

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV081324\  
 Data File : VV036925.D  
 Acq On : 13 Aug 2024 17:12  
 Operator : SY/MD  
 Sample : P3589-06MSD  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 14 04:13:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 14 04:10:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532   | 114   | 663783   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 640615   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181  | 152   | 325460   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 168644   | 31.809   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 63.620%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 156153   | 37.349   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 74.700%  |
| 11) 1,1-Dichloroethene-d2     | 2.059   | 65    | 75680    | 33.371   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 66.740%  |
| 21) 2-Butanone-d5             | 3.796   | 46    | 264251   | 94.072   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 94.070%  |
| 24) Chloroform-d              | 4.246   | 84    | 431510   | 45.355   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.700%  |
| 26) 1,2-Dichloroethane-d4     | 4.940   | 65    | 266408   | 43.551   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.100%  |
| 32) Benzene-d6                | 4.953   | 84    | 772032   | 39.901   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 79.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.985   | 67    | 267866   | 42.912   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 85.820%  |
| 41) Toluene-d8                | 7.239   | 98    | 661757   | 37.284   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 74.560%# |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 121653   | 37.447   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 74.900%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 177766   | 99.044   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 99.040%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84    | 364647   | 50.876   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 101.760% |
| 66) 1,2-Dichlorobenzene-d4    | 11.554  | 152   | 289394   | 43.636   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 87.280%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108   | 85    | 273750   | 51.722   | ug/L   | 99       |
| 3) Chloromethane              | 1.217   | 50    | 290069   | 52.369   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.281   | 62    | 292489   | 51.421   | ug/L   | 98       |
| 6) Bromomethane               | 1.487   | 94    | 176990   | 49.421   | ug/L   | 98       |
| 8) Chloroethane               | 1.548   | 64    | 180258   | 51.160   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 380164   | 51.024   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066   | 101   | 223100   | 50.817   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 211743   | 50.499   | ug/L   | 90       |
| 13) Acetone                   | 2.114   | 43    | 190378   | 81.004   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.240   | 76    | 592500   | 44.984   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.371   | 43    | 219194   | 45.273   | ug/L   | 98       |
| 16) Methylene chloride        | 2.445   | 84    | 243344   | 51.623   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.690   | 96    | 223376   | 51.430   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.709   | 73    | 768287   | 50.225   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.104   | 63    | 460390   | 52.466   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.809   | 96    | 266629   | 52.303   | ug/L   | 93       |
| 22) 2-Butanone                | 3.879   | 43    | 276153   | 87.710   | ug/L   | 98       |
| 23) Bromochloromethane        | 4.143   | 128   | 130746   | 52.799   | ug/L   | 97       |
| 25) Chloroform                | 4.272   | 83    | 465071   | 51.602   | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV081324\  
 Data File : VV036925.D  
 Acq On : 13 Aug 2024 17:12  
 Operator : SY/MD  
 Sample : P3589-06MSD  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

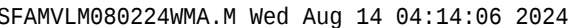
Instrument :  
 MSVOA\_V  
 ClientSampleId :

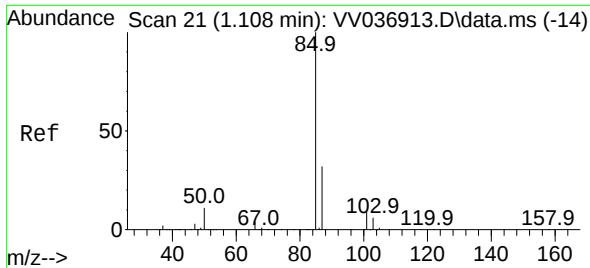
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 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 14 04:10:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 362749   | 51.025 | ug/L  | 100      |
| 29) Cyclohexane               | 4.574  | 56   | 388054   | 47.543 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 392754   | 48.663 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.728  | 117  | 321954   | 47.499 | ug/L  | 99       |
| 33) Benzene                   | 5.005  | 78   | 981214   | 51.209 | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 265812   | 47.867 | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.043  | 83   | 395024   | 46.358 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.091  | 63   | 262515   | 51.718 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.429  | 83   | 346801   | 49.615 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 420294   | 48.348 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 593861   | 94.447 | ug/L  | 98       |
| 42) Toluene                   | 7.310  | 91   | 1032373  | 50.585 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 377111   | 46.554 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 249147   | 50.685 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.902  | 164  | 178654   | 49.048 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.075  | 43   | 431222   | 93.222 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.172  | 129  | 257803   | 51.036 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 258050   | 50.597 | ug/L  | 99       |
| 51) Chlorobenzene             | 8.808  | 112  | 665431   | 50.816 | ug/L  | 98       |
| 52) Ethylbenzene              | 8.943  | 91   | 1158214  | 49.702 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 426565   | 48.971 | ug/L  | 99       |
| 54) o-Xylene                  | 9.474  | 106  | 426698   | 50.085 | ug/L  | 98       |
| 55) Styrene                   | 9.490  | 104  | 729076   | 49.937 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 353571   | 53.307 | ug/L  | 100      |
| 59) Bromoform                 | 9.660  | 173  | 167249   | 46.451 | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.863  | 105  | 1151031  | 48.579 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 280531   | 47.882 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 942290   | 47.768 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 942109   | 47.709 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 508660   | 49.922 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 515398   | 49.742 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 502166   | 50.463 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 69974    | 41.330 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 343675   | 47.529 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 326185   | 47.035 | ug/L  | 98       |
| 71) Naphthalene               | 13.432 | 128  | 1050216  | 47.225 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 328840   | 48.441 | ug/L  | 100      |

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

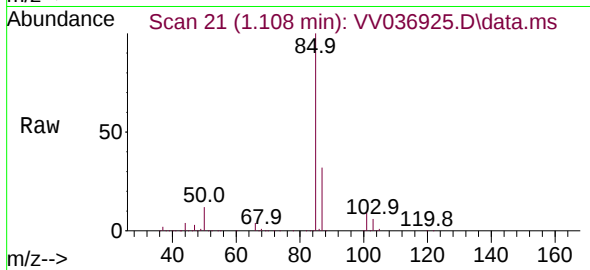
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Aug 14 04:10:20 2024  
Response via : Initial Calibration



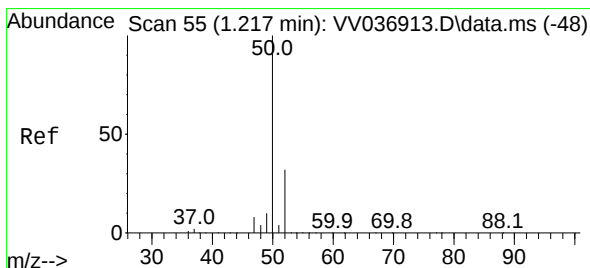
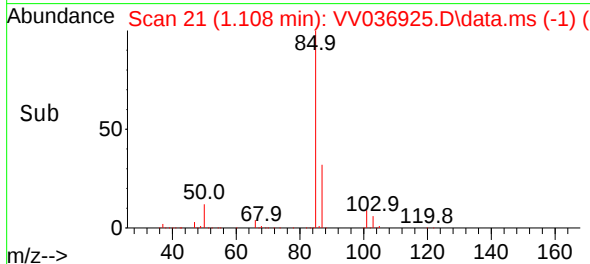
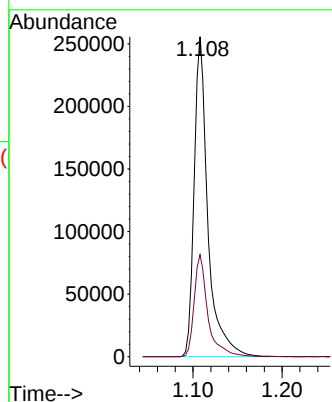


#2  
 Dichlorodifluoromethane  
 Concen: 51.722 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV036925.D  
 Acq: 13 Aug 2024 17:12

Instrument :  
 MSVOA\_V  
 ClientSampleId :

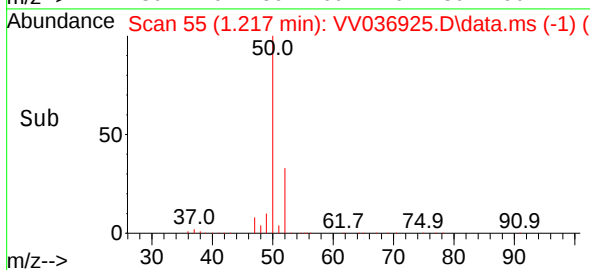
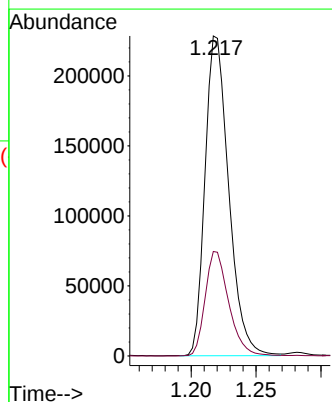
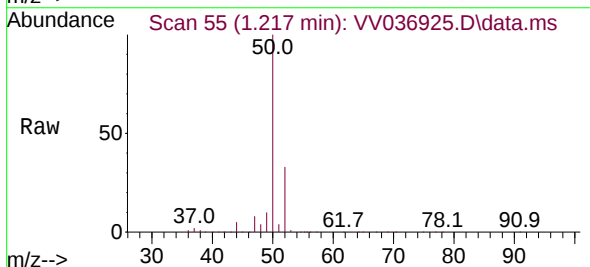


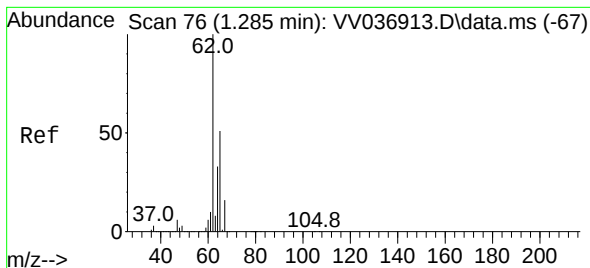
Tgt Ion: 85 Resp: 273750  
 Ion Ratio Lower Upper  
 85 100  
 87 31.9 25.9 38.9



#3  
 Chloromethane  
 Concen: 52.369 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VV036925.D  
 Acq: 13 Aug 2024 17:12

Tgt Ion: 50 Resp: 290069  
 Ion Ratio Lower Upper  
 50 100  
 52 32.6 23.0 42.8





#5

Vinyl chloride

Concen: 51.421 ug/L

RT: 1.281 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

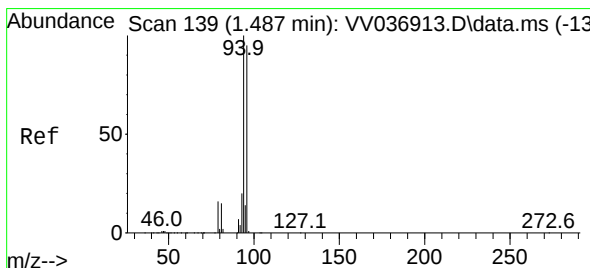
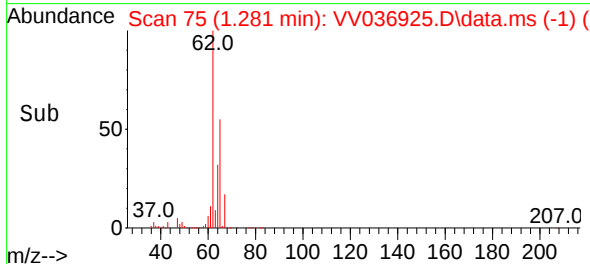
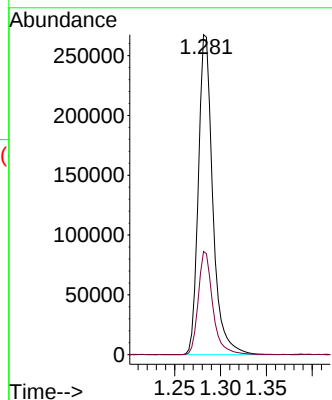
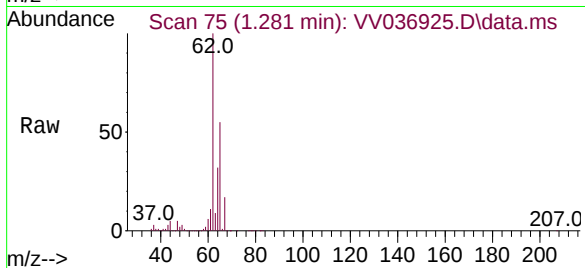
ClientSampleId :

Tgt Ion: 62 Resp: 292489

Ion Ratio Lower Upper

62 100

64 32.3 23.6 43.8



#6

Bromomethane

Concen: 49.421 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV036925.D

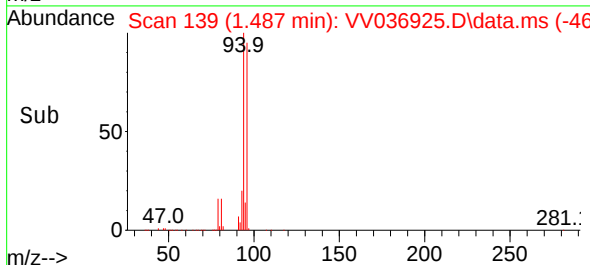
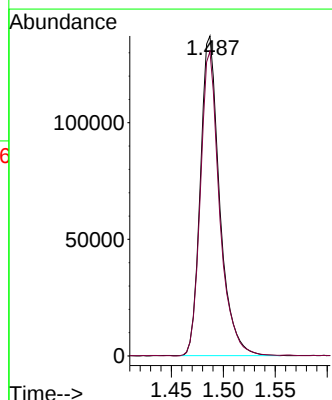
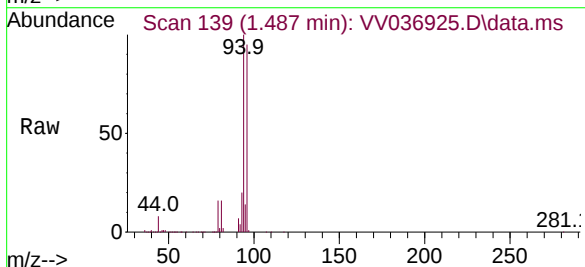
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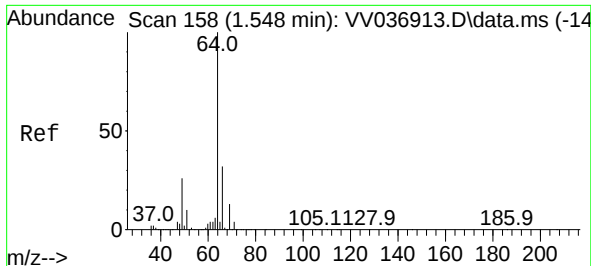
Tgt Ion: 94 Resp: 176990

Ion Ratio Lower Upper

94 100

96 95.2 65.5 121.7

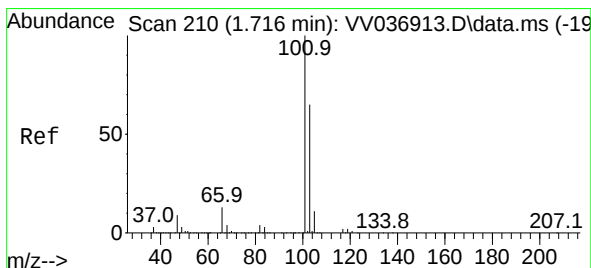
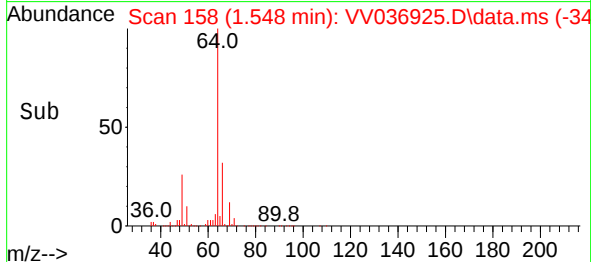
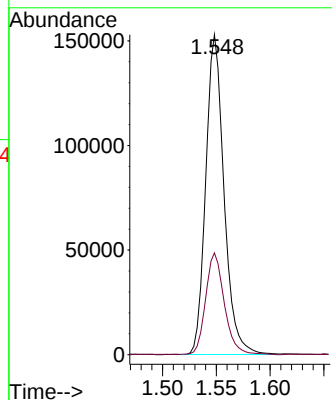
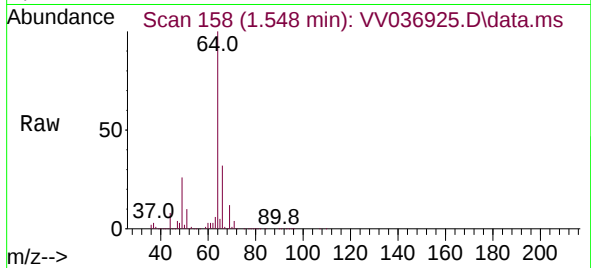




