

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072122\  
 Data File : VW026877.D  
 Acq On : 21 Jul 2022 16:34  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 22 05:57:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR071122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jul 22 05:53:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 228639   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 231485   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 127728   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 91776    | 4.400    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 88.000%  |
| 7) Chloroethane-d5            | 1.561  | 69    | 80920    | 4.490    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 176692   | 4.412    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 88.200%  |
| 20) 2-Butanone-d5             | 3.889  | 46    | 165295   | 50.775   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 101.540% |
| 24) Chloroform-d              | 4.342  | 84    | 182792   | 5.012    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.200% |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 77011    | 4.833    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.600%  |
| 32) Benzene-d6                | 5.047  | 84    | 351725   | 5.000    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.000% |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 105578   | 5.006    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.200% |
| 41) Toluene-d8                | 7.313  | 98    | 323414   | 5.180    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 103.600% |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 32953    | 4.776    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 95.600%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 137251   | 45.943   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 91.880%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 79243    | 4.823    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 96.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 106290   | 4.776    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 143189   | 4.926    | ug/L   | 99       |
| 3) Chloromethane              | 1.240  | 50    | 122458   | 4.390    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.307  | 62    | 133789   | 4.711    | ug/L   | 99       |
| 6) Bromomethane               | 1.516  | 94    | 75331    | 4.431    | ug/L   | 98       |
| 8) Chloroethane               | 1.581  | 64    | 80345    | 4.801    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.748  | 101   | 181125   | 5.018    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111  | 101   | 104471   | 5.053    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.111  | 96    | 98683    | 4.922    | ug/L   | 92       |
| 13) Acetone                   | 2.179  | 43    | 127993   | 46.729   | ug/L # | 27       |
| 14) Carbon disulfide          | 2.288  | 76    | 282876   | 4.789    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.436  | 43    | 32304    | 5.831    | ug/L   | 95       |
| 16) Methylene chloride        | 2.500  | 84    | 154598   | 6.474    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 182372   | 5.280    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 2.754  | 96    | 101954   | 5.533    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.182  | 63    | 187291   | 5.566    | ug/L   | 98       |
| 21) 2-Butanone                | 3.973  | 43    | 184684   | 57.816   | ug/L   | 100      |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 103171   | 5.552    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.243  | 128   | 48276    | 5.639    | ug/L   | 95       |
| 25) Chloroform                | 4.368  | 83    | 202281   | 5.740    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072122\  
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 Acq On : 21 Jul 2022 16:34  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

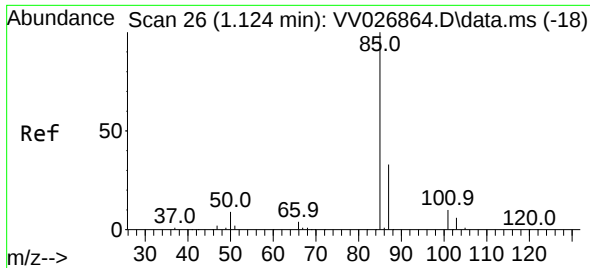
Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 22 05:57:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR071122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jul 22 05:53:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 100209   | 5.277  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 169308   | 5.428  | ug/L  | 98       |
| 30) Cyclohexane               | 4.674  | 56   | 128380   | 4.830  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 149286   | 5.419  | ug/L  | 96       |
| 33) Benzene                   | 5.095  | 78   | 420236   | 5.430  | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 105247   | 5.533  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.127  | 83   | 142835   | 4.920  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 107275   | 5.797  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 132416   | 5.489  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 122092   | 5.309  | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 449876   | 52.628 | ug/L  | 99       |
| 42) Toluene                   | 7.384  | 91   | 443847   | 5.679  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 102838   | 5.446  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 74643    | 5.518  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.973  | 164  | 83602    | 5.604  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.137  | 43   | 334689   | 54.098 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.243  | 129  | 87372    | 5.604  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 66539    | 5.559  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.879  | 112  | 275469   | 5.574  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.011  | 91   | 409867   | 5.299  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.136  | 106  | 166036   | 5.520  | ug/L  | 99       |
| 54) o-Xylene                  | 9.542  | 106  | 157406   | 5.506  | ug/L  | 96       |
| 55) Styrene                   | 9.558  | 104  | 285659   | 5.702  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 83615    | 5.221  | ug/L  | 97       |
| 59) Bromoform                 | 9.728  | 173  | 40494    | 4.941  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.931  | 105  | 414230   | 5.200  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 58338    | 4.953  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 318608   | 5.027  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 323389   | 5.024  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 216016   | 5.534  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 212395   | 5.352  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 192314   | 5.276  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 11657    | 4.668  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 146989   | 5.328  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 106676   | 5.084  | ug/L  | 97       |
| 71) Naphthalene               | 13.500 | 128  | 152463   | 4.386  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 97663    | 5.002  | ug/L  | 99       |

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

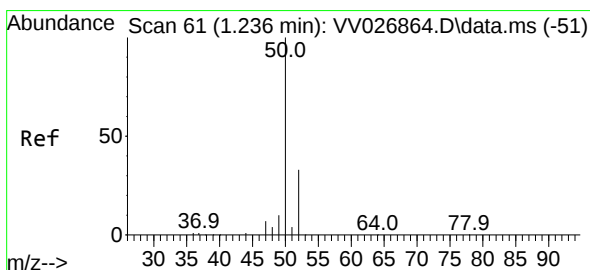
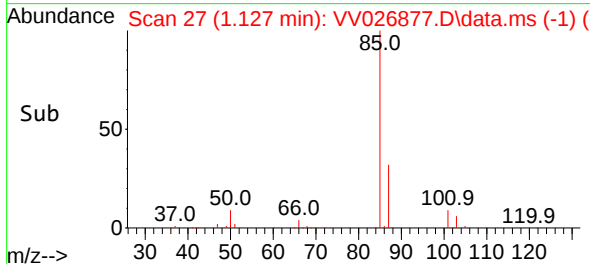
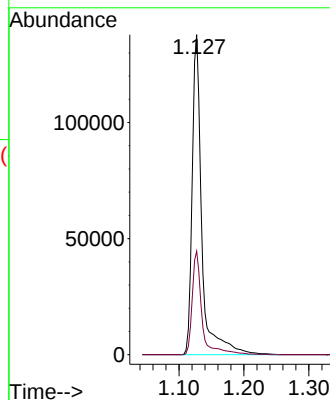
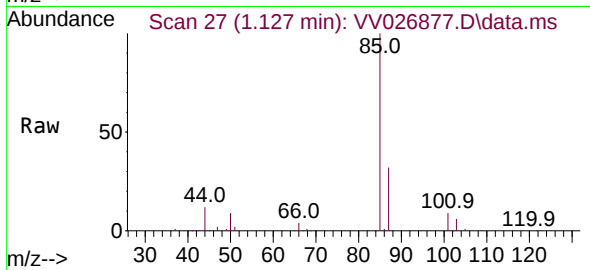




#2  
 Dichlorodifluoromethane  
 Concen: 4.926 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VV026877.D  
 Acq: 21 Jul 2022 16:34

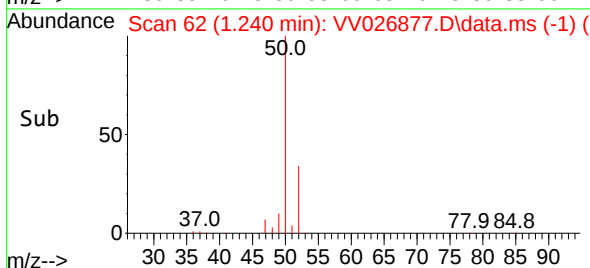
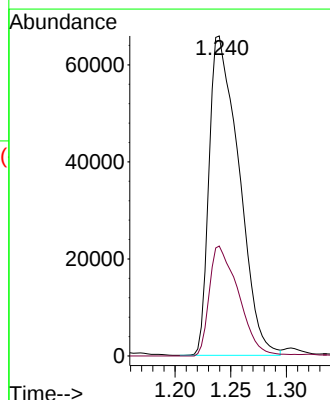
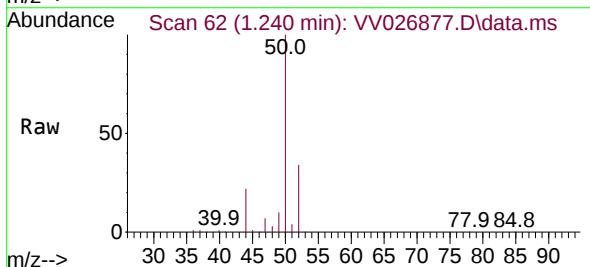
Instrument :  
 MSVOA\_V  
 ClientSampleId :

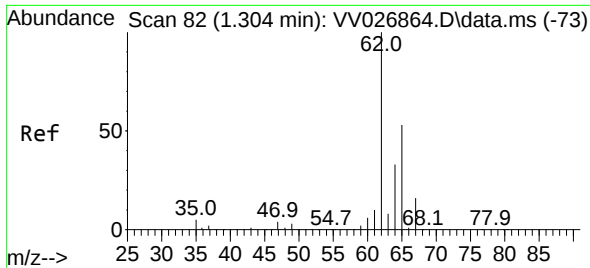
Tgt Ion: 85 Resp: 143189  
 Ion Ratio Lower Upper  
 85 100  
 87 32.6 25.8 38.8



#3  
 Chloromethane  
 Concen: 4.390 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.003 min  
 Lab File: VV026877.D  
 Acq: 21 Jul 2022 16:34

Tgt Ion: 50 Resp: 122458  
 Ion Ratio Lower Upper  
 50 100  
 52 34.4 22.8 42.4

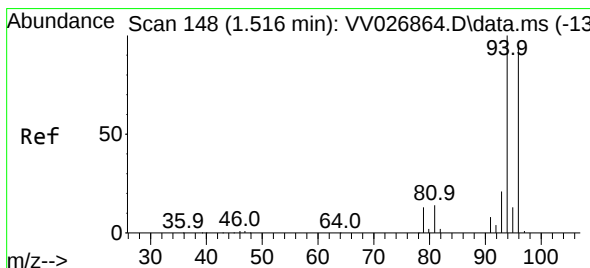
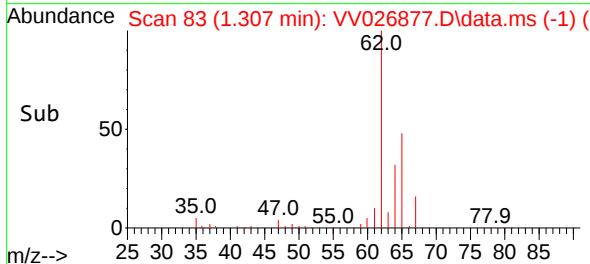
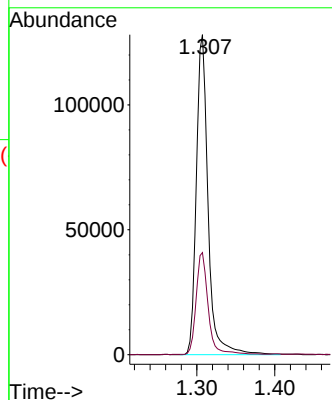
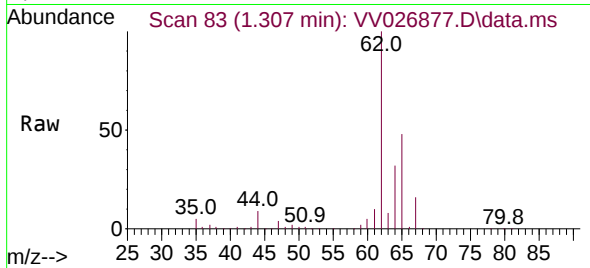




#5  
 Vinyl chloride  
 Concen: 4.711 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. 0.003 min  
 Lab File: VV026877.D  
 Acq: 21 Jul 2022 16:34

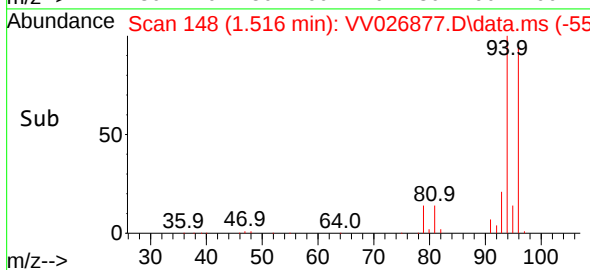
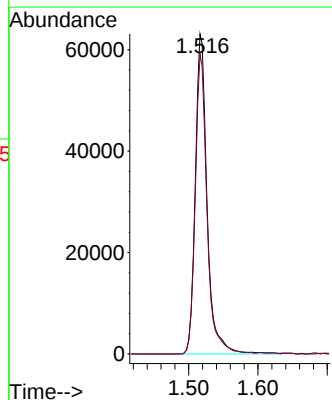
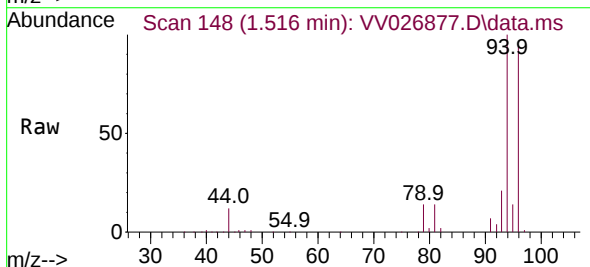
Instrument :  
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 ClientSampleId :

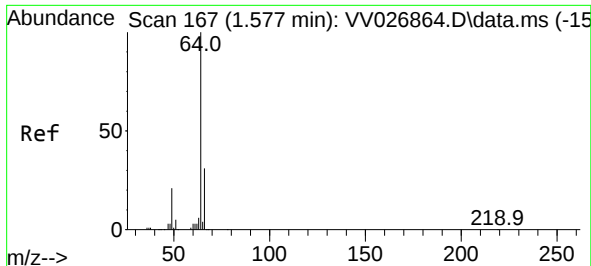
Tgt Ion: 62 Resp: 133789  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 22.9 42.5



#6  
 Bromomethane  
 Concen: 4.431 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. 0.000 min  
 Lab File: VV026877.D  
 Acq: 21 Jul 2022 16:34

Tgt Ion: 94 Resp: 75331  
 Ion Ratio Lower Upper  
 94 100  
 96 93.6 67.1 124.7

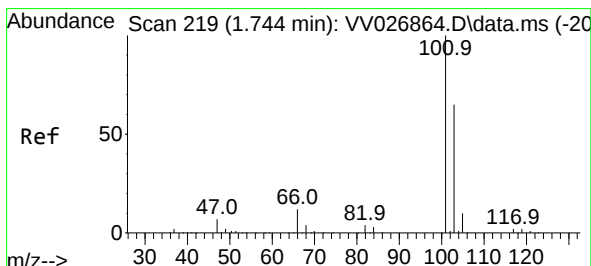
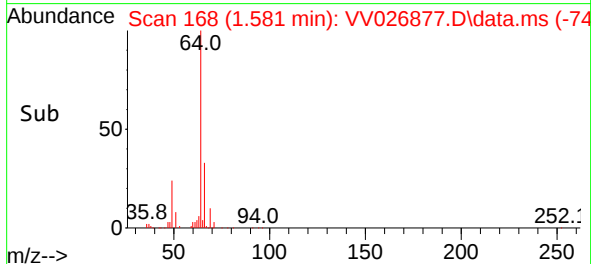
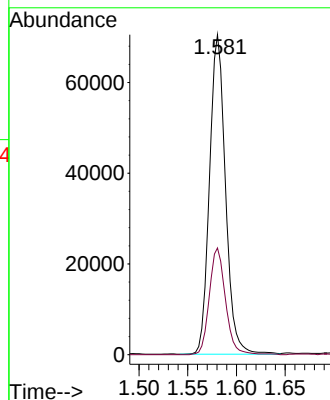
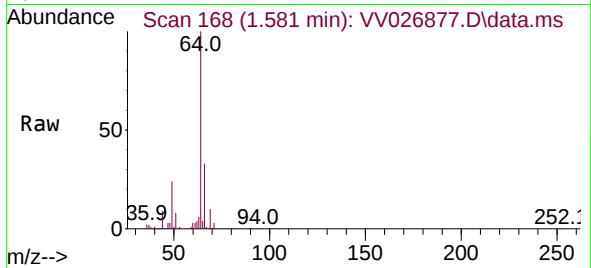




#8  
Chloroethane  
Concen: 4.801 ug/L  
RT: 1.581 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

