

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092925\  
 Data File : VV039240.D  
 Acq On : 29 Sep 2025 18:23  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Sep 30 01:31:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V092225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 24 08:08:08 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 4.600  | 168  | 588003   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.532  | 114  | 900266   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 8.776  | 117  | 866177   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.172 | 152  | 543818   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 4.941  | 65    | 367351   | 43.166   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 81 - 118 | Recovery | =    | 86.340%  |
| 35) Dibromofluoromethane  | 4.500  | 113   | 365150   | 50.453   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 80 - 119 | Recovery | =    | 100.900% |
| 50) Toluene-d8            | 7.236  | 98    | 1035679  | 48.723   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 89 - 112 | Recovery | =    | 97.440%  |
| 62) 4-Bromofluorobenzene  | 10.001 | 95    | 490511   | 56.054   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 85 - 114 | Recovery | =    | 112.100% |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.121 | 85  | 360835  | 38.766  | ug/l | 99     |
| 3) Chloromethane             | 1.227 | 50  | 379522  | 37.981  | ug/l | 100    |
| 4) Vinyl Chloride            | 1.294 | 62  | 426368  | 39.857  | ug/l | 99     |
| 5) Bromomethane              | 1.494 | 94  | 276548  | 41.008  | ug/l | 98     |
| 6) Chloroethane              | 1.558 | 64  | 276365  | 43.431  | ug/l | 98     |
| 7) Trichlorofluoromethane    | 1.725 | 101 | 661311  | 42.698  | ug/l | 99     |
| 8) Diethyl Ether             | 1.918 | 74  | 246769  | 42.919  | ug/l | 93     |
| 9) 1,1,2-Trichlorotrifluo... | 2.079 | 101 | 395880  | 42.958  | ug/l | 97     |
| 10) Methyl Iodide            | 2.198 | 142 | 451897  | 51.493  | ug/l | 99     |
| 11) Tert butyl alcohol       | 2.571 | 59  | 401307  | 223.116 | ug/l | 98     |
| 12) 1,1-Dichloroethene       | 2.082 | 96  | 378457  | 42.689  | ug/l | 92     |
| 13) Acrolein                 | 2.008 | 56  | 55846   | 178.935 | ug/l | 97     |
| 14) Allyl chloride           | 2.355 | 41  | 640477  | 40.443  | ug/l | 96     |
| 15) Acrylonitrile            | 2.674 | 53  | 1218525 | 211.335 | ug/l | 98     |
| 16) Acetone                  | 2.118 | 43  | 961682  | 178.292 | ug/l | 98     |
| 17) Carbon Disulfide         | 2.253 | 76  | 1006796 | 37.133  | ug/l | 99     |
| 18) Methyl Acetate           | 2.378 | 43  | 603055  | 47.827  | ug/l | 96     |
| 19) Methyl tert-butyl Ether  | 2.712 | 73  | 1254836 | 44.418  | ug/l | 100    |
| 20) Methylene Chloride       | 2.455 | 84  | 437203  | 47.362  | ug/l | 92     |
| 21) trans-1,2-Dichloroethene | 2.700 | 96  | 401387  | 42.529  | ug/l | 95     |
| 22) Diisopropyl ether        | 3.217 | 45  | 1268867 | 41.878  | ug/l | 98     |
| 23) Vinyl Acetate            | 3.188 | 43  | 5485185 | 206.945 | ug/l | 97     |
| 24) 1,1-Dichloroethane       | 3.118 | 63  | 748517  | 40.397  | ug/l | 98     |
| 25) 2-Butanone               | 3.867 | 43  | 1429691 | 209.796 | ug/l | 97     |
| 26) 2,2-Dichloropropane      | 3.812 | 77  | 558625  | 34.002  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene   | 3.822 | 96  | 450788  | 43.307  | ug/l | 95     |
| 28) Bromochloromethane       | 4.146 | 49  | 348712  | 42.630  | ug/l | 90     |
| 29) Tetrahydrofuran          | 4.236 | 42  | 948151  | 222.285 | ug/l | 95     |
| 30) Chloroform               | 4.278 | 83  | 785627  | 40.605  | ug/l | 100    |
| 31) Cyclohexane              | 4.584 | 56  | 565338  | 37.246  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane    | 4.513 | 97  | 685653  | 40.933  | ug/l | 98     |
| 36) 1,1-Dichloropropene      | 4.744 | 75  | 491719  | 44.938  | ug/l | 99     |
| 37) Ethyl Acetate            | 3.979 | 43  | 562043  | 42.330  | ug/l | 96     |
| 38) Carbon Tetrachloride     | 4.735 | 117 | 584016  | 43.671  | ug/l | 99     |
| 39) Methylcyclohexane        | 6.047 | 83  | 575745  | 43.570  | ug/l | 99     |
| 40) Benzene                  | 5.008 | 78  | 1618097 | 45.412  | ug/l | 100    |

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 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Sep 30 01:31:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V092225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 24 08:08:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.159  | 41   | 266048   | 44.534  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 5.040  | 62   | 537982   | 43.090  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.195  | 43   | 848888   | 46.890  | ug/l   | 98       |
| 44) Trichloroethene           | 5.831  | 130  | 391062   | 47.562  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 6.088  | 63   | 404855   | 45.712  | ug/l   | 97       |
| 46) Dibromomethane            | 6.223  | 93   | 312602   | 46.116  | ug/l   | 94       |
| 47) Bromodichloromethane      | 6.426  | 83   | 633297   | 45.191  | ug/l   | 97       |
| 48) Methyl methacrylate       | 6.297  | 41   | 397638   | 48.454  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 6.291  | 88   | 124995   | 943.826 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 7.150  | 43   | 2996905  | 251.628 | ug/l   | 97       |
| 52) Toluene                   | 7.307  | 92   | 1021553  | 49.447  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 7.574  | 75   | 593107   | 48.565  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 6.947  | 75   | 651440   | 48.318  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 7.760  | 97   | 439648   | 47.461  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 7.715  | 69   | 598387   | 54.394  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 7.934  | 76   | 683754   | 46.771  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 6.812  | 63   | 1245486  | 202.413 | ug/l   | 97       |
| 59) 2-Hexanone                | 8.063  | 43   | 2223832  | 231.492 | ug/l   | 97       |
| 60) Dibromochloromethane      | 8.166  | 129  | 506852   | 48.019  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 8.272  | 107  | 462516   | 48.822  | ug/l   | 99       |
| 64) Tetrachloroethene         | 7.895  | 164  | 348240   | 48.000  | ug/l   | 99       |
| 65) Chlorobenzene             | 8.802  | 112  | 1132376  | 46.934  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 8.899  | 131  | 416105   | 47.731  | ug/l   | 99       |
| 67) Ethyl Benzene             | 8.937  | 91   | 1856667  | 50.838  | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.063  | 106  | 1520585  | 107.875 | ug/l   | 99       |
| 69) o-Xylene                  | 9.468  | 106  | 674798   | 54.066  | ug/l   | 99       |
| 70) Styrene                   | 9.484  | 104  | 1279362  | 48.430  | ug/l   | 99       |
| 71) Bromoform                 | 9.654  | 173  | 354063   | 51.995  | ug/l # | 99       |
| 73) Isopropylbenzene          | 9.857  | 105  | 1848710  | 46.870  | ug/l   | 99       |
| 74) N-amyl acetate            | 9.725  | 43   | 773873   | 49.187  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 10.165 | 83   | 703973   | 40.734  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.198 | 75   | 530357   | 42.833  | ug/l   | 98       |
| 77) Bromobenzene              | 10.140 | 156  | 481573   | 47.059  | ug/l   | 93       |
| 78) n-propylbenzene           | 10.278 | 91   | 2238148  | 46.597  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 10.346 | 91   | 1357873  | 47.245  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 10.464 | 105  | 1582851  | 48.280  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 9.928  | 75   | 227792   | 44.166  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 10.461 | 91   | 1620440  | 48.622  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 10.789 | 119  | 1505420  | 46.049  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 10.837 | 105  | 1603654  | 50.384  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.011 | 105  | 1949858  | 44.968  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 11.165 | 119  | 1659546  | 45.984  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.104 | 146  | 933520   | 45.074  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.194 | 146  | 984844   | 43.343  | ug/l   | 98       |
| 89) n-Butylbenzene            | 11.580 | 91   | 1556647  | 45.163  | ug/l   | 99       |
| 90) Hexachloroethane          | 11.818 | 117  | 334589   | 37.648  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 11.567 | 146  | 880915   | 45.526  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.349 | 75   | 149548   | 48.180  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 13.185 | 180  | 528187   | 47.619  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.368 | 225  | 211786   | 36.746  | ug/l   | 99       |
| 95) Naphthalene               | 13.423 | 128  | 1922063  | 53.612  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.664 | 180  | 544724   | 48.016  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092925\  
Data File : VV039240.D  
Acq On : 29 Sep 2025 18:23  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 21 Sample Multiplier: 1

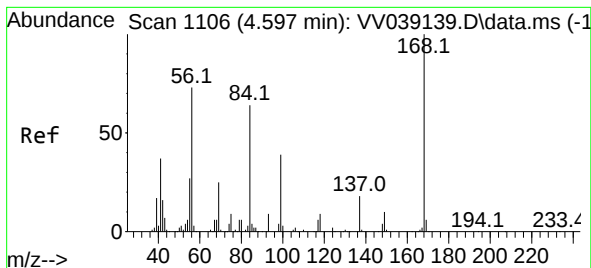
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Sep 30 01:31:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V092225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 24 08:08:08 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

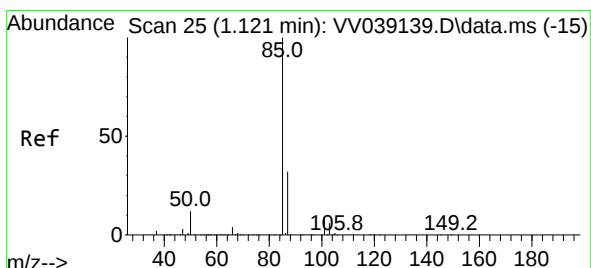
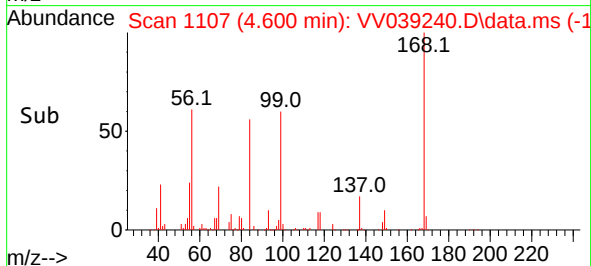
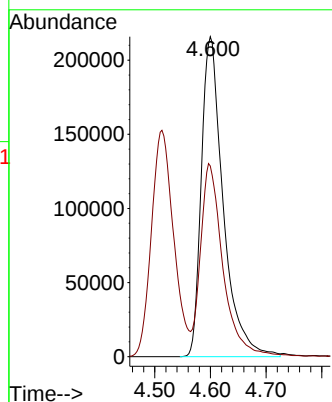
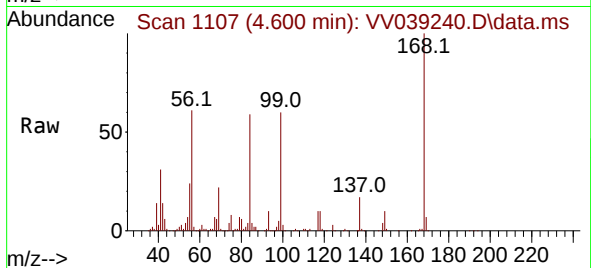




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 4.600 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

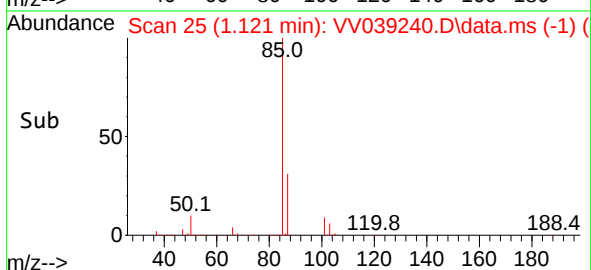
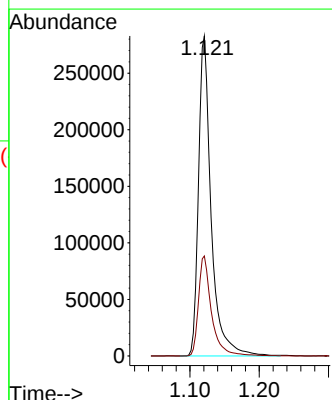
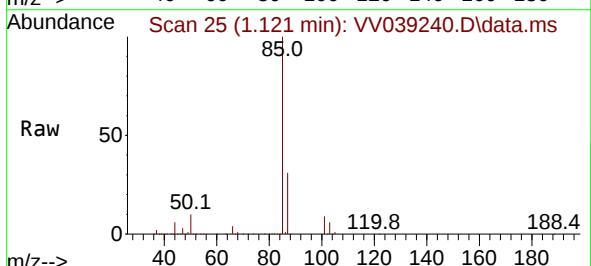
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:168 Resp: 588003  
Ion Ratio Lower Upper  
168 100  
99 58.9 49.6 74.4



#2  
Dichlorodifluoromethane  
Concen: 38.766 ug/l  
RT: 1.121 min Scan# 25  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 85 Resp: 360835  
Ion Ratio Lower Upper  
85 100  
87 31.3 16.0 47.9

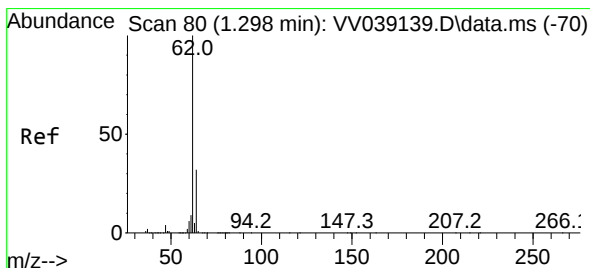
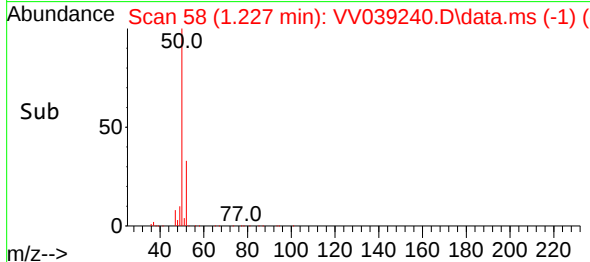
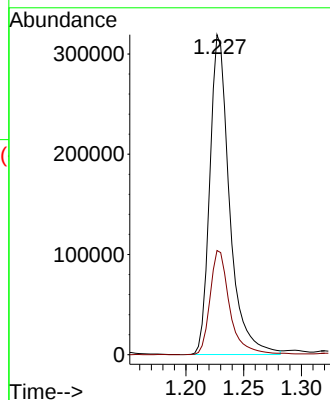
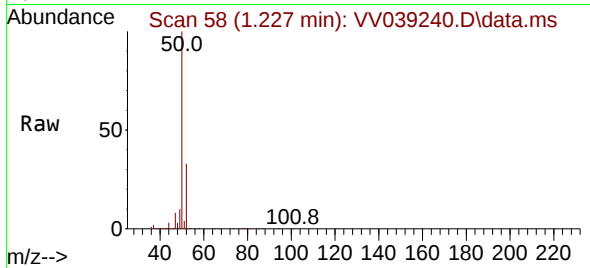




#3  
Chloromethane  
Concen: 37.981 ug/l  
RT: 1.227 min Scan# 50  
Delta R.T. -0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

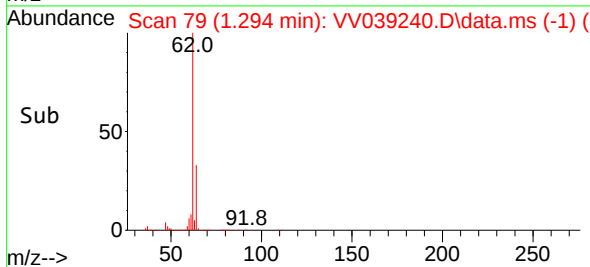
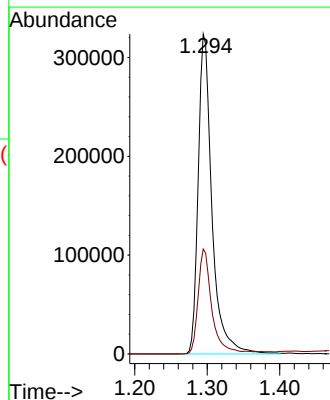
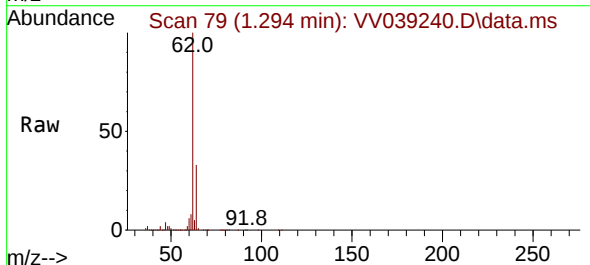
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MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

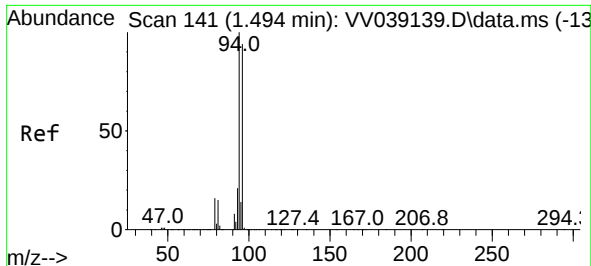
Tgt Ion: 50 Resp: 379522  
Ion Ratio Lower Upper  
50 100  
52 32.6 26.0 39.0



#4  
Vinyl Chloride  
Concen: 39.857 ug/l  
RT: 1.294 min Scan# 79  
Delta R.T. -0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 62 Resp: 426368  
Ion Ratio Lower Upper  
62 100  
64 32.8 25.6 38.4

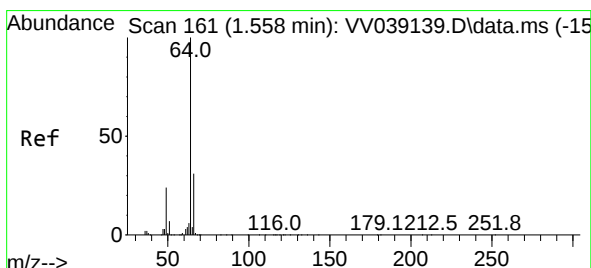
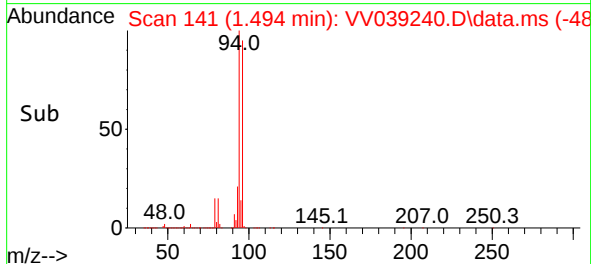
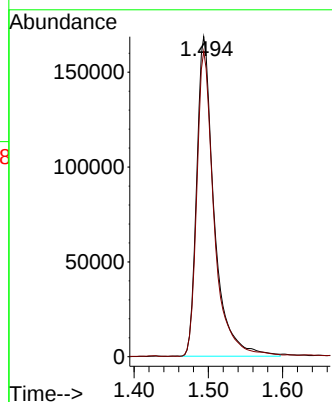
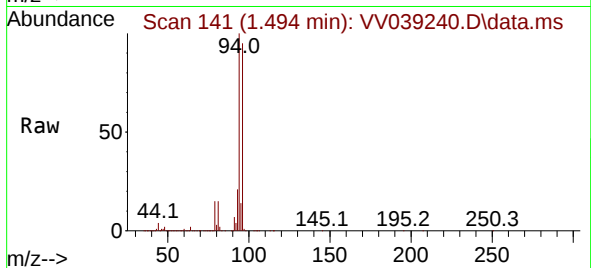




#5  
Bromomethane  
Concen: 41.008 ug/l  
RT: 1.494 min Scan# 141  
Delta R.T. -0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

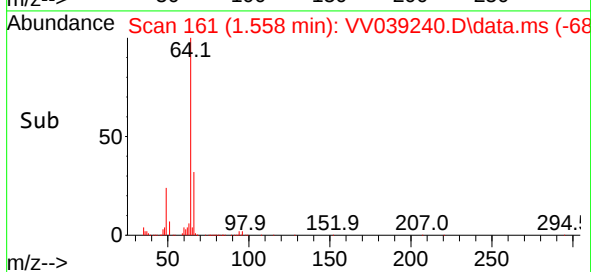
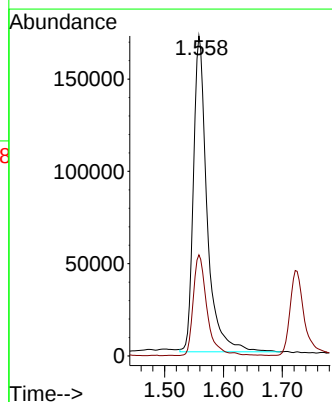
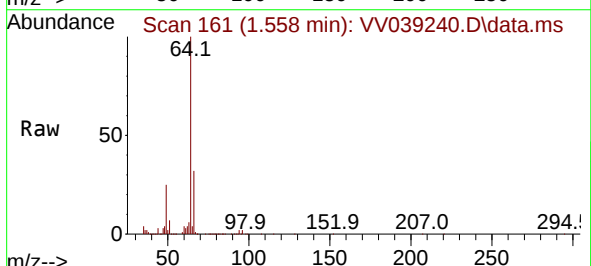
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

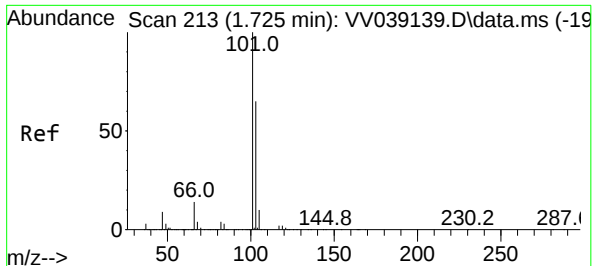
Tgt Ion: 94 Resp: 276548  
Ion Ratio Lower Upper  
94 100  
96 95.5 74.9 112.3



#6  
Chloroethane  
Concen: 43.431 ug/l  
RT: 1.558 min Scan# 161  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 64 Resp: 276365  
Ion Ratio Lower Upper  
64 100  
66 31.8 24.6 36.8

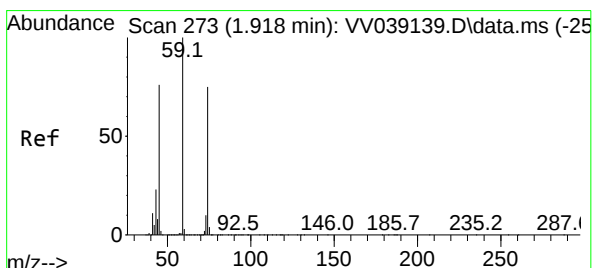
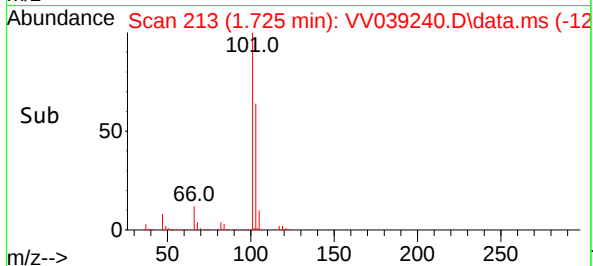
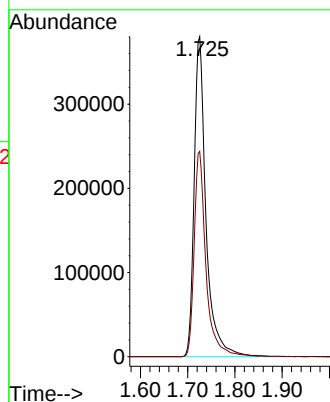
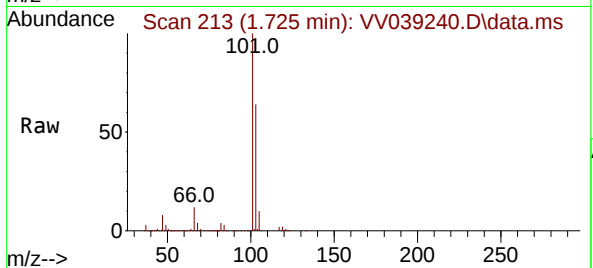




#7  
 Trichlorofluoromethane  
 Concen: 42.698 ug/l  
 RT: 1.725 min Scan# 213  
 Delta R.T. 0.000 min  
 Lab File: VV039240.D  
 Acq: 29 Sep 2025 18:23

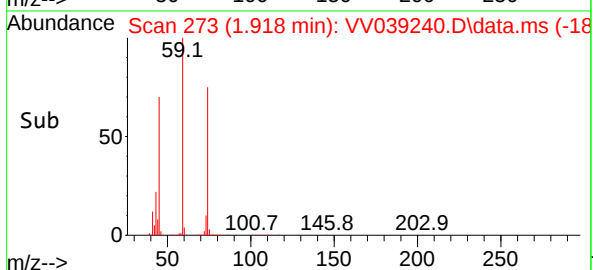
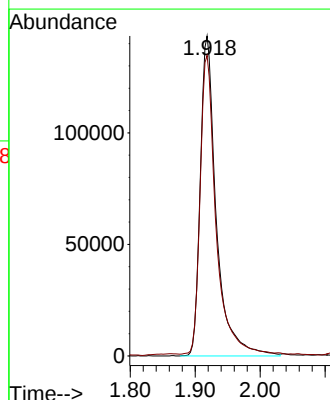
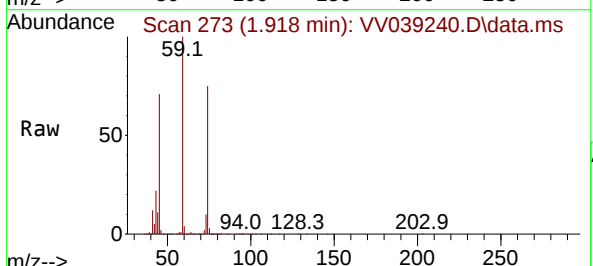
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

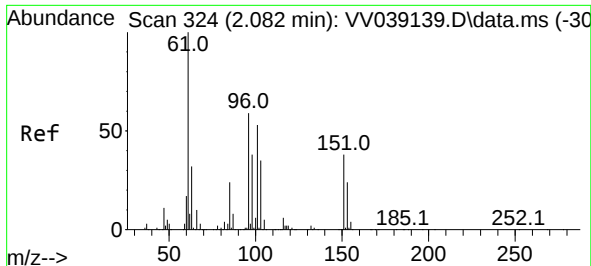
Tgt Ion:101 Resp: 661311  
 Ion Ratio Lower Upper  
 101 100  
 103 64.2 52.0 78.0



#8  
 Diethyl Ether  
 Concen: 42.919 ug/l  
 RT: 1.918 min Scan# 273  
 Delta R.T. 0.000 min  
 Lab File: VV039240.D  
 Acq: 29 Sep 2025 18:23

Tgt Ion: 74 Resp: 246769  
 Ion Ratio Lower Upper  
 74 100  
 45 92.0 49.6 148.8