#8  
Chloroethane  
Concen: 51.160 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

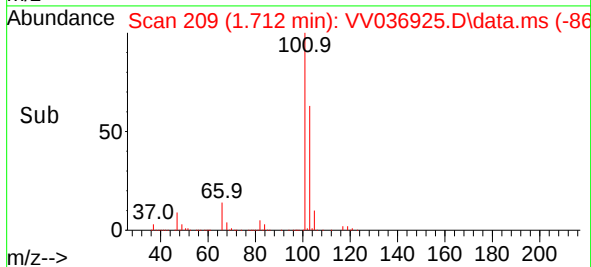
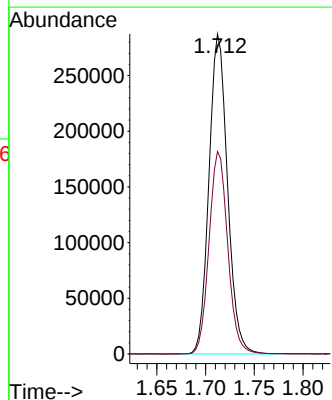
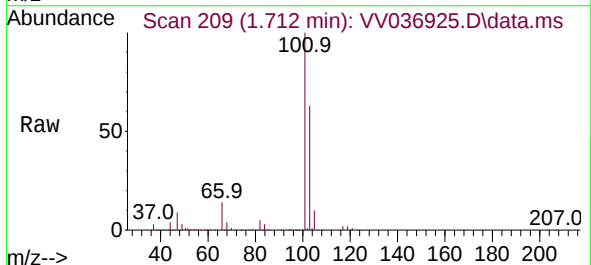
Instrument :  
MSVOA\_V  
ClientSampleId :

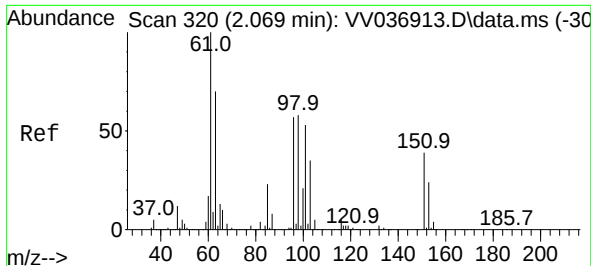
Tgt Ion: 64 Resp: 180258  
Ion Ratio Lower Upper  
64 100  
66 31.8 23.2 43.0



#9  
Trichlorofluoromethane  
Concen: 51.024 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. -0.003 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Tgt Ion:101 Resp: 380164  
Ion Ratio Lower Upper  
101 100  
103 63.8 51.4 77.0





#10

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

Concen: 50.817 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

ClientSampleId :

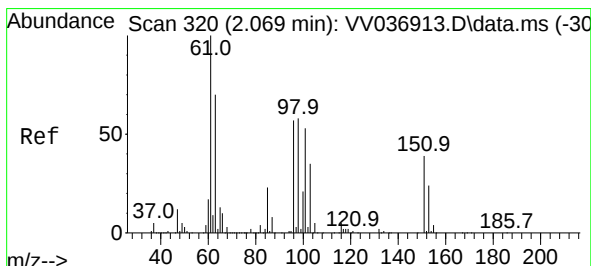
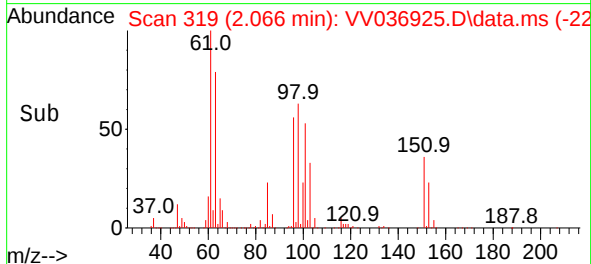
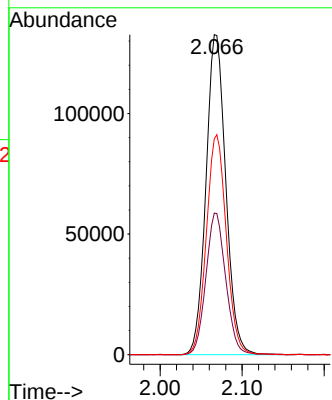
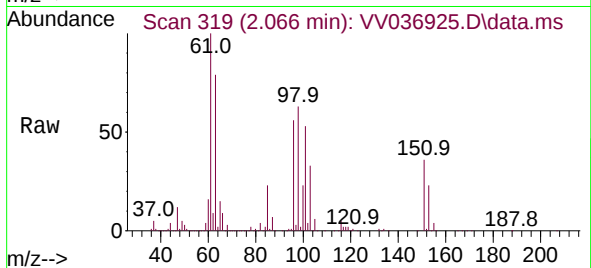
Tgt Ion:101 Resp: 223100

Ion Ratio Lower Upper

101 100

85 44.2 34.6 51.8

151 69.0 55.9 83.9



#12

1,1-Dichloroethene

Concen: 50.499 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

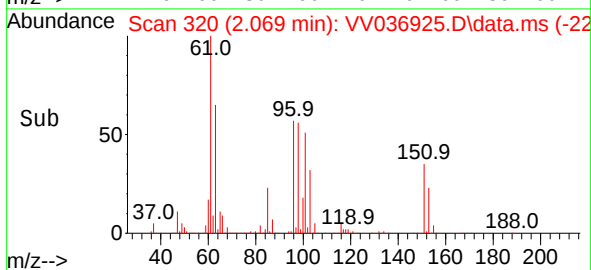
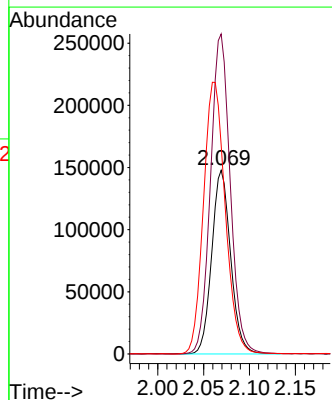
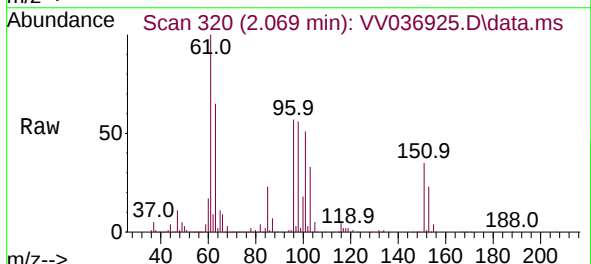
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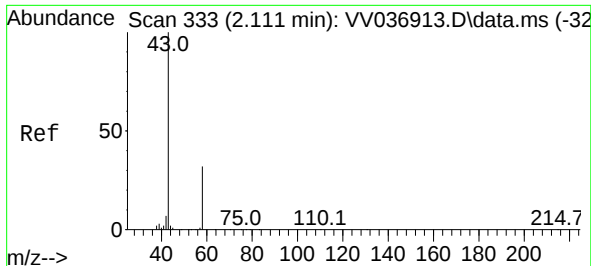
Ion Ratio Lower Upper

96 100

61 174.3 125.6 233.2

63 113.9 95.1 176.7

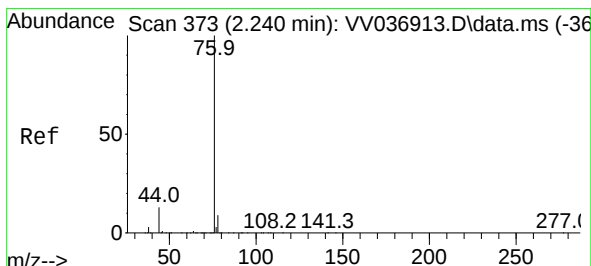
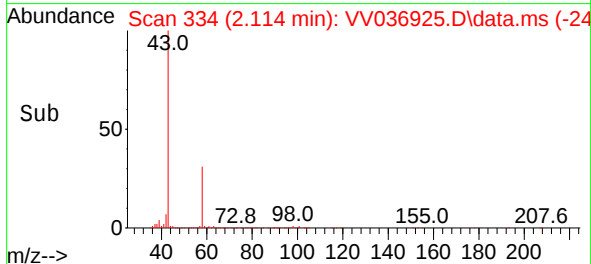
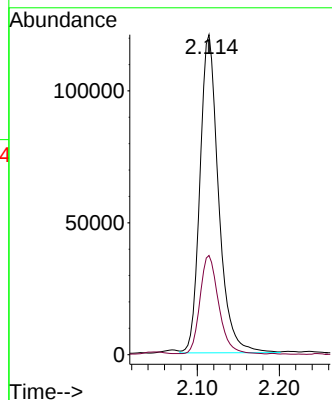
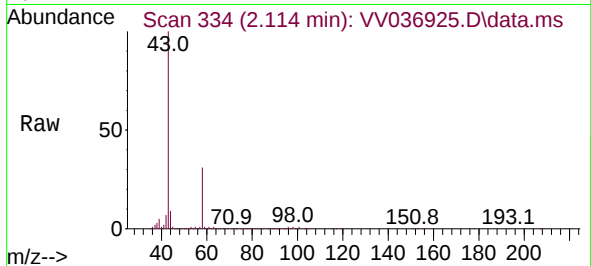




#13  
Acetone  
Concen: 81.004 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. 0.003 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

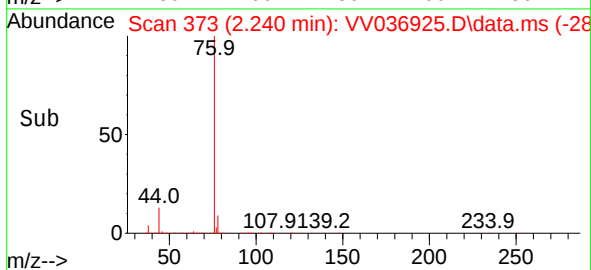
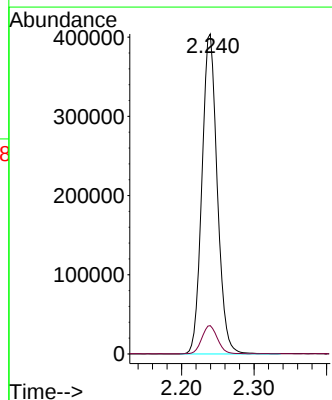
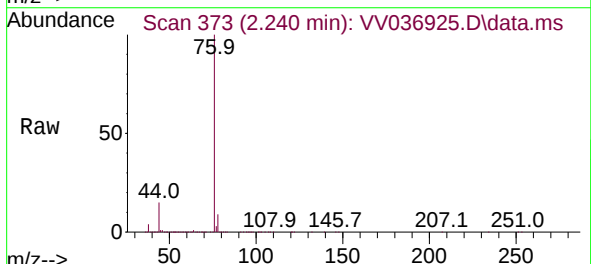
Instrument :  
MSVOA\_V  
ClientSampleId :

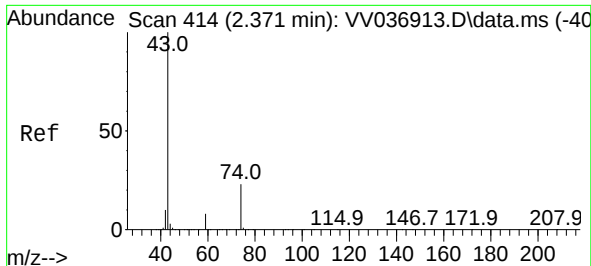
Tgt Ion: 43 Resp: 190378  
Ion Ratio Lower Upper  
43 100  
58 31.4 0.0 63.4



#14  
Carbon disulfide  
Concen: 44.984 ug/L  
RT: 2.240 min Scan# 373  
Delta R.T. -0.000 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Tgt Ion: 76 Resp: 592500  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.1 10.7





#15

Methyl Acetate

Concen: 45.273 ug/L

RT: 2.371 min Scan# 414

Delta R.T. -0.000 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

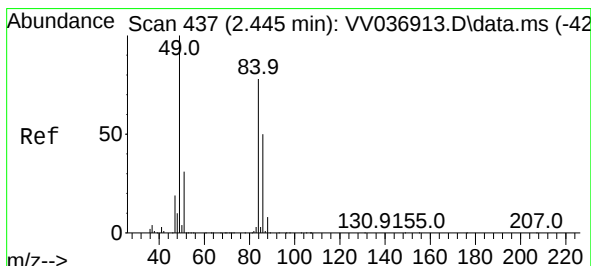
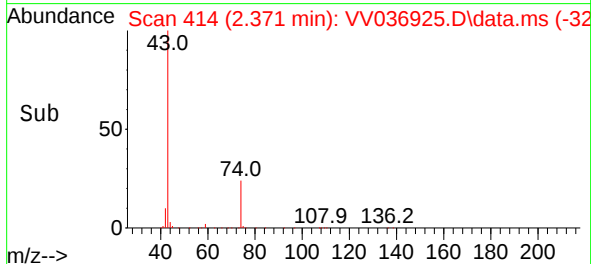
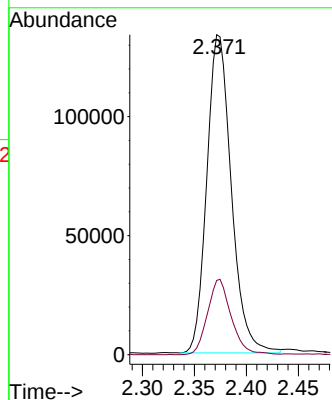
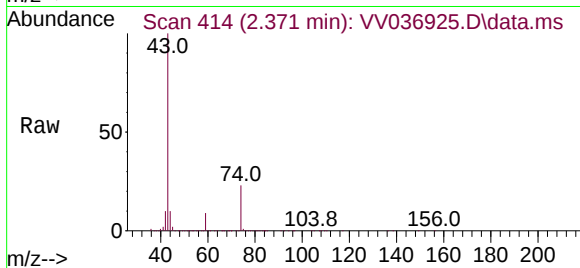
ClientSampleId :

Tgt Ion: 43 Resp: 219194

Ion Ratio Lower Upper

43 100

74 22.9 19.0 28.4



#16

Methylene chloride

Concen: 51.623 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.000 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

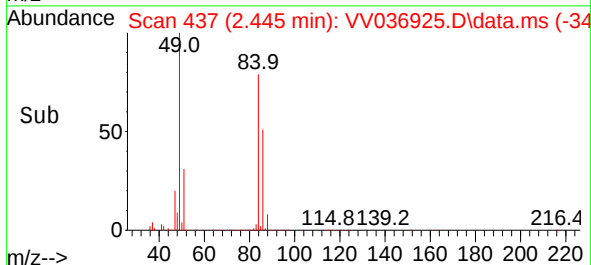
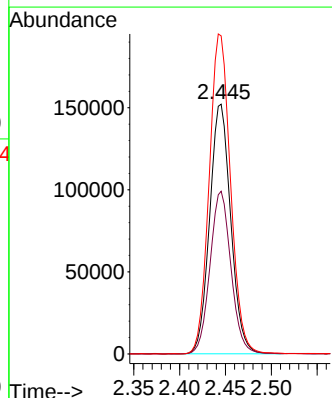
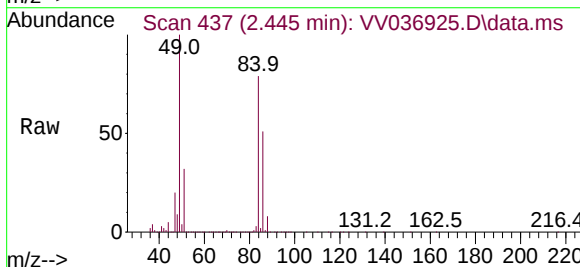
Tgt Ion: 84 Resp: 243344

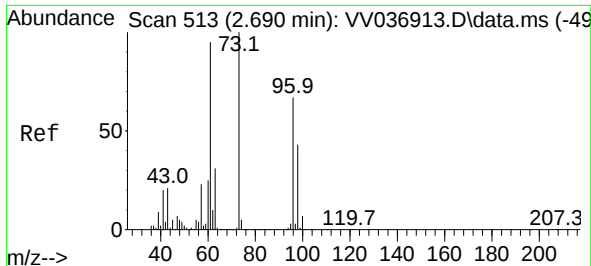
Ion Ratio Lower Upper

84 100

86 65.1 44.3 82.3

49 127.3 91.1 169.1





#17

trans-1,2-Dichloroethene

Concen: 51.430 ug/L

RT: 2.690 min Scan# 513

Delta R.T. -0.000 min

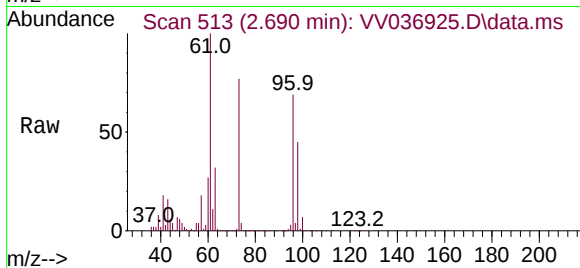
Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