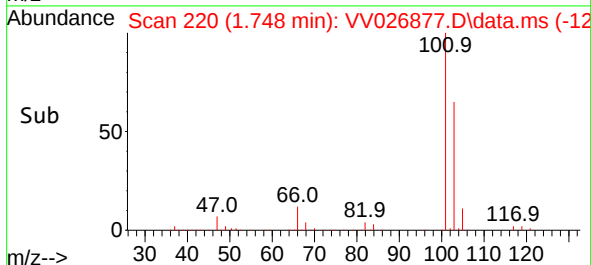
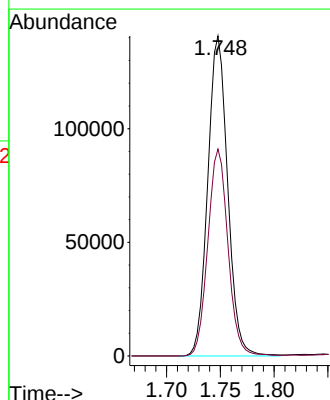
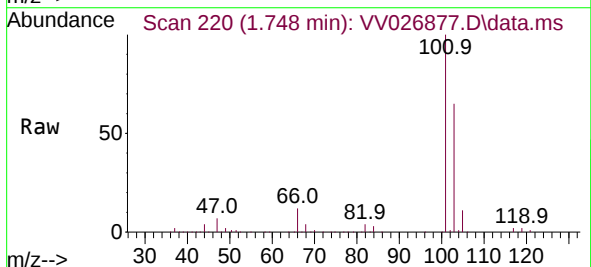
Instrument :  
MSVOA\_V  
ClientSampleId :

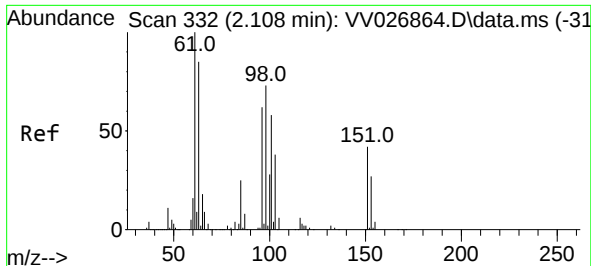
Tgt Ion: 64 Resp: 80345  
Ion Ratio Lower Upper  
64 100  
66 33.4 23.9 44.5



#9  
Trichlorofluoromethane  
Concen: 5.018 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. 0.003 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

Tgt Ion:101 Resp: 181125  
Ion Ratio Lower Upper  
101 100  
103 65.3 51.6 77.4

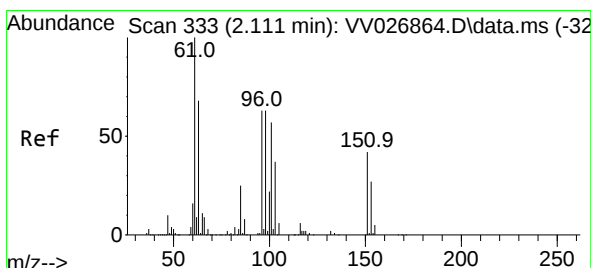
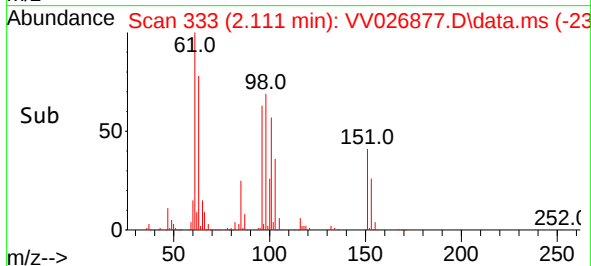
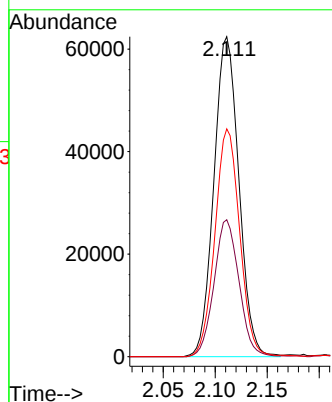
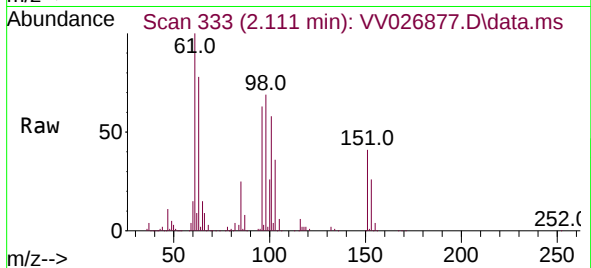




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.053 ug/L  
RT: 2.111 min Scan# 333  
Delta R.T. 0.003 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

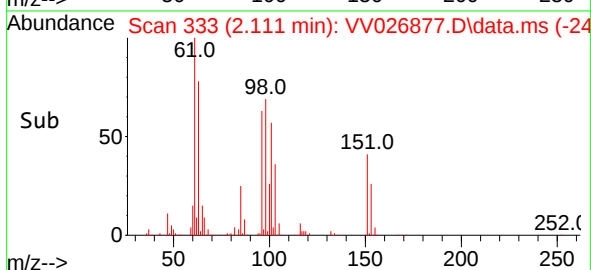
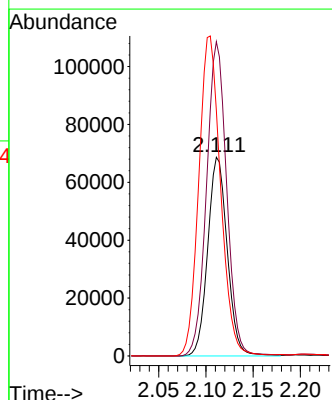
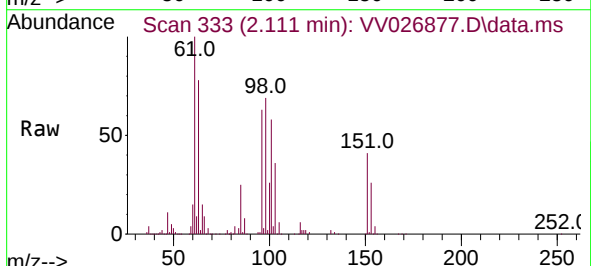
Instrument :  
MSVOA\_V  
ClientSampleId :

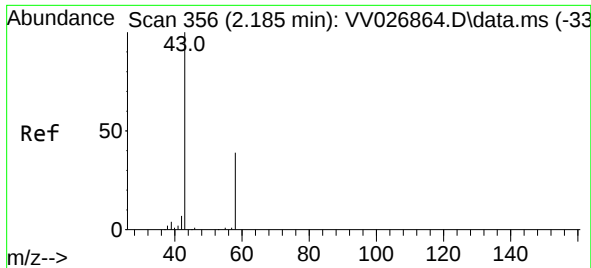
Tgt Ion:101 Resp: 104471  
Ion Ratio Lower Upper  
101 100  
85 42.7 35.0 52.4  
151 70.7 56.7 85.1



#12  
1,1-Dichloroethene  
Concen: 4.922 ug/L  
RT: 2.111 min Scan# 333  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

Tgt Ion: 96 Resp: 98683  
Ion Ratio Lower Upper  
96 100  
61 158.0 118.3 219.7  
63 123.5 79.9 148.3





#13

Acetone

Concen: 46.729 ug/L

RT: 2.179 min Scan# 356

Delta R.T. -0.006 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

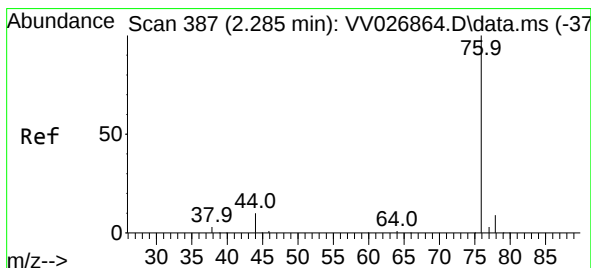
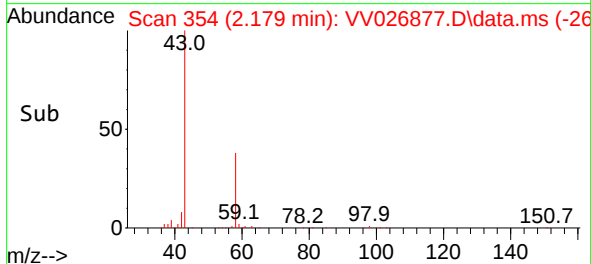
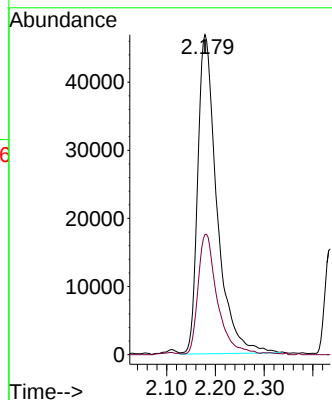
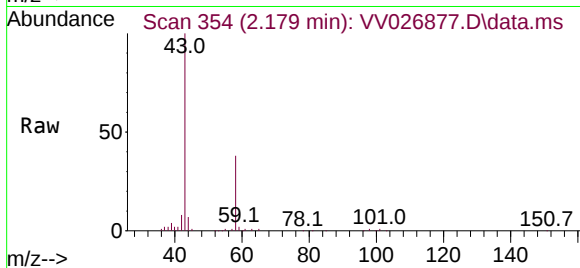
ClientSampleId :

Tgt Ion: 43 Resp: 127993

Ion Ratio Lower Upper

43 100

58 37.4 0.0 20.6#



#14

Carbon disulfide

Concen: 4.789 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

Lab File: VV026877.D

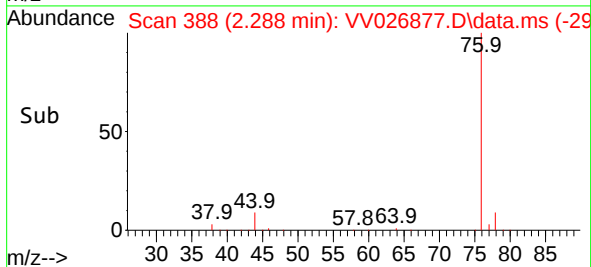
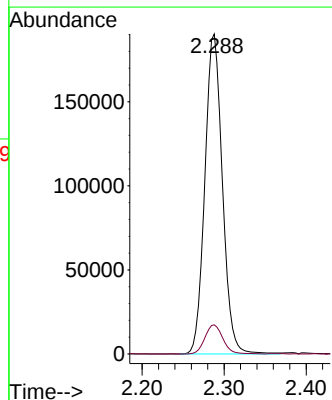
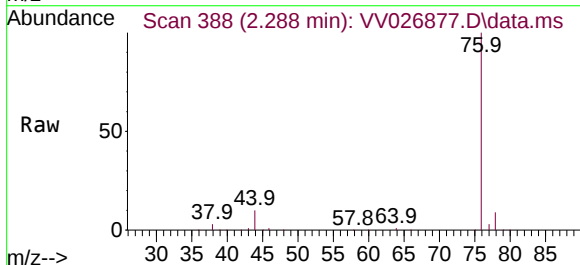
Acq: 21 Jul 2022 16:34

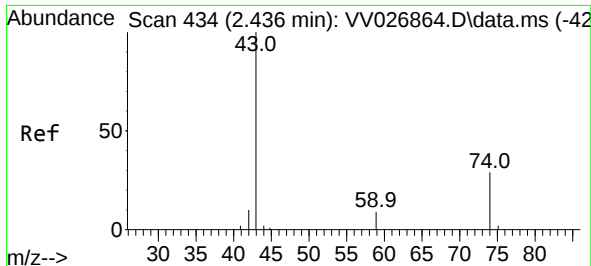
Tgt Ion: 76 Resp: 282876

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5

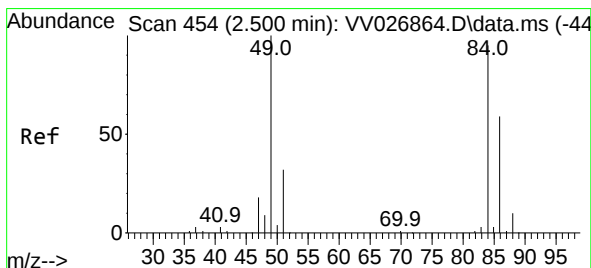
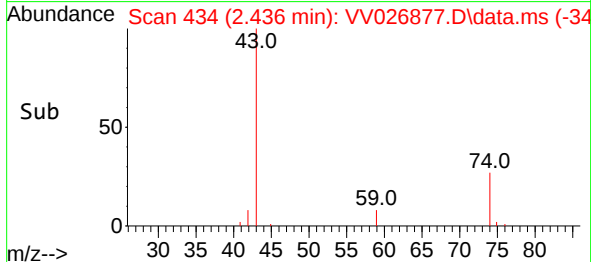
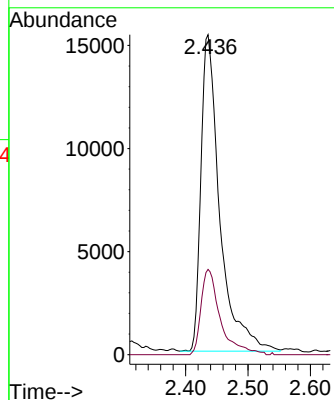
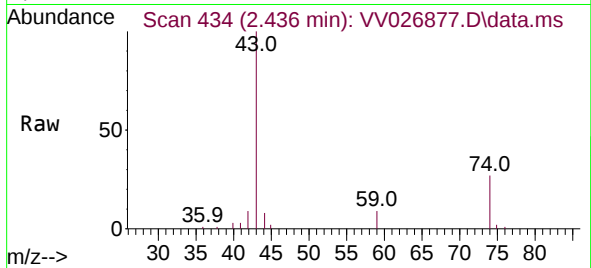




#15  
Methyl Acetate  
Concen: 5.831 ug/L  
RT: 2.436 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

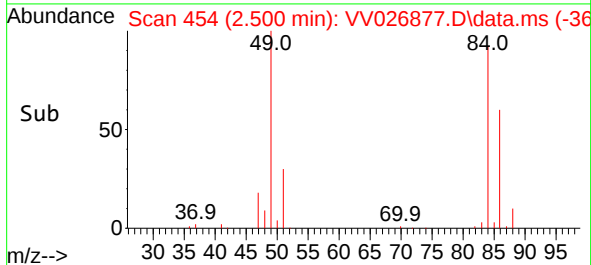
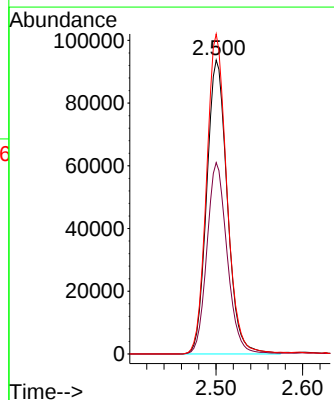
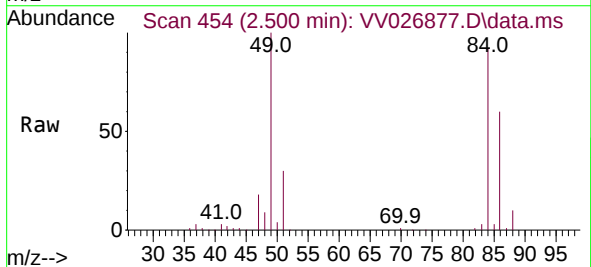
Instrument :  
MSVOA\_V  
ClientSampleId :

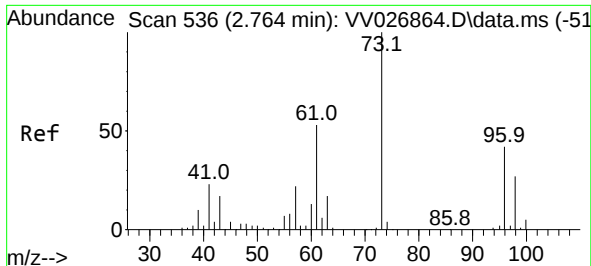
Tgt Ion: 43 Resp: 32304  
Ion Ratio Lower Upper  
43 100  
74 27.5 20.1 30.1



#16  
Methylene chloride  
Concen: 6.474 ug/L  
RT: 2.500 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

Tgt Ion: 84 Resp: 154598  
Ion Ratio Lower Upper  
84 100  
86 65.1 44.8 83.2  
49 108.8 78.7 146.1

