

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VW091725\  
 Data File : VW039119.D  
 Acq On : 17 Sep 2025 09:29  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005358

Quant Time: Sep 18 01:30:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091525WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 17 02:19:46 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 381055   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117   | 388618   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.172 | 152   | 191056   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.291  | 65    | 119826   | 3.987    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 79.800%  |
| 7) Chloroethane-d5            | 1.542  | 69    | 113549   | 4.360    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 87.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.069  | 65    | 56856    | 3.971    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 79.400%  |
| 20) 2-Butanone-d5             | 3.793  | 46    | 242905   | 54.417   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 108.840% |
| 24) Chloroform-d              | 4.249  | 84    | 300379   | 5.146    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.000% |
| 26) 1,2-Dichloroethane-d4     | 4.941  | 65    | 130277   | 5.300    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 106.000% |
| 32) Benzene-d6                | 4.960  | 84    | 514469   | 4.838    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.986  | 67    | 157044   | 4.941    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.800%  |
| 41) Toluene-d8                | 7.236  | 98    | 486535   | 5.111    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.200% |
| 43) trans-1,3-Dichloroprop... | 7.548  | 79    | 56802    | 4.886    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 97.800%  |
| 46) 2-Hexanone-d5             | 8.014  | 63    | 188379   | 50.051   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 100.100% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.143 | 84    | 119923   | 5.285    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.600% |
| 66) 1,2-Dichlorobenzene-d4    | 11.548 | 152   | 136813   | 4.449    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 89.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.121  | 85    | 202860   | 5.077    | ug/L   | 100      |
| 3) Chloromethane              | 1.227  | 50    | 197022   | 5.022    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.294  | 62    | 212151   | 5.084    | ug/L   | 99       |
| 6) Bromomethane               | 1.500  | 94    | 121784   | 5.117    | ug/L   | 98       |
| 8) Chloroethane               | 1.561  | 64    | 137569   | 5.291    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.725  | 101   | 302743   | 5.386    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.079  | 101   | 179284   | 5.177    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.079  | 96    | 159914   | 5.111    | ug/L   | 97       |
| 13) Acetone                   | 2.124  | 43    | 207350   | 55.219   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.249  | 76    | 550700   | 5.145    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.388  | 43    | 51185    | 5.428    | ug/L   | 97       |
| 16) Methylene chloride        | 2.455  | 84    | 174067   | 4.943    | ug/L   | 92       |
| 17) Methyl tert-butyl Ether   | 2.709  | 73    | 276208   | 5.134    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.703  | 96    | 162345   | 5.098    | ug/L   | 92       |
| 19) 1,1-Dichloroethane        | 3.118  | 63    | 332205   | 5.687    | ug/L   | 98       |
| 21) 2-Butanone                | 3.873  | 43    | 276887   | 55.590   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96    | 160636   | 5.168    | ug/L   | 94       |
| 23) Bromochloromethane        | 4.150  | 128   | 73669    | 5.181    | ug/L   | 94       |
| 25) Chloroform                | 4.275  | 83    | 335132   | 5.537    | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV091725\  
 Data File : VV039119.D  
 Acq On : 17 Sep 2025 09:29  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

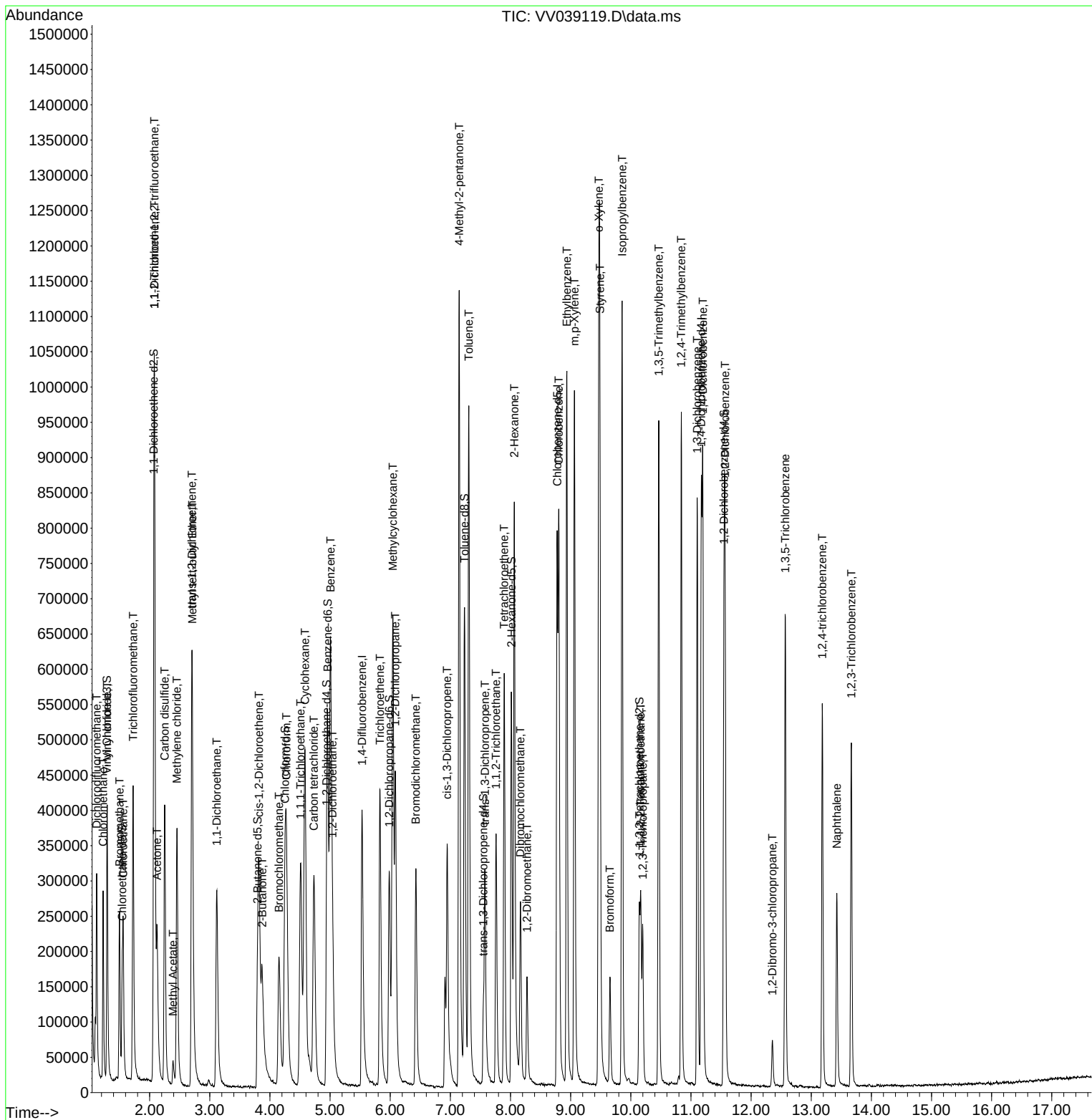
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005358

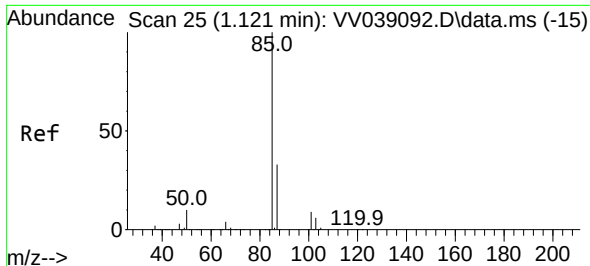
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091525WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 17 02:19:46 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 182362   | 5.872  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 4.510  | 97   | 295386   | 5.520  | ug/L  | 97       |
| 30) Cyclohexane               | 4.584  | 56   | 253411   | 5.340  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 4.732  | 117  | 256998   | 5.299  | ug/L  | 96       |
| 33) Benzene                   | 5.008  | 78   | 693612   | 5.670  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 168665   | 5.115  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.043  | 83   | 265356   | 5.143  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 183431   | 5.782  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.426  | 83   | 228342   | 5.537  | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 230969   | 5.488  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.146  | 43   | 780622   | 62.104 | ug/L  | 97       |
| 42) Toluene                   | 7.307  | 91   | 757210   | 5.939  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.574  | 75   | 191525   | 5.600  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.760  | 97   | 117372   | 5.387  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.895  | 164  | 128375   | 4.981  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.063  | 43   | 532194   | 60.906 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.166  | 129  | 132606   | 5.200  | ug/L  | 93       |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 104202   | 5.331  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.802  | 112  | 437256   | 5.314  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.937  | 91   | 702062   | 5.345  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.063  | 106  | 270970   | 5.304  | ug/L  | 96       |
| 54) o-Xylene                  | 9.468  | 106  | 241453   | 5.152  | ug/L  | 96       |
| 55) Styrene                   | 9.487  | 104  | 457768   | 5.528  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.165 | 83   | 131109   | 5.400  | ug/L  | 97       |
| 59) Bromoform                 | 9.654  | 173  | 64988    | 4.795  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.857  | 105  | 676402   | 5.293  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.198 | 75   | 87893    | 5.461  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.464 | 105  | 487805   | 4.972  | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 10.841 | 105  | 492336   | 5.109  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.104 | 146  | 324722   | 5.207  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.198 | 146  | 331504   | 5.139  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.567 | 146  | 284119   | 5.142  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.355 | 75   | 17545    | 5.004  | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 12.570 | 180  | 192742   | 4.717  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.185 | 180  | 152209   | 4.947  | ug/L  | 97       |
| 71) Naphthalene               | 13.426 | 128  | 216782   | 4.624  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.667 | 180  | 137360   | 5.007  | ug/L  | 99       |

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

Quant Time: Sep 18 01:30:38 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091525WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Sep 17 02:19:46 2025  
Response via : Initial Calibration

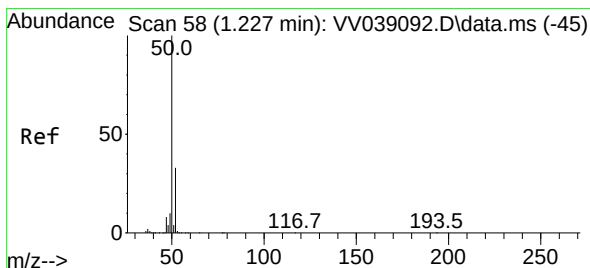
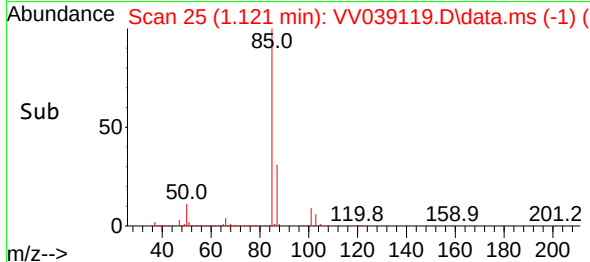
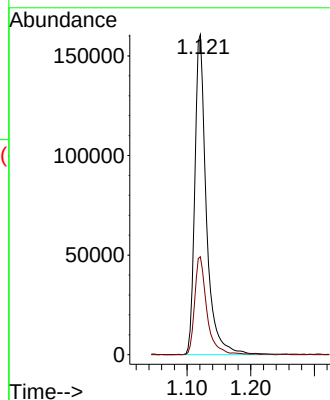
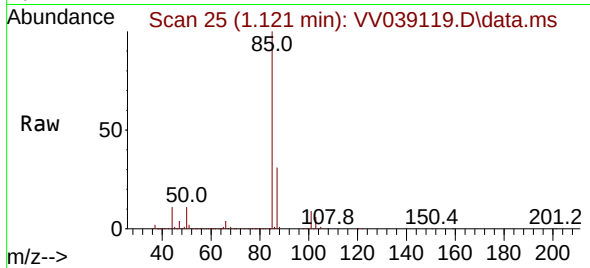




#2  
 Dichlorodifluoromethane  
 Concen: 5.077 ug/L  
 RT: 1.121 min Scan# 25  
 Delta R.T. 0.000 min  
 Lab File: VV039119.D  
 Acq: 17 Sep 2025 09:29

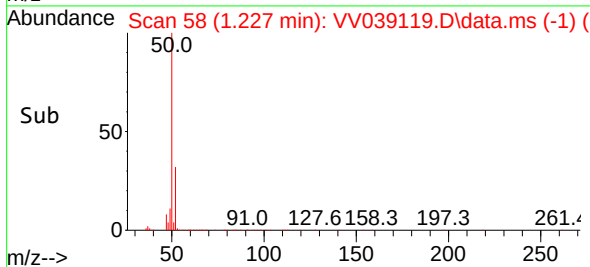
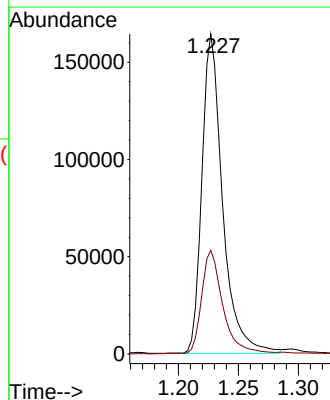
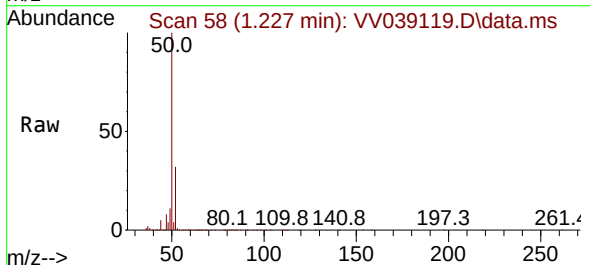
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005358

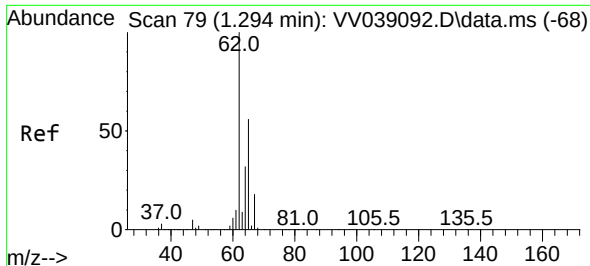
Tgt Ion: 85 Resp: 202860  
 Ion Ratio Lower Upper  
 85 100  
 87 32.3 25.9 38.9



#3  
 Chloromethane  
 Concen: 5.022 ug/L  
 RT: 1.227 min Scan# 58  
 Delta R.T. 0.000 min  
 Lab File: VV039119.D  
 Acq: 17 Sep 2025 09:29

Tgt Ion: 50 Resp: 197022  
 Ion Ratio Lower Upper  
 50 100  
 52 32.4 23.4 43.6





#5  
 Vinyl chloride  
 Concen: 5.084 ug/L  
 RT: 1.294 min Scan# 79  
 Delta R.T. 0.000 min  
 Lab File: VV039119.D  
 Acq: 17 Sep 2025 09:29

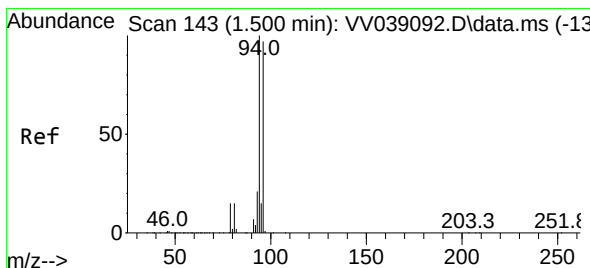
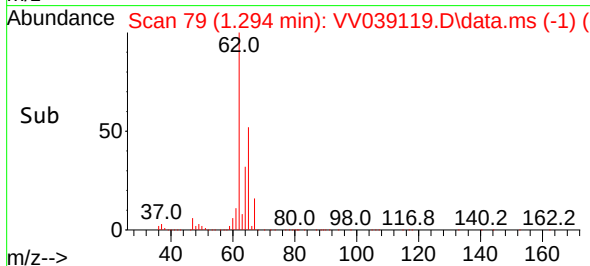
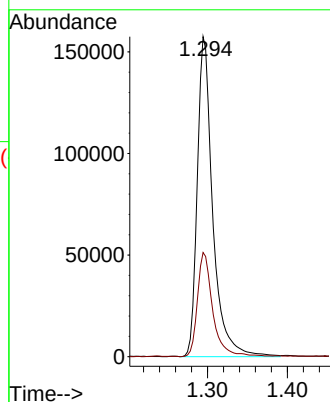
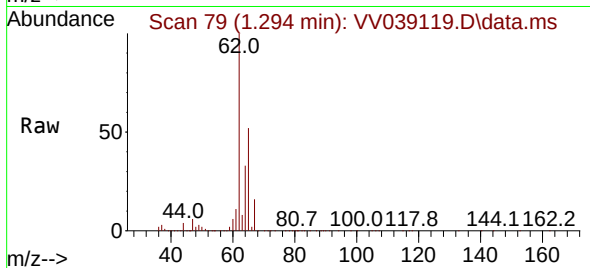
Instrument :

MSVOA\_V

ClientSampleId :