ClientSampleId :



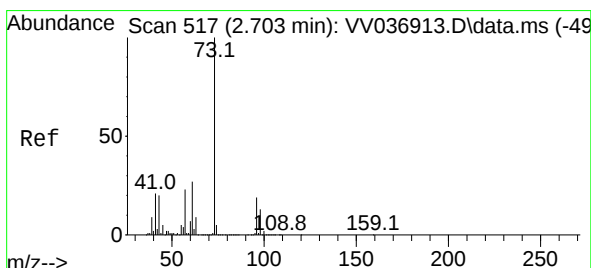
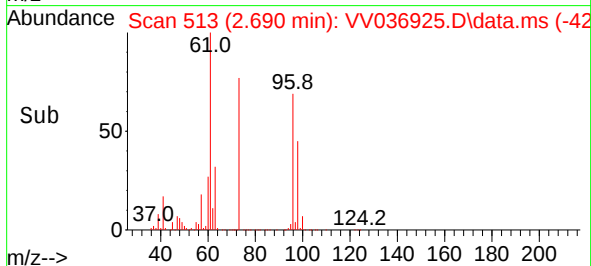
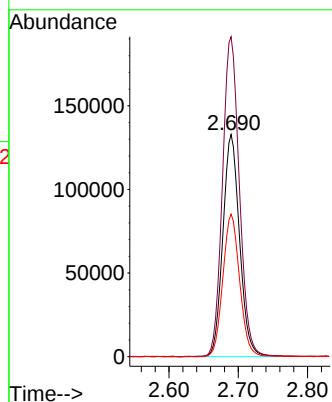
Tgt Ion: 96 Resp: 223376

Ion Ratio Lower Upper

96 100

61 144.0 100.0 185.8

98 64.2 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 50.225 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.006 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

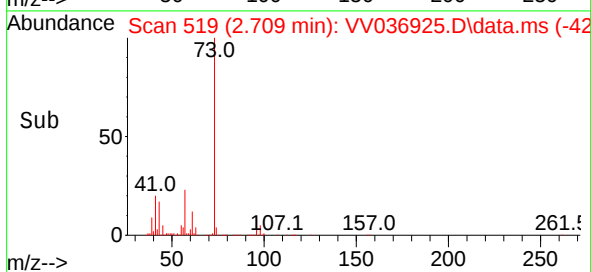
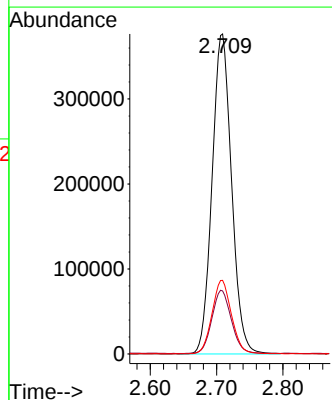
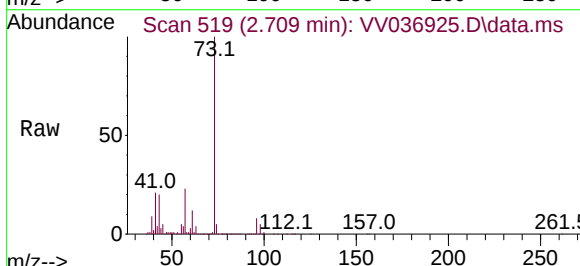
Tgt Ion: 73 Resp: 768287

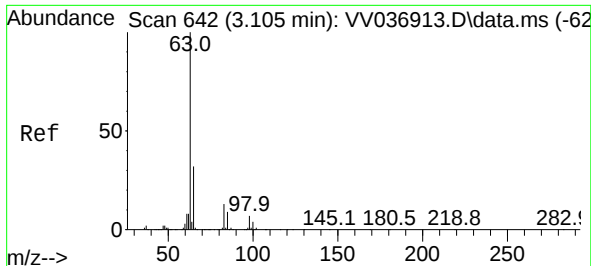
Ion Ratio Lower Upper

73 100

43 19.7 16.1 24.1

57 22.9 17.9 26.9





#19

1,1-Dichloroethane

Concen: 52.466 ug/L

RT: 3.104 min Scan# 64

Delta R.T. -0.000 min

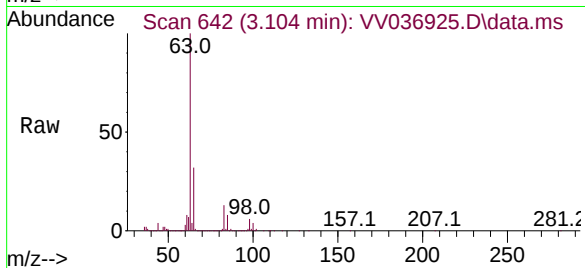
Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

ClientSampleId :



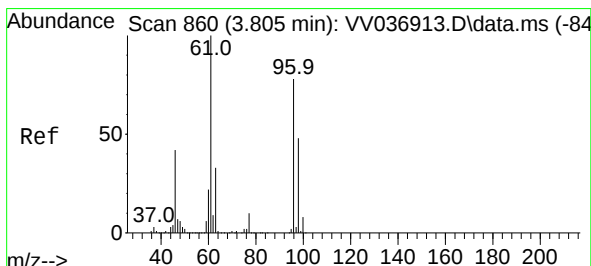
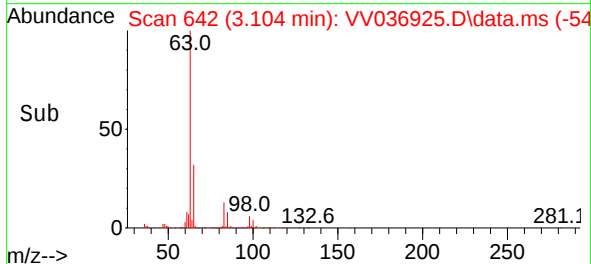
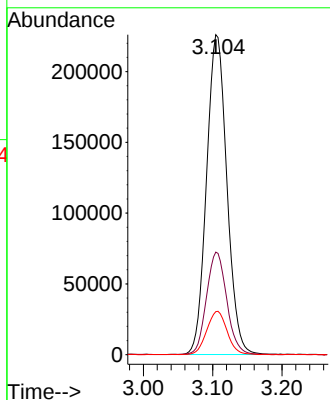
Tgt Ion: 63 Resp: 460390

Ion Ratio Lower Upper

63 100

65 32.0 23.2 43.0

83 13.4 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 52.303 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

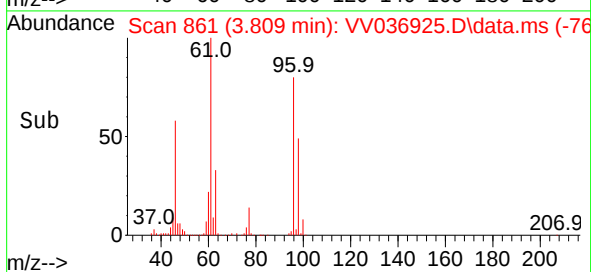
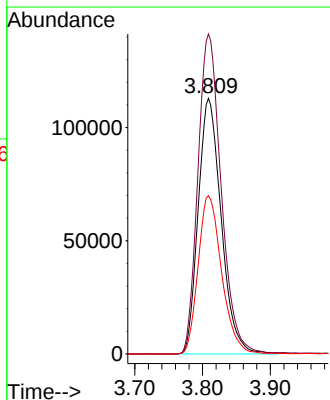
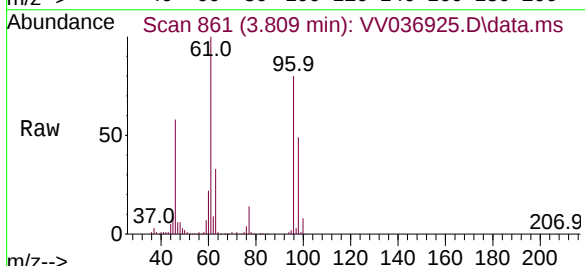
Tgt Ion: 96 Resp: 266629

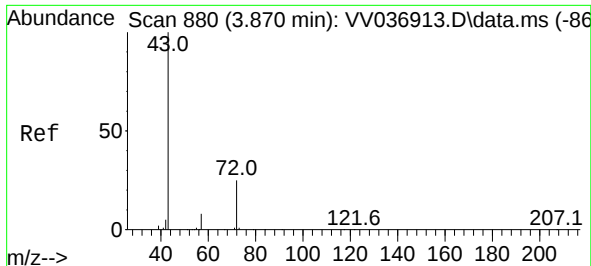
Ion Ratio Lower Upper

96 100

61 125.1 93.9 174.5

98 61.9 46.0 85.4

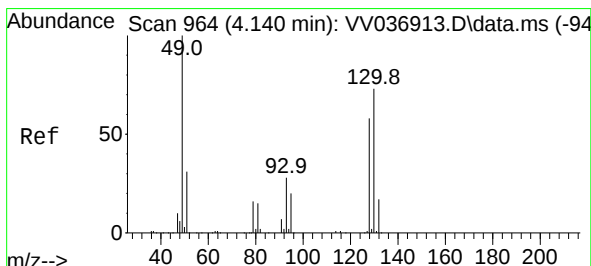
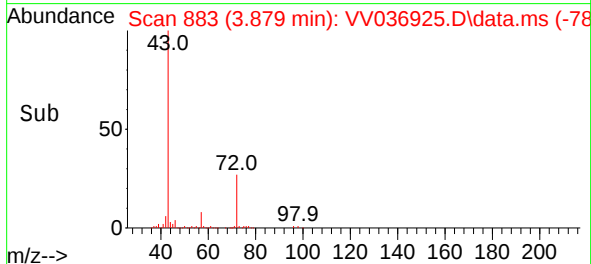
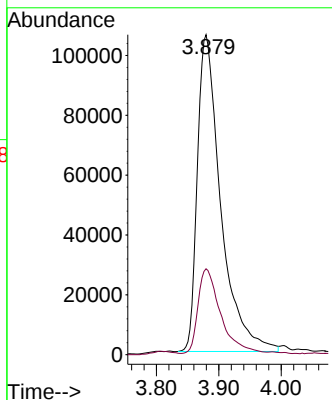
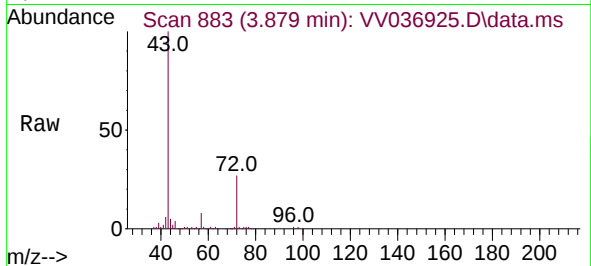




#22  
2-Butanone  
Concen: 87.710 ug/L  
RT: 3.879 min Scan# 880  
Delta R.T. 0.010 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

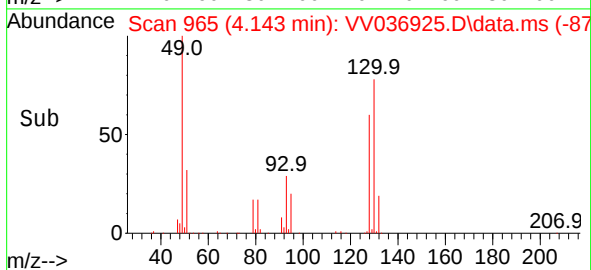
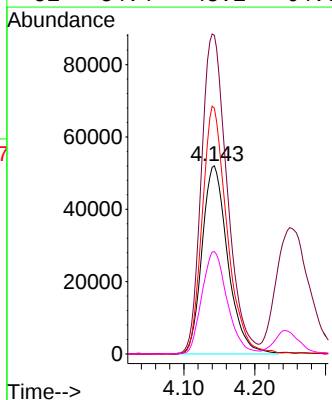
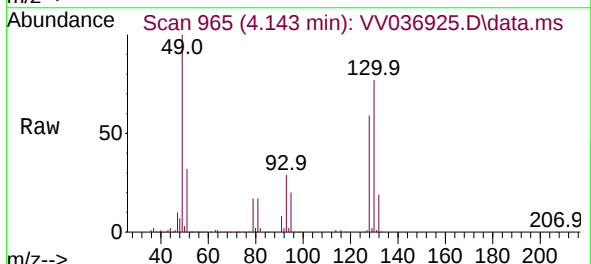
Instrument :  
MSVOA\_V  
ClientSampleId :

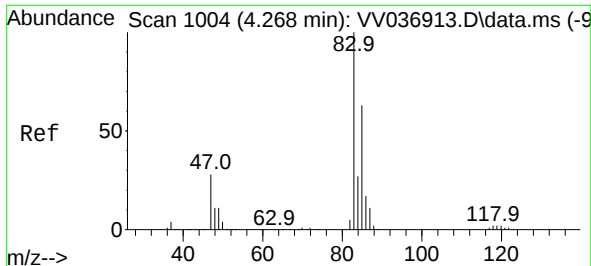
Tgt Ion: 43 Resp: 276153  
Ion Ratio Lower Upper  
43 100  
72 26.0 12.5 37.5



#23  
Bromochloromethane  
Concen: 52.799 ug/L  
RT: 4.143 min Scan# 965  
Delta R.T. 0.003 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Tgt Ion:128 Resp: 130746  
Ion Ratio Lower Upper  
128 100  
49 169.4 120.0 223.0  
130 130.6 87.0 161.6  
51 54.4 43.1 64.7





#25

Chloroform

Concen: 51.602 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

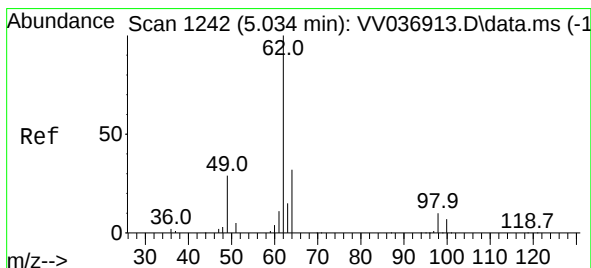
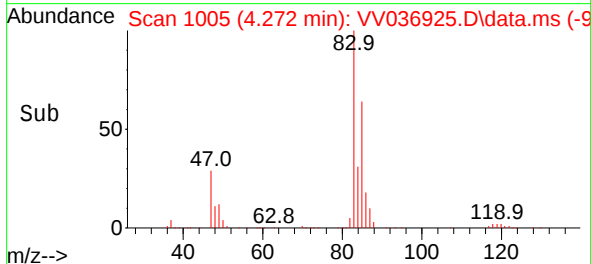
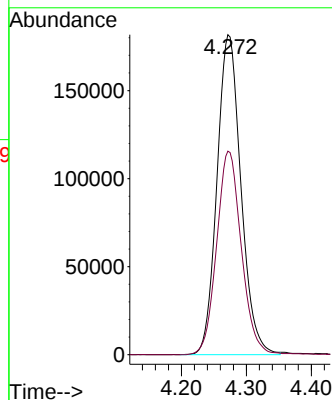
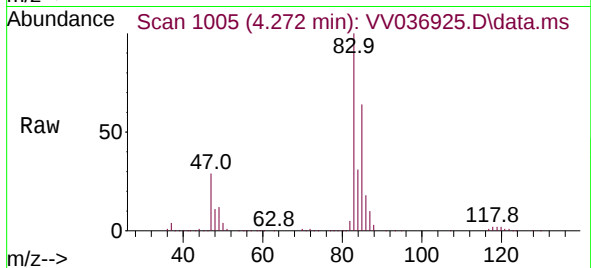
ClientSampleId :

