

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092625\  
 Data File : VV039219.D  
 Acq On : 26 Sep 2025 17:35  
 Operator : SY/MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Sep 29 07:54:39 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  | 536263   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.535  | 114  | 799353   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 8.776  | 117  | 781290   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.172 | 152  | 491363   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 4.944  | 65    | 324652   | 41.829   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 81 - 118 | Recovery | =    | 83.660%  |
| 35) Dibromofluoromethane  | 4.500  | 113   | 316310   | 49.222   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 80 - 119 | Recovery | =    | 98.440%  |
| 50) Toluene-d8            | 7.236  | 98    | 920323   | 48.762   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 89 - 112 | Recovery | =    | 97.520%  |
| 62) 4-Bromofluorobenzene  | 10.001 | 95    | 421785   | 54.285   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 85 - 114 | Recovery | =    | 108.580% |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.121 | 85  | 414447  | 48.821  | ug/l | 98     |
| 3) Chloromethane             | 1.230 | 50  | 393317  | 43.159  | ug/l | 99     |
| 4) Vinyl Chloride            | 1.298 | 62  | 438178  | 44.912  | ug/l | 100    |
| 5) Bromomethane              | 1.494 | 94  | 277145  | 45.062  | ug/l | 99     |
| 6) Chloroethane              | 1.558 | 64  | 276597  | 48.011  | ug/l | 94     |
| 7) Trichlorofluoromethane    | 1.725 | 101 | 644877  | 45.654  | ug/l | 99     |
| 8) Diethyl Ether             | 1.918 | 74  | 244037  | 46.538  | ug/l | 93     |
| 9) 1,1,2-Trichlorotrifluo... | 2.082 | 101 | 409145  | 48.681  | ug/l | 98     |
| 10) Methyl Iodide            | 2.198 | 142 | 392800  | 49.078  | ug/l | 99     |
| 11) Tert butyl alcohol       | 2.568 | 59  | 403011  | 245.682 | ug/l | 98     |
| 12) 1,1-Dichloroethene       | 2.082 | 96  | 383659  | 47.451  | ug/l | 91     |
| 13) Acrolein                 | 2.011 | 56  | 58635   | 205.997 | ug/l | 98     |
| 14) Allyl chloride           | 2.359 | 41  | 629423  | 43.580  | ug/l | 96     |
| 15) Acrylonitrile            | 2.674 | 53  | 1189300 | 226.167 | ug/l | 98     |
| 16) Acetone                  | 2.118 | 43  | 913417  | 186.253 | ug/l | 96     |
| 17) Carbon Disulfide         | 2.253 | 76  | 1079230 | 43.645  | ug/l | 99     |
| 18) Methyl Acetate           | 2.378 | 43  | 536729  | 46.674  | ug/l | 97     |
| 19) Methyl tert-butyl Ether  | 2.712 | 73  | 1213872 | 47.114  | ug/l | 99     |
| 20) Methylene Chloride       | 2.458 | 84  | 438860  | 52.513  | ug/l | 92     |
| 21) trans-1,2-Dichloroethene | 2.703 | 96  | 405904  | 47.157  | ug/l | 96     |
| 22) Diisopropyl ether        | 3.217 | 45  | 1220946 | 44.184  | ug/l | 98     |
| 23) Vinyl Acetate            | 3.188 | 43  | 5245685 | 217.004 | ug/l | 97     |
| 24) 1,1-Dichloroethane       | 3.117 | 63  | 756844  | 44.787  | ug/l | 99     |
| 25) 2-Butanone               | 3.867 | 43  | 1363305 | 219.356 | ug/l | 96     |
| 26) 2,2-Dichloropropane      | 3.812 | 77  | 572935  | 38.238  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene   | 3.818 | 96  | 455574  | 47.990  | ug/l | 94     |
| 28) Bromochloromethane       | 4.146 | 49  | 329497  | 44.168  | ug/l | 90     |
| 29) Tetrahydrofuran          | 4.236 | 42  | 930279  | 239.138 | ug/l | 97     |
| 30) Chloroform               | 4.278 | 83  | 781187  | 44.271  | ug/l | 99     |
| 31) Cyclohexane              | 4.584 | 56  | 553306  | 39.970  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane    | 4.513 | 97  | 672883  | 44.047  | ug/l | 98     |
| 36) 1,1-Dichloropropene      | 4.744 | 75  | 494580  | 50.905  | ug/l | 99     |
| 37) Ethyl Acetate            | 3.976 | 43  | 529273  | 44.894  | ug/l | 97     |
| 38) Carbon Tetrachloride     | 4.735 | 117 | 575703  | 48.484  | ug/l | 98     |
| 39) Methylcyclohexane        | 6.047 | 83  | 539589  | 45.989  | ug/l | 98     |
| 40) Benzene                  | 5.008 | 78  | 1597697 | 50.500  | ug/l | 99     |

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 Data File : VV039219.D  
 Acq On : 26 Sep 2025 17:35  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Sep 29 07:54:39 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   | 242409   | 45.650   | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 5.040  | 62   | 524192   | 47.286   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 5.195  | 43   | 799837   | 49.758   | ug/l   | 98       |
| 44) Trichloroethene           | 5.828  | 130  | 425039   | 58.220   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 6.088  | 63   | 406783   | 51.728   | ug/l   | 98       |
| 46) Dibromomethane            | 6.223  | 93   | 307252   | 51.049   | ug/l   | 96       |
| 47) Bromodichloromethane      | 6.426  | 83   | 617902   | 49.659   | ug/l   | 98       |
| 48) Methyl methacrylate       | 6.294  | 41   | 378323   | 51.921   | ug/l   | 94       |
| 49) 1,4-Dioxane               | 6.291  | 88   | 142630   | 1212.949 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 7.146  | 43   | 2870123  | 271.406  | ug/l   | 97       |
| 52) Toluene                   | 7.307  | 92   | 1010036  | 55.062   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 7.574  | 75   | 576194   | 53.136   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 6.947  | 75   | 579340   | 48.395   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 7.760  | 97   | 430777   | 52.374   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 7.715  | 69   | 556043   | 56.926   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 7.934  | 76   | 671674   | 51.745   | ug/l   | 99       |
| 59) 2-Hexanone                | 8.063  | 43   | 2133675  | 249.959  | ug/l   | 96       |
| 60) Dibromochloromethane      | 8.166  | 129  | 482876   | 51.523   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.272  | 107  | 454614   | 54.046   | ug/l   | 99       |
| 64) Tetrachloroethene         | 7.895  | 164  | 337455   | 51.567   | ug/l   | 99       |
| 65) Chlorobenzene             | 8.802  | 112  | 1105226  | 50.786   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 8.895  | 131  | 397374   | 50.535   | ug/l   | 98       |
| 67) Ethyl Benzene             | 8.937  | 91   | 1813049  | 55.037   | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.063  | 106  | 1486759  | 116.935  | ug/l   | 100      |
| 69) o-Xylene                  | 9.468  | 106  | 653952   | 58.089   | ug/l   | 99       |
| 70) Styrene                   | 9.484  | 104  | 1243325  | 52.085   | ug/l   | 99       |
| 71) Bromoform                 | 9.654  | 173  | 335756   | 54.664   | ug/l # | 99       |
| 73) Isopropylbenzene          | 9.857  | 105  | 1790695  | 50.246   | ug/l   | 100      |
| 74) N-amyl acetate            | 9.725  | 43   | 720904   | 50.712   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 10.165 | 83   | 697351   | 44.658   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 10.198 | 75   | 528208   | 47.214   | ug/l   | 97       |
| 77) Bromobenzene              | 10.140 | 156  | 451102   | 48.787   | ug/l   | 97       |
| 78) n-propylbenzene           | 10.278 | 91   | 2180325  | 50.239   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.345 | 91   | 1318891  | 50.787   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 10.464 | 105  | 1540394  | 52.001   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 9.928  | 75   | 225086   | 48.300   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 10.461 | 91   | 1584402  | 52.616   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 10.789 | 119  | 1429044  | 48.380   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 10.837 | 105  | 1537396  | 53.458   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.011 | 105  | 1836646  | 46.879   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.165 | 119  | 1567234  | 48.062   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.104 | 146  | 891327   | 47.631   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.194 | 146  | 934407   | 45.513   | ug/l   | 99       |
| 89) n-Butylbenzene            | 11.580 | 91   | 1476722  | 47.418   | ug/l   | 100      |
| 90) Hexachloroethane          | 11.821 | 117  | 319577   | 39.798   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 11.567 | 146  | 831500   | 47.559   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.349 | 75   | 140601   | 50.047   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.185 | 180  | 476557   | 47.551   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.368 | 225  | 188211   | 36.142   | ug/l   | 99       |
| 95) Naphthalene               | 13.423 | 128  | 1772806  | 54.728   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.667 | 180  | 486738   | 47.485   | ug/l   | 97       |