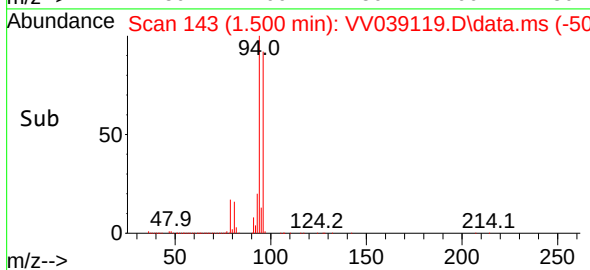
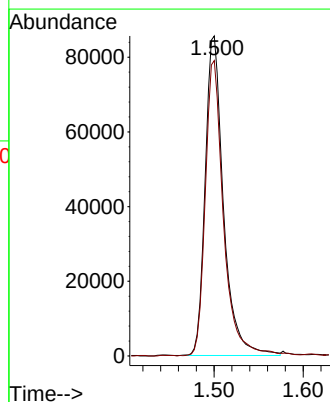
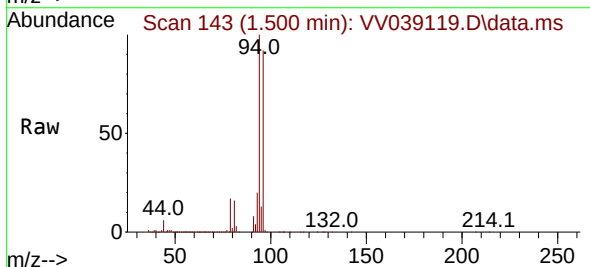
VSTD005358

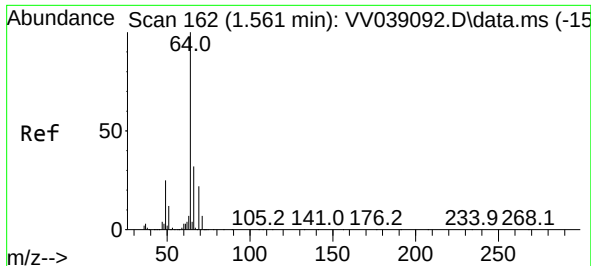
Tgt Ion: 62 Resp: 212151  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 22.4 41.6



#6  
 Bromomethane  
 Concen: 5.117 ug/L  
 RT: 1.500 min Scan# 143  
 Delta R.T. 0.000 min  
 Lab File: VV039119.D  
 Acq: 17 Sep 2025 09:29

Tgt Ion: 94 Resp: 121784  
 Ion Ratio Lower Upper  
 94 100  
 96 92.3 65.9 122.5

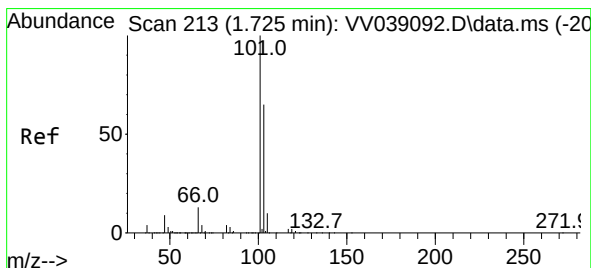
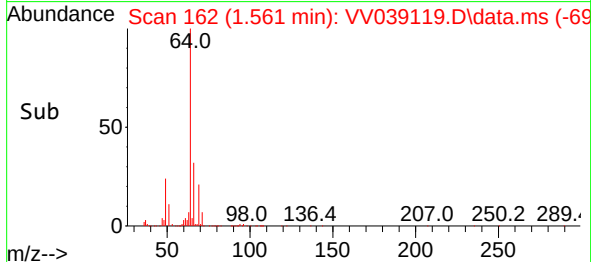
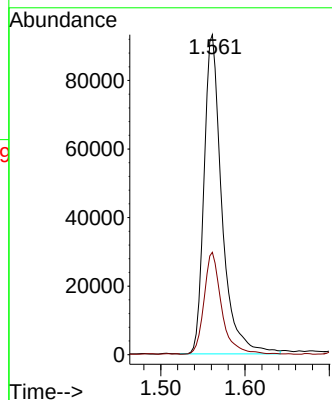
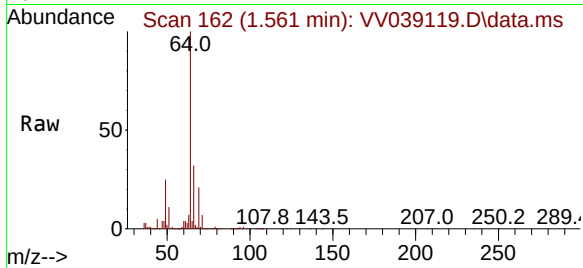




#8  
Chloroethane  
Concen: 5.291 ug/L  
RT: 1.561 min Scan# 162  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

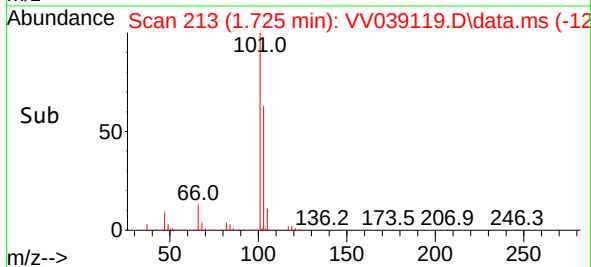
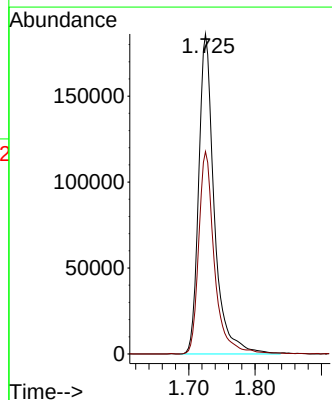
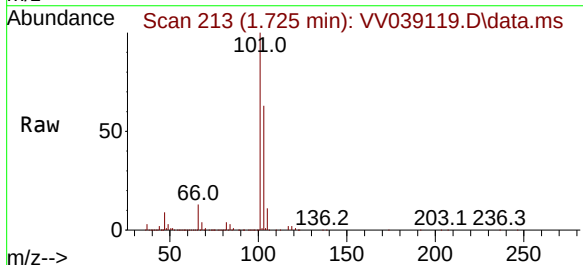
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005358

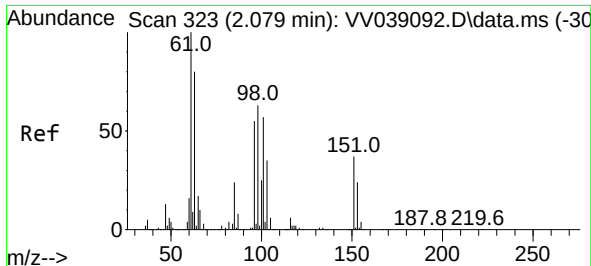
Tgt Ion: 64 Resp: 137569  
Ion Ratio Lower Upper  
64 100  
66 32.0 22.3 41.5



#9  
Trichlorofluoromethane  
Concen: 5.386 ug/L  
RT: 1.725 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Tgt Ion: 101 Resp: 302743  
Ion Ratio Lower Upper  
101 100  
103 64.1 50.7 76.1





#10

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

Concen: 5.177 ug/L

RT: 2.079 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005358

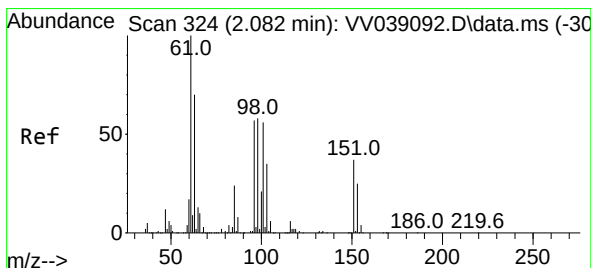
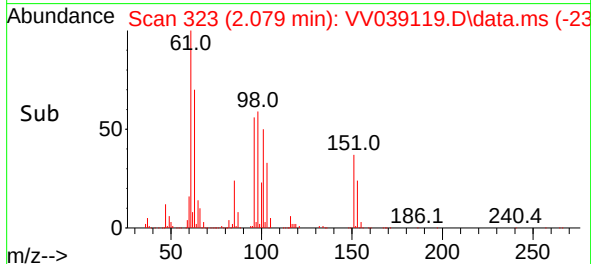
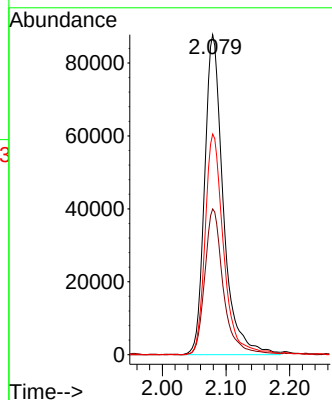
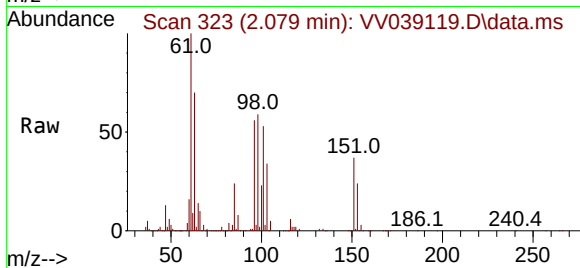
Tgt Ion:101 Resp: 179284

Ion Ratio Lower Upper

101 100

85 45.3 35.4 53.0

151 67.7 55.4 83.0



#12

1,1-Dichloroethene

Concen: 5.111 ug/L

RT: 2.079 min Scan# 323

Delta R.T. -0.003 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

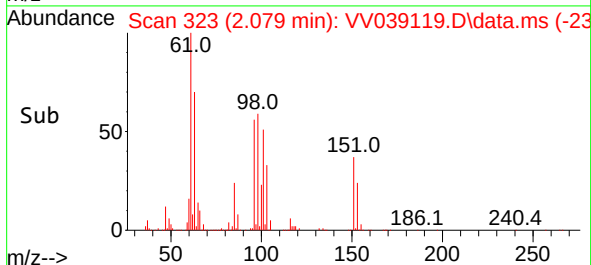
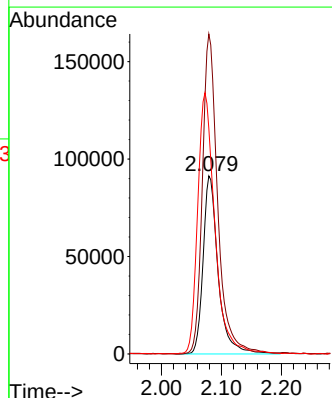
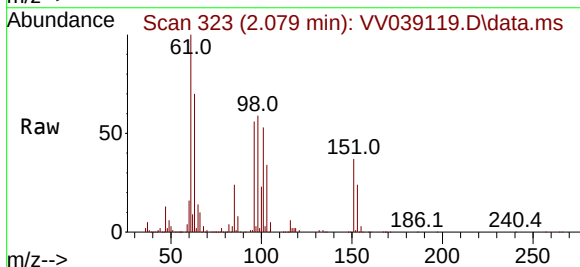
Tgt Ion: 96 Resp: 159914

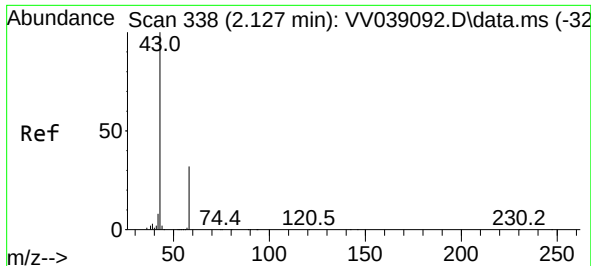
Ion Ratio Lower Upper

96 100

61 179.6 124.7 231.7

63 126.5 93.5 173.7

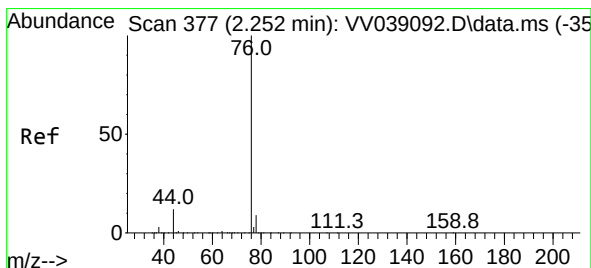
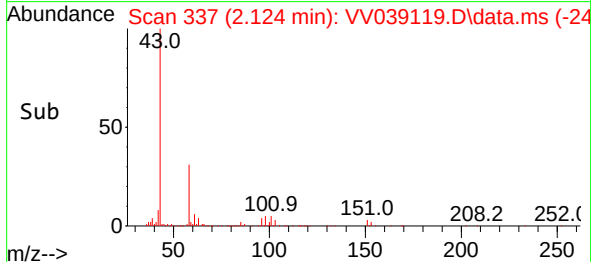
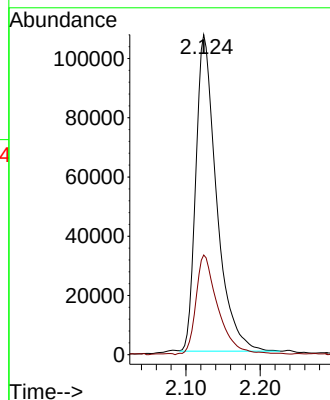
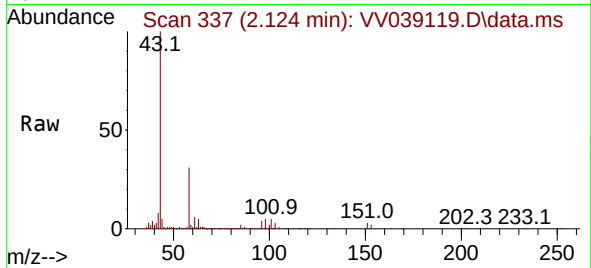




#13  
Acetone  
Concen: 55.219 ug/L  
RT: 2.124 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

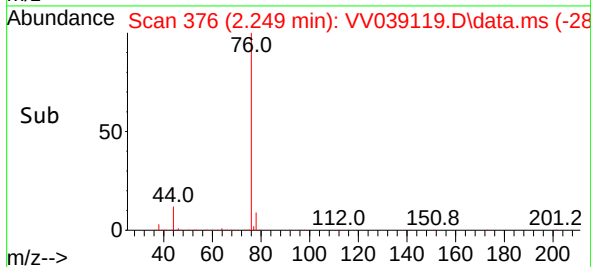
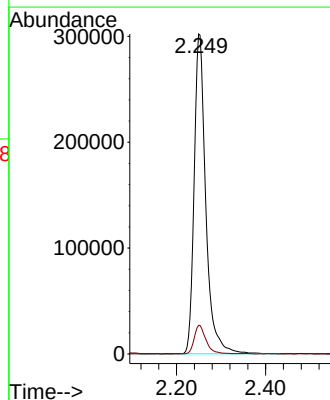
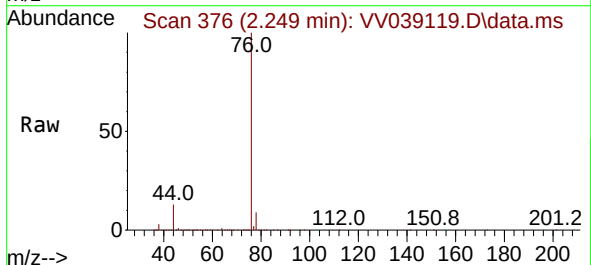
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005358

Tgt Ion: 43 Resp: 207350  
Ion Ratio Lower Upper  
43 100  
58 33.9 0.0 64.0

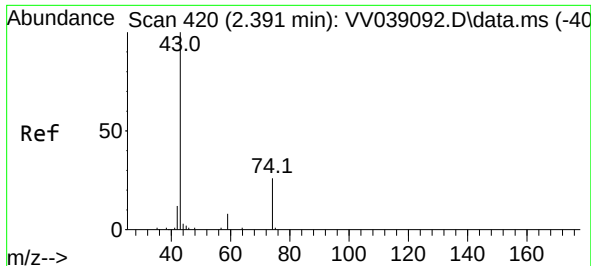


#14  
Carbon disulfide  
Concen: 5.145 ug/L  
RT: 2.249 min Scan# 376  
Delta R.T. -0.003 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Tgt Ion: 76 Resp: 550700  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.2



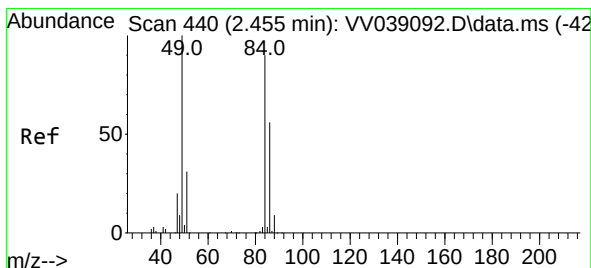
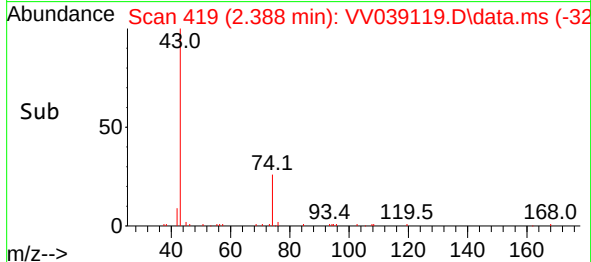
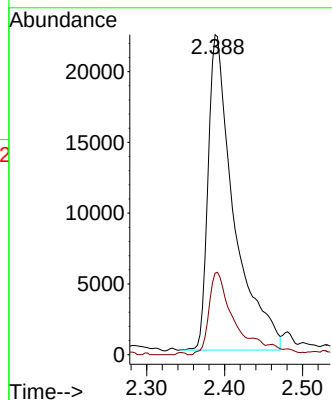
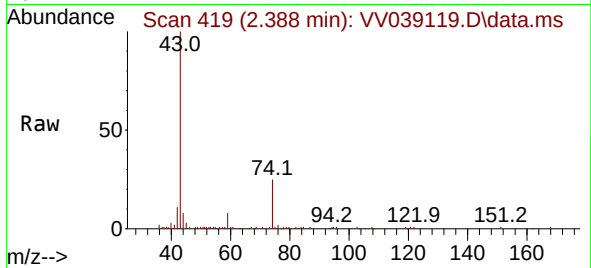




