

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV012425\  
 Data File : VV038524.D  
 Acq On : 24 Jan 2025 09:07  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jan 24 20:48:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011725WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 24 00:30:49 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.526  | 114   | 200501   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117   | 205739   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152   | 112122   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 56241    | 3.401    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 68.000%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 54557    | 3.929    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 78.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65    | 26787    | 3.595    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 72.000%  |
| 20) 2-Butanone-d5             | 3.812  | 46    | 160969   | 46.287   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 92.580%  |
| 24) Chloroform-d              | 4.239  | 84    | 139328   | 4.496    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.000%  |
| 26) 1,2-Dichloroethane-d4     | 4.934  | 65    | 61319    | 4.318    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.400%  |
| 32) Benzene-d6                | 4.950  | 84    | 246156   | 4.344    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.979  | 67    | 76024    | 4.414    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.200%  |
| 41) Toluene-d8                | 7.233  | 98    | 224826   | 4.417    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.400%  |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79    | 26033    | 4.132    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.600%  |
| 46) 2-Hexanone-d5             | 8.021  | 63    | 102186   | 41.110   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 82.220%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.143 | 84    | 67107    | 4.915    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.551 | 152   | 82493    | 4.347    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 87.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 100227   | 4.463    | ug/L   | 99       |
| 3) Chloromethane              | 1.214  | 50    | 102036   | 4.440    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.281  | 62    | 104245   | 4.490    | ug/L   | 99       |
| 6) Bromomethane               | 1.487  | 94    | 56642    | 4.877    | ug/L   | 98       |
| 8) Chloroethane               | 1.548  | 64    | 64404    | 4.630    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 143264   | 4.848    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101   | 81825    | 4.844    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.066  | 96    | 76799    | 4.619    | ug/L   | 93       |
| 13) Acetone                   | 2.146  | 43    | 109686   | 40.537   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.236  | 76    | 247465   | 4.430    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.387  | 43    | 28266    | 4.089    | ug/L   | 95       |
| 16) Methylene chloride        | 2.442  | 84    | 83554    | 4.534    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.696  | 73    | 147908   | 4.228    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 2.690  | 96    | 78270    | 4.579    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.101  | 63    | 151831   | 4.667    | ug/L   | 100      |
| 21) 2-Butanone                | 3.892  | 43    | 150004   | 39.081   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.805  | 96    | 77931    | 4.484    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.140  | 128   | 37213    | 4.706    | ug/L   | 91       |
| 25) Chloroform                | 4.265  | 83    | 155617   | 4.839    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV012425\  
 Data File : VV038524.D  
 Acq On : 24 Jan 2025 09:07  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

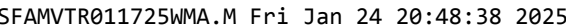
Instrument :  
 MSVOA\_V  
 ClientSampleId :

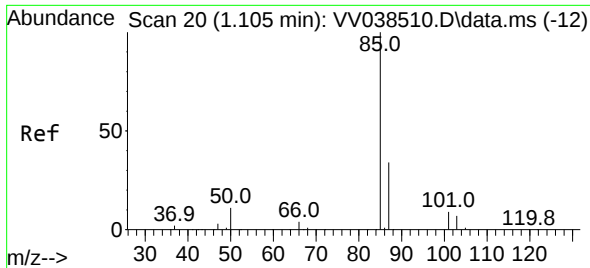
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011725WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 24 00:30:49 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 82624    | 4.620  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.500  | 97   | 134302   | 4.910  | ug/L   | 97       |
| 30) Cyclohexane               | 4.571  | 56   | 113245   | 4.546  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.722  | 117  | 120260   | 4.974  | ug/L   | 99       |
| 33) Benzene                   | 5.002  | 78   | 320776   | 4.910  | ug/L   | 100      |
| 34) Trichloroethene           | 5.825  | 95   | 82702    | 4.871  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.040  | 83   | 119250   | 4.608  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 80828    | 4.791  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.423  | 83   | 104946   | 4.796  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 101950   | 4.384  | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 7.149  | 43   | 396600   | 45.432 | ug/L   | 98       |
| 42) Toluene                   | 7.307  | 91   | 357832   | 5.255  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 87967    | 4.464  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.760  | 97   | 59248    | 4.882  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.895  | 164  | 64785    | 4.930  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.069  | 43   | 289168   | 45.750 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.165  | 129  | 67186    | 4.809  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 55363    | 4.903  | ug/L # | 94       |
| 51) Chlorobenzene             | 8.805  | 112  | 225854   | 4.929  | ug/L   | 98       |
| 52) Ethylbenzene              | 8.937  | 91   | 359703   | 4.911  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.062  | 106  | 136737   | 4.925  | ug/L   | 97       |
| 54) o-Xylene                  | 9.471  | 106  | 132527   | 5.009  | ug/L   | 97       |
| 55) Styrene                   | 9.487  | 104  | 238604   | 5.172  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.169 | 83   | 68159    | 4.612  | ug/L   | 99       |
| 59) Bromoform                 | 9.657  | 173  | 33741    | 4.315  | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.857  | 105  | 362382   | 4.803  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.201 | 75   | 47010    | 4.364  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 268732   | 4.549  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 275021   | 4.661  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.107 | 146  | 180434   | 4.821  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.197 | 146  | 184051   | 4.756  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.567 | 146  | 161712   | 4.614  | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 8922     | 4.007  | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 114109   | 4.433  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 79310    | 4.145  | ug/L   | 98       |
| 71) Naphthalene               | 13.435 | 128  | 89511    | 3.158  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.670 | 180  | 69339    | 4.192  | ug/L   | 96       |

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

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QLast Update : Fri Jan 24 00:30:49 2025  
Response via : Initial Calibration

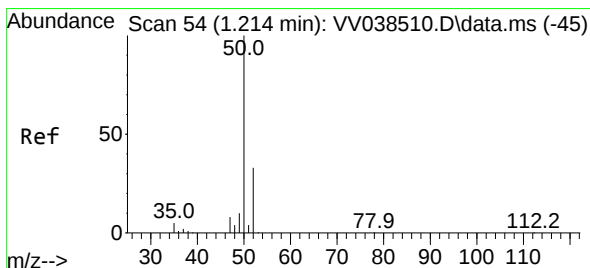
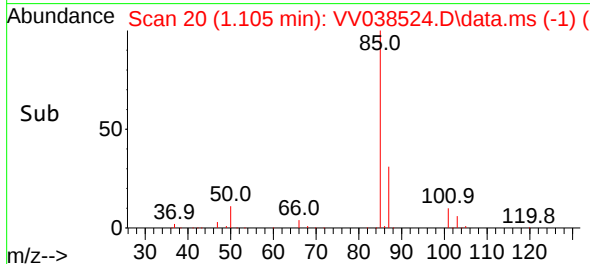
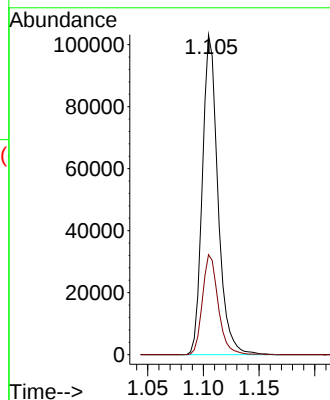
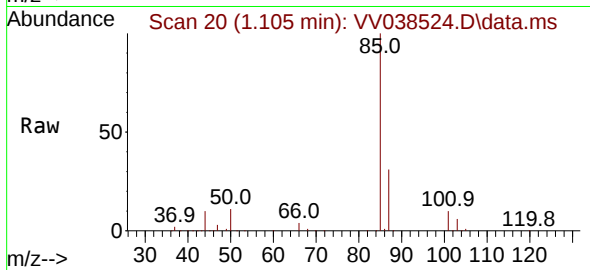




#2  
 Dichlorodifluoromethane  
 Concen: 4.463 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VV038524.D  
 Acq: 24 Jan 2025 09:07

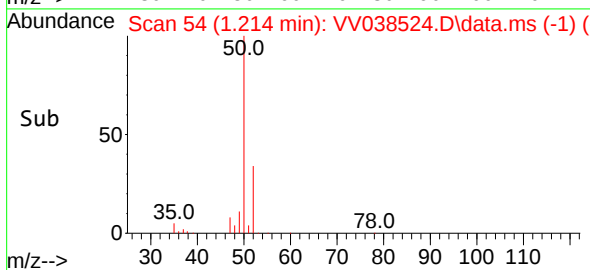
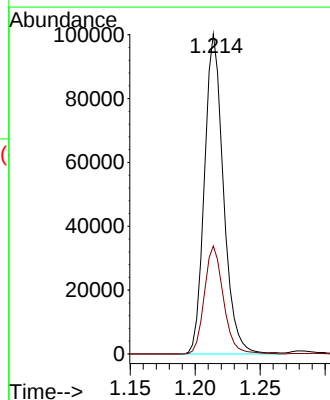
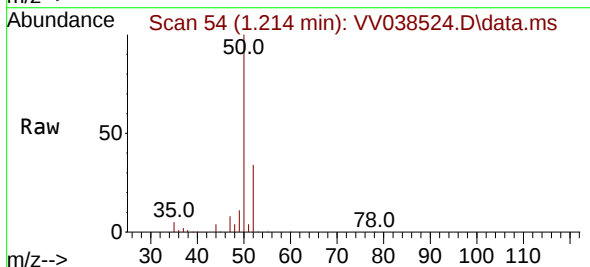
Instrument :  
 MSVOA\_V  
 ClientSampleId :

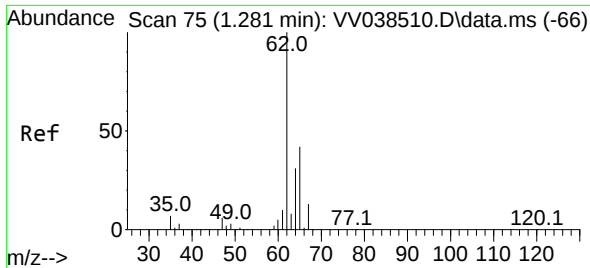
Tgt Ion: 85 Resp: 100227  
 Ion Ratio Lower Upper  
 85 100  
 87 31.7 26.0 39.0



#3  
 Chloromethane  
 Concen: 4.440 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. -0.000 min  
 Lab File: VV038524.D  
 Acq: 24 Jan 2025 09:07

Tgt Ion: 50 Resp: 102036  
 Ion Ratio Lower Upper  
 50 100  
 52 33.8 23.0 42.6



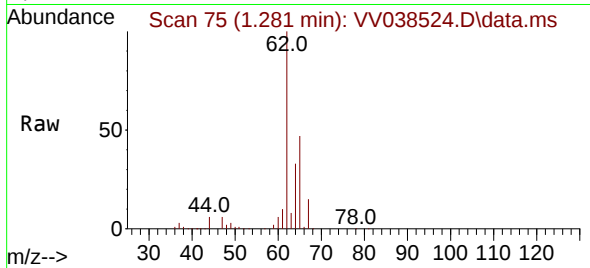


#5  
 Vinyl chloride  
 Concen: 4.490 ug/L  
 RT: 1.281 min Scan# 75  
 Delta R.T. -0.000 min  
 Lab File: VV038524.D  
 Acq: 24 Jan 2025 09:07

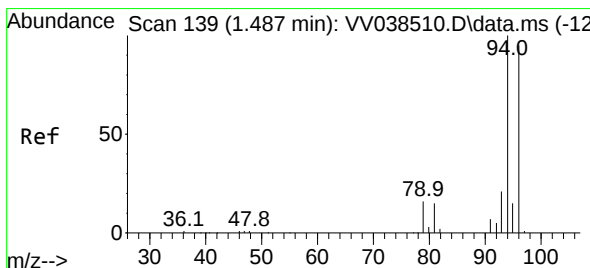
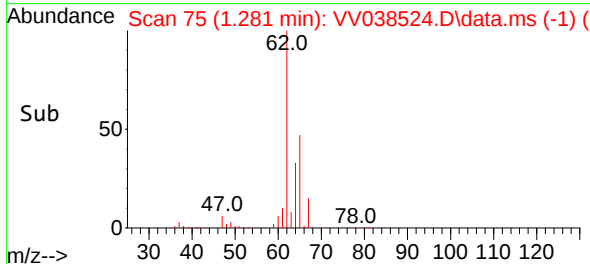
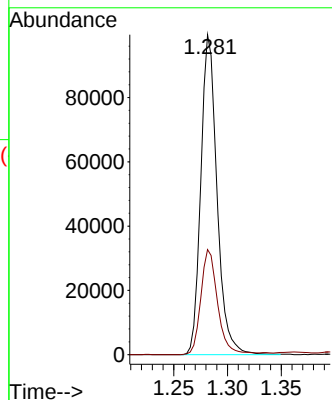
Instrument :

MSVOA\_V

ClientSampleId :

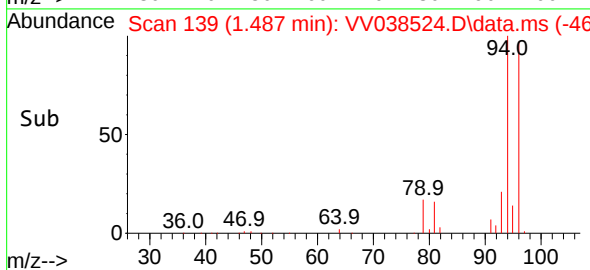
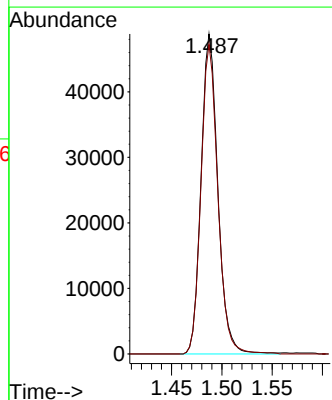
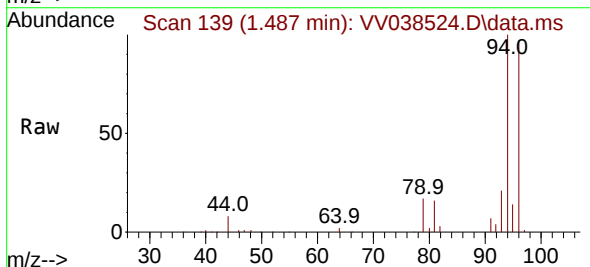


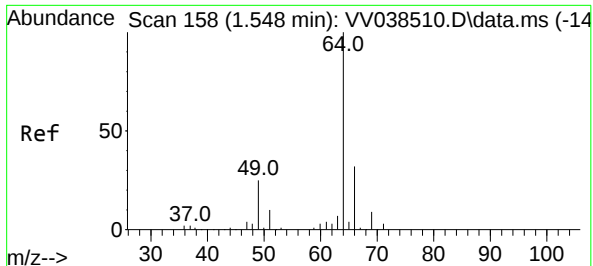
Tgt Ion: 62 Resp: 104245  
 Ion Ratio Lower Upper  
 62 100  
 64 32.8 23.5 43.7



#6  
 Bromomethane  
 Concen: 4.877 ug/L  
 RT: 1.487 min Scan# 139  
 Delta R.T. -0.000 min  
 Lab File: VV038524.D  
 Acq: 24 Jan 2025 09:07

Tgt Ion: 94 Resp: 56642  
 Ion Ratio Lower Upper  
 94 100  
 96 96.8 68.9 127.9

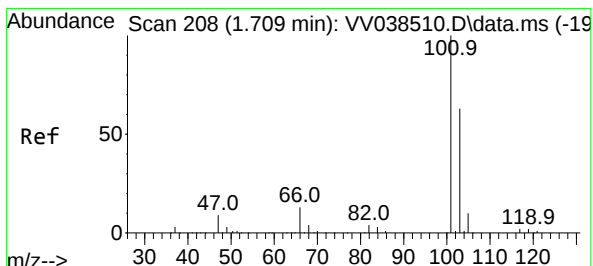
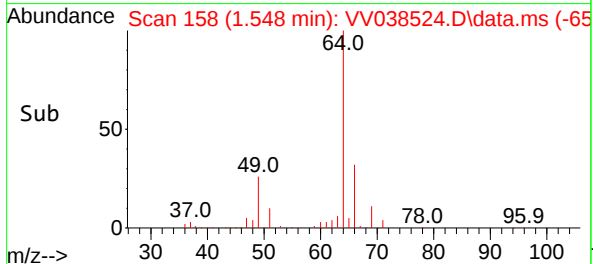
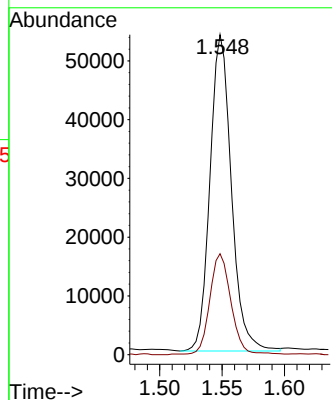
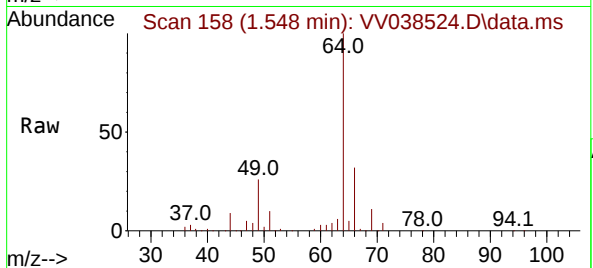