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Data File : VV039219.D  
Acq On : 26 Sep 2025 17:35  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

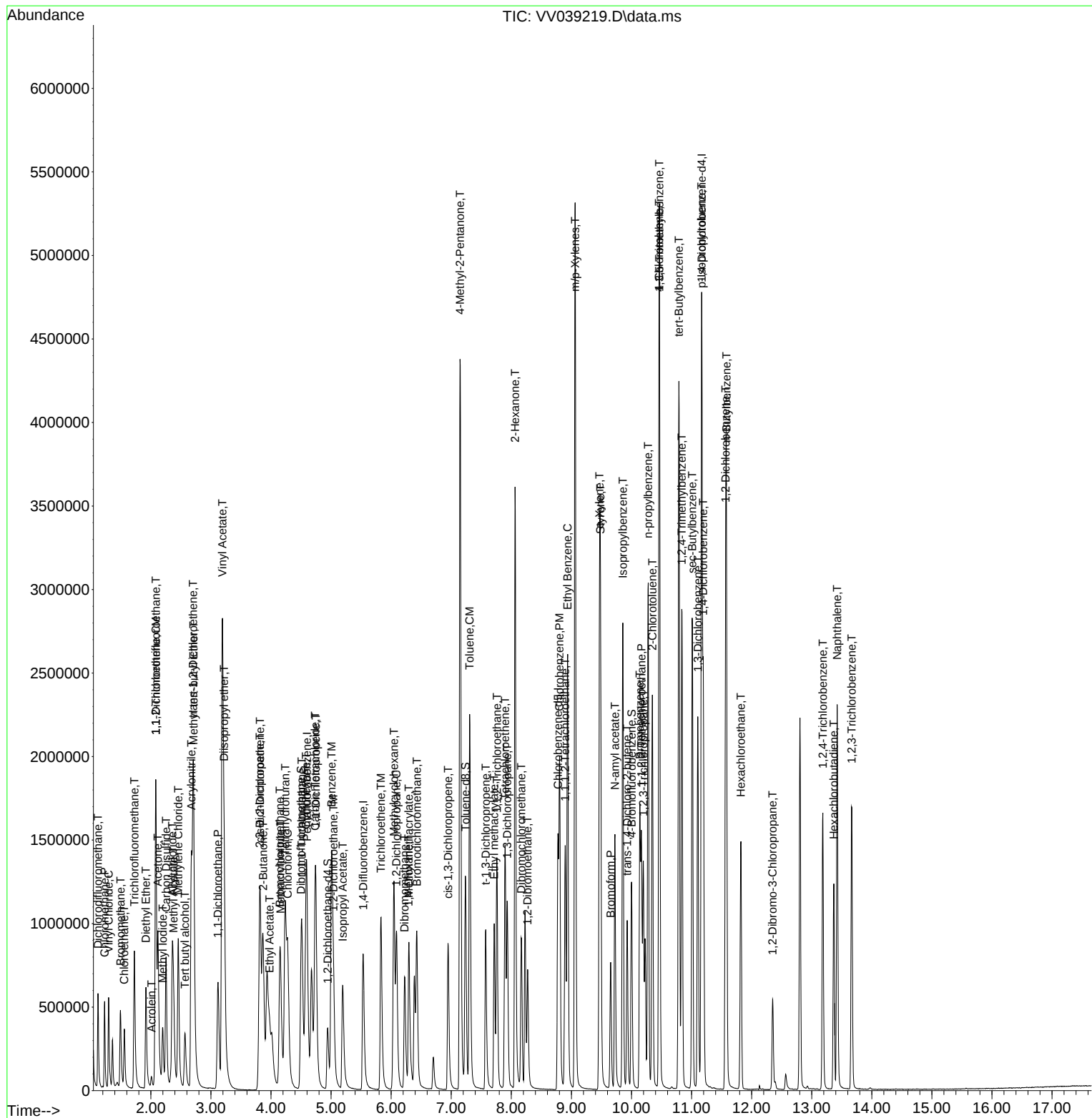
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V092225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 24 08:08:08 2025  
Response via : Initial Calibration

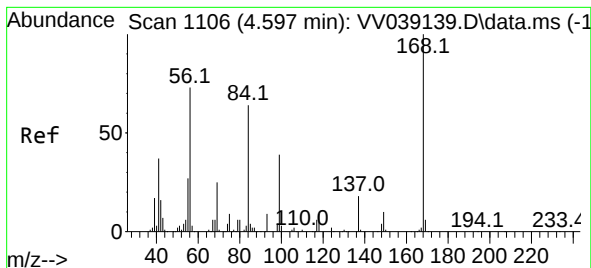
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
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Quant Title : SW846 8260  
QLast Update : Wed Sep 24 08:08:08 2025  
Response via : Initial Calibration