#15  
Methyl Acetate  
Concen: 5.428 ug/L  
RT: 2.388 min Scan# 419  
Delta R.T. -0.003 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

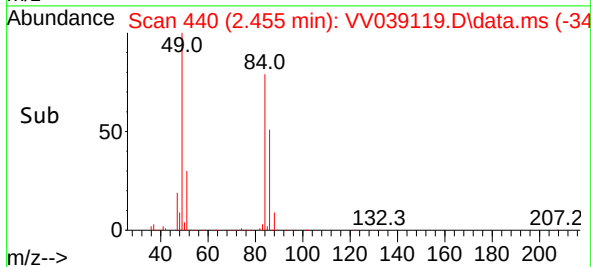
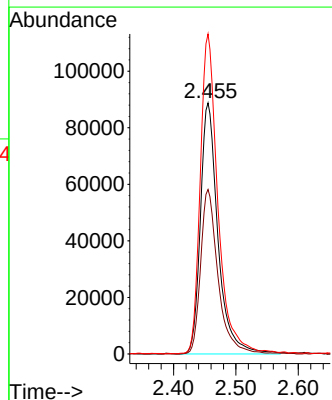
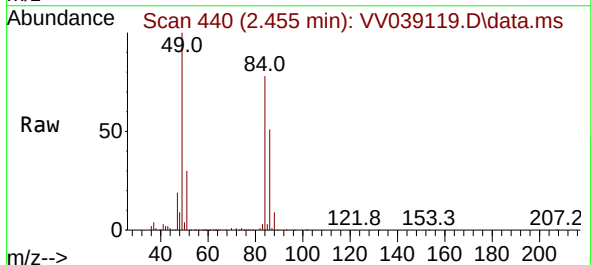
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005358

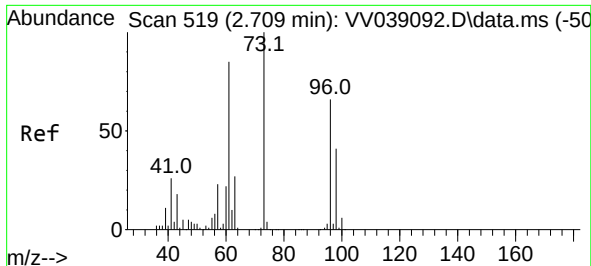
Tgt Ion: 43 Resp: 51185  
Ion Ratio Lower Upper  
43 100  
74 25.0 18.8 28.2



#16  
Methylene chloride  
Concen: 4.943 ug/L  
RT: 2.455 min Scan# 440  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Tgt Ion: 84 Resp: 174067  
Ion Ratio Lower Upper  
84 100  
86 65.5 44.2 82.2  
49 127.4 80.6 149.6





#17

Methyl tert-butyl Ether

Concen: 5.134 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005358

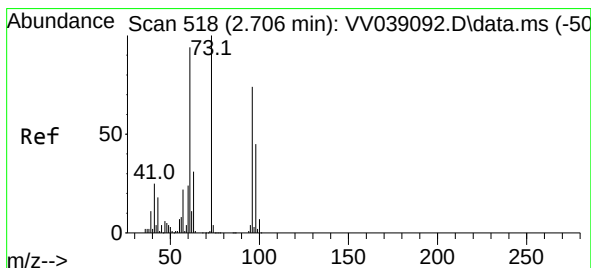
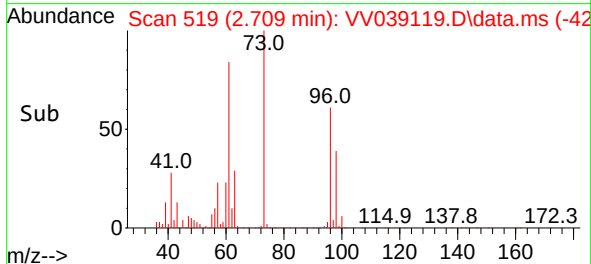
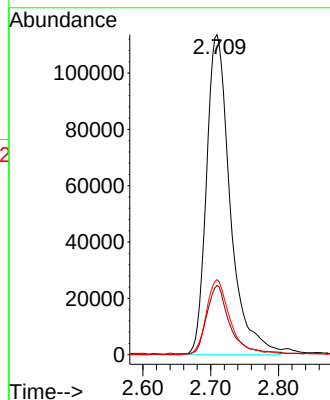
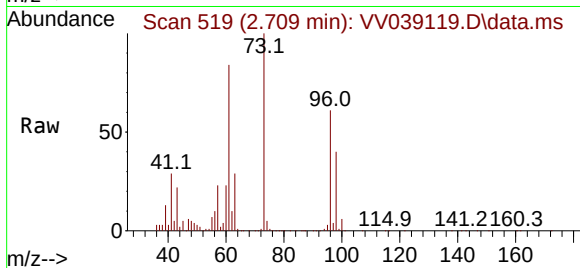
Tgt Ion: 73 Resp: 276208

Ion Ratio Lower Upper

73 100

43 20.5 14.7 22.1

57 23.3 18.0 27.0



#18

trans-1,2-Dichloroethene

Concen: 5.098 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.003 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

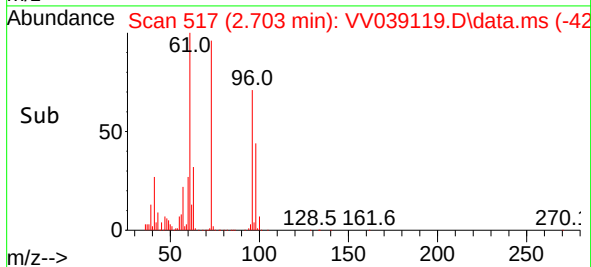
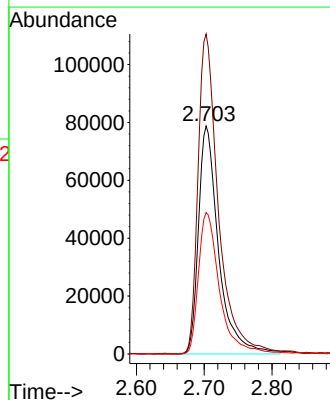
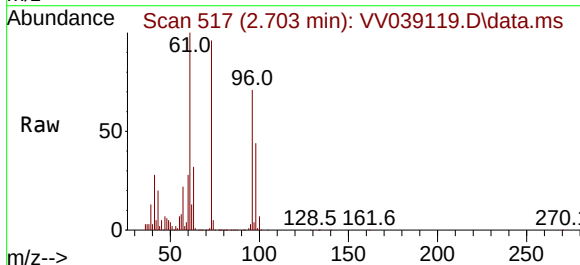
Tgt Ion: 96 Resp: 162345

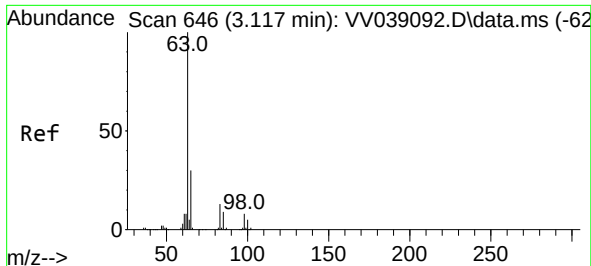
Ion Ratio Lower Upper

96 100

61 140.4 89.7 166.5

98 62.0 44.9 83.3





#19

1,1-Dichloroethane

Concen: 5.687 ug/L

RT: 3.118 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005358

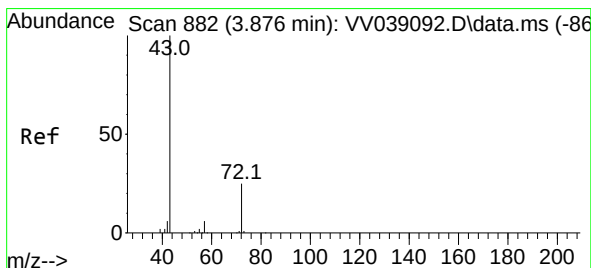
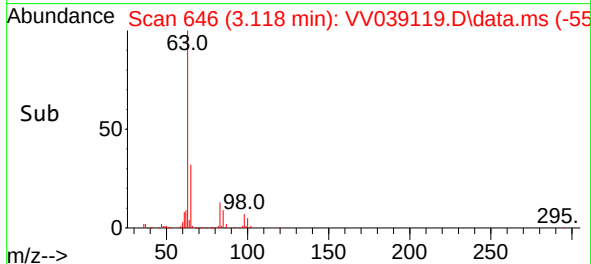
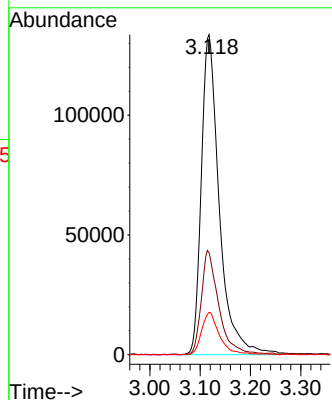
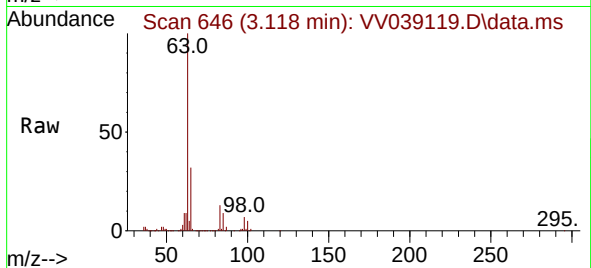
Tgt Ion: 63 Resp: 332205

Ion Ratio Lower Upper

63 100

65 32.0 21.5 39.9

83 13.2 9.2 17.2



#21

2-Butanone

Concen: 55.590 ug/L

RT: 3.873 min Scan# 881

Delta R.T. -0.003 min

Lab File: VV039119.D

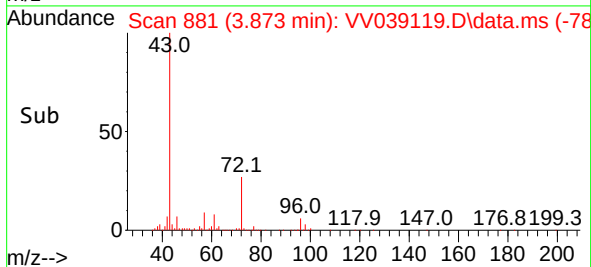
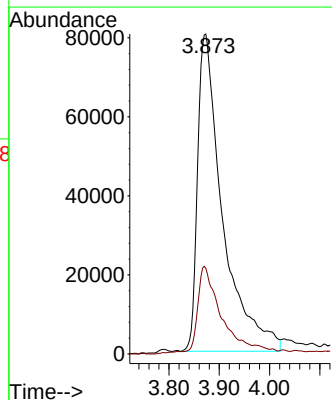
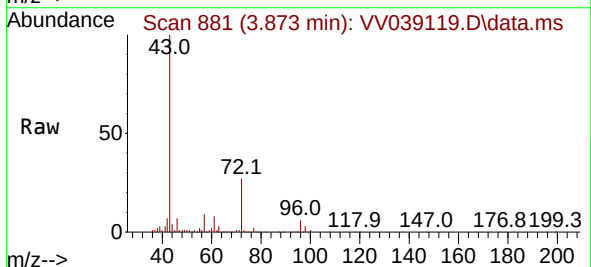
Acq: 17 Sep 2025 09:29

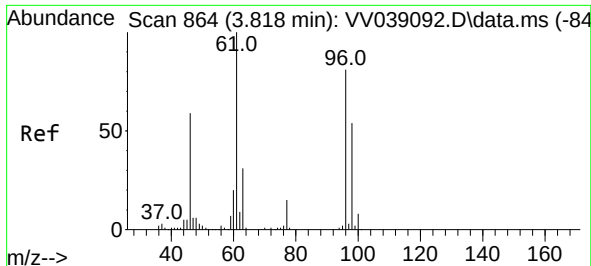
Tgt Ion: 43 Resp: 276887

Ion Ratio Lower Upper

43 100

72 24.6 12.0 36.0

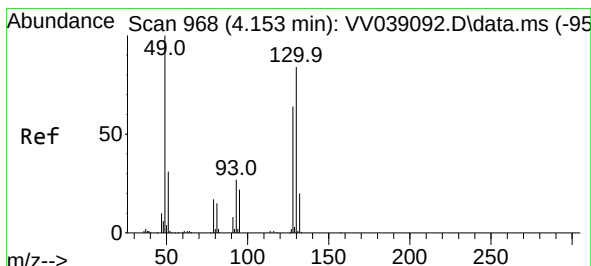
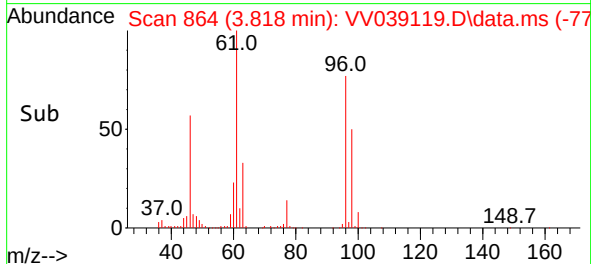
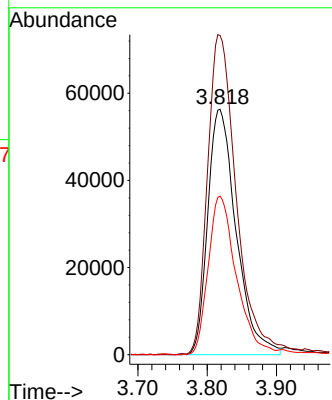
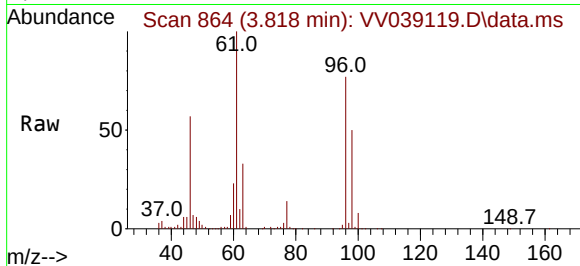




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.168 ug/L  
 RT: 3.818 min Scan# 864  
 Delta R.T. 0.000 min  
 Lab File: VV039119.D  
 Acq: 17 Sep 2025 09:29

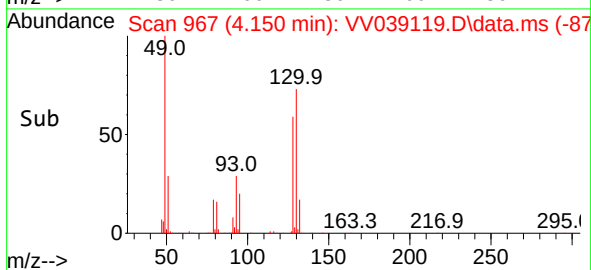
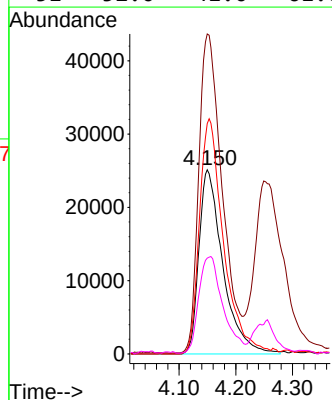
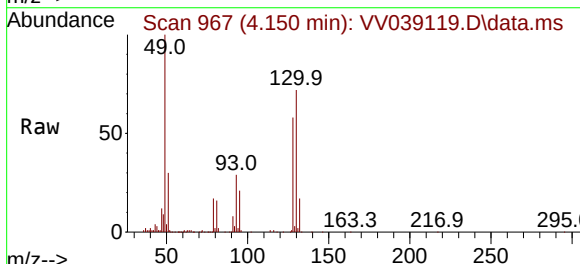
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005358

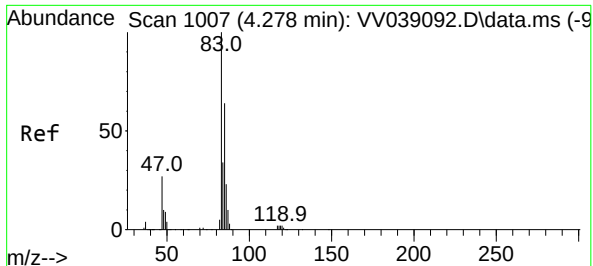
Tgt Ion: 96 Resp: 160636  
 Ion Ratio Lower Upper  
 96 100  
 61 130.0 85.4 158.6  
 98 64.6 46.6 86.6



#23  
 Bromochloromethane  
 Concen: 5.181 ug/L  
 RT: 4.150 min Scan# 967  
 Delta R.T. -0.003 min  
 Lab File: VV039119.D  
 Acq: 17 Sep 2025 09:29

Tgt Ion: 128 Resp: 73669  
 Ion Ratio Lower Upper  
 128 100  
 49 173.8 115.3 214.1  
 130 125.1 93.2 173.0  
 51 52.0 41.0 61.6