#8  
Chloroethane  
Concen: 4.630 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

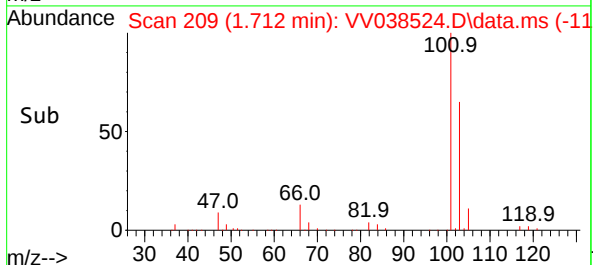
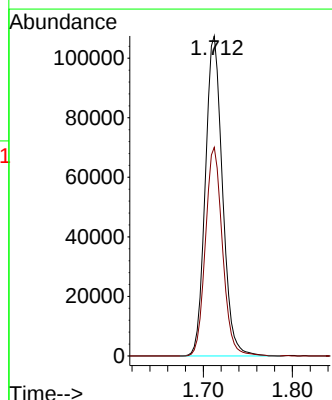
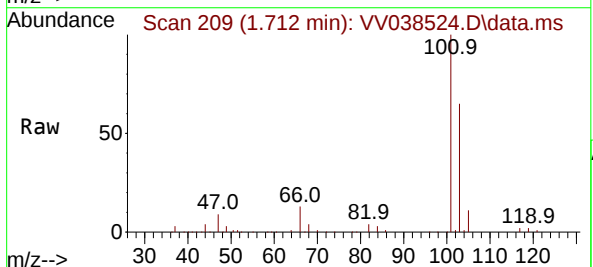
Instrument :  
MSVOA\_V  
ClientSampleId :

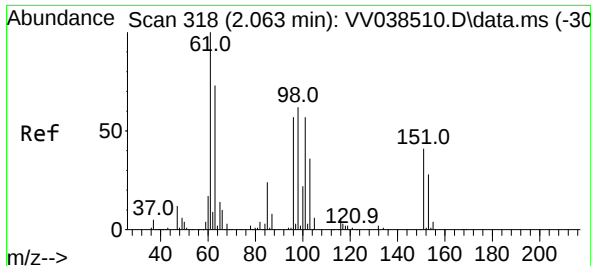
Tgt Ion: 64 Resp: 64404  
Ion Ratio Lower Upper  
64 100  
66 31.6 22.7 42.1



#9  
Trichlorofluoromethane  
Concen: 4.848 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. 0.003 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion:101 Resp: 143264  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.5 77.3

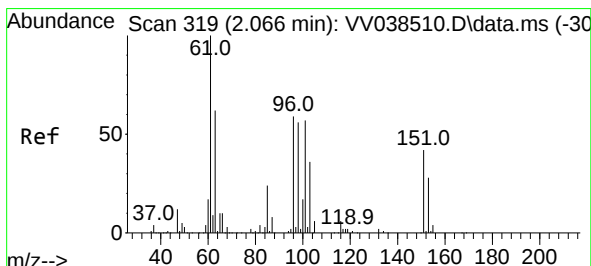
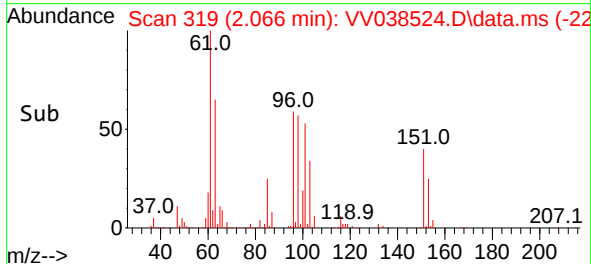
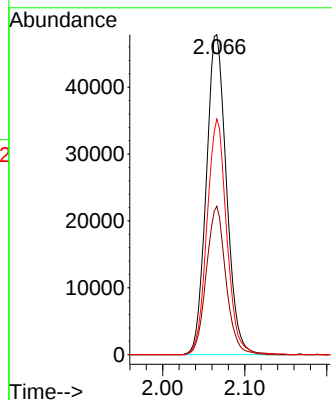
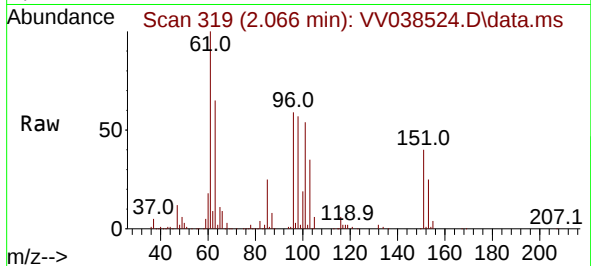




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.844 ug/L  
 RT: 2.066 min Scan# 319  
 Delta R.T. 0.003 min  
 Lab File: VV038524.D  
 Acq: 24 Jan 2025 09:07

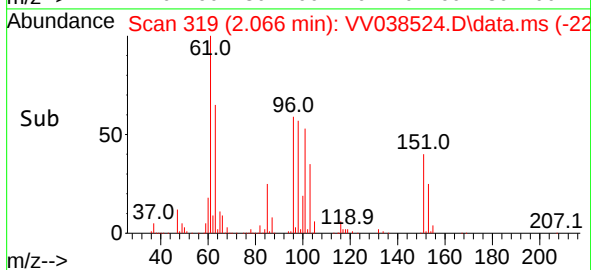
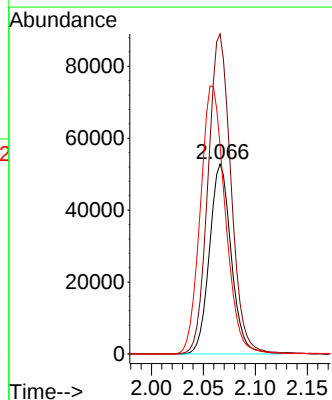
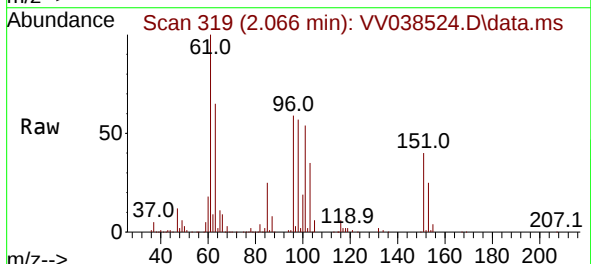
Instrument :  
 MSVOA\_V  
 ClientSampleId :

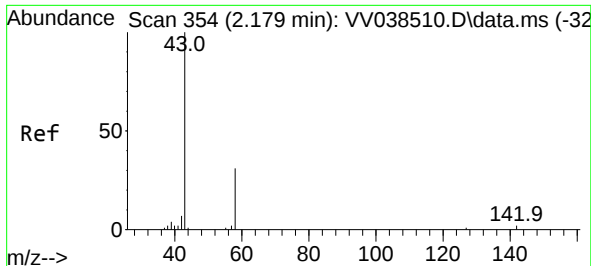
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 Ion Ratio Lower Upper  
 101 100  
 85 44.9 35.2 52.8  
 151 71.8 56.6 85.0



#12  
 1,1-Dichloroethene  
 Concen: 4.619 ug/L  
 RT: 2.066 min Scan# 319  
 Delta R.T. -0.000 min  
 Lab File: VV038524.D  
 Acq: 24 Jan 2025 09:07

Tgt Ion: 96 Resp: 76799  
 Ion Ratio Lower Upper  
 96 100  
 61 168.4 122.2 227.0  
 63 109.9 86.2 160.0





#13

Acetone

Concen: 40.537 ug/L

RT: 2.146 min Scan# 344

Delta R.T. -0.032 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

Instrument :

MSVOA\_V

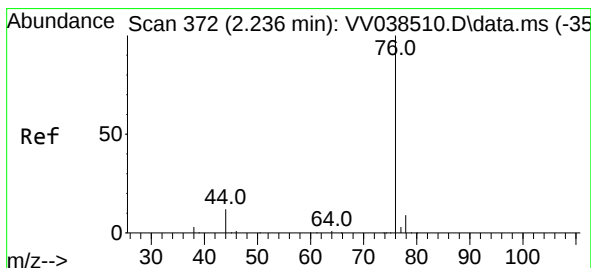
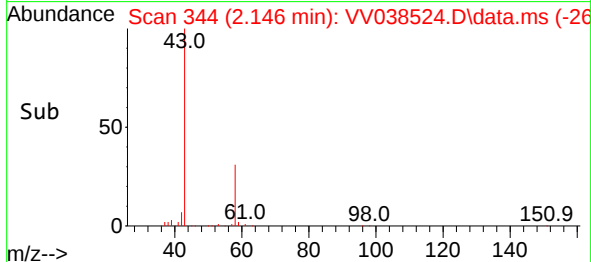
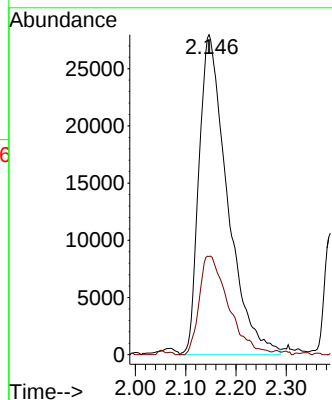
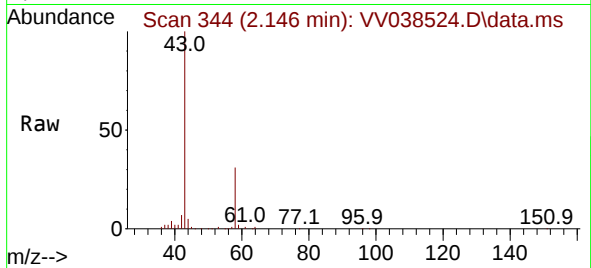
ClientSampleId :

Tgt Ion: 43 Resp: 109686

Ion Ratio Lower Upper

43 100

58 31.7 0.0 67.2



#14

Carbon disulfide

Concen: 4.430 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.000 min

Lab File: VV038524.D

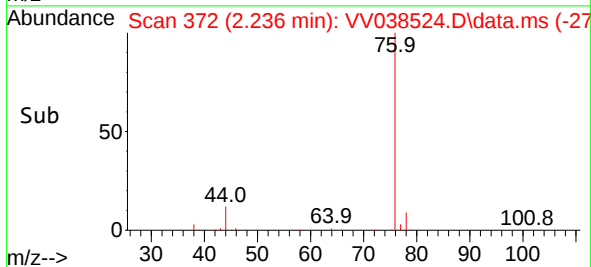
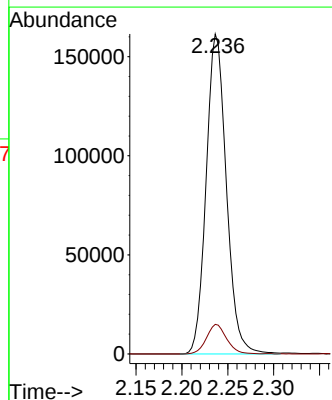
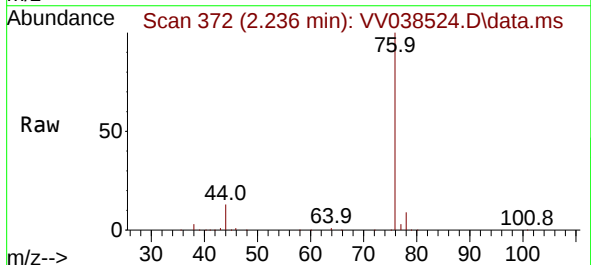
Acq: 24 Jan 2025 09:07

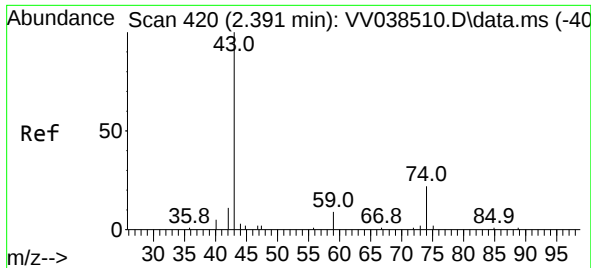
Tgt Ion: 76 Resp: 247465

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

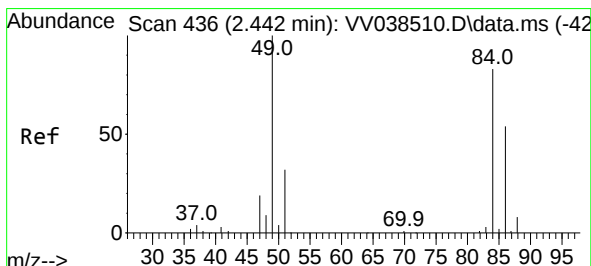
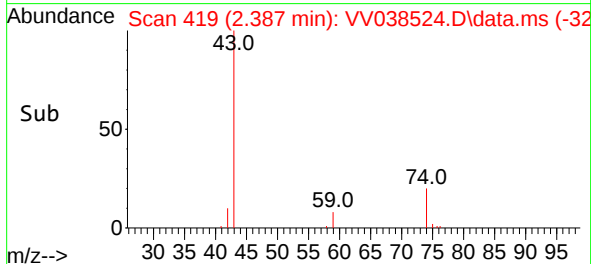
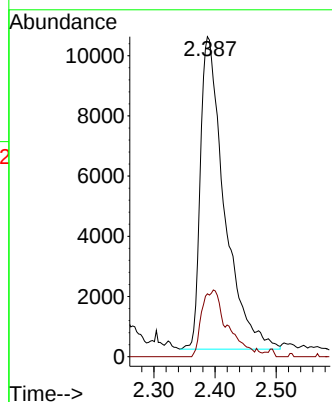
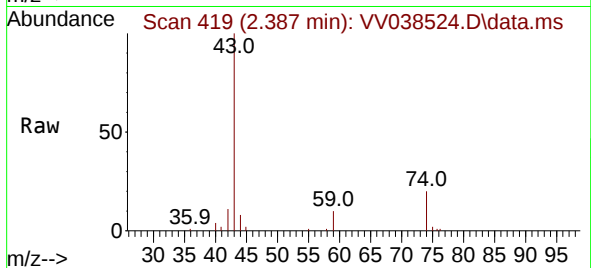




#15  
Methyl Acetate  
Concen: 4.089 ug/L  
RT: 2.387 min Scan# 419  
Delta R.T. -0.003 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

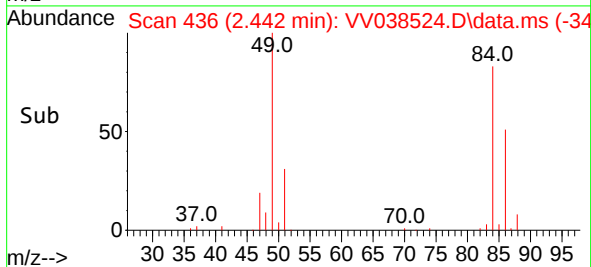
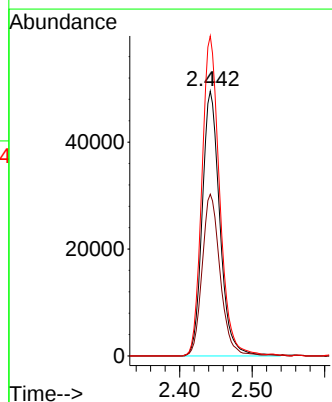
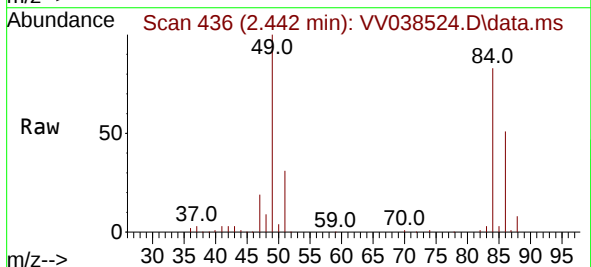
Instrument :  
MSVOA\_V  
ClientSampleId :

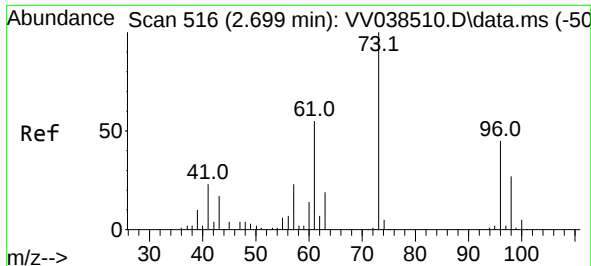
Tgt Ion: 43 Resp: 28266  
Ion Ratio Lower Upper  
43 100  
74 22.7 20.4 30.6