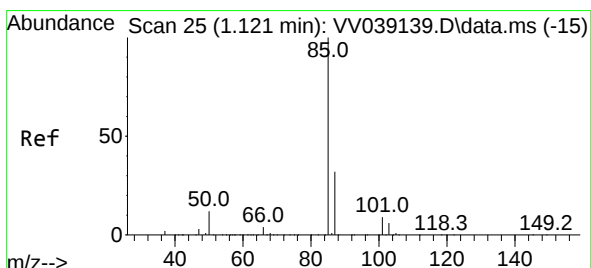
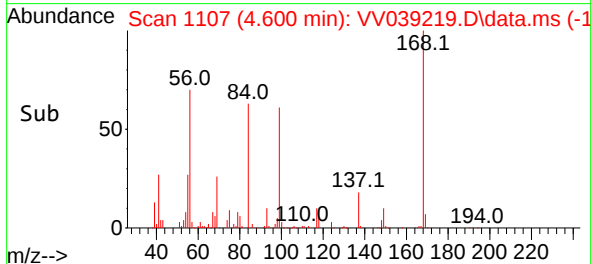
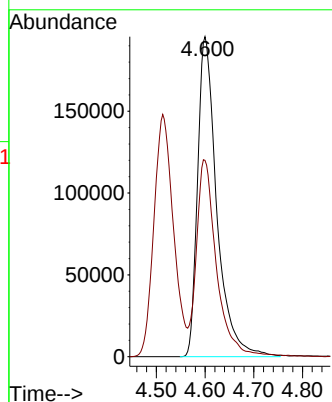
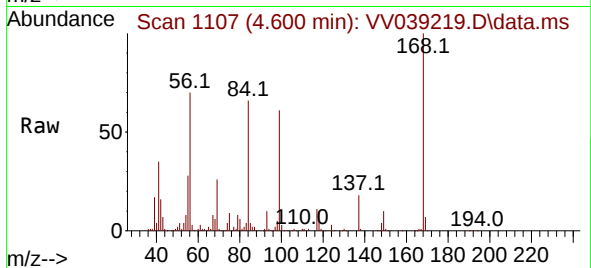




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 4.600 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

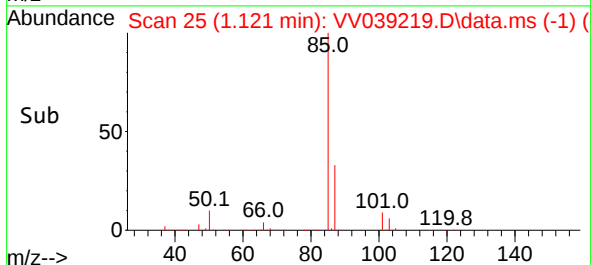
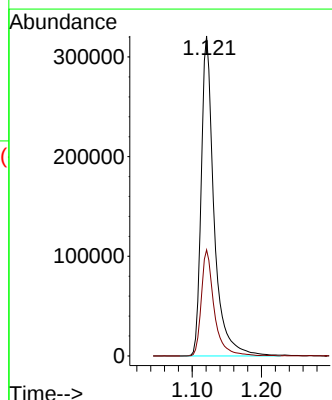
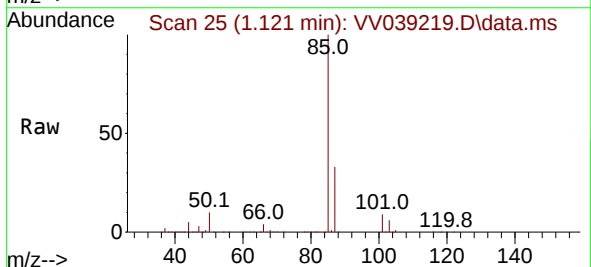
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:168 Resp: 536263  
Ion Ratio Lower Upper  
168 100  
99 60.9 49.6 74.4



#2  
Dichlorodifluoromethane  
Concen: 48.821 ug/l  
RT: 1.121 min Scan# 25  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 85 Resp: 414447  
Ion Ratio Lower Upper  
85 100  
87 33.1 16.0 47.9

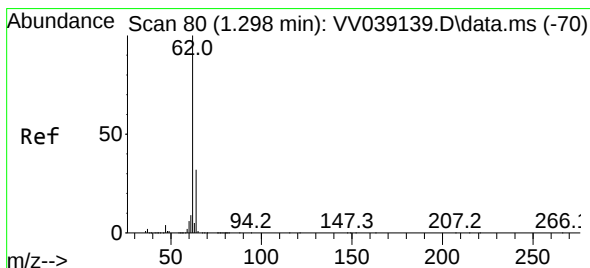
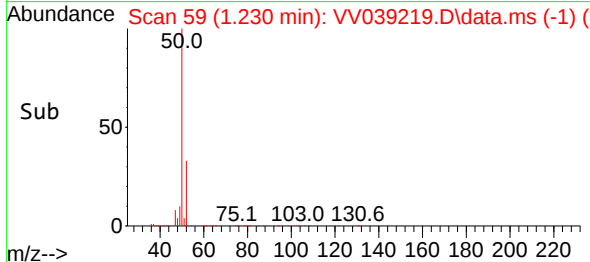
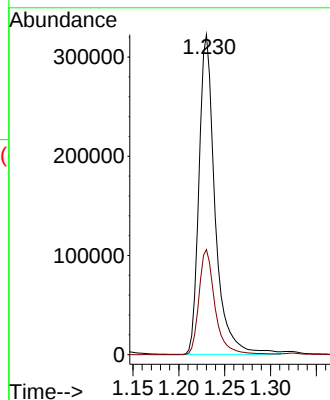
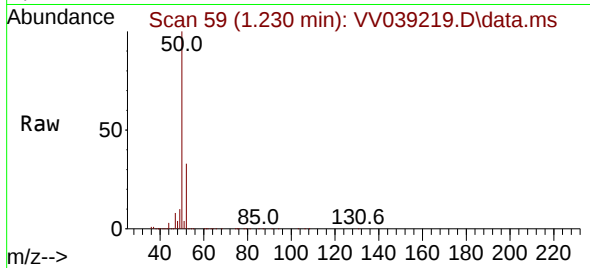




#3  
Chloromethane  
Concen: 43.159 ug/l  
RT: 1.230 min Scan# 59  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

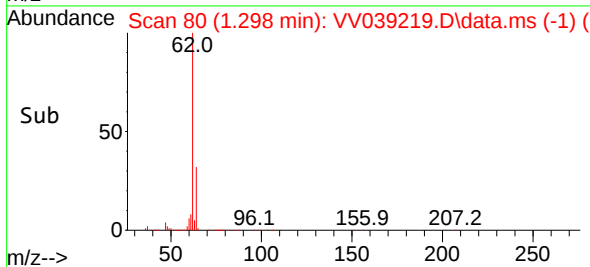
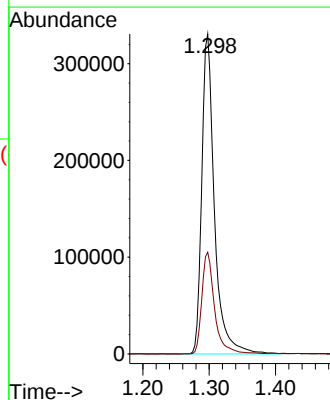
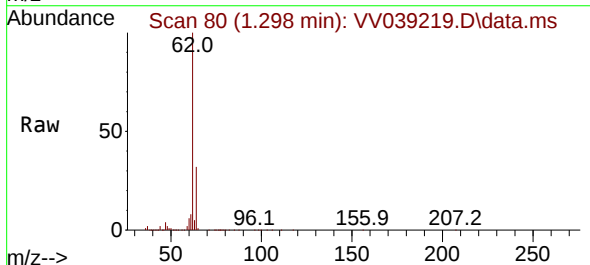
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

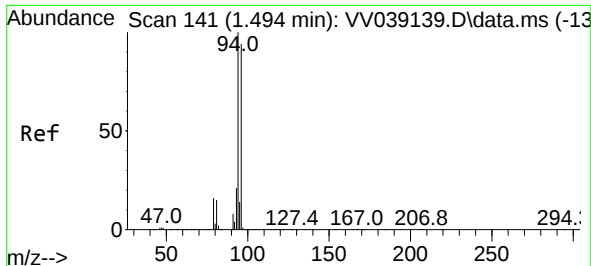
Tgt Ion: 50 Resp: 393317  
Ion Ratio Lower Upper  
50 100  
52 32.9 26.0 39.0