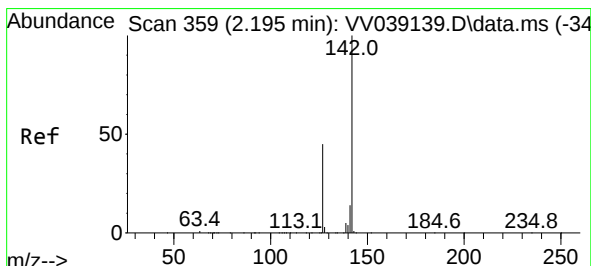
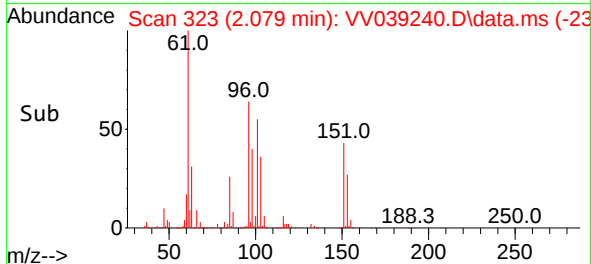
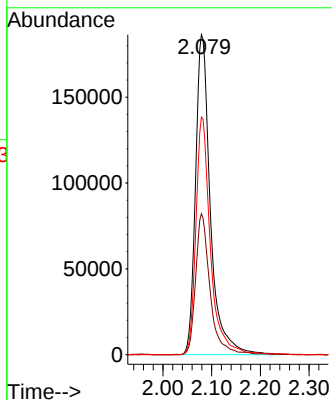
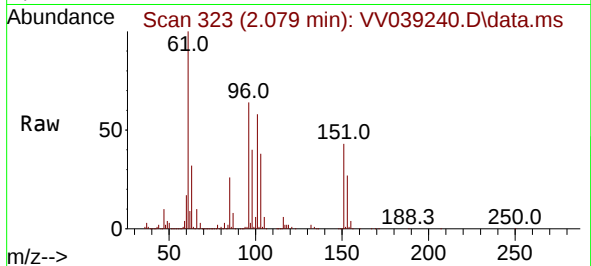




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 42.958 ug/l  
RT: 2.079 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

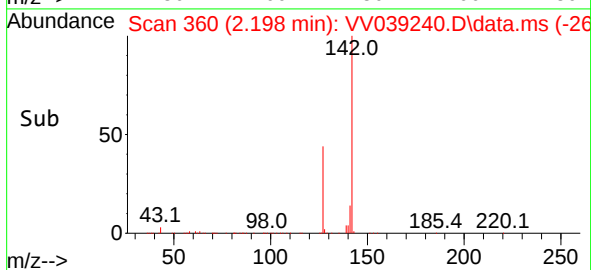
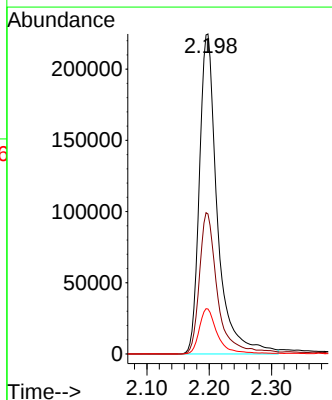
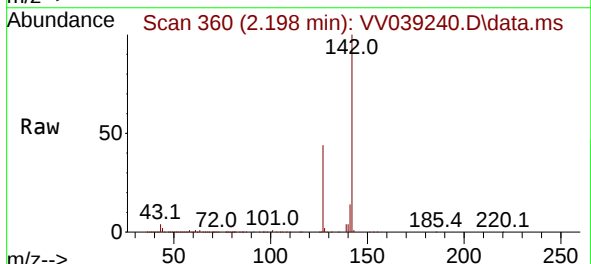
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

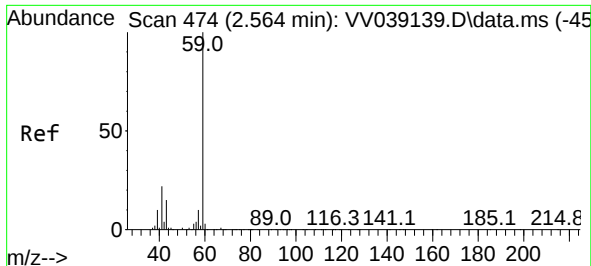
Tgt Ion:101 Resp: 395880  
Ion Ratio Lower Upper  
101 100  
85 42.5 36.2 54.2  
151 72.9 56.3 84.5



#10  
Methyl Iodide  
Concen: 51.493 ug/l  
RT: 2.198 min Scan# 360  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion:142 Resp: 451897  
Ion Ratio Lower Upper  
142 100  
127 44.7 36.3 54.5  
141 14.1 11.2 16.8

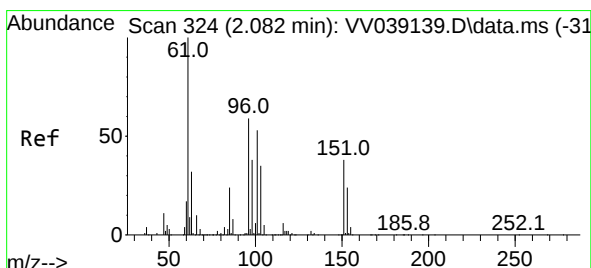
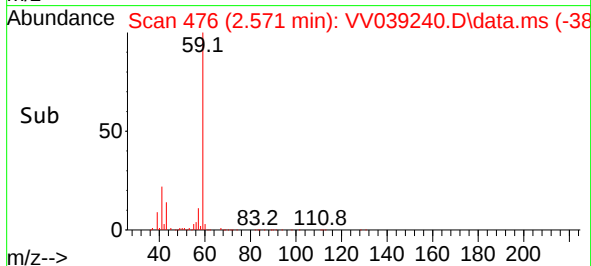
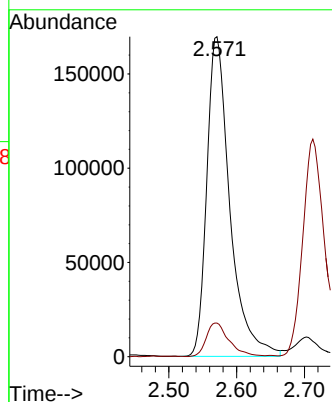
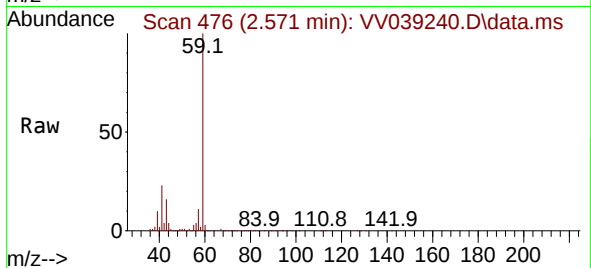




#11  
Tert butyl alcohol  
Concen: 223.116 ug/l  
RT: 2.571 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

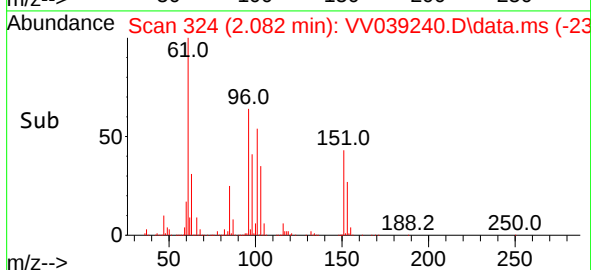
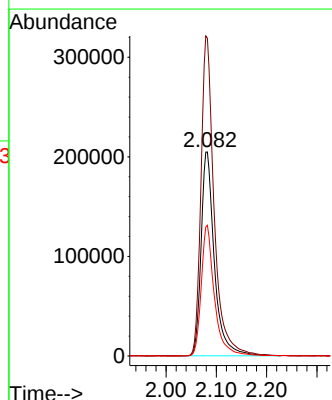
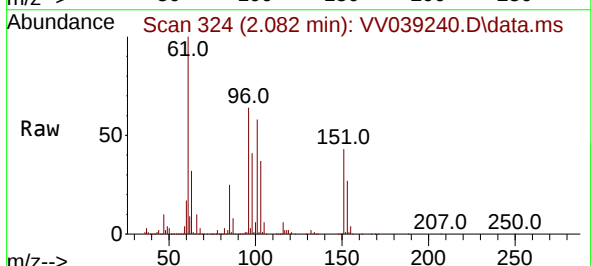
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

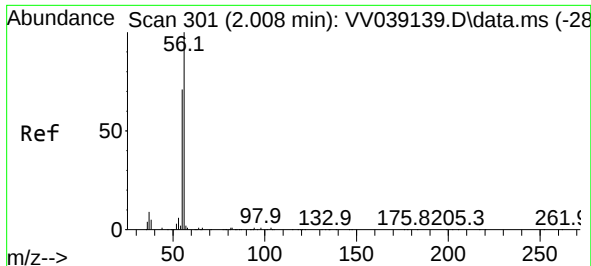
Tgt Ion: 59 Resp: 401307  
Ion Ratio Lower Upper  
59 100  
57 10.4 7.8 11.8



#12  
1,1-Dichloroethene  
Concen: 42.689 ug/l  
RT: 2.082 min Scan# 324  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 96 Resp: 378457  
Ion Ratio Lower Upper  
96 100  
61 155.9 136.0 204.0  
98 64.1 51.0 76.6

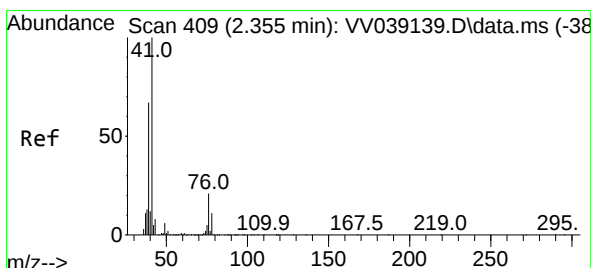
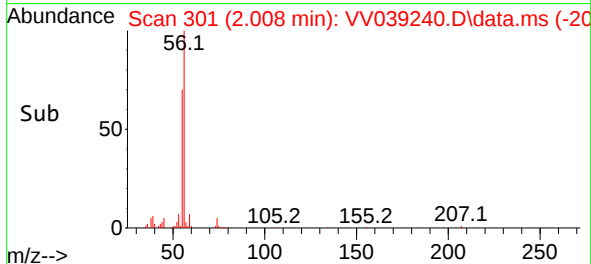
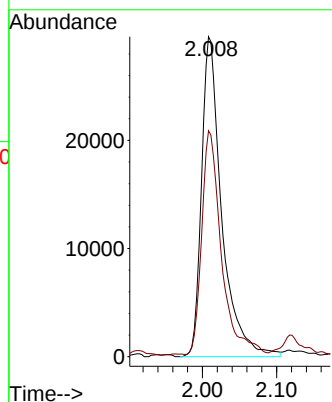
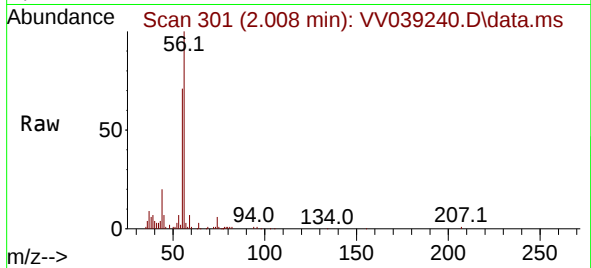




#13  
Acrolein  
Concen: 178.935 ug/l  
RT: 2.008 min Scan# 301  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

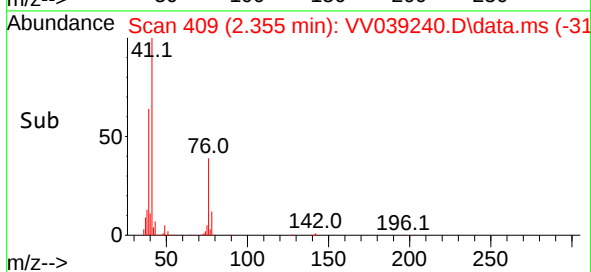
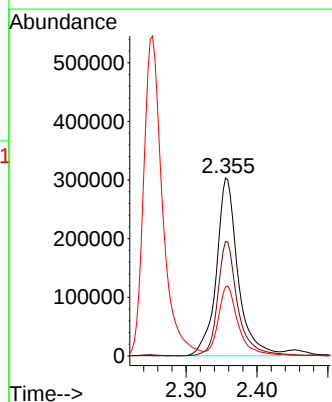
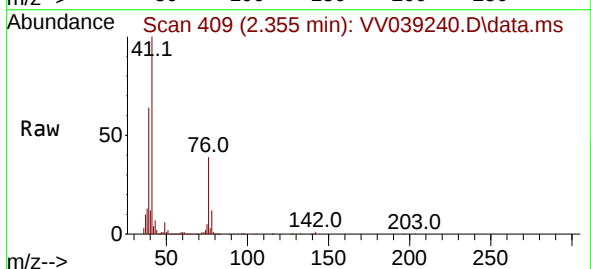
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

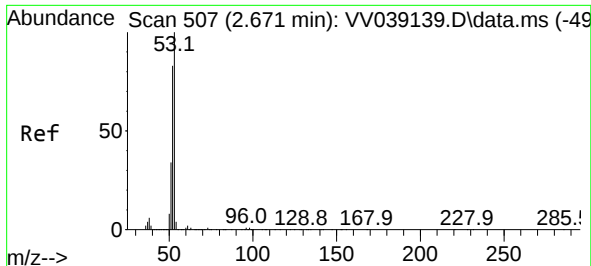
Tgt Ion: 56 Resp: 55846  
Ion Ratio Lower Upper  
56 100  
55 67.9 56.2 84.4



#14  
Allyl chloride  
Concen: 40.443 ug/l  
RT: 2.355 min Scan# 409  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 41 Resp: 640477  
Ion Ratio Lower Upper  
41 100  
39 59.8 51.0 76.6  
76 36.2 28.2 42.4

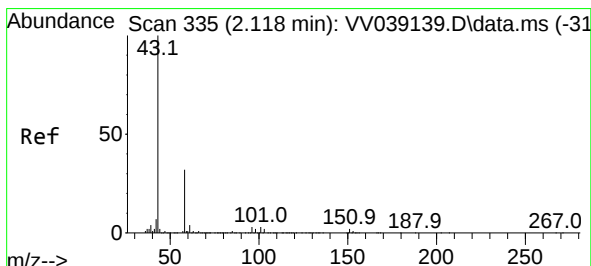
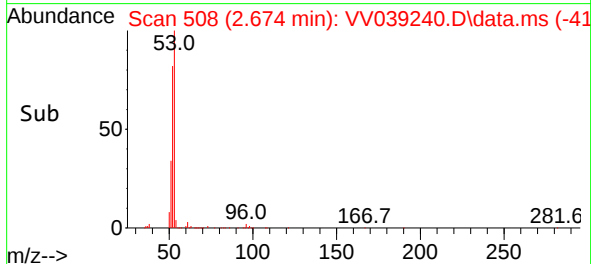
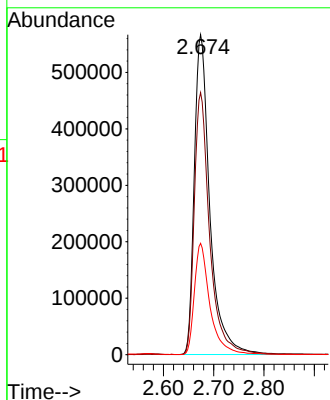
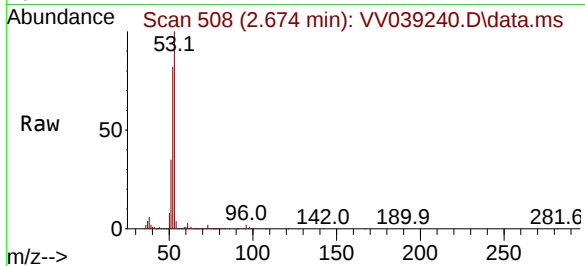




#15  
Acrylonitrile  
Concen: 211.335 ug/l  
RT: 2.674 min Scan# 507  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

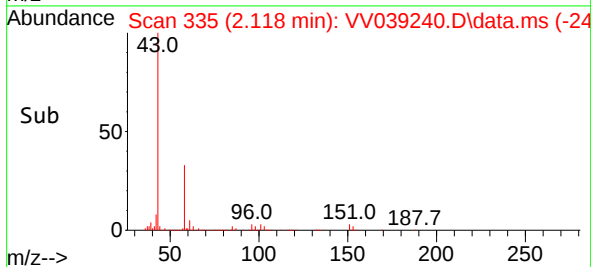
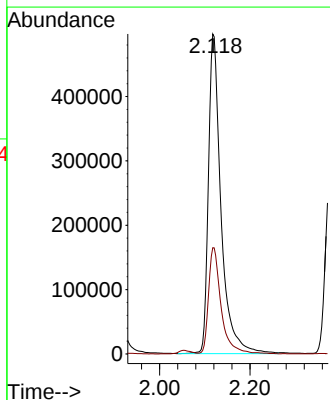
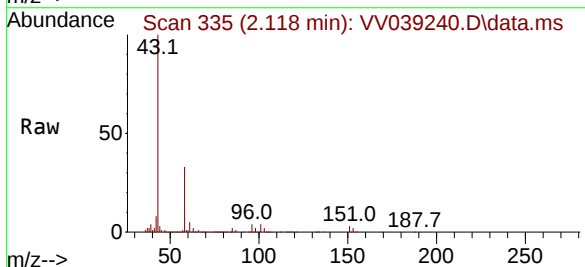
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 53 Resp: 1218525  
Ion Ratio Lower Upper  
53 100  
52 80.9 66.1 99.1  
51 34.7 28.5 42.7



#16  
Acetone  
Concen: 178.292 ug/l  
RT: 2.118 min Scan# 335  
Delta R.T. -0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 43 Resp: 961682  
Ion Ratio Lower Upper  
43 100  
58 33.1 25.8 38.6

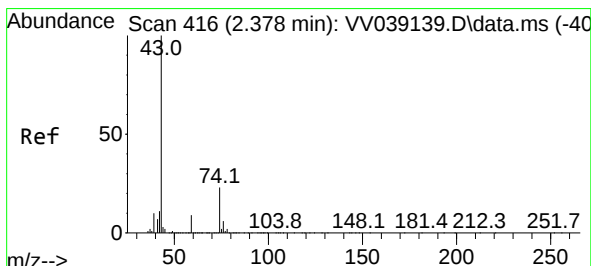
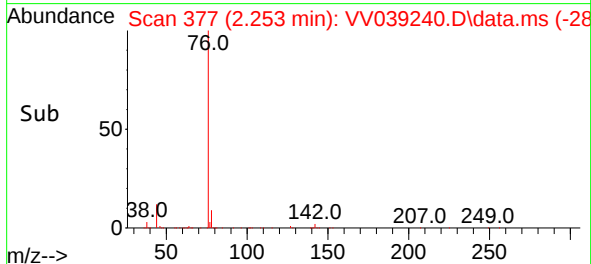
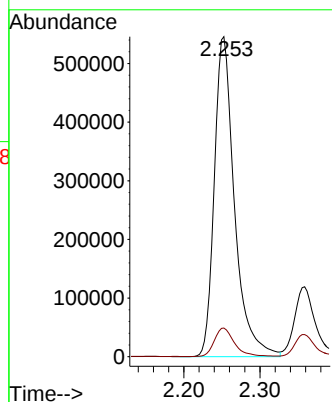
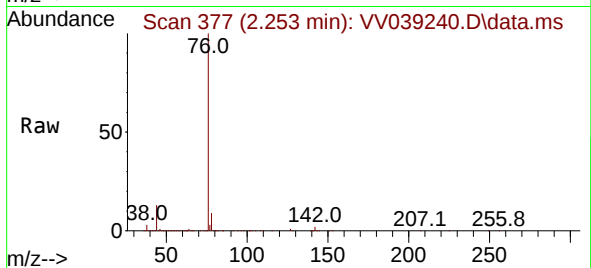




#17  
Carbon Disulfide  
Concen: 37.133 ug/l  
RT: 2.253 min Scan# 317  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

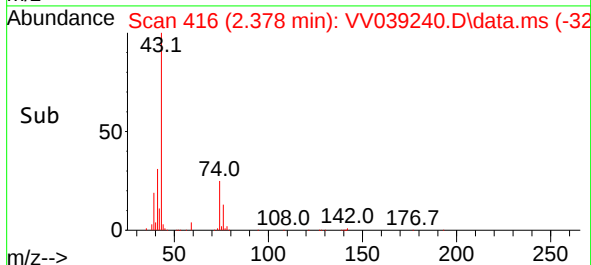
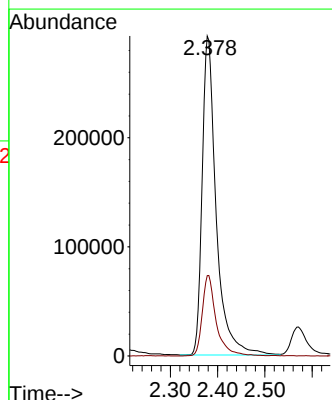
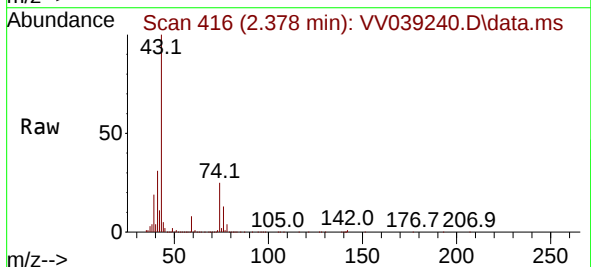
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 76 Resp: 1006796  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.4 11.0



#18  
Methyl Acetate  
Concen: 47.827 ug/l  
RT: 2.378 min Scan# 416  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 43 Resp: 603055  
Ion Ratio Lower Upper  
43 100  
74 25.0 18.6 27.8

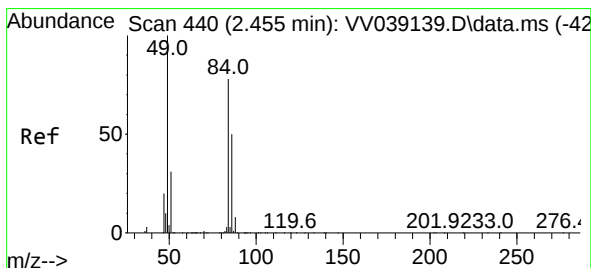
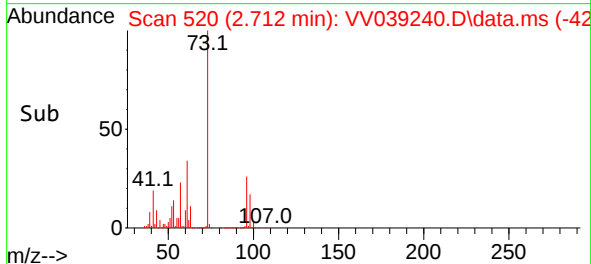
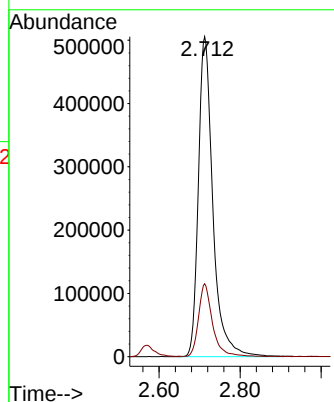
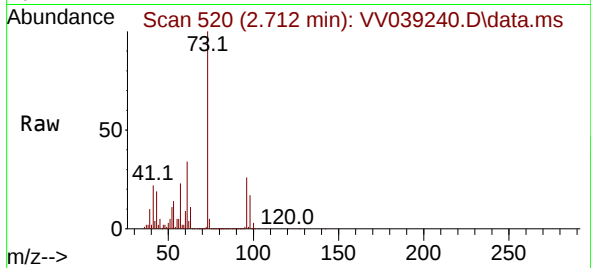




#19  
Methyl tert-butyl Ether  
Concen: 44.418 ug/l  
RT: 2.712 min Scan# 519  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

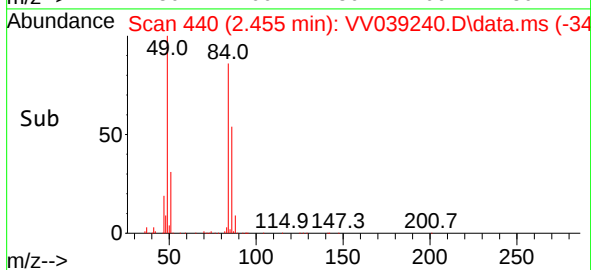
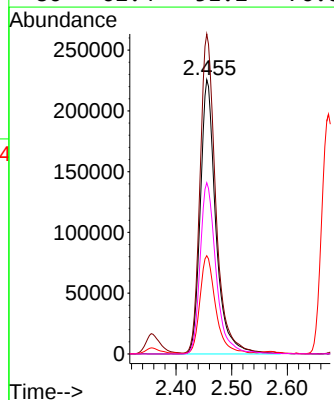
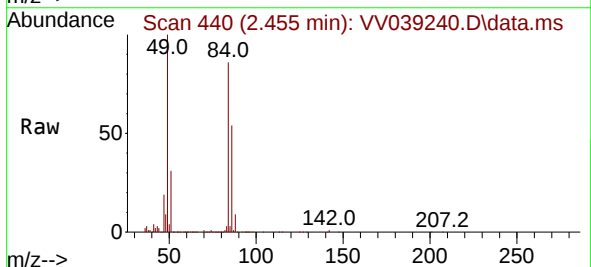
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 73 Resp: 1254836  
Ion Ratio Lower Upper  
73 100  
57 22.8 18.2 27.4



#20  
Methylene Chloride  
Concen: 47.362 ug/l  
RT: 2.455 min Scan# 440  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 84 Resp: 437203  
Ion Ratio Lower Upper  
84 100  
49 116.3 102.8 154.2  
51 35.6 31.9 47.9  
86 62.4 51.2 76.8

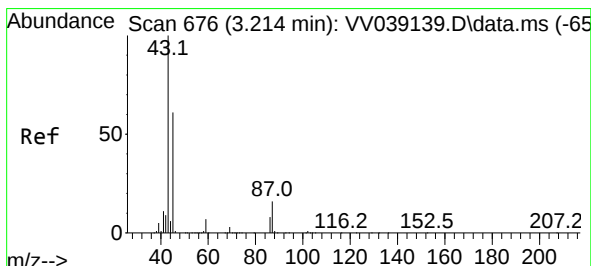
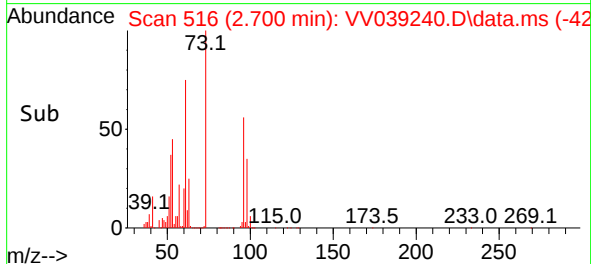
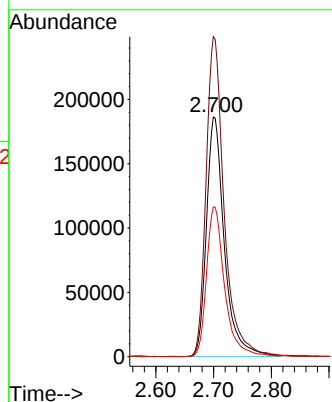
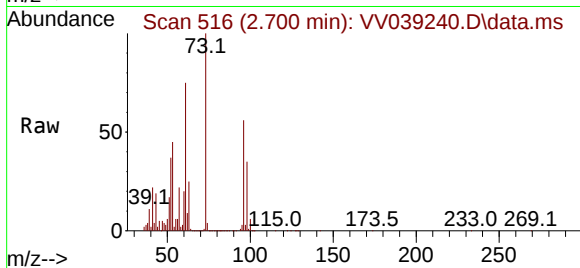




#21  
trans-1,2-Dichloroethene  
Concen: 42.529 ug/l  
RT: 2.700 min Scan# 516  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