#16  
Methylene chloride  
Concen: 4.534 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion: 84 Resp: 83554  
Ion Ratio Lower Upper  
84 100  
86 61.1 44.7 82.9  
49 120.8 84.1 156.1

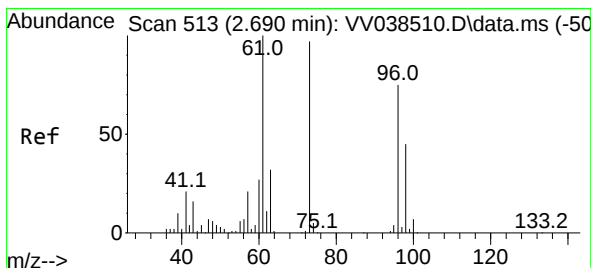
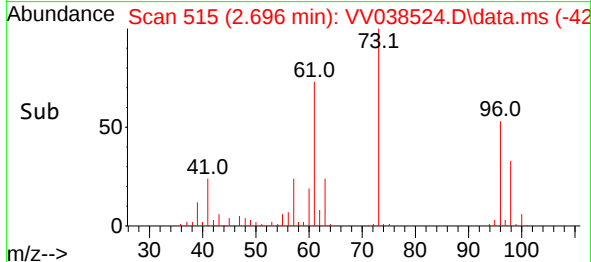
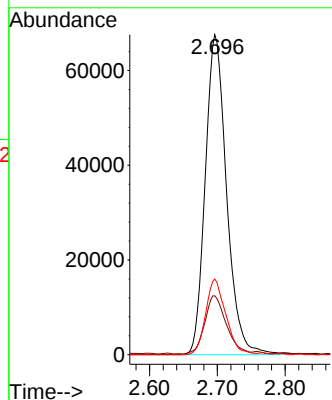
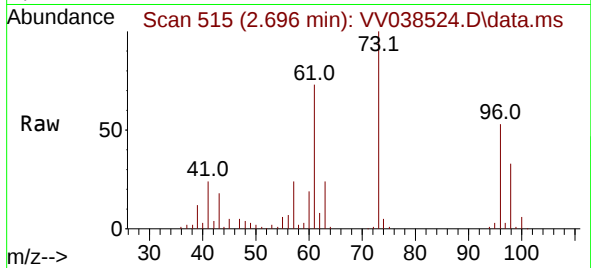




#17  
Methyl tert-butyl Ether  
Concen: 4.228 ug/L  
RT: 2.696 min Scan# 516  
Delta R.T. -0.003 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

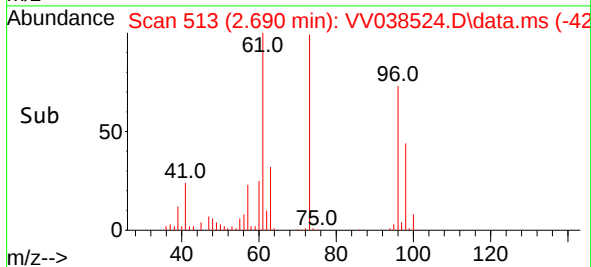
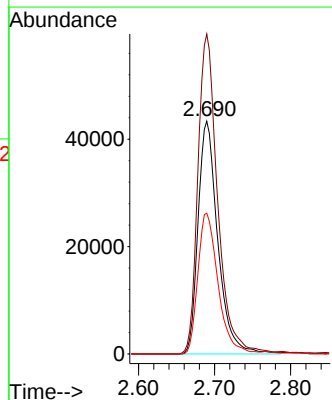
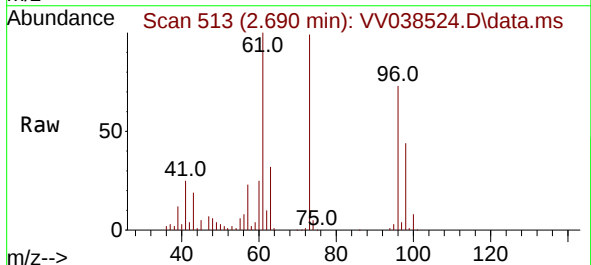
Instrument :  
MSVOA\_V  
ClientSampleId :

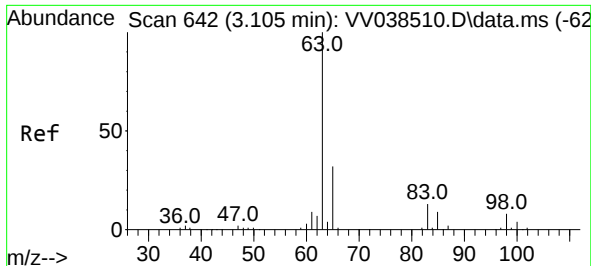
Tgt Ion: 73 Resp: 147908  
Ion Ratio Lower Upper  
73 100  
43 18.2 14.6 21.8  
57 22.3 17.9 26.9



#18  
trans-1,2-Dichloroethene  
Concen: 4.579 ug/L  
RT: 2.690 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

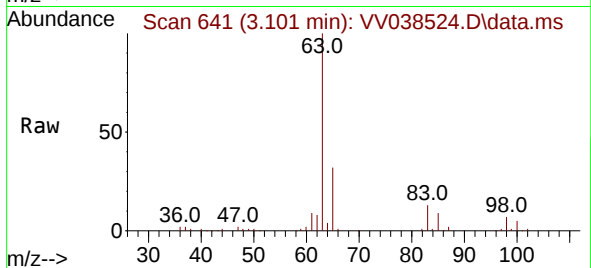
Tgt Ion: 96 Resp: 78270  
Ion Ratio Lower Upper  
96 100  
61 137.4 94.8 176.2  
98 60.5 44.2 82.2



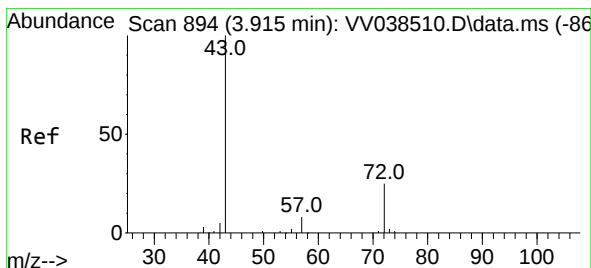
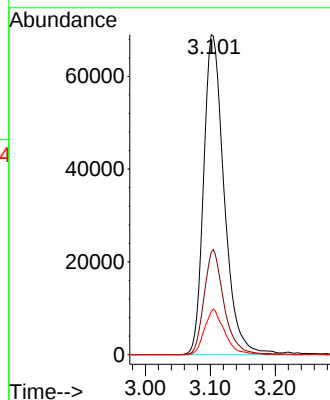
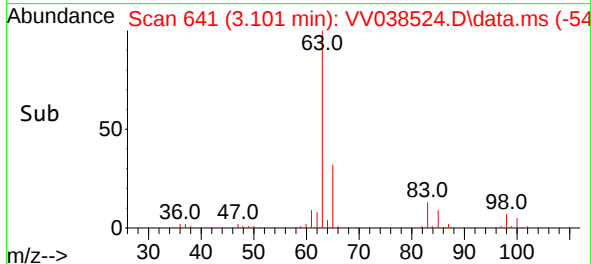


#19  
1,1-Dichloroethane  
Concen: 4.667 ug/L  
RT: 3.101 min Scan# 641  
Delta R.T. -0.003 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Instrument :  
MSVOA\_V  
ClientSampleId :

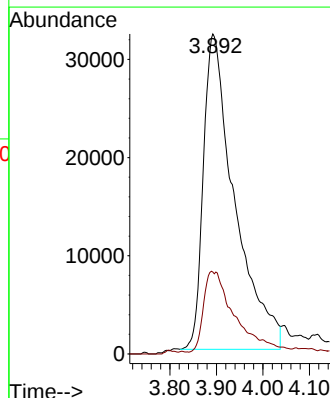
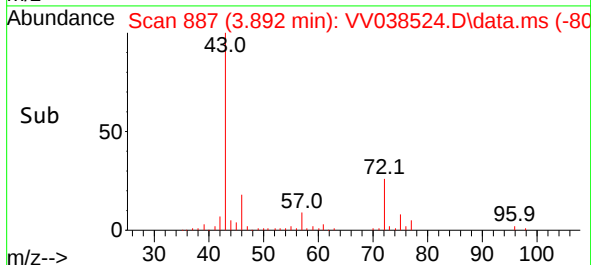
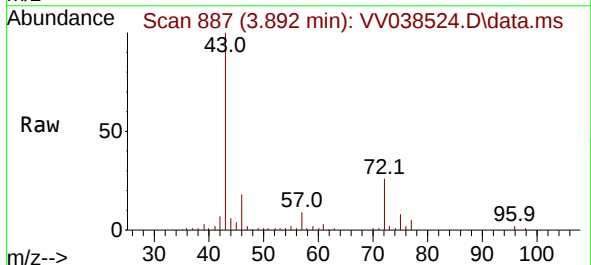


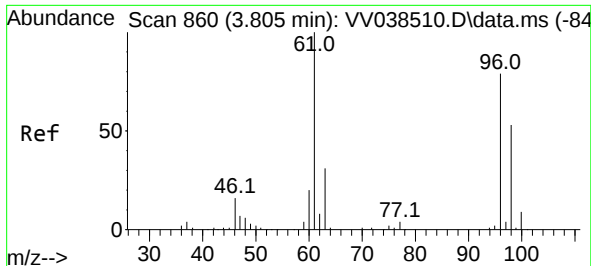
Tgt Ion: 63 Resp: 151831  
Ion Ratio Lower Upper  
63 100  
65 32.0 22.5 41.9  
83 13.4 9.4 17.6



#21  
2-Butanone  
Concen: 39.081 ug/L  
RT: 3.892 min Scan# 887  
Delta R.T. -0.023 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion: 43 Resp: 150004  
Ion Ratio Lower Upper  
43 100  
72 23.9 12.2 36.4





#22

cis-1,2-Dichloroethene

Concen: 4.484 ug/L

RT: 3.805 min Scan# 860

Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

Instrument :

MSVOA\_V

ClientSampleId :

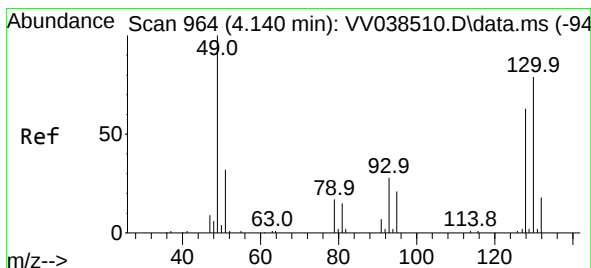
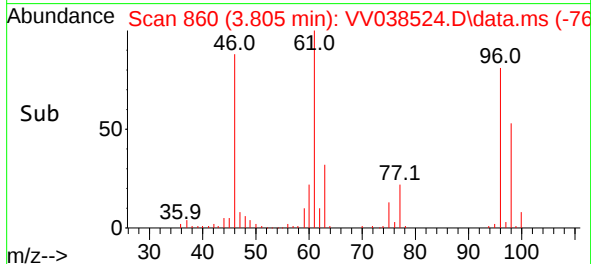
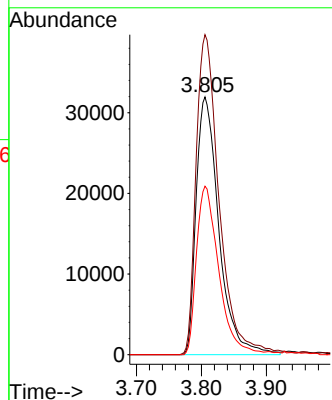
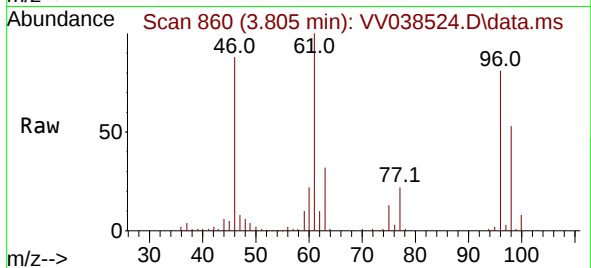
Tgt Ion: 96 Resp: 77931

Ion Ratio Lower Upper

96 100

61 124.2 86.5 160.7

98 65.4 43.8 81.3



#23

Bromochloromethane

Concen: 4.706 ug/L

RT: 4.140 min Scan# 964

Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

Tgt Ion:128 Resp: 37213

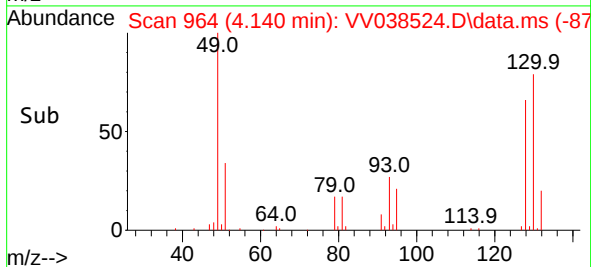
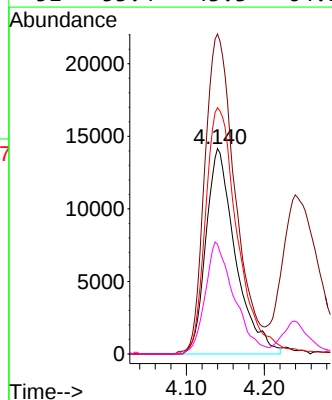
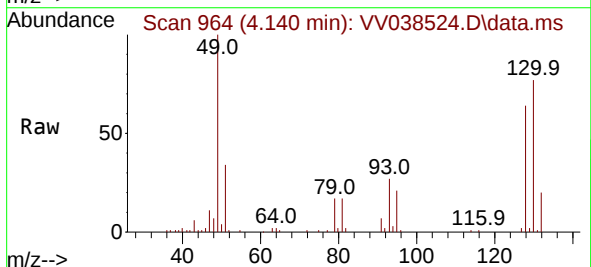
Ion Ratio Lower Upper

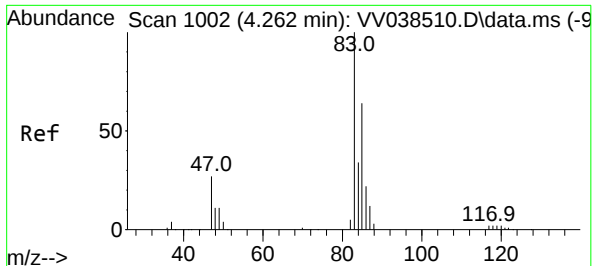
128 100

49 155.8 121.0 224.8

130 119.9 90.1 167.3

51 53.4 43.3 64.9





#25

Chloroform

Concen: 4.839 ug/L

RT: 4.265 min Scan# 1002

Delta R.T. 0.003 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

Instrument :

MSVOA\_V

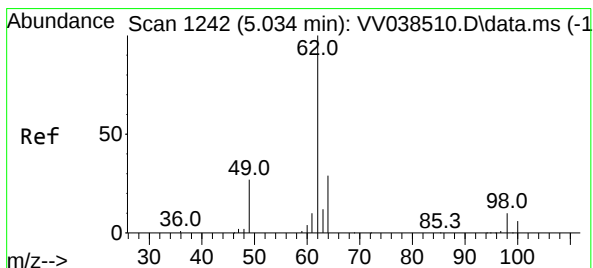
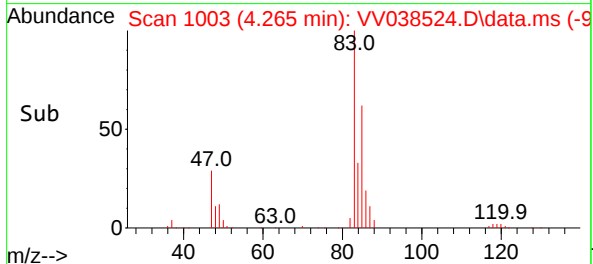
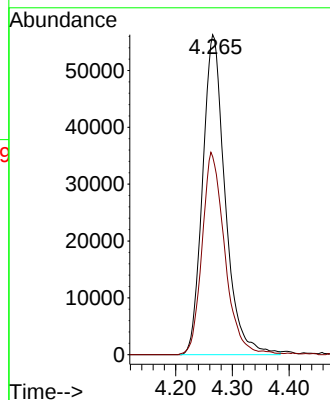
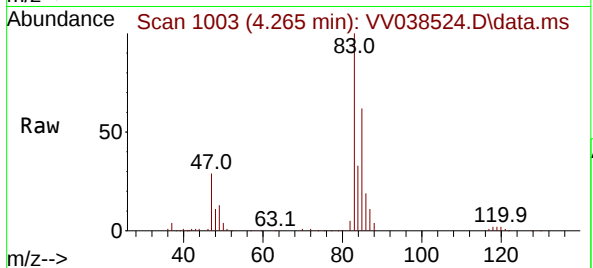
ClientSampleId :