#4  
Vinyl Chloride  
Concen: 44.912 ug/l  
RT: 1.298 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 62 Resp: 438178  
Ion Ratio Lower Upper  
62 100  
64 31.8 25.6 38.4

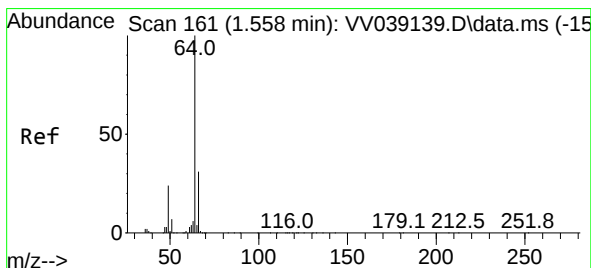
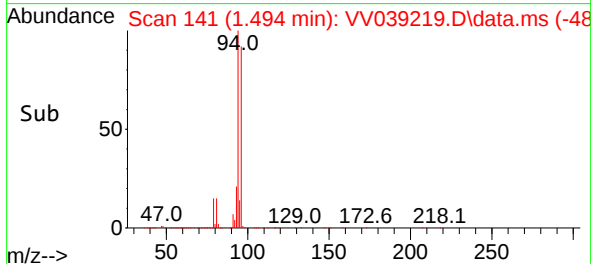
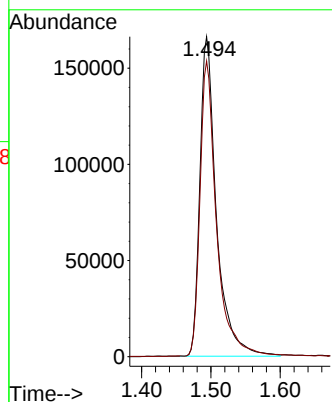
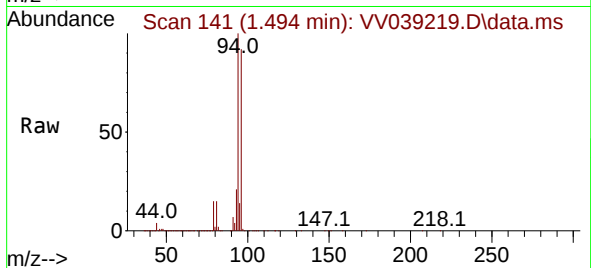




#5  
Bromomethane  
Concen: 45.062 ug/l  
RT: 1.494 min Scan# 141  
Delta R.T. -0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

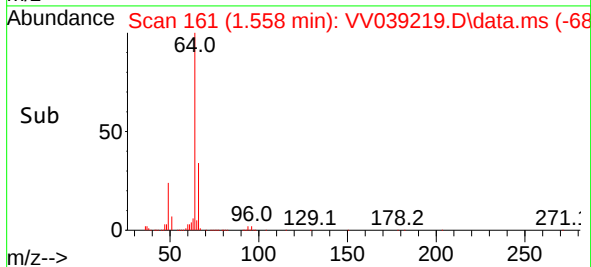
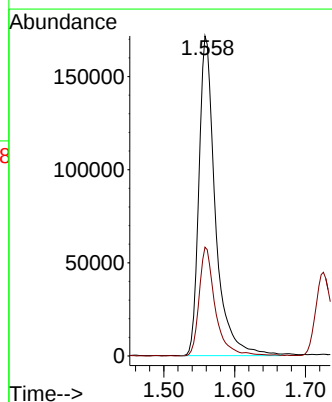
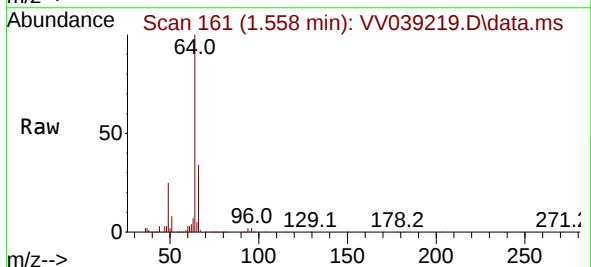
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

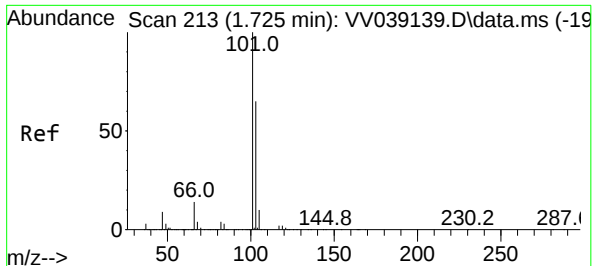
Tgt Ion: 94 Resp: 277145  
Ion Ratio Lower Upper  
94 100  
96 92.3 74.9 112.3



#6  
Chloroethane  
Concen: 48.011 ug/l  
RT: 1.558 min Scan# 161  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 64 Resp: 276597  
Ion Ratio Lower Upper  
64 100  
66 33.9 24.6 36.8

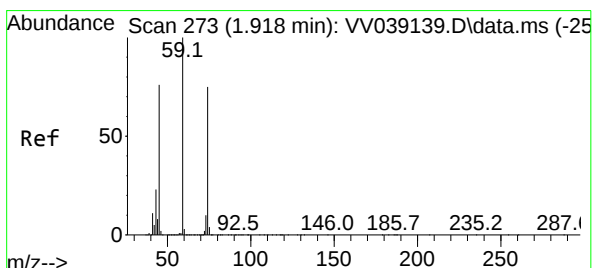
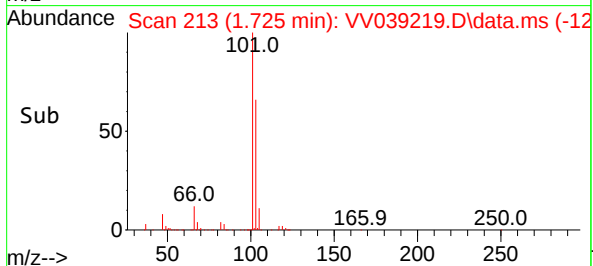
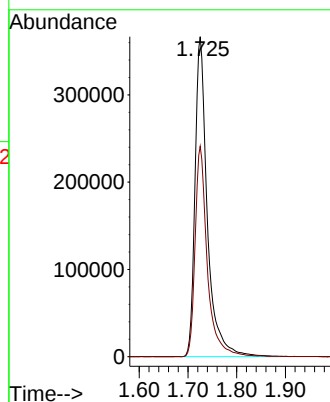
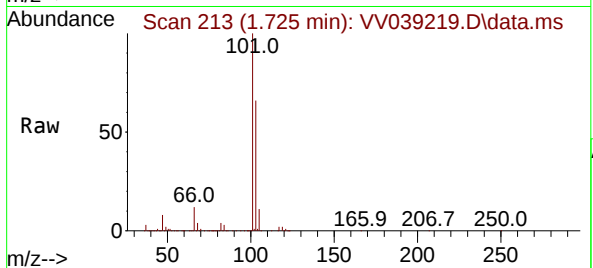