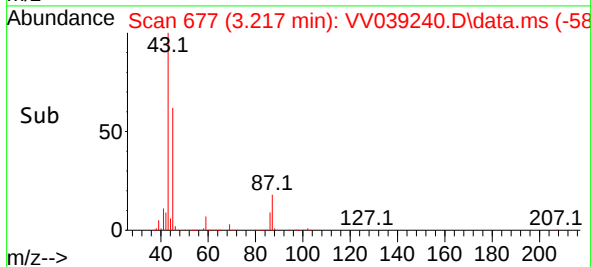
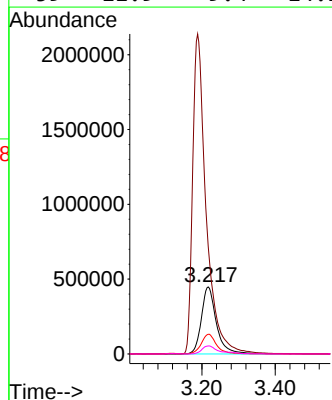
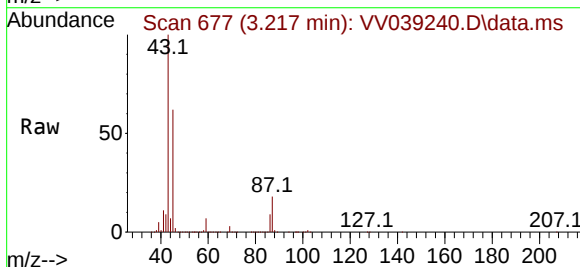
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 96 Resp: 401387  
Ion Ratio Lower Upper  
96 100  
61 133.6 112.8 169.2  
98 62.5 51.1 76.7



#22  
Diisopropyl ether  
Concen: 41.878 ug/l  
RT: 3.217 min Scan# 677  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 45 Resp: 1268867  
Ion Ratio Lower Upper  
45 100  
43 160.8 130.9 196.3  
87 29.4 21.1 31.7  
59 11.9 9.4 14.2

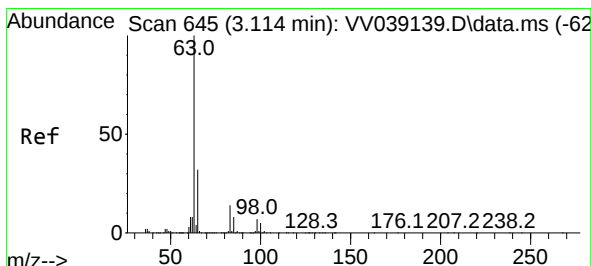
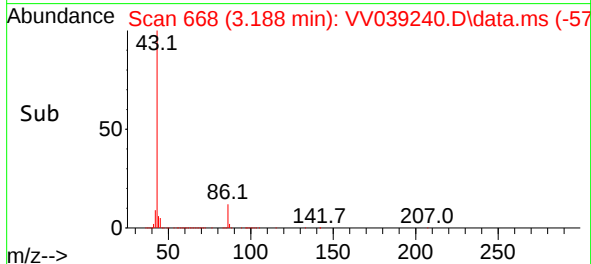
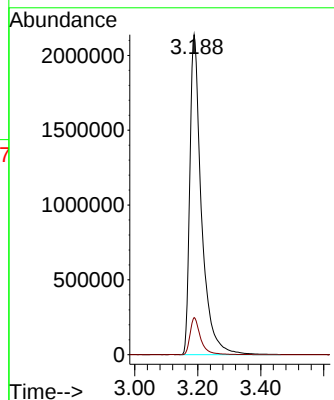
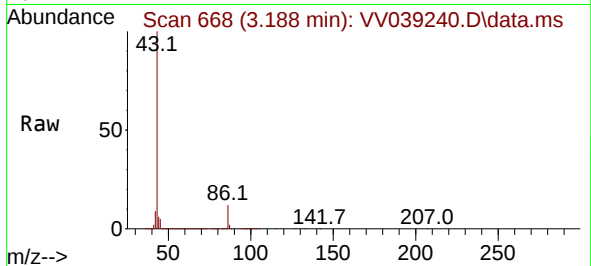




#23  
 Vinyl Acetate  
 Concen: 206.945 ug/l  
 RT: 3.188 min Scan# 60  
 Delta R.T. 0.003 min  
 Lab File: VV039240.D  
 Acq: 29 Sep 2025 18:23

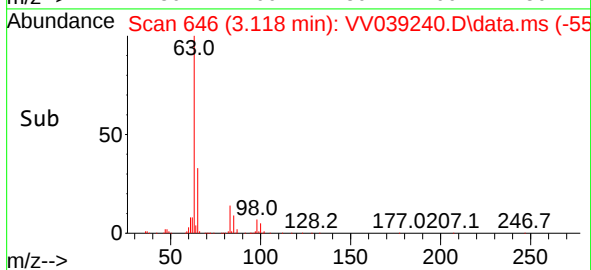
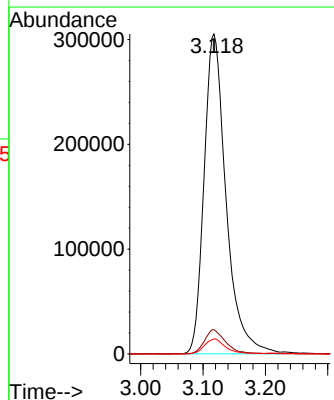
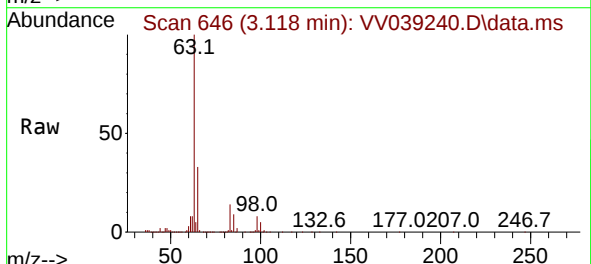
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

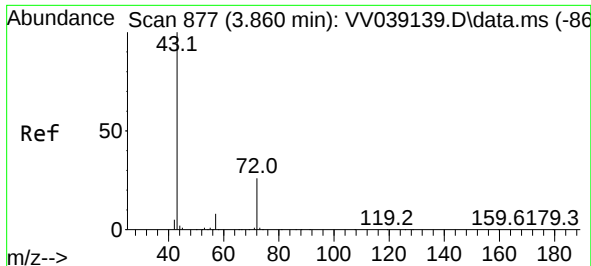
Tgt Ion: 43 Resp: 5485185  
 Ion Ratio Lower Upper  
 43 100  
 86 11.6 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 40.397 ug/l  
 RT: 3.118 min Scan# 646  
 Delta R.T. 0.003 min  
 Lab File: VV039240.D  
 Acq: 29 Sep 2025 18:23

Tgt Ion: 63 Resp: 748517  
 Ion Ratio Lower Upper  
 63 100  
 98 7.5 3.4 10.2  
 100 4.7 2.2 6.6

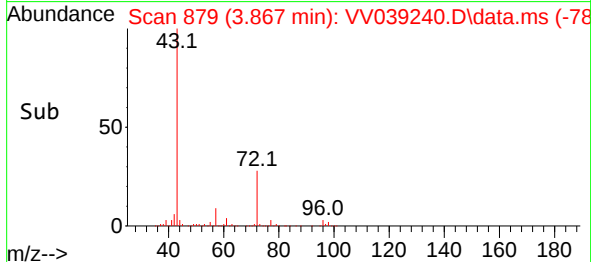
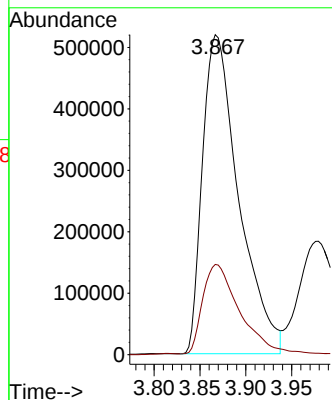
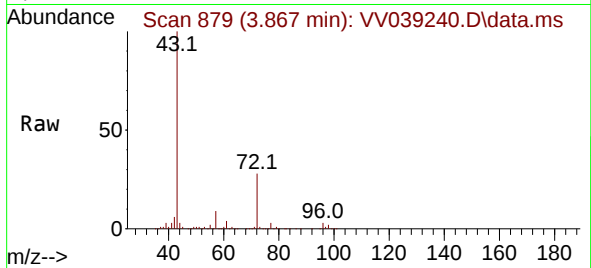




#25  
2-Butanone  
Concen: 209.796 ug/l  
RT: 3.867 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

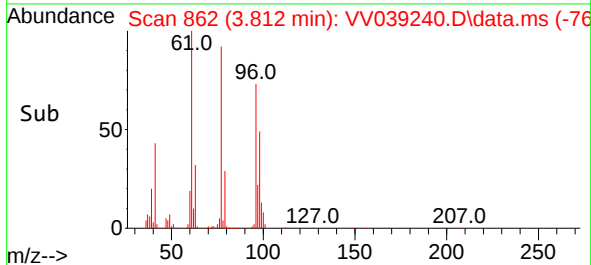
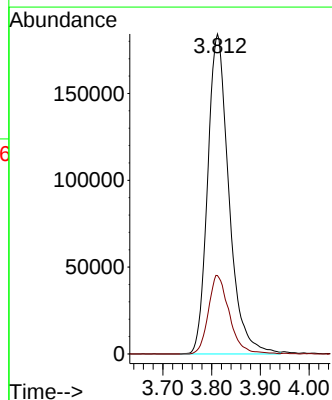
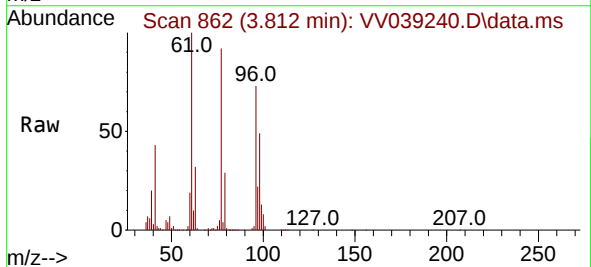
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 1429691  
Ion Ratio Lower Upper  
43 100  
72 28.0 21.0 31.6



#26  
2,2-Dichloropropane  
Concen: 34.002 ug/l  
RT: 3.812 min Scan# 862  
Delta R.T. 0.006 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 77 Resp: 558625  
Ion Ratio Lower Upper  
77 100  
97 24.2 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 43.307 ug/l

RT: 3.822 min Scan# 865

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

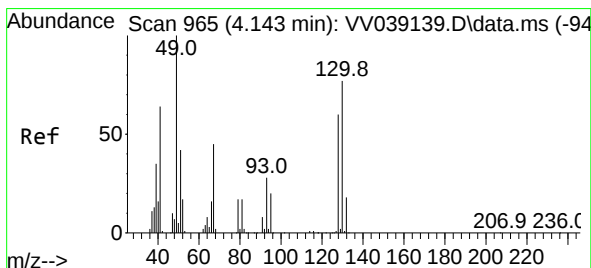
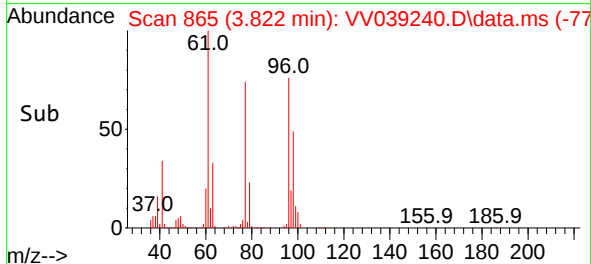
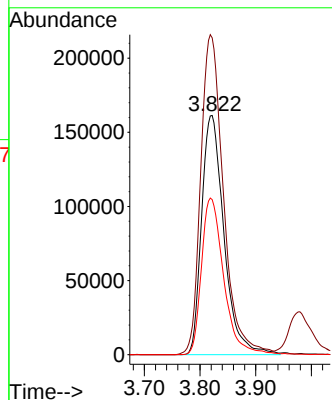
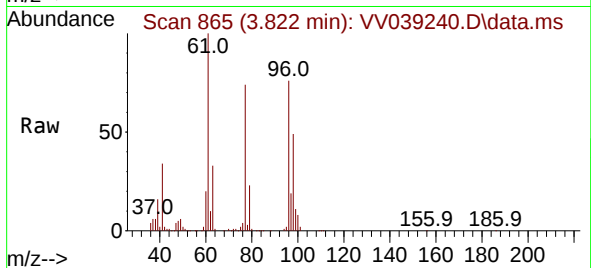
Tgt Ion: 96 Resp: 450788

Ion Ratio Lower Upper

96 100

61 135.8 0.0 286.4

98 64.9 0.0 126.6



#28

Bromochloromethane

Concen: 42.630 ug/l

RT: 4.146 min Scan# 966

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

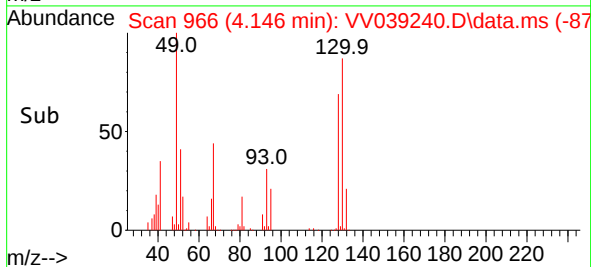
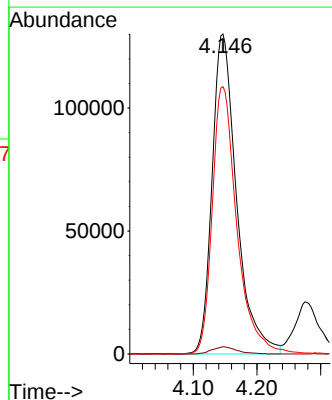
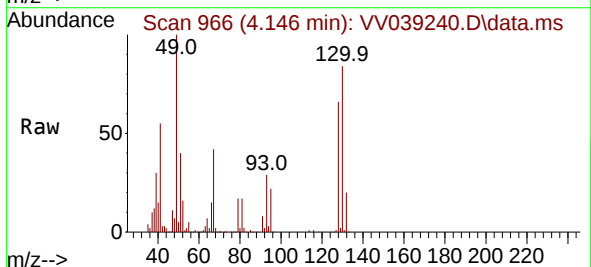
Tgt Ion: 49 Resp: 348712

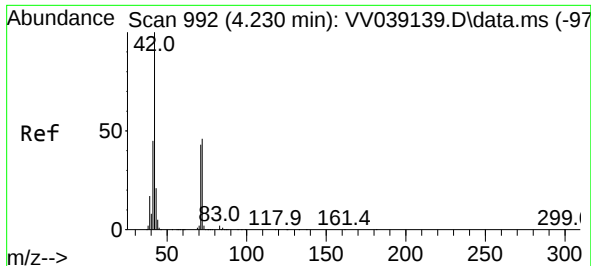
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 83.9 60.2 90.2





#29

Tetrahydrofuran

Concen: 222.285 ug/l

RT: 4.236 min Scan# 992

Delta R.T. 0.006 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

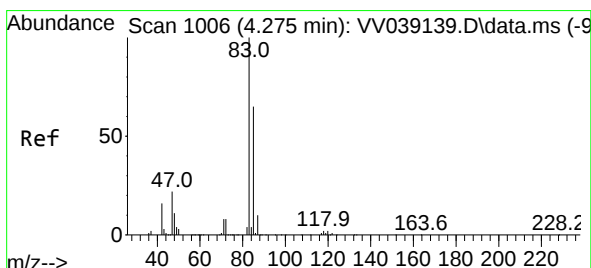
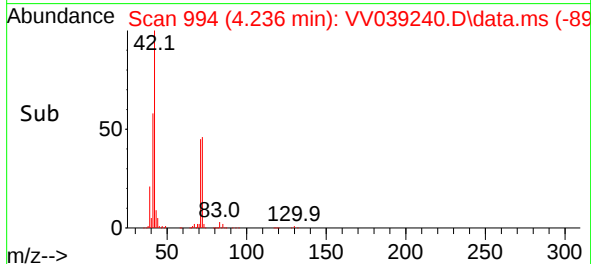
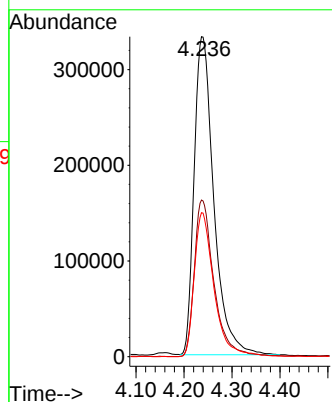
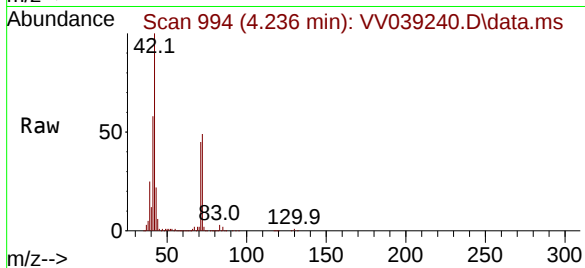
Tgt Ion: 42 Resp: 948151

Ion Ratio Lower Upper

42 100

72 49.0 36.3 54.5

71 45.2 34.3 51.5



#30

Chloroform

Concen: 40.605 ug/l

RT: 4.278 min Scan# 1007

Delta R.T. 0.003 min

Lab File: VV039240.D

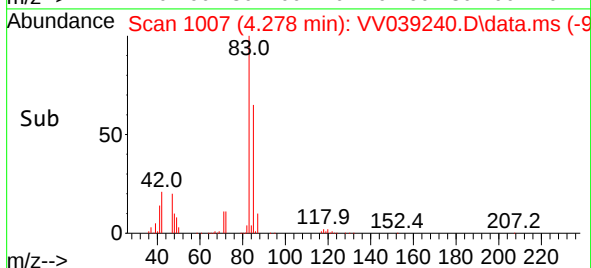
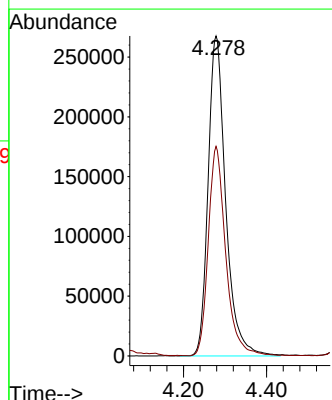
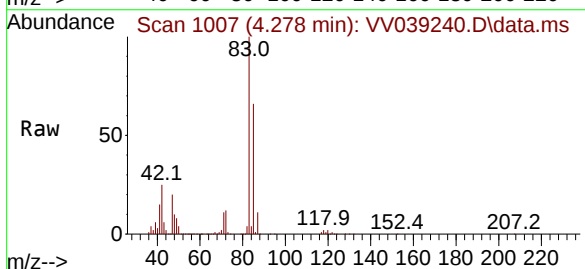
Acq: 29 Sep 2025 18:23

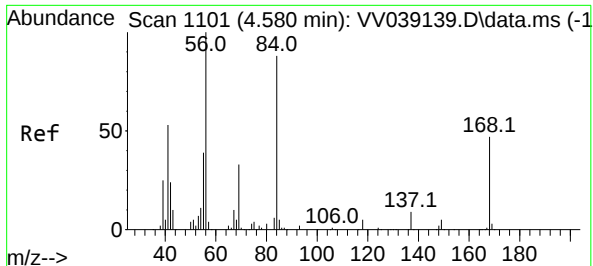
Tgt Ion: 83 Resp: 785627

Ion Ratio Lower Upper

83 100

85 65.4 52.1 78.1

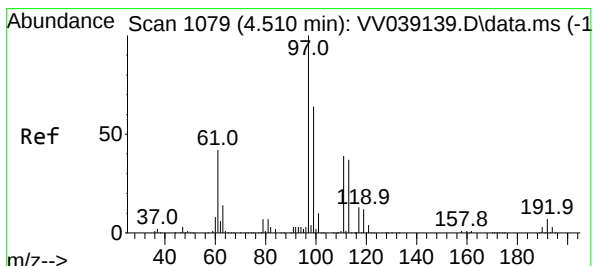
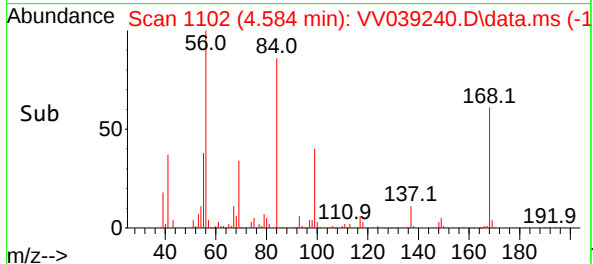
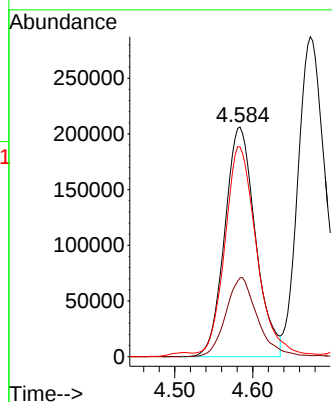
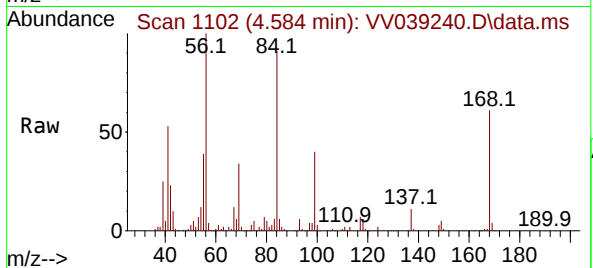




#31  
Cyclohexane  
Concen: 37.246 ug/l  
RT: 4.584 min Scan# 1101  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

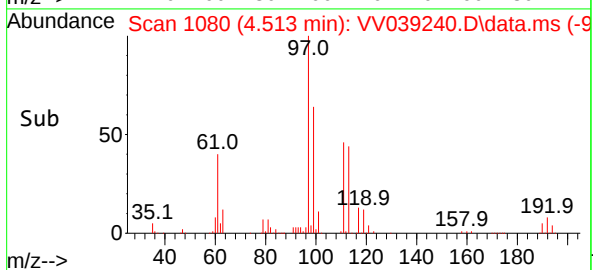
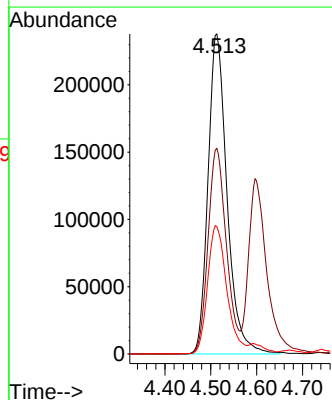
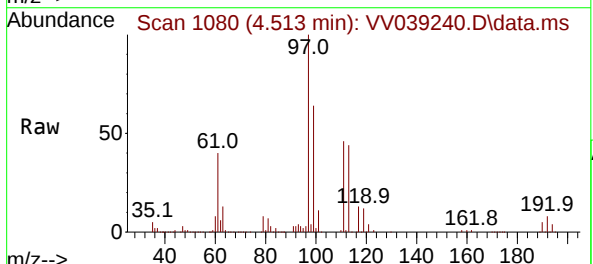
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 56 Resp: 565338  
Ion Ratio Lower Upper  
56 100  
69 34.3 26.2 39.2  
84 89.7 70.3 105.5



#32  
1,1,1-Trichloroethane  
Concen: 40.933 ug/l  
RT: 4.513 min Scan# 1080  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 97 Resp: 685653  
Ion Ratio Lower Upper  
97 100  
99 62.0 49.6 74.4  
61 40.2 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 43.166 ug/l

RT: 4.941 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

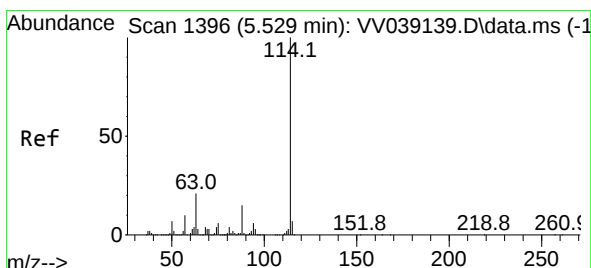
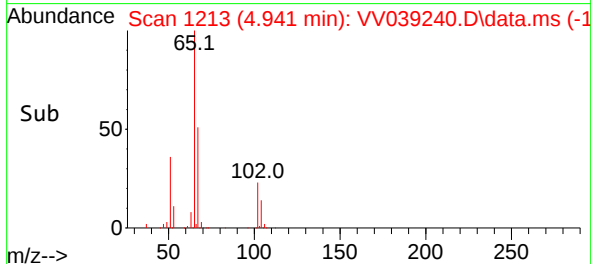
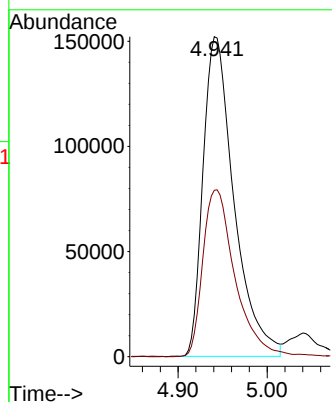
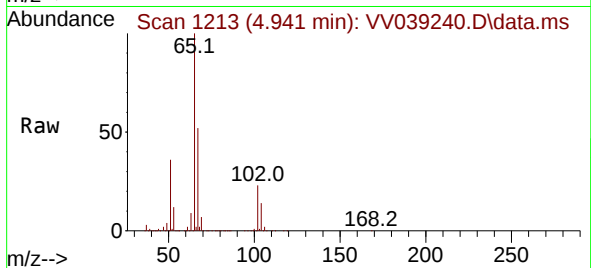
VSTDCCC050EC

Tgt Ion: 65 Resp: 367351

Ion Ratio Lower Upper

65 100

67 54.2 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

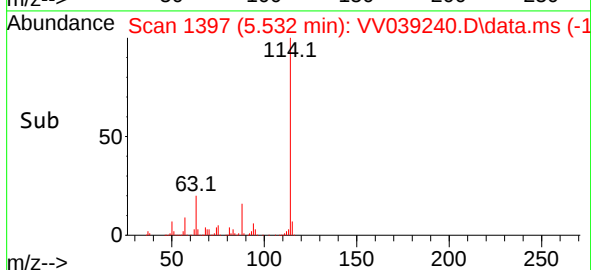
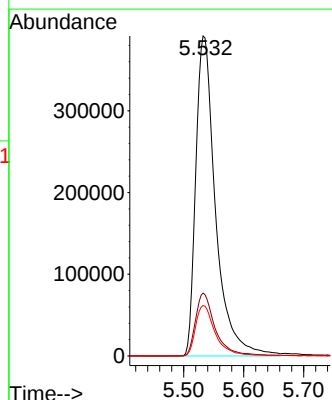
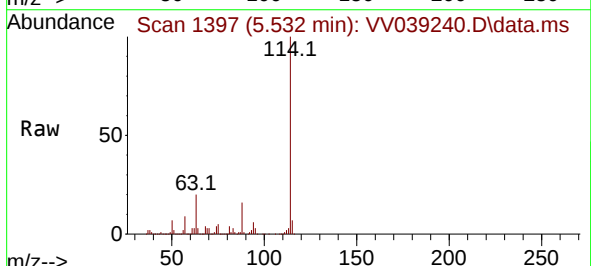
Tgt Ion: 114 Resp: 900266