Tgt Ion: 83 Resp: 155617

Ion Ratio Lower Upper

83 100

85 61.9 44.0 81.8



#27

1,2-Dichloroethane

Concen: 4.620 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.000 min

Lab File: VV038524.D

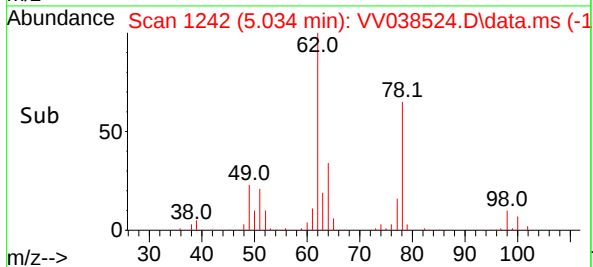
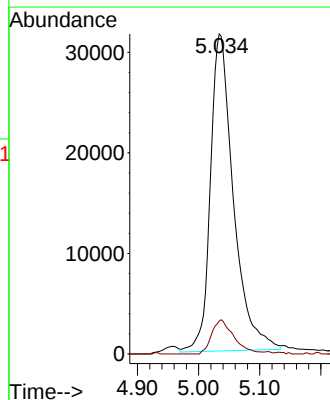
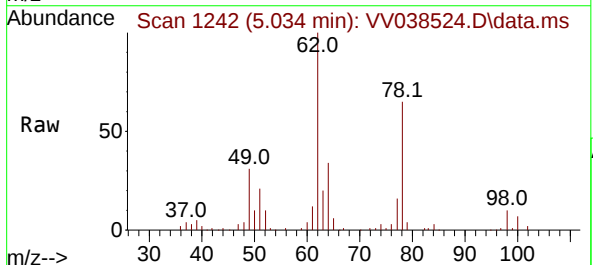
Acq: 24 Jan 2025 09:07

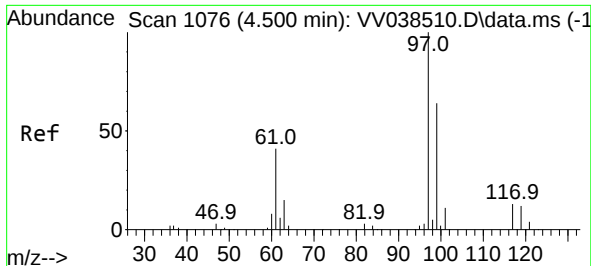
Tgt Ion: 62 Resp: 82624

Ion Ratio Lower Upper

62 100

98 10.3 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.910 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

Instrument :

MSVOA\_V

ClientSampleId :

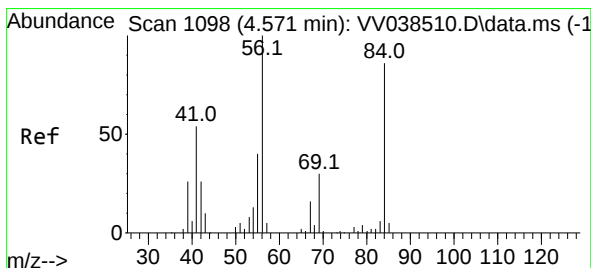
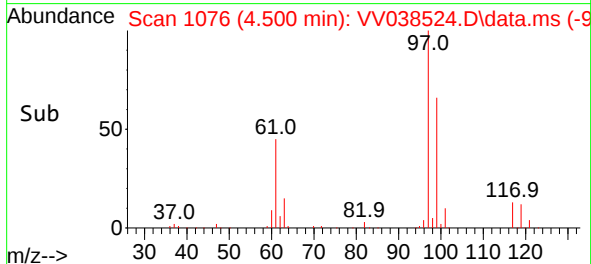
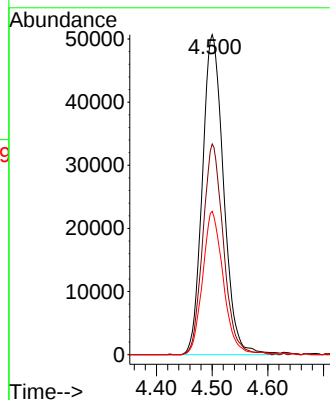
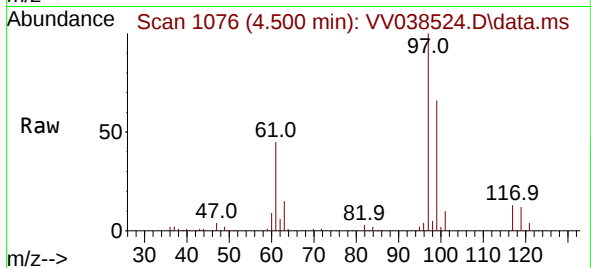
Tgt Ion: 97 Resp: 134302

Ion Ratio Lower Upper

97 100

99 63.9 52.9 79.3

61 43.4 36.4 54.6



#30

Cyclohexane

Concen: 4.546 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

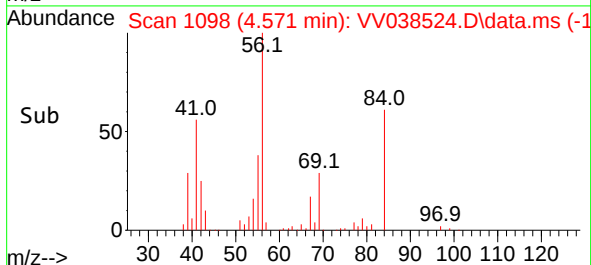
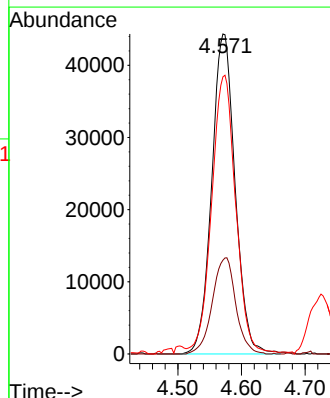
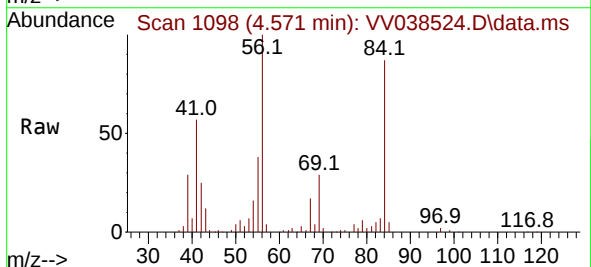
Tgt Ion: 56 Resp: 113245

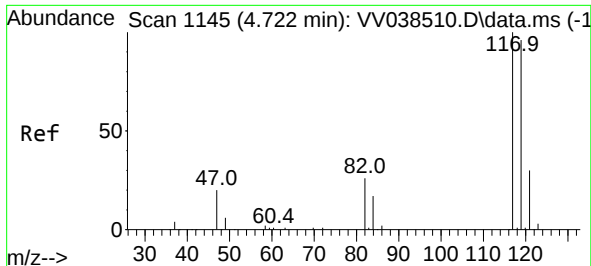
Ion Ratio Lower Upper

56 100

69 30.1 24.7 37.1

84 88.2 68.2 102.2

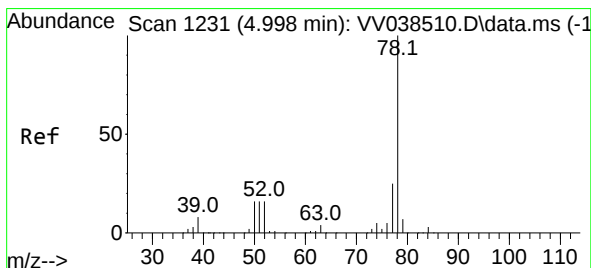
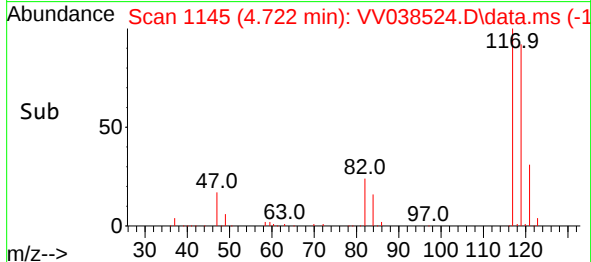
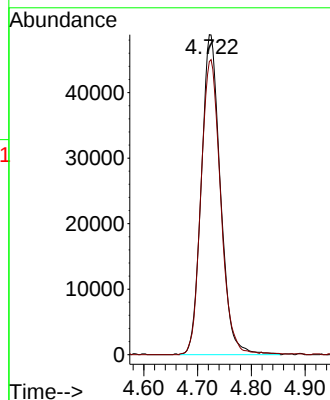
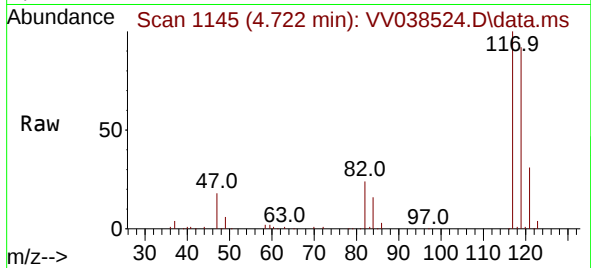




#31  
Carbon tetrachloride  
Concen: 4.974 ug/L  
RT: 4.722 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

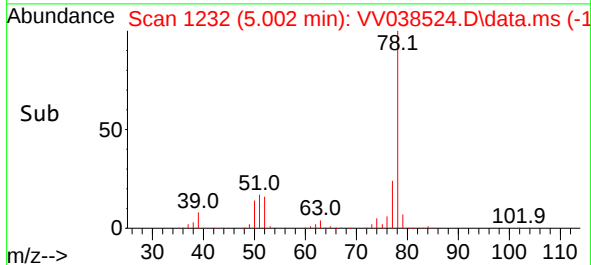
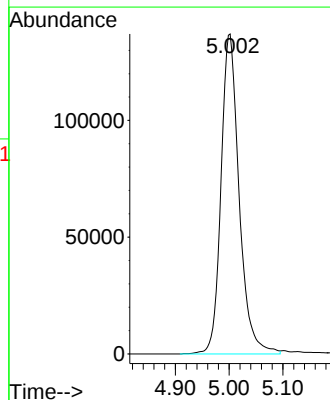
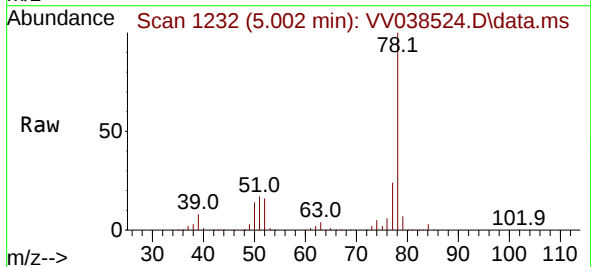
Instrument :  
MSVOA\_V  
ClientSampleId :

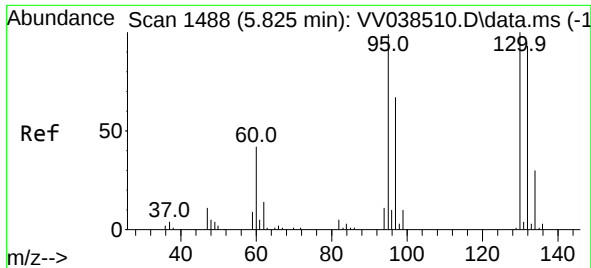
Tgt Ion:117 Resp: 120260  
Ion Ratio Lower Upper  
117 100  
119 95.0 76.6 115.0



#33  
Benzene  
Concen: 4.910 ug/L  
RT: 5.002 min Scan# 1232  
Delta R.T. 0.003 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion: 78 Resp: 320776



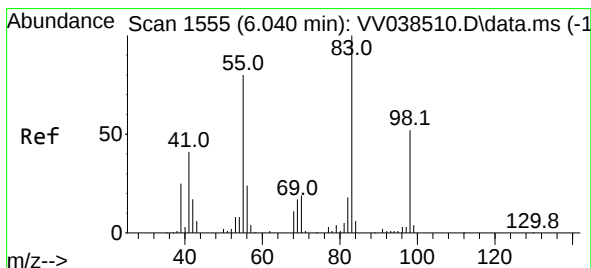
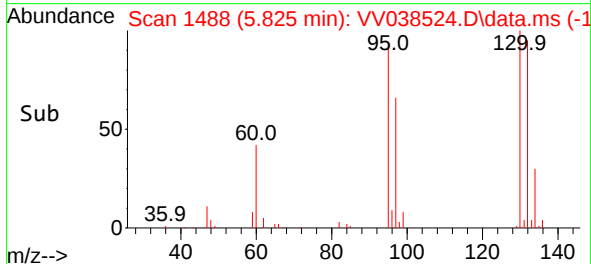
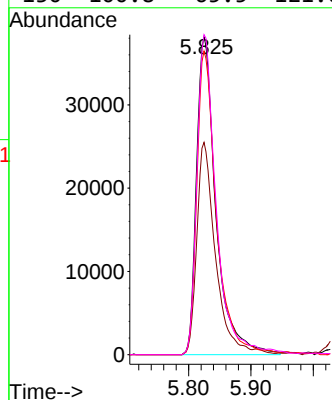
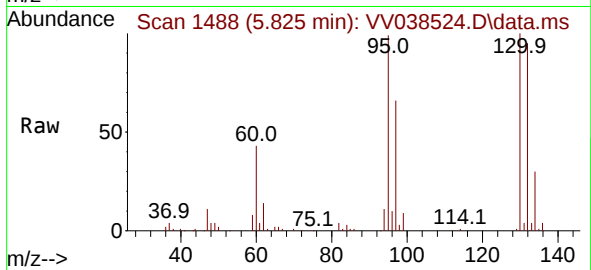


#34  
Trichloroethene  
Concen: 4.871 ug/L  
RT: 5.825 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 95 Resp: 82702

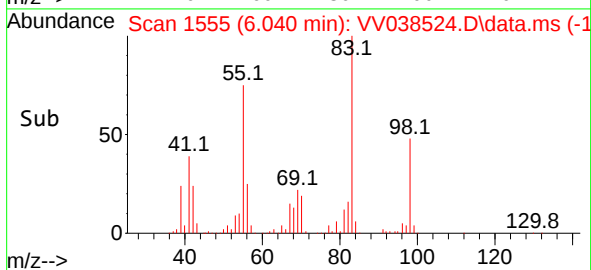
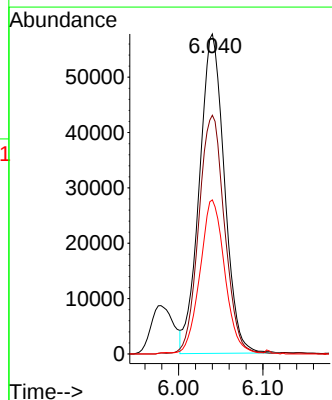
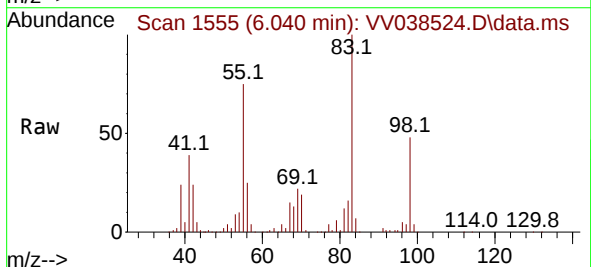
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.8  | 43.4  | 80.6  |
| 132 | 95.6  | 65.5  | 121.6 |
| 130 | 100.8 | 65.5  | 121.6 |

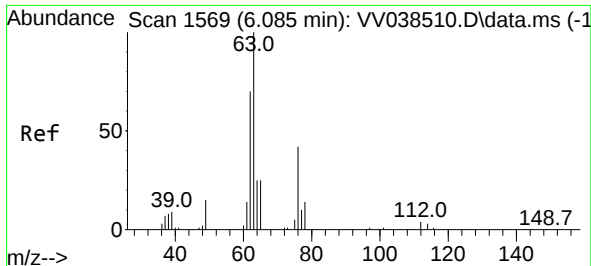


#35  
Methylcyclohexane  
Concen: 4.608 ug/L  
RT: 6.040 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion: 83 Resp: 119250

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 76.4  | 59.4  | 89.0  |
| 98  | 46.6  | 37.8  | 56.8  |





#37

1,2-Dichloropropane

Concen: 4.791 ug/L

RT: 6.085 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

Instrument :