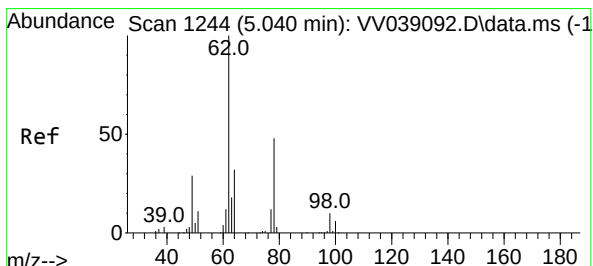
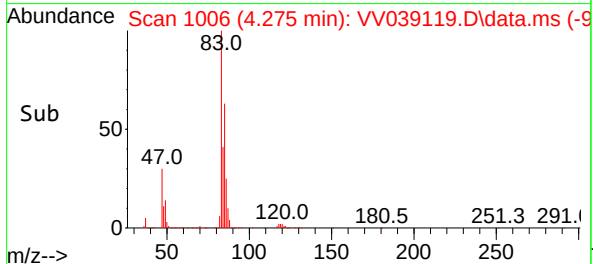
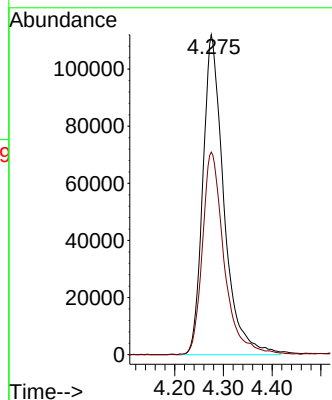
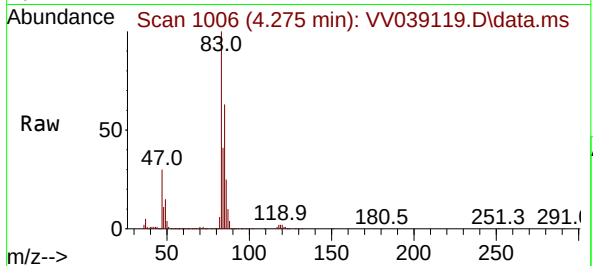




#25  
Chloroform  
Concen: 5.537 ug/L  
RT: 4.275 min Scan# 1007  
Delta R.T. -0.003 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

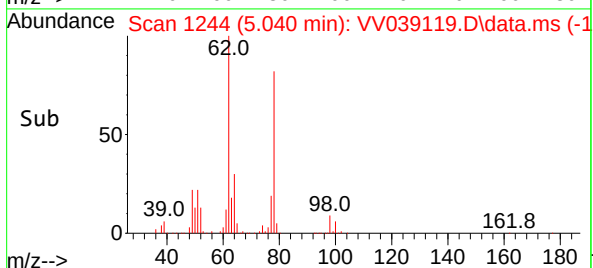
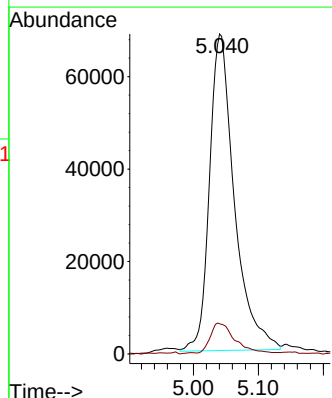
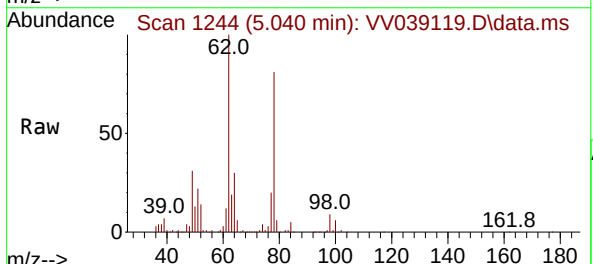
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005358

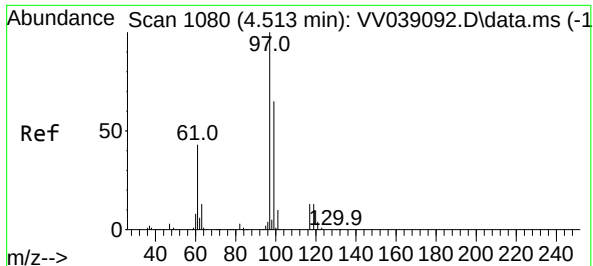
Tgt Ion: 83 Resp: 335132  
Ion Ratio Lower Upper  
83 100  
85 63.3 45.3 84.1



#27  
1,2-Dichloroethane  
Concen: 5.872 ug/L  
RT: 5.040 min Scan# 1244  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Tgt Ion: 62 Resp: 182362  
Ion Ratio Lower Upper  
62 100  
98 9.4 8.6 12.8





#29

1,1,1-Trichloroethane

Concen: 5.520 ug/L

RT: 4.510 min Scan# 1080

Delta R.T. -0.003 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005358

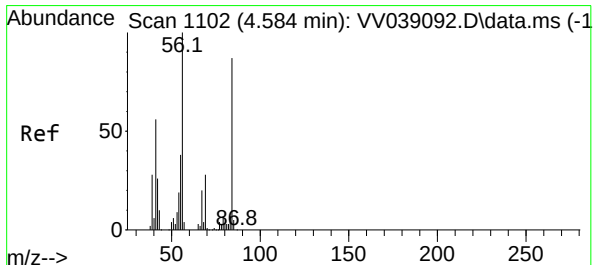
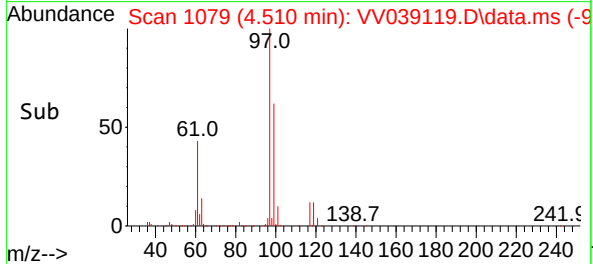
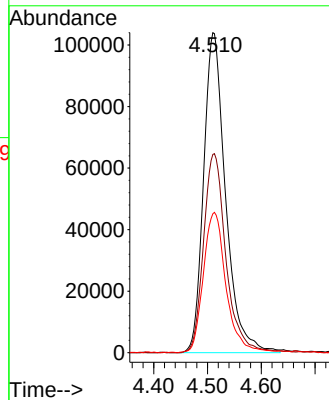
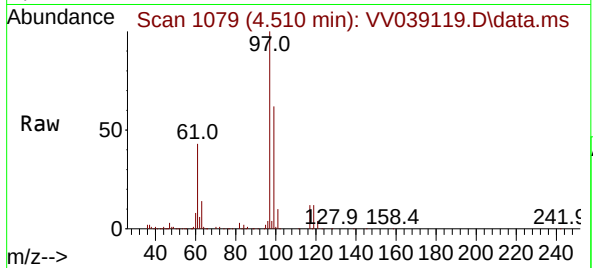
Tgt Ion: 97 Resp: 295386

Ion Ratio Lower Upper

97 100

99 63.8 51.1 76.7

61 45.3 32.9 49.3



#30

Cyclohexane

Concen: 5.340 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

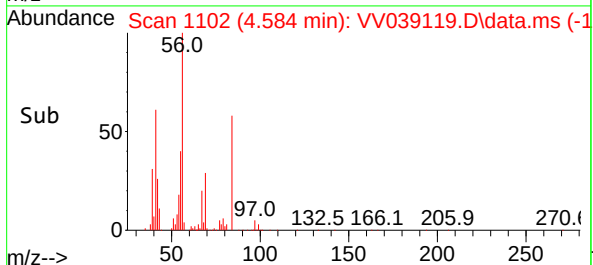
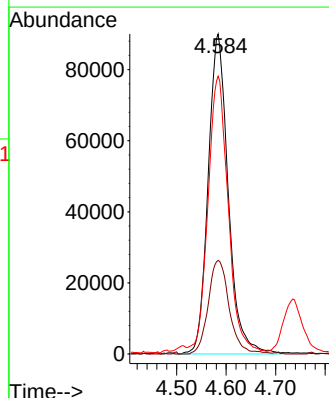
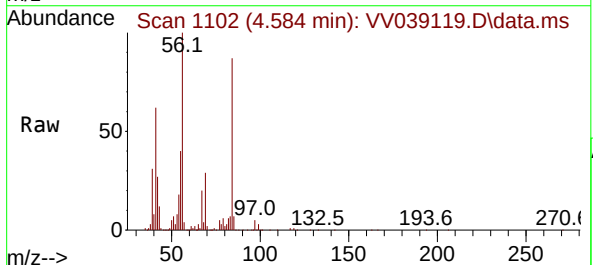
Tgt Ion: 56 Resp: 253411

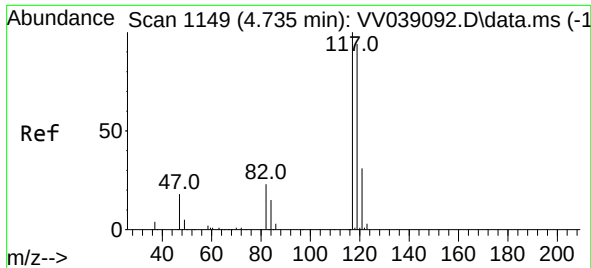
Ion Ratio Lower Upper

56 100

69 30.6 25.0 37.6

84 85.3 71.3 106.9

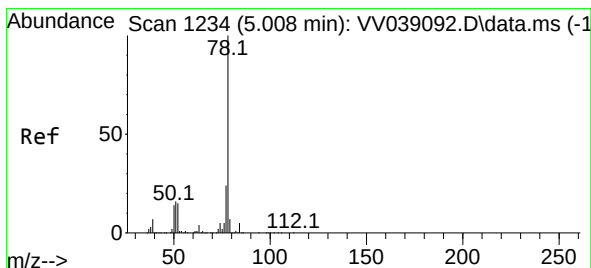
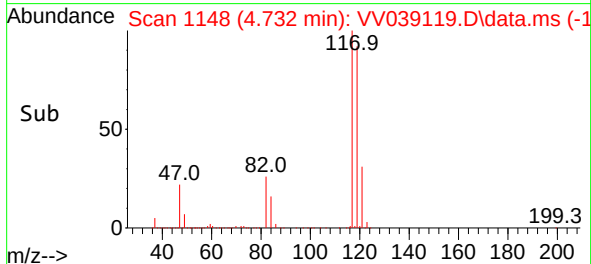
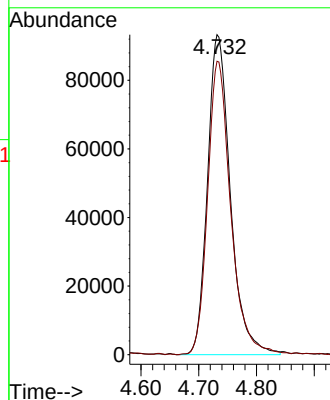
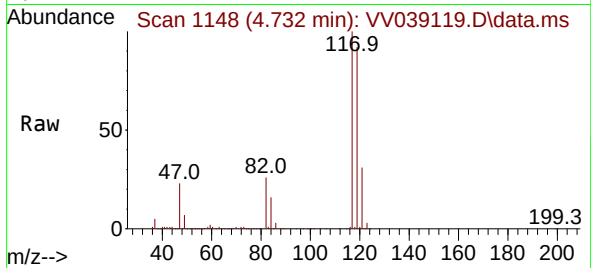




#31  
Carbon tetrachloride  
Concen: 5.299 ug/L  
RT: 4.732 min Scan# 1149  
Delta R.T. -0.003 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

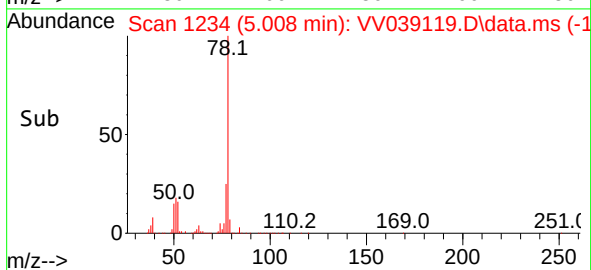
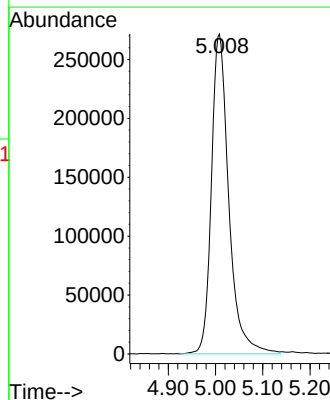
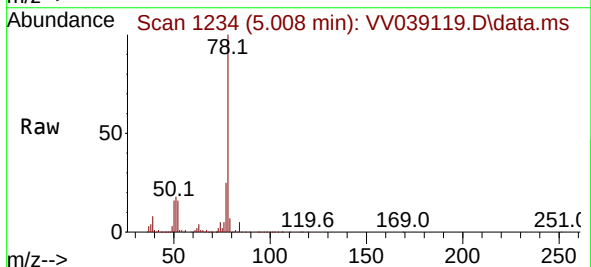
Instrument : MSVOA\_V  
ClientSampleId : VSTD005358

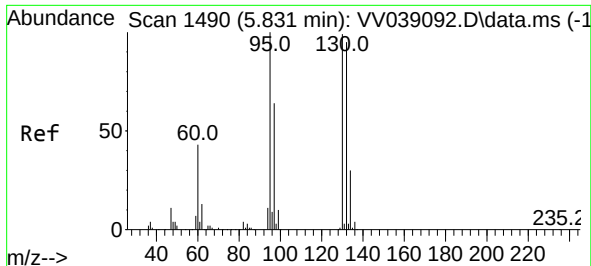
Tgt Ion:117 Resp: 256998  
Ion Ratio Lower Upper  
117 100  
119 92.6 77.4 116.2



#33  
Benzene  
Concen: 5.670 ug/L  
RT: 5.008 min Scan# 1234  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Tgt Ion: 78 Resp: 693612



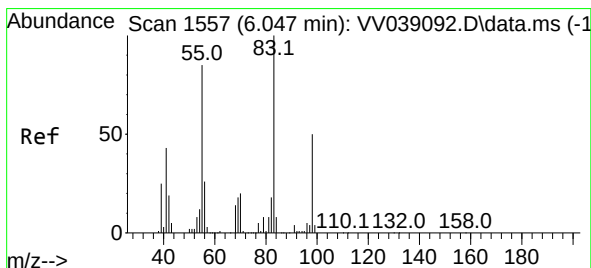
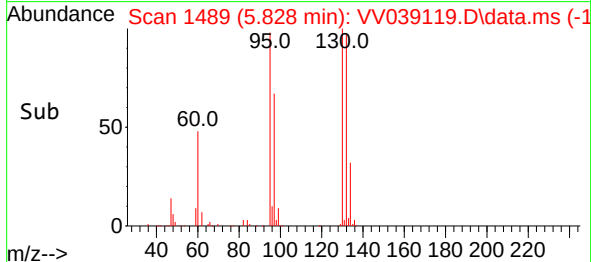
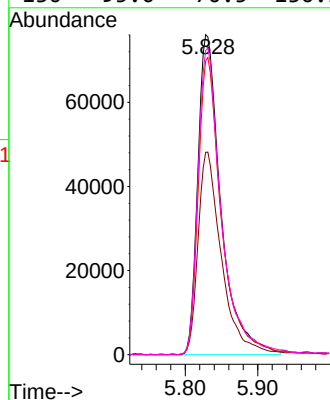
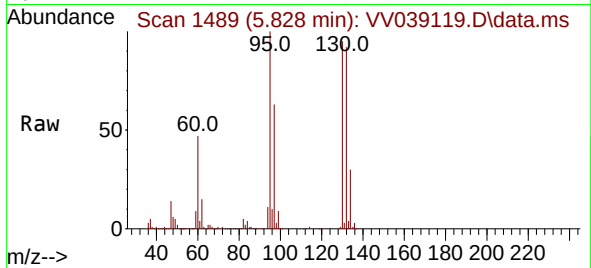


#34  
Trichloroethene  
Concen: 5.115 ug/L  
RT: 5.828 min Scan# 1490  
Delta R.T. -0.003 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005358

Tgt Ion: 95 Resp: 168665

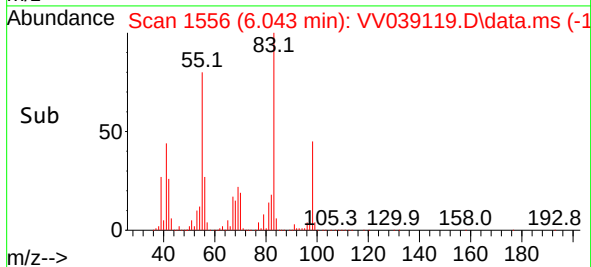
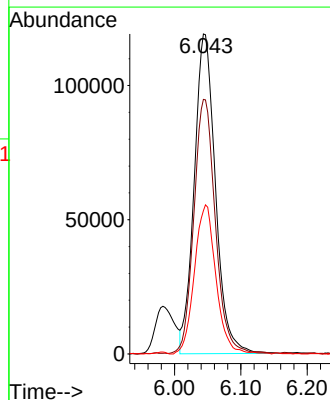
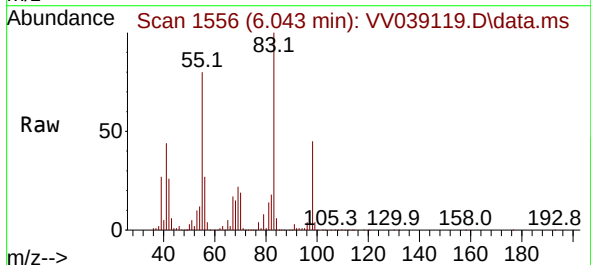
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.3  | 43.3  | 80.5  |
| 132 | 91.8  | 65.5  | 121.7 |
| 130 | 95.0  | 70.5  | 130.9 |