Tgt Ion: 83 Resp: 465071

Ion Ratio Lower Upper

83 100

85 63.6 46.0 85.4



#27

1,2-Dichloroethane

Concen: 51.025 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV036925.D

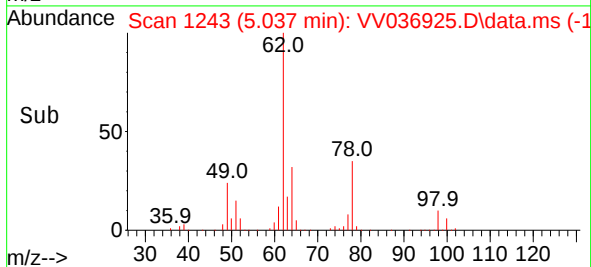
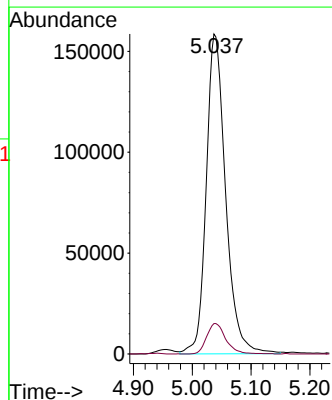
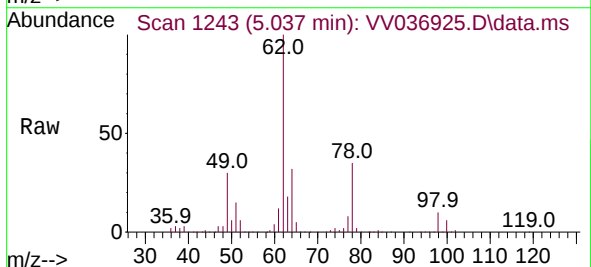
Acq: 13 Aug 2024 17:12

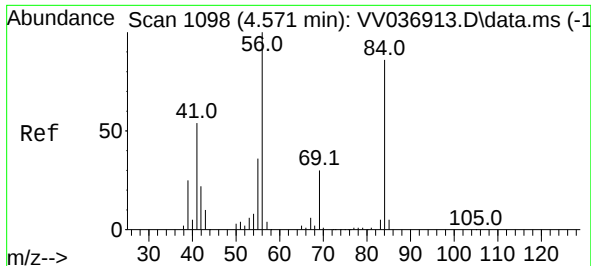
Tgt Ion: 62 Resp: 362749

Ion Ratio Lower Upper

62 100

98 9.5 7.5 11.3





#29

Cyclohexane

Concen: 47.543 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

ClientSampleId :

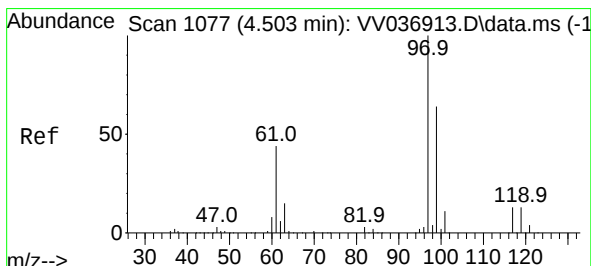
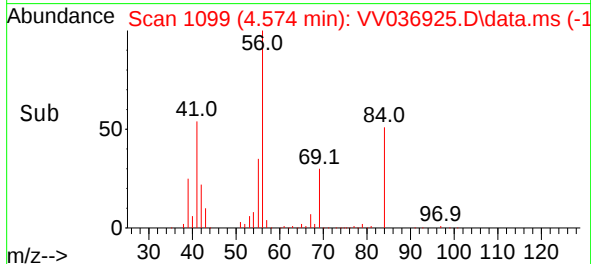
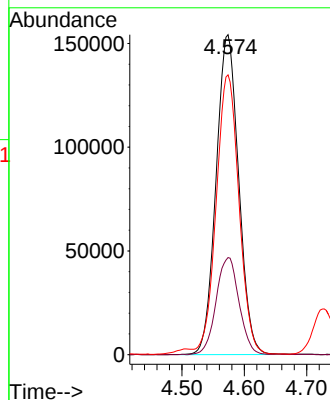
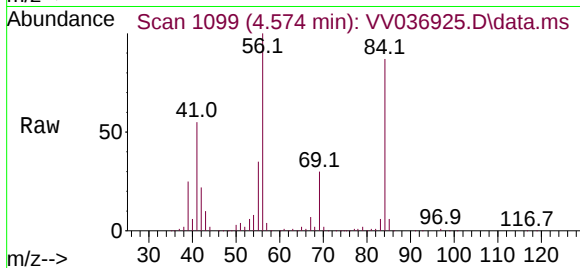
Tgt Ion: 56 Resp: 388054

Ion Ratio Lower Upper

56 100

69 30.8 24.7 37.1

84 87.7 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 48.663 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

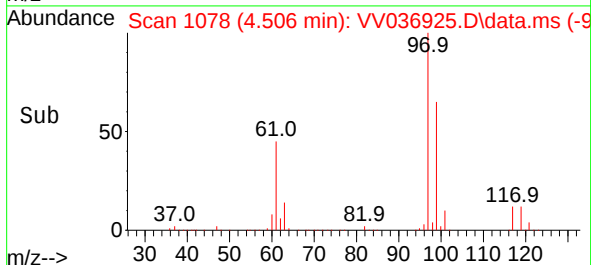
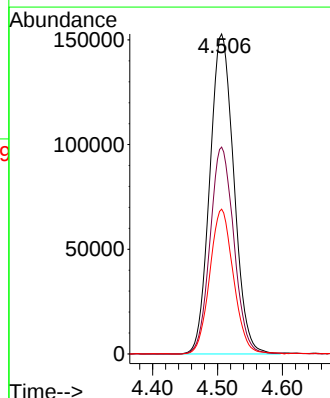
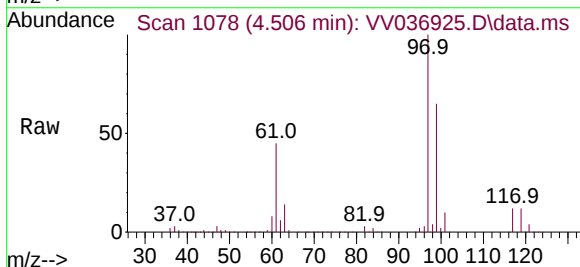
Tgt Ion: 97 Resp: 392754

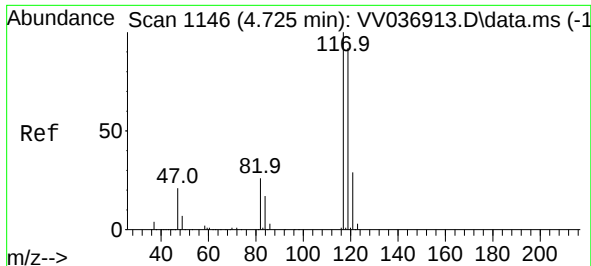
Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

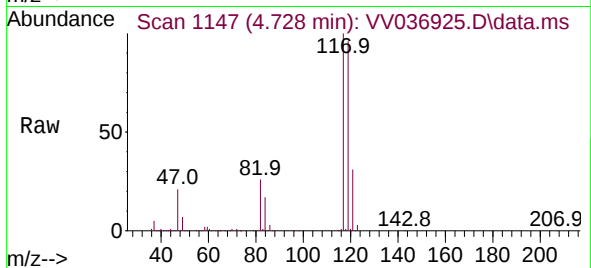
61 44.7 36.0 54.0



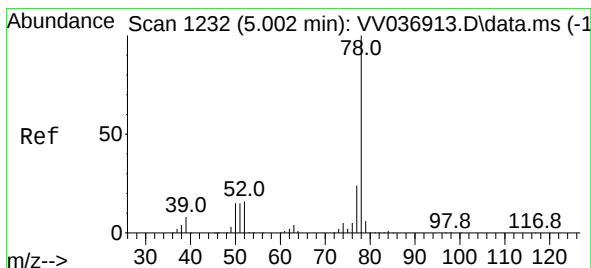
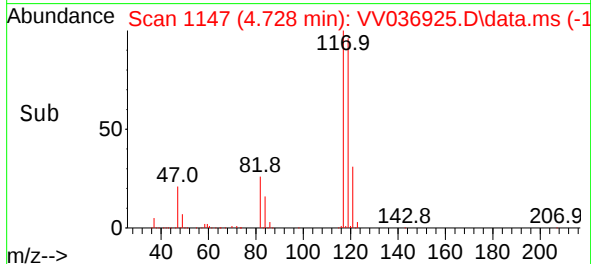
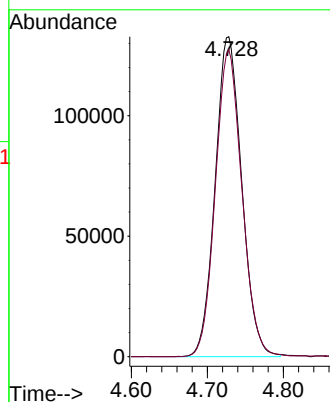


#31  
Carbon tetrachloride  
Concen: 47.499 ug/L  
RT: 4.728 min Scan# 1146  
Delta R.T. 0.003 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Instrument :  
MSVOA\_V  
ClientSampleId :

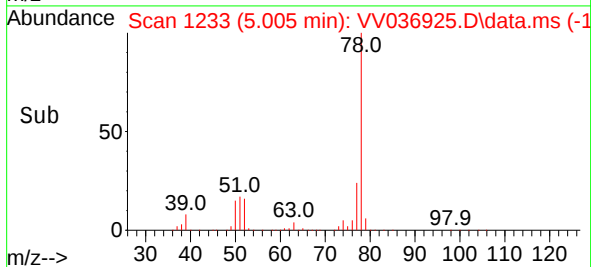
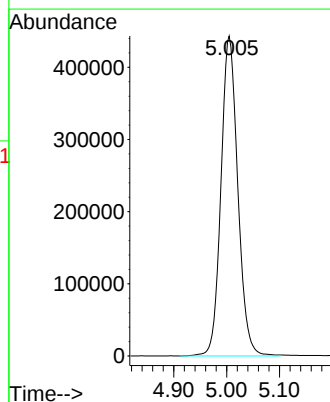
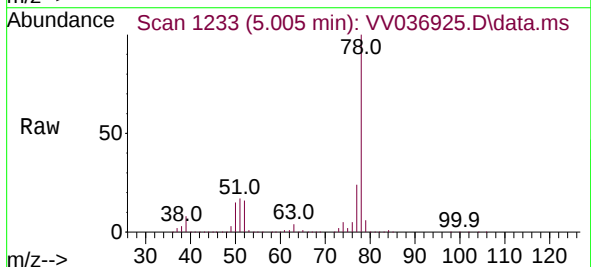


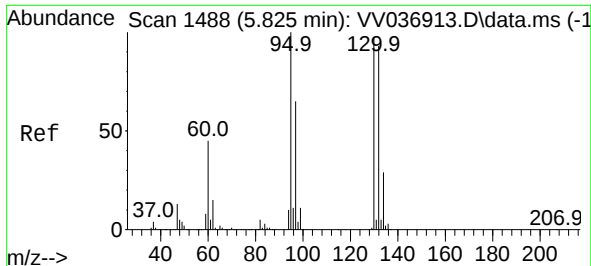
Tgt Ion:117 Resp: 321954  
Ion Ratio Lower Upper  
117 100  
119 96.0 76.1 114.1



#33  
Benzene  
Concen: 51.209 ug/L  
RT: 5.005 min Scan# 1233  
Delta R.T. 0.003 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Tgt Ion: 78 Resp: 981214



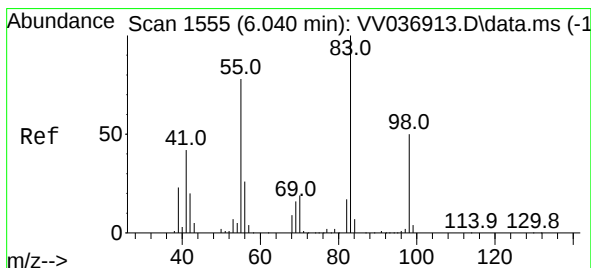
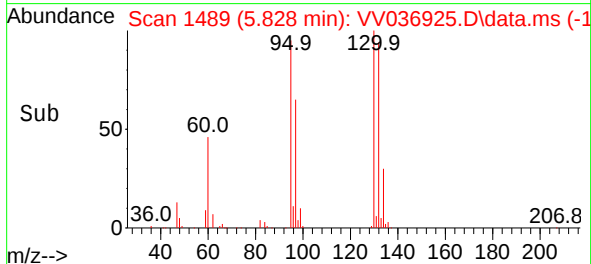
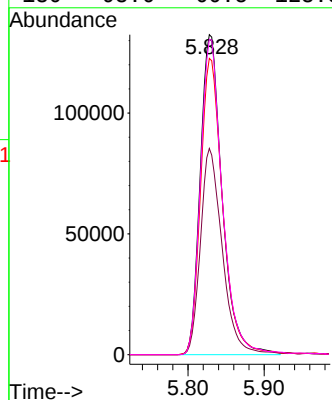
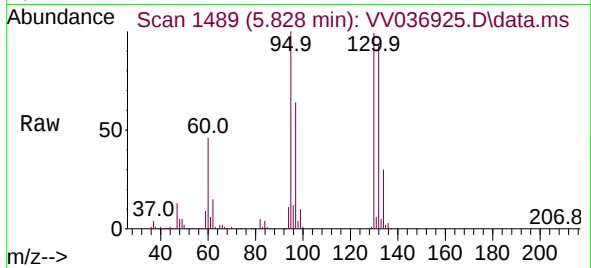


#34  
Trichloroethene  
Concen: 47.867 ug/L  
RT: 5.828 min Scan# 1489  
Delta R.T. 0.003 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 95 Resp: 265812

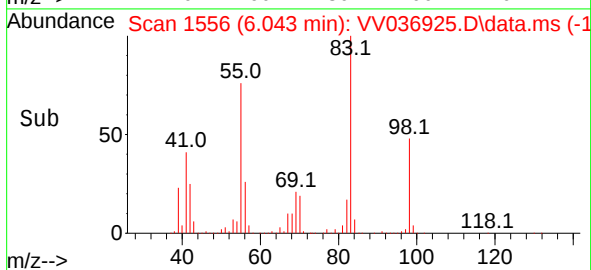
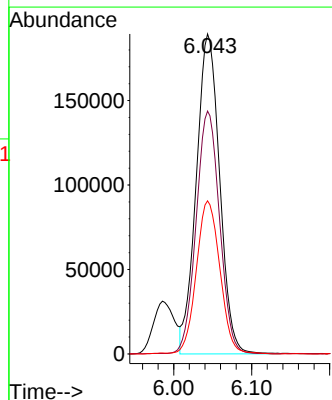
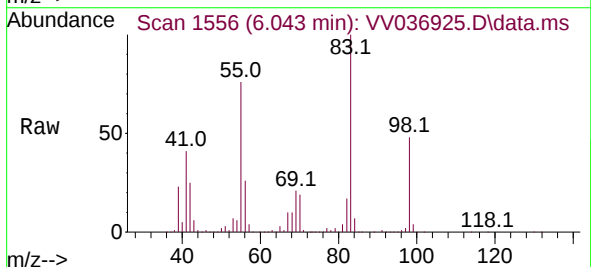
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.4  | 44.7  | 82.9  |
| 132 | 92.6  | 62.9  | 116.9 |
| 130 | 98.6  | 66.5  | 123.5 |

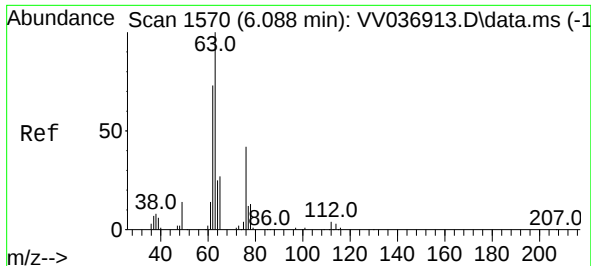


#35  
Methylcyclohexane  
Concen: 46.358 ug/L  
RT: 6.043 min Scan# 1556  
Delta R.T. 0.003 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Tgt Ion: 83 Resp: 395024

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 75.8  | 62.3  | 93.5  |
| 98  | 48.3  | 38.7  | 58.1  |

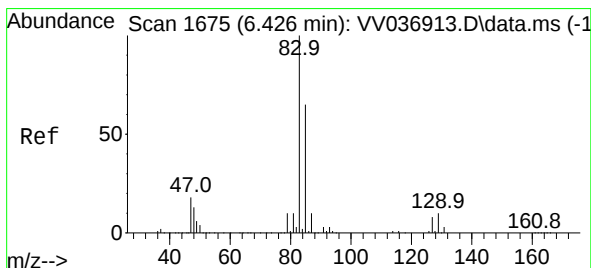
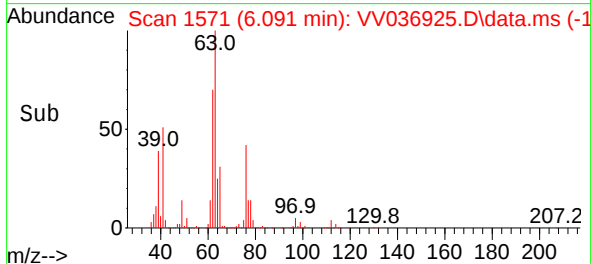
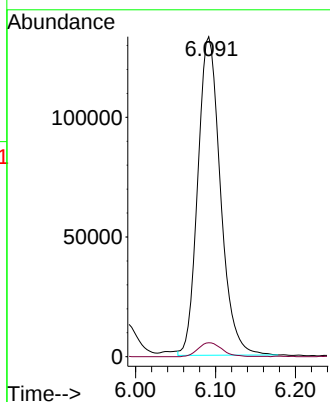
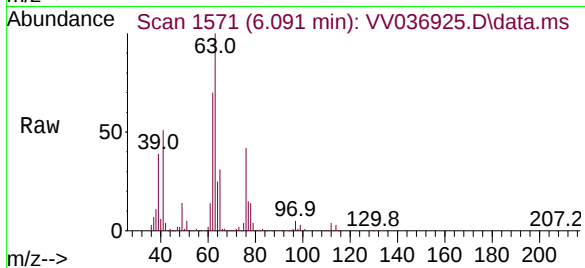