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

88 15.8 0.0 30.8

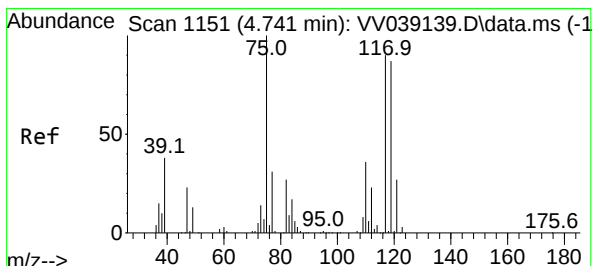
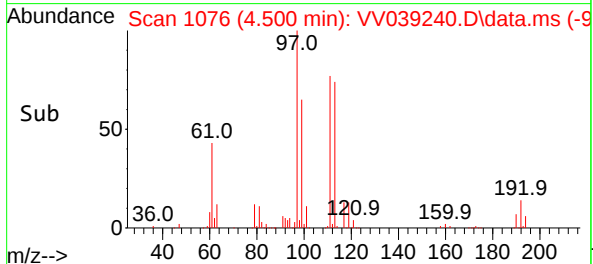
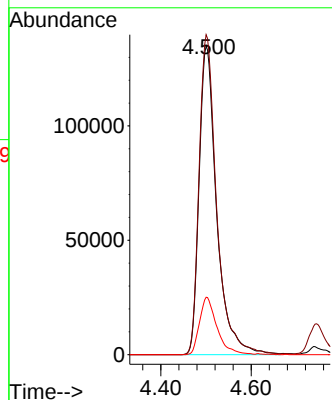
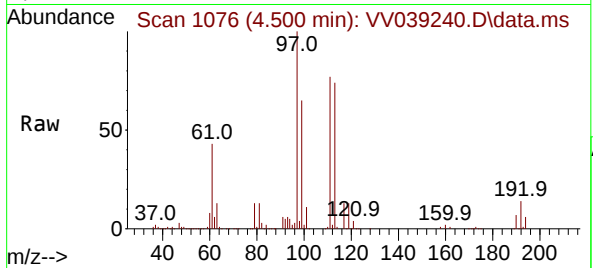




#35  
Dibromofluoromethane  
Concen: 50.453 ug/l  
RT: 4.500 min Scan# 1113  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

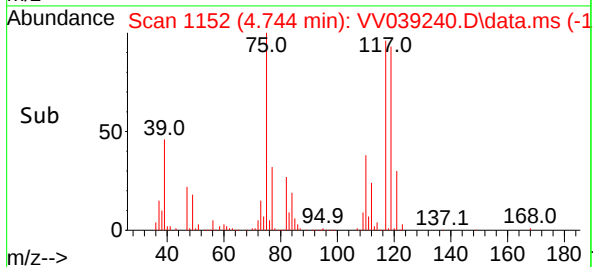
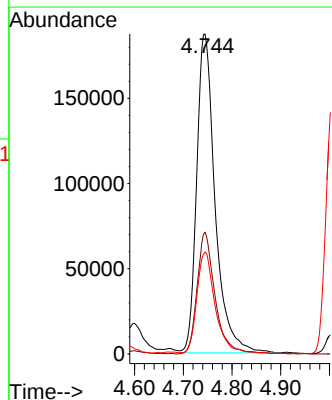
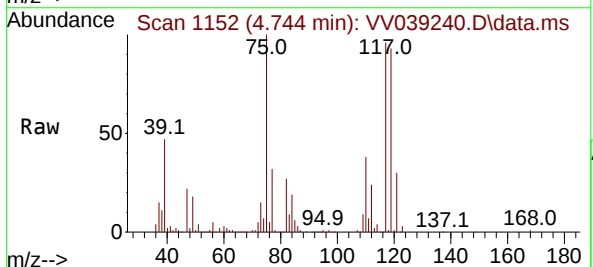
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

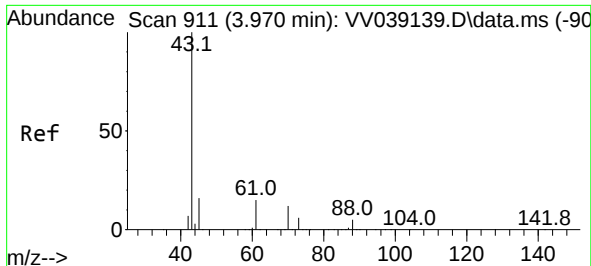
Tgt Ion:113 Resp: 365150  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.4 123.6  
192 18.5 13.8 20.8



#36  
1,1-Dichloropropene  
Concen: 44.938 ug/l  
RT: 4.744 min Scan# 1152  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 75 Resp: 491719  
Ion Ratio Lower Upper  
75 100  
110 37.1 18.1 54.1  
77 30.8 24.8 37.2

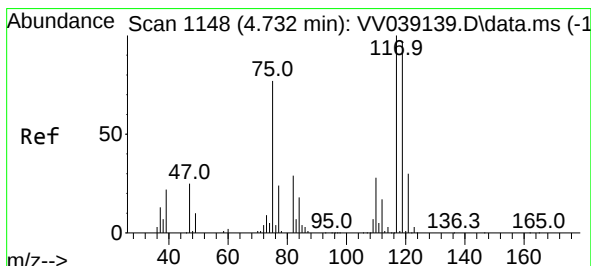
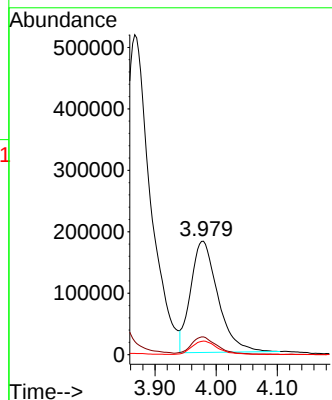
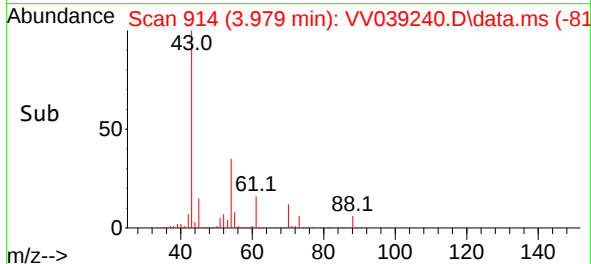
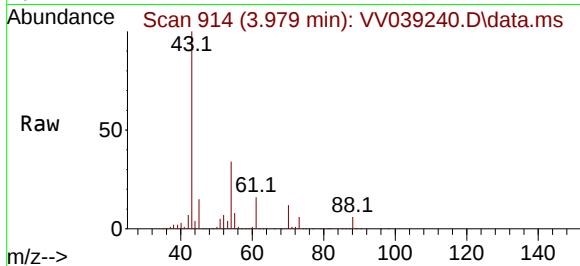




#37  
Ethyl Acetate  
Concen: 42.330 ug/l  
RT: 3.979 min Scan# 911  
Delta R.T. 0.009 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

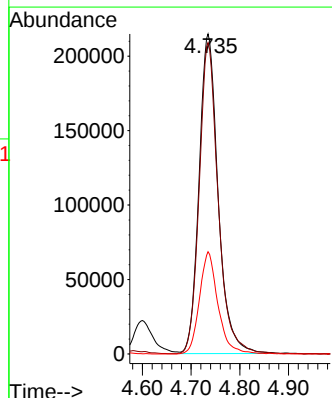
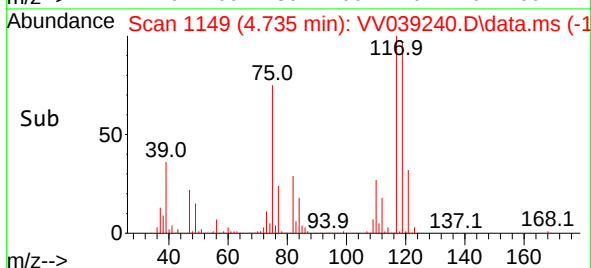
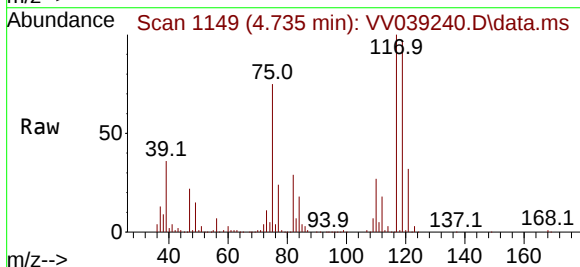
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

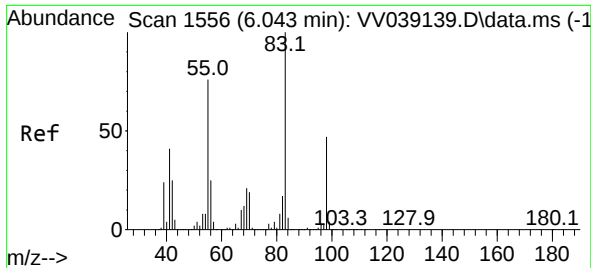
Tgt Ion: 43 Resp: 562043  
Ion Ratio Lower Upper  
43 100  
61 14.6 10.3 15.5  
70 11.3 8.0 12.0



#38  
Carbon Tetrachloride  
Concen: 43.671 ug/l  
RT: 4.735 min Scan# 1149  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 117 Resp: 584016  
Ion Ratio Lower Upper  
117 100  
119 97.3 77.2 115.8  
121 31.9 24.2 36.2

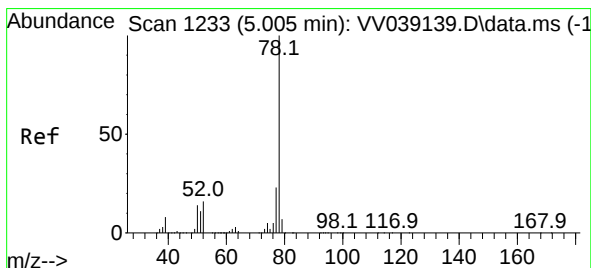
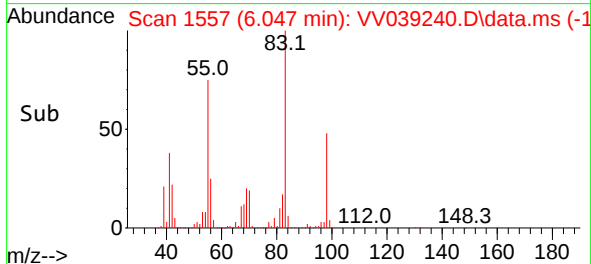
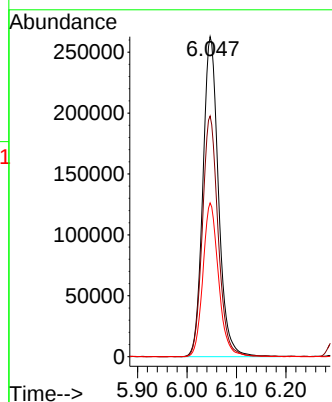
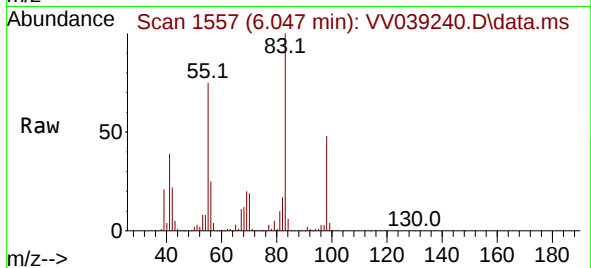




#39  
Methylcyclohexane  
Concen: 43.570 ug/l  
RT: 6.047 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

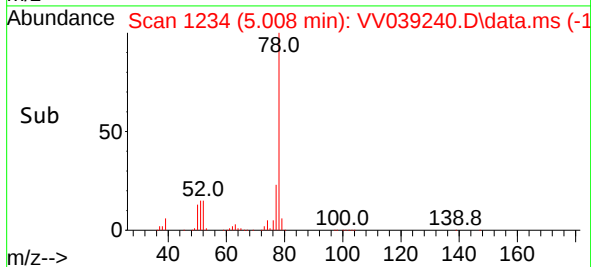
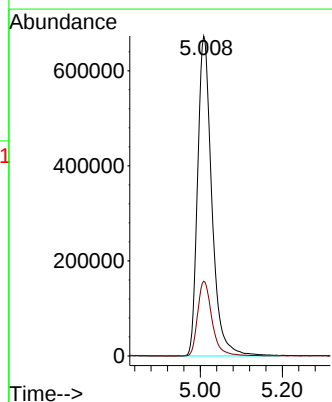
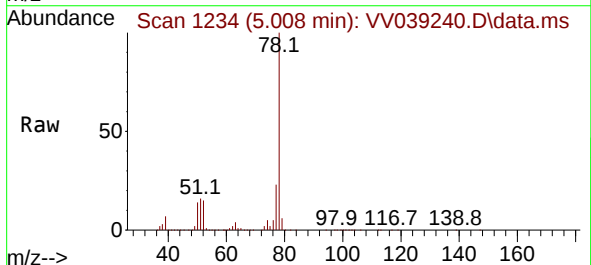
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

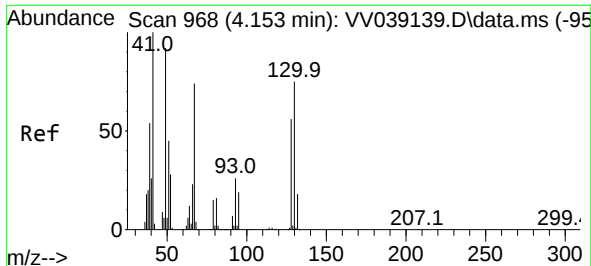
Tgt Ion: 83 Resp: 575745  
Ion Ratio Lower Upper  
83 100  
55 75.2 60.5 90.7  
98 48.0 37.8 56.6



#40  
Benzene  
Concen: 45.412 ug/l  
RT: 5.008 min Scan# 1234  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 78 Resp: 1618097  
Ion Ratio Lower Upper  
78 100  
77 23.3 18.7 28.1



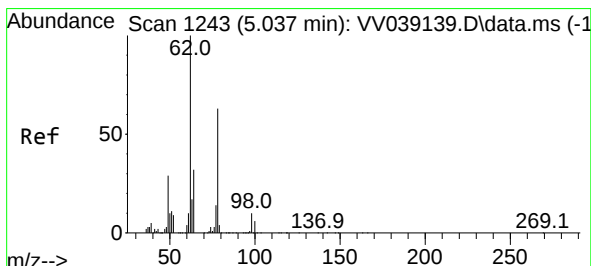
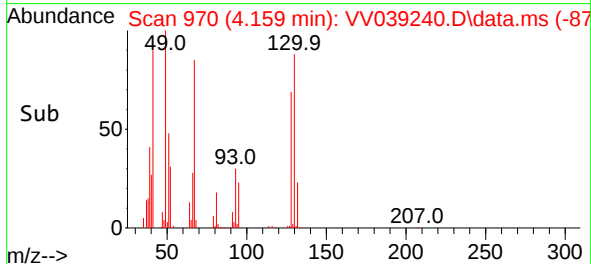
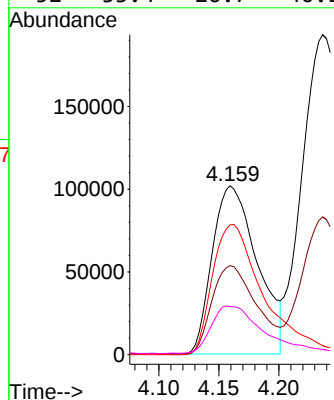
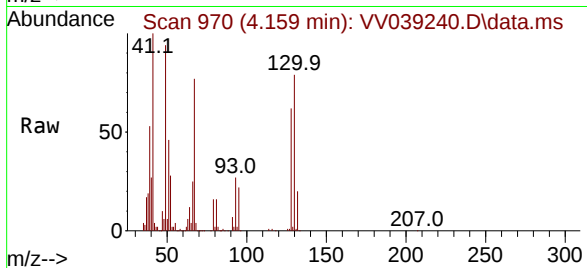


#41  
Methacrylonitrile  
Concen: 44.534 ug/l  
RT: 4.159 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 266048

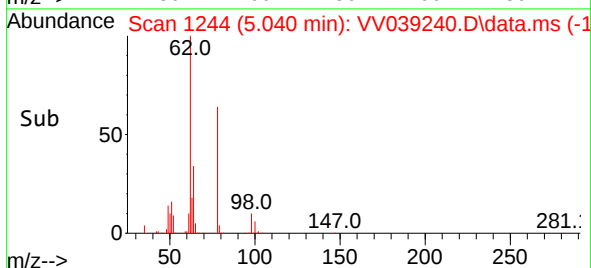
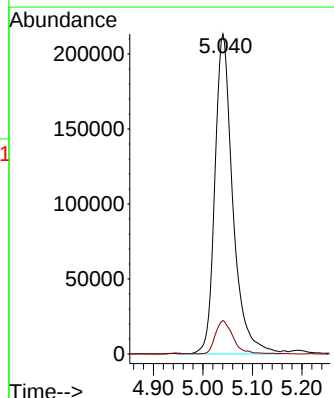
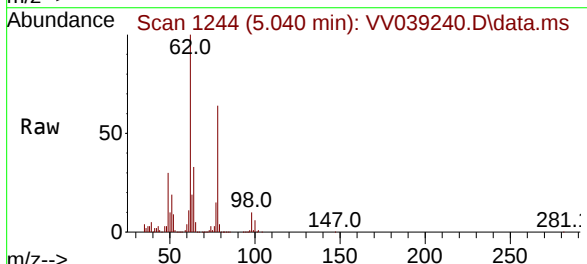
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 52.1  | 42.2  | 63.2  |
| 67  | 90.7  | 67.9  | 101.9 |
| 52  | 33.4  | 26.7  | 40.1  |

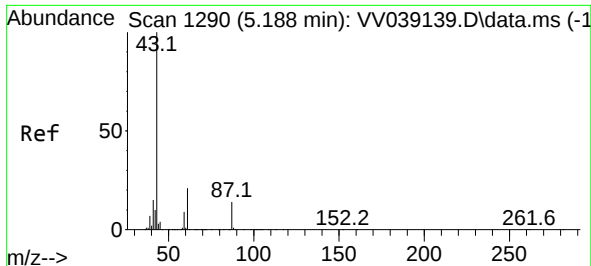


#42  
1,2-Dichloroethane  
Concen: 43.090 ug/l  
RT: 5.040 min Scan# 1244  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 62 Resp: 537982

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.1  | 0.0   | 19.2  |

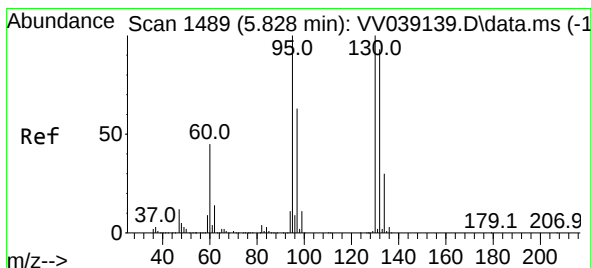
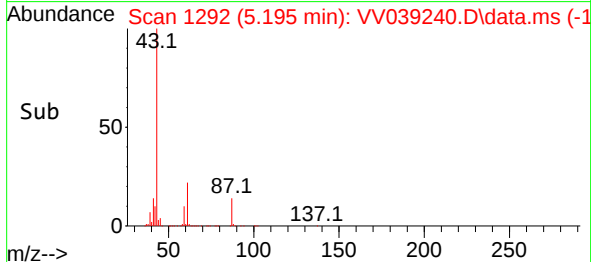
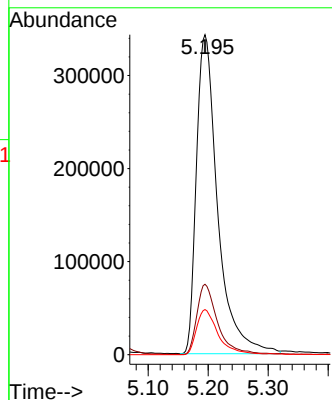
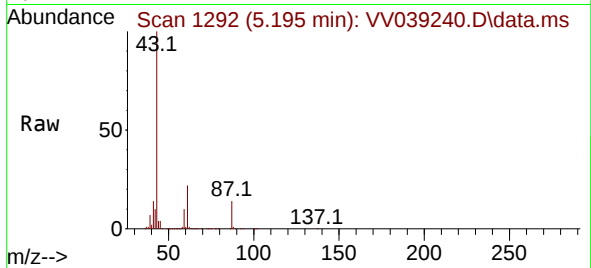




#43  
Isopropyl Acetate  
Concen: 46.890 ug/l  
RT: 5.195 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

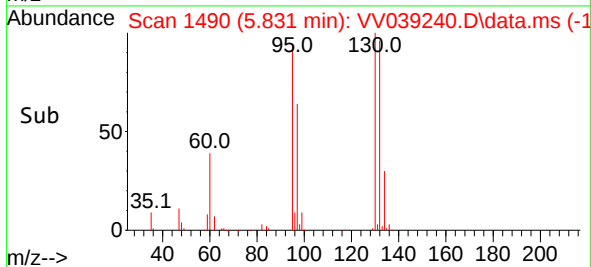
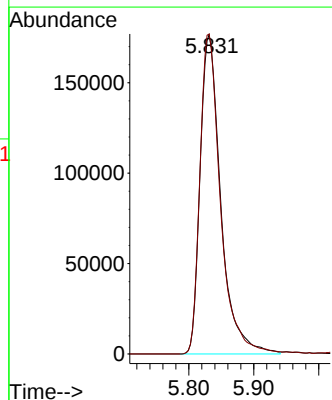
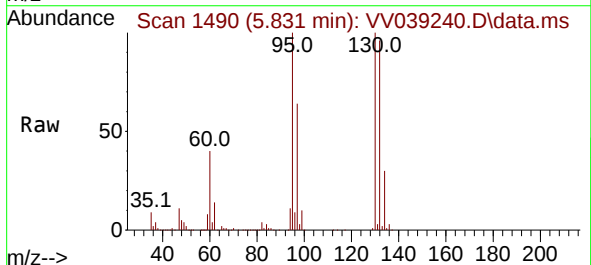
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

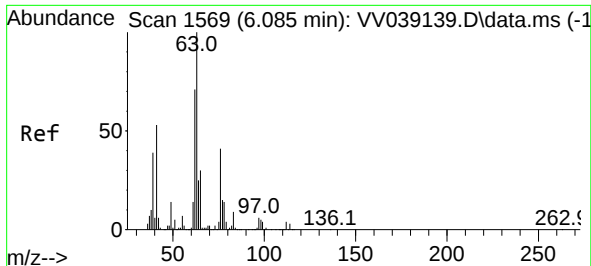
Tgt Ion: 43 Resp: 848888  
Ion Ratio Lower Upper  
43 100  
61 21.4 15.9 23.9  
87 14.3 11.0 16.6



#44  
Trichloroethene  
Concen: 47.562 ug/l  
RT: 5.831 min Scan# 1490  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion:130 Resp: 391062  
Ion Ratio Lower Upper  
130 100  
95 100.3 0.0 199.2





#45

1,2-Dichloropropane

Concen: 45.712 ug/l

RT: 6.088 min Scan# 1569

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

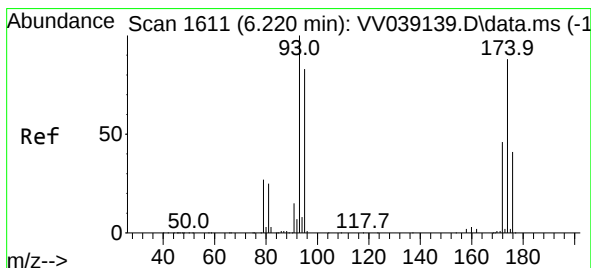
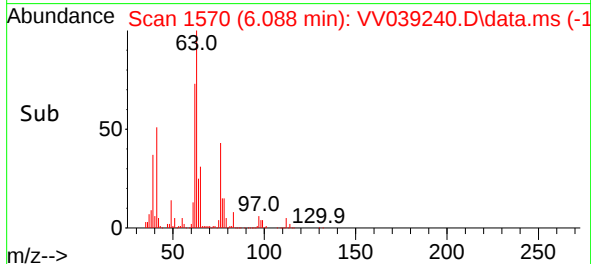
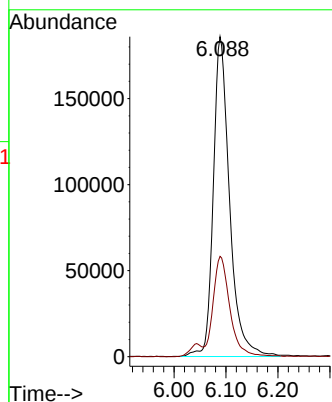
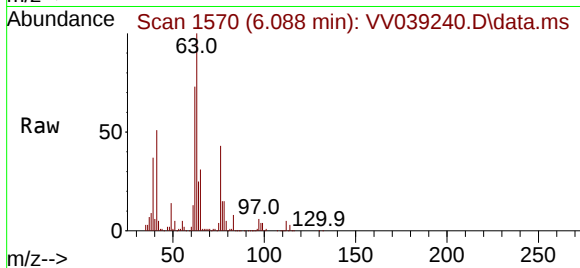
VSTDCCC050EC

Tgt Ion: 63 Resp: 404855

Ion Ratio Lower Upper

63 100

65 31.2 23.7 35.5



#46

Dibromomethane

Concen: 46.116 ug/l

RT: 6.223 min Scan# 1612

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

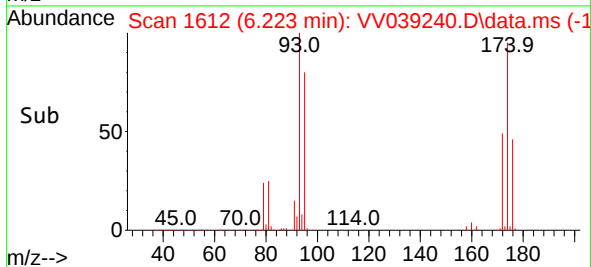
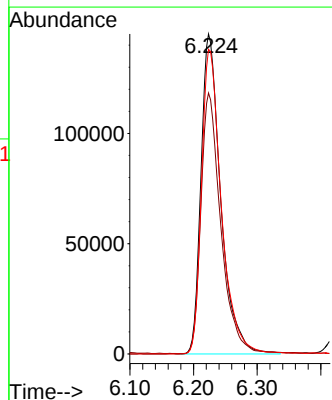
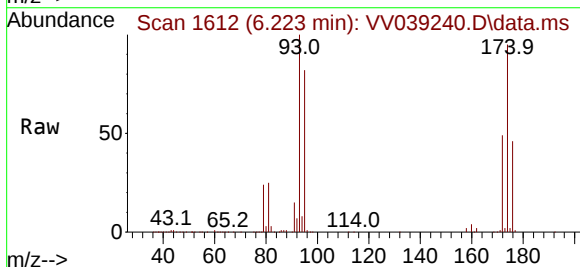
Tgt Ion: 93 Resp: 312602