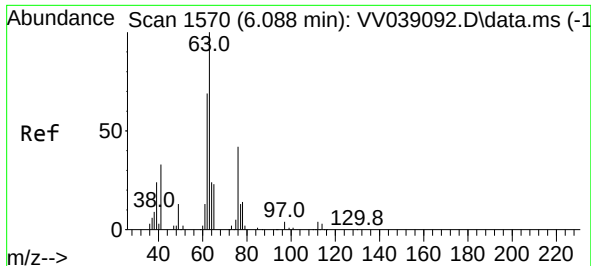
#35  
Methylcyclohexane  
Concen: 5.143 ug/L  
RT: 6.043 min Scan# 1556  
Delta R.T. -0.003 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Tgt Ion: 83 Resp: 265356

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 80.0  | 61.4  | 92.2  |
| 98  | 47.0  | 38.2  | 57.4  |







#37

1,2-Dichloropropane

Concen: 5.782 ug/L

RT: 6.085 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

Instrument :

MSVOA\_V

ClientSampleId :

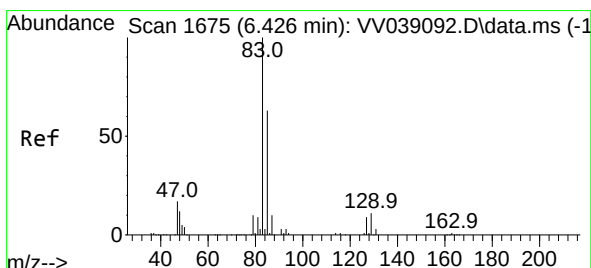
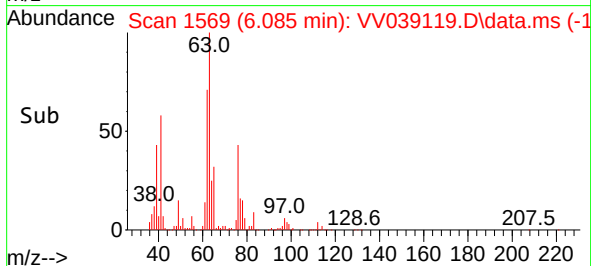
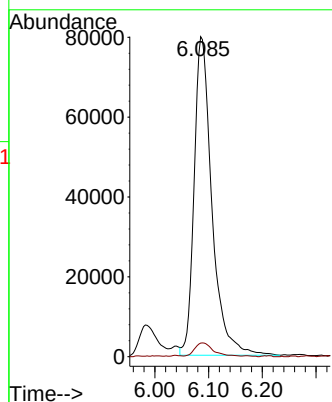
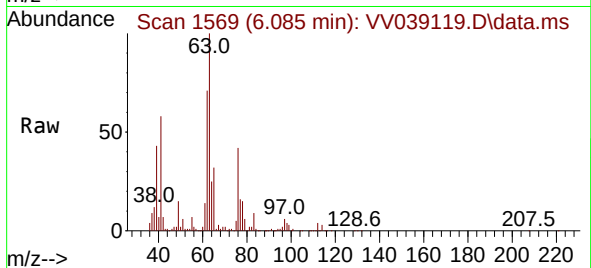
VSTD005358

Tgt Ion: 63 Resp: 183431

Ion Ratio Lower Upper

63 100

112 4.4 3.6 5.4



#38

Bromodichloromethane

Concen: 5.537 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

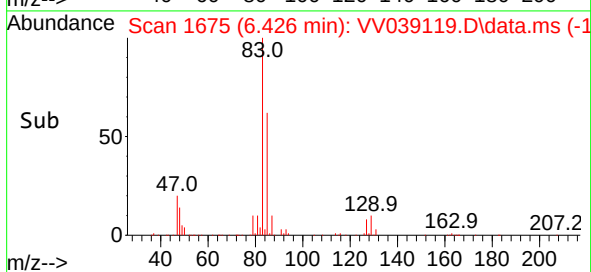
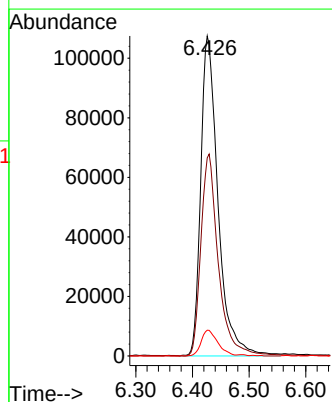
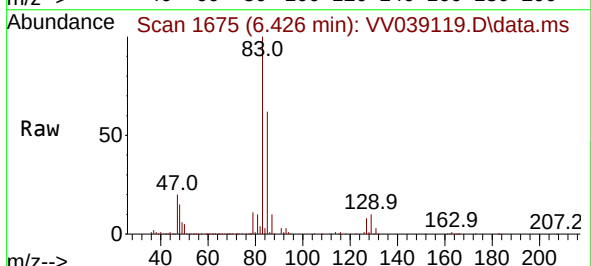
Tgt Ion: 83 Resp: 228342

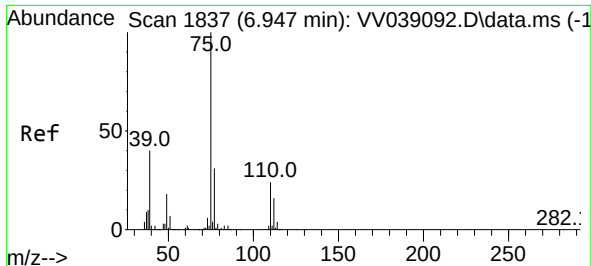
Ion Ratio Lower Upper

83 100

85 61.9 45.8 85.2

127 8.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.488 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

Instrument :

MSVOA\_V

ClientSampleId :

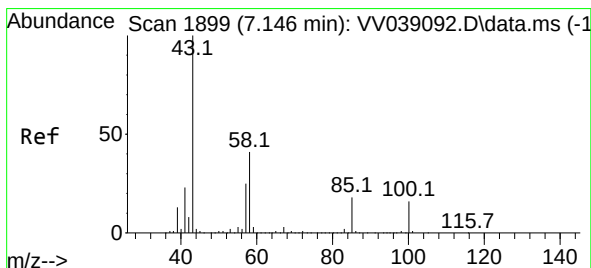
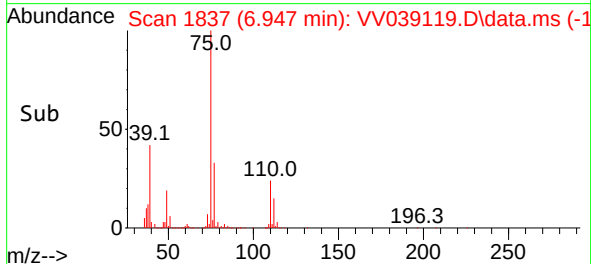
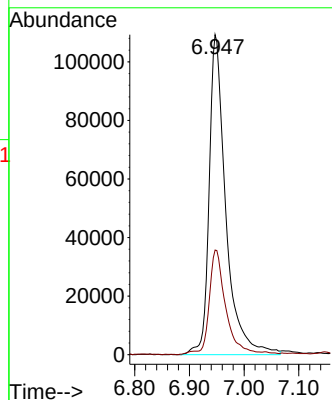
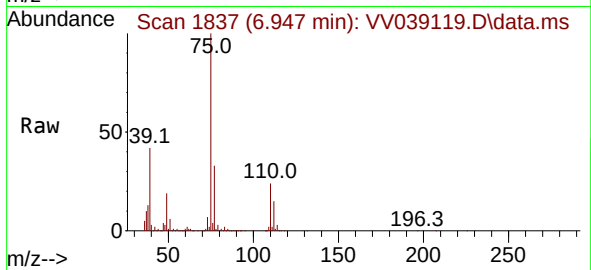
VSTD005358

Tgt Ion: 75 Resp: 230969

Ion Ratio Lower Upper

75 100

77 32.7 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 62.104 ug/L

RT: 7.146 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

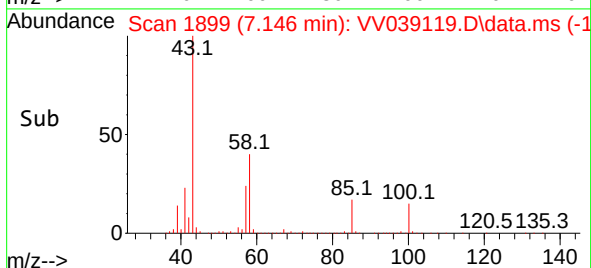
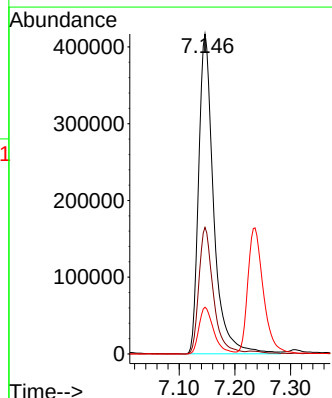
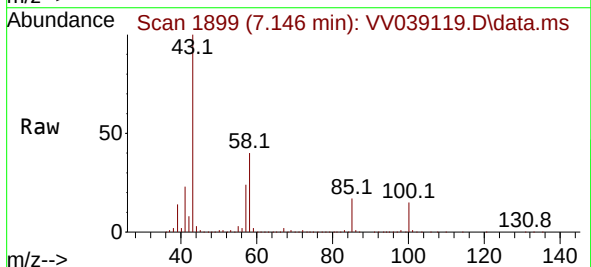
Tgt Ion: 43 Resp: 780622

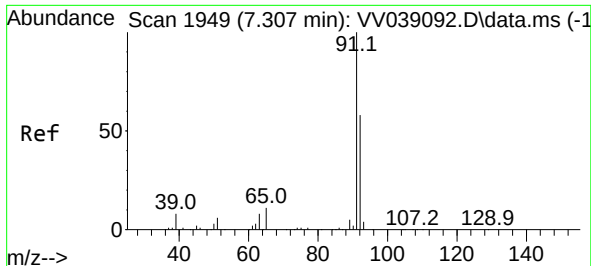
Ion Ratio Lower Upper

43 100

58 38.2 31.7 47.5

100 14.5 13.0 19.4





#42

Toluene

Concen: 5.939 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

Instrument :

MSVOA\_V

ClientSampleId :

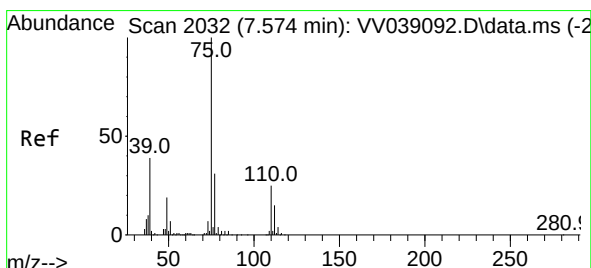
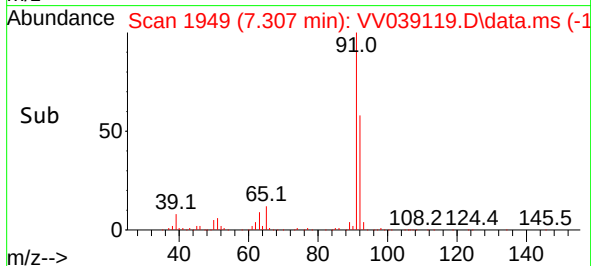
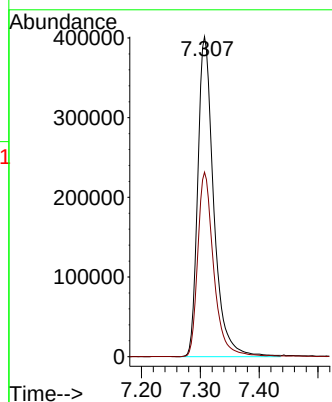
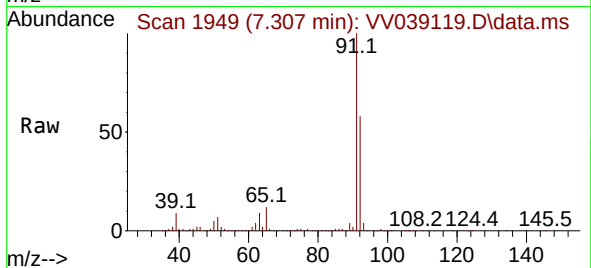
VSTD005358

Tgt Ion: 91 Resp: 757210

Ion Ratio Lower Upper

91 100

92 57.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 5.600 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VV039119.D

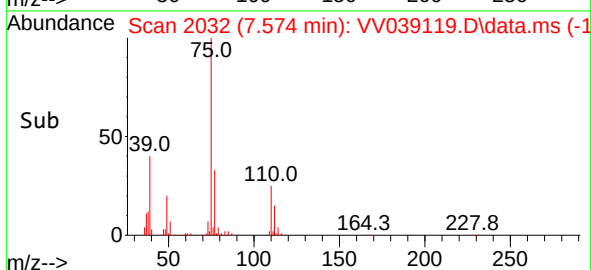
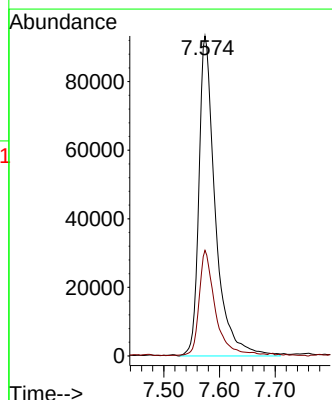
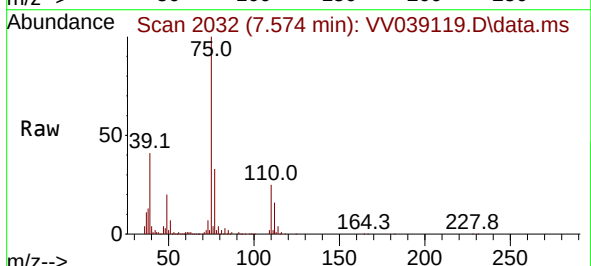
Acq: 17 Sep 2025 09:29

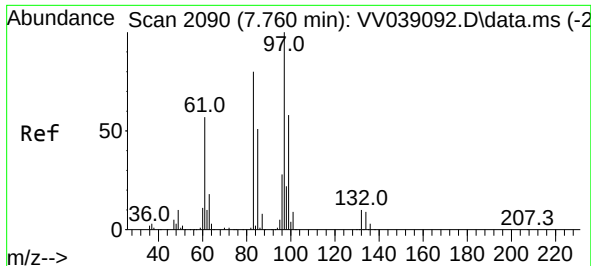
Tgt Ion: 75 Resp: 191525

Ion Ratio Lower Upper

75 100

77 33.0 21.9 40.7



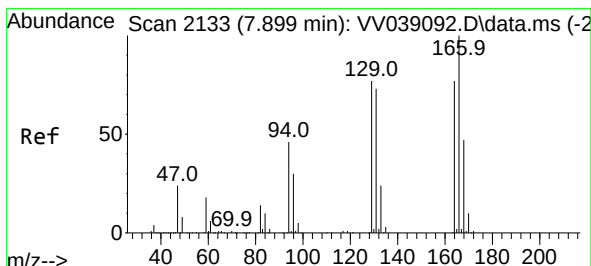
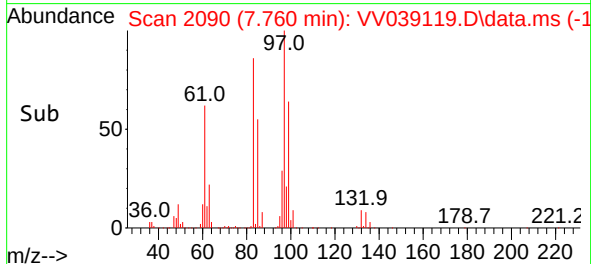
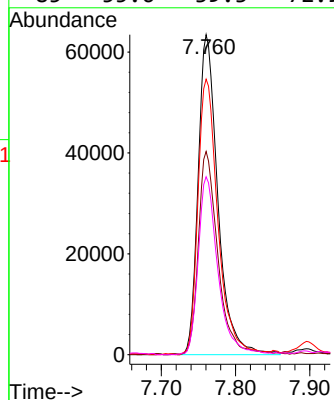
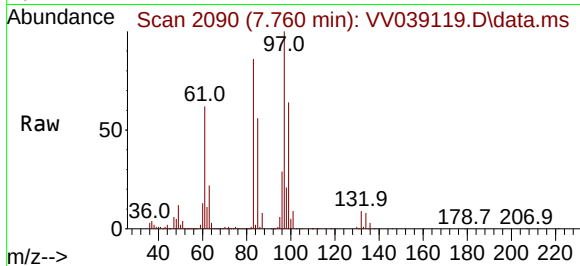