#37  
1,2-Dichloropropane  
Concen: 51.718 ug/L  
RT: 6.091 min Scan# 1570  
Delta R.T. 0.003 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

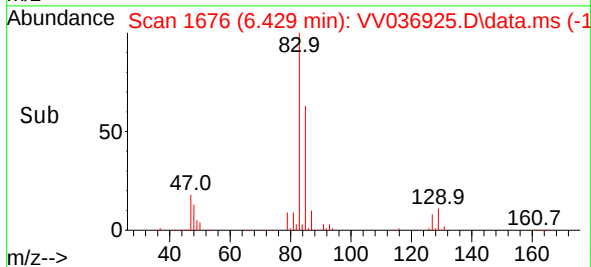
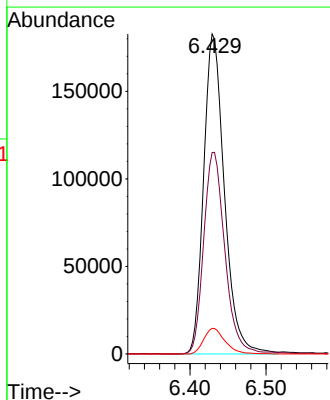
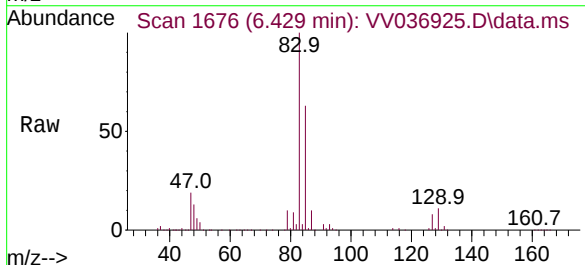
Instrument :  
MSVOA\_V  
ClientSampleId :

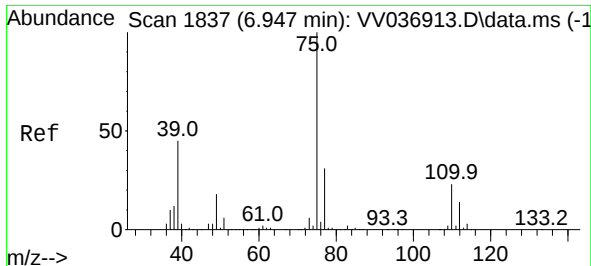
Tgt Ion: 63 Resp: 262515  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.6 5.4



#38  
Bromodichloromethane  
Concen: 49.615 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. 0.003 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Tgt Ion: 83 Resp: 346801  
Ion Ratio Lower Upper  
83 100  
85 63.0 44.7 83.1  
127 8.0 6.2 9.4

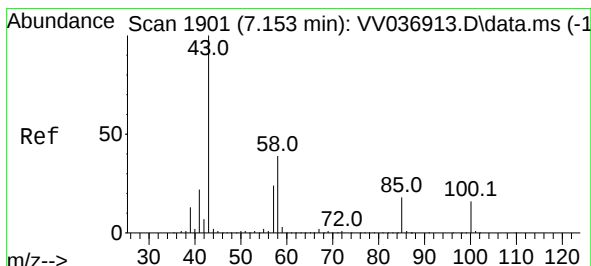
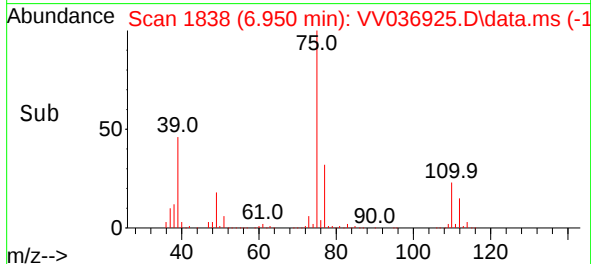
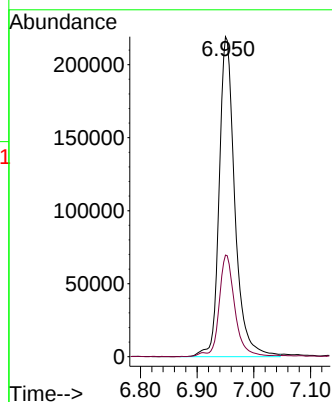
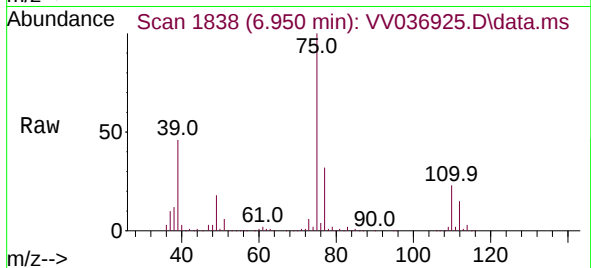




#39  
 cis-1,3-Dichloropropene  
 Concen: 48.348 ug/L  
 RT: 6.950 min Scan# 11  
 Delta R.T. 0.003 min  
 Lab File: VV036925.D  
 Acq: 13 Aug 2024 17:12

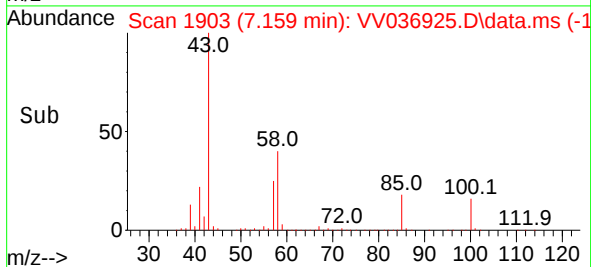
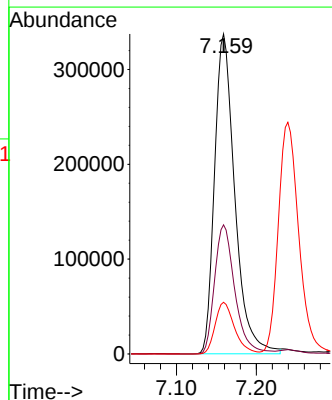
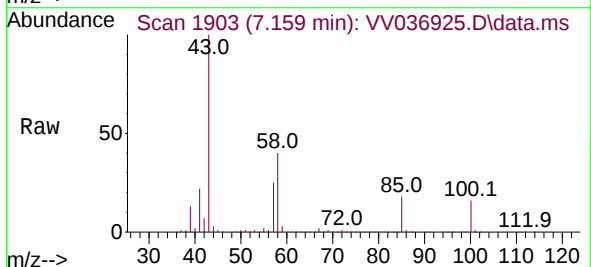
Instrument :  
 MSVOA\_V  
 ClientSampleId :

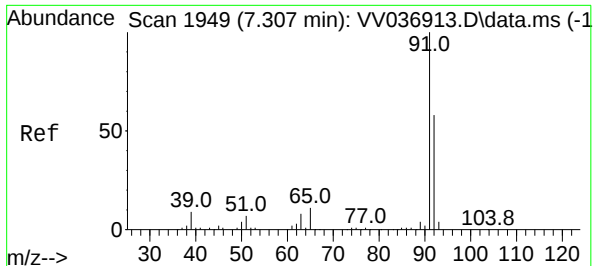
Tgt Ion: 75 Resp: 420294  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 22.2 41.2



#40  
 4-Methyl-2-pentanone  
 Concen: 94.447 ug/L  
 RT: 7.159 min Scan# 1903  
 Delta R.T. 0.006 min  
 Lab File: VV036925.D  
 Acq: 13 Aug 2024 17:12

Tgt Ion: 43 Resp: 593861  
 Ion Ratio Lower Upper  
 43 100  
 58 40.5 31.3 46.9  
 100 15.5 12.6 18.8





#42

Toluene

Concen: 50.585 ug/L

RT: 7.310 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

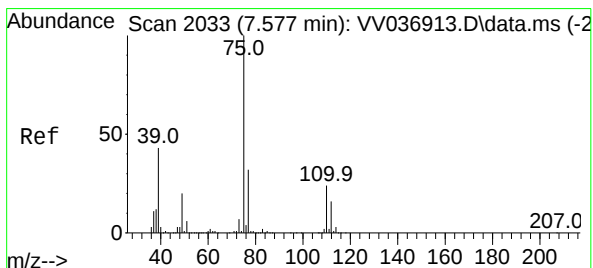
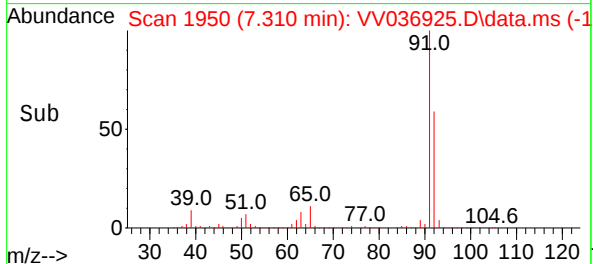
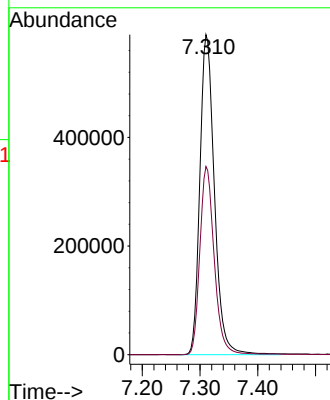
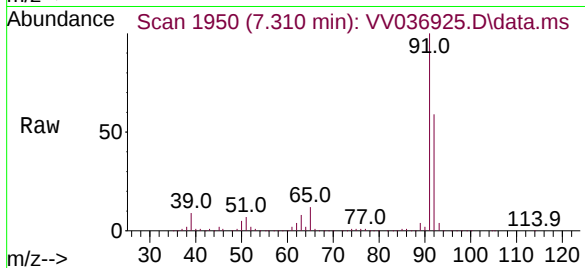
ClientSampleId :

Tgt Ion: 91 Resp: 1032373

Ion Ratio Lower Upper

91 100

92 58.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 46.554 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV036925.D

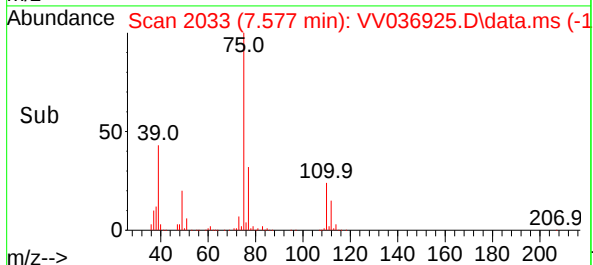
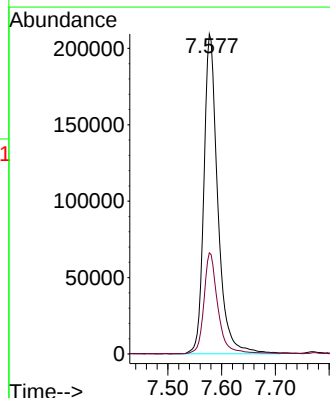
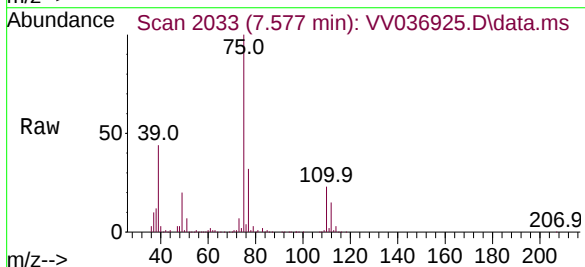
Acq: 13 Aug 2024 17:12

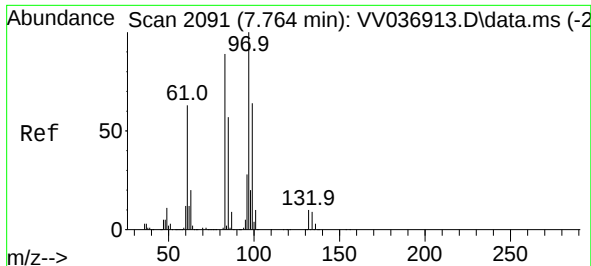
Tgt Ion: 75 Resp: 377111

Ion Ratio Lower Upper

75 100

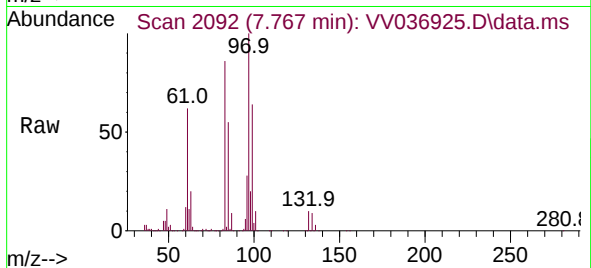
77 31.6 22.4 41.6





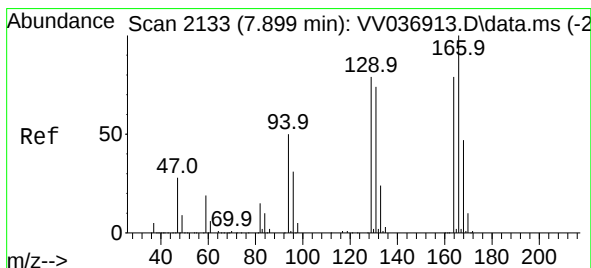
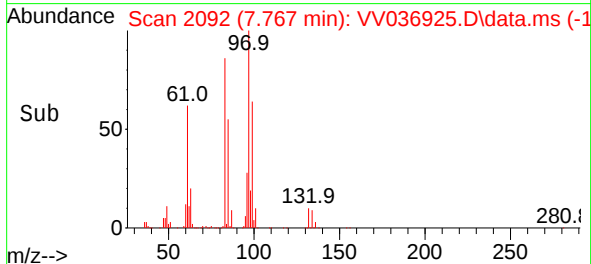
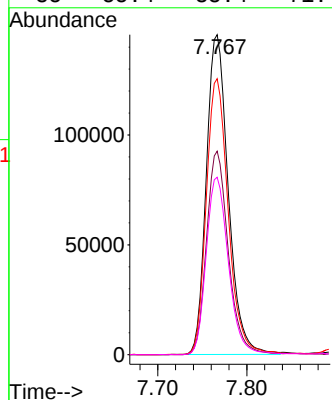
#45  
1,1,2-Trichloroethane  
Concen: 50.685 ug/L  
RT: 7.767 min Scan# 2091  
Delta R.T. 0.003 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 97 Resp: 249147

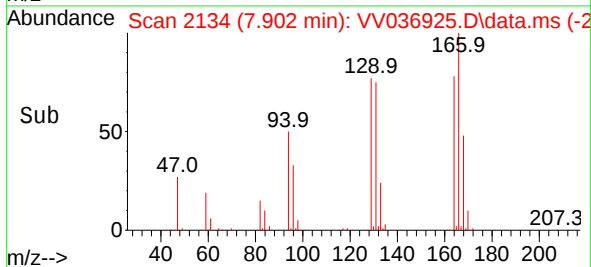
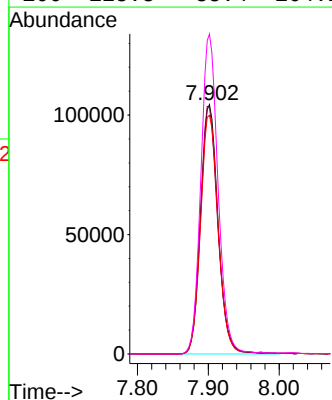
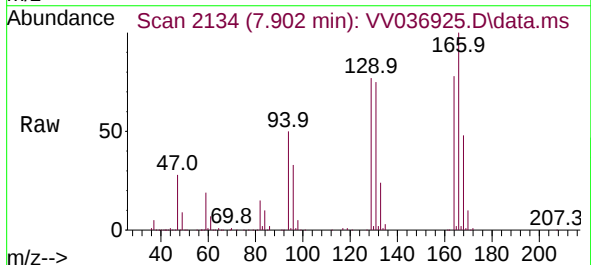
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.6  | 44.0  | 81.6  |
| 83  | 86.3  | 60.1  | 111.5 |
| 85  | 55.4  | 38.4  | 71.4  |