Ion Ratio Lower Upper

93 100

95 82.1 65.5 98.3

174 96.0 69.0 103.4

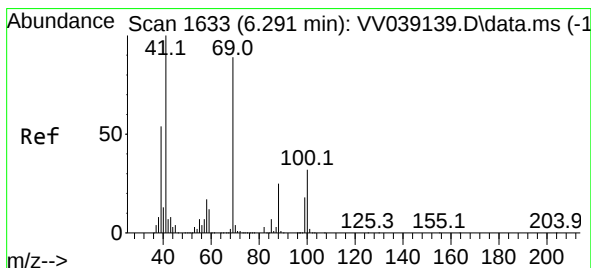
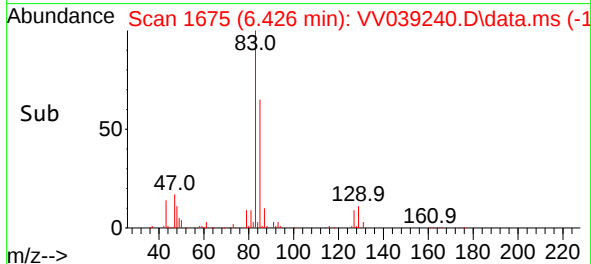
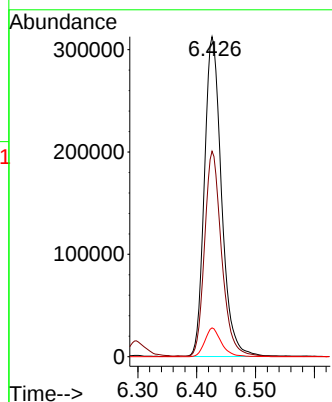
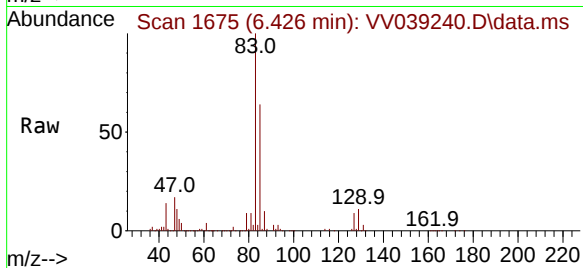




#47  
Bromodichloromethane  
Concen: 45.191 ug/l  
RT: 6.426 min Scan# 1674  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

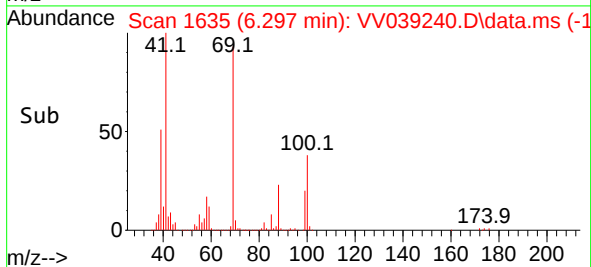
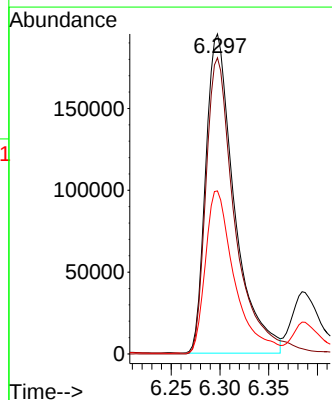
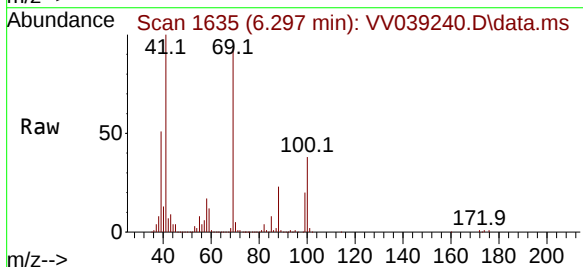
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

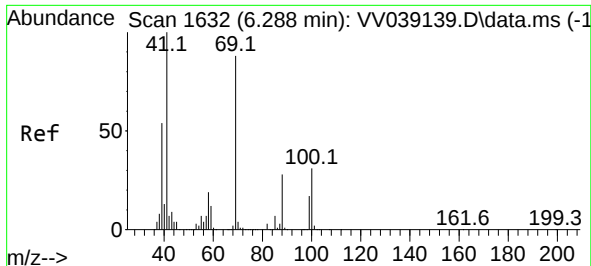
Tgt Ion: 83 Resp: 633297  
Ion Ratio Lower Upper  
83 100  
85 64.1 49.7 74.5  
127 9.0 6.6 9.8



#48  
Methyl methacrylate  
Concen: 48.454 ug/l  
RT: 6.297 min Scan# 1635  
Delta R.T. 0.006 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 41 Resp: 397638  
Ion Ratio Lower Upper  
41 100  
69 95.0 72.4 108.6  
39 51.5 42.5 63.7





#49

1,4-Dioxane

Concen: 943.826 ug/l

RT: 6.291 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

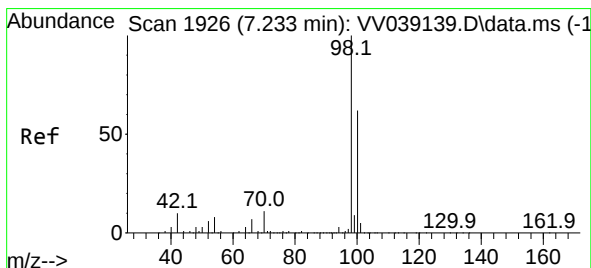
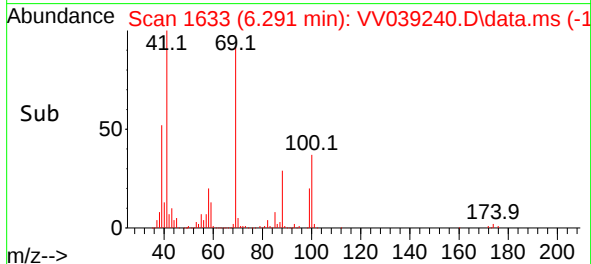
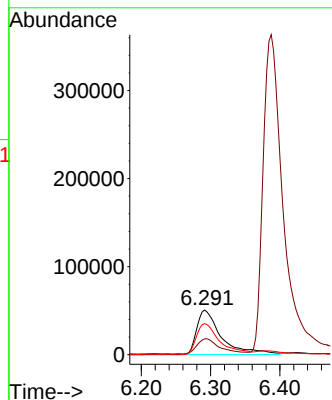
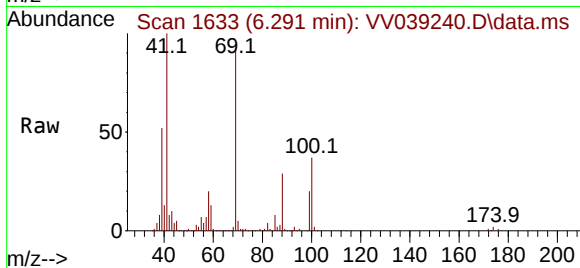
Tgt Ion: 88 Resp: 124995

Ion Ratio Lower Upper

88 100

43 31.1 25.1 37.7

58 66.9 53.6 80.4



#50

Toluene-d8

Concen: 48.723 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.003 min

Lab File: VV039240.D

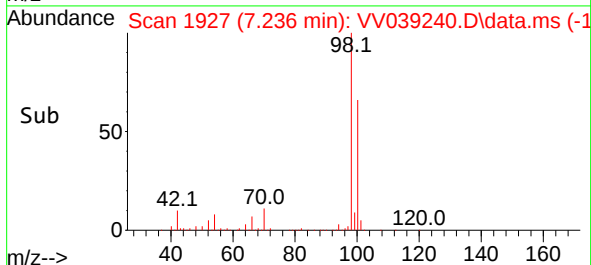
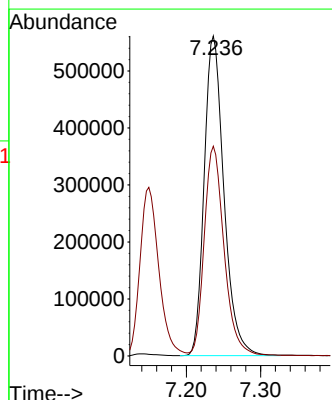
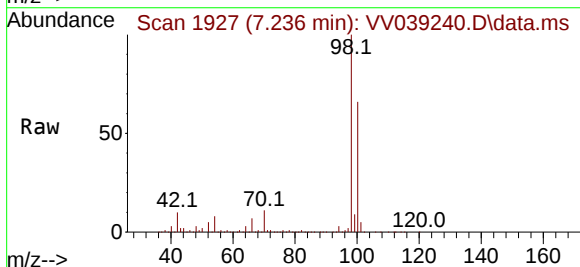
Acq: 29 Sep 2025 18:23

Tgt Ion: 98 Resp: 1035679

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 251.628 ug/l

RT: 7.150 min Scan# 1900

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

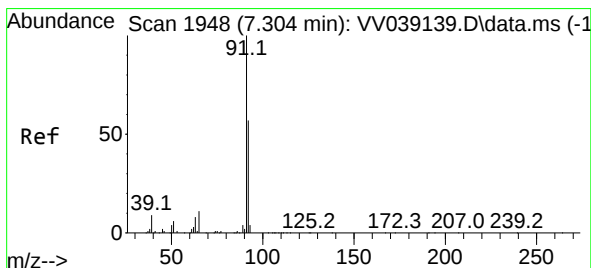
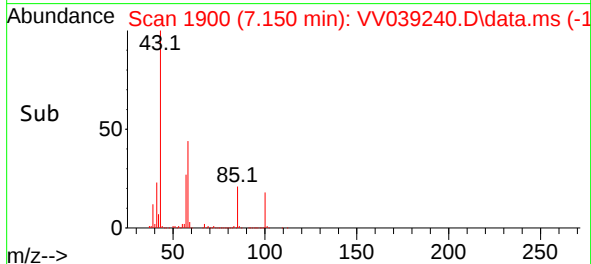
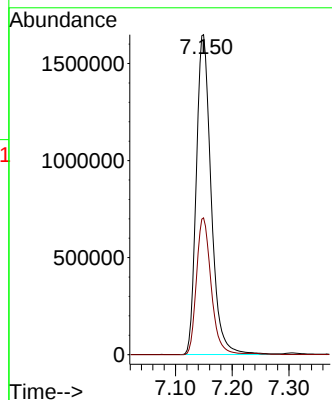
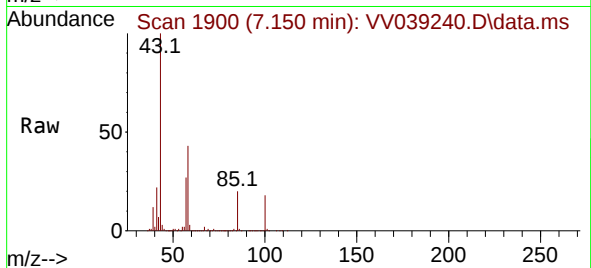
VSTDCCC050EC

Tgt Ion: 43 Resp: 2996905

Ion Ratio Lower Upper

43 100

58 42.3 32.3 48.5



#52

Toluene

Concen: 49.447 ug/l

RT: 7.307 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV039240.D

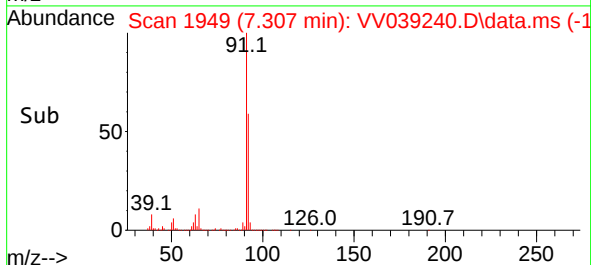
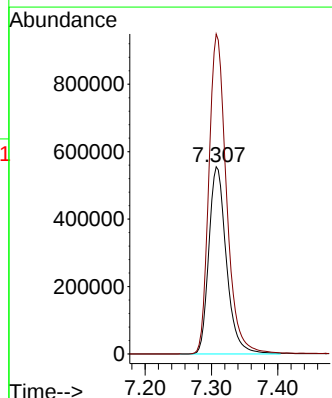
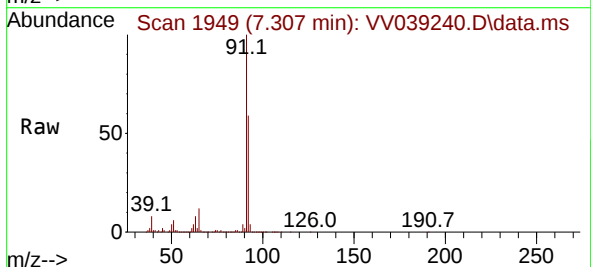
Acq: 29 Sep 2025 18:23

Tgt Ion: 92 Resp: 1021553

Ion Ratio Lower Upper

92 100

91 171.3 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 48.565 ug/l

RT: 7.574 min Scan# 2031

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

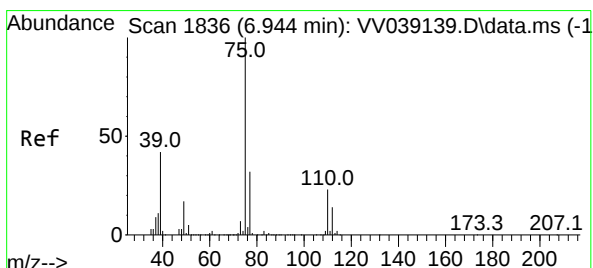
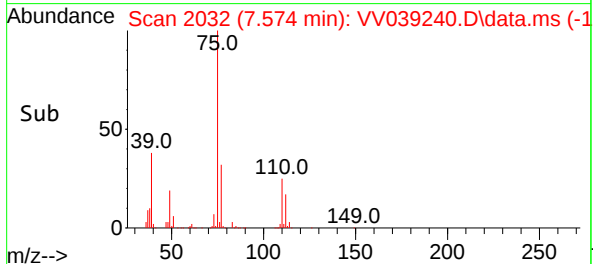
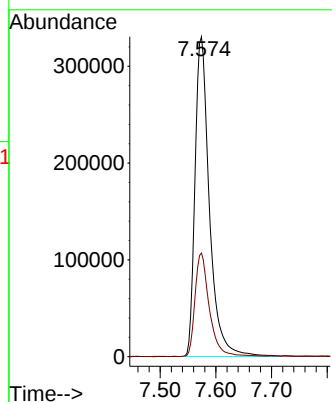
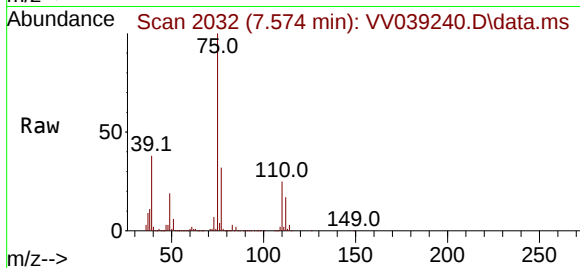
VSTDCCC050EC

Tgt Ion: 75 Resp: 593107

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 48.318 ug/l

RT: 6.947 min Scan# 1837

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

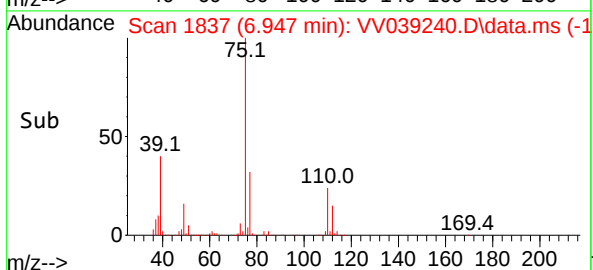
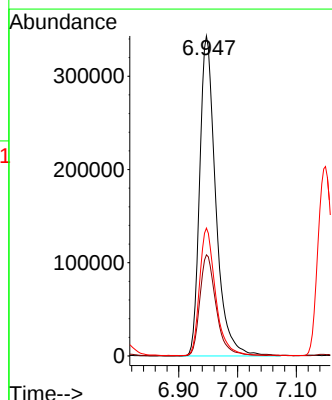
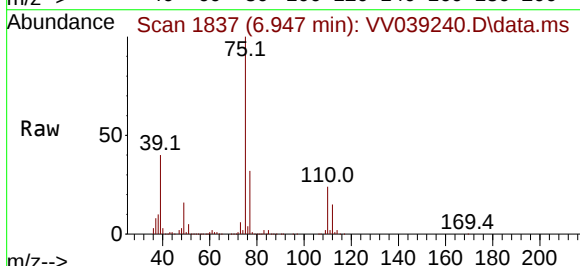
Tgt Ion: 75 Resp: 651440

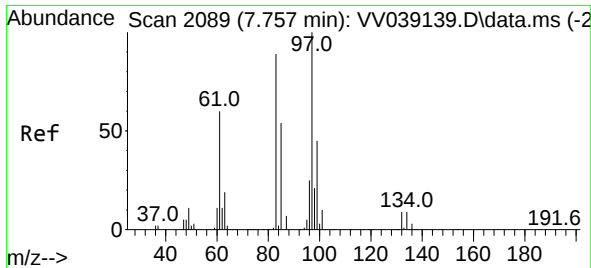
Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

39 39.8 33.8 50.6



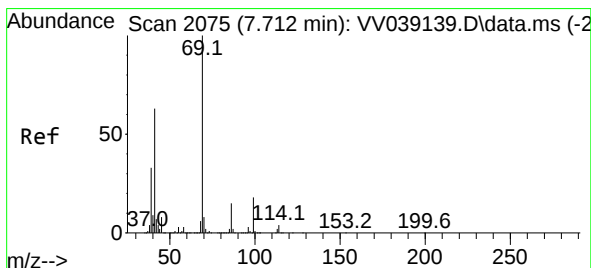
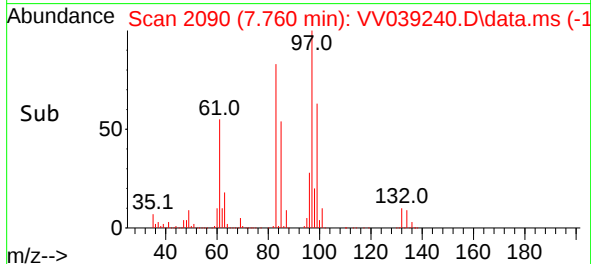
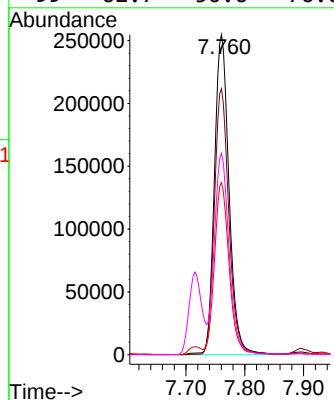
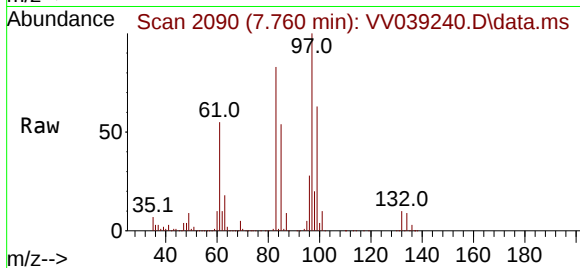


#55  
1,1,2-Trichloroethane  
Concen: 47.461 ug/l  
RT: 7.760 min Scan# 2089  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 439648

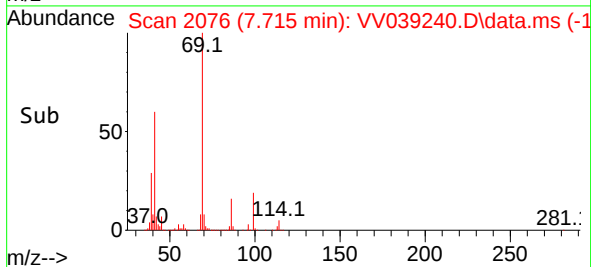
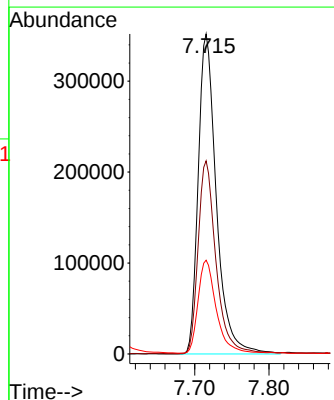
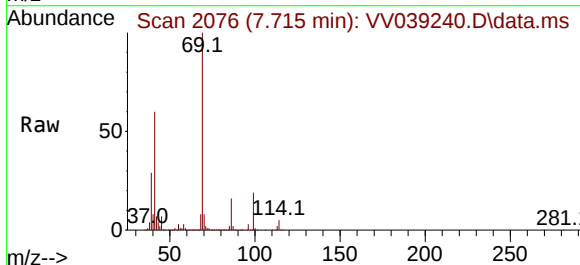
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 83.1  | 71.1  | 106.7 |
| 85  | 53.7  | 44.6  | 67.0  |
| 99  | 62.7  | 50.6  | 76.0  |



#56  
Ethyl methacrylate  
Concen: 54.394 ug/l  
RT: 7.715 min Scan# 2076  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 69 Resp: 598387

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 59.9  | 50.7  | 76.1  |
| 39  | 29.2  | 26.0  | 39.0  |





#57

1,3-Dichloropropane

Concen: 46.771 ug/l

RT: 7.934 min Scan# 2143

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

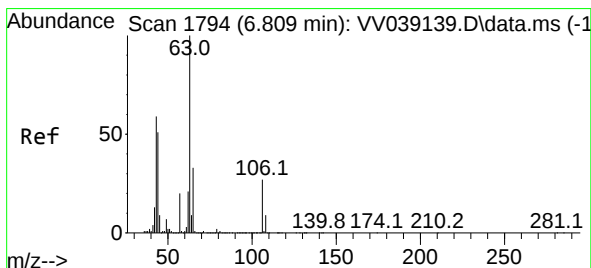
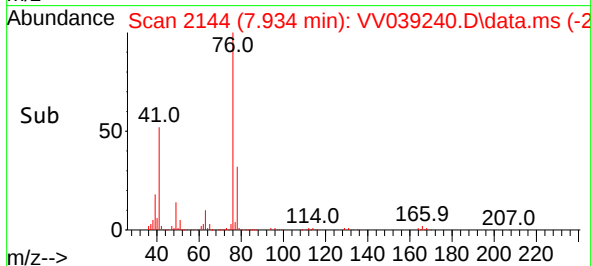
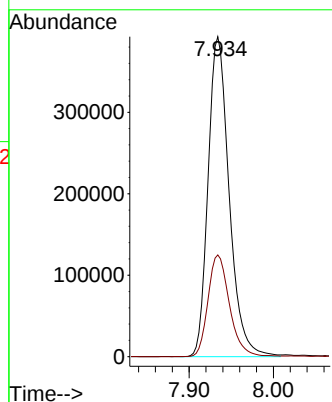
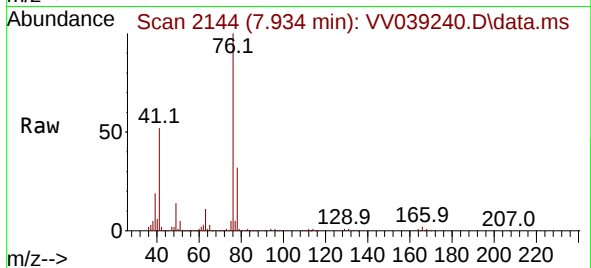
VSTDCCC050EC

Tgt Ion: 76 Resp: 683754

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 202.413 ug/l

RT: 6.812 min Scan# 1795

Delta R.T. 0.003 min

Lab File: VV039240.D

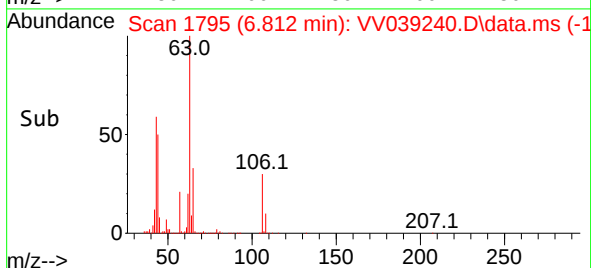
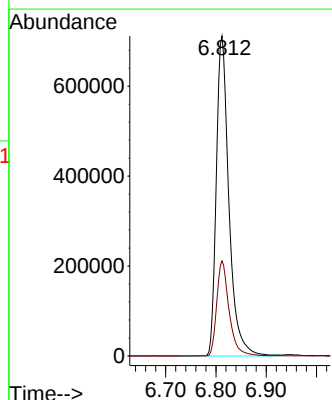
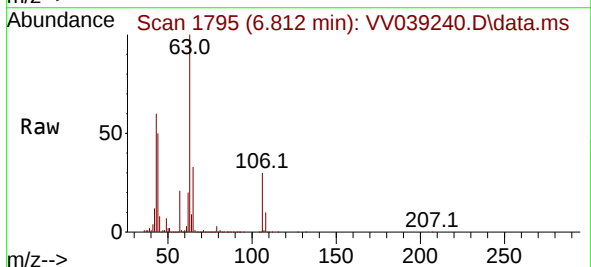
Acq: 29 Sep 2025 18:23

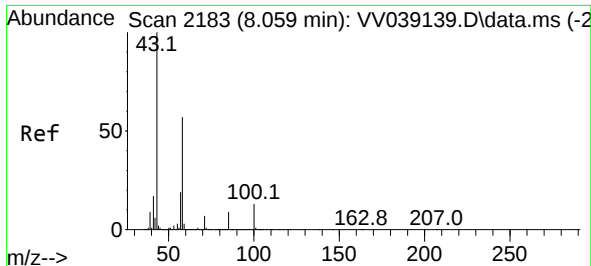
Tgt Ion: 63 Resp: 1245486

Ion Ratio Lower Upper

63 100

106 29.1 22.1 33.1





#59

2-Hexanone

Concen: 231.492 ug/l

RT: 8.063 min Scan# 2183

Delta R.T. 0.004 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

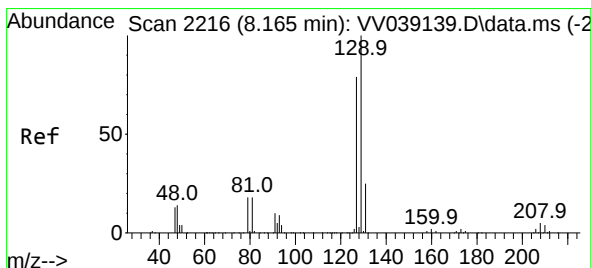
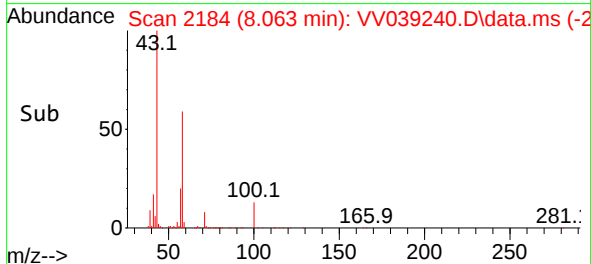
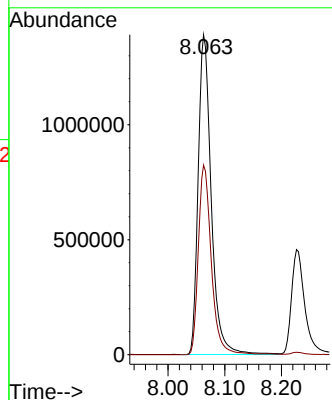
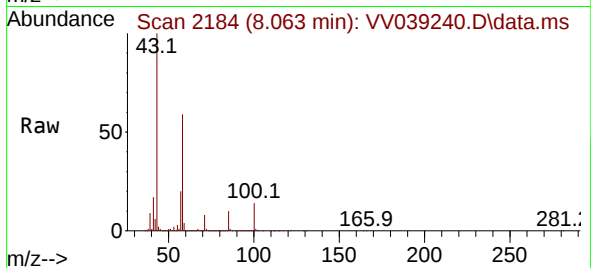
VSTDCCC050EC