#45  
1,1,2-Trichloroethane  
Concen: 5.387 ug/L  
RT: 7.760 min Scan# 2090  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005358

Tgt Ion: 97 Resp: 117372

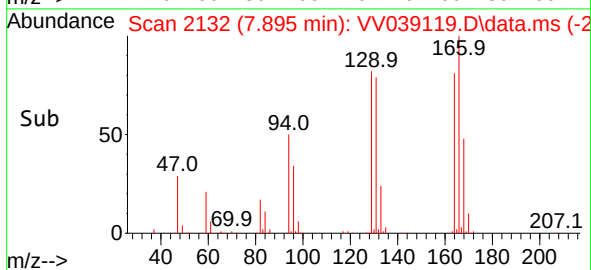
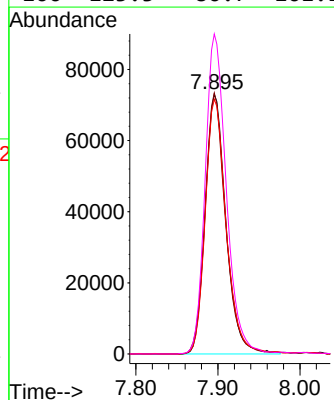
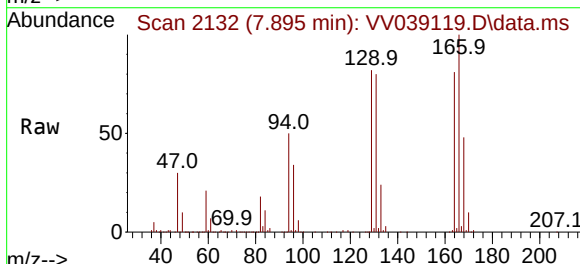
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.5  | 43.3  | 80.3  |
| 83  | 86.1  | 61.7  | 114.7 |
| 85  | 55.6  | 39.3  | 72.9  |

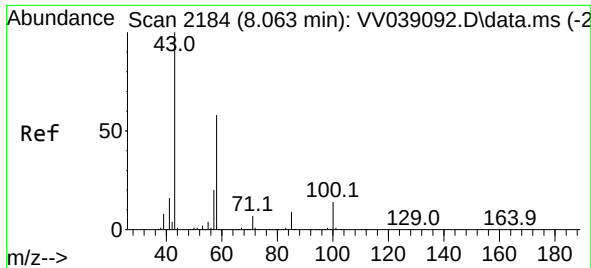


#47  
Tetrachloroethene  
Concen: 4.981 ug/L  
RT: 7.895 min Scan# 2132  
Delta R.T. -0.003 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Tgt Ion: 164 Resp: 128375

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 100.6 | 68.0  | 126.4 |
| 131 | 98.1  | 65.4  | 121.4 |
| 166 | 123.3 | 86.7  | 161.1 |



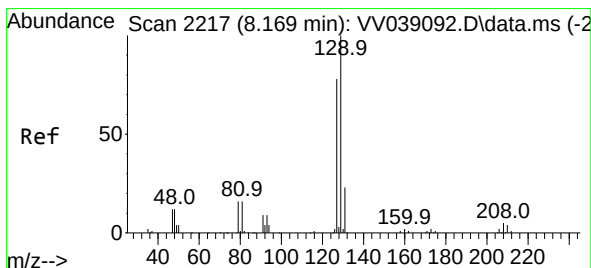
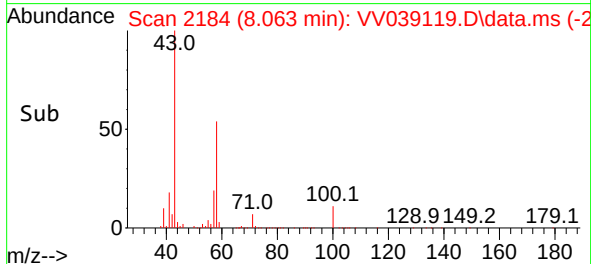
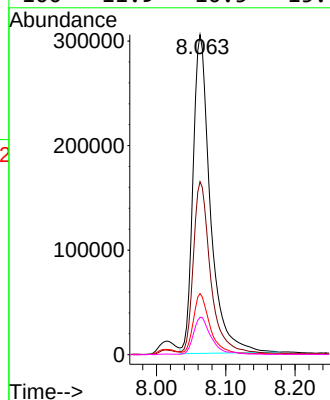
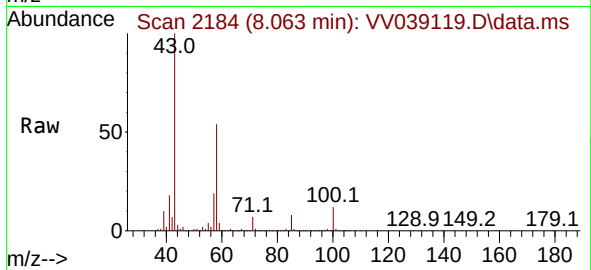


#48  
2-Hexanone  
Concen: 60.906 ug/L  
RT: 8.063 min Scan# 2184  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005358

Tgt Ion: 43 Resp: 532194

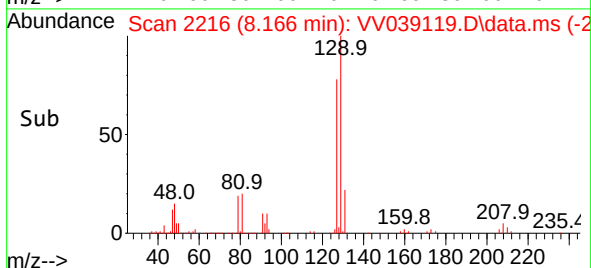
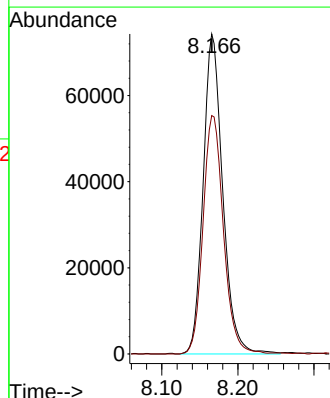
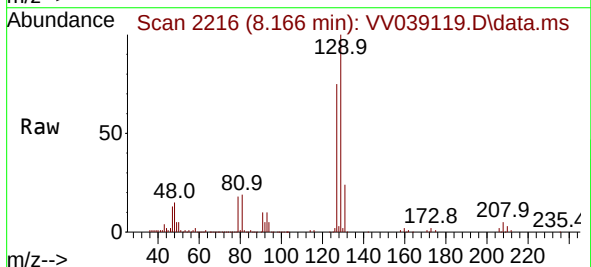
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 54.4  | 45.6  | 68.4  |
| 57  | 18.1  | 15.6  | 23.4  |
| 100 | 11.9  | 10.5  | 15.7  |

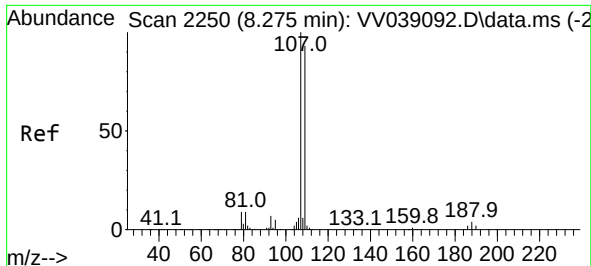


#49  
Dibromochloromethane  
Concen: 5.200 ug/L  
RT: 8.166 min Scan# 2216  
Delta R.T. -0.003 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Tgt Ion: 129 Resp: 132606

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 74.5  | 56.7  | 105.3 |





#50

1,2-Dibromoethane

Concen: 5.331 ug/L

RT: 8.275 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005358

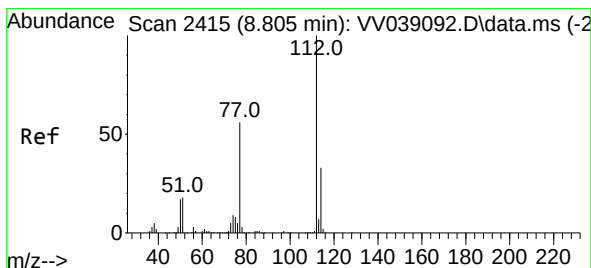
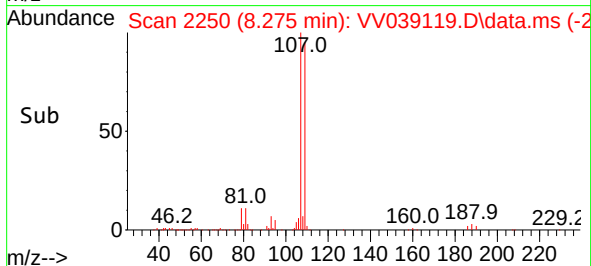
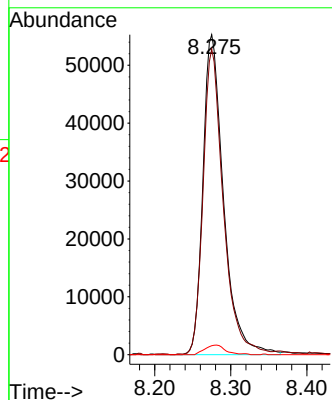
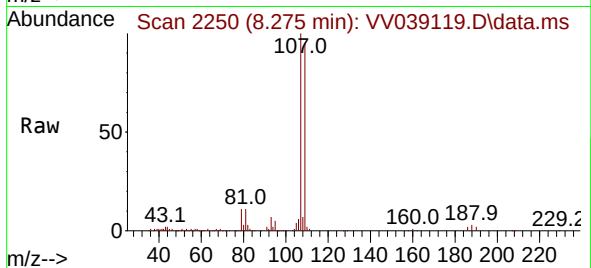
Tgt Ion:107 Resp: 104202

Ion Ratio Lower Upper

107 100

109 95.5 67.1 124.7

188 2.8 2.5 3.7



#51

Chlorobenzene

Concen: 5.314 ug/L

RT: 8.802 min Scan# 2414

Delta R.T. -0.003 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

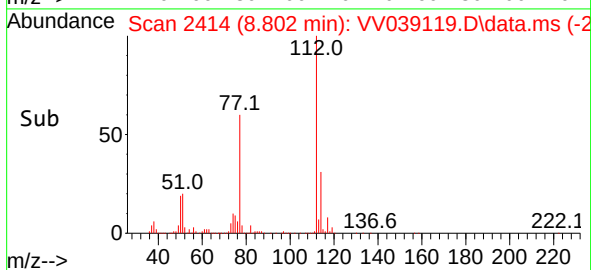
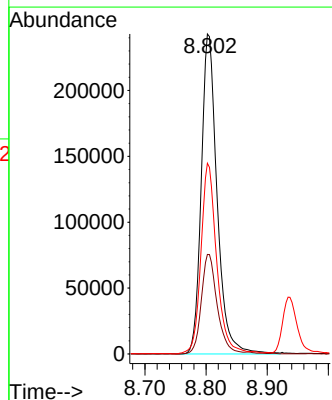
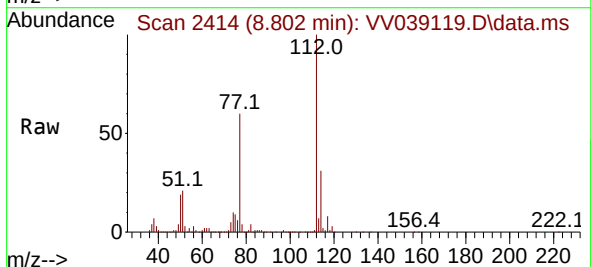
Tgt Ion:112 Resp: 437256

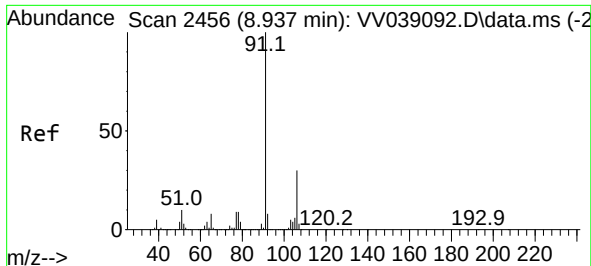
Ion Ratio Lower Upper

112 100

114 31.1 23.0 42.6

77 59.6 46.6 69.8

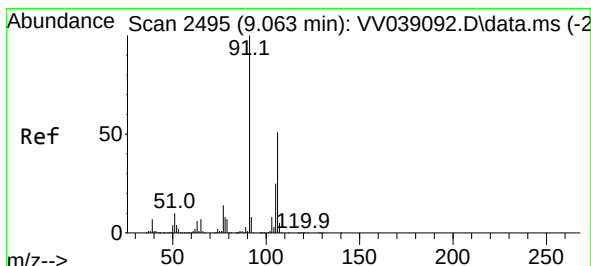
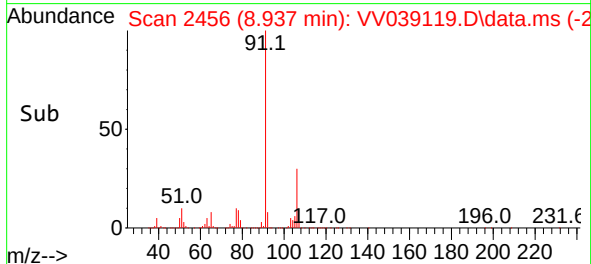
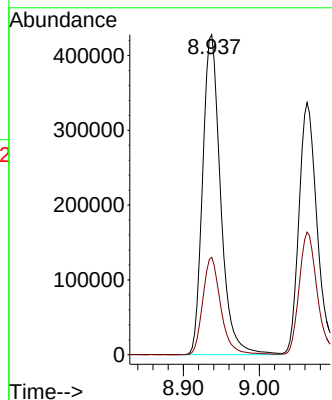
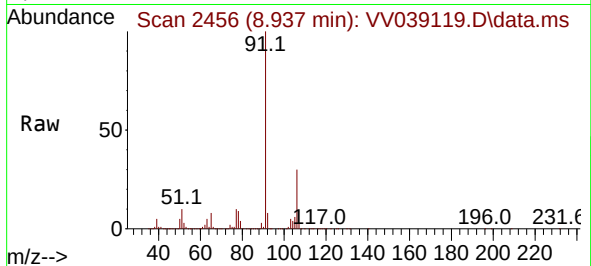




#52  
Ethylbenzene  
Concen: 5.345 ug/L  
RT: 8.937 min Scan# 2456  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

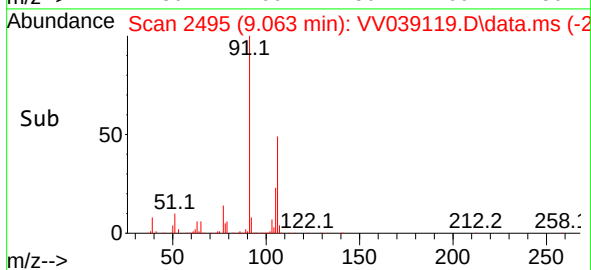
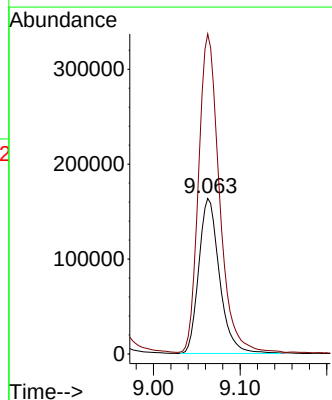
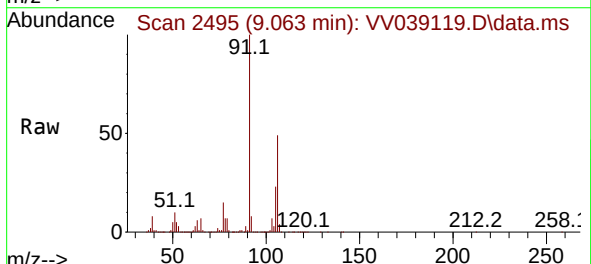
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005358

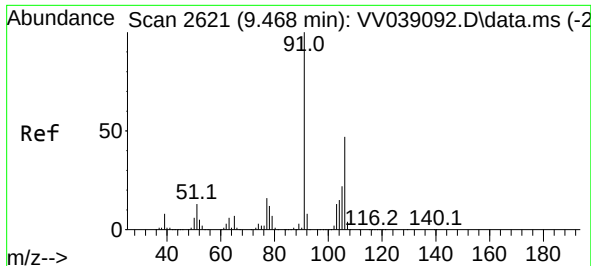
Tgt Ion: 91 Resp: 702062  
Ion Ratio Lower Upper  
91 100  
106 30.4 20.8 38.6



#53  
m,p-Xylene  
Concen: 5.304 ug/L  
RT: 9.063 min Scan# 2495  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Tgt Ion:106 Resp: 270970  
Ion Ratio Lower Upper  
106 100  
91 205.7 140.1 260.3

