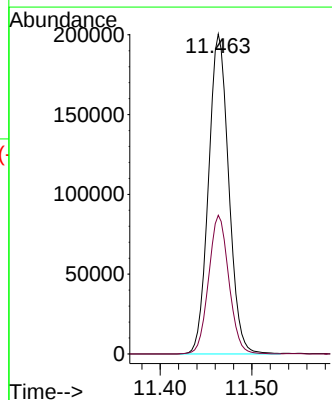
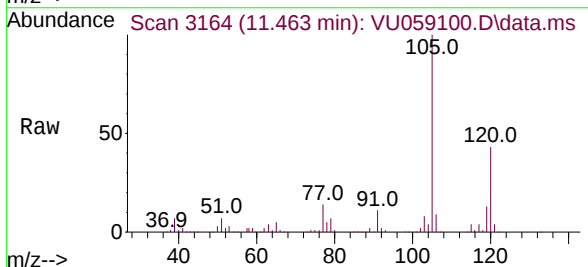
Acq: 30 May 2024 17:30

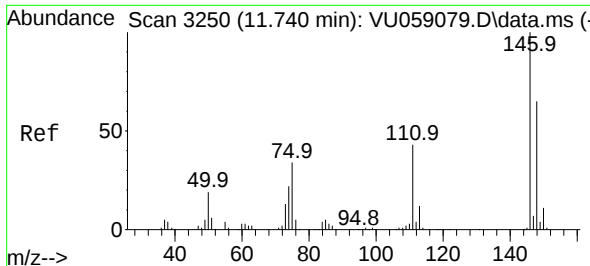
Tgt Ion:105 Resp: 307628

Ion Ratio Lower Upper

105 100

120 43.3 35.0 52.6





#64

1,3-Dichlorobenzene

Concen: 45.462 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

ClientSampleId :

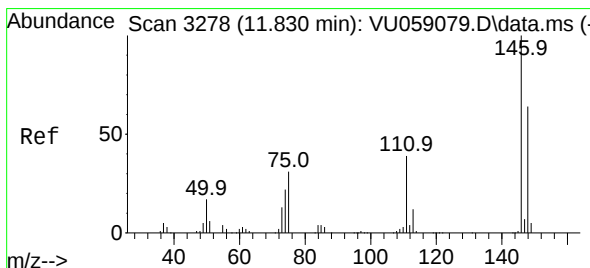
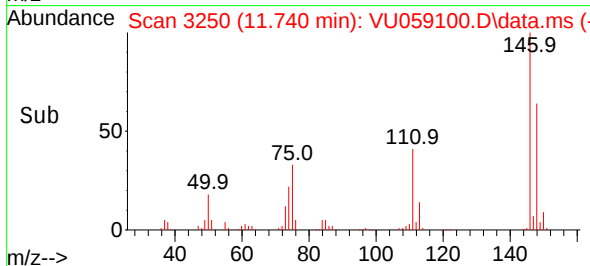
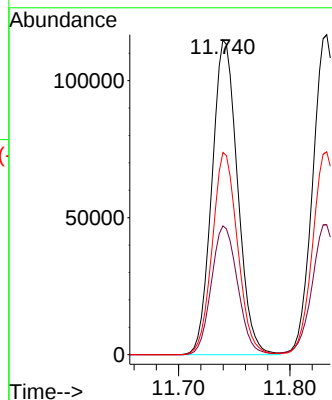
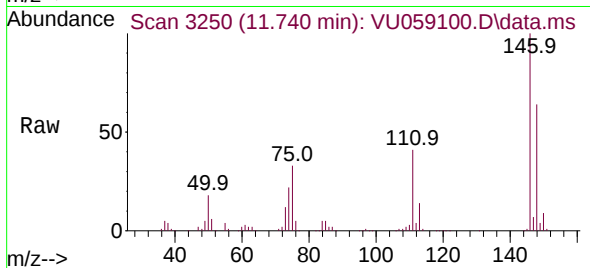
Tgt Ion:146 Resp: 183646

Ion Ratio Lower Upper

146 100

111 40.9 28.7 53.3

148 64.3 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 45.321 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