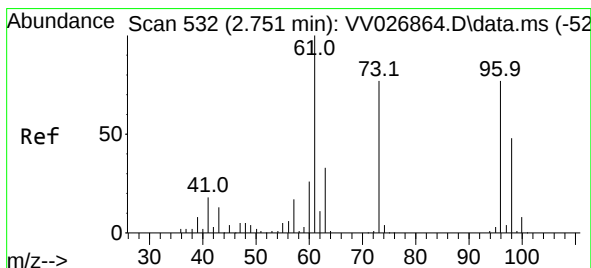
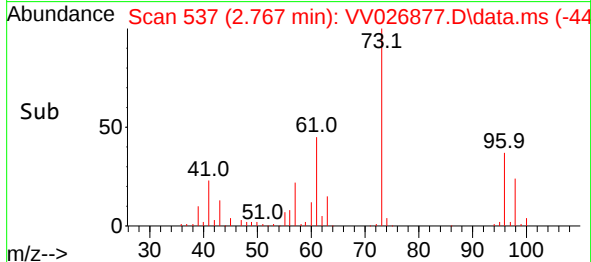
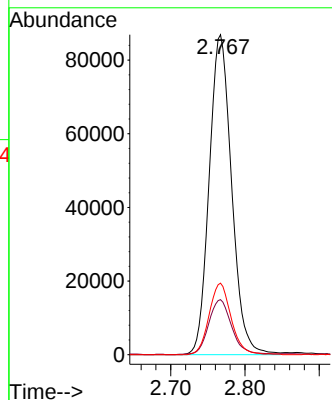
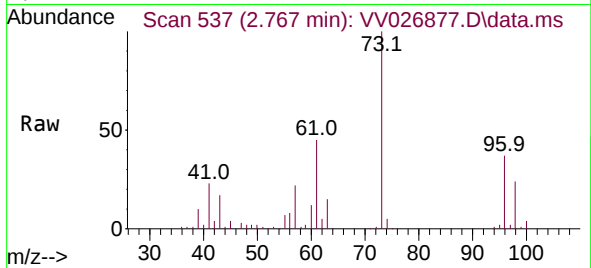




#17  
Methyl tert-butyl Ether  
Concen: 5.280 ug/L  
RT: 2.767 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

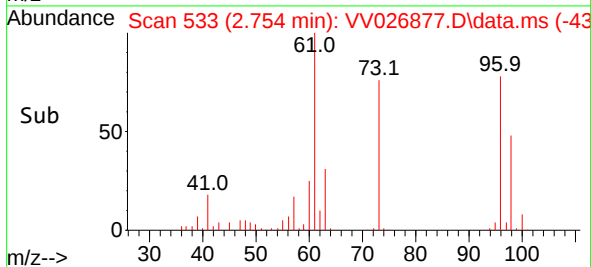
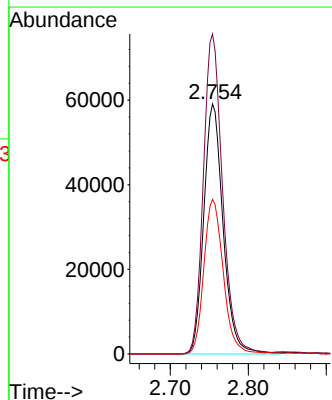
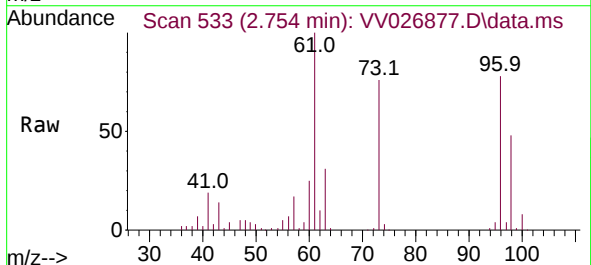
Instrument :  
MSVOA\_V  
ClientSampleId :

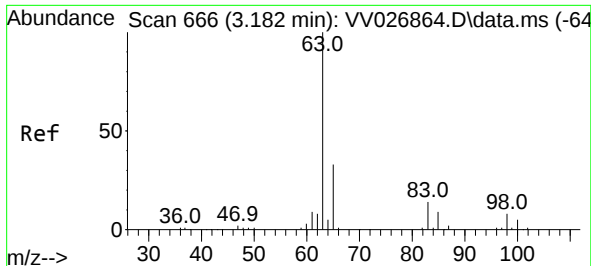
Tgt Ion: 73 Resp: 182372  
Ion Ratio Lower Upper  
73 100  
43 17.7 14.0 21.0  
57 21.8 17.6 26.4



#18  
trans-1,2-Dichloroethene  
Concen: 5.533 ug/L  
RT: 2.754 min Scan# 533  
Delta R.T. 0.003 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

Tgt Ion: 96 Resp: 101954  
Ion Ratio Lower Upper  
96 100  
61 128.0 94.7 175.9  
98 61.8 47.4 88.0





#19

1,1-Dichloroethane

Concen: 5.566 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

ClientSampleId :

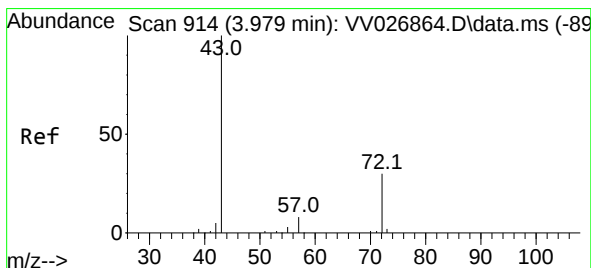
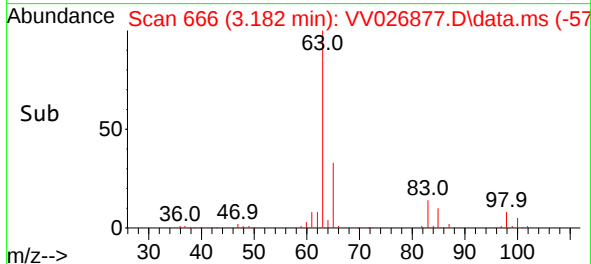
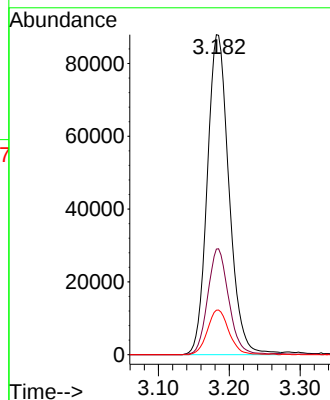
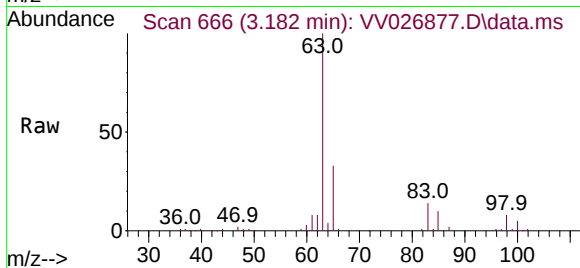
Tgt Ion: 63 Resp: 187291

Ion Ratio Lower Upper

63 100

65 33.0 22.3 41.3

83 13.9 9.9 18.5



#21

2-Butanone

Concen: 57.816 ug/L

RT: 3.973 min Scan# 912

Delta R.T. -0.006 min

Lab File: VV026877.D

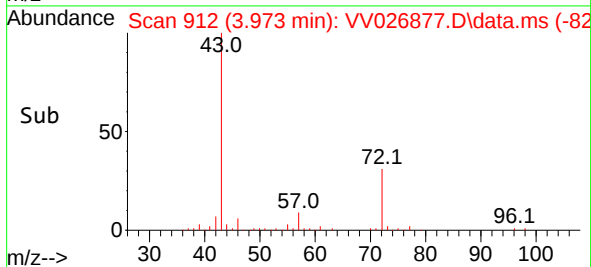
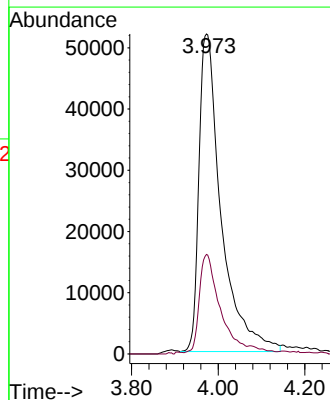
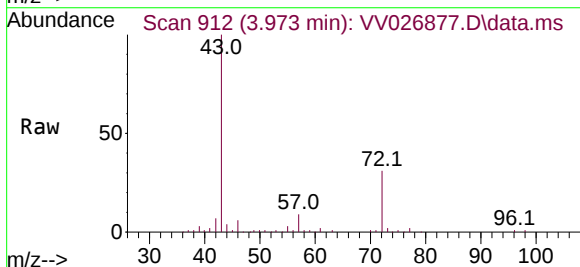
Acq: 21 Jul 2022 16:34

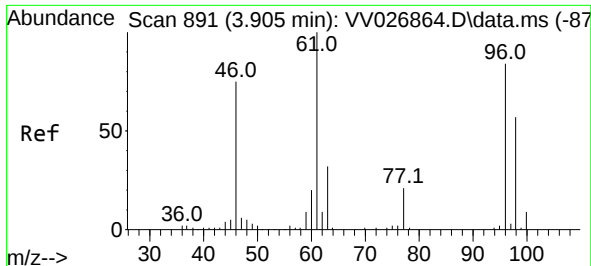
Tgt Ion: 43 Resp: 184684

Ion Ratio Lower Upper

43 100

72 28.0 13.9 41.7





#22

cis-1,2-Dichloroethene

Concen: 5.552 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

ClientSampleId :

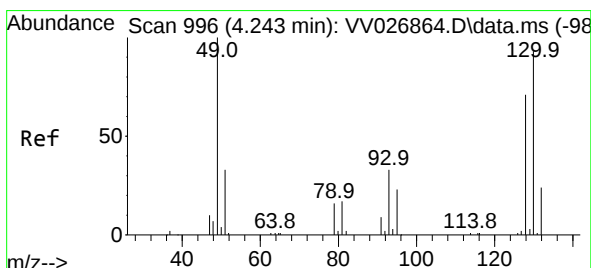
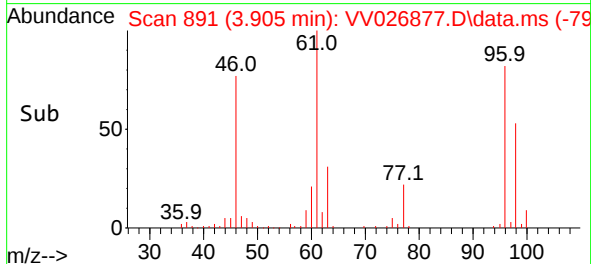
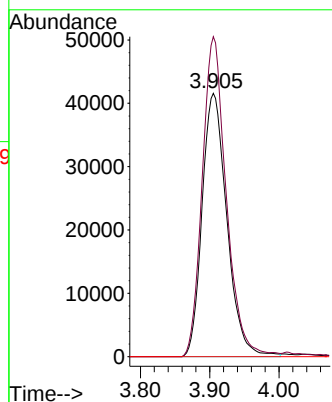
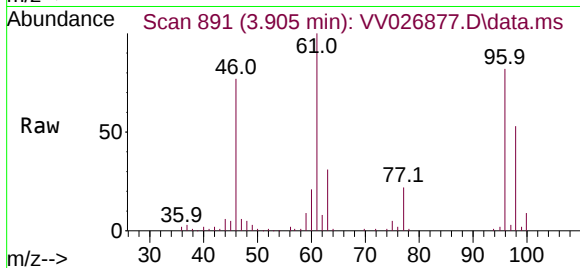
Tgt Ion: 96 Resp: 103171

Ion Ratio Lower Upper

96 100

61 121.5 83.9 155.9

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.639 ug/L

RT: 4.243 min Scan# 996

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Tgt Ion:128 Resp: 48276

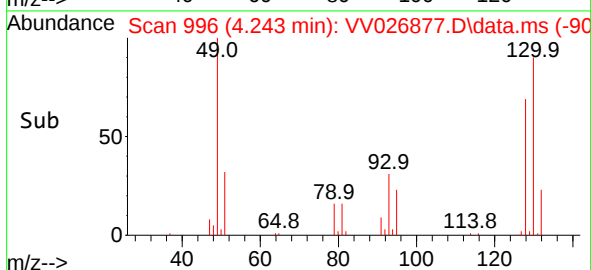
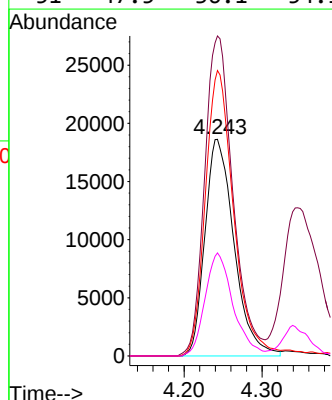
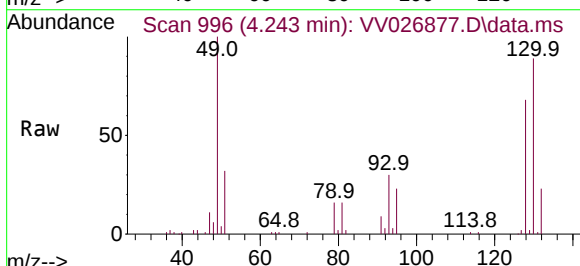
Ion Ratio Lower Upper

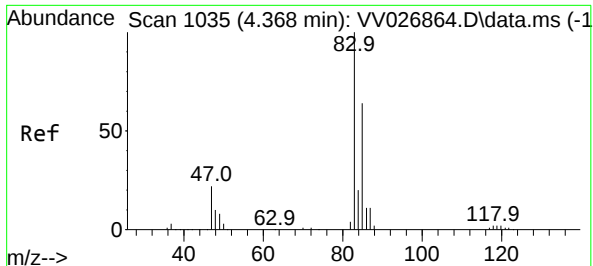
128 100

49 147.7 107.2 199.2

130 131.7 87.1 161.7

51 47.5 36.1 54.1





#25

Chloroform

Concen: 5.740 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

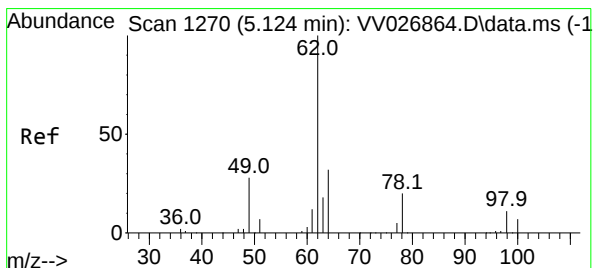
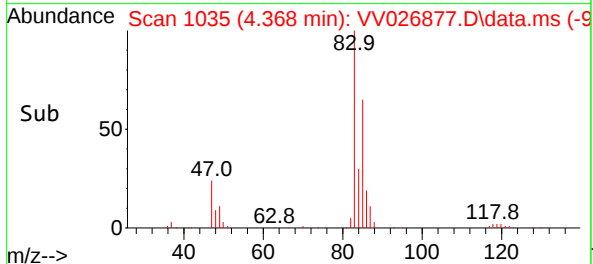
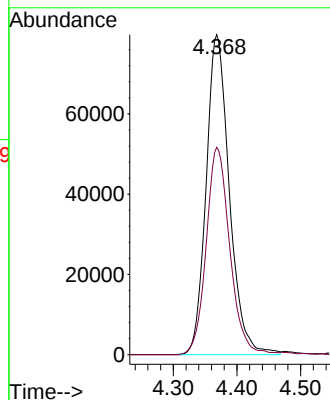
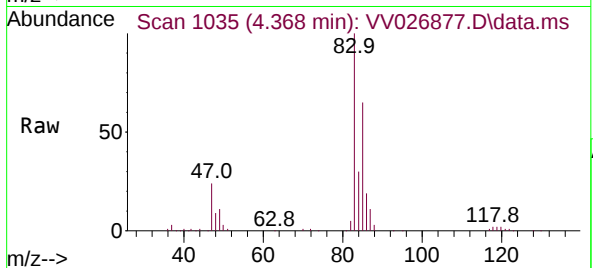
ClientSampleId :