Tgt Ion: 43 Resp: 2223832

Ion Ratio Lower Upper

43 100

58 58.9 28.3 85.0



#60

Dibromochloromethane

Concen: 48.019 ug/l

RT: 8.166 min Scan# 2216

Delta R.T. 0.000 min

Lab File: VV039240.D

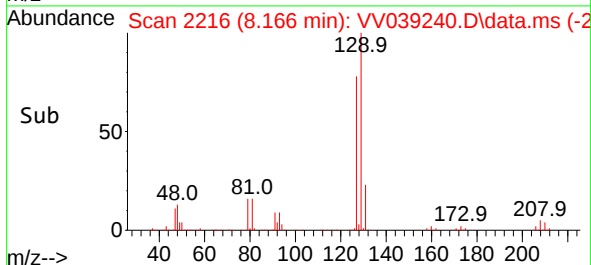
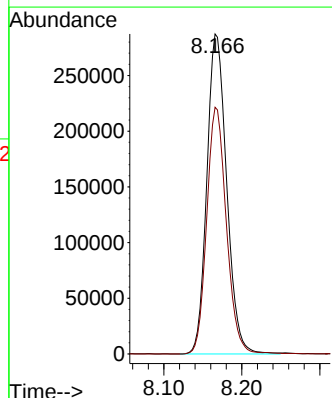
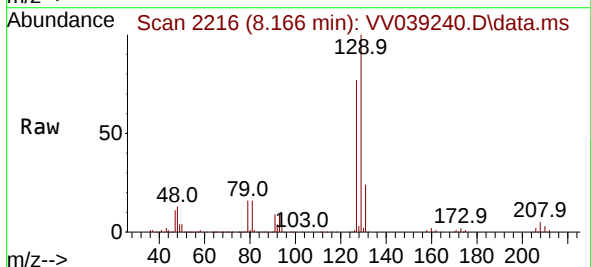
Acq: 29 Sep 2025 18:23

Tgt Ion: 129 Resp: 506852

Ion Ratio Lower Upper

129 100

127 76.3 39.3 117.9

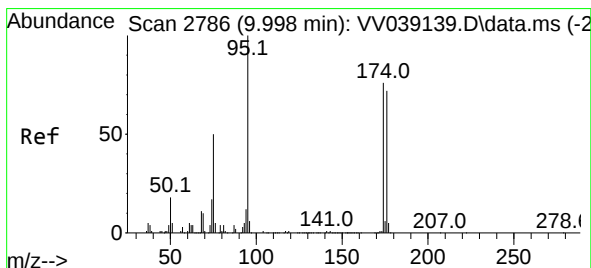
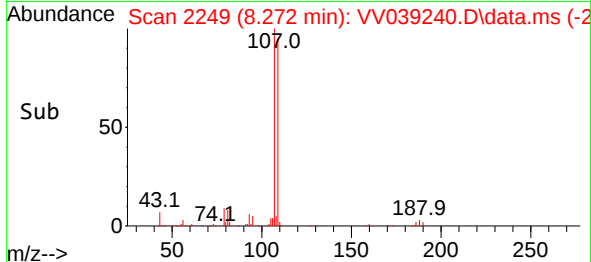
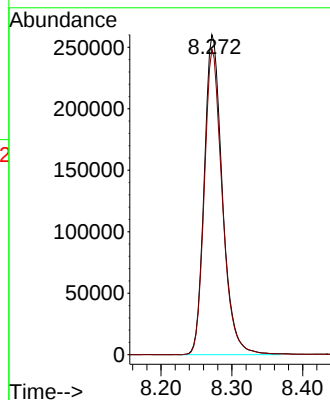
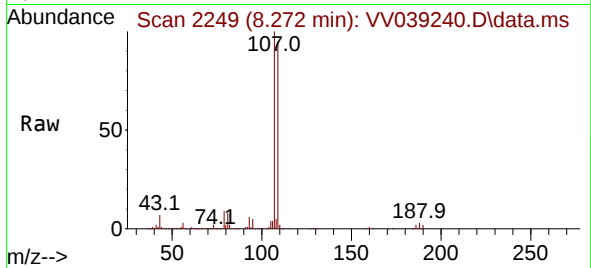




#61  
1,2-Dibromoethane  
Concen: 48.822 ug/l  
RT: 8.272 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

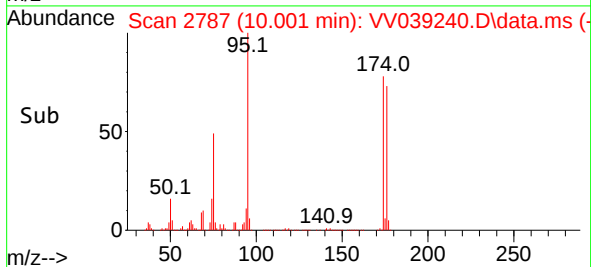
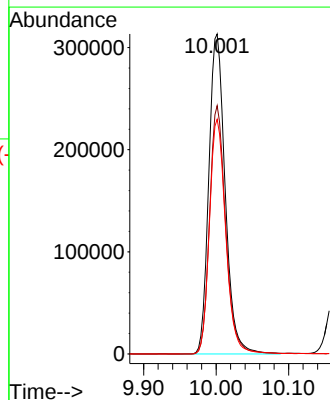
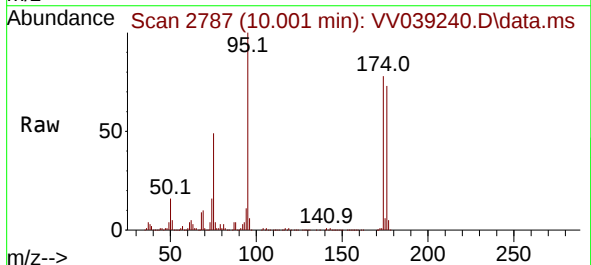
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

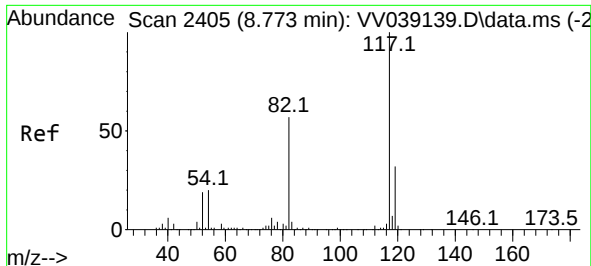
Tgt Ion:107 Resp: 462516  
Ion Ratio Lower Upper  
107 100  
109 94.6 74.6 112.0



#62  
4-Bromofluorobenzene  
Concen: 56.054 ug/l  
RT: 10.001 min Scan# 2787  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 95 Resp: 490511  
Ion Ratio Lower Upper  
95 100  
174 76.2 0.0 150.4  
176 73.1 0.0 144.2

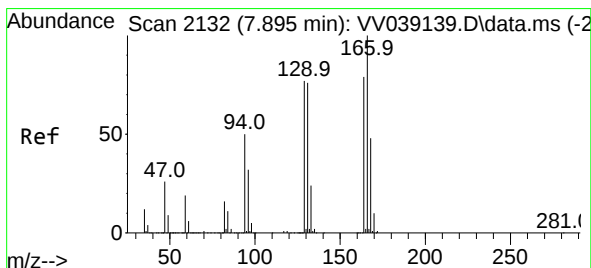
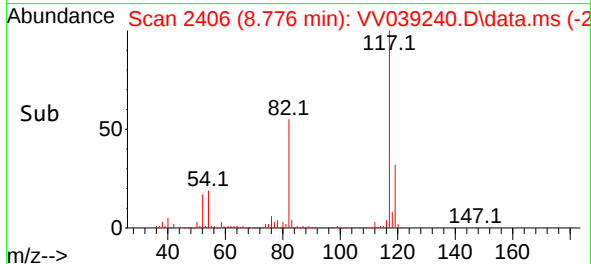
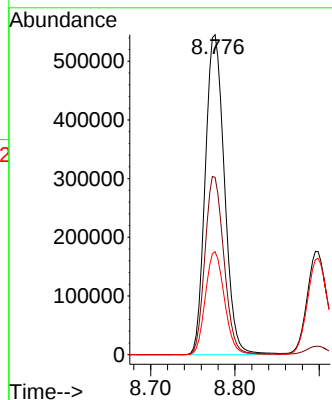
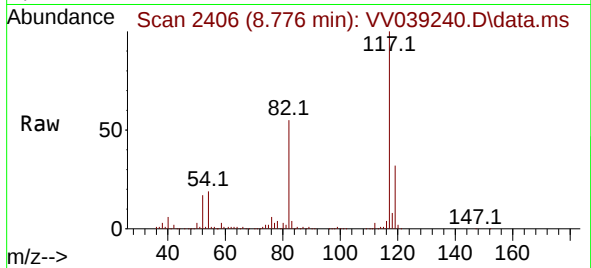




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 8.776 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

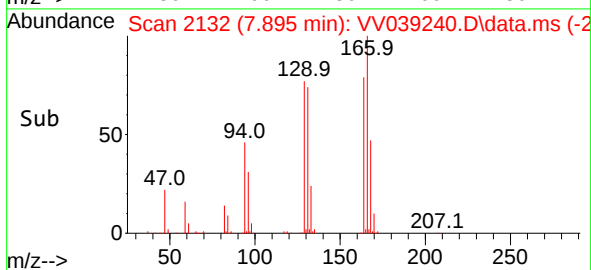
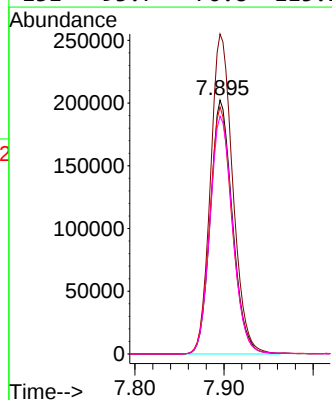
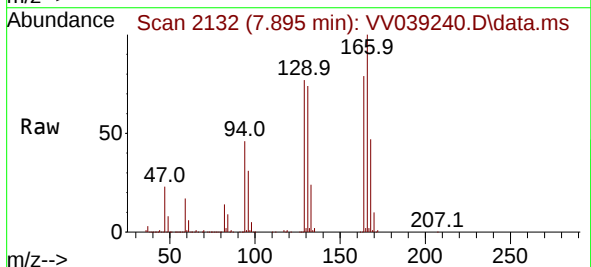
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

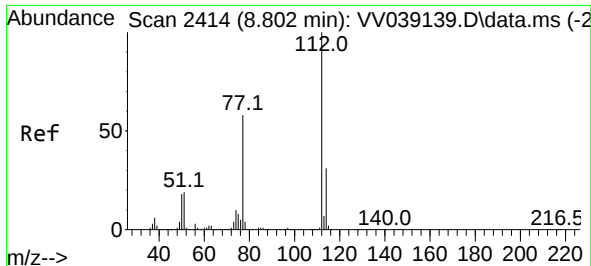
Tgt Ion:117 Resp: 866177  
Ion Ratio Lower Upper  
117 100  
82 55.4 45.4 68.2  
119 32.2 25.6 38.4



#64  
Tetrachloroethene  
Concen: 48.000 ug/l  
RT: 7.895 min Scan# 2132  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion:164 Resp: 348240  
Ion Ratio Lower Upper  
164 100  
166 126.1 101.6 152.4  
129 97.4 78.5 117.7  
131 93.7 76.8 115.2

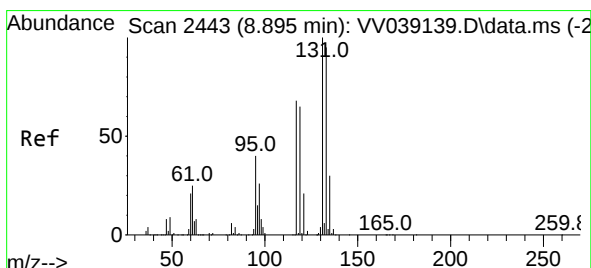
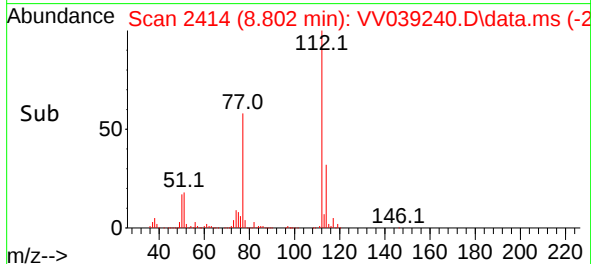
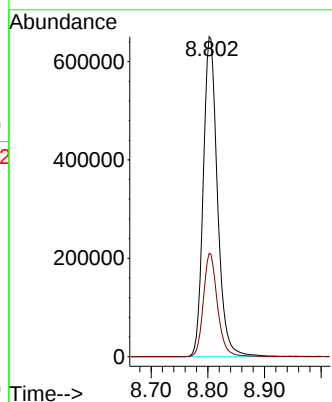
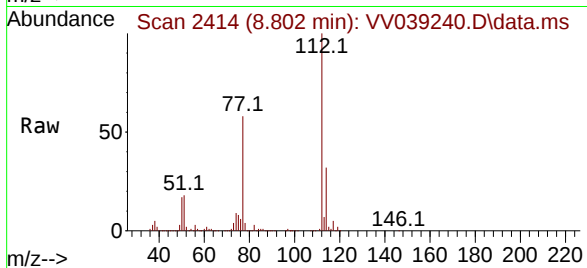




#65  
Chlorobenzene  
Concen: 46.934 ug/l  
RT: 8.802 min Scan# 2414  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

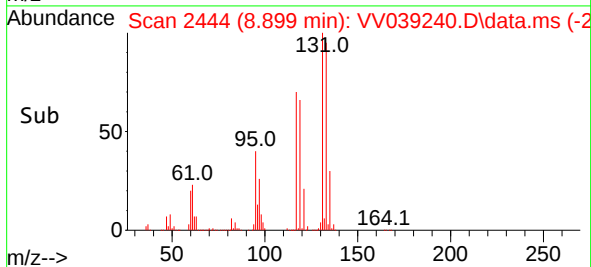
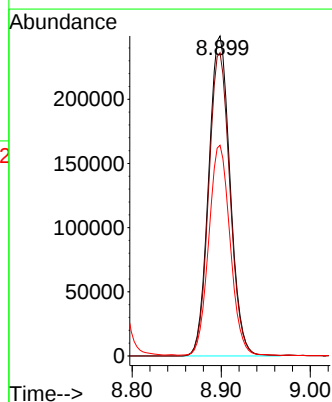
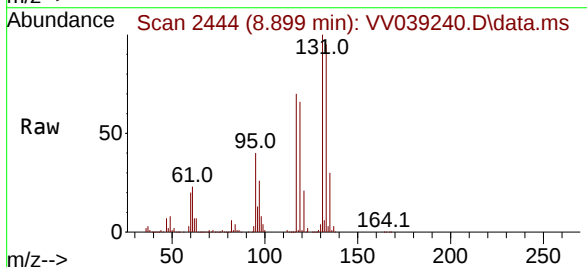
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

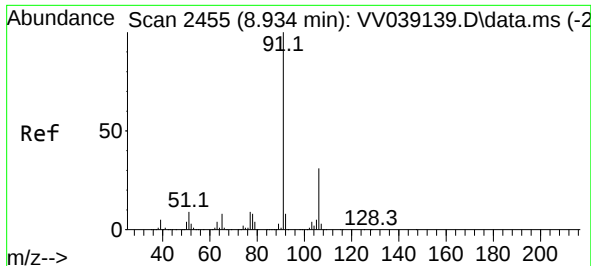
Tgt Ion:112 Resp: 1132376  
Ion Ratio Lower Upper  
112 100  
114 32.3 24.6 37.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 47.731 ug/l  
RT: 8.899 min Scan# 2444  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion:131 Resp: 416105  
Ion Ratio Lower Upper  
131 100  
133 94.1 47.3 141.8  
119 65.5 33.3 99.8





#67

Ethyl Benzene

Concen: 50.838 ug/l

RT: 8.937 min Scan# 2455

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

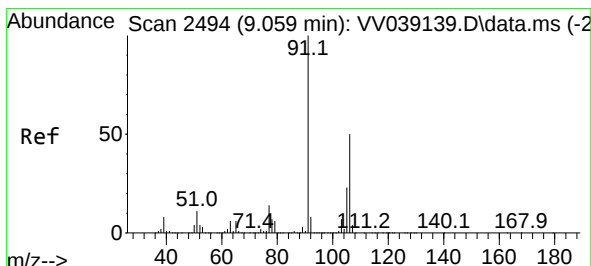
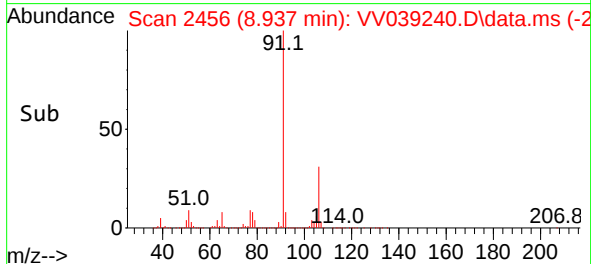
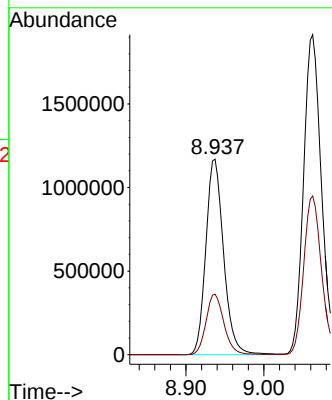
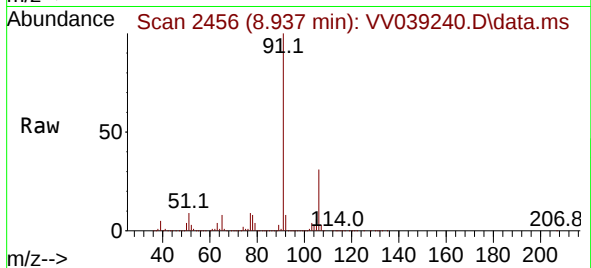
VSTDCCC050EC

Tgt Ion: 91 Resp: 1856667

Ion Ratio Lower Upper

91 100

106 30.9 24.6 37.0



#68

m/p-Xylenes

Concen: 107.875 ug/l

RT: 9.063 min Scan# 2495

Delta R.T. 0.004 min

Lab File: VV039240.D

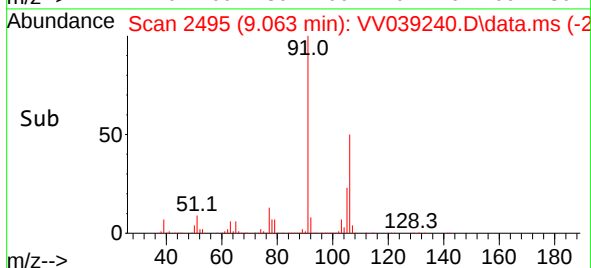
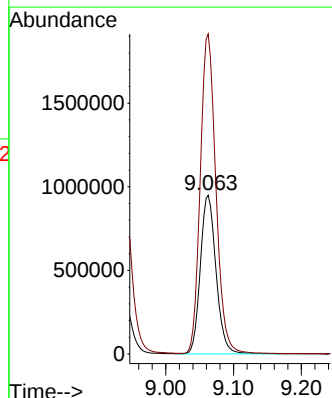
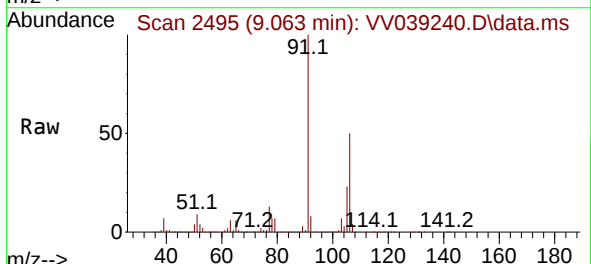
Acq: 29 Sep 2025 18:23

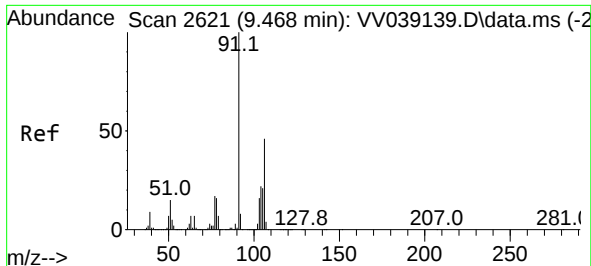
Tgt Ion: 106 Resp: 1520585

Ion Ratio Lower Upper

106 100

91 201.5 162.5 243.7





#69

o-Xylene

Concen: 54.066 ug/l

RT: 9.468 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

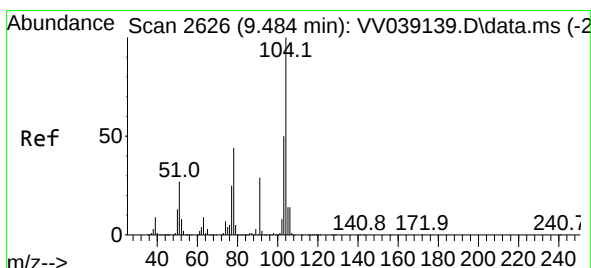
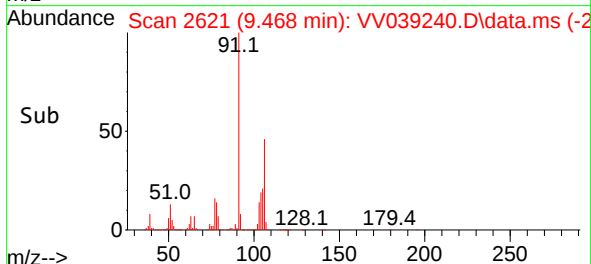
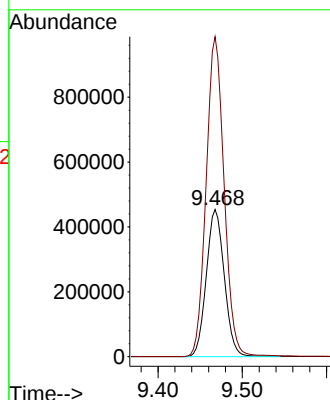
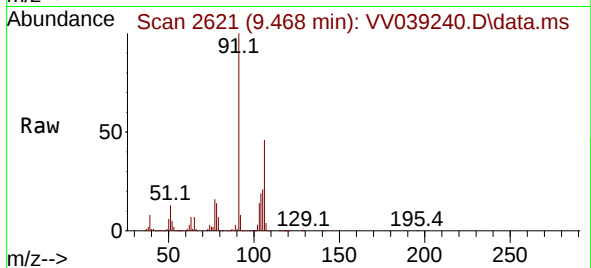
VSTDCCC050EC

Tgt Ion:106 Resp: 674798

Ion Ratio Lower Upper

106 100

91 217.2 109.1 327.3



#70

Styrene

Concen: 48.430 ug/l

RT: 9.484 min Scan# 2626

Delta R.T. -0.000 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

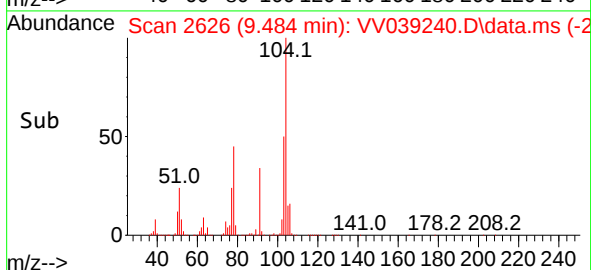
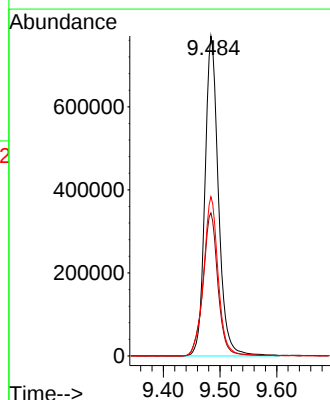
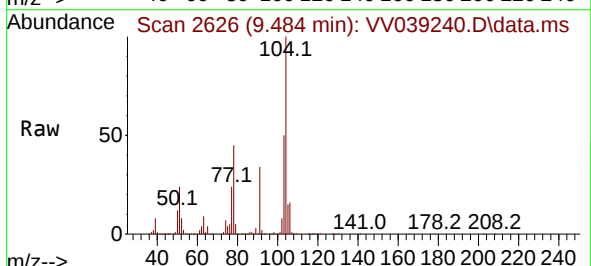
Tgt Ion:104 Resp: 1279362

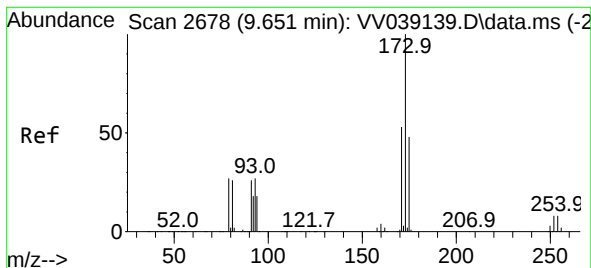
Ion Ratio Lower Upper

104 100

78 49.0 39.8 59.6

103 53.8 43.4 65.2





#71

Bromoform

Concen: 51.995 ug/l

RT: 9.654 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

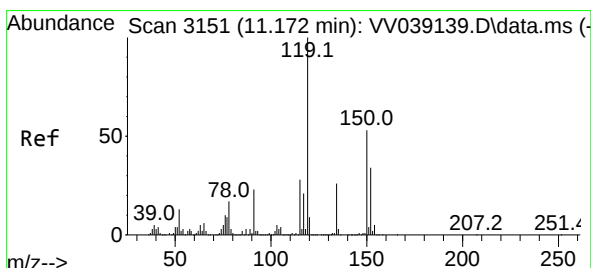
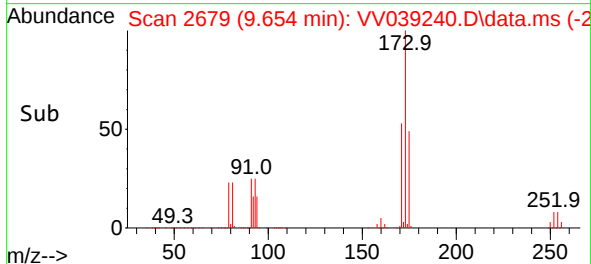
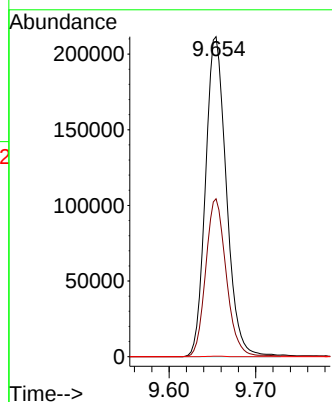
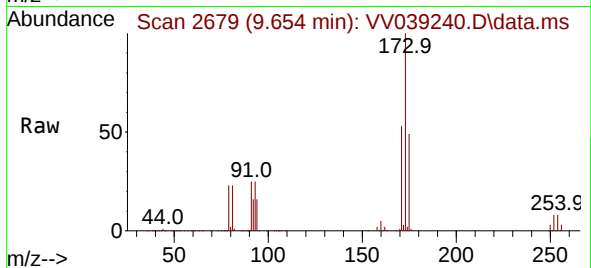
Tgt Ion:173 Resp: 354063

Ion Ratio Lower Upper

173 100

175 48.8 23.9 71.7

254 0.1 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

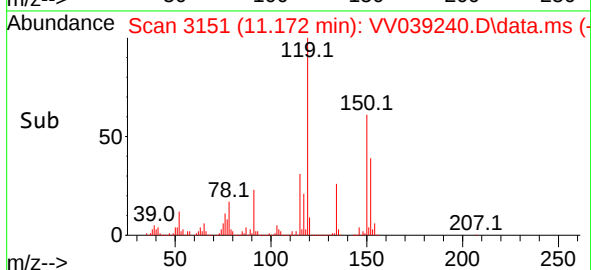
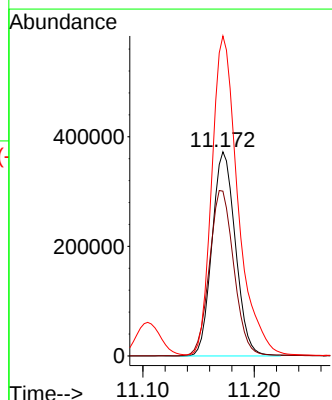
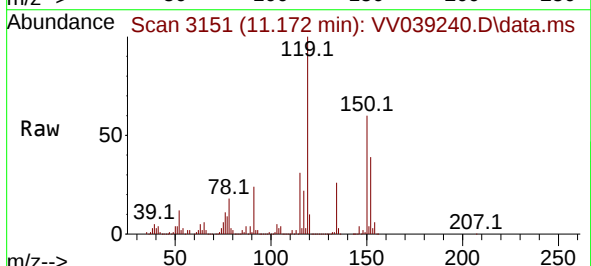
Tgt Ion:152 Resp: 543818