#7  
 Trichlorofluoromethane  
 Concen: 45.654 ug/l  
 RT: 1.725 min Scan# 213  
 Delta R.T. 0.000 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

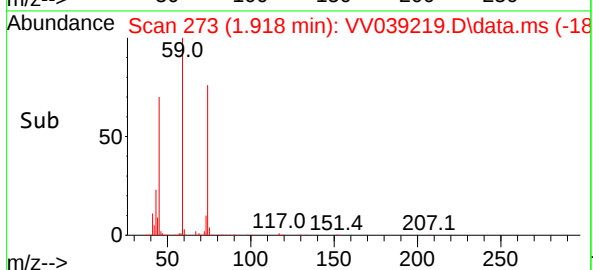
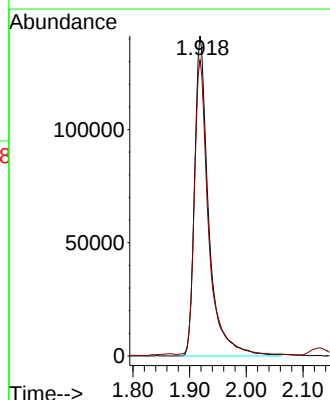
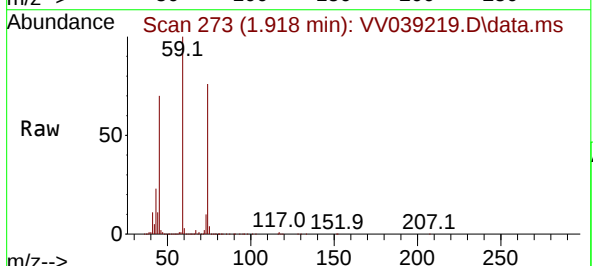
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:101 Resp: 644877  
 Ion Ratio Lower Upper  
 101 100  
 103 65.7 52.0 78.0



#8  
 Diethyl Ether  
 Concen: 46.538 ug/l  
 RT: 1.918 min Scan# 273  
 Delta R.T. 0.000 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

Tgt Ion: 74 Resp: 244037  
 Ion Ratio Lower Upper  
 74 100  
 45 92.1 49.6 148.8

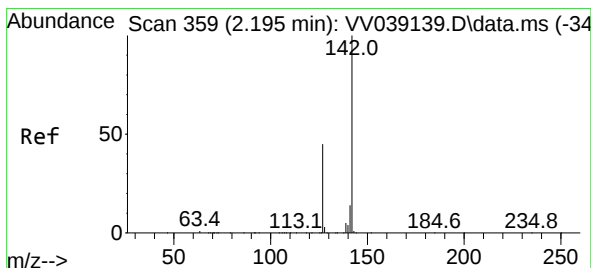
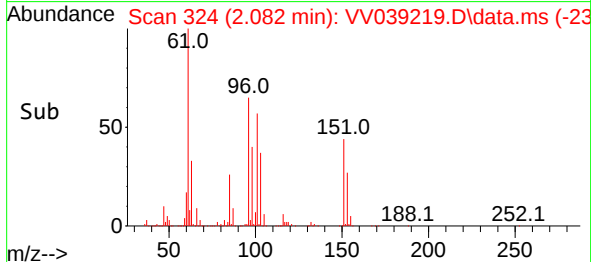
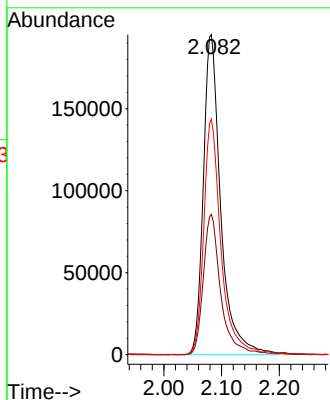
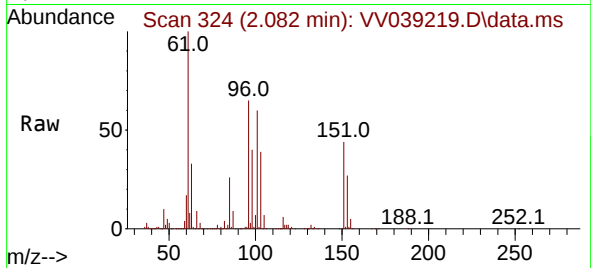




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.681 ug/l  
RT: 2.082 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

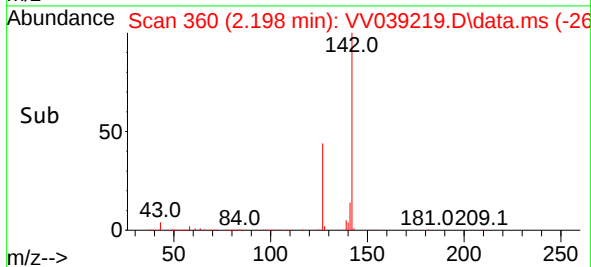
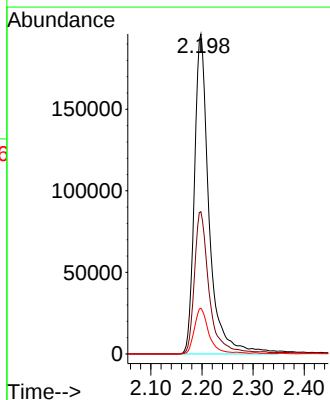
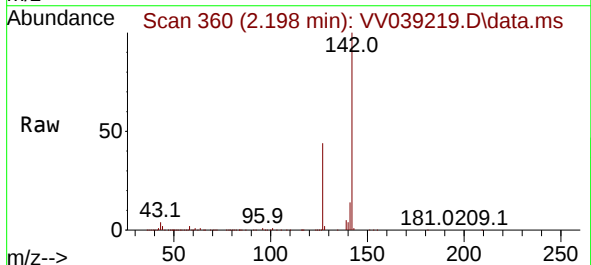
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

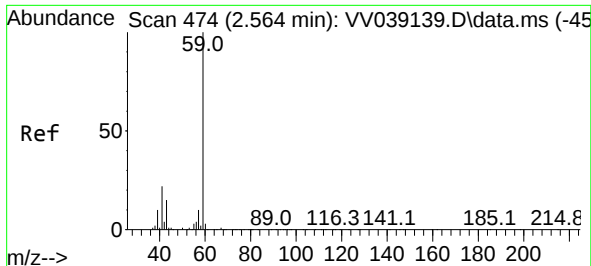
Tgt Ion:101 Resp: 409145  
Ion Ratio Lower Upper  
101 100  
85 44.2 36.2 54.2  
151 72.5 56.3 84.5



#10  
Methyl Iodide  
Concen: 49.078 ug/l  
RT: 2.198 min Scan# 360  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion:142 Resp: 392800  
Ion Ratio Lower Upper  
142 100  
127 44.8 36.3 54.5  
141 13.9 11.2 16.8