Tgt Ion: 83 Resp: 202281

Ion Ratio Lower Upper

83 100

85 64.8 45.7 84.9



#27

1,2-Dichloroethane

Concen: 5.277 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VV026877.D

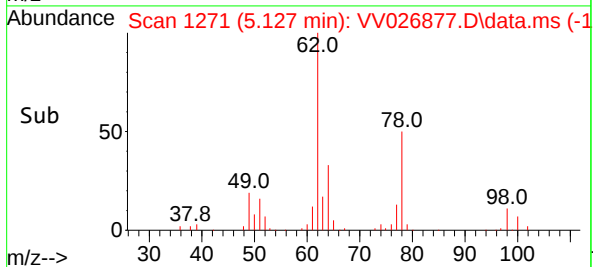
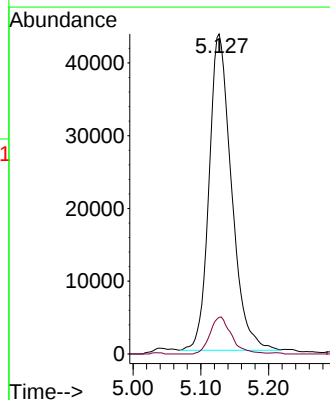
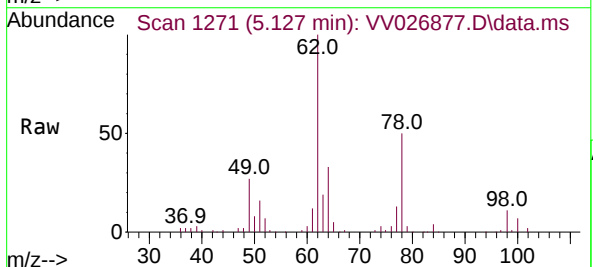
Acq: 21 Jul 2022 16:34

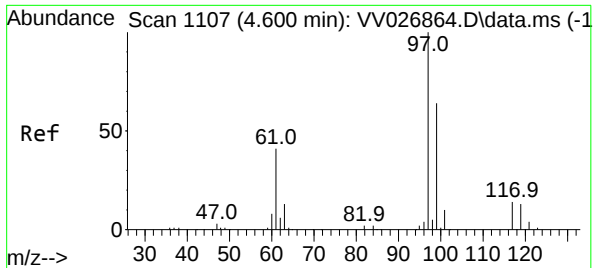
Tgt Ion: 62 Resp: 100209

Ion Ratio Lower Upper

62 100

98 11.5 8.3 12.5





#29

1,1,1-Trichloroethane

Concen: 5.428 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

ClientSampleId :

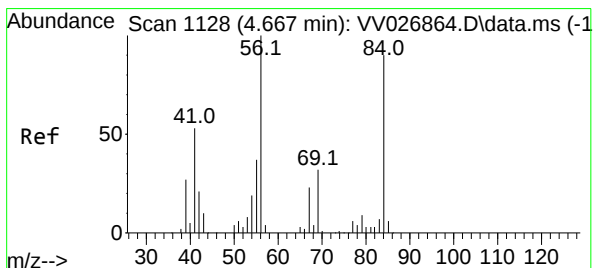
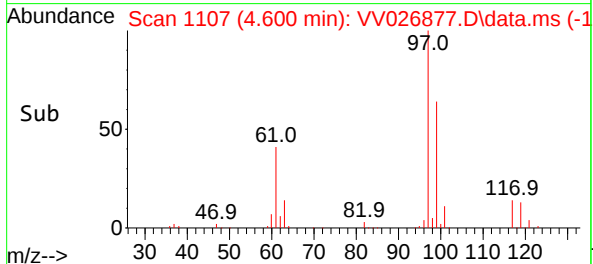
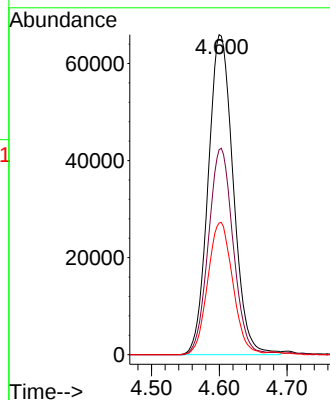
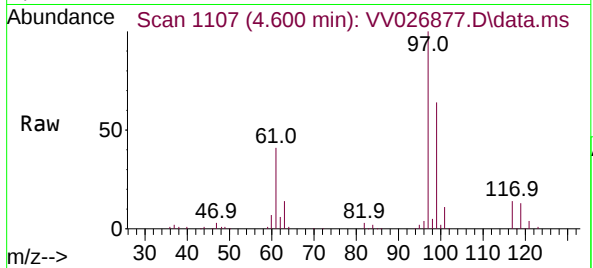
Tgt Ion: 97 Resp: 169308

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 41.4 35.1 52.7



#30

Cyclohexane

Concen: 4.830 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.007 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

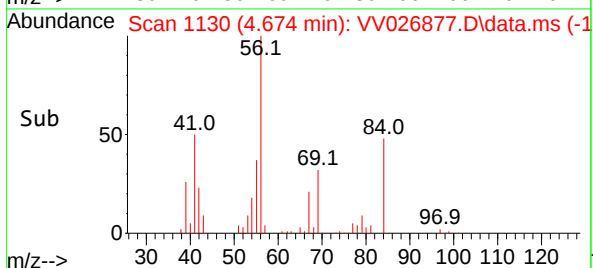
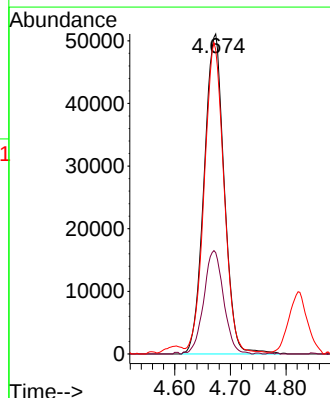
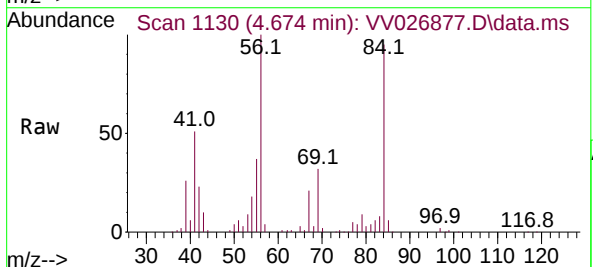
Tgt Ion: 56 Resp: 128380

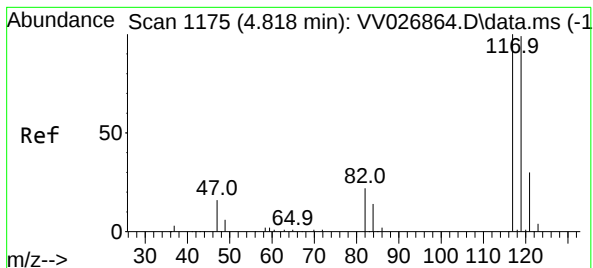
Ion Ratio Lower Upper

56 100

69 31.8 25.1 37.7

84 95.0 74.0 111.0





#31

Carbon tetrachloride

Concen: 5.419 ug/L

RT: 4.822 min Scan# 1175

Delta R.T. 0.003 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

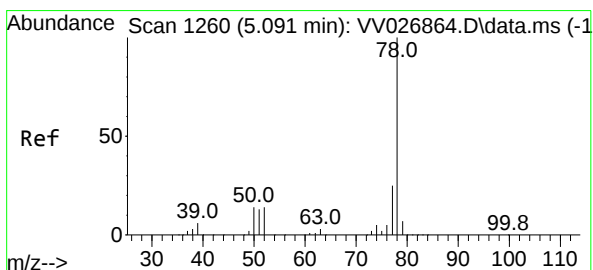
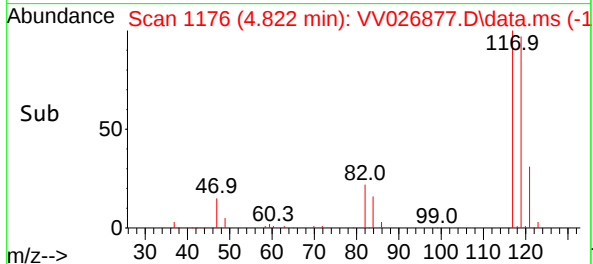
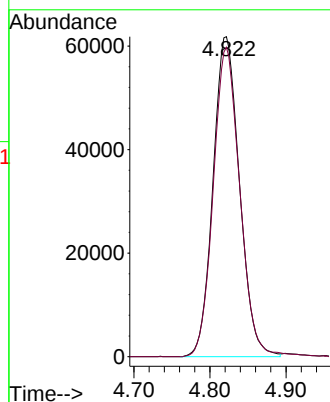
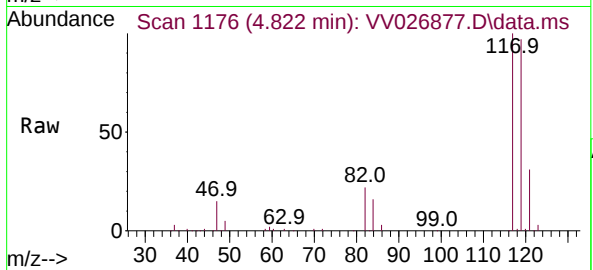
ClientSampleId :

Tgt Ion:117 Resp: 149286

Ion Ratio Lower Upper

117 100

119 97.4 75.1 112.7



#33

Benzene

Concen: 5.430 ug/L

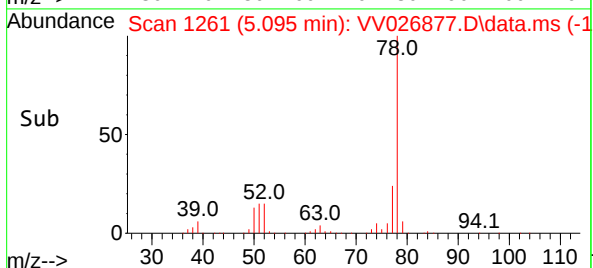
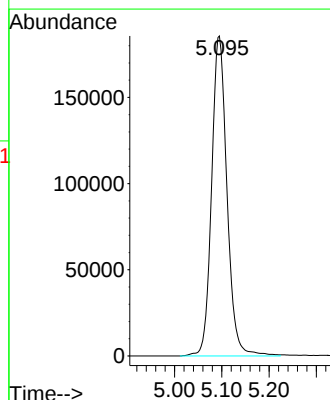
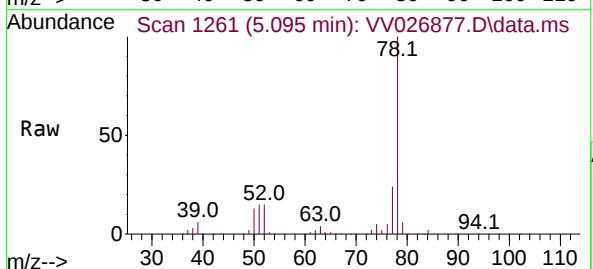
RT: 5.095 min Scan# 1261

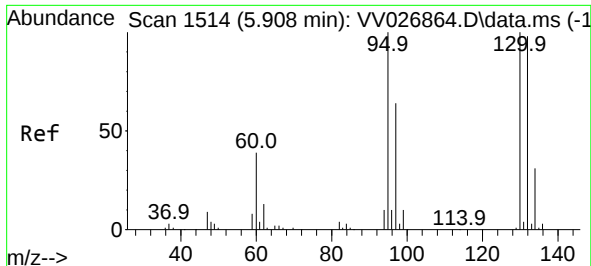
Delta R.T. 0.003 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Tgt Ion: 78 Resp: 420236

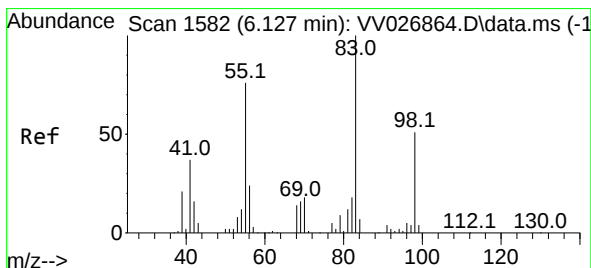
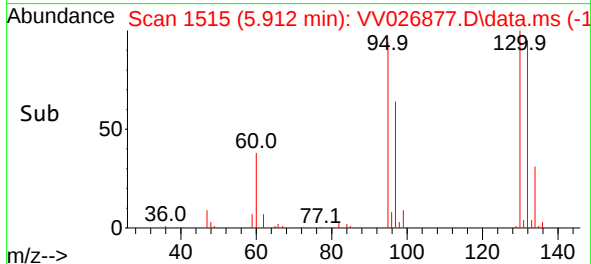
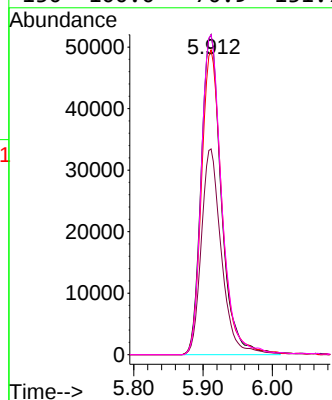
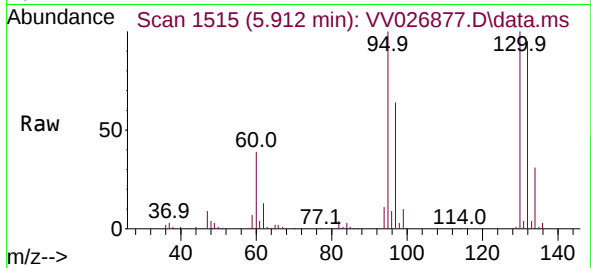




#34  
Trichloroethene  
Concen: 5.533 ug/L  
RT: 5.912 min Scan# 1515  
Delta R.T. 0.003 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

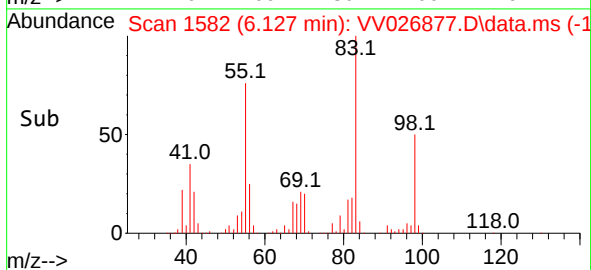
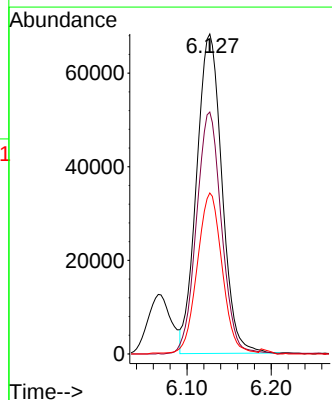
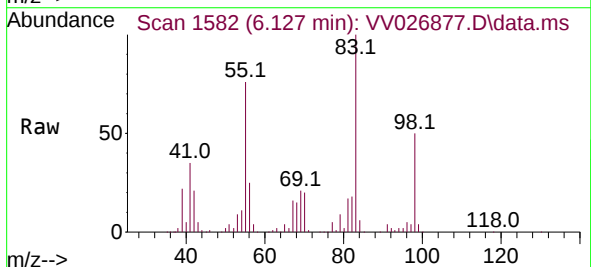
Instrument :  
MSVOA\_V  
ClientSampleId :

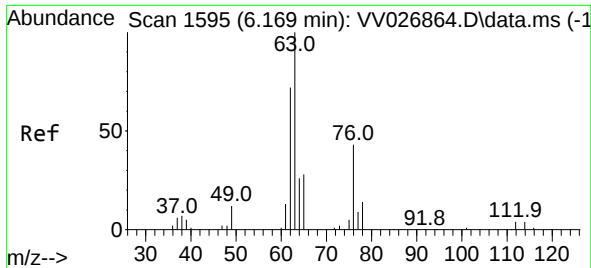
Tgt Ion: 95 Resp: 105247  
Ion Ratio Lower Upper  
95 100  
97 64.3 44.6 82.8  
132 95.3 70.2 130.4  
130 100.0 70.9 131.7



#35  
Methylcyclohexane  
Concen: 4.920 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

Tgt Ion: 83 Resp: 142835  
Ion Ratio Lower Upper  
83 100  
55 75.1 59.5 89.3  
98 48.7 38.3 57.5