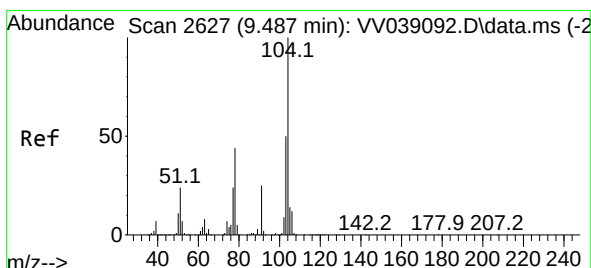
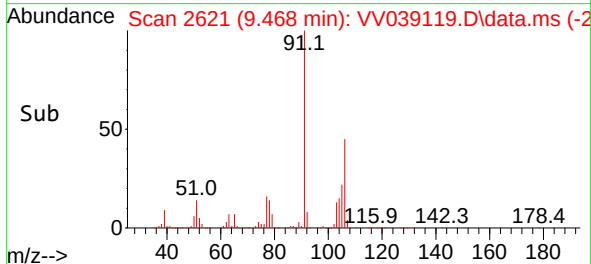
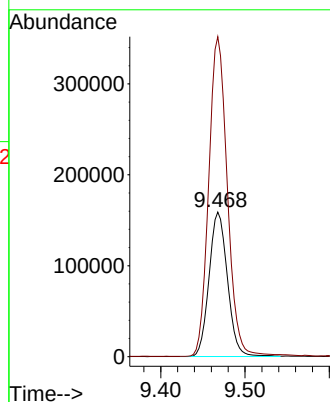
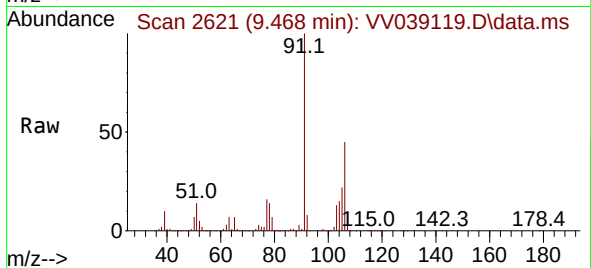




#54  
o-Xylene  
Concen: 5.152 ug/L  
RT: 9.468 min Scan# 2621  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

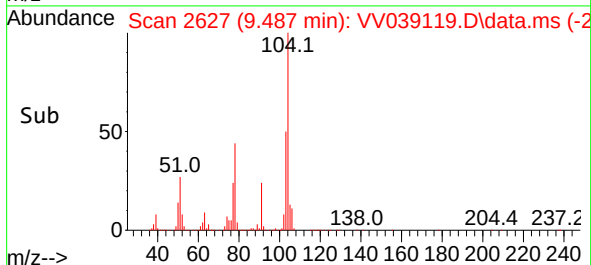
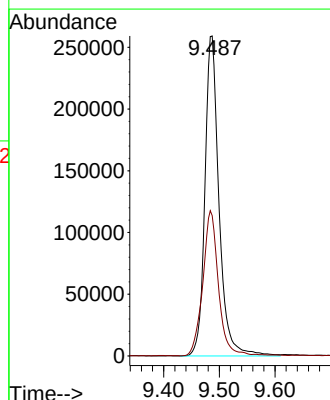
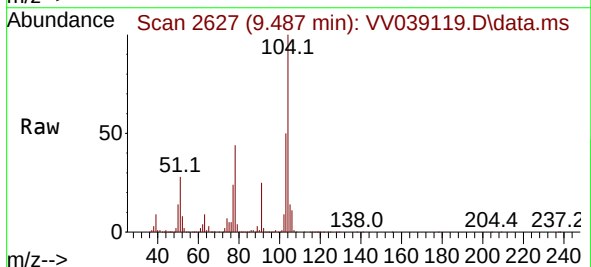
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005358

Tgt Ion:106 Resp: 241453  
Ion Ratio Lower Upper  
106 100  
91 221.3 150.7 279.9

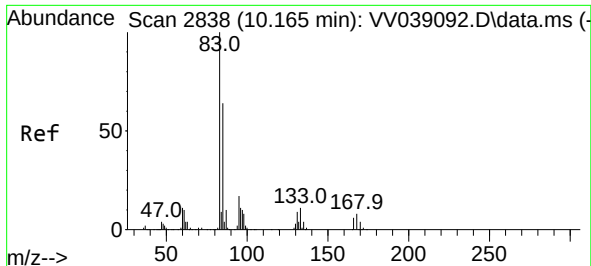


#55  
Styrene  
Concen: 5.528 ug/L  
RT: 9.487 min Scan# 2627  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Tgt Ion:104 Resp: 457768  
Ion Ratio Lower Upper  
104 100  
78 43.9 29.9 55.5







#57

1,1,2,2-Tetrachloroethane

Concen: 5.400 ug/L

RT: 10.165 min Scan# 2838

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005358

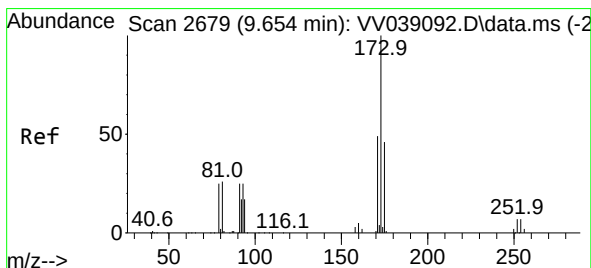
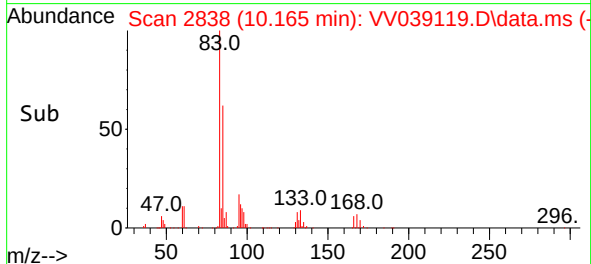
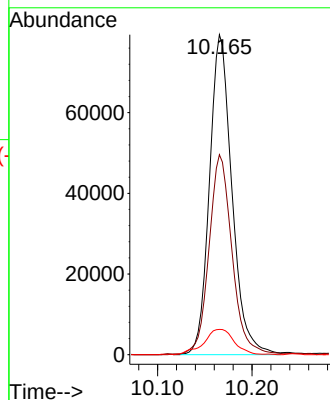
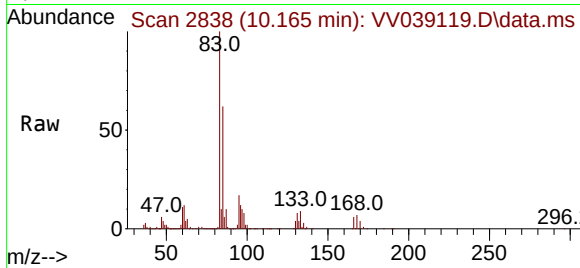
Tgt Ion: 83 Resp: 131109

Ion Ratio Lower Upper

83 100

85 62.5 45.4 84.4

131 7.9 7.2 10.8



#59

Bromoform

Concen: 4.795 ug/L

RT: 9.654 min Scan# 2679

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

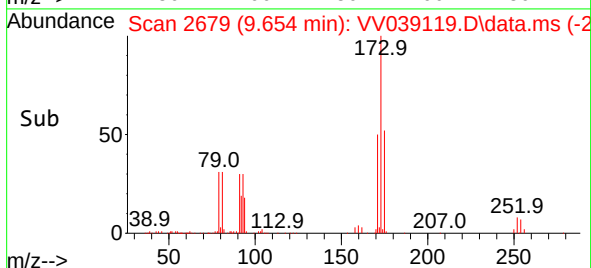
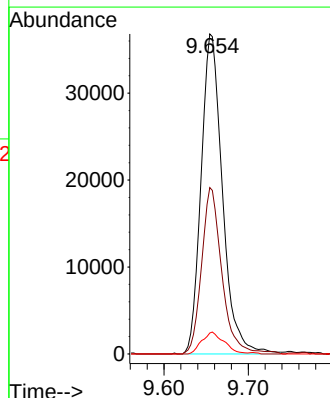
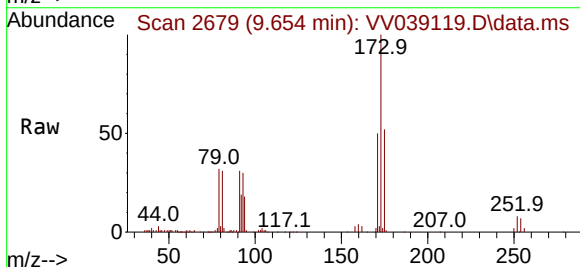
Tgt Ion: 173 Resp: 64988

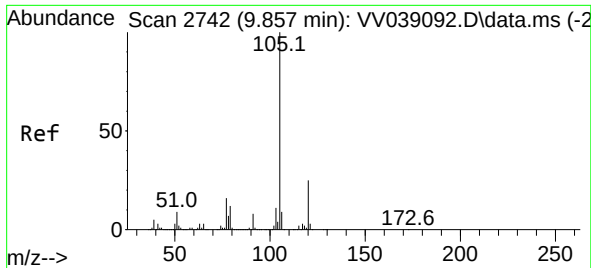
Ion Ratio Lower Upper

173 100

175 49.5 38.8 58.2

254 7.2 6.8 10.2

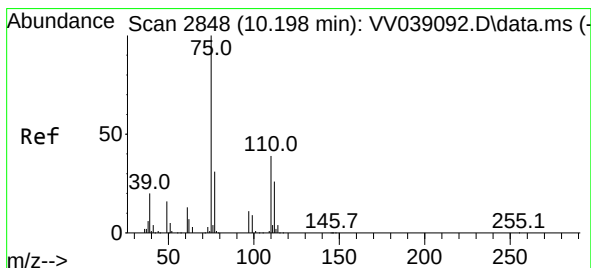
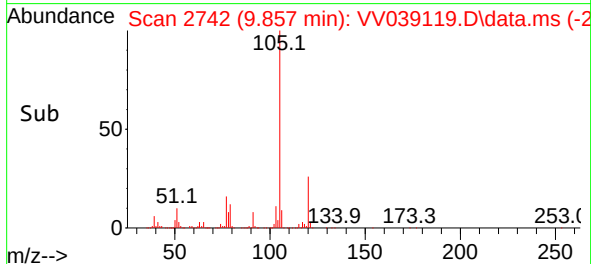
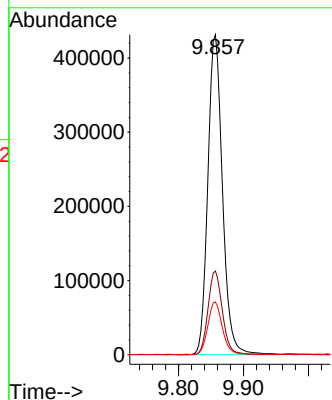
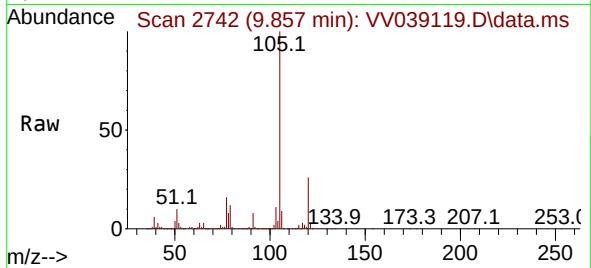




#60  
Isopropylbenzene  
Concen: 5.293 ug/L  
RT: 9.857 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

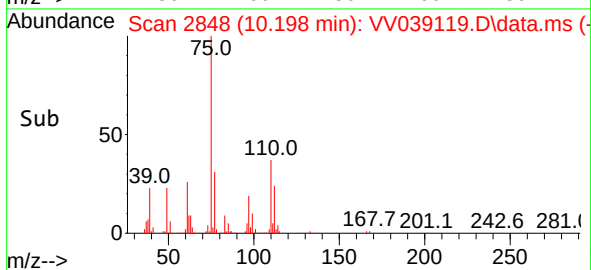
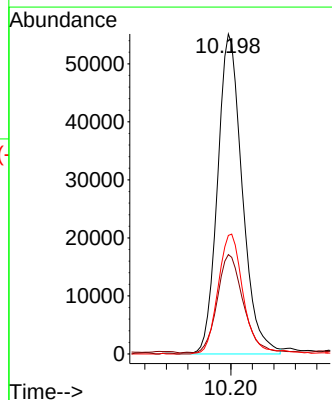
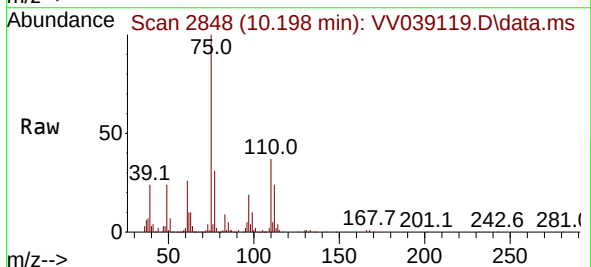
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005358

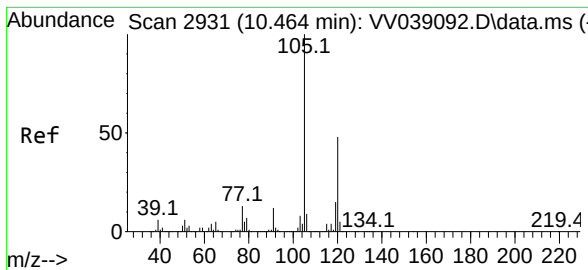
Tgt Ion:105 Resp: 676402  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.8 31.2  
77 16.2 12.5 18.7



#61  
1,2,3-Trichloropropane  
Concen: 5.461 ug/L  
RT: 10.198 min Scan# 2848  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Tgt Ion: 75 Resp: 87893  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.1 37.7  
110 38.6 31.0 46.4

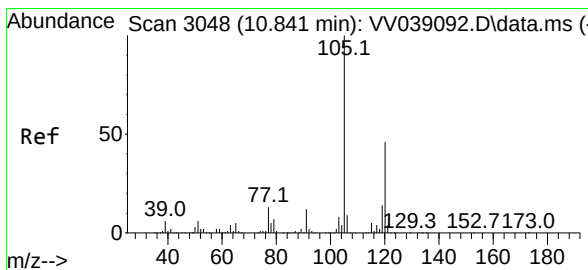
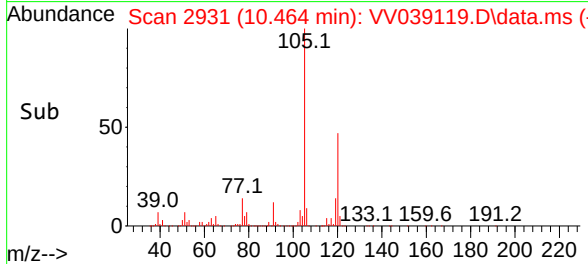
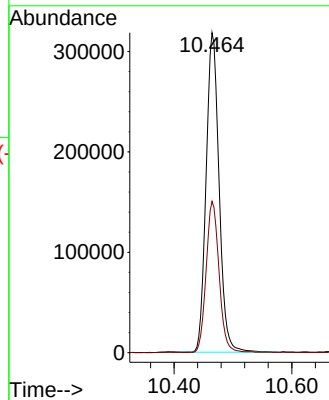
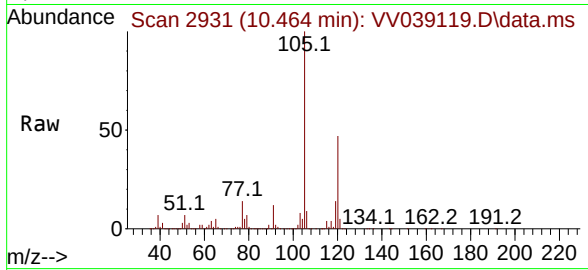




#62  
 1,3,5-Trimethylbenzene  
 Concen: 4.972 ug/L  
 RT: 10.464 min Scan# 2931  
 Delta R.T. 0.000 min  
 Lab File: VV039119.D  
 Acq: 17 Sep 2025 09:29

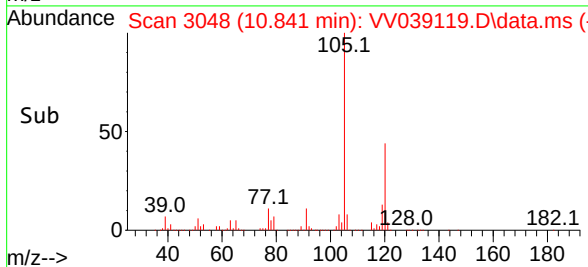
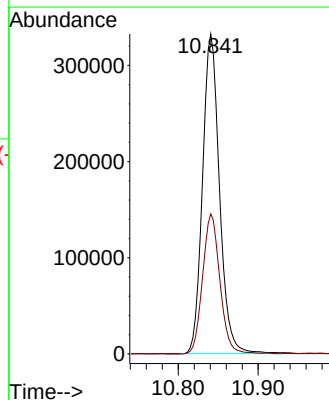
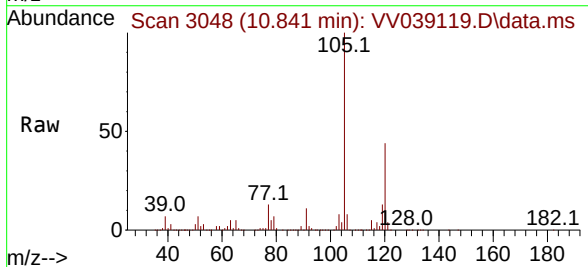
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005358

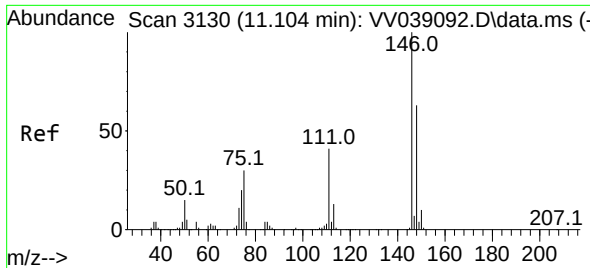
Tgt Ion:105 Resp: 487805  
 Ion Ratio Lower Upper  
 105 100  
 120 47.1 39.1 58.7