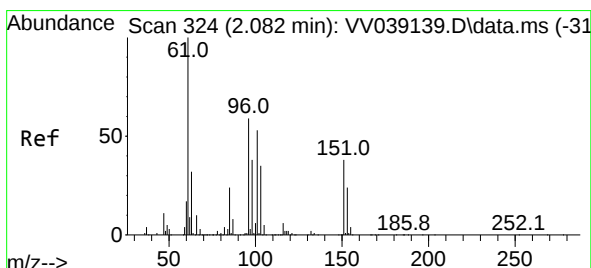
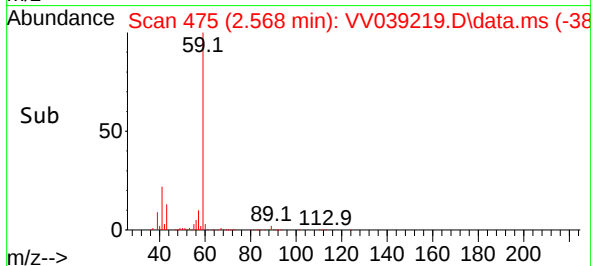
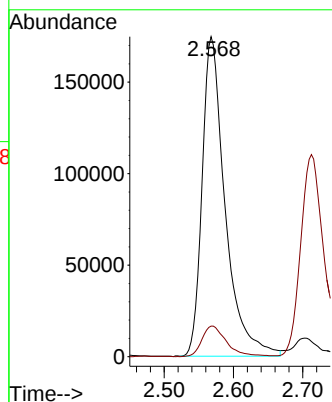
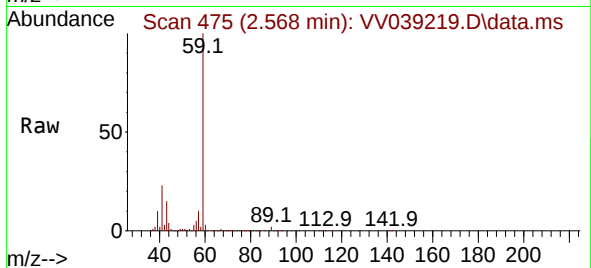




#11  
Tert butyl alcohol  
Concen: 245.682 ug/l  
RT: 2.568 min Scan# 411  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

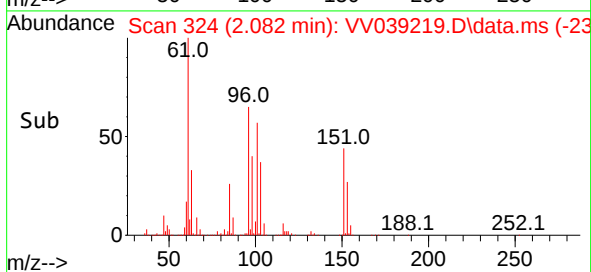
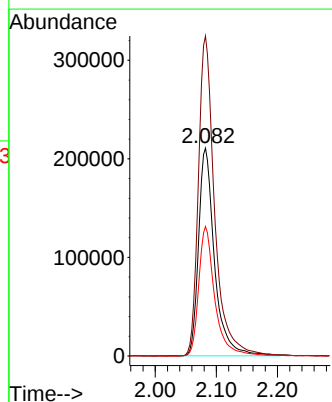
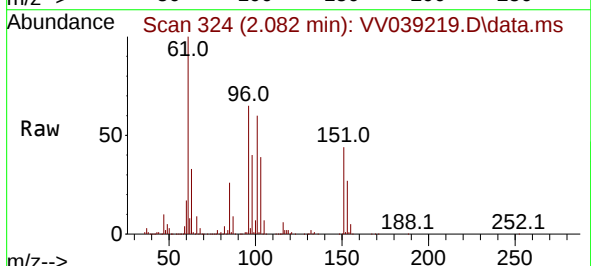
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 59 Resp: 403011  
Ion Ratio Lower Upper  
59 100  
57 10.4 7.8 11.8



#12  
1,1-Dichloroethene  
Concen: 47.451 ug/l  
RT: 2.082 min Scan# 324  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 96 Resp: 383659  
Ion Ratio Lower Upper  
96 100  
61 154.1 136.0 204.0  
98 62.3 51.0 76.6

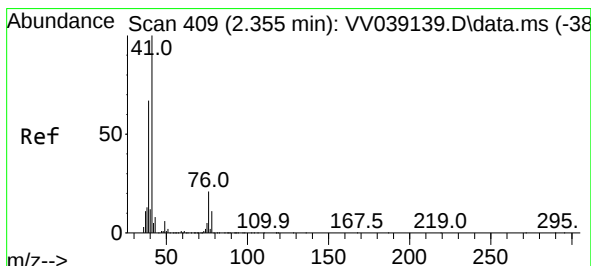
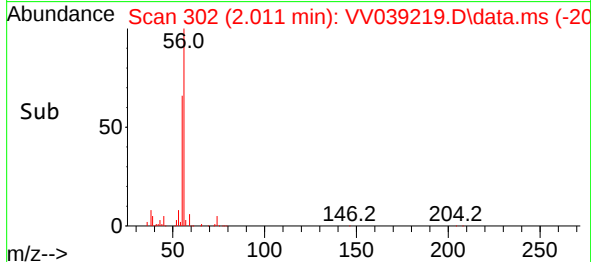
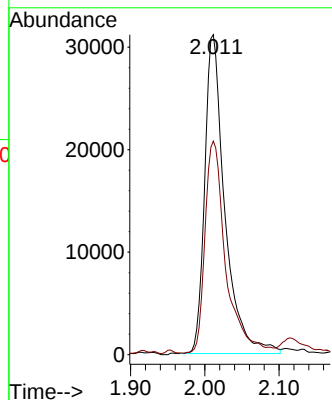
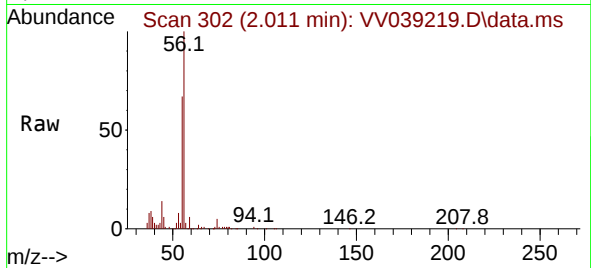




#13  
Acrolein  
Concen: 205.997 ug/l  
RT: 2.011 min Scan# 301  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

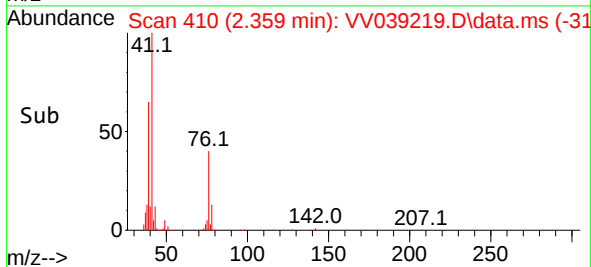
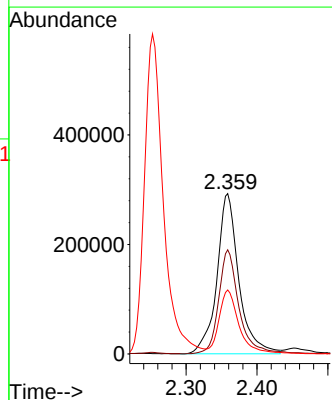
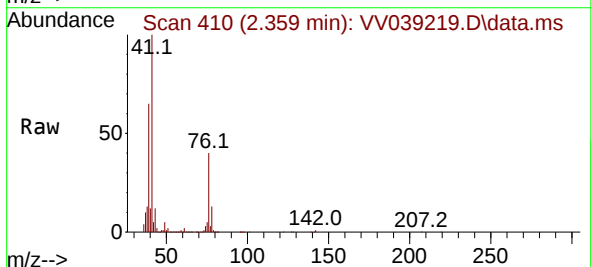
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 56 Resp: 58635  
Ion Ratio Lower Upper  
56 100  
55 68.8 56.2 84.4