#37

1,2-Dichloropropane

Concen: 5.797 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

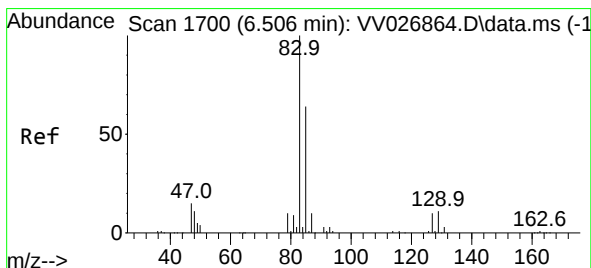
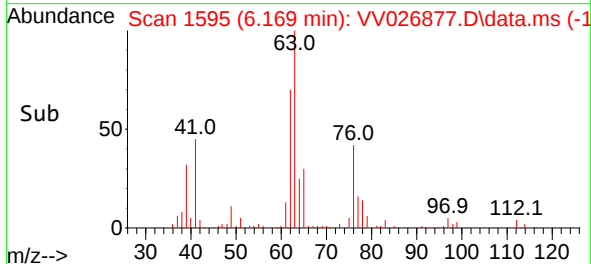
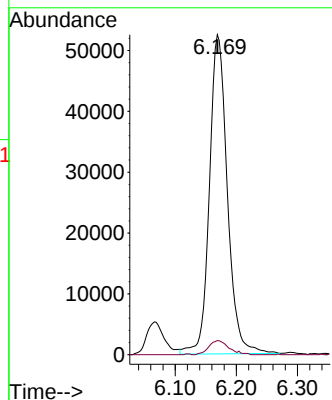
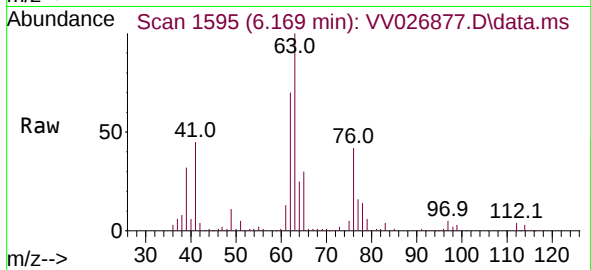
ClientSampleId :

Tgt Ion: 63 Resp: 107275

Ion Ratio Lower Upper

63 100

112 4.9 4.2 6.2



#38

Bromodichloromethane

Concen: 5.489 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

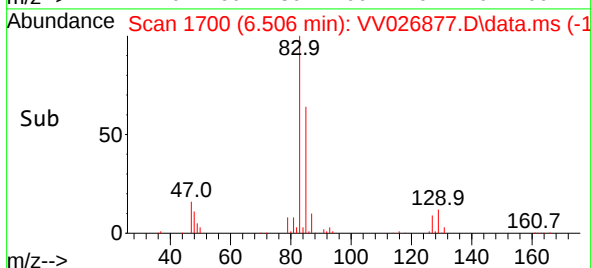
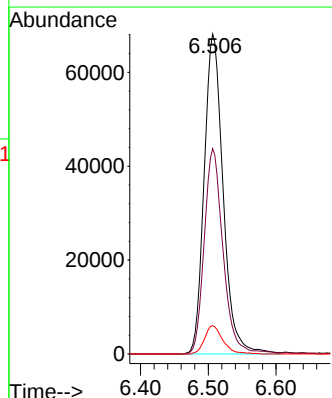
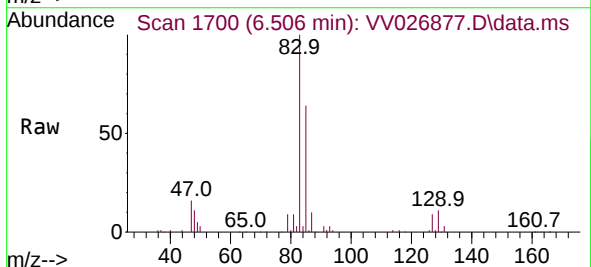
Tgt Ion: 83 Resp: 132416

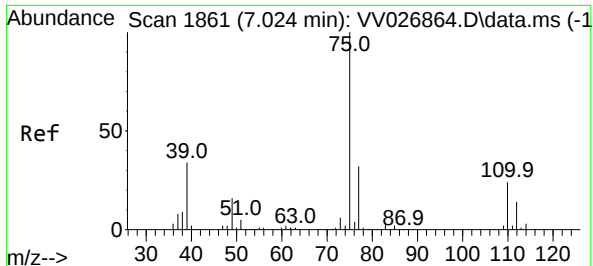
Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4

127 8.8 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.309 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

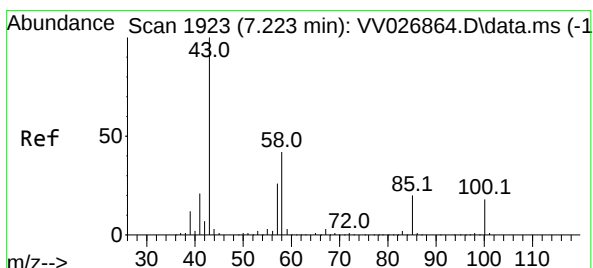
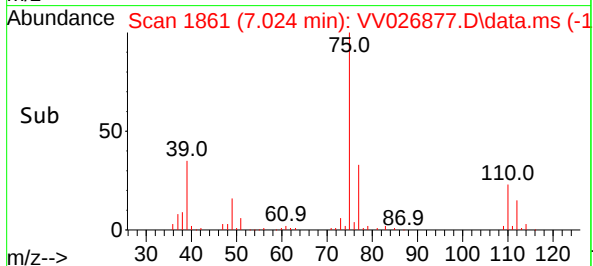
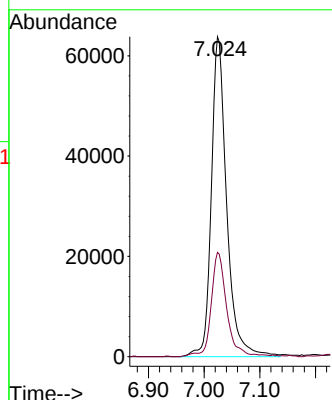
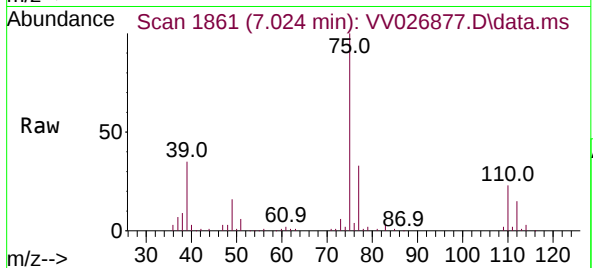
ClientSampleId :

Tgt Ion: 75 Resp: 122092

Ion Ratio Lower Upper

75 100

77 32.6 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 52.628 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

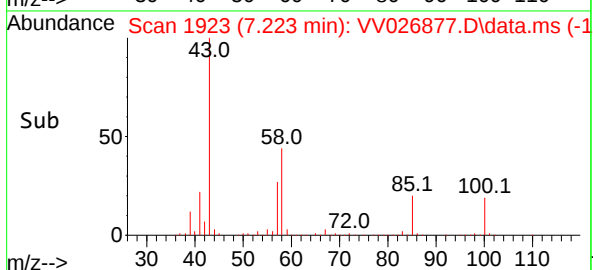
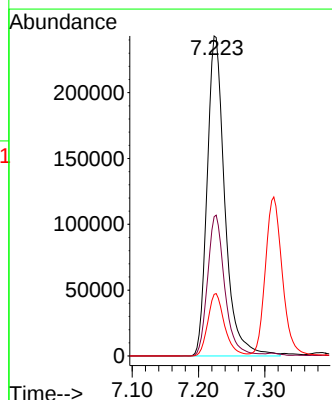
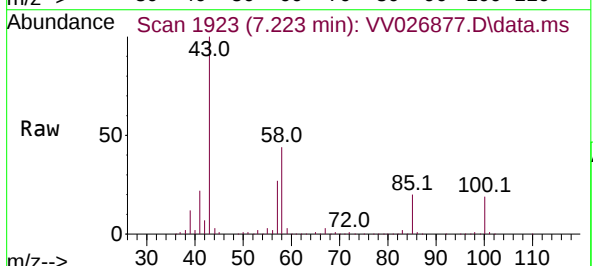
Tgt Ion: 43 Resp: 449876

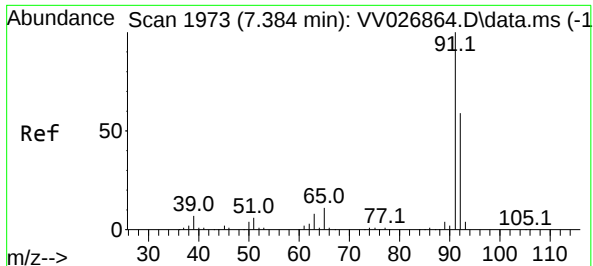
Ion Ratio Lower Upper

43 100

58 43.1 34.6 51.8

100 18.5 13.6 20.4





#42

Toluene

Concen: 5.679 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

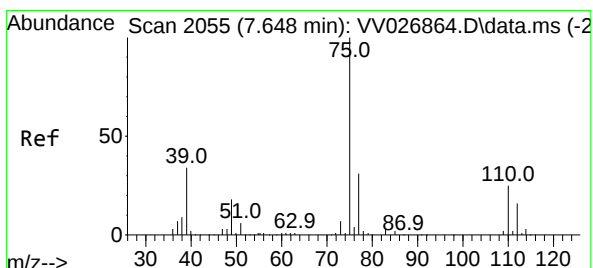
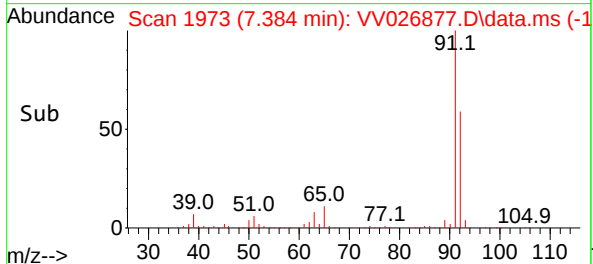
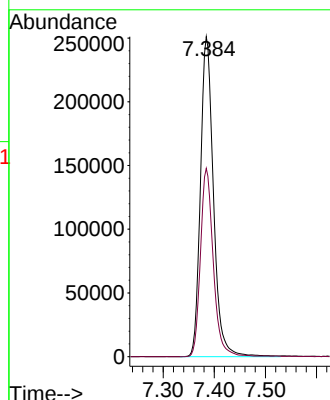
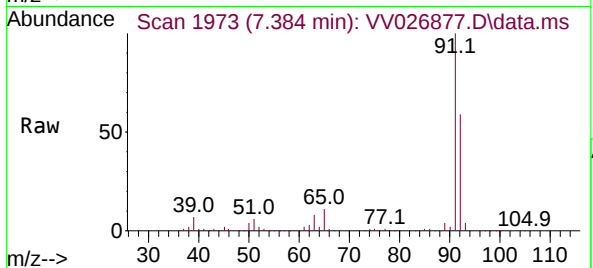
ClientSampleId :

Tgt Ion: 91 Resp: 443847

Ion Ratio Lower Upper

91 100

92 58.9 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.446 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV026877.D

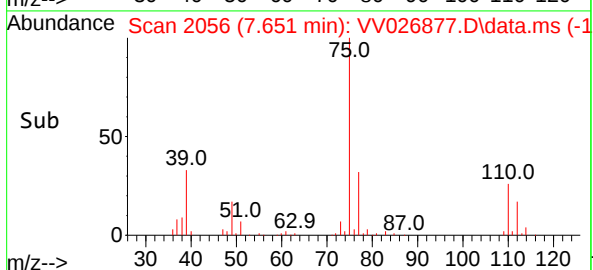
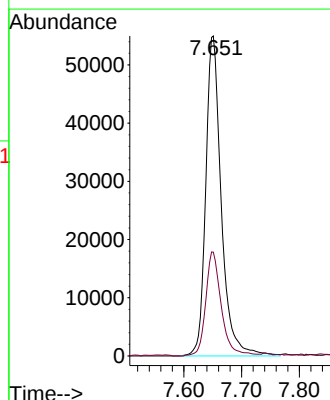
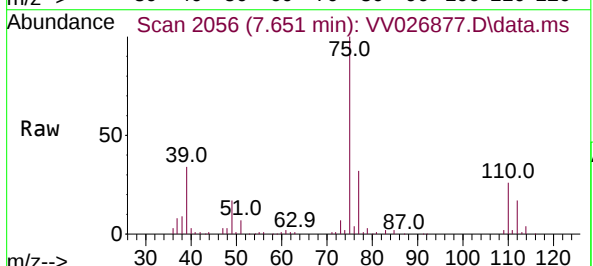
Acq: 21 Jul 2022 16:34

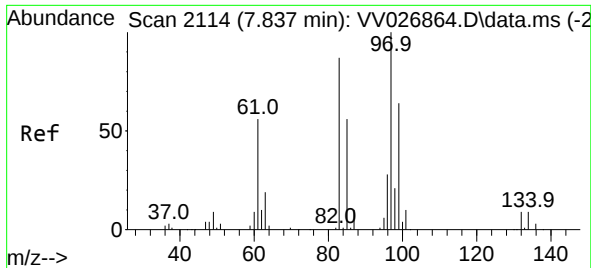
Tgt Ion: 75 Resp: 102838

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.3

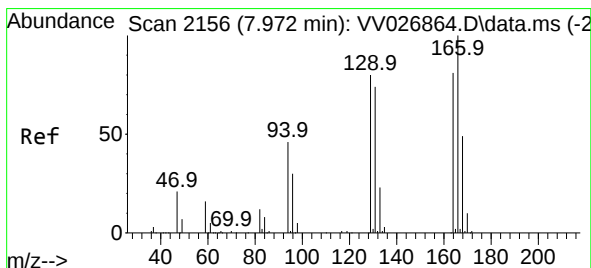
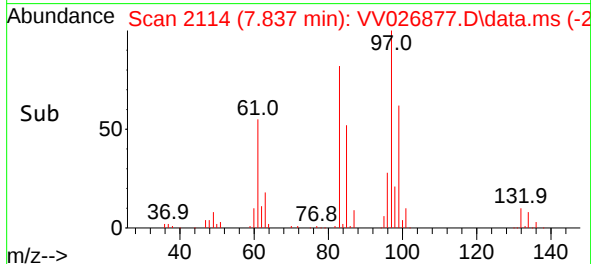
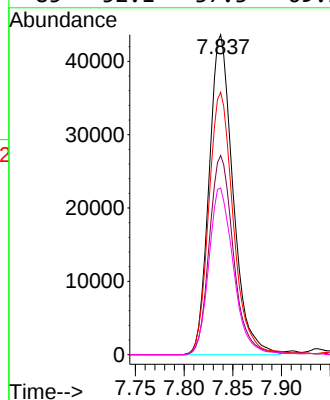
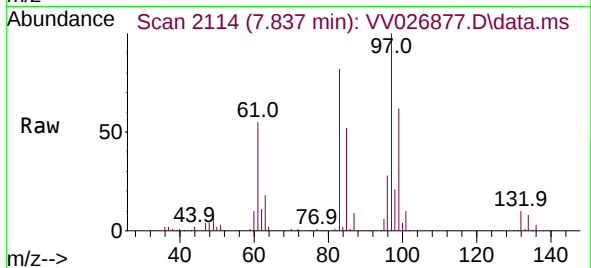




#45  
1,1,2-Trichloroethane  
Concen: 5.518 ug/L  
RT: 7.837 min Scan# 2114  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

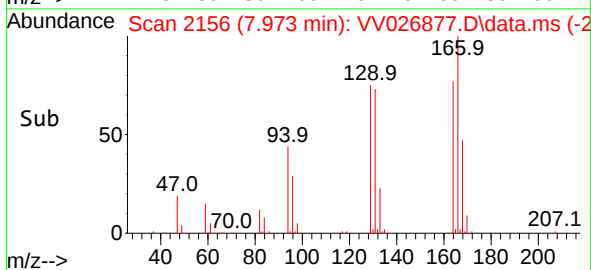
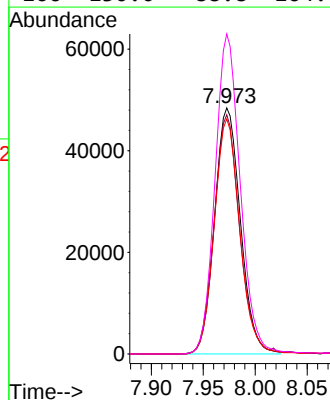
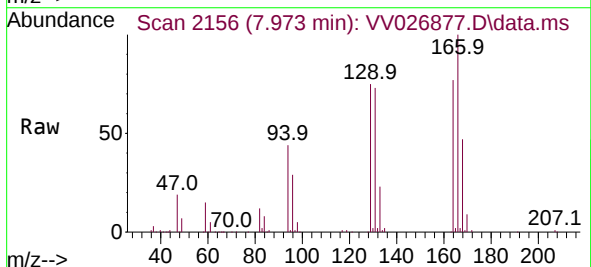
Instrument :  
MSVOA\_V  
ClientSampleId :