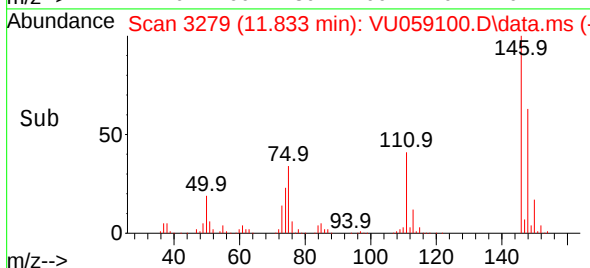
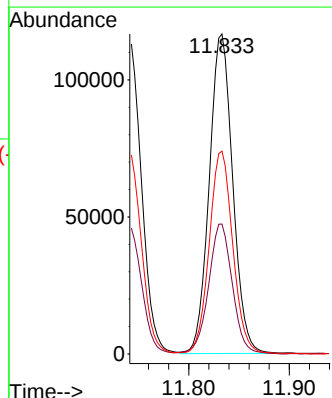
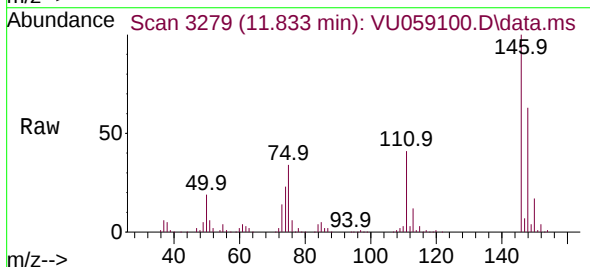
Tgt Ion:146 Resp: 189072

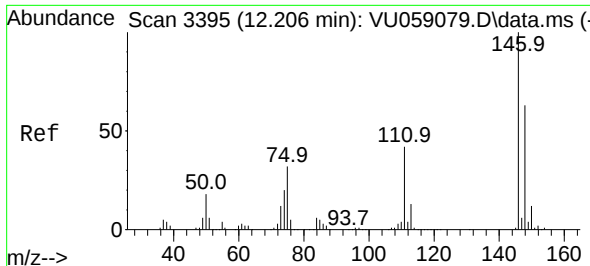
Ion Ratio Lower Upper

146 100

111 40.6 27.9 51.9

148 63.4 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 42.747 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

ClientSampleId :

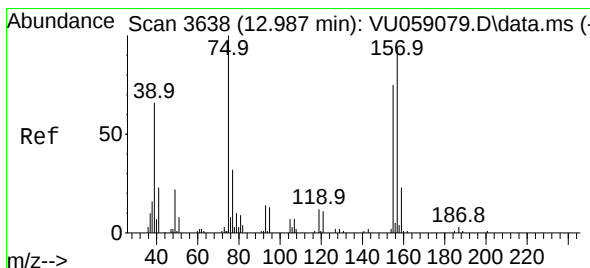
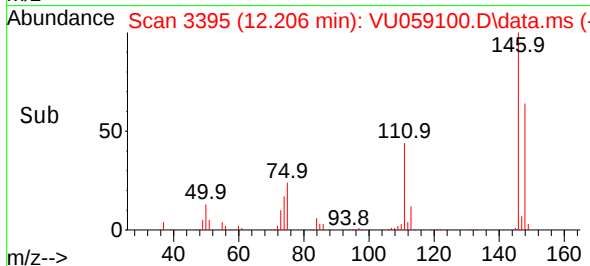
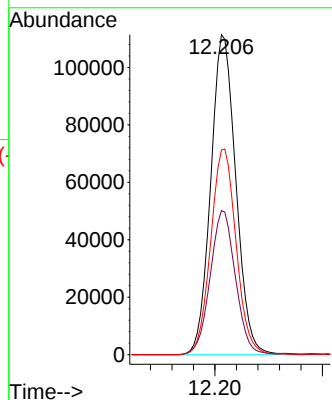
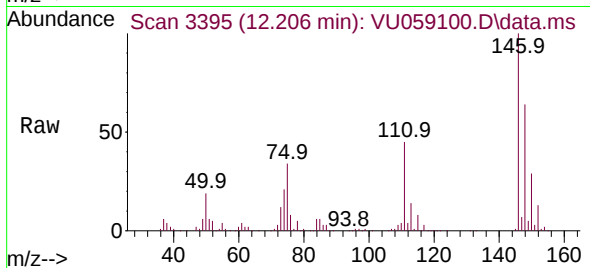
Tgt Ion:146 Resp: 180478

Ion Ratio Lower Upper

146 100

111 45.1 33.4 50.2

148 64.0 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 40.455 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