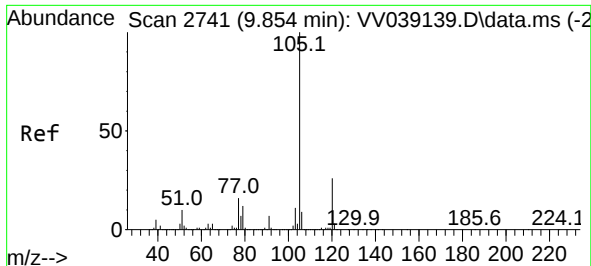
Ion Ratio Lower Upper

152 100

115 84.6 44.8 134.4

150 175.2 0.0 353.8

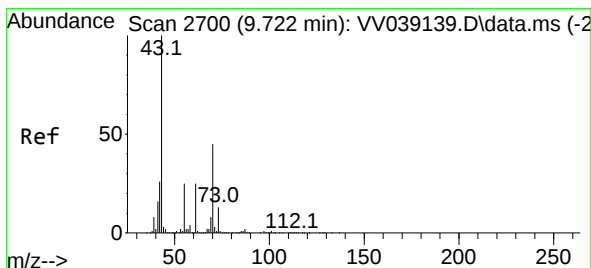
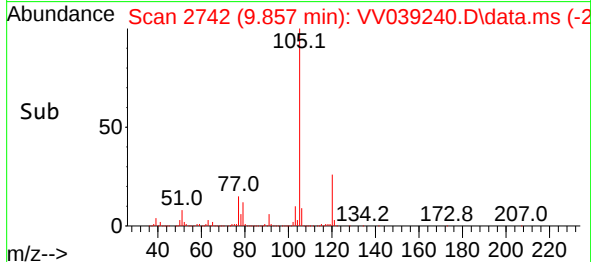
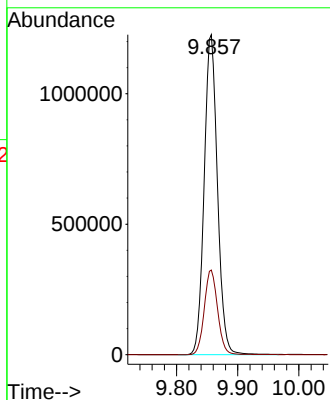
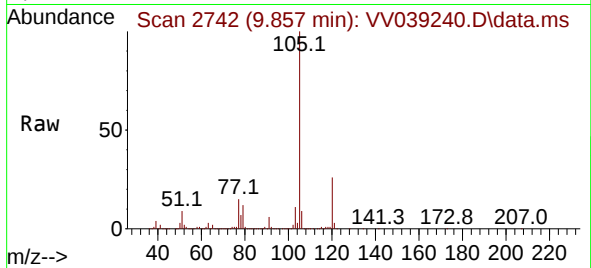




#73  
Isopropylbenzene  
Concen: 46.870 ug/l  
RT: 9.857 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

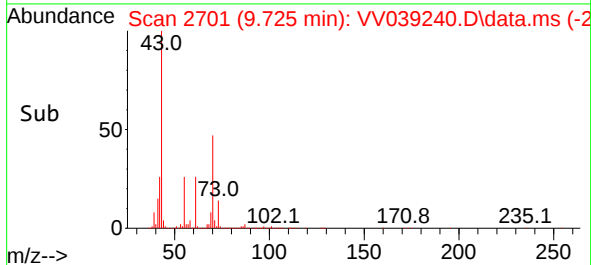
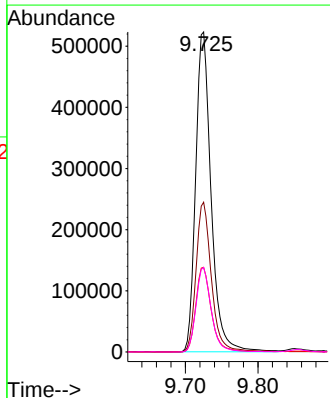
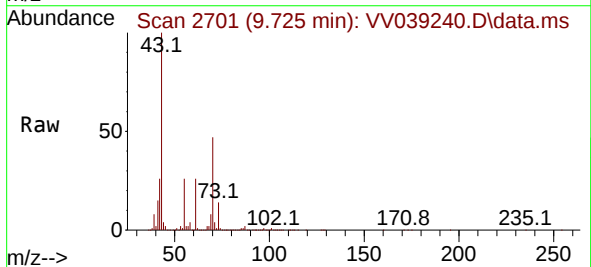
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

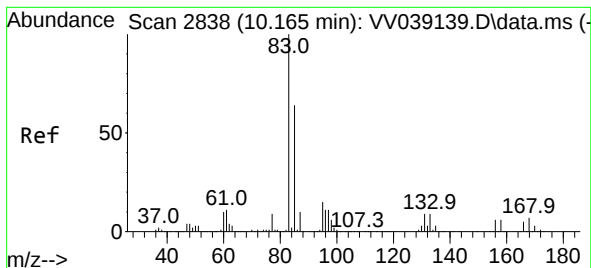
Tgt Ion:105 Resp: 1848710  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.1 39.1



#74  
N-ethyl acetate  
Concen: 49.187 ug/l  
RT: 9.725 min Scan# 2701  
Delta R.T. 0.003 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 43 Resp: 773873  
Ion Ratio Lower Upper  
43 100  
70 46.5 35.4 53.0  
55 26.6 20.6 30.8  
61 26.0 19.5 29.3

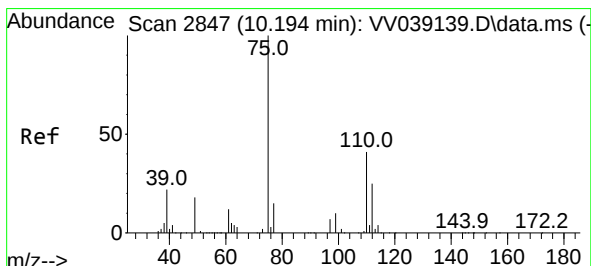
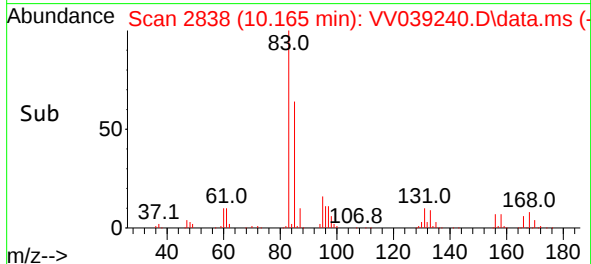
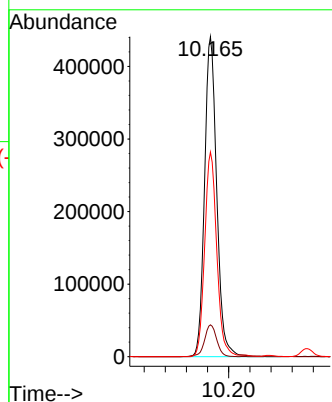
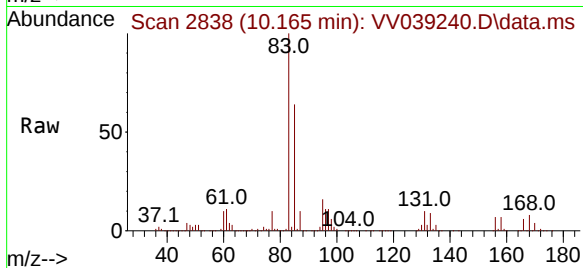




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 40.734 ug/l  
 RT: 10.165 min Scan# 2838  
 Delta R.T. 0.000 min  
 Lab File: VV039240.D  
 Acq: 29 Sep 2025 18:23

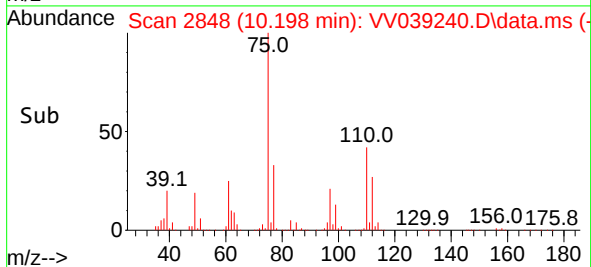
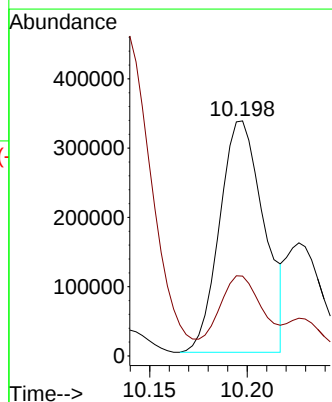
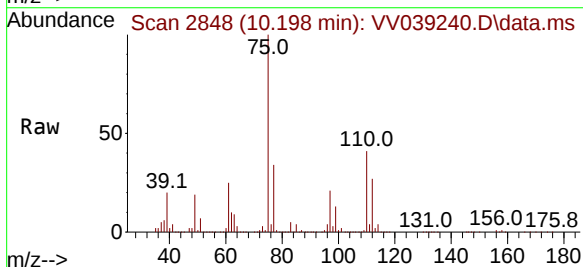
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

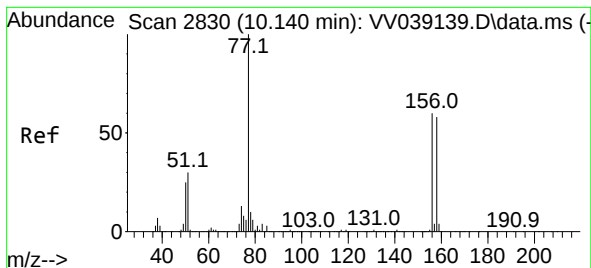
Tgt Ion: 83 Resp: 703973  
 Ion Ratio Lower Upper  
 83 100  
 131 10.0 4.5 13.7  
 85 63.3 31.9 95.9



#76  
 1,2,3-Trichloropropane  
 Concen: 42.833 ug/l  
 RT: 10.198 min Scan# 2848  
 Delta R.T. 0.003 min  
 Lab File: VV039240.D  
 Acq: 29 Sep 2025 18:23

Tgt Ion: 75 Resp: 530357  
 Ion Ratio Lower Upper  
 75 100  
 77 23.7 11.3 33.8





#77

Bromobenzene

Concen: 47.059 ug/l

RT: 10.140 min Scan# 2830

Delta R.T. 0.000 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

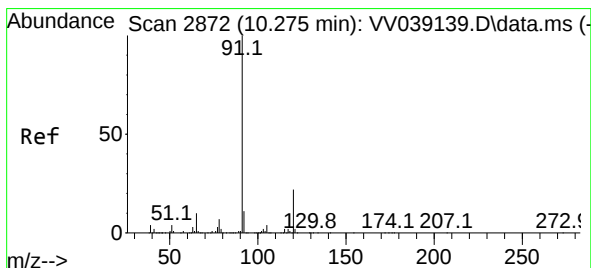
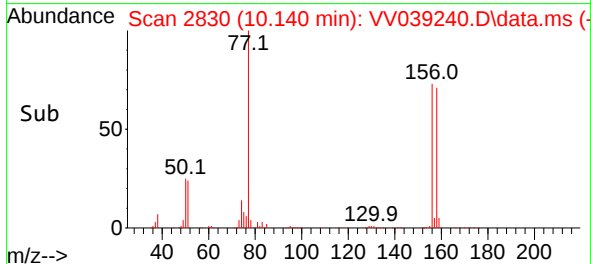
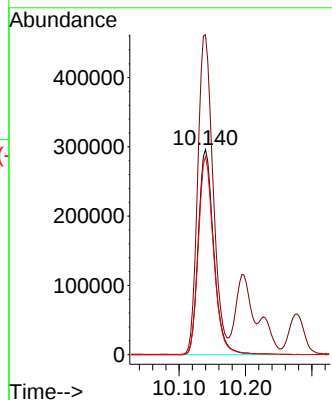
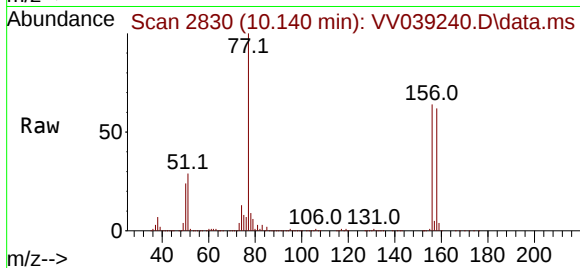
Tgt Ion:156 Resp: 481573

Ion Ratio Lower Upper

156 100

77 154.2 83.4 250.1

158 95.1 48.8 146.4



#78

n-propylbenzene

Concen: 46.597 ug/l

RT: 10.278 min Scan# 2873

Delta R.T. 0.003 min

Lab File: VV039240.D

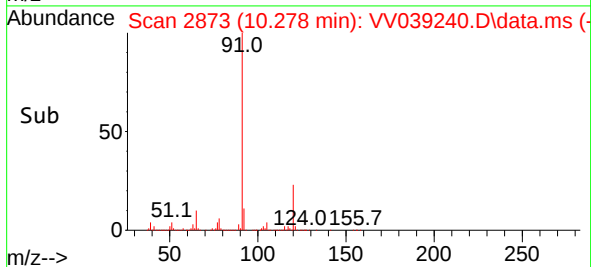
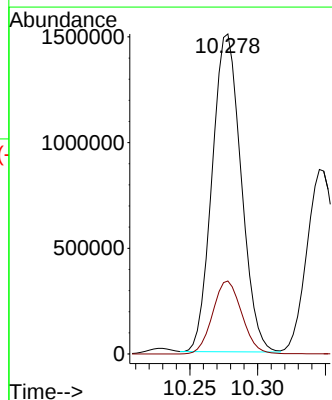
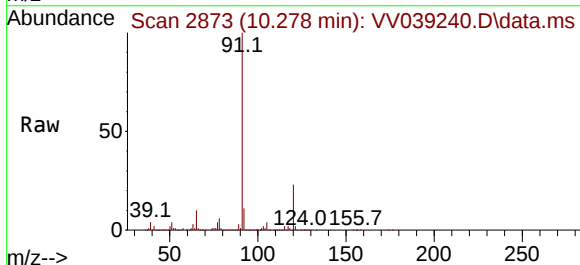
Acq: 29 Sep 2025 18:23

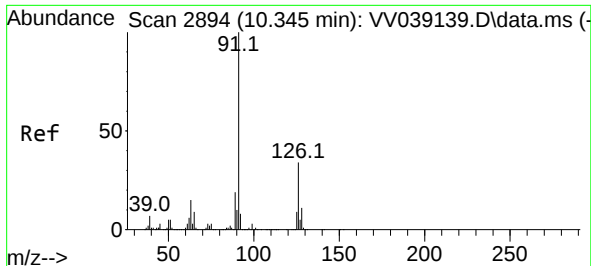
Tgt Ion: 91 Resp: 2238148

Ion Ratio Lower Upper

91 100

120 23.2 11.1 33.3

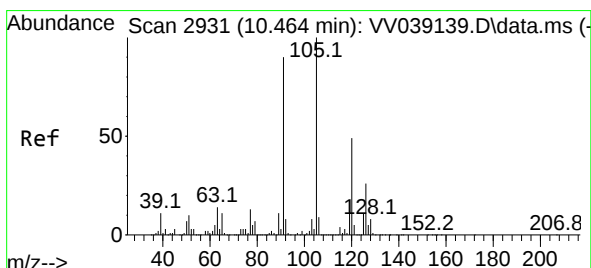
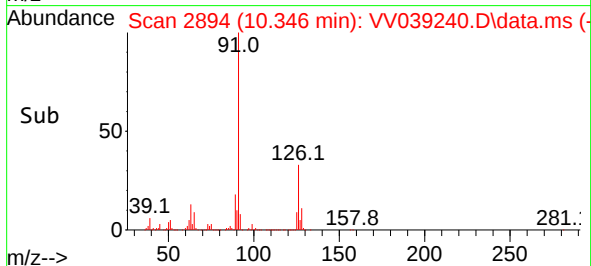
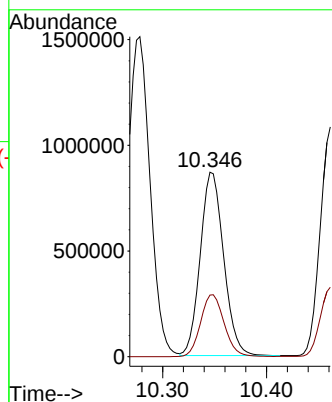
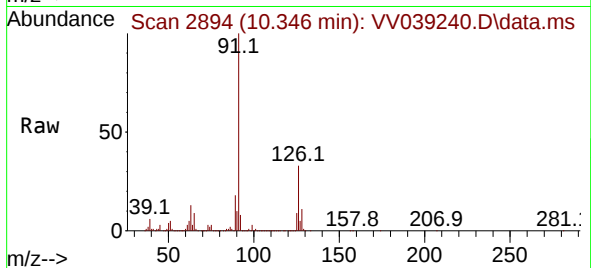




#79  
2-Chlorotoluene  
Concen: 47.245 ug/l  
RT: 10.346 min Scan# 2894  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

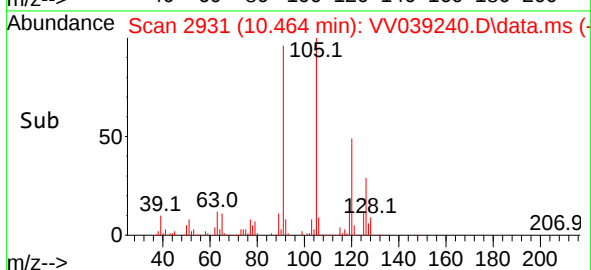
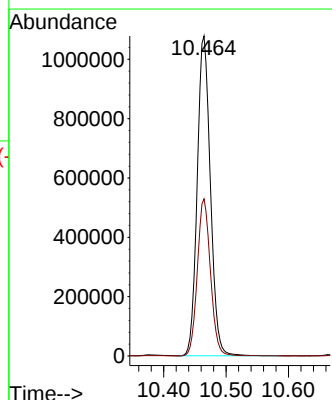
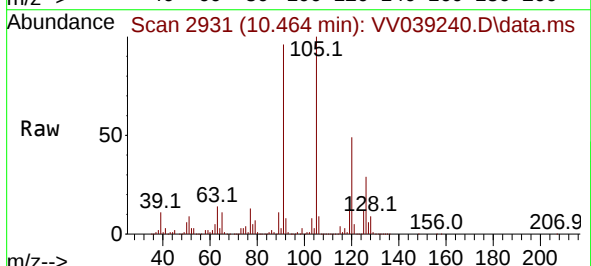
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

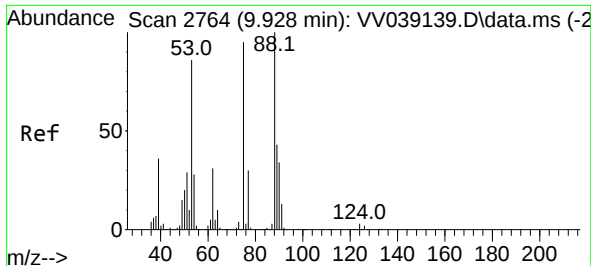
Tgt Ion: 91 Resp: 1357873  
Ion Ratio Lower Upper  
91 100  
126 34.0 16.7 50.0



#80  
1,3,5-Trimethylbenzene  
Concen: 48.280 ug/l  
RT: 10.464 min Scan# 2931  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 105 Resp: 1582851  
Ion Ratio Lower Upper  
105 100  
120 49.0 24.3 72.8

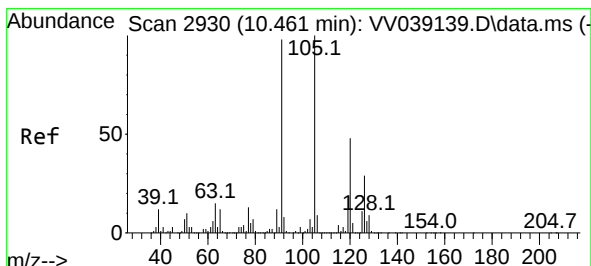
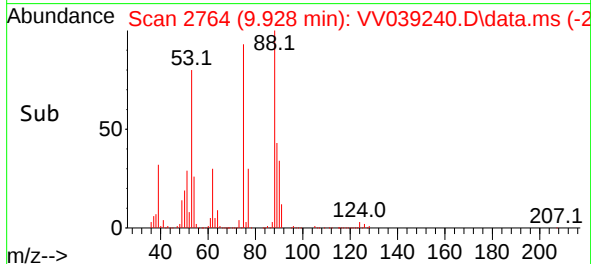
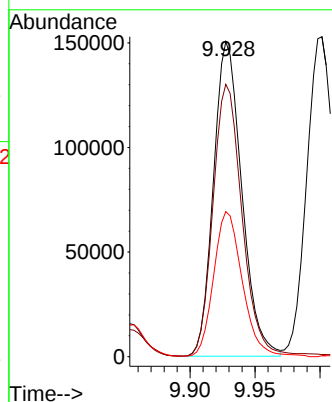
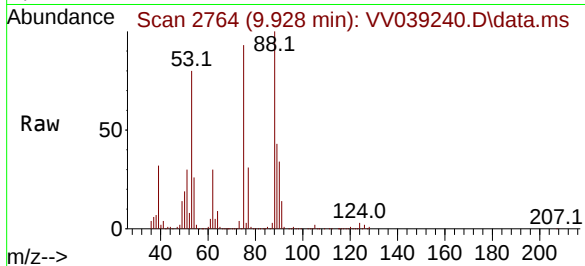




#81  
trans-1,4-Dichloro-2-butene  
Concen: 44.166 ug/l  
RT: 9.928 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

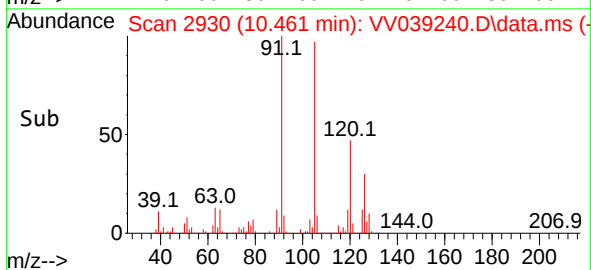
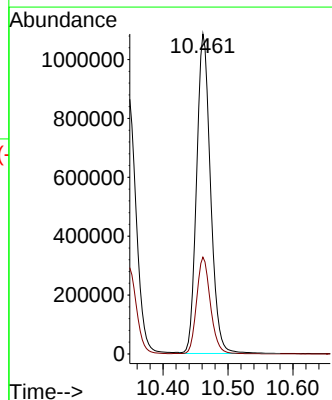
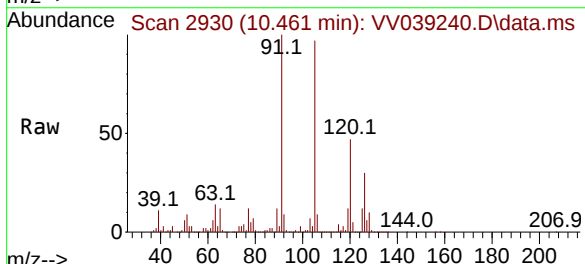
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

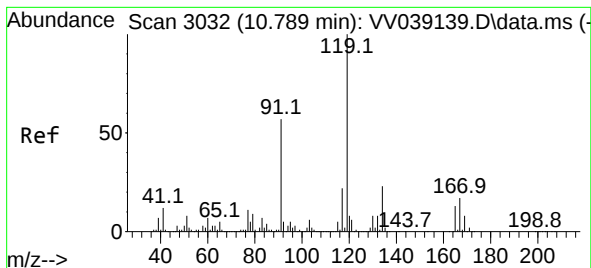
Tgt Ion: 75 Resp: 227792  
Ion Ratio Lower Upper  
75 100  
53 89.5 72.5 108.7  
89 46.9 37.2 55.8



#82  
4-Chlorotoluene  
Concen: 48.622 ug/l  
RT: 10.461 min Scan# 2930  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion: 91 Resp: 1620440  
Ion Ratio Lower Upper  
91 100  
126 30.1 14.5 43.6





#83

tert-Butylbenzene

Concen: 46.049 ug/l

RT: 10.789 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

VSTDC0050EC

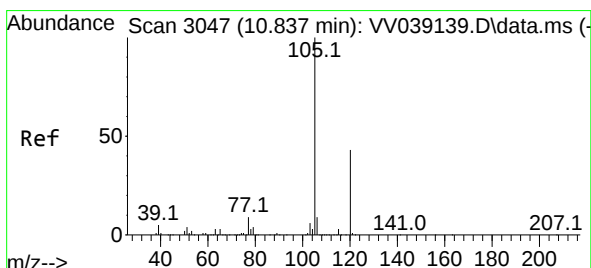
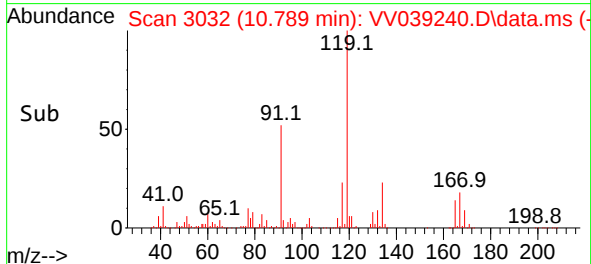
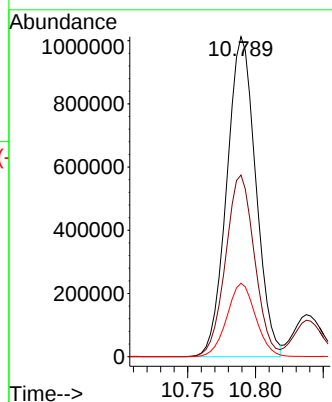
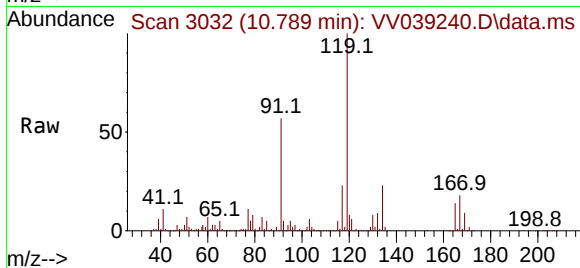
Tgt Ion:119 Resp: 1505420

Ion Ratio Lower Upper

119 100

91 56.6 28.5 85.6

134 22.8 11.5 34.4



#84

1,2,4-Trimethylbenzene

Concen: 50.384 ug/l

RT: 10.837 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VV039240.D

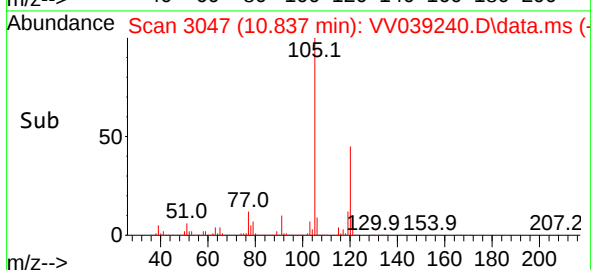
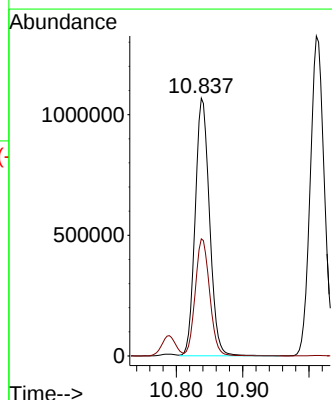
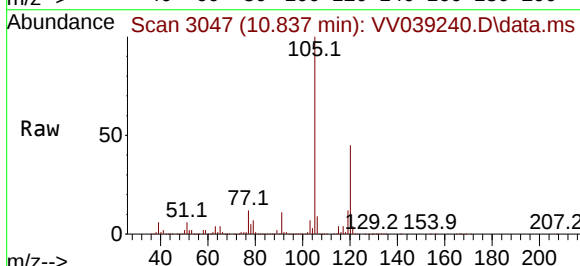
Acq: 29 Sep 2025 18:23