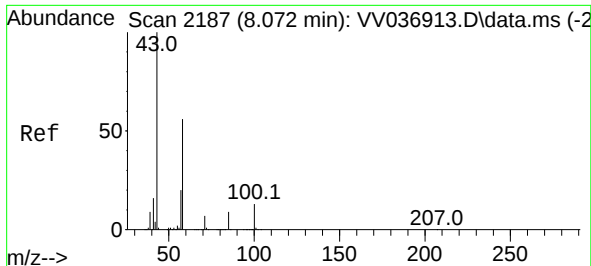


#46  
Tetrachloroethene  
Concen: 49.048 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. 0.003 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Tgt Ion: 164 Resp: 178654

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 98.9  | 70.4  | 130.8 |
| 131 | 95.7  | 67.7  | 125.7 |
| 166 | 128.3 | 88.4  | 164.2 |





#48

2-Hexanone

Concen: 93.222 ug/L

RT: 8.075 min Scan# 2187

Delta R.T. 0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 43 Resp: 431222

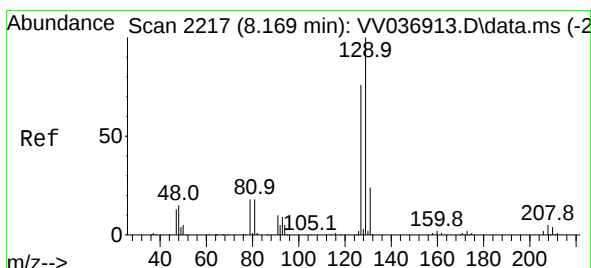
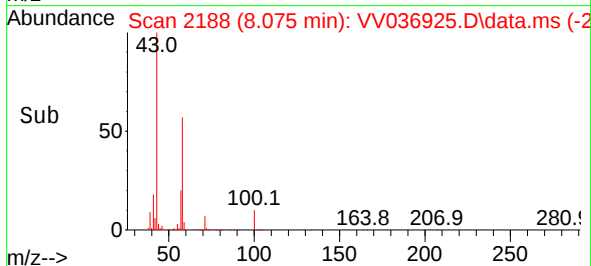
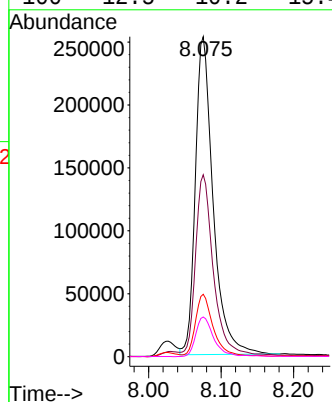
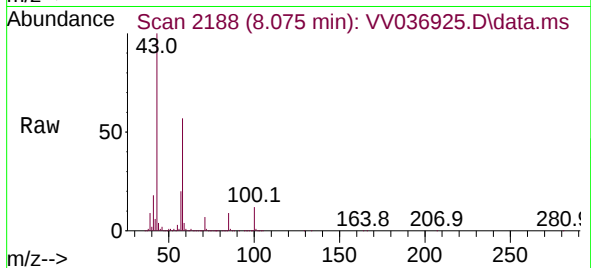
Ion Ratio Lower Upper

43 100

58 55.3 44.7 67.1

57 18.9 15.0 22.4

100 12.5 10.2 15.4



#49

Dibromochloromethane

Concen: 51.036 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.003 min

Lab File: VV036925.D

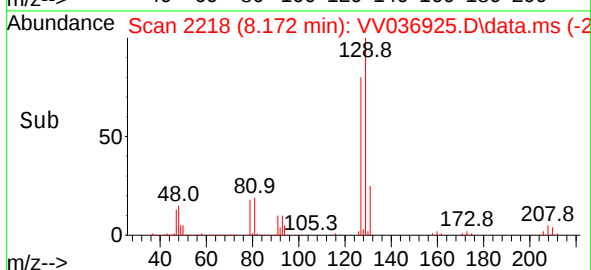
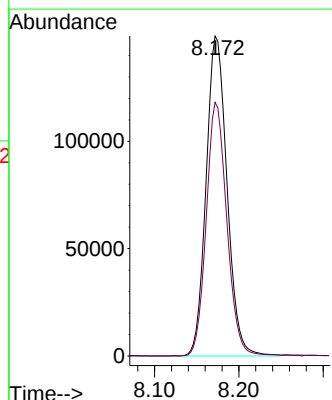
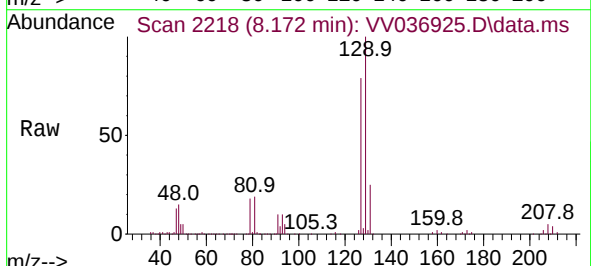
Acq: 13 Aug 2024 17:12

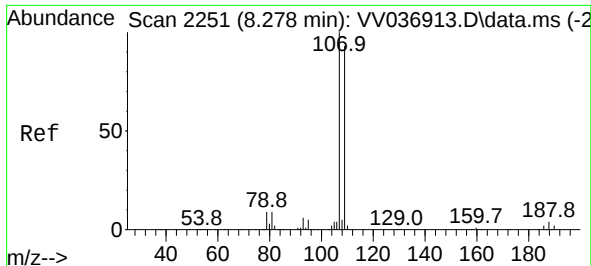
Tgt Ion: 129 Resp: 257803

Ion Ratio Lower Upper

129 100

127 79.2 55.4 102.8





#50

1,2-Dibromoethane

Concen: 50.597 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.000 min

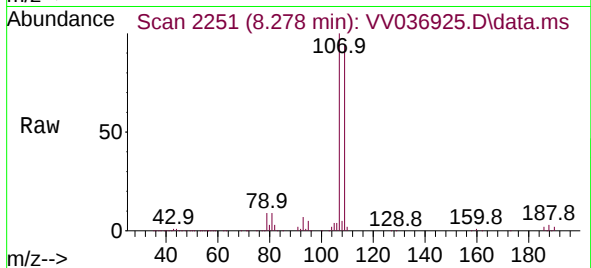
Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

ClientSampleId :



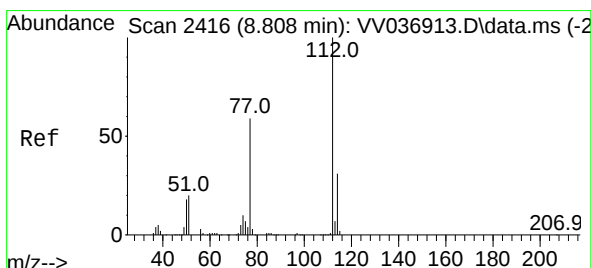
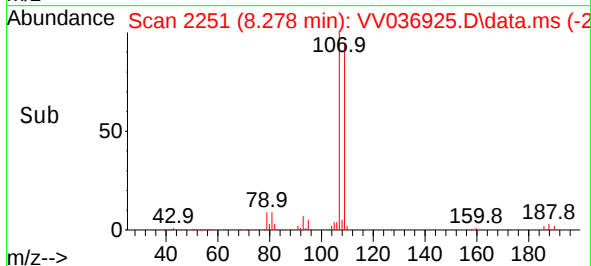
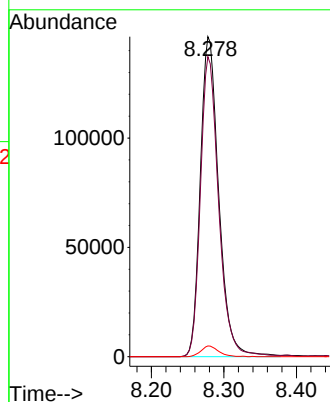
Tgt Ion:107 Resp: 258050

Ion Ratio Lower Upper

107 100

109 93.7 64.7 120.1

188 3.5 2.6 3.8



#51

Chlorobenzene

Concen: 50.816 ug/L

RT: 8.808 min Scan# 2416

Delta R.T. -0.000 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

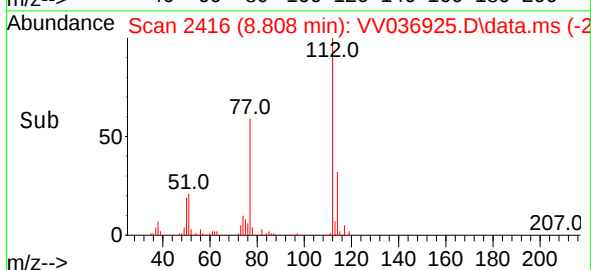
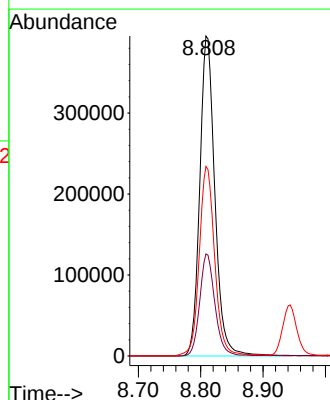
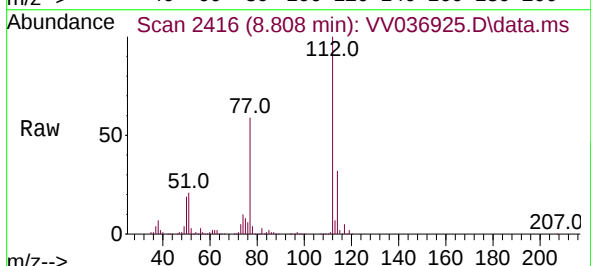
Tgt Ion:112 Resp: 665431

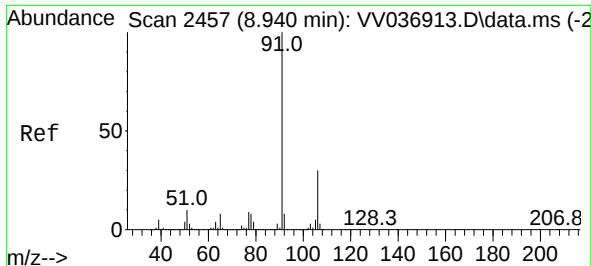
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.5

77 59.2 48.9 73.3





#52

Ethylbenzene

Concen: 49.702 ug/L

RT: 8.943 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

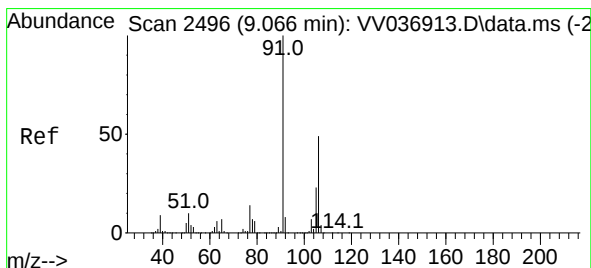
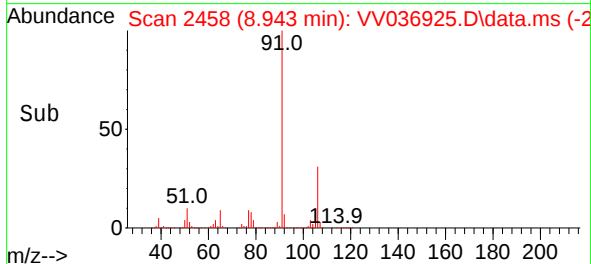
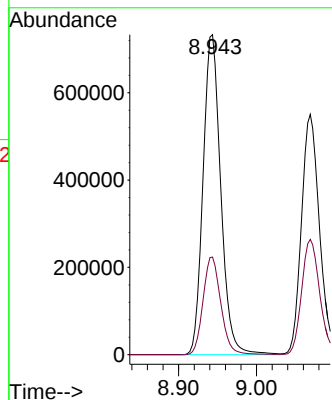
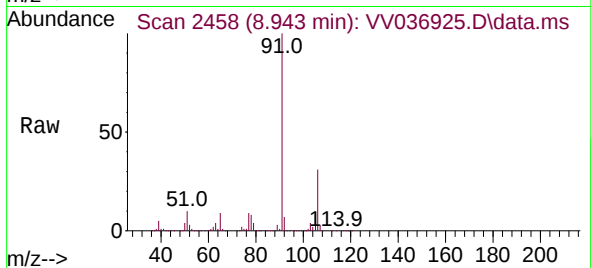
ClientSampleId :

Tgt Ion: 91 Resp: 1158214

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.1



#53

m,p-Xylene

Concen: 48.971 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.003 min

Lab File: VV036925.D

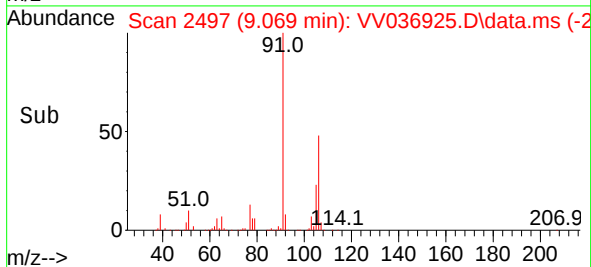
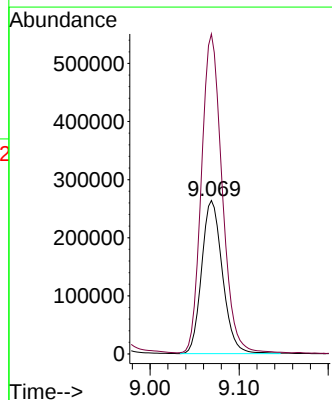
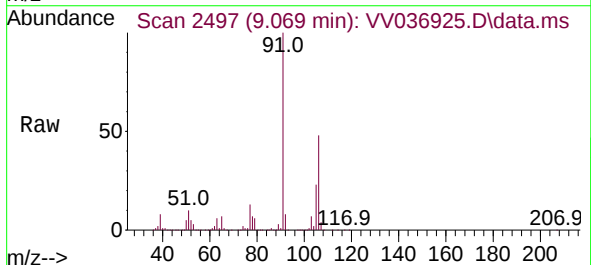
Acq: 13 Aug 2024 17:12

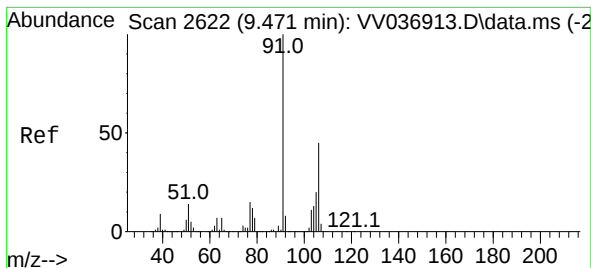
Tgt Ion:106 Resp: 426565

Ion Ratio Lower Upper

106 100

91 208.5 147.1 273.3





#54

o-Xylene

Concen: 50.085 ug/L

RT: 9.474 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

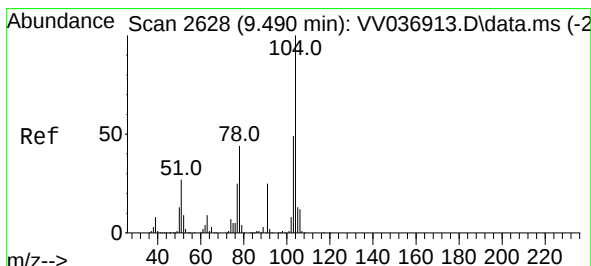
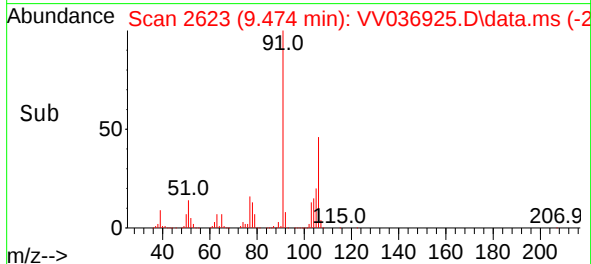
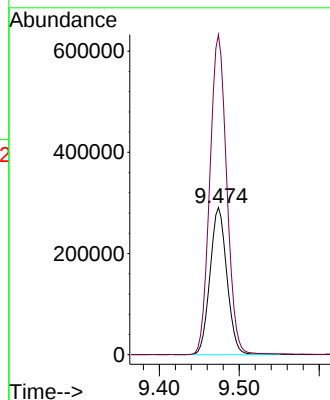
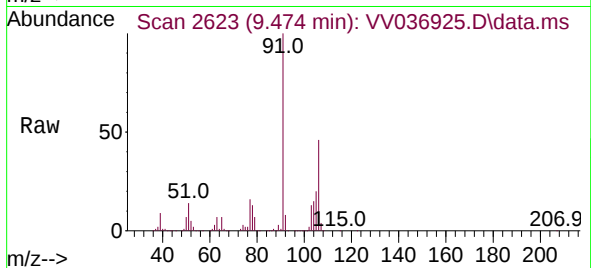
ClientSampleId :