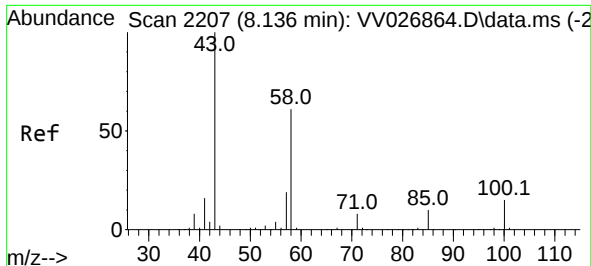
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 74643 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.3  | 41.9  | 77.9  |
| 83       | 82.0  | 58.1  | 107.9 |
| 85       | 52.1  | 37.3  | 69.3  |



#47  
Tetrachloroethene  
Concen: 5.604 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 83602 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 97.2  | 67.8  | 125.8 |
| 131      | 95.5  | 65.9  | 122.5 |
| 166      | 130.0 | 88.8  | 164.8 |



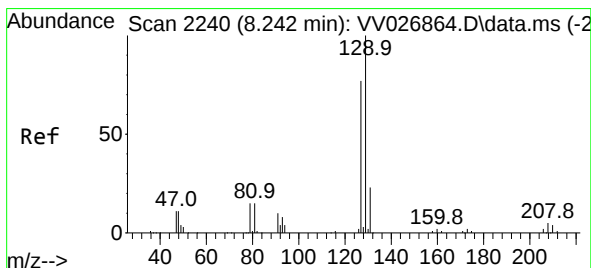
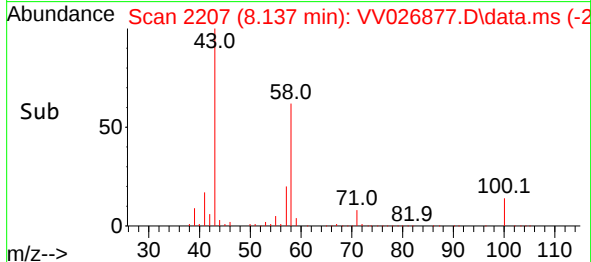
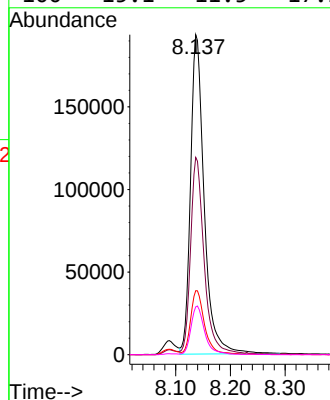
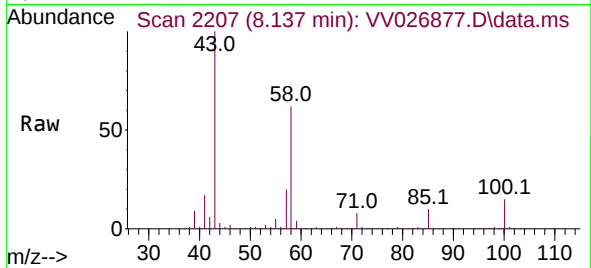


#48  
2-Hexanone  
Concen: 54.098 ug/L  
RT: 8.137 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 43 Resp: 334689

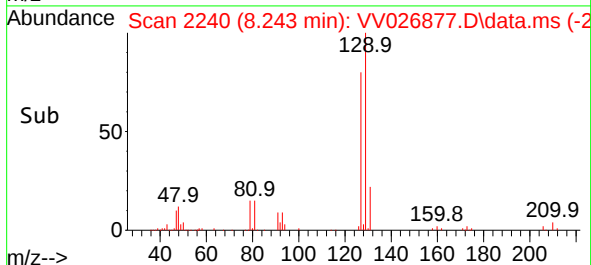
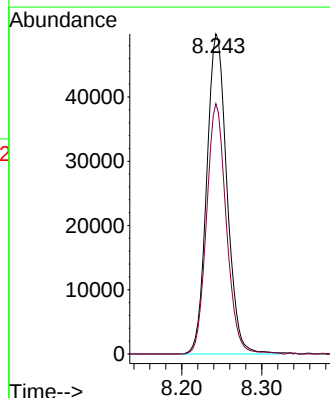
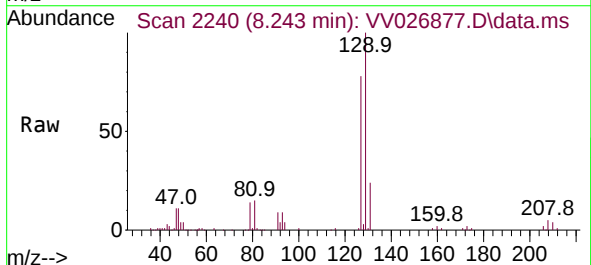
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 60.6  | 47.9  | 71.9  |
| 57  | 20.4  | 16.3  | 24.5  |
| 100 | 15.1  | 11.5  | 17.3  |

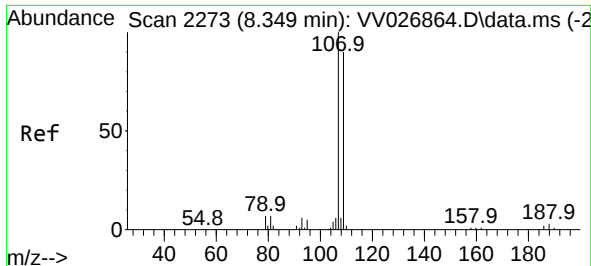


#49  
Dibromochloromethane  
Concen: 5.604 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

Tgt Ion: 129 Resp: 87372

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.2  | 55.7  | 103.5 |





#50

1,2-Dibromoethane

Concen: 5.559 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

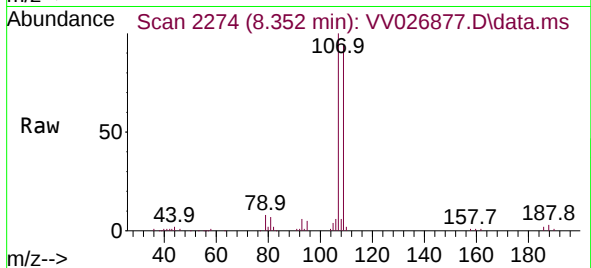
Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

ClientSampleId :



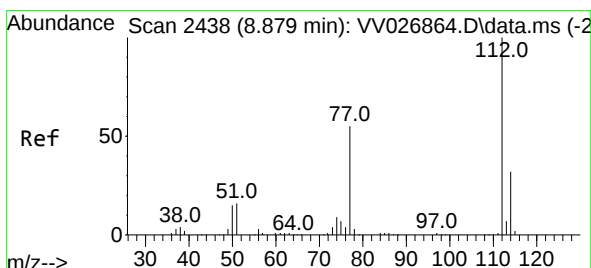
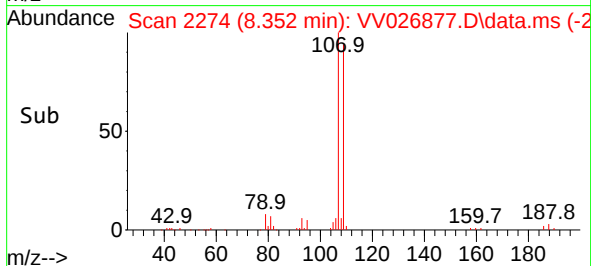
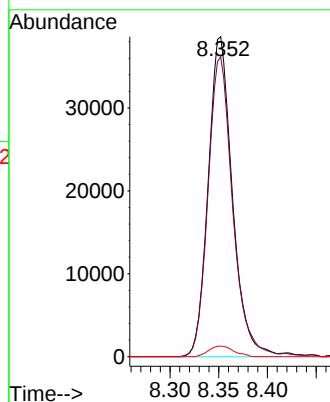
Tgt Ion:107 Resp: 66539

Ion Ratio Lower Upper

107 100

109 93.7 68.0 126.4

188 3.3 2.8 4.2



#51

Chlorobenzene

Concen: 5.574 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

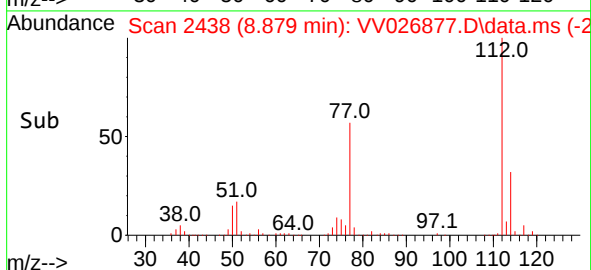
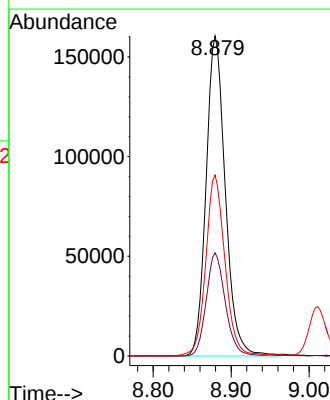
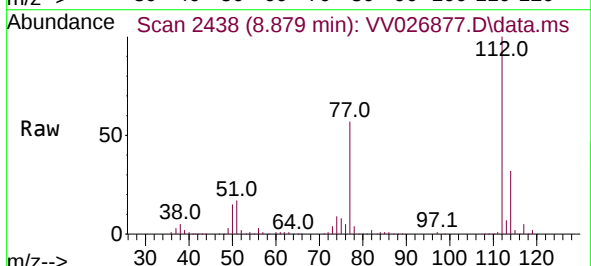
Tgt Ion:112 Resp: 275469

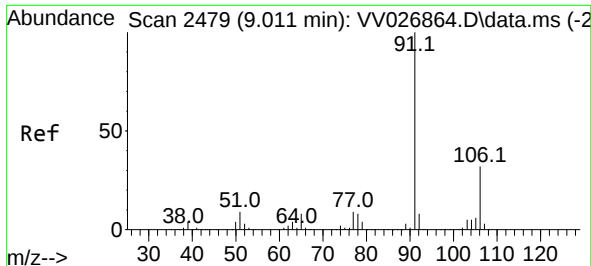
Ion Ratio Lower Upper

112 100

114 32.2 22.7 42.1

77 56.5 46.6 70.0





#52

Ethylbenzene

Concen: 5.299 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

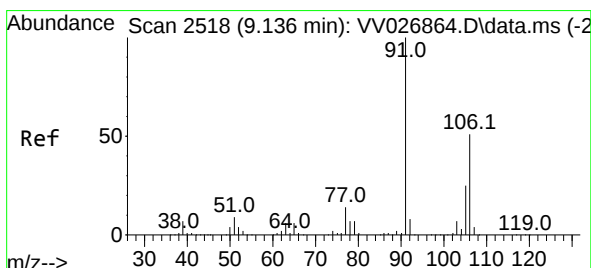
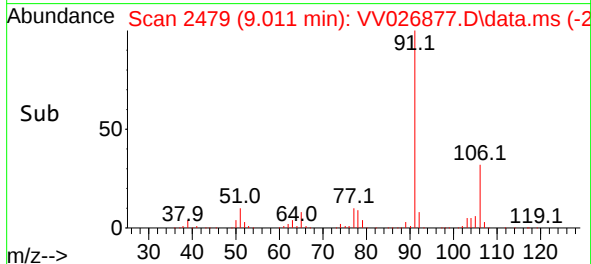
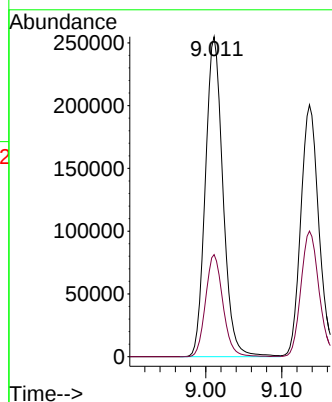
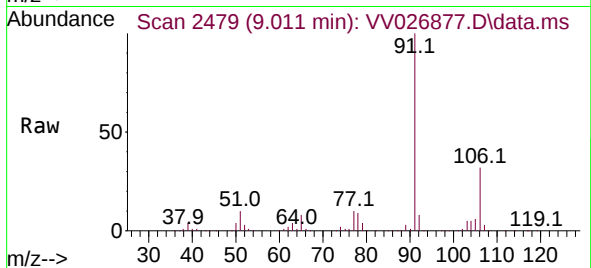
ClientSampleId :

Tgt Ion: 91 Resp: 409867

Ion Ratio Lower Upper

91 100

106 31.9 21.6 40.2



#53

m,p-Xylene

Concen: 5.520 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV026877.D

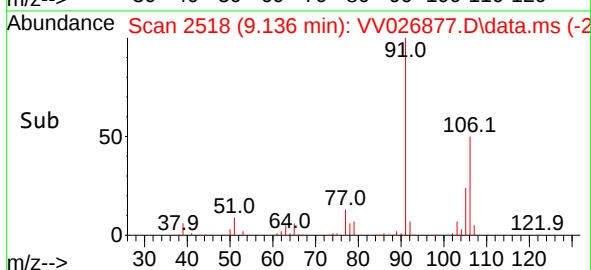
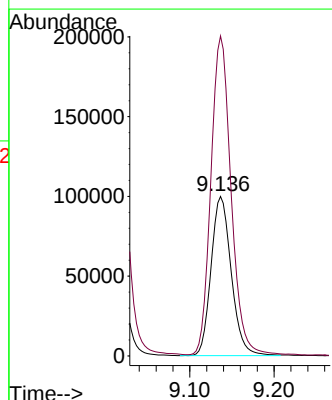
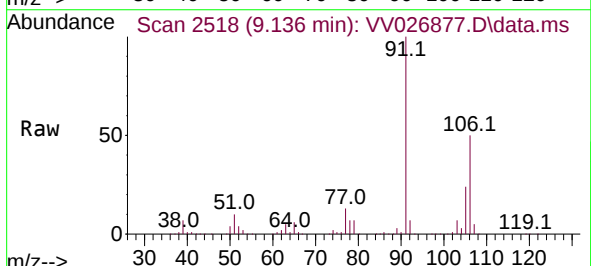
Acq: 21 Jul 2022 16:34

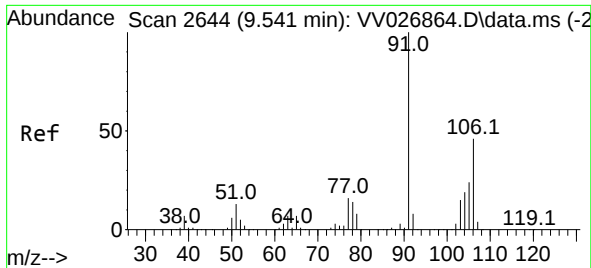
Tgt Ion: 106 Resp: 166036

Ion Ratio Lower Upper

106 100

91 200.6 139.3 258.7

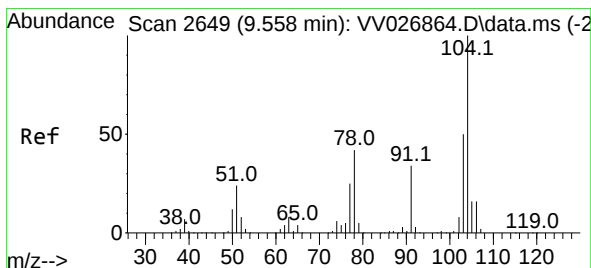
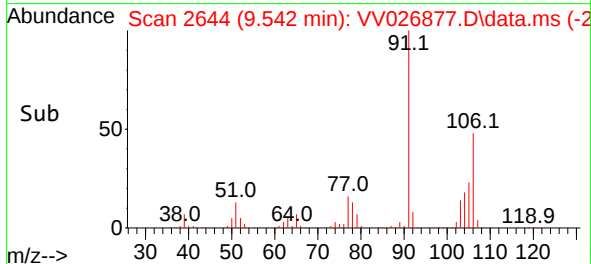
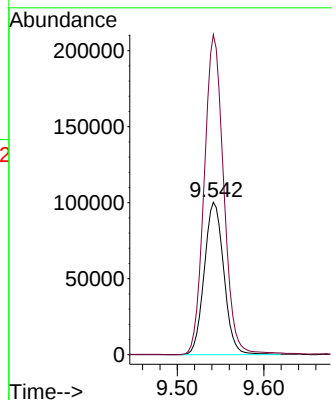
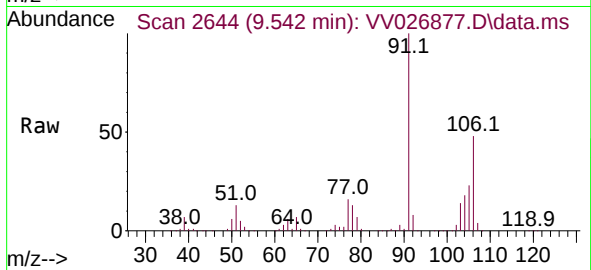