MSVOA\_V

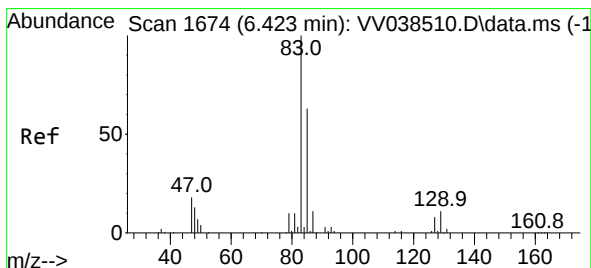
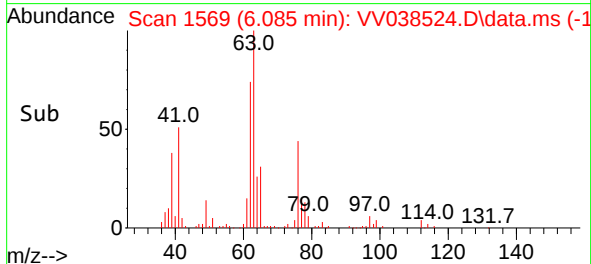
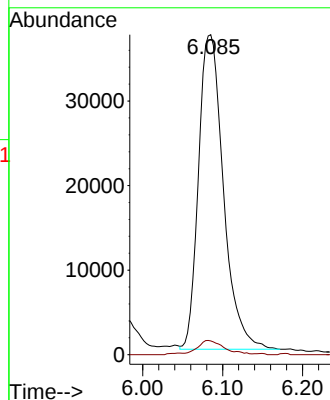
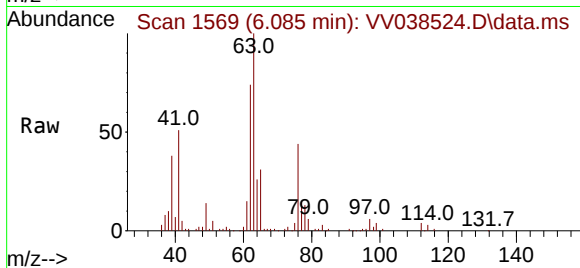
ClientSampleId :

Tgt Ion: 63 Resp: 80828

Ion Ratio Lower Upper

63 100

112 4.8 4.1 6.1



#38

Bromodichloromethane

Concen: 4.796 ug/L

RT: 6.423 min Scan# 1674

Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

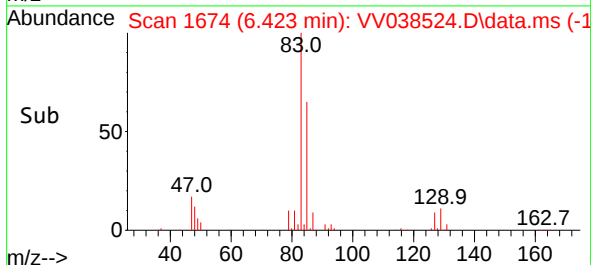
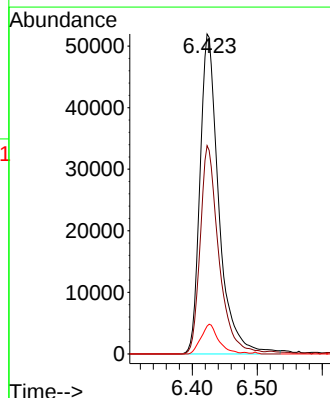
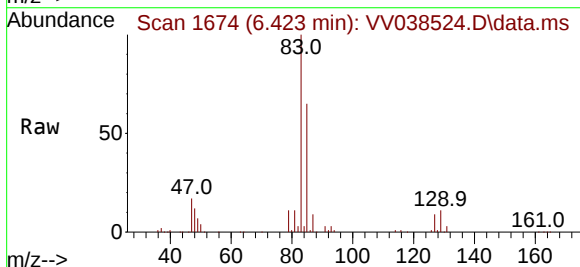
Tgt Ion: 83 Resp: 104946

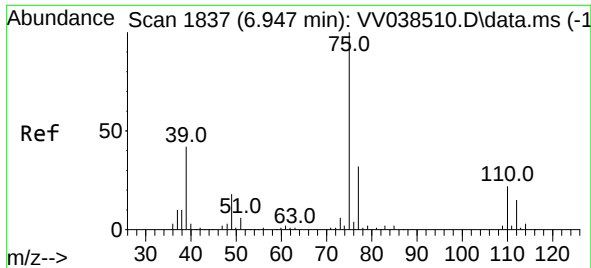
Ion Ratio Lower Upper

83 100

85 65.1 44.7 83.1

127 8.7 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.384 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

Instrument :

MSVOA\_V

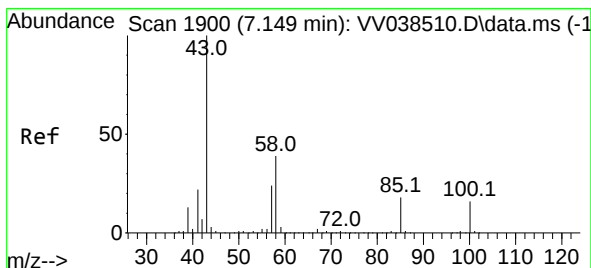
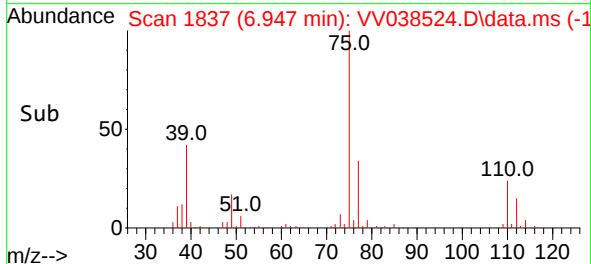
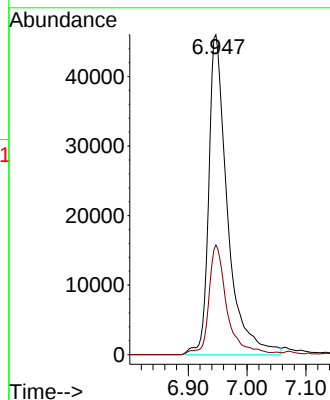
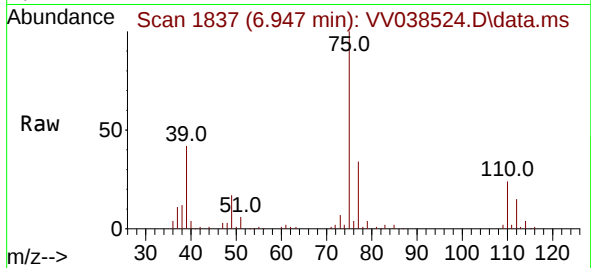
ClientSampleId :

Tgt Ion: 75 Resp: 101950

Ion Ratio Lower Upper

75 100

77 34.3 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 45.432 ug/L

RT: 7.149 min Scan# 1900

Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

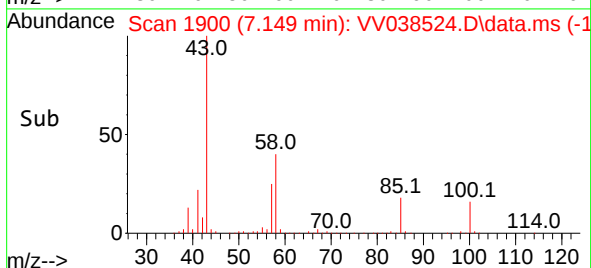
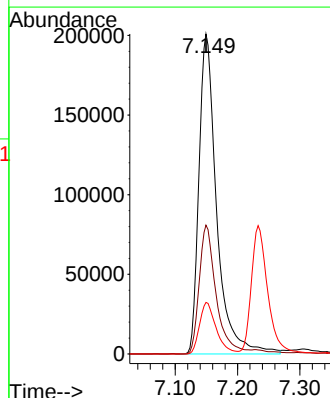
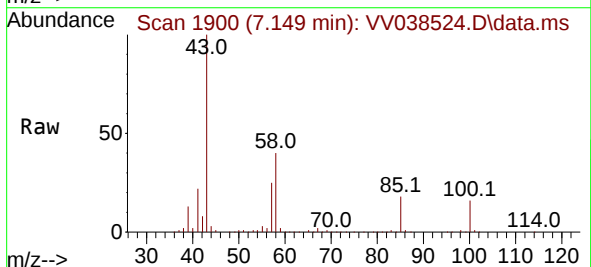
Tgt Ion: 43 Resp: 396600

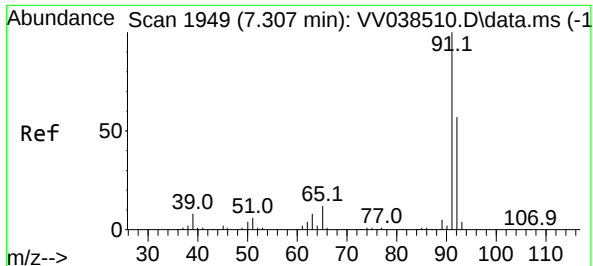
Ion Ratio Lower Upper

43 100

58 38.4 31.7 47.5

100 15.2 12.4 18.6

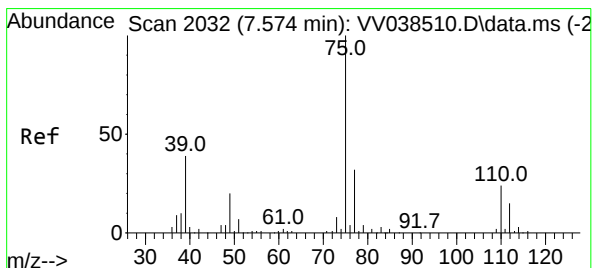
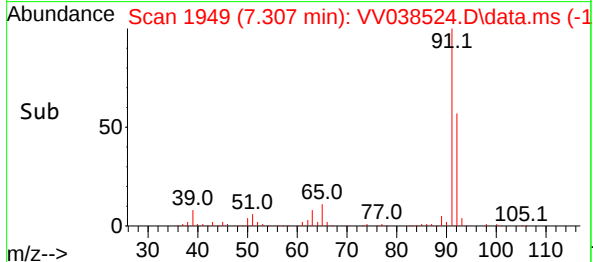
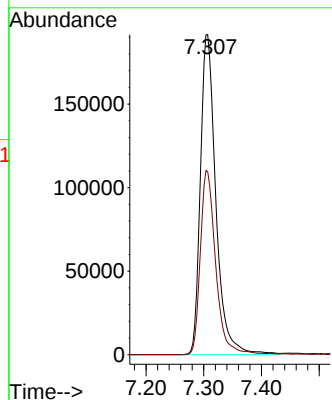
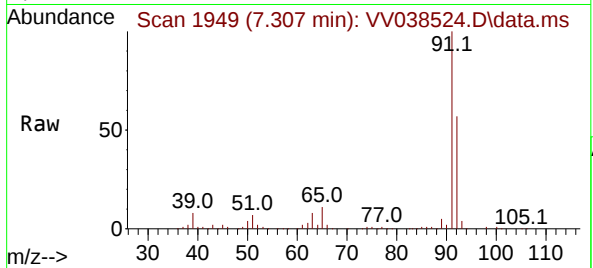




#42  
Toluene  
Concen: 5.255 ug/L  
RT: 7.307 min Scan# 1949  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

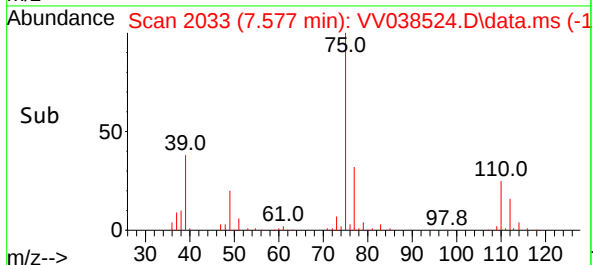
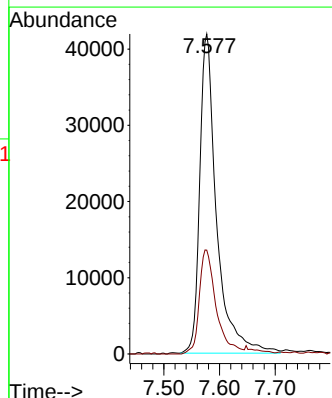
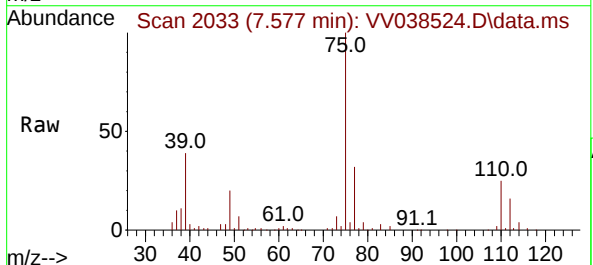
Instrument :  
MSVOA\_V  
ClientSampleId :

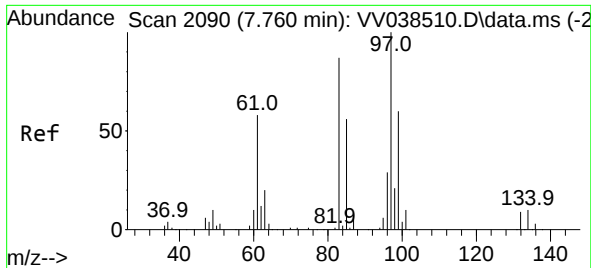
Tgt Ion: 91 Resp: 357832  
Ion Ratio Lower Upper  
91 100  
92 57.2 40.6 75.4



#44  
trans-1,3-Dichloropropene  
Concen: 4.464 ug/L  
RT: 7.577 min Scan# 2033  
Delta R.T. 0.003 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion: 75 Resp: 87967  
Ion Ratio Lower Upper  
75 100  
77 32.5 22.8 42.4

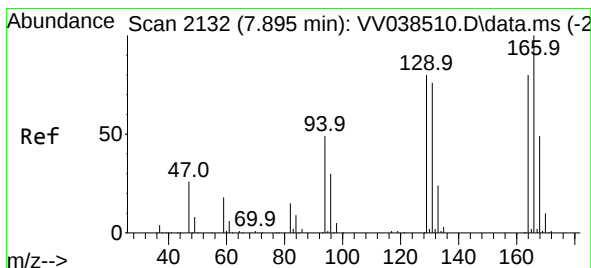
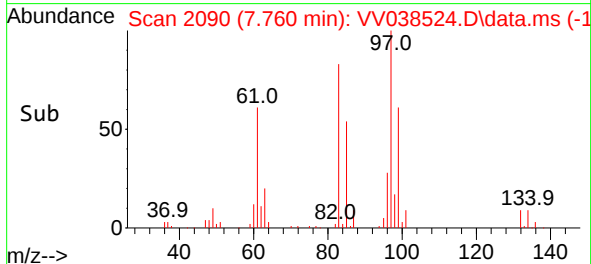
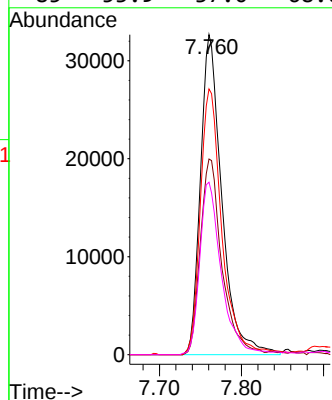
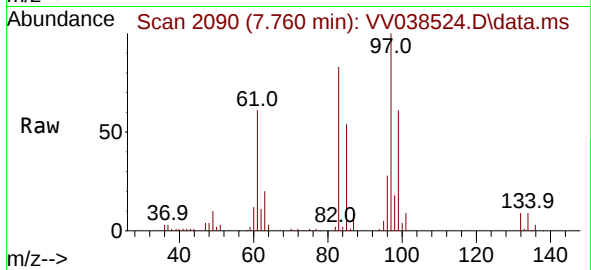




#45  
1,1,2-Trichloroethane  
Concen: 4.882 ug/L  
RT: 7.760 min Scan# 2090  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

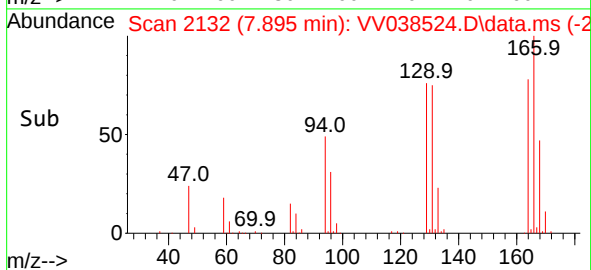
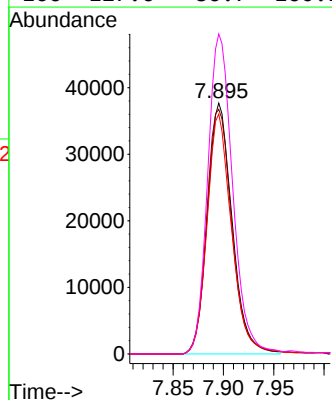
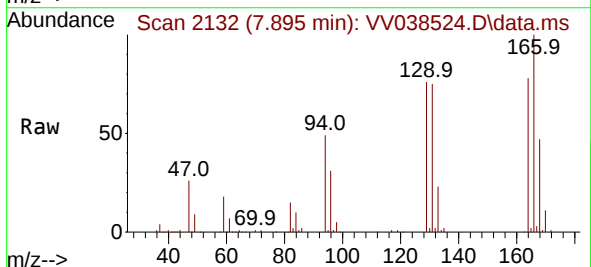
Instrument :  
MSVOA\_V  
ClientSampleId :