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.109 ug/L  
 RT: 10.841 min Scan# 3048  
 Delta R.T. 0.000 min  
 Lab File: VV039119.D  
 Acq: 17 Sep 2025 09:29

Tgt Ion:105 Resp: 492336  
 Ion Ratio Lower Upper  
 105 100  
 120 44.6 36.6 54.8

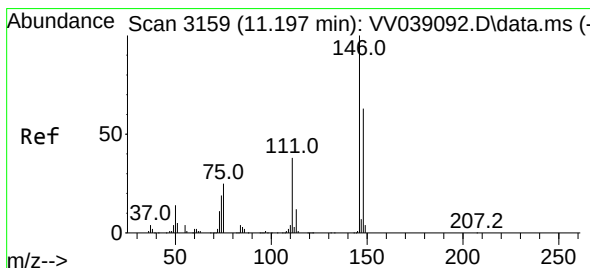
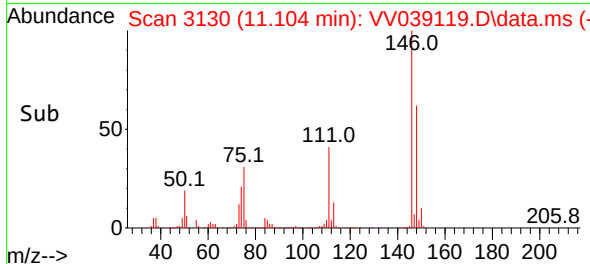
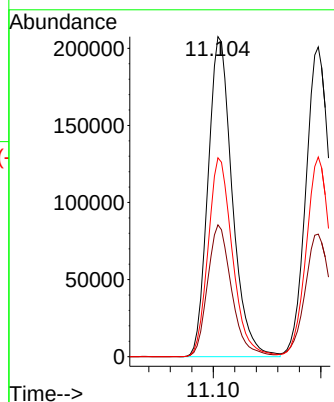
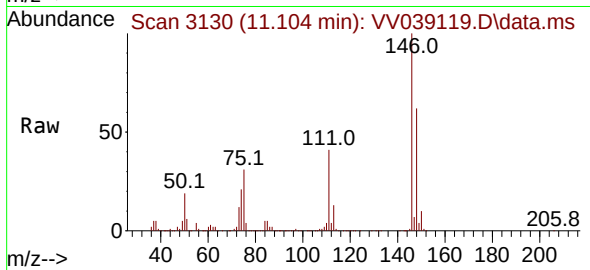




#64  
1,3-Dichlorobenzene  
Concen: 5.207 ug/L  
RT: 11.104 min Scan# 3130  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

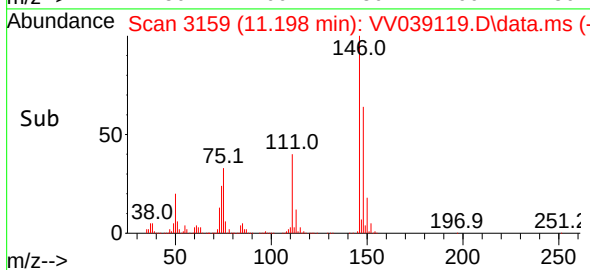
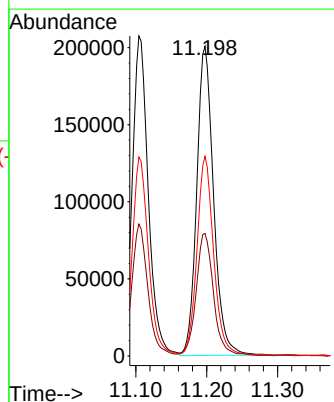
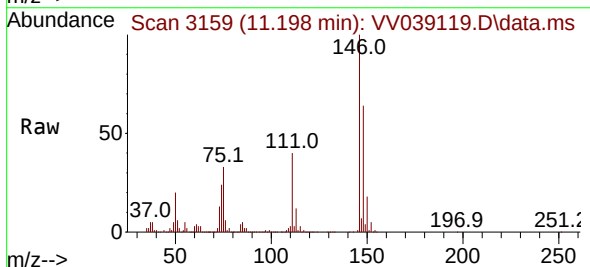
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005358

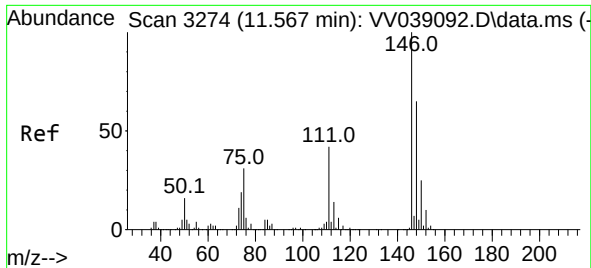
Tgt Ion:146 Resp: 324722  
Ion Ratio Lower Upper  
146 100  
111 41.2 28.3 52.7  
148 62.2 42.9 79.7



#65  
1,4-Dichlorobenzene  
Concen: 5.139 ug/L  
RT: 11.198 min Scan# 3159  
Delta R.T. 0.000 min  
Lab File: VV039119.D  
Acq: 17 Sep 2025 09:29

Tgt Ion:146 Resp: 331504  
Ion Ratio Lower Upper  
146 100  
111 39.6 27.2 50.6  
148 64.5 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 5.142 ug/L

RT: 11.567 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005358

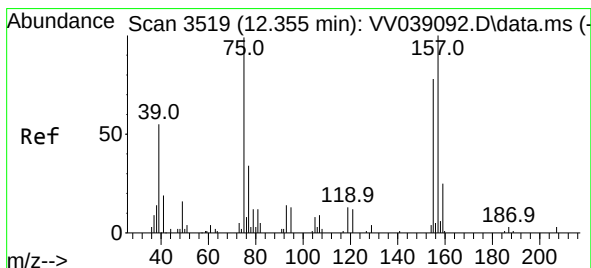
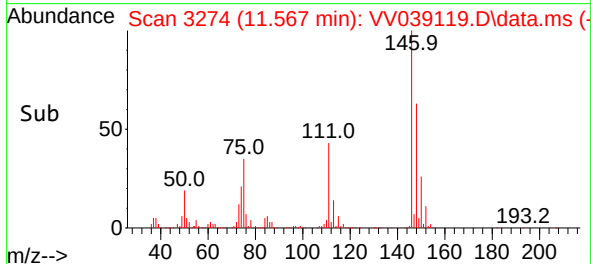
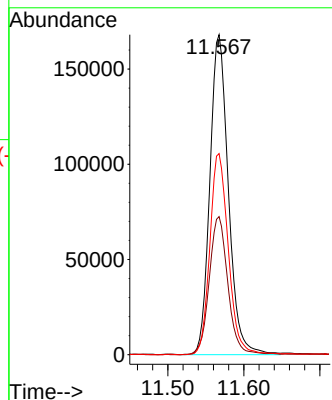
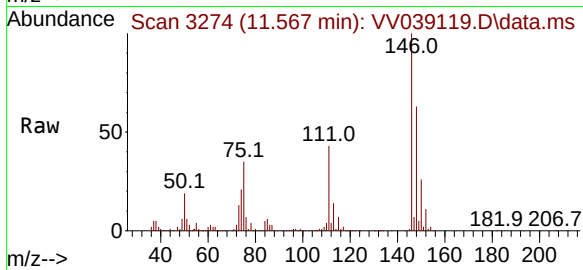
Tgt Ion:146 Resp: 284119

Ion Ratio Lower Upper

146 100

111 43.1 33.4 50.2

148 62.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.004 ug/L

RT: 12.355 min Scan# 3519

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

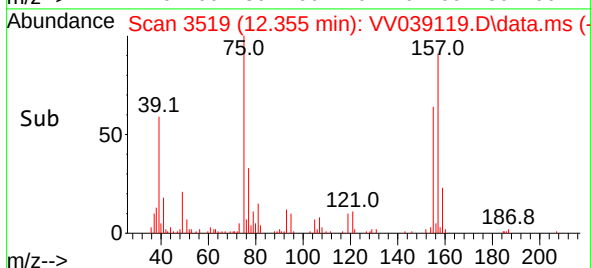
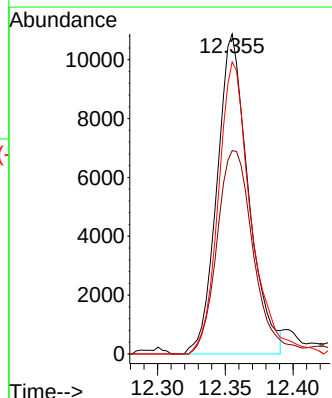
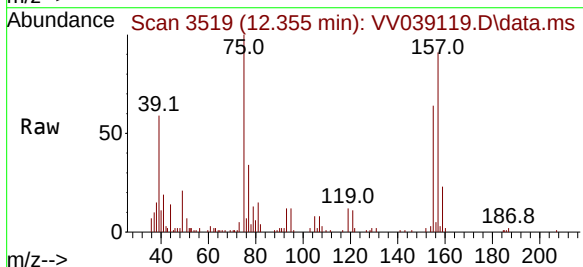
Tgt Ion: 75 Resp: 17545

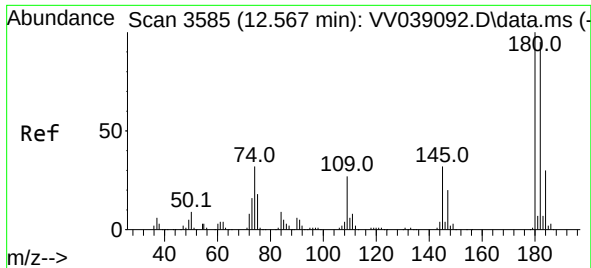
Ion Ratio Lower Upper

75 100

155 63.5 59.4 89.0

157 91.3 76.2 114.2

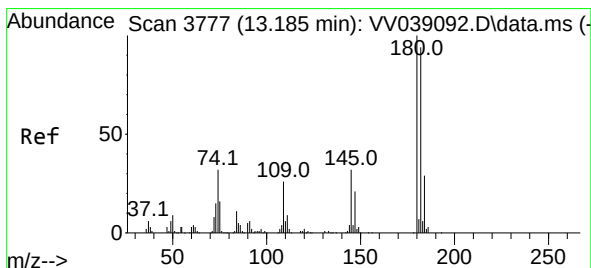
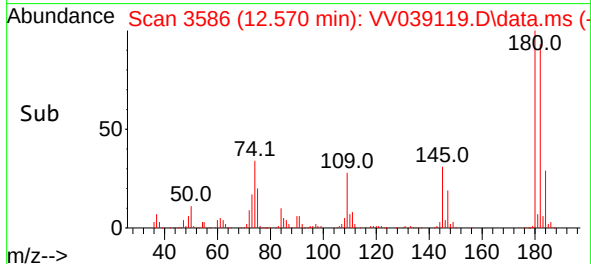
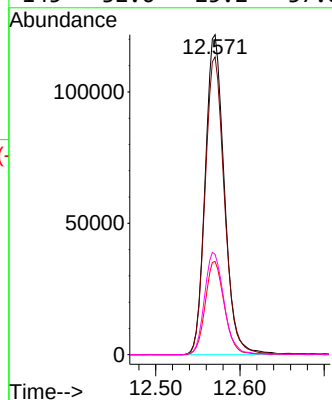
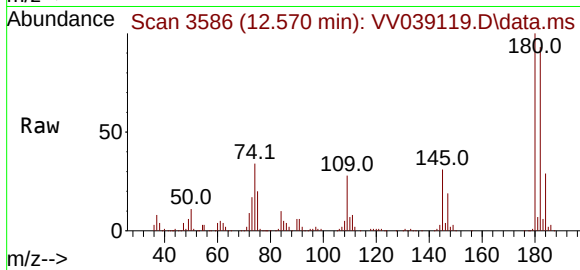




#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.717 ug/L  
 RT: 12.570 min Scan# 3585  
 Delta R.T. 0.003 min  
 Lab File: VV039119.D  
 Acq: 17 Sep 2025 09:29

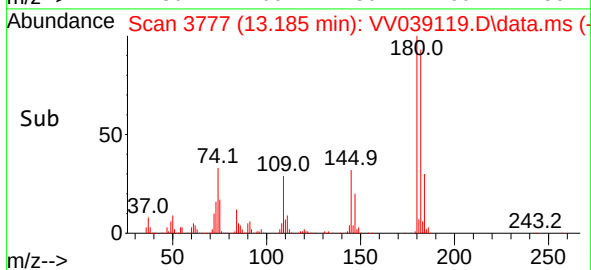
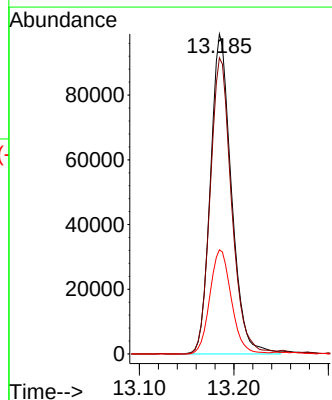
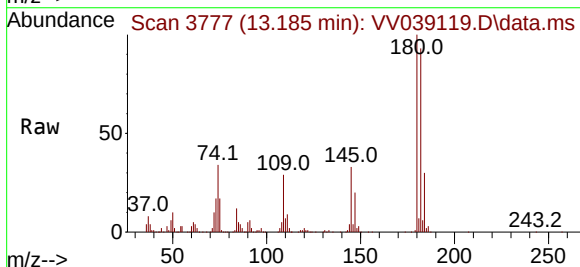
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005358

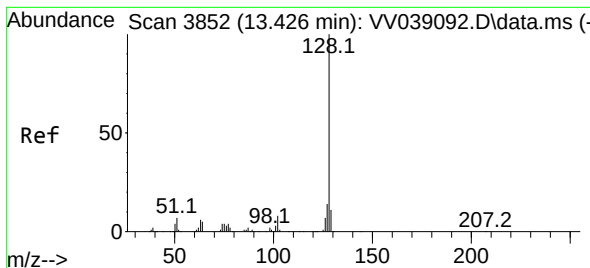
Tgt Ion:180 Resp: 192742  
 Ion Ratio Lower Upper  
 180 100  
 182 94.2 76.3 114.5  
 184 29.1 24.0 36.0  
 145 32.6 25.2 37.8



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.947 ug/L  
 RT: 13.185 min Scan# 3777  
 Delta R.T. 0.000 min  
 Lab File: VV039119.D  
 Acq: 17 Sep 2025 09:29

Tgt Ion:180 Resp: 152209  
 Ion Ratio Lower Upper  
 180 100  
 182 94.3 73.2 109.8  
 145 33.4 25.0 37.4





#71

Naphthalene

Concen: 4.624 ug/L

RT: 13.426 min Scan# 3852

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005358

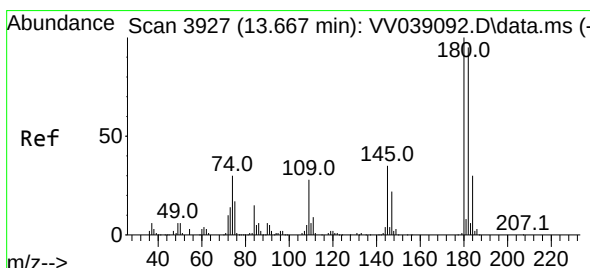
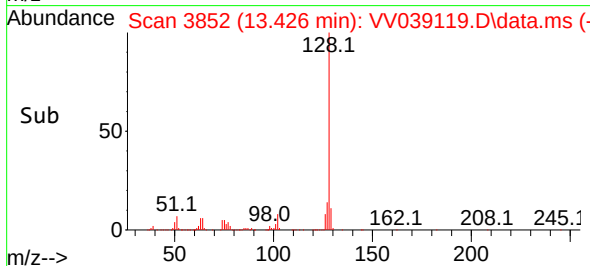
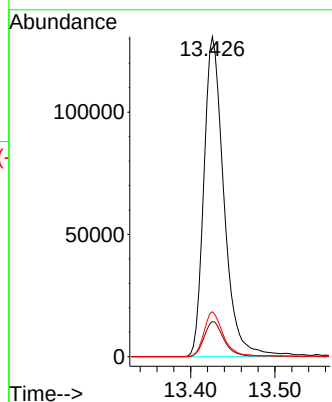
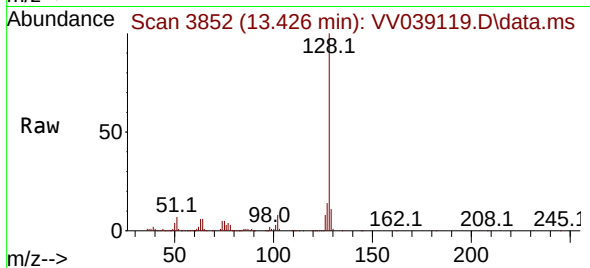
Tgt Ion:128 Resp: 216782

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.5 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 5.007 ug/L

RT: 13.667 min Scan# 3927

Delta R.T. 0.000 min

Lab File: VV039119.D

Acq: 17 Sep 2025 09:29

Tgt Ion:180 Resp: 137360

Ion Ratio Lower Upper

180 100

182 96.1 76.6 115.0

145 35.7 27.4 41.2