#54  
o-Xylene  
Concen: 5.506 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

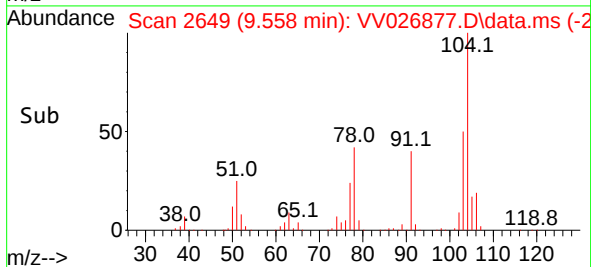
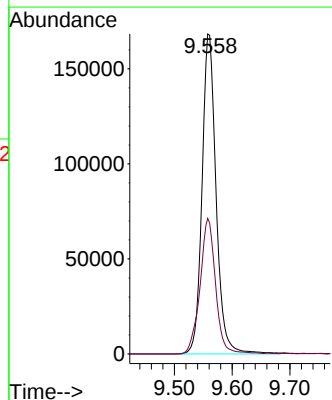
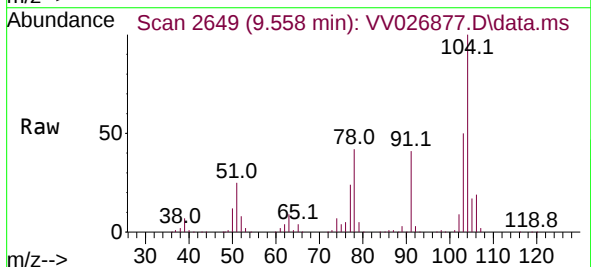
Instrument :  
MSVOA\_V  
ClientSampleId :

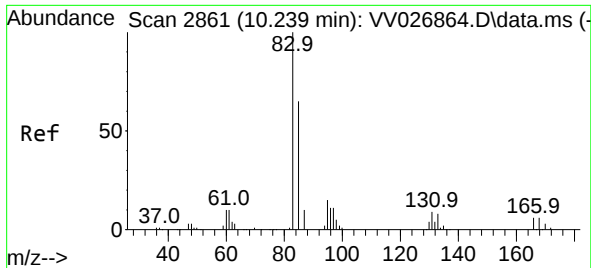
Tgt Ion:106 Resp: 157406  
Ion Ratio Lower Upper  
106 100  
91 209.8 151.1 280.7



#55  
Styrene  
Concen: 5.702 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

Tgt Ion:104 Resp: 285659  
Ion Ratio Lower Upper  
104 100  
78 42.3 29.5 54.9

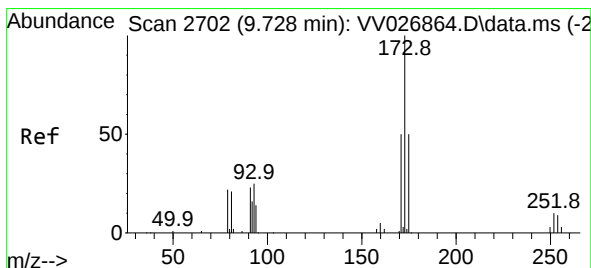
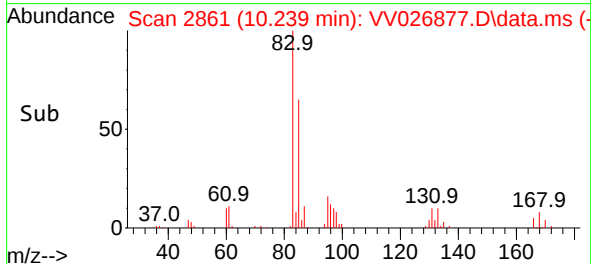
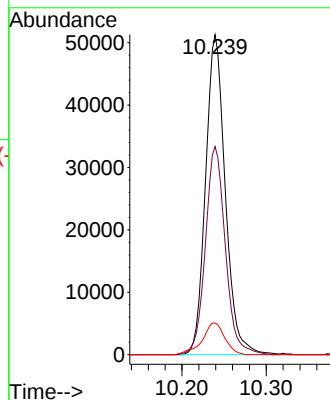
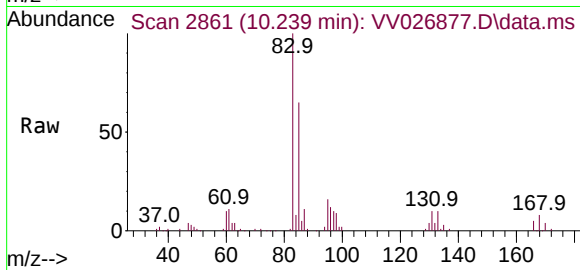




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.221 ug/L  
RT: 10.239 min Scan# 2861  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

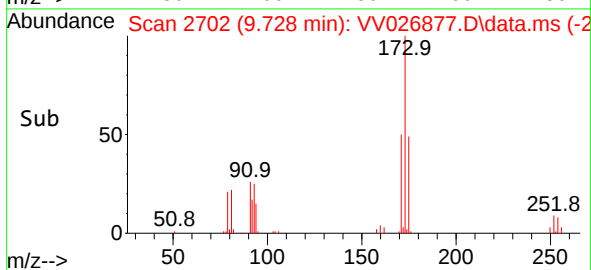
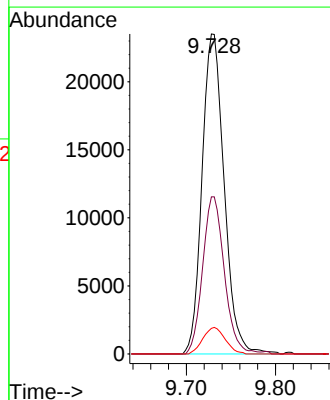
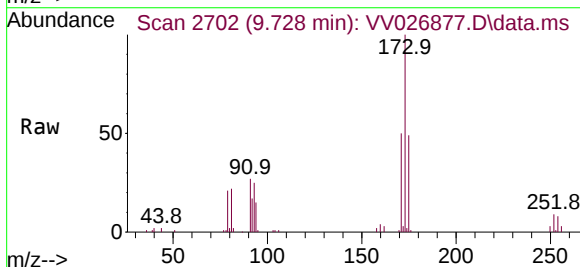
Instrument :  
MSVOA\_V  
ClientSampleId :

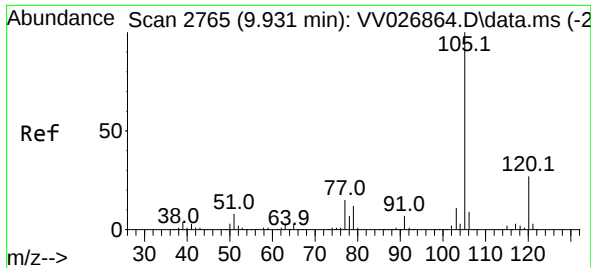
Tgt Ion: 83 Resp: 83615  
Ion Ratio Lower Upper  
83 100  
85 65.1 43.6 81.0  
131 9.9 7.4 11.2



#59  
Bromoform  
Concen: 4.941 ug/L  
RT: 9.728 min Scan# 2702  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

Tgt Ion: 173 Resp: 40494  
Ion Ratio Lower Upper  
173 100  
175 48.2 40.7 61.1  
254 8.4 6.5 9.7

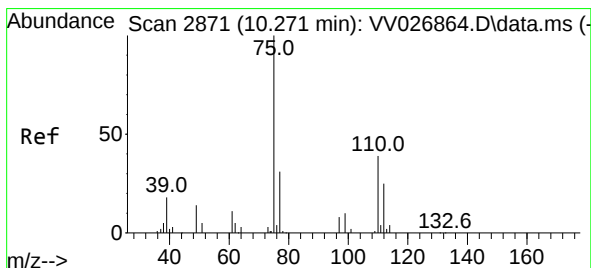
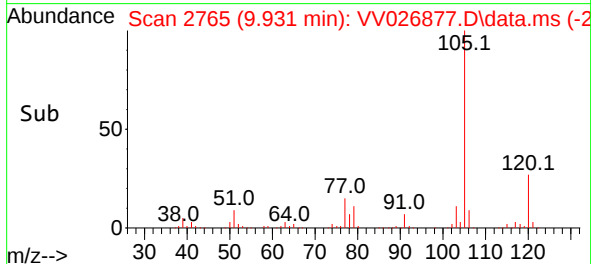
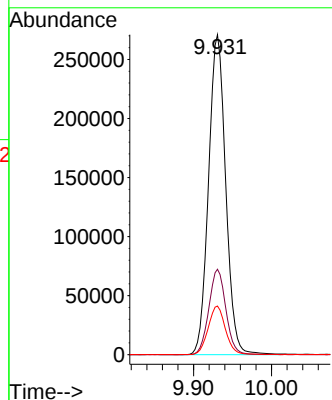
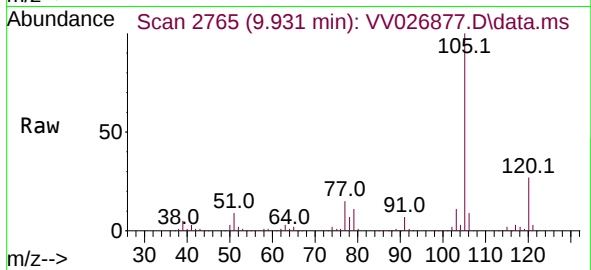




#60  
Isopropylbenzene  
Concen: 5.200 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

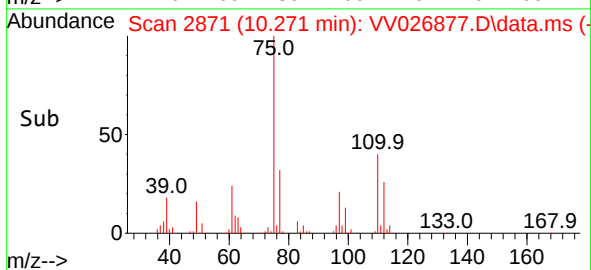
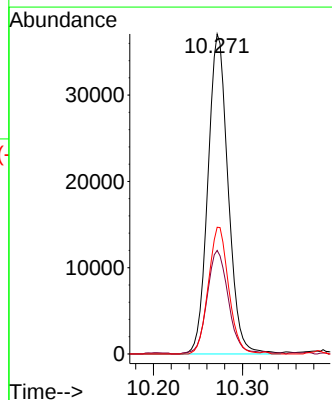
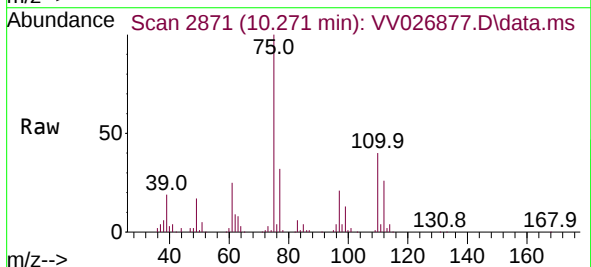
Instrument :  
MSVOA\_V  
ClientSampleId :

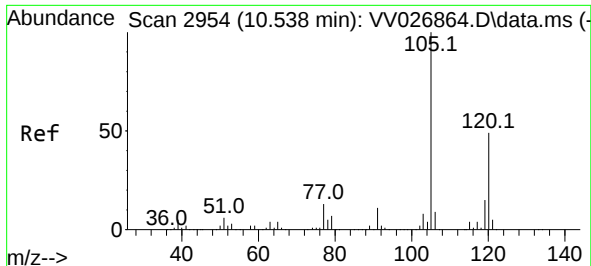
Tgt Ion:105 Resp: 414230  
Ion Ratio Lower Upper  
105 100  
120 26.5 20.7 31.1  
77 15.5 12.5 18.7



#61  
1,2,3-Trichloropropane  
Concen: 4.953 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

Tgt Ion: 75 Resp: 58338  
Ion Ratio Lower Upper  
75 100  
77 34.0 25.4 38.0  
110 39.8 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 5.027 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

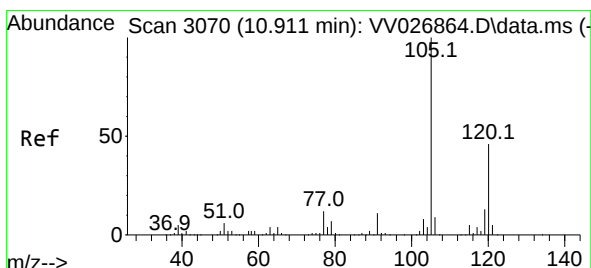
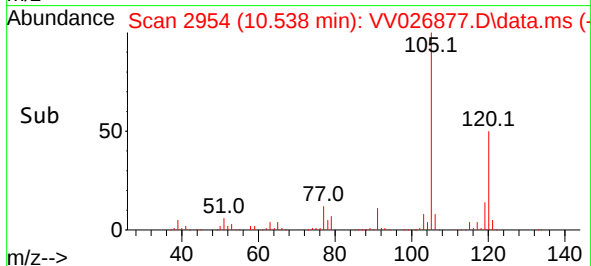
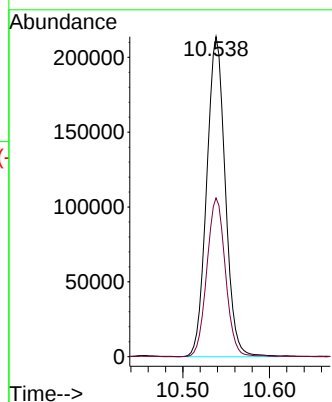
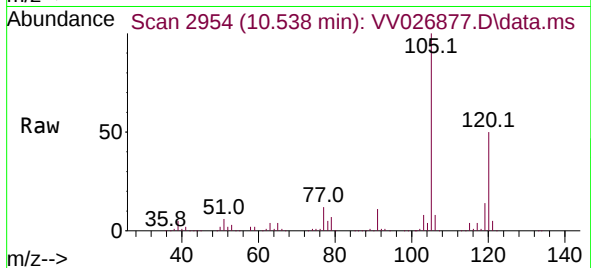
ClientSampleId :

Tgt Ion:105 Resp: 318608

Ion Ratio Lower Upper

105 100

120 49.7 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 5.024 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV026877.D

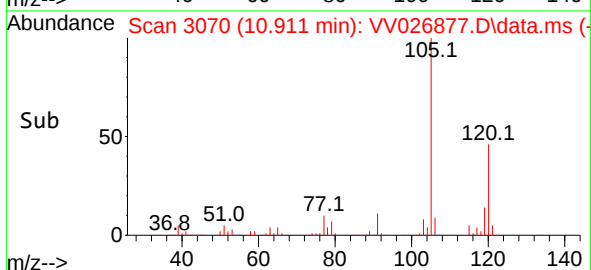
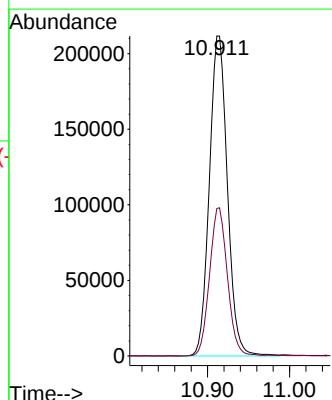
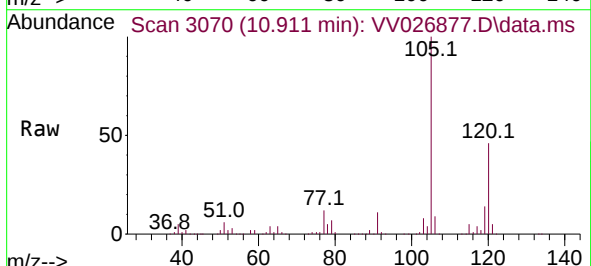
Acq: 21 Jul 2022 16:34