#14  
Allyl chloride  
Concen: 43.580 ug/l  
RT: 2.359 min Scan# 410  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 41 Resp: 629423  
Ion Ratio Lower Upper  
41 100  
39 60.2 51.0 76.6  
76 36.8 28.2 42.4



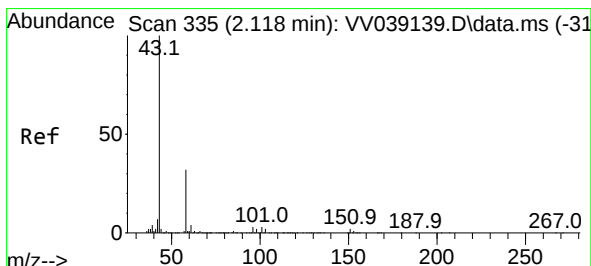
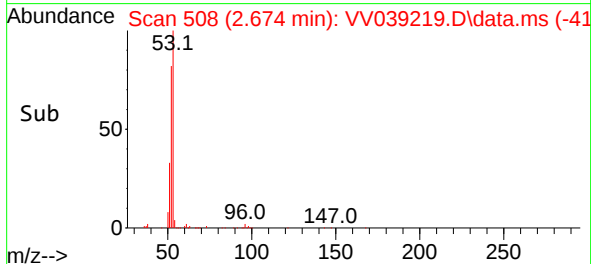
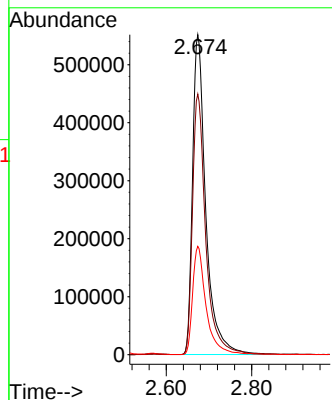
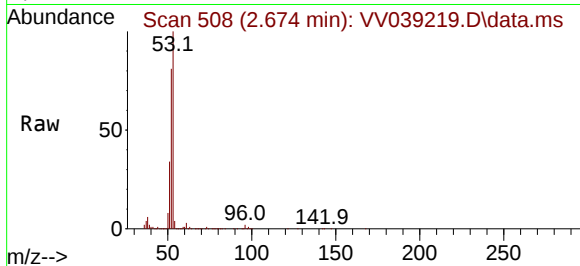


#15  
Acrylonitrile  
Concen: 226.167 ug/l  
RT: 2.674 min Scan# 507  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 53 Resp: 1189300

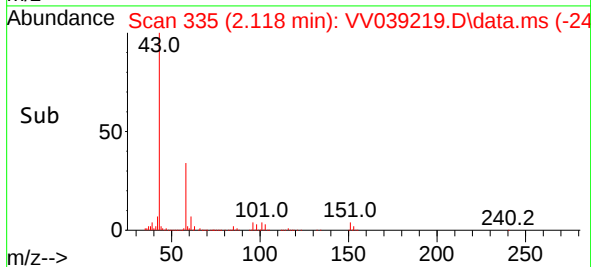
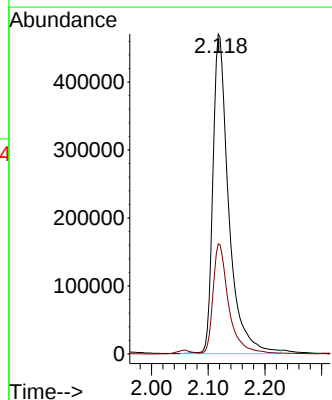
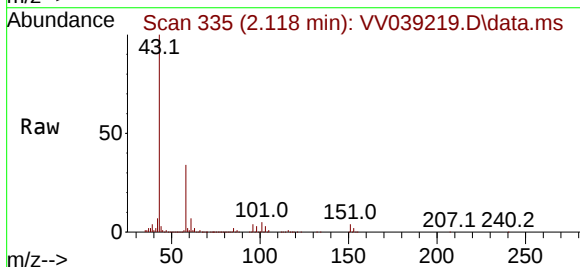
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 81.2  | 66.1  | 99.1  |
| 51  | 34.4  | 28.5  | 42.7  |

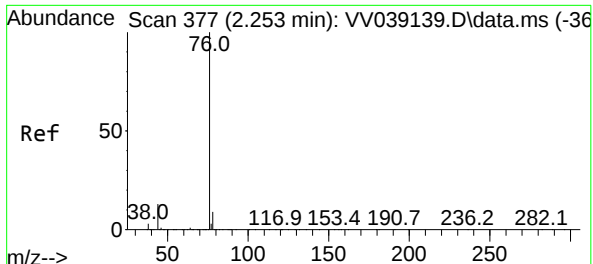


#16  
Acetone  
Concen: 186.253 ug/l  
RT: 2.118 min Scan# 335  
Delta R.T. -0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 43 Resp: 913417

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 34.2  | 25.8  | 38.6  |

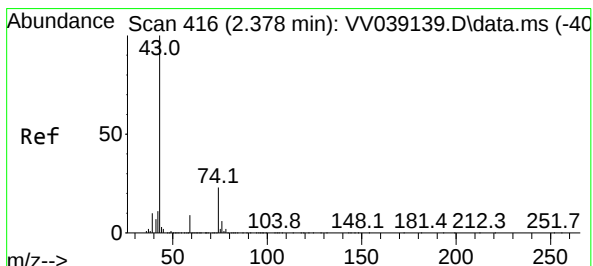
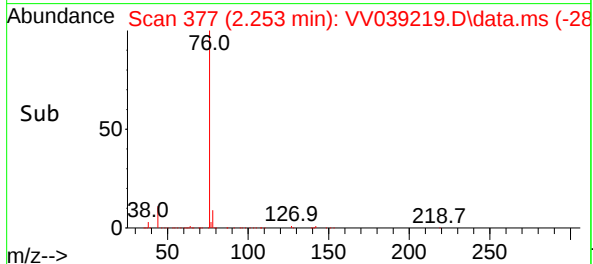
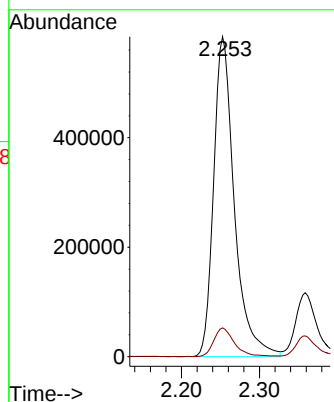
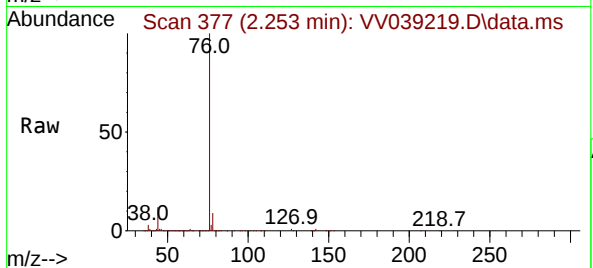