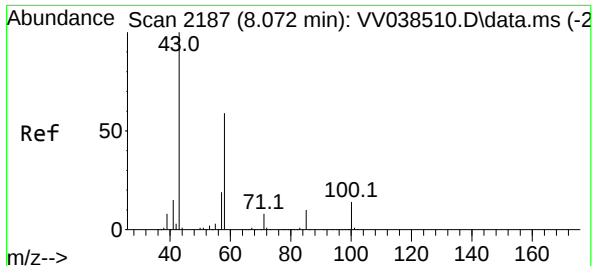
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 59248 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 61.1     | 42.3 78.5   |
| 83 83.1     | 59.4 110.4  |
| 85 53.9     | 37.0 68.6   |



#47  
Tetrachloroethene  
Concen: 4.930 ug/L  
RT: 7.895 min Scan# 2132  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

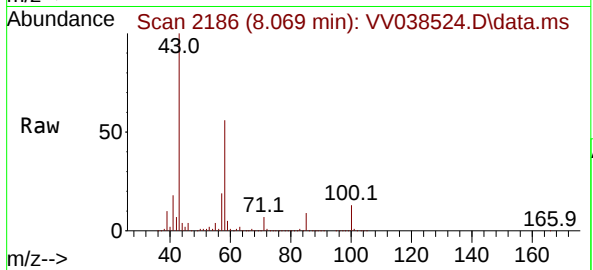
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 64785 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 97.5    | 68.9  | 127.9 |
| 131 | 95.6    | 65.2  | 121.2 |
| 166 | 127.6   | 86.7  | 160.9 |





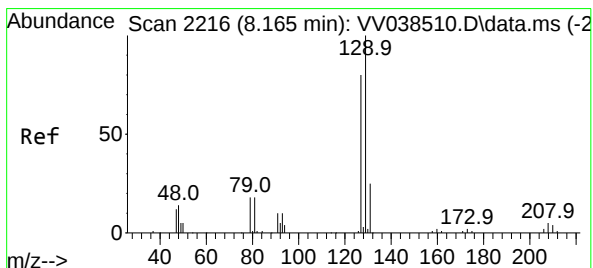
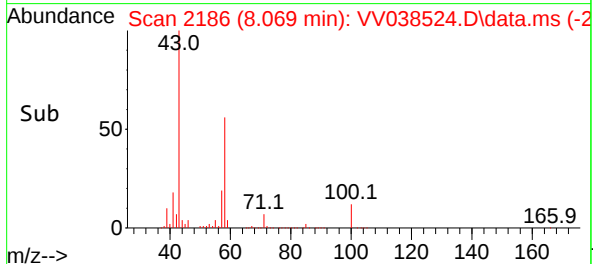
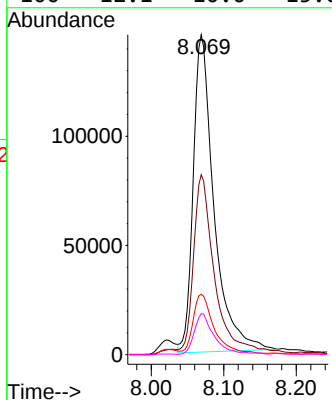
#48  
2-Hexanone  
Concen: 45.750 ug/L  
RT: 8.069 min Scan# 2187  
Delta R.T. -0.003 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 43 Resp: 289168

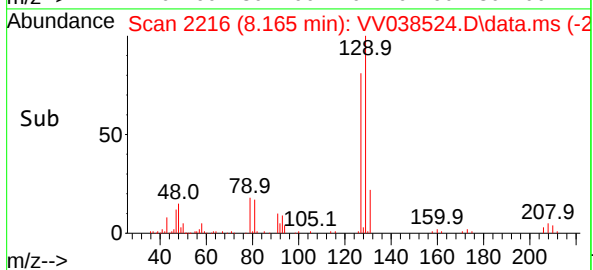
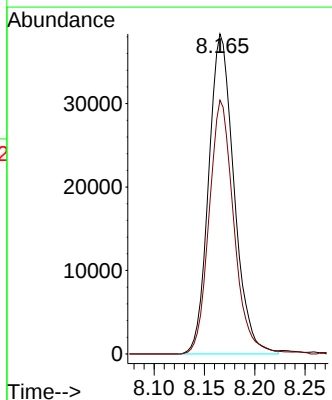
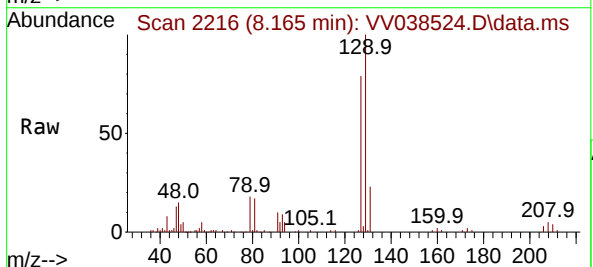
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 56.9  | 43.6  | 65.4  |
| 57  | 18.8  | 15.0  | 22.4  |
| 100 | 12.1  | 10.0  | 15.0  |

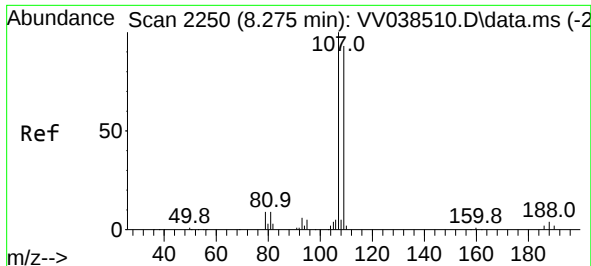


#49  
Dibromochloromethane  
Concen: 4.809 ug/L  
RT: 8.165 min Scan# 2216  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion: 129 Resp: 67186

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 79.3  | 52.8  | 98.2  |





#50

1,2-Dibromoethane

Concen: 4.903 ug/L

RT: 8.275 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV038524.D

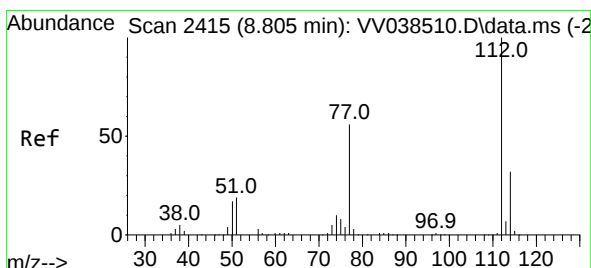
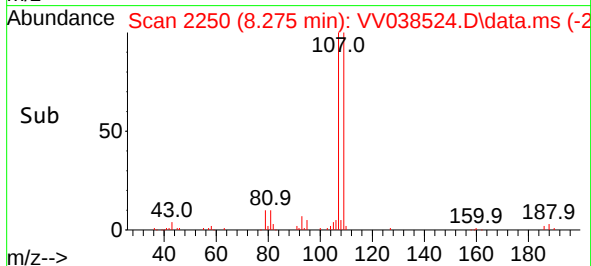
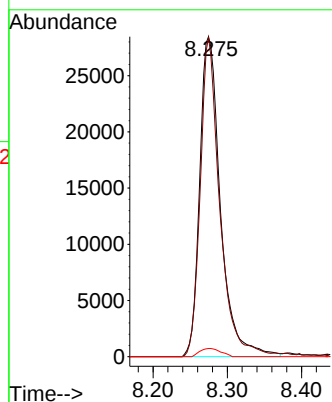
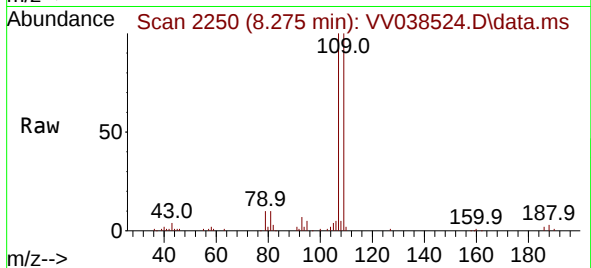
Acq: 24 Jan 2025 09:07

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 55363 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 99.8  | 65.9  | 122.3 |
| 188      | 2.6   | 2.8   | 4.2#  |



#51

Chlorobenzene

Concen: 4.929 ug/L

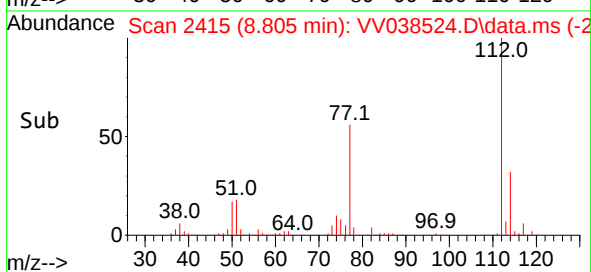
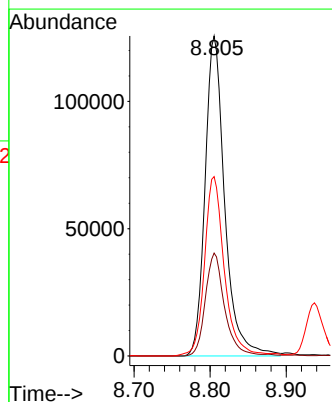
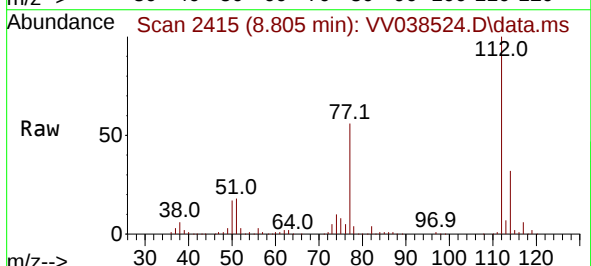
RT: 8.805 min Scan# 2415

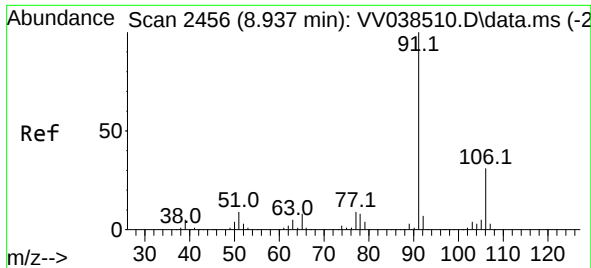
Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 225854 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.1  | 22.9  | 42.5   |
| 77       | 56.1  | 46.1  | 69.1   |

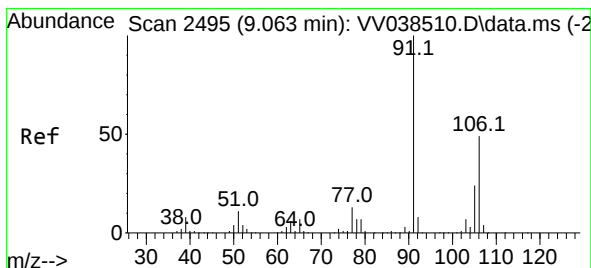
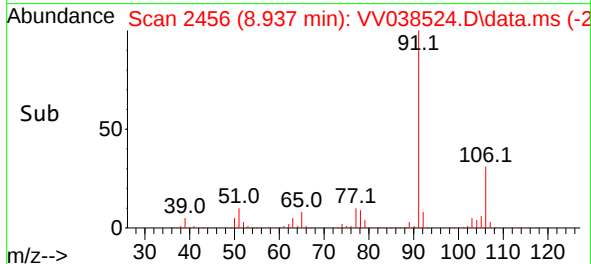
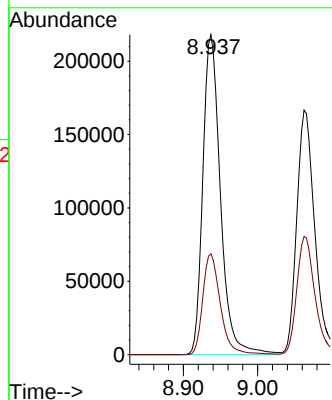
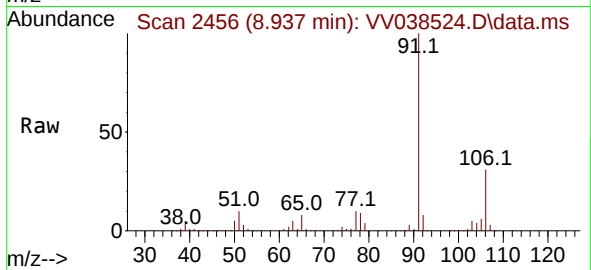




#52  
Ethylbenzene  
Concen: 4.911 ug/L  
RT: 8.937 min Scan# 2456  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

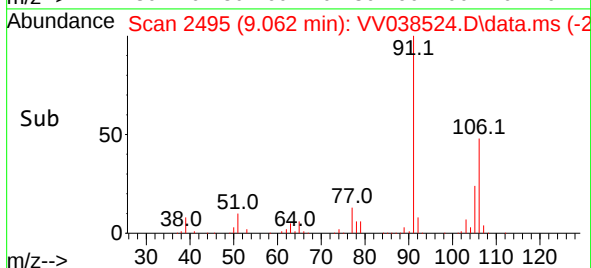
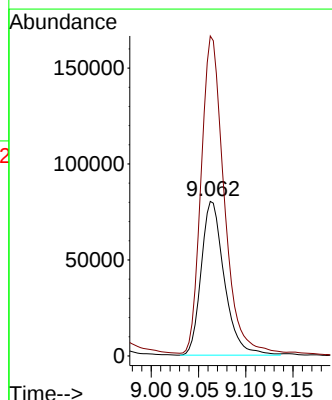
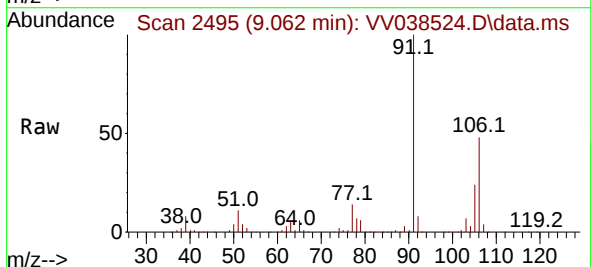
Instrument :  
MSVOA\_V  
ClientSampleId :

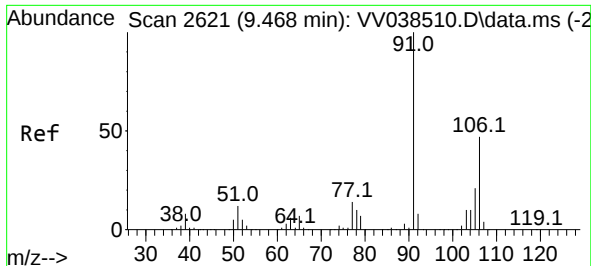
Tgt Ion: 91 Resp: 359703  
Ion Ratio Lower Upper  
91 100  
106 31.5 22.0 40.8



#53  
m,p-Xylene  
Concen: 4.925 ug/L  
RT: 9.062 min Scan# 2495  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion: 106 Resp: 136737  
Ion Ratio Lower Upper  
106 100  
91 207.0 148.2 275.2

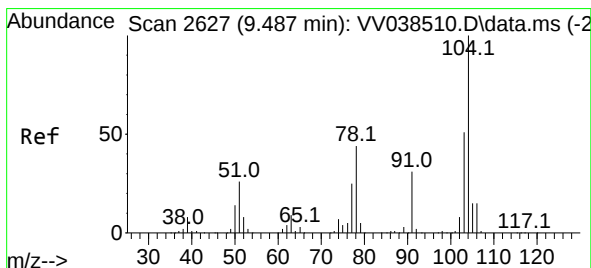
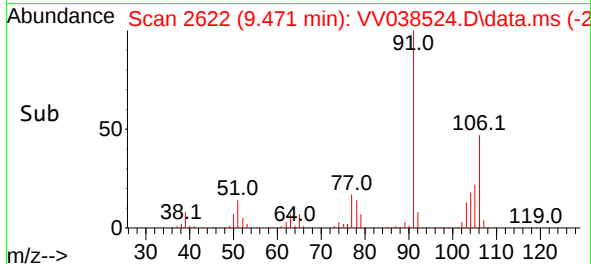
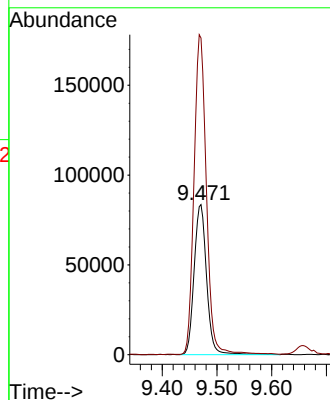
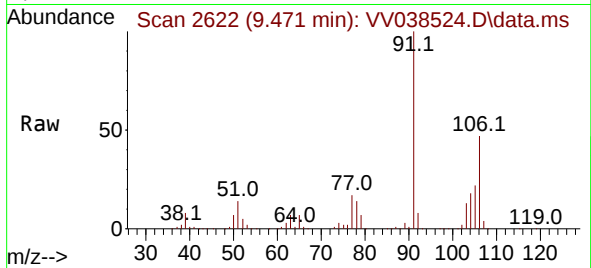