Tgt Ion:106 Resp: 426698

Ion Ratio Lower Upper

106 100

91 217.5 154.5 286.9



#55

Styrene

Concen: 49.937 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. -0.000 min

Lab File: VV036925.D

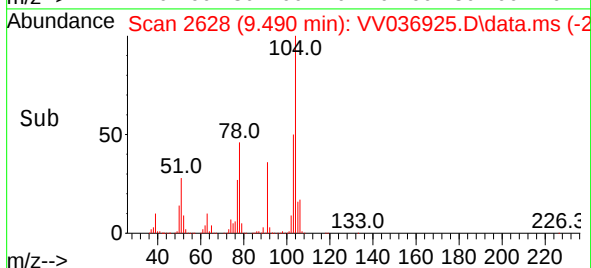
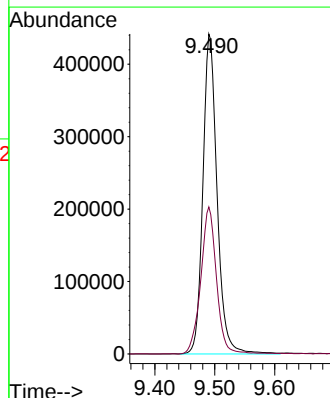
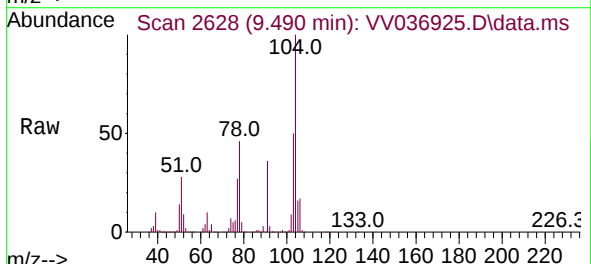
Acq: 13 Aug 2024 17:12

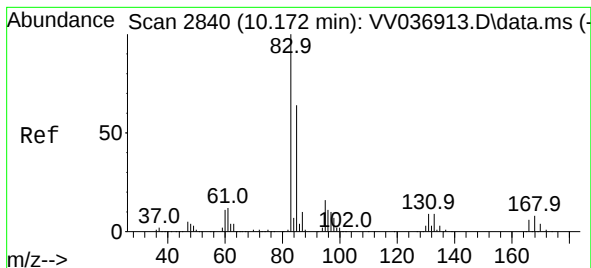
Tgt Ion:104 Resp: 729076

Ion Ratio Lower Upper

104 100

78 45.9 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 53.307 ug/L

RT: 10.175 min Scan# 2840

Delta R.T. 0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

ClientSampleId :

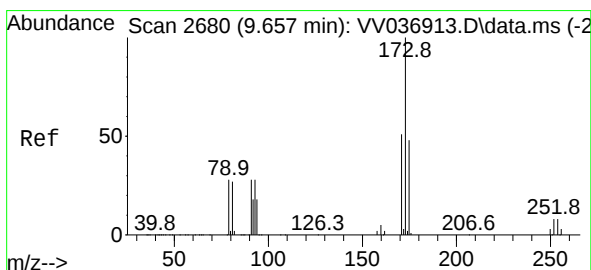
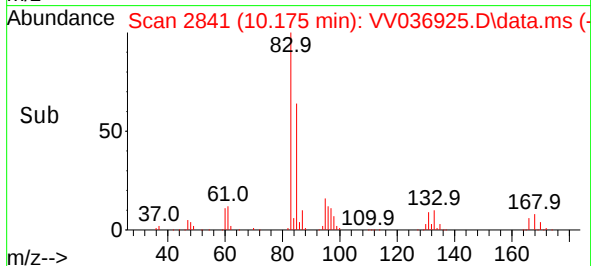
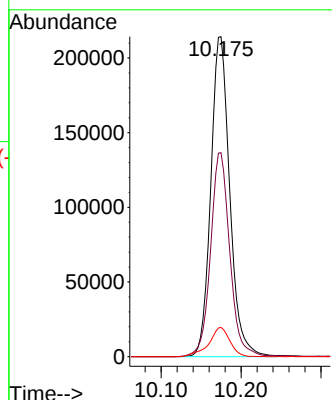
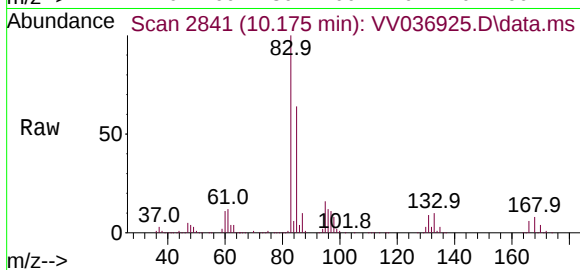
Tgt Ion: 83 Resp: 353571

Ion Ratio Lower Upper

83 100

85 63.7 44.7 83.1

131 9.1 7.2 10.8



#59

Bromoform

Concen: 46.451 ug/L

RT: 9.660 min Scan# 2681

Delta R.T. 0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

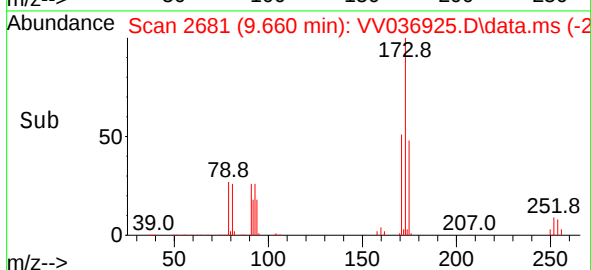
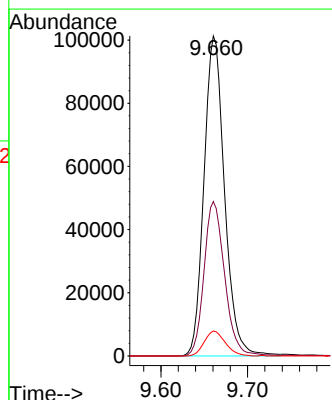
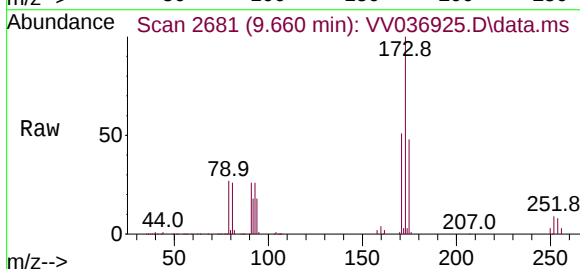
Tgt Ion:173 Resp: 167249

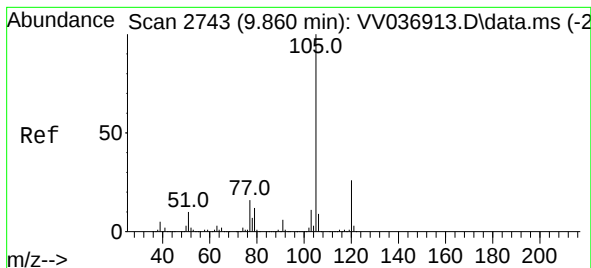
Ion Ratio Lower Upper

173 100

175 48.3 39.8 59.8

254 8.0 6.8 10.2





#60

Isopropylbenzene

Concen: 48.579 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

ClientSampleId :

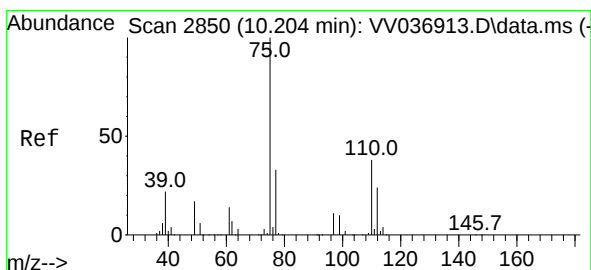
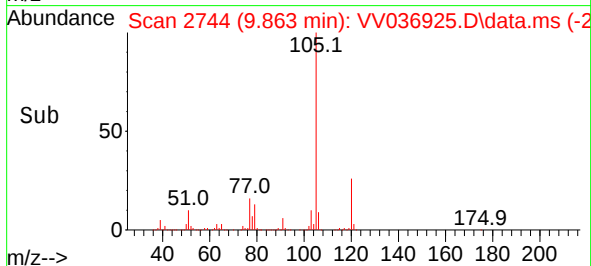
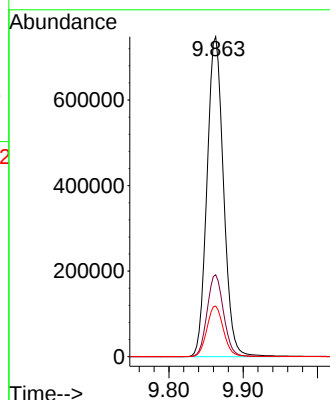
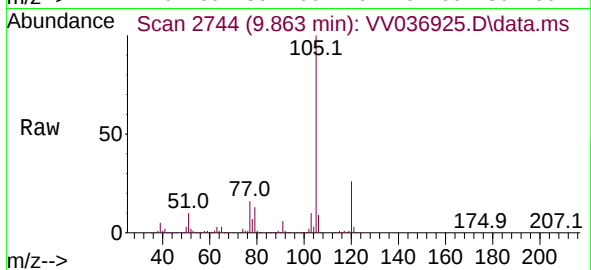
Tgt Ion:105 Resp: 1151031

Ion Ratio Lower Upper

105 100

120 25.6 20.3 30.5

77 15.8 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 47.882 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. -0.000 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

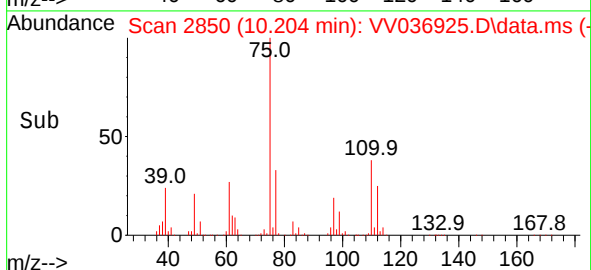
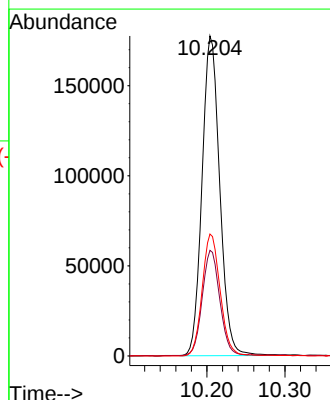
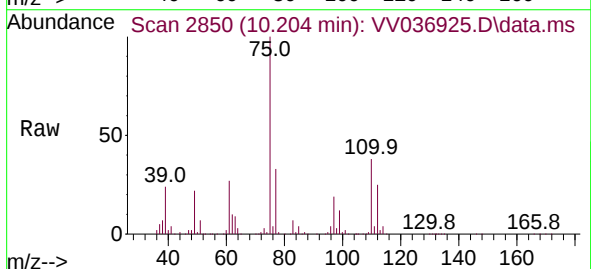
Tgt Ion: 75 Resp: 280531

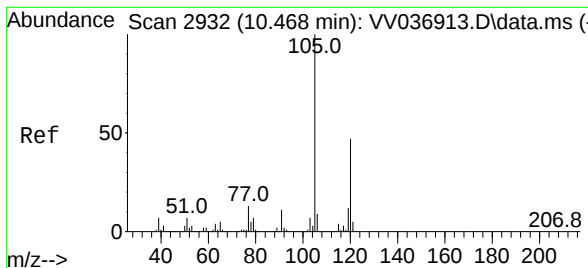
Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2

110 38.6 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 47.768 ug/L

RT: 10.471 min Scan# 20

Delta R.T. 0.003 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

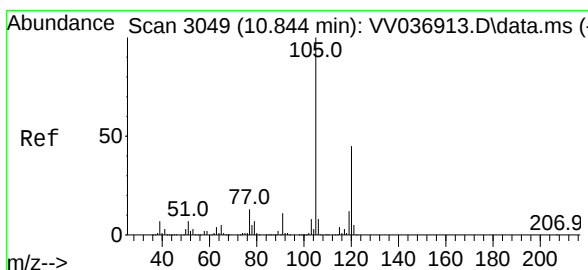
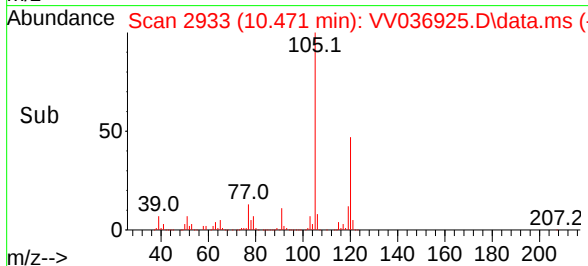
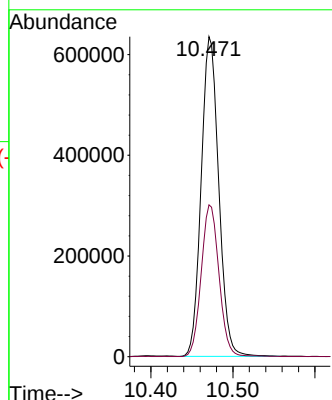
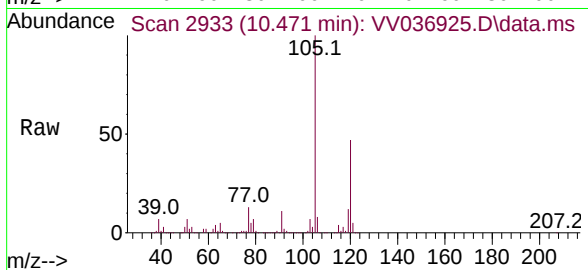
ClientSampleId :

Tgt Ion:105 Resp: 942290

Ion Ratio Lower Upper

105 100

120 48.1 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 47.709 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036925.D

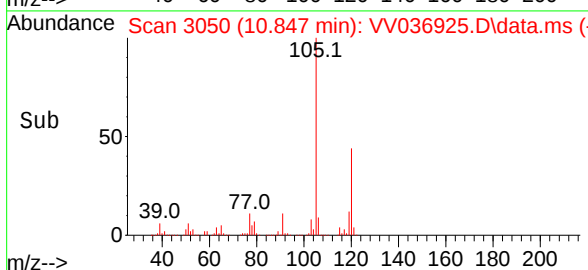
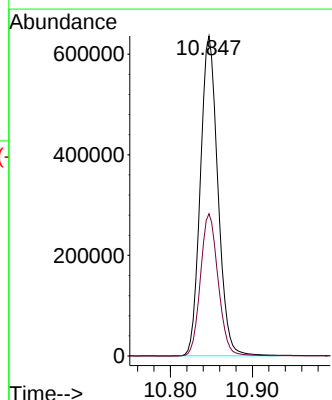
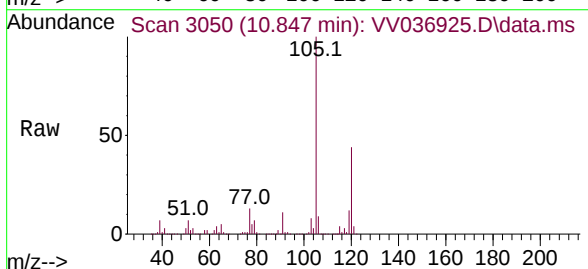
Acq: 13 Aug 2024 17:12