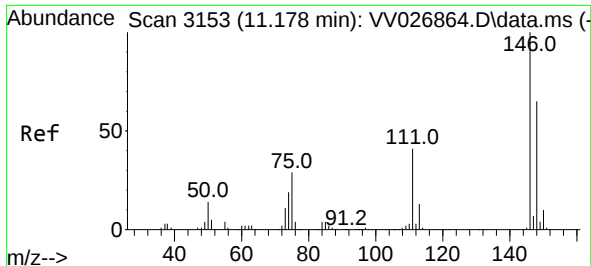
Tgt Ion:105 Resp: 323389

Ion Ratio Lower Upper

105 100

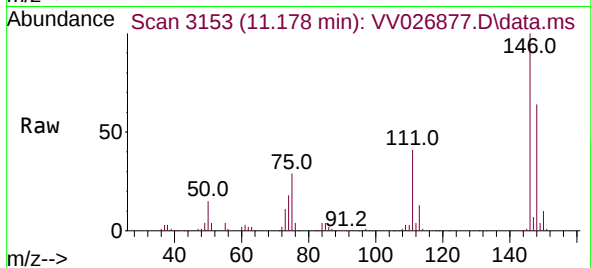
120 45.9 36.8 55.2



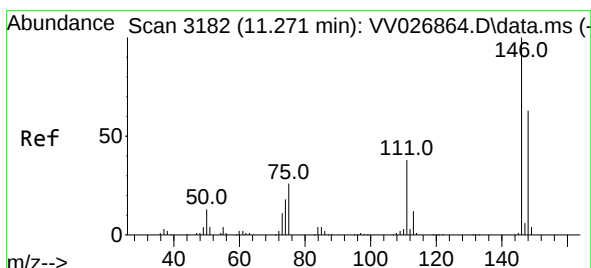
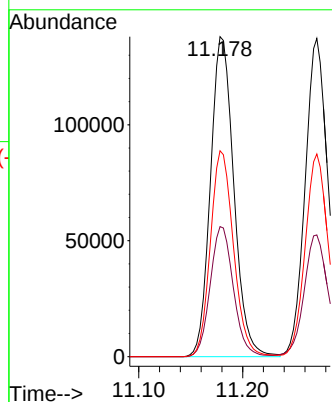
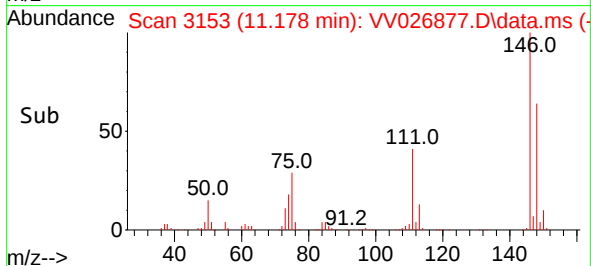


#64  
1,3-Dichlorobenzene  
Concen: 5.534 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

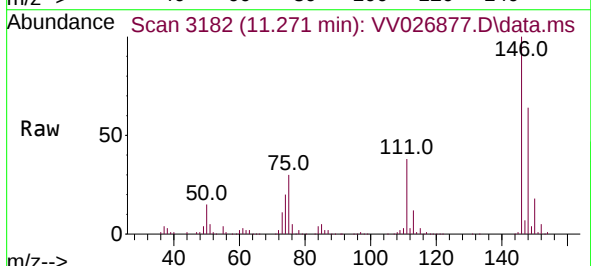
Instrument :  
MSVOA\_V  
ClientSampleId :



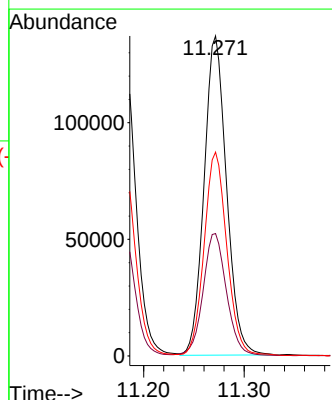
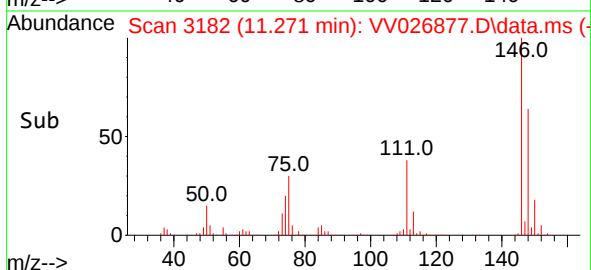
Tgt Ion:146 Resp: 216016  
Ion Ratio Lower Upper  
146 100  
111 40.6 27.9 51.7  
148 64.4 44.9 83.5

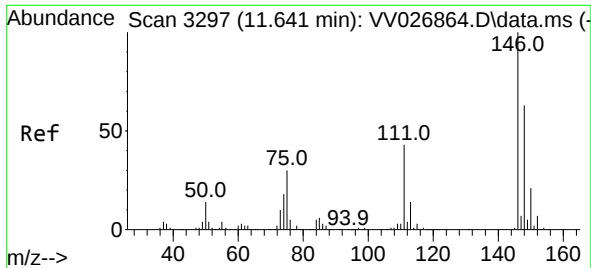


#65  
1,4-Dichlorobenzene  
Concen: 5.352 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34



Tgt Ion:146 Resp: 212395  
Ion Ratio Lower Upper  
146 100  
111 38.3 26.8 49.8  
148 63.7 43.3 80.5

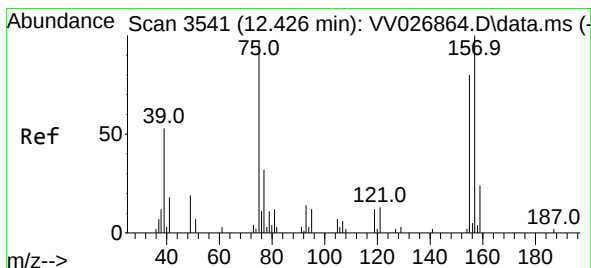
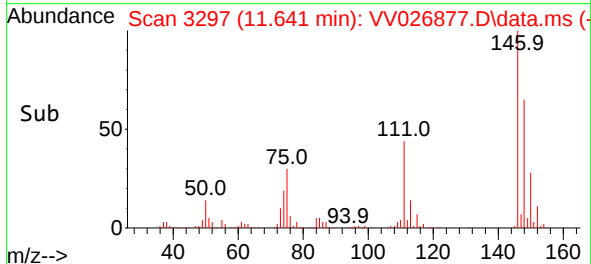
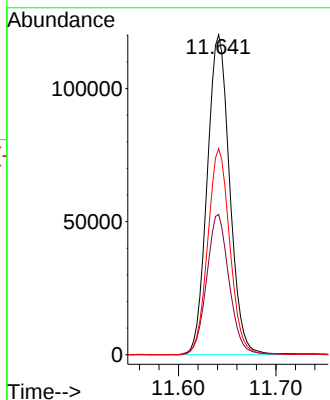
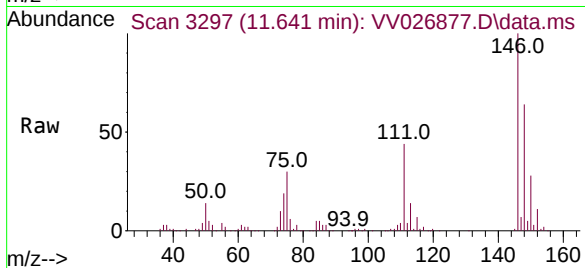




#67  
1,2-Dichlorobenzene  
Concen: 5.276 ug/L  
RT: 11.641 min Scan# 3297  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

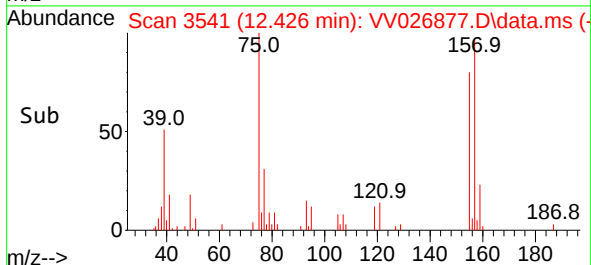
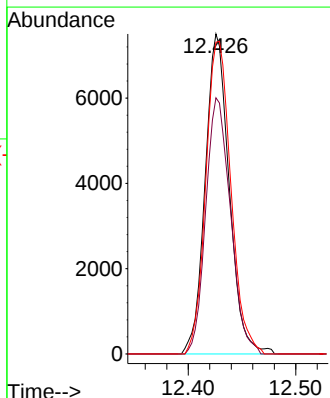
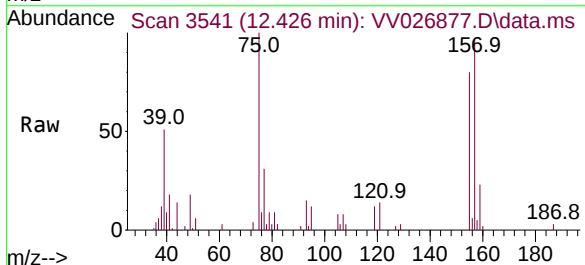
Instrument :  
MSVOA\_V  
ClientSampleId :

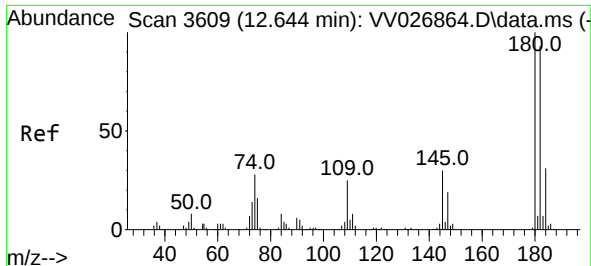
Tgt Ion:146 Resp: 192314  
Ion Ratio Lower Upper  
146 100  
111 43.8 34.6 52.0  
148 64.4 51.0 76.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.668 ug/L  
RT: 12.426 min Scan# 3541  
Delta R.T. 0.000 min  
Lab File: VV026877.D  
Acq: 21 Jul 2022 16:34

Tgt Ion: 75 Resp: 11657  
Ion Ratio Lower Upper  
75 100  
155 80.0 60.3 90.5  
157 97.4 78.2 117.4





#69

1,3,5-Trichlorobenzene

Concen: 5.328 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.000 min

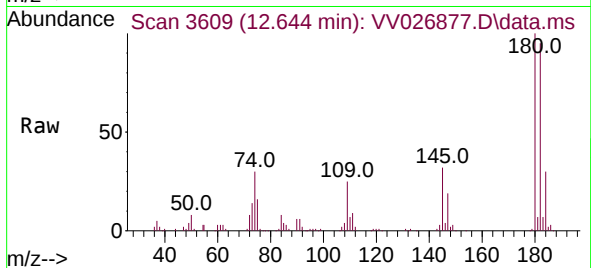
Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 146989

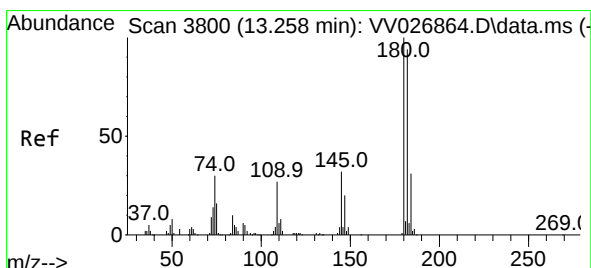
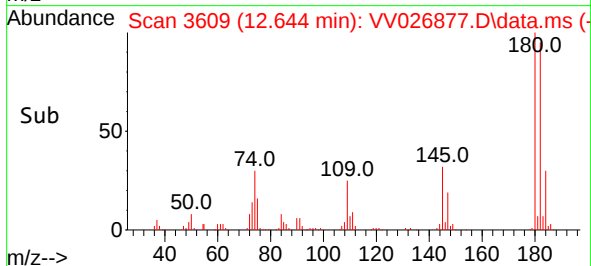
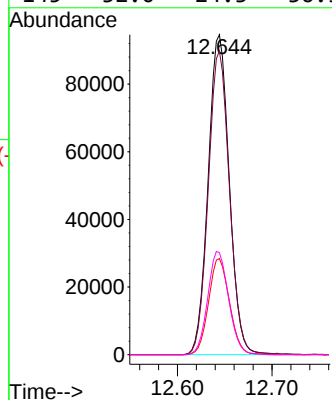
Ion Ratio Lower Upper

180 100

182 95.3 74.0 111.0

184 29.7 23.1 34.7

145 32.0 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 5.084 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.003 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

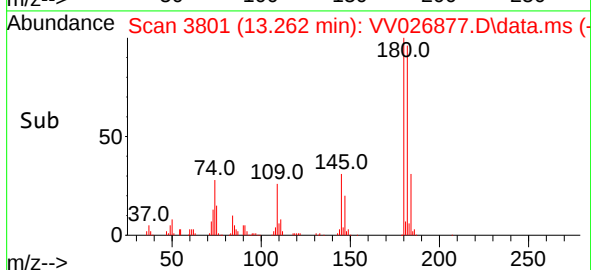
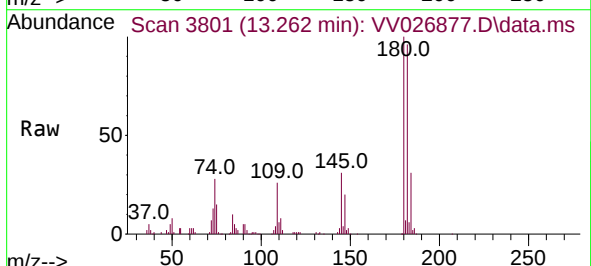
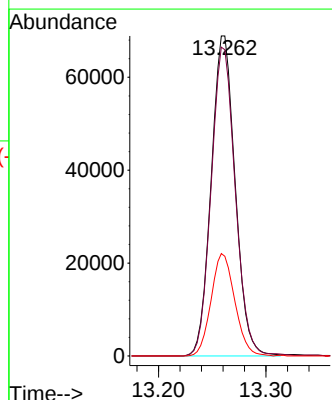
Tgt Ion:180 Resp: 106676

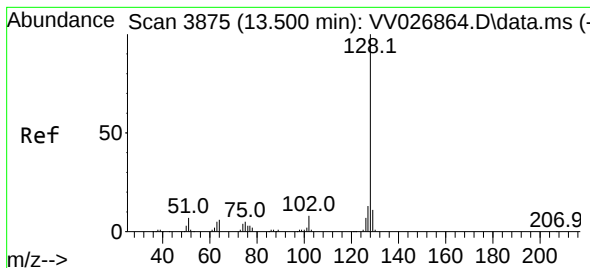
Ion Ratio Lower Upper

180 100

182 97.1 74.7 112.1

145 31.6 24.7 37.1





#71

Naphthalene

Concen: 4.386 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Instrument :

MSVOA\_V

ClientSampleId :

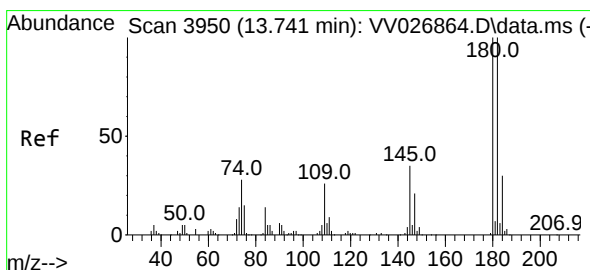
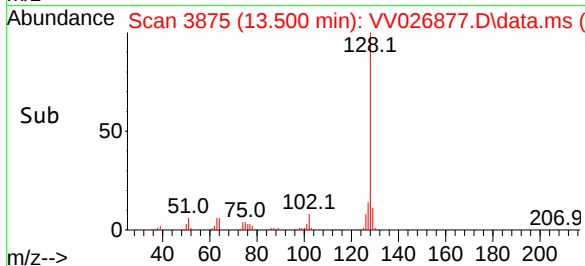
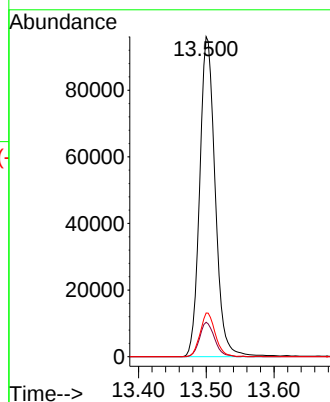
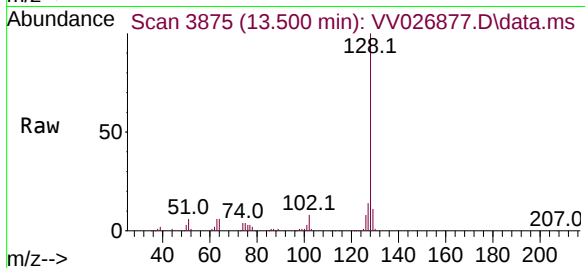
Tgt Ion:128 Resp: 152463

Ion Ratio Lower Upper

128 100

129 10.4 8.4 12.6

127 13.4 10.7 16.1



#72

1,2,3-Trichlorobenzene

Concen: 5.002 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV026877.D

Acq: 21 Jul 2022 16:34

Tgt Ion:180 Resp: 97663

Ion Ratio Lower Upper

180 100

182 94.1 75.0 112.4

145 34.3 26.0 39.0