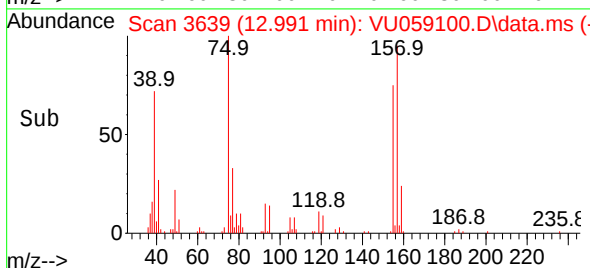
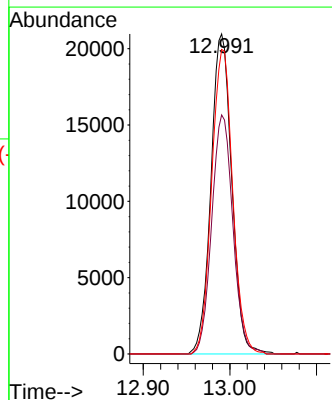
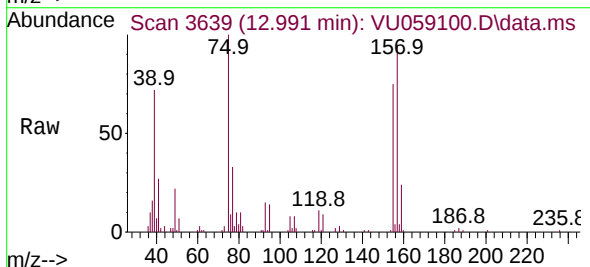
Tgt Ion: 75 Resp: 35038

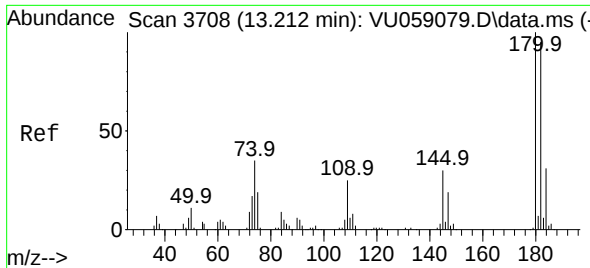
Ion Ratio Lower Upper

75 100

155 78.5 57.5 86.3

157 95.2 73.4 110.2





#69

1,3,5-Trichlorobenzene

Concen: 44.098 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

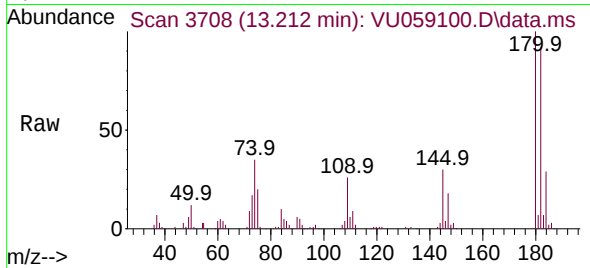
Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 117645

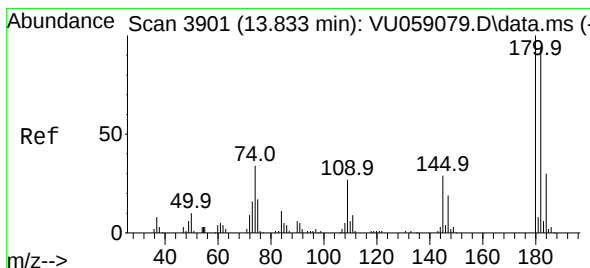
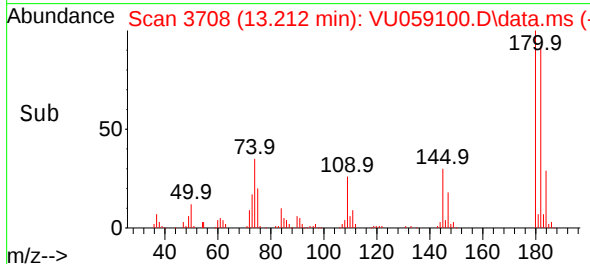
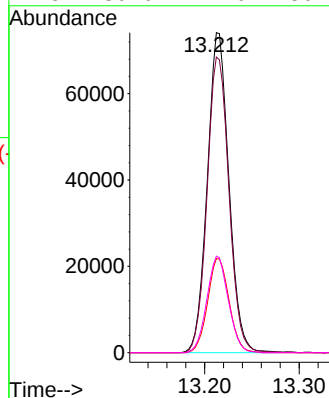
Ion Ratio Lower Upper

180 100

182 93.5 75.6 113.4

184 29.2 24.2 36.2

145 30.0 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 45.887 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