#54  
o-Xylene  
Concen: 5.009 ug/L  
RT: 9.471 min Scan# 2621  
Delta R.T. 0.003 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

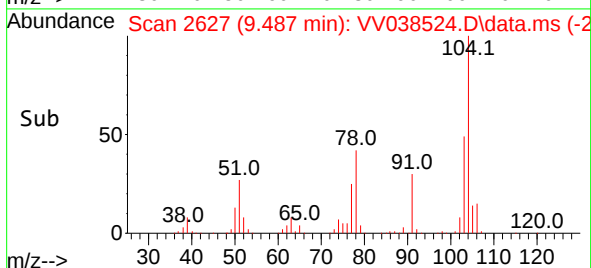
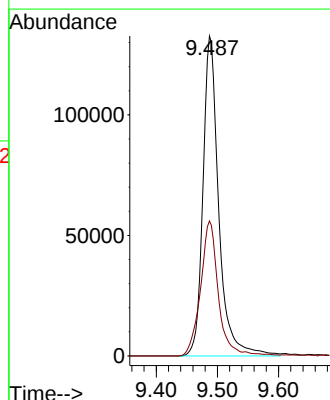
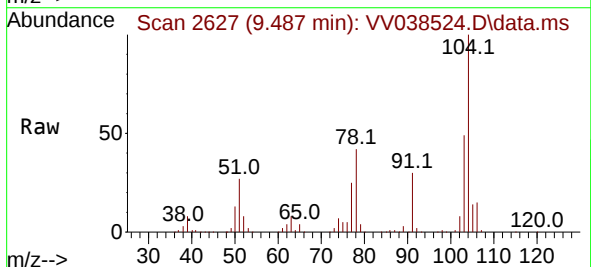
Instrument :  
MSVOA\_V  
ClientSampleId :

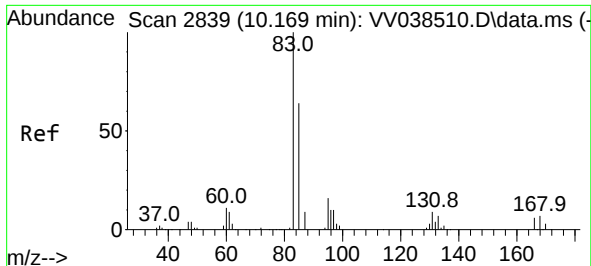
Tgt Ion:106 Resp: 132527  
Ion Ratio Lower Upper  
106 100  
91 211.0 151.4 281.2



#55  
Styrene  
Concen: 5.172 ug/L  
RT: 9.487 min Scan# 2627  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion:104 Resp: 238604  
Ion Ratio Lower Upper  
104 100  
78 42.2 30.8 57.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.612 ug/L

RT: 10.169 min Scan# 2839

Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

Instrument :

MSVOA\_V

ClientSampleId :

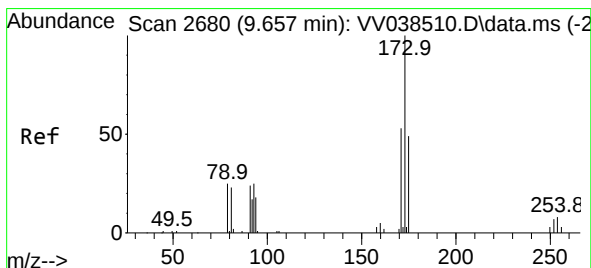
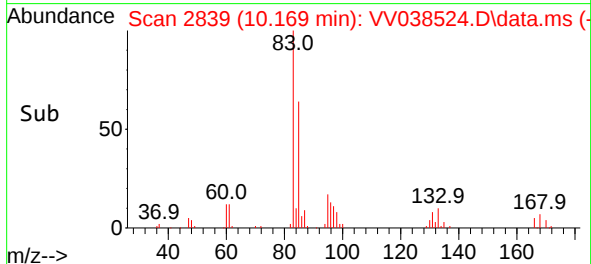
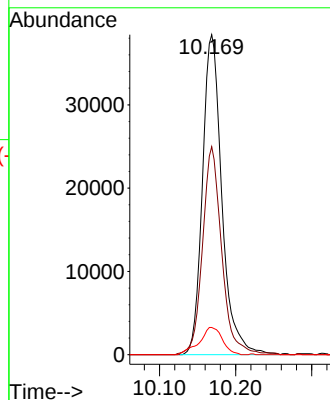
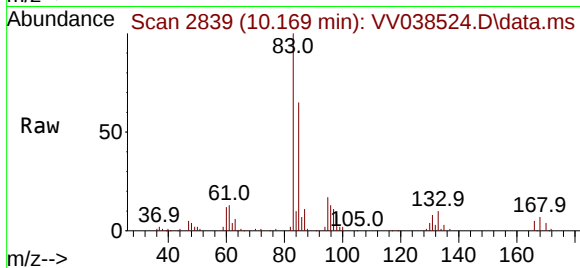
Tgt Ion: 83 Resp: 68159

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.7

131 8.5 7.5 11.3



#59

Bromoform

Concen: 4.315 ug/L

RT: 9.657 min Scan# 2680

Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

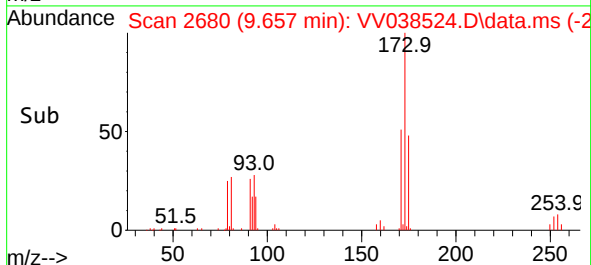
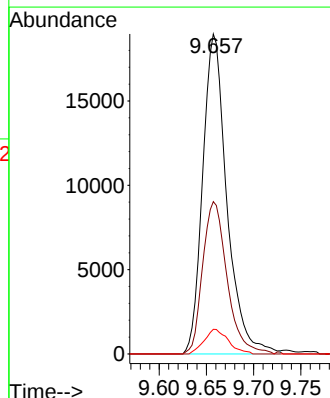
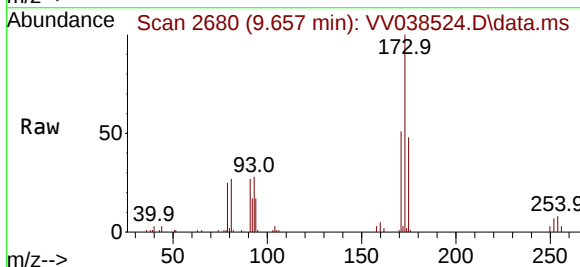
Tgt Ion: 173 Resp: 33741

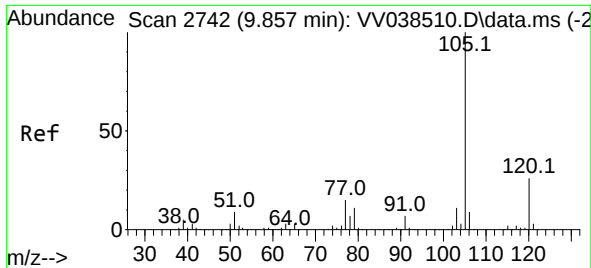
Ion Ratio Lower Upper

173 100

175 48.0 37.6 56.4

254 7.7 5.6 8.4

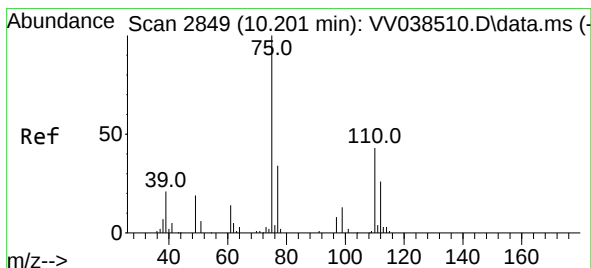
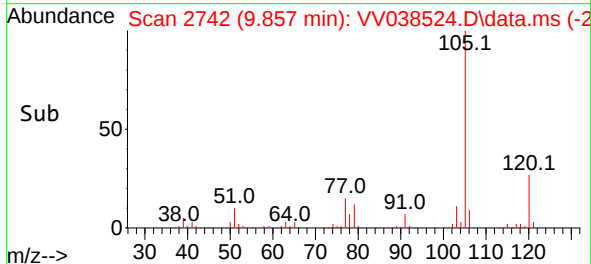
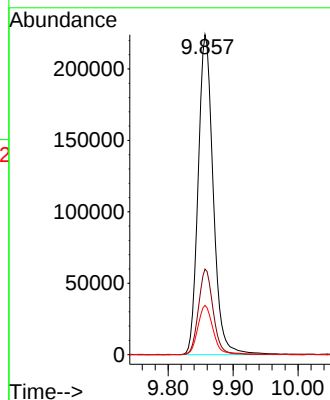
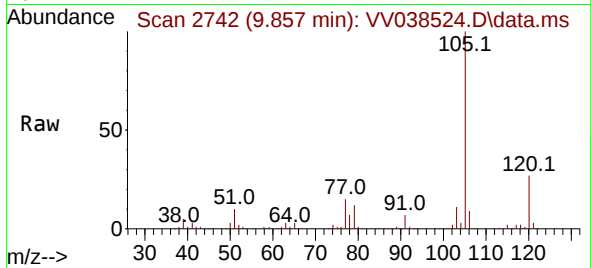




#60  
Isopropylbenzene  
Concen: 4.803 ug/L  
RT: 9.857 min Scan# 2742  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

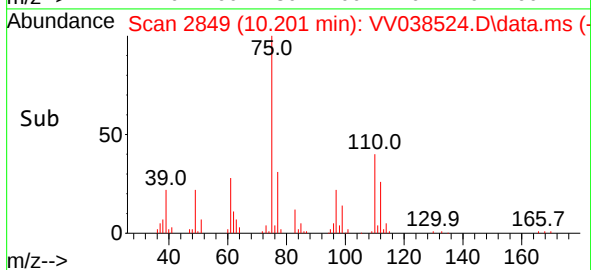
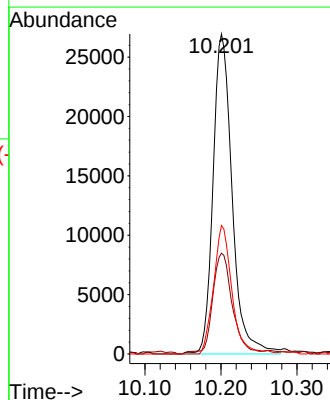
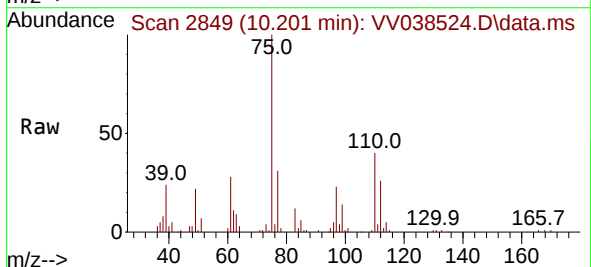
Instrument :  
MSVOA\_V  
ClientSampleId :

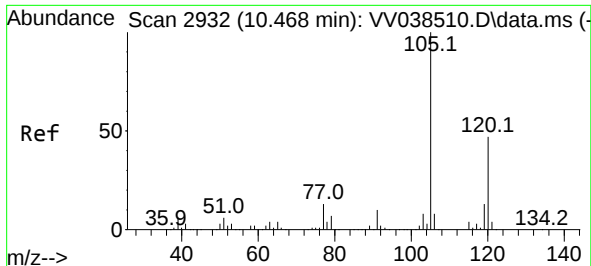
Tgt Ion:105 Resp: 362382  
Ion Ratio Lower Upper  
105 100  
120 26.1 21.4 32.2  
77 15.3 12.7 19.1



#61  
1,2,3-Trichloropropane  
Concen: 4.364 ug/L  
RT: 10.201 min Scan# 2849  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion: 75 Resp: 47010  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.4 38.0  
110 38.1 32.6 48.8





#62

1,3,5-Trimethylbenzene

Concen: 4.549 ug/L

RT: 10.468 min Scan# 2932

Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

Instrument :

MSVOA\_V

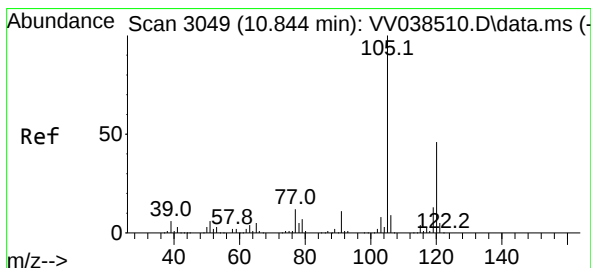
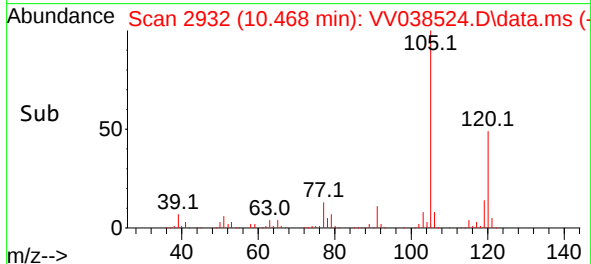
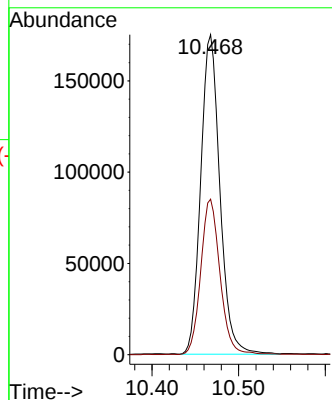
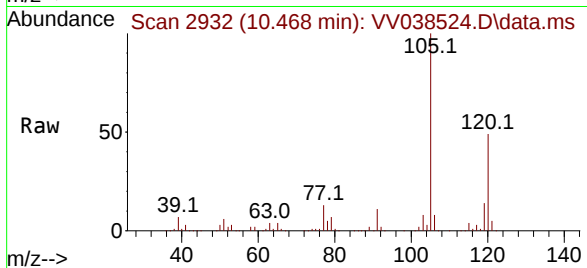
ClientSampleId :

Tgt Ion:105 Resp: 268732

Ion Ratio Lower Upper

105 100

120 48.7 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 4.661 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV038524.D

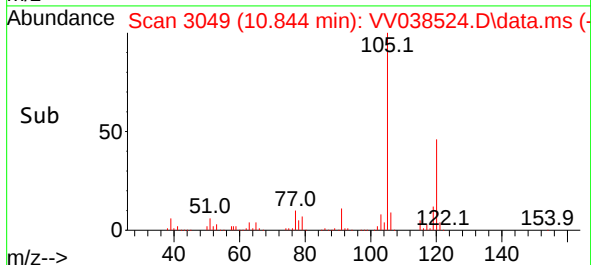
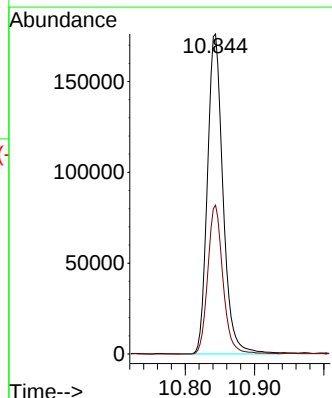
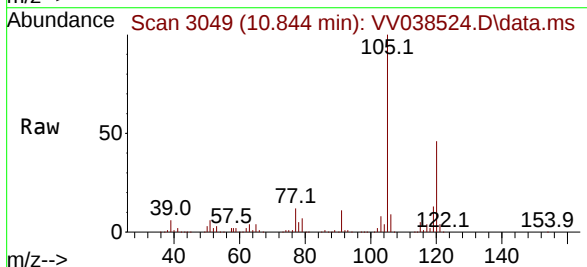
Acq: 24 Jan 2025 09:07