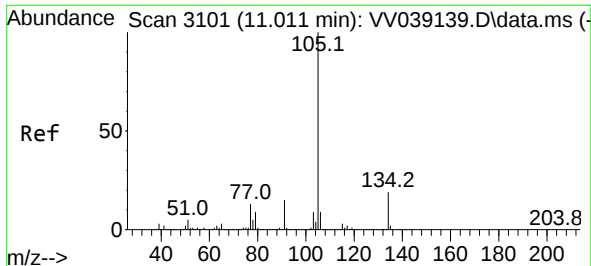
Tgt Ion:105 Resp: 1603654

Ion Ratio Lower Upper

105 100

120 45.5 22.4 67.2

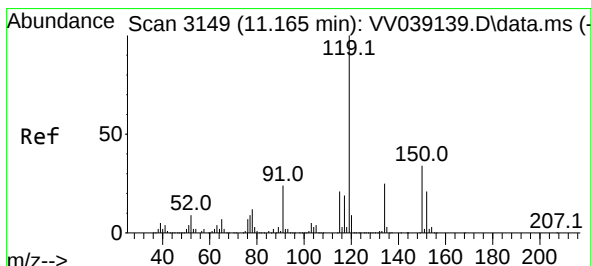
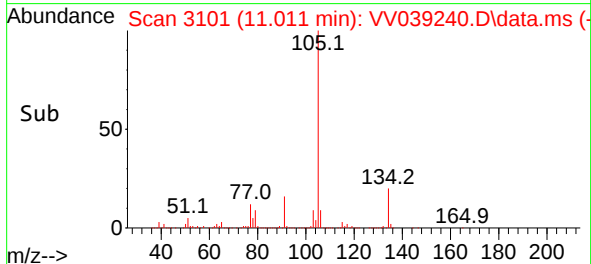
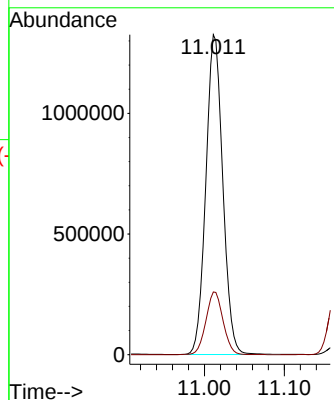
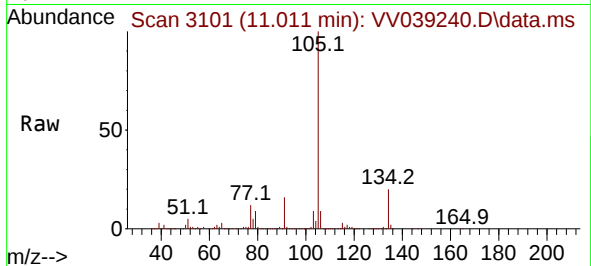




#85  
 sec-Butylbenzene  
 Concen: 44.968 ug/l  
 RT: 11.011 min Scan# 3101  
 Delta R.T. 0.000 min  
 Lab File: VV039240.D  
 Acq: 29 Sep 2025 18:23

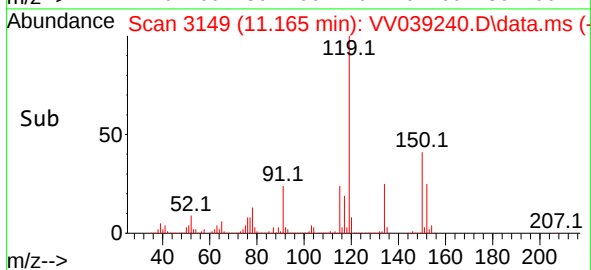
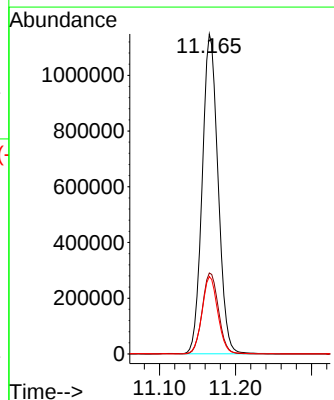
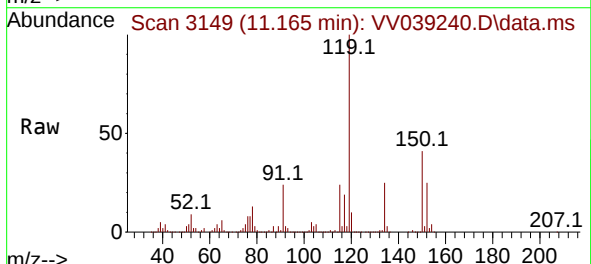
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

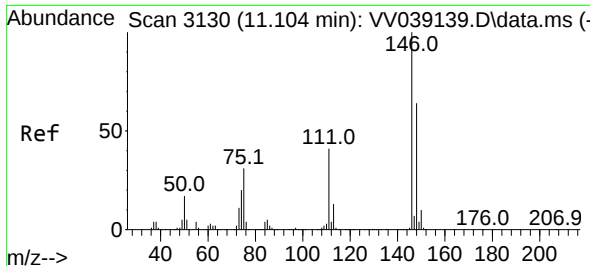
Tgt Ion:105 Resp: 1949858  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 9.6 28.8



#86  
 p-Isopropyltoluene  
 Concen: 45.984 ug/l  
 RT: 11.165 min Scan# 3149  
 Delta R.T. 0.000 min  
 Lab File: VV039240.D  
 Acq: 29 Sep 2025 18:23

Tgt Ion:119 Resp: 1659546  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 12.7 38.0  
 91 23.9 12.0 36.1

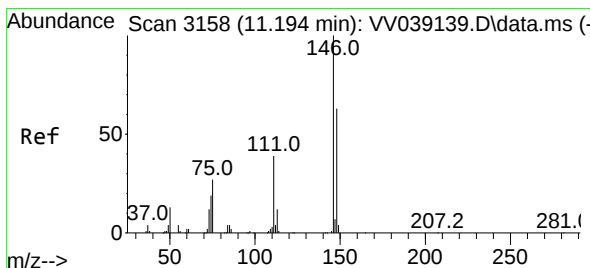
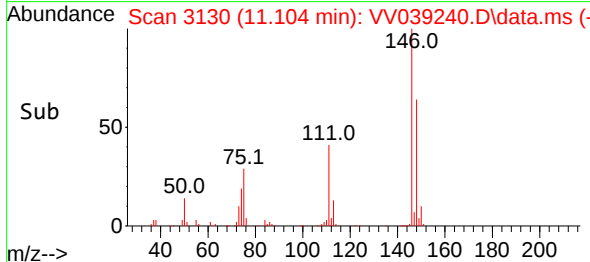
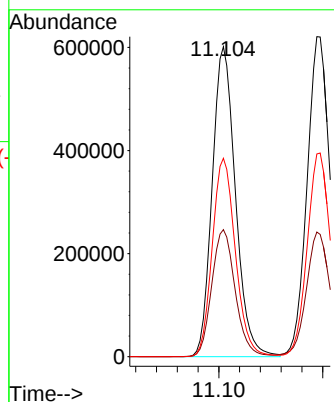
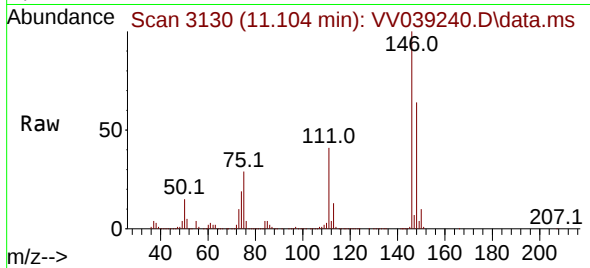




#87  
1,3-Dichlorobenzene  
Concen: 45.074 ug/l  
RT: 11.104 min Scan# 3130  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

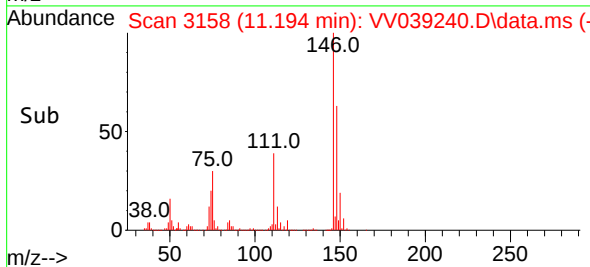
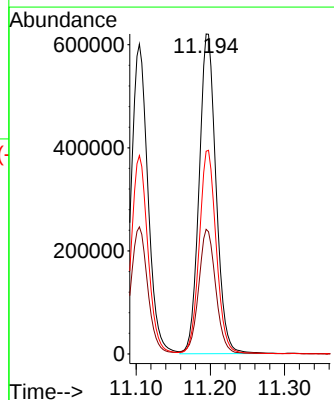
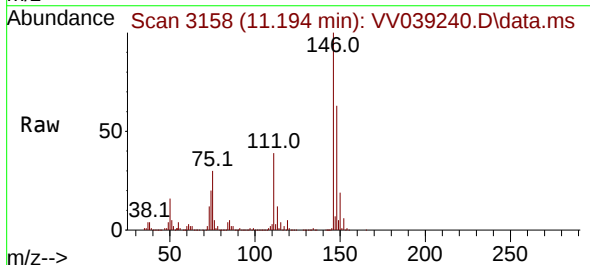
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

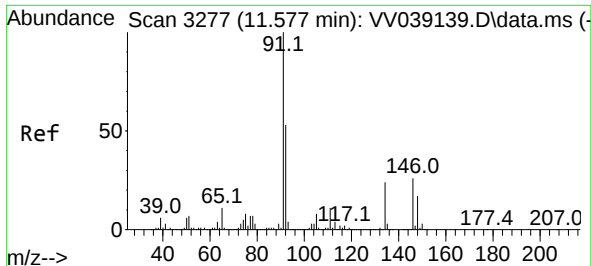
Tgt Ion:146 Resp: 933520  
Ion Ratio Lower Upper  
146 100  
111 41.4 20.9 62.8  
148 63.8 31.8 95.3



#88  
1,4-Dichlorobenzene  
Concen: 43.343 ug/l  
RT: 11.194 min Scan# 3158  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion:146 Resp: 984844  
Ion Ratio Lower Upper  
146 100  
111 39.2 20.3 60.8  
148 63.7 31.4 94.2





#89

n-Butylbenzene

Concen: 45.163 ug/l

RT: 11.580 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV039240.D

Acq: 29 Sep 2025 18:23

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

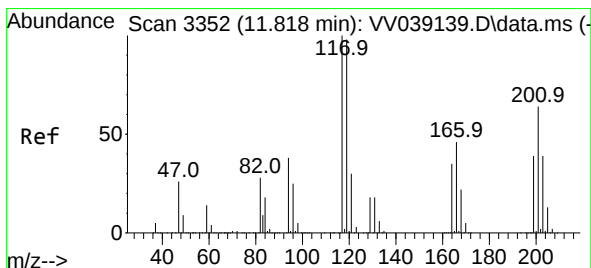
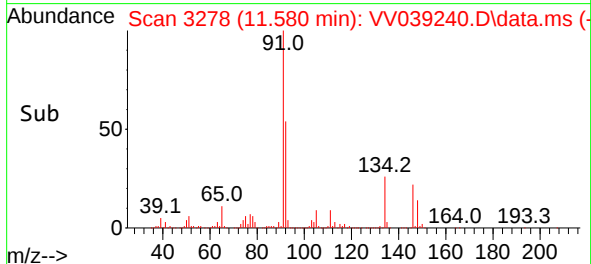
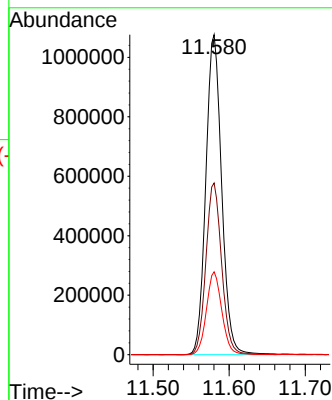
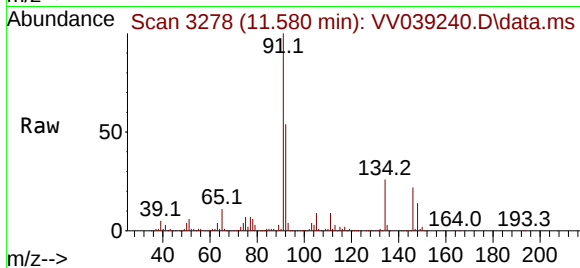
Tgt Ion: 91 Resp: 1556647

Ion Ratio Lower Upper

91 100

92 53.4 26.6 79.8

134 25.2 12.1 36.3



#90

Hexachloroethane

Concen: 37.648 ug/l

RT: 11.818 min Scan# 3352

Delta R.T. 0.000 min

Lab File: VV039240.D

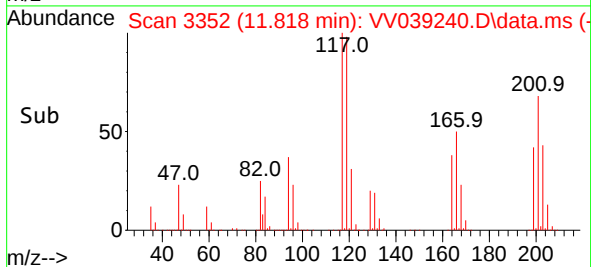
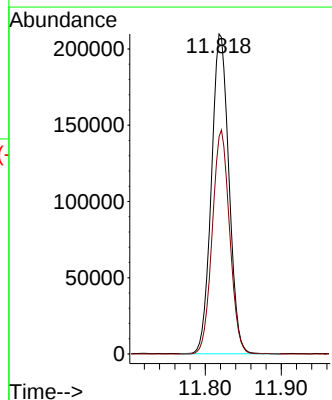
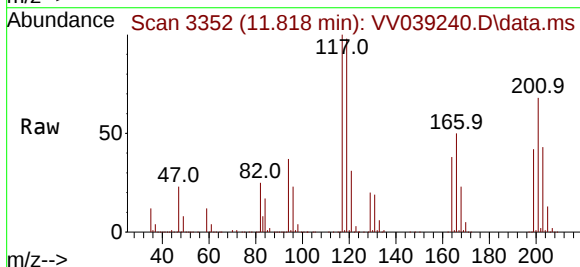
Acq: 29 Sep 2025 18:23

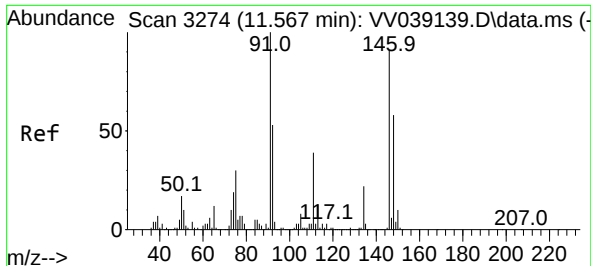
Tgt Ion: 117 Resp: 334589

Ion Ratio Lower Upper

117 100

201 69.5 32.3 96.8

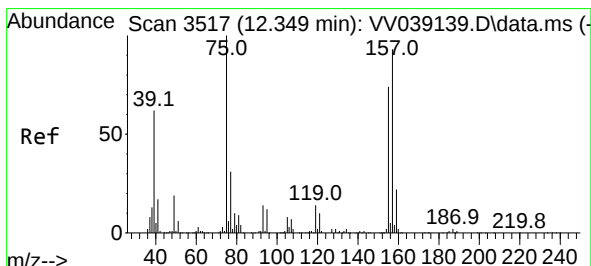
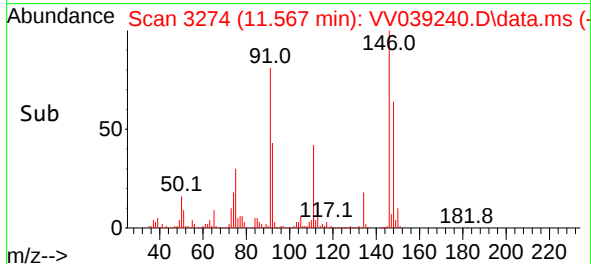
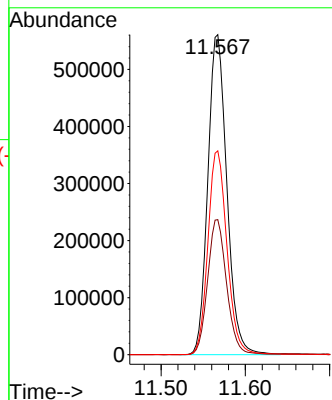
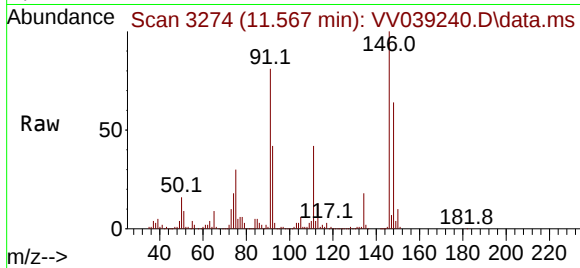




#91  
 1,2-Dichlorobenzene  
 Concen: 45.526 ug/l  
 RT: 11.567 min Scan# 311  
 Delta R.T. 0.000 min  
 Lab File: VV039240.D  
 Acq: 29 Sep 2025 18:23

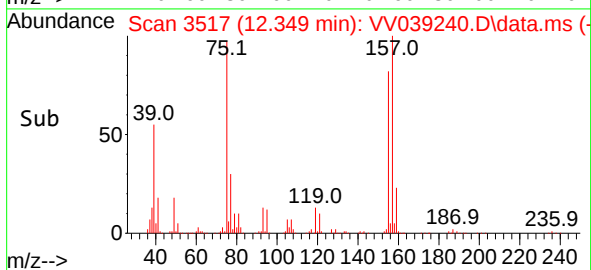
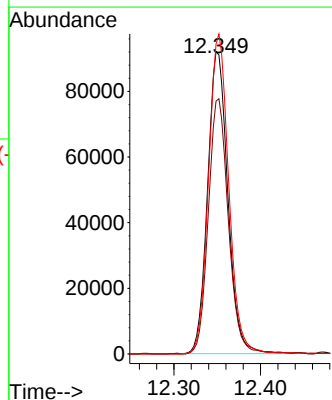
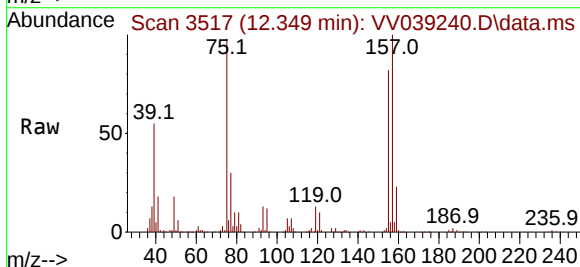
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 ClientSampleId :  
 VSTDCCC050EC

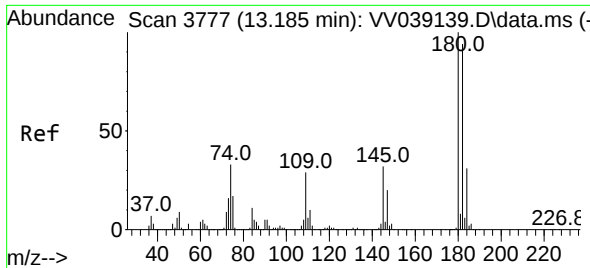
Tgt Ion:146 Resp: 880915  
 Ion Ratio Lower Upper  
 146 100  
 111 42.5 21.5 64.5  
 148 64.0 31.9 95.7



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.180 ug/l  
 RT: 12.349 min Scan# 3517  
 Delta R.T. -0.000 min  
 Lab File: VV039240.D  
 Acq: 29 Sep 2025 18:23

Tgt Ion: 75 Resp: 149548  
 Ion Ratio Lower Upper  
 75 100  
 155 83.5 38.6 115.8  
 157 105.6 49.5 148.3

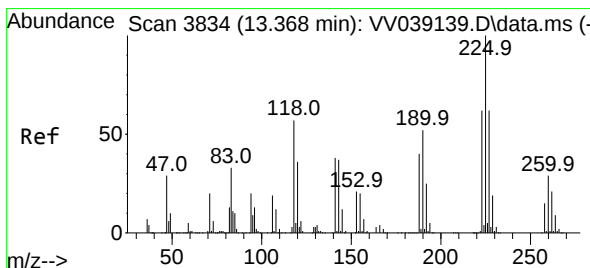
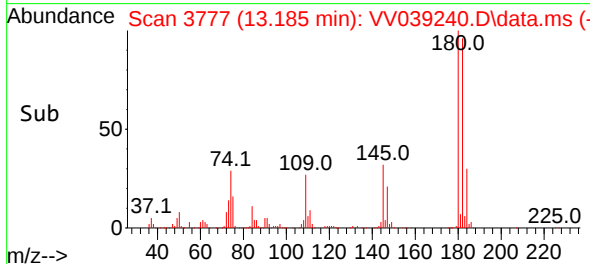
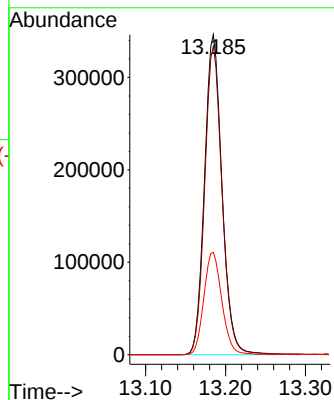
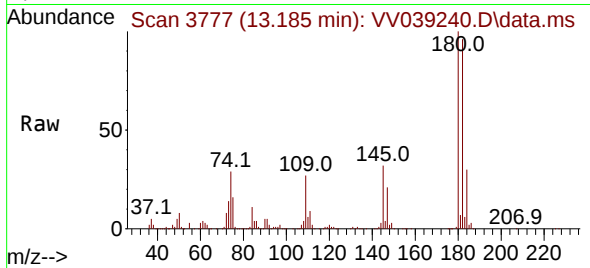




#93  
1,2,4-Trichlorobenzene  
Concen: 47.619 ug/l  
RT: 13.185 min Scan# 3777  
Delta R.T. -0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

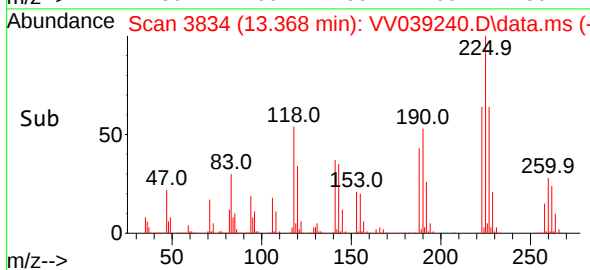
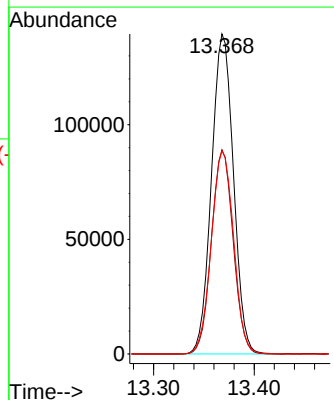
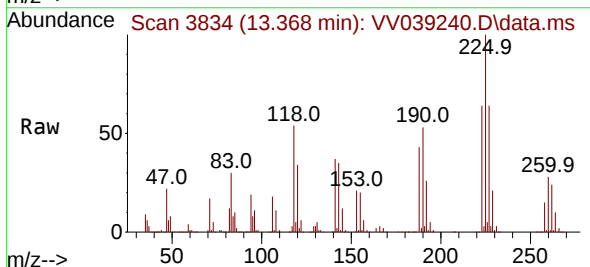
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

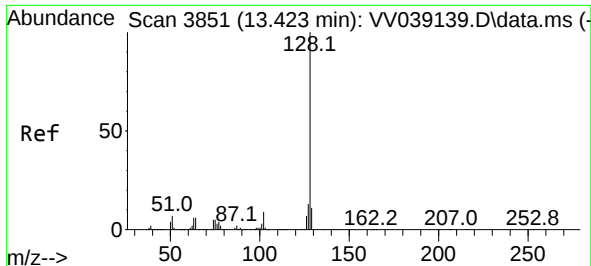
Tgt Ion:180 Resp: 528187  
Ion Ratio Lower Upper  
180 100  
182 95.8 47.1 141.4  
145 32.9 16.3 48.8



#94  
Hexachlorobutadiene  
Concen: 36.746 ug/l  
RT: 13.368 min Scan# 3834  
Delta R.T. -0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion:225 Resp: 211786  
Ion Ratio Lower Upper  
225 100  
223 63.1 31.6 94.7  
227 64.5 31.8 95.4

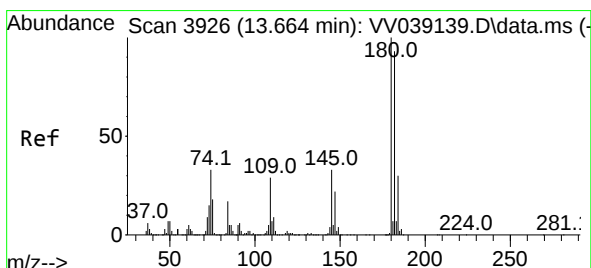
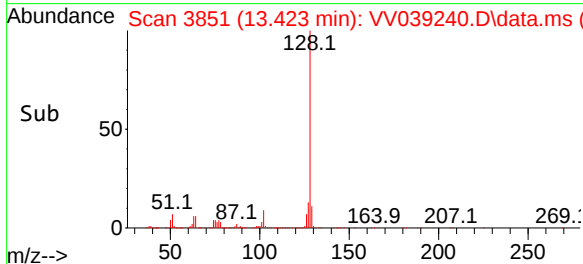
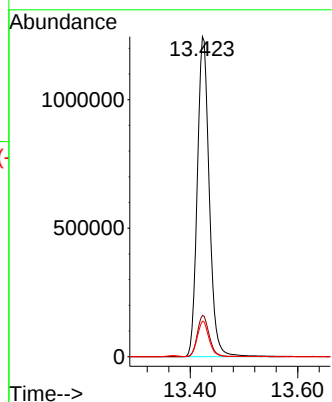
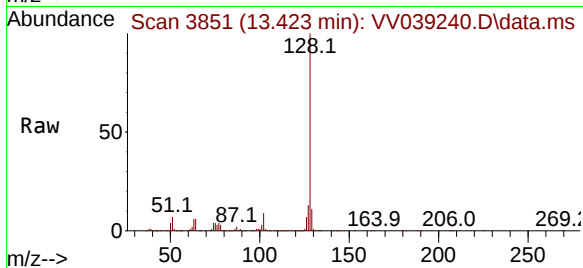




#95  
Naphthalene  
Concen: 53.612 ug/l  
RT: 13.423 min Scan# 3851  
Delta R.T. -0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 1922063  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.3 15.5  
129 10.8 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 48.016 ug/l  
RT: 13.664 min Scan# 3926  
Delta R.T. 0.000 min  
Lab File: VV039240.D  
Acq: 29 Sep 2025 18:23

Tgt Ion:180 Resp: 544724  
Ion Ratio Lower Upper  
180 100  
182 94.5 46.9 140.8  
145 34.4 17.0 51.0