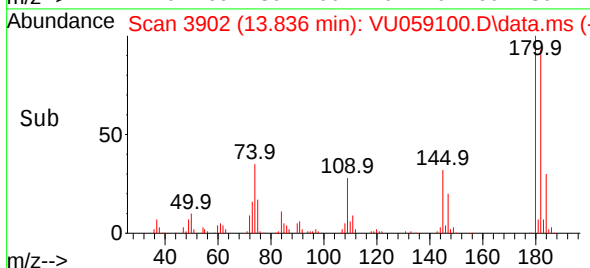
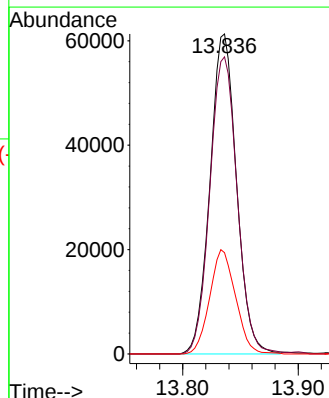
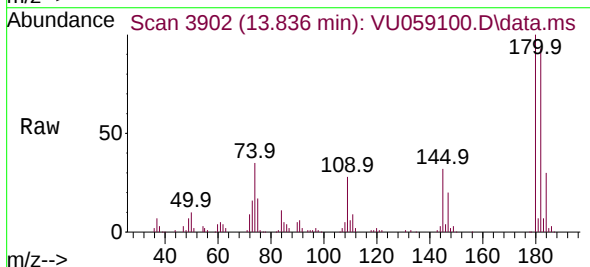
Tgt Ion:180 Resp: 97774

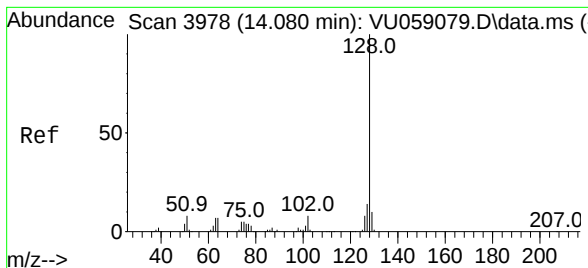
Ion Ratio Lower Upper

180 100

182 95.6 77.4 116.2

145 31.8 24.8 37.2





#71

Naphthalene

Concen: 44.944 ug/L

RT: 14.081 min Scan# 30

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA\_U

ClientSampleId :

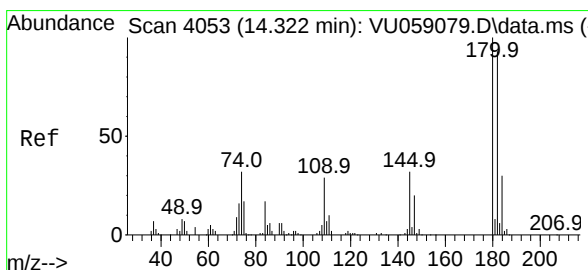
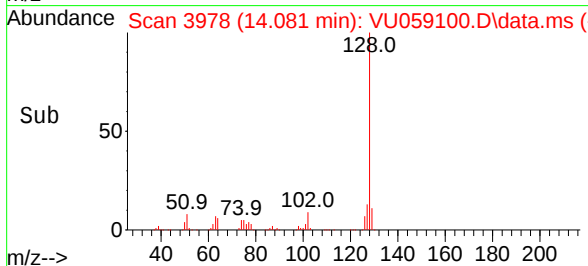
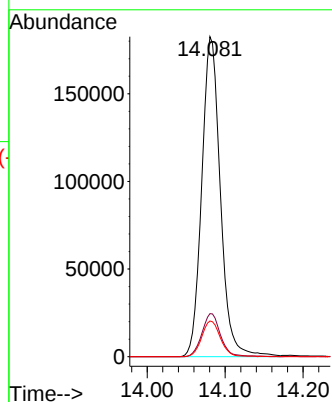
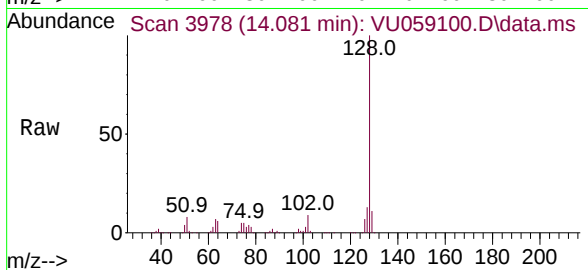
Tgt Ion:128 Resp: 303126

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 11.1 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 46.335 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Tgt Ion:180 Resp: 100374

Ion Ratio Lower Upper

180 100

182 93.2 76.2 114.4

145 34.0 26.4 39.6