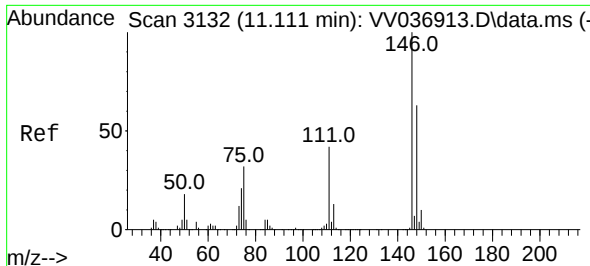
Tgt Ion:105 Resp: 942109

Ion Ratio Lower Upper

105 100

120 44.9 35.6 53.4

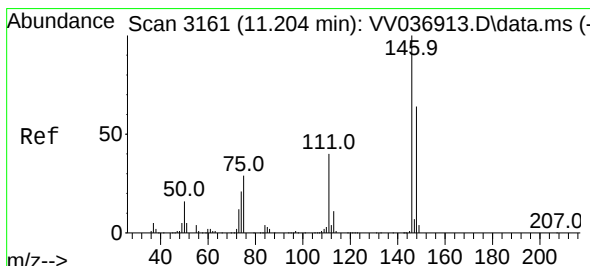
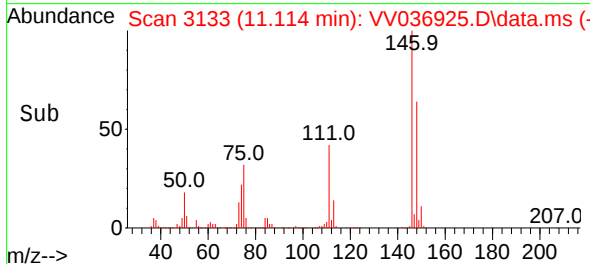
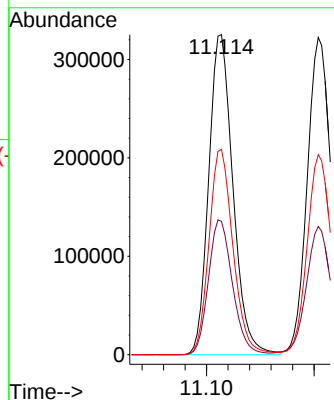
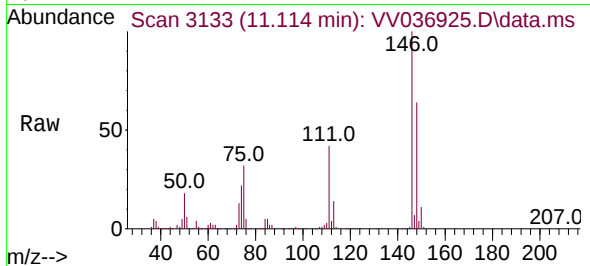




#64  
1,3-Dichlorobenzene  
Concen: 49.922 ug/L  
RT: 11.114 min Scan# 3132  
Delta R.T. 0.003 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

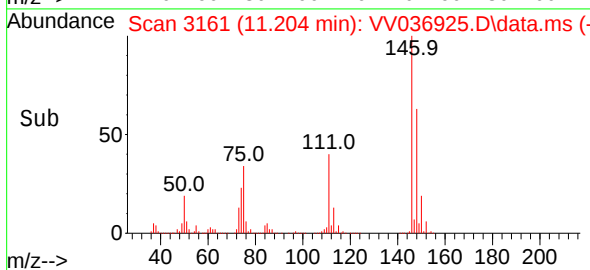
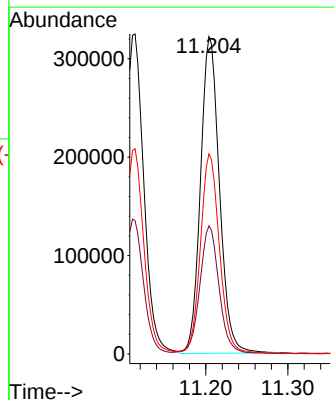
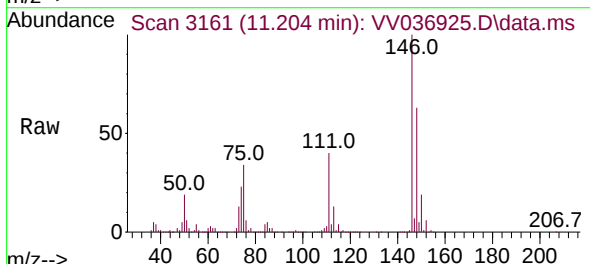
Instrument :  
MSVOA\_V  
ClientSampleId :

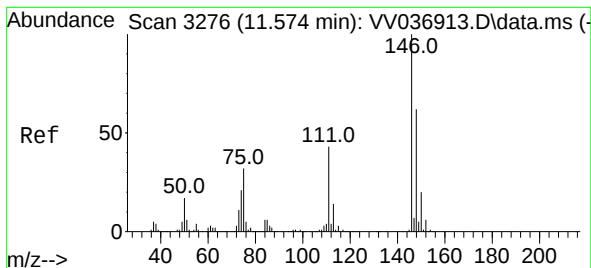
Tgt Ion:146 Resp: 508660  
Ion Ratio Lower Upper  
146 100  
111 41.7 29.8 55.4  
148 64.1 43.4 80.6



#65  
1,4-Dichlorobenzene  
Concen: 49.742 ug/L  
RT: 11.204 min Scan# 3161  
Delta R.T. -0.000 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Tgt Ion:146 Resp: 515398  
Ion Ratio Lower Upper  
146 100  
111 40.4 29.0 53.9  
148 63.0 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 50.463 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.000 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

Instrument :

MSVOA\_V

ClientSampleId :

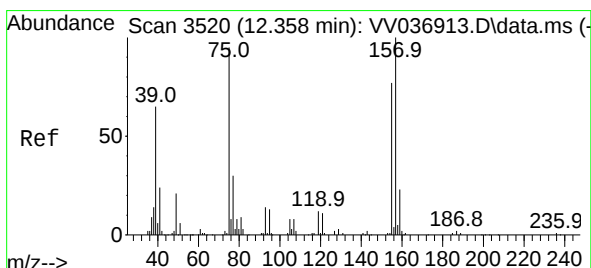
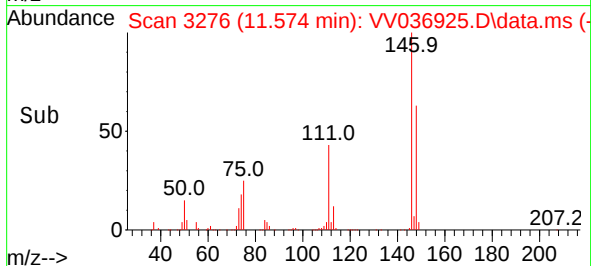
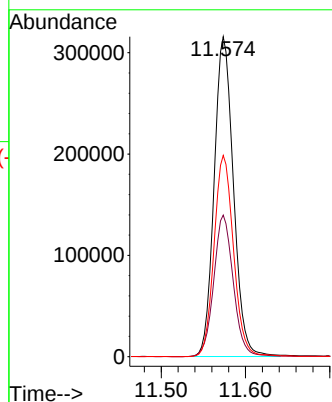
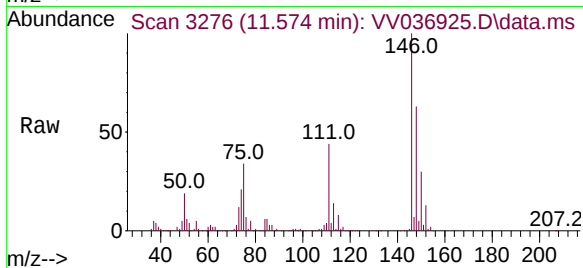
Tgt Ion:146 Resp: 502166

Ion Ratio Lower Upper

146 100

111 44.3 35.7 53.5

148 62.9 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 41.330 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV036925.D

Acq: 13 Aug 2024 17:12

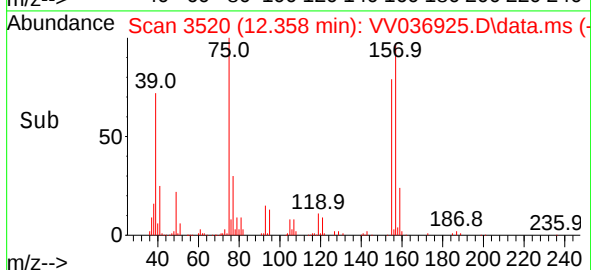
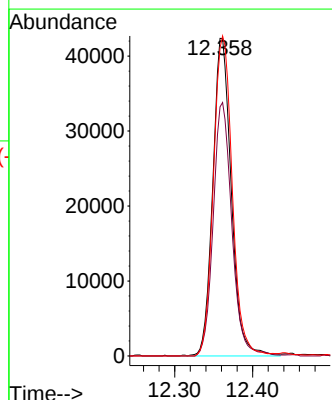
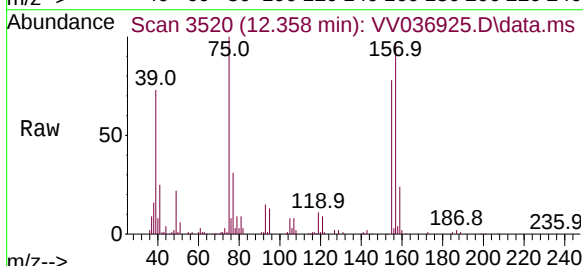
Tgt Ion: 75 Resp: 69974

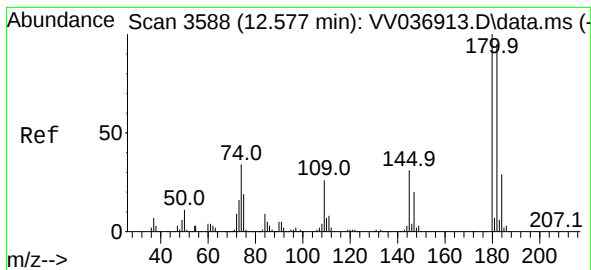
Ion Ratio Lower Upper

75 100

155 78.4 59.5 89.3

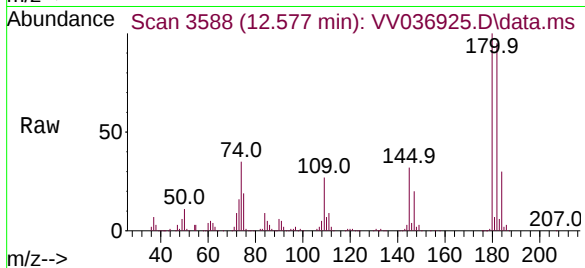
157 97.0 81.0 121.4



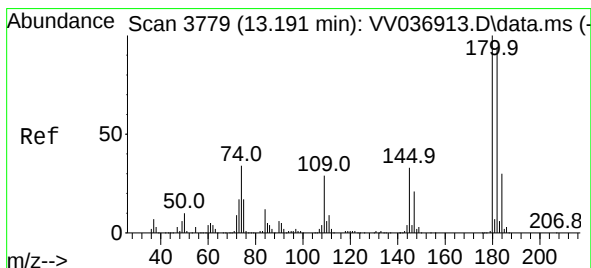
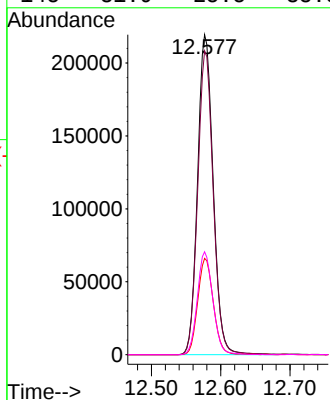
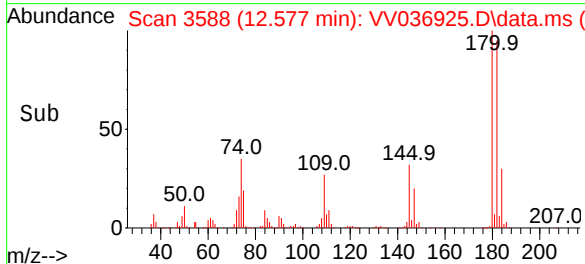


#69  
 1,3,5-Trichlorobenzene  
 Concen: 47.529 ug/L  
 RT: 12.577 min Scan# 3588  
 Delta R.T. -0.000 min  
 Lab File: VV036925.D  
 Acq: 13 Aug 2024 17:12

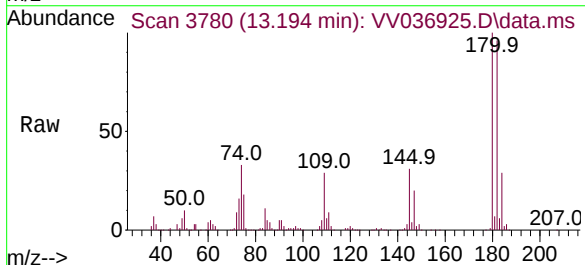
Instrument :  
 MSVOA\_V  
 ClientSampleId :



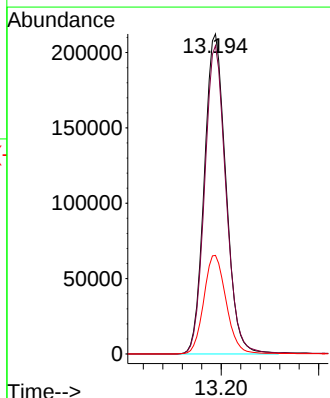
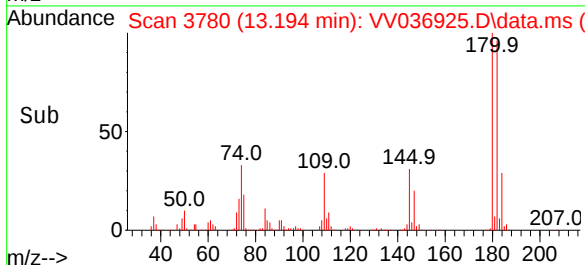
Tgt Ion:180 Resp: 343675  
 Ion Ratio Lower Upper  
 180 100  
 182 94.4 75.0 112.6  
 184 29.9 23.7 35.5  
 145 31.9 25.5 38.3

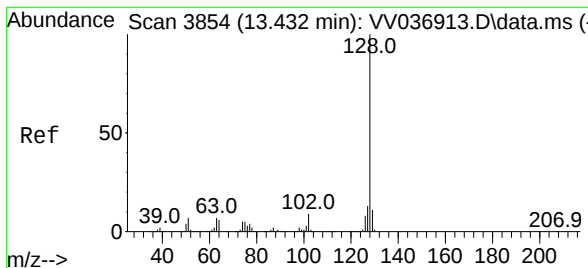


#70  
 1,2,4-trichlorobenzene  
 Concen: 47.035 ug/L  
 RT: 13.194 min Scan# 3780  
 Delta R.T. 0.003 min  
 Lab File: VV036925.D  
 Acq: 13 Aug 2024 17:12



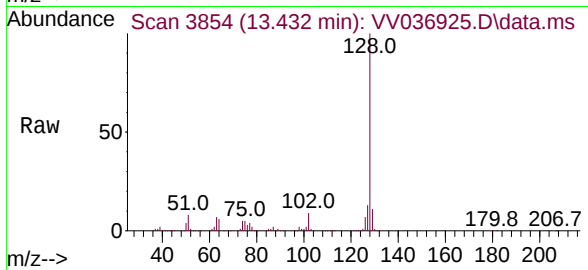
Tgt Ion:180 Resp: 326185  
 Ion Ratio Lower Upper  
 180 100  
 182 95.6 75.1 112.7  
 145 31.9 26.5 39.7



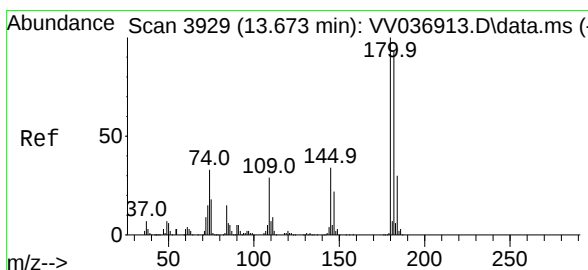
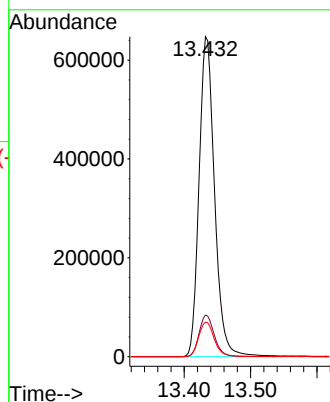
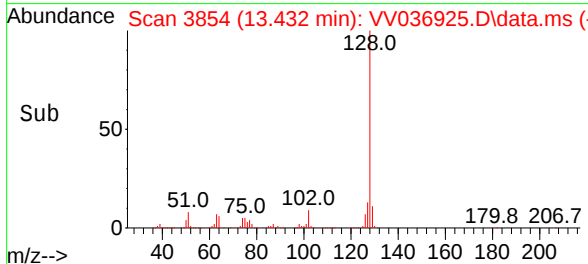


#71  
Naphthalene  
Concen: 47.225 ug/L  
RT: 13.432 min Scan# 3854  
Delta R.T. -0.000 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 1050216  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.5 15.7  
129 10.9 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 48.441 ug/L  
RT: 13.673 min Scan# 3929  
Delta R.T. -0.000 min  
Lab File: VV036925.D  
Acq: 13 Aug 2024 17:12

Tgt Ion:180 Resp: 328840  
Ion Ratio Lower Upper  
180 100  
182 95.6 76.2 114.2  
145 34.3 27.8 41.6