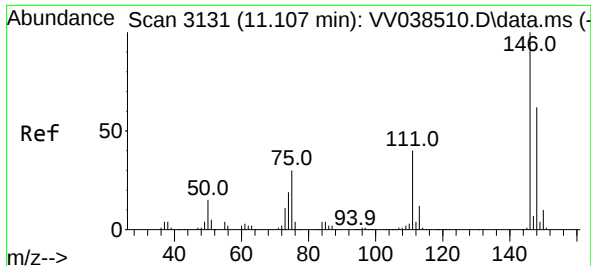
Tgt Ion:105 Resp: 275021

Ion Ratio Lower Upper

105 100

120 45.2 35.8 53.8

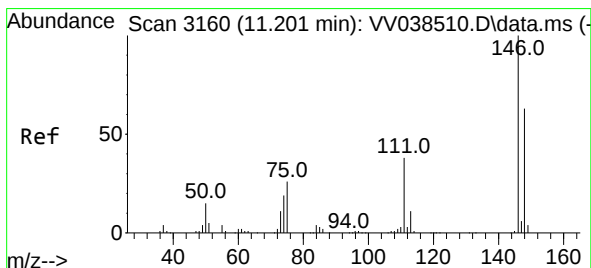
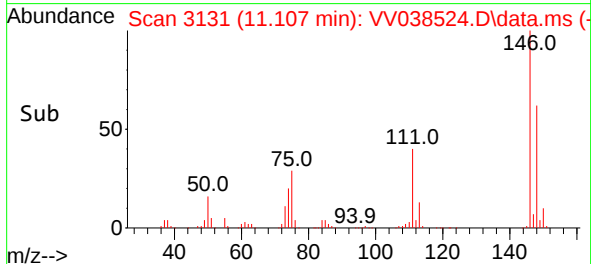
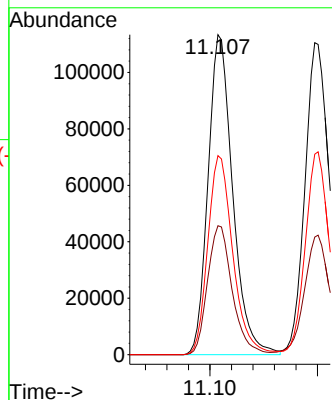
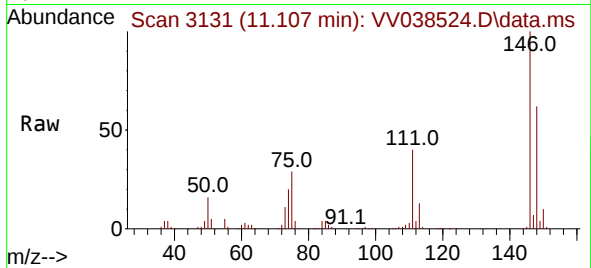




#64  
1,3-Dichlorobenzene  
Concen: 4.821 ug/L  
RT: 11.107 min Scan# 3131  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

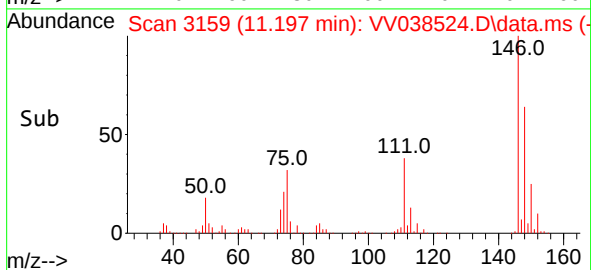
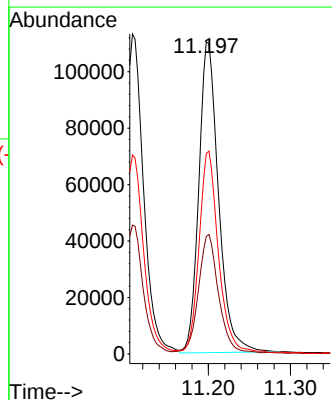
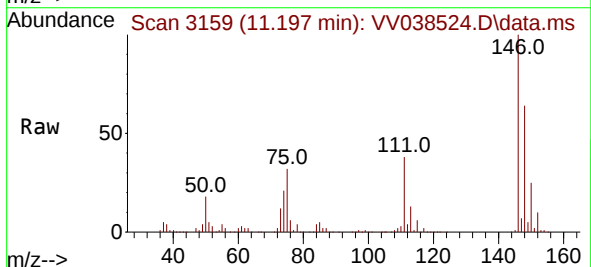
Instrument :  
MSVOA\_V  
ClientSampleId :

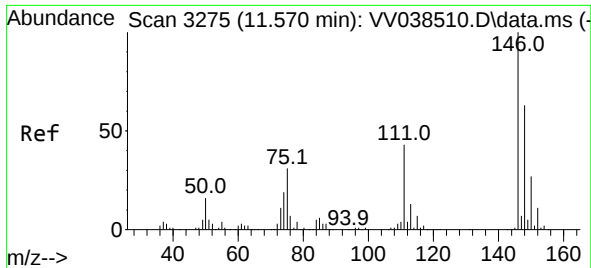
Tgt Ion:146 Resp: 180434  
Ion Ratio Lower Upper  
146 100  
111 40.3 27.9 51.9  
148 62.2 44.7 83.1



#65  
1,4-Dichlorobenzene  
Concen: 4.756 ug/L  
RT: 11.197 min Scan# 3159  
Delta R.T. -0.003 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion:146 Resp: 184051  
Ion Ratio Lower Upper  
146 100  
111 37.7 28.1 52.3  
148 64.2 44.7 83.1

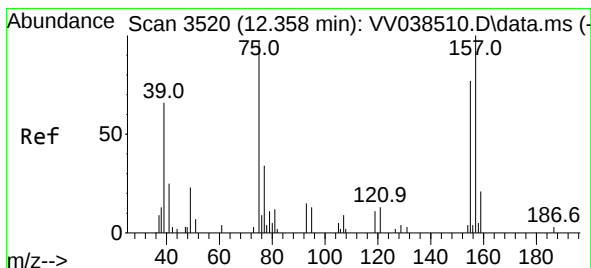
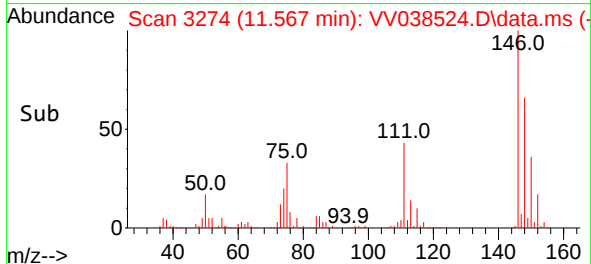
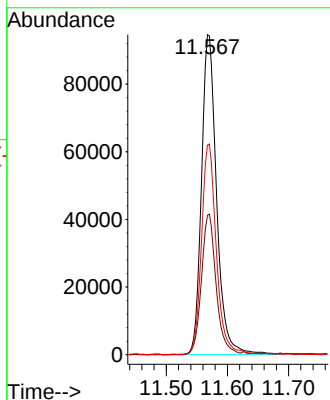
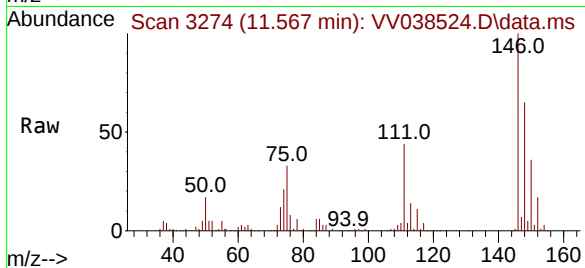




#67  
1,2-Dichlorobenzene  
Concen: 4.614 ug/L  
RT: 11.567 min Scan# 311  
Delta R.T. -0.003 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

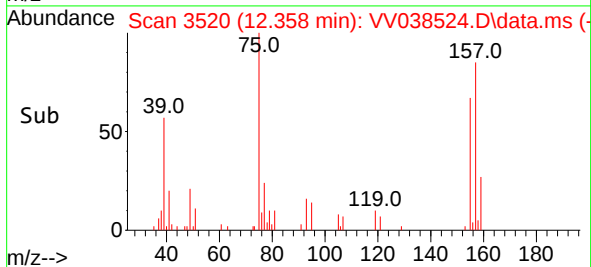
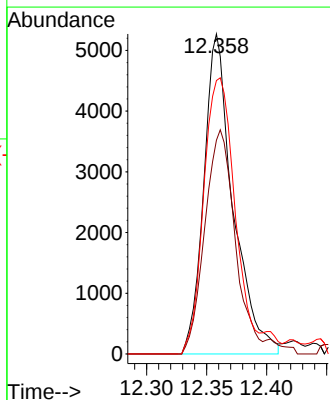
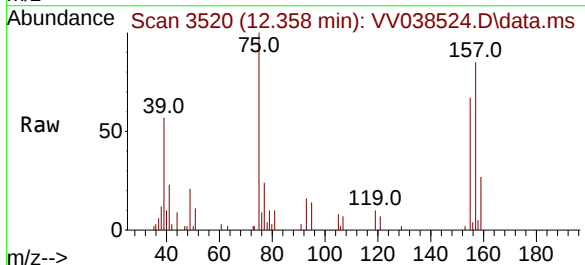
Instrument :  
MSVOA\_V  
ClientSampleId :

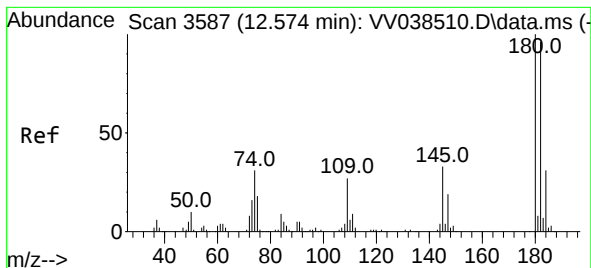
Tgt Ion:146 Resp: 161712  
Ion Ratio Lower Upper  
146 100  
111 43.5 33.4 50.0  
148 65.4 49.9 74.9



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.007 ug/L  
RT: 12.358 min Scan# 3520  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion: 75 Resp: 8922  
Ion Ratio Lower Upper  
75 100  
155 66.8 56.7 85.1  
157 85.5 74.4 111.6





#69

1,3,5-Trichlorobenzene

Concen: 4.433 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. -0.000 min

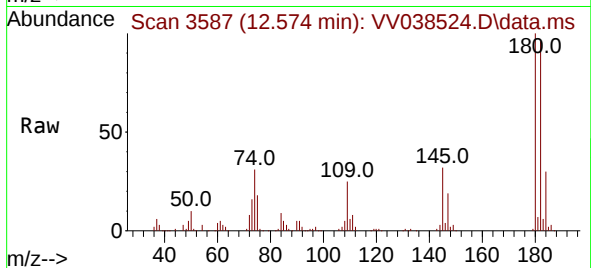
Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 114109

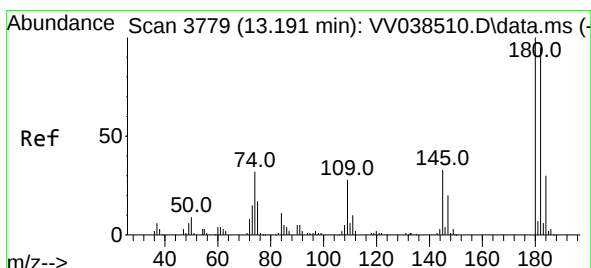
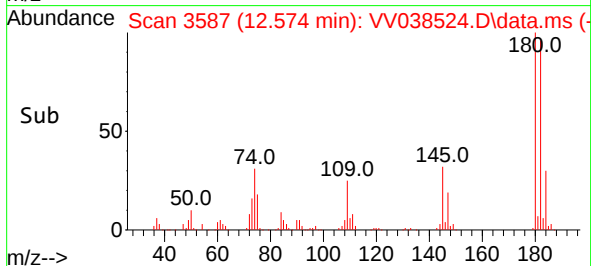
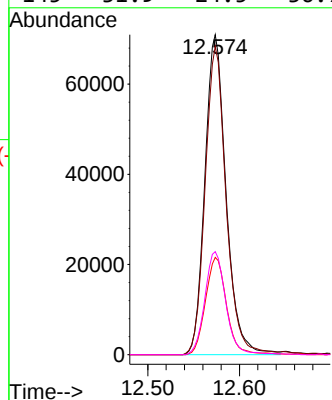
Ion Ratio Lower Upper

180 100

182 95.3 74.3 111.5

184 29.8 23.2 34.8

145 31.9 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 4.145 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV038524.D

Acq: 24 Jan 2025 09:07

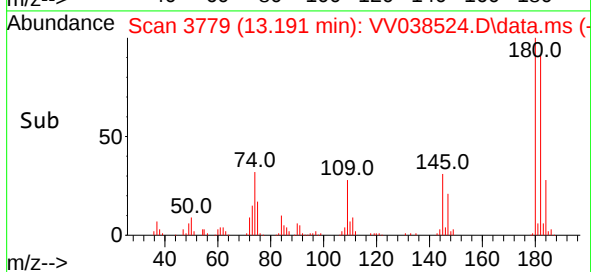
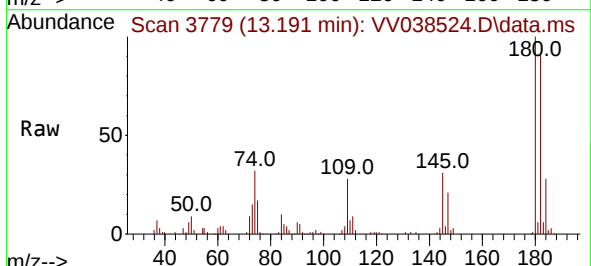
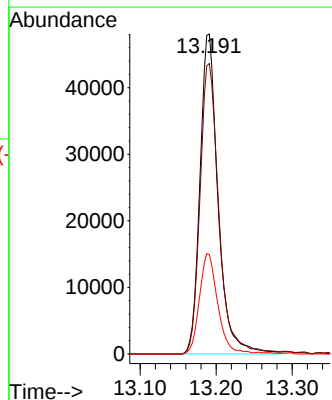
Tgt Ion:180 Resp: 79310

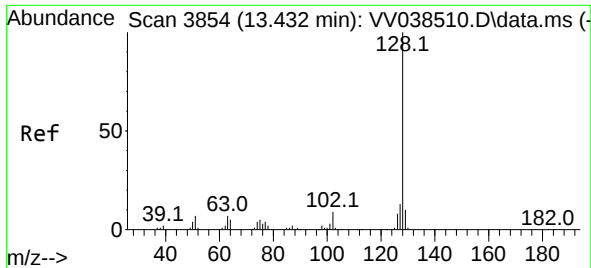
Ion Ratio Lower Upper

180 100

182 94.9 77.5 116.3

145 31.7 26.2 39.4

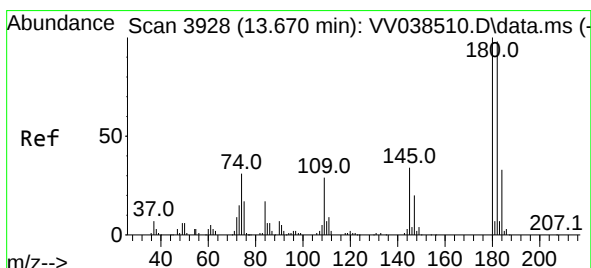
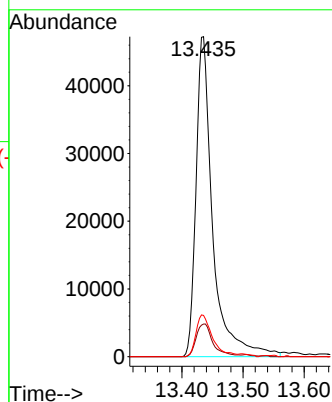
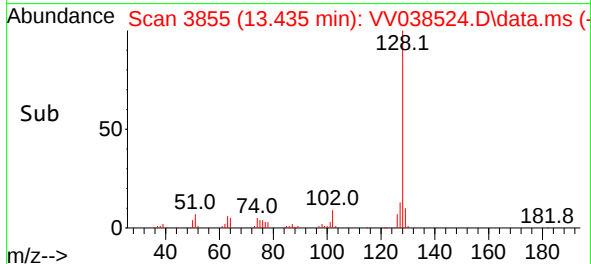
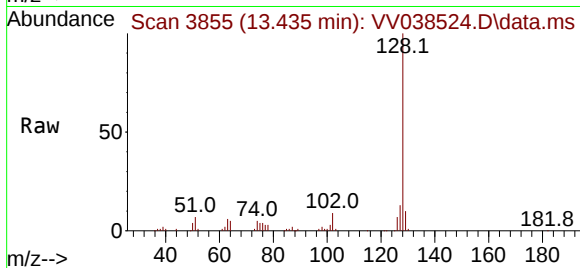




#71  
Naphthalene  
Concen: 3.158 ug/L  
RT: 13.435 min Scan# 3855  
Delta R.T. 0.003 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 89511  
Ion Ratio Lower Upper  
128 100  
129 10.4 8.3 12.5  
127 12.9 11.0 16.6



#72  
1,2,3-Trichlorobenzene  
Concen: 4.192 ug/L  
RT: 13.670 min Scan# 3928  
Delta R.T. -0.000 min  
Lab File: VV038524.D  
Acq: 24 Jan 2025 09:07

Tgt Ion:180 Resp: 69339  
Ion Ratio Lower Upper  
180 100  
182 91.9 77.0 115.6  
145 32.6 27.1 40.7