#17  
Carbon Disulfide  
Concen: 43.645 ug/l  
RT: 2.253 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

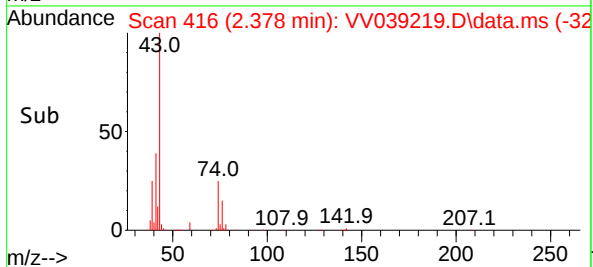
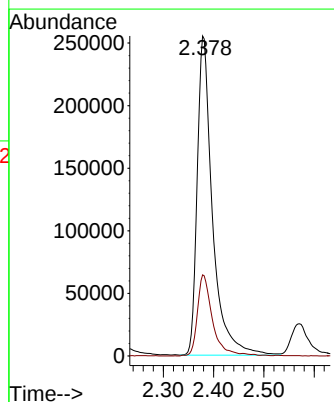
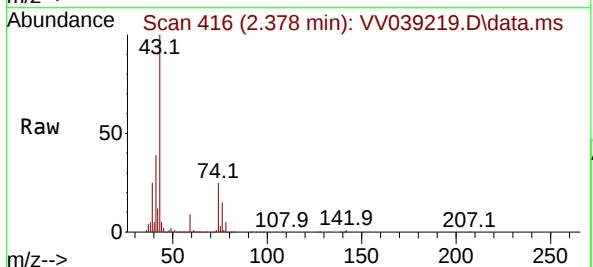
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

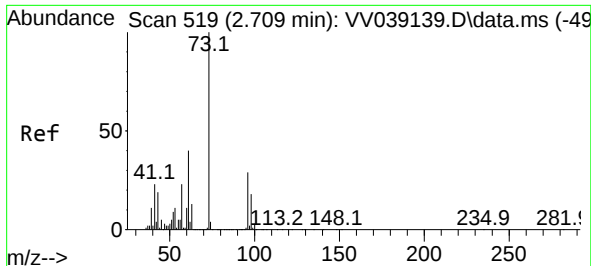
Tgt Ion: 76 Resp: 1079230  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.0



#18  
Methyl Acetate  
Concen: 46.674 ug/l  
RT: 2.378 min Scan# 416  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 43 Resp: 536729  
Ion Ratio Lower Upper  
43 100  
74 24.6 18.6 27.8





#19

Methyl tert-butyl Ether

Concen: 47.114 ug/l

RT: 2.712 min Scan# 519

Delta R.T. 0.003 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

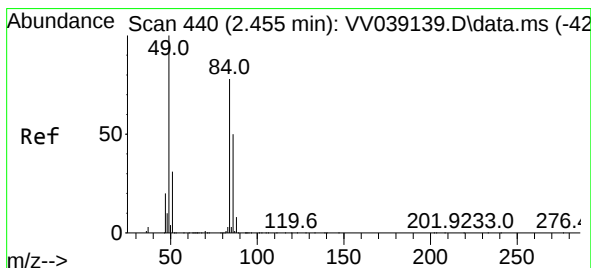
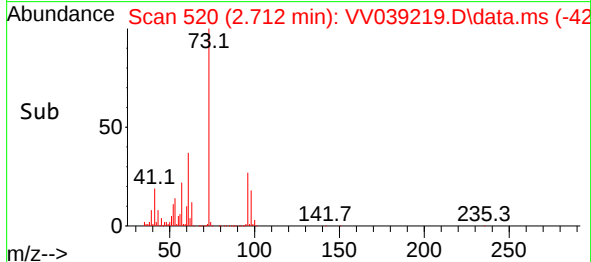
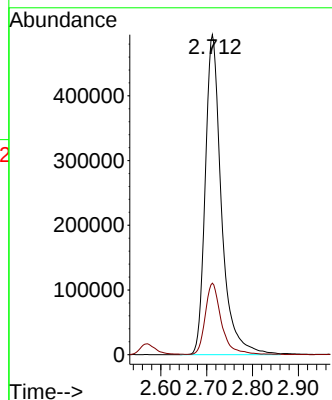
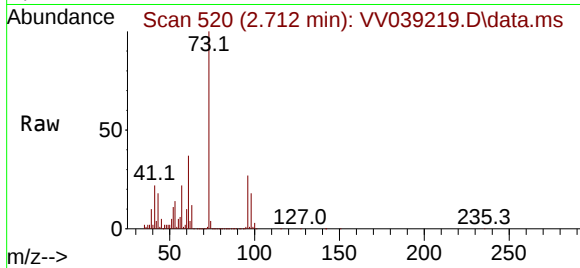
VSTDCCC050EC

Tgt Ion: 73 Resp: 1213872

Ion Ratio Lower Upper

73 100

57 22.2 18.2 27.4



#20

Methylene Chloride

Concen: 52.513 ug/l

RT: 2.458 min Scan# 441

Delta R.T. 0.003 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Tgt Ion: 84 Resp: 438860

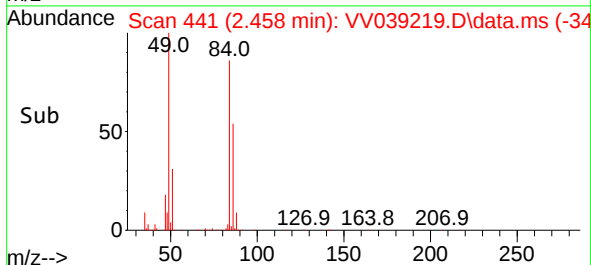
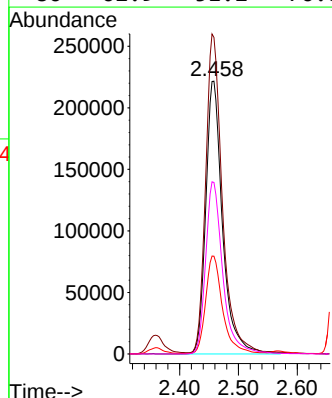
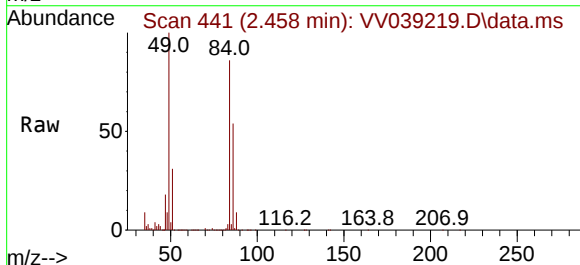
Ion Ratio Lower Upper

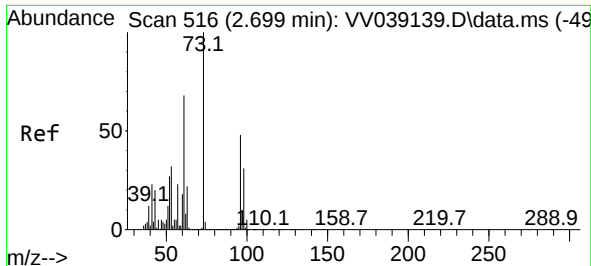
84 100

49 115.5 102.8 154.2

51 35.6 31.9 47.9

86 62.9 51.2 76.8

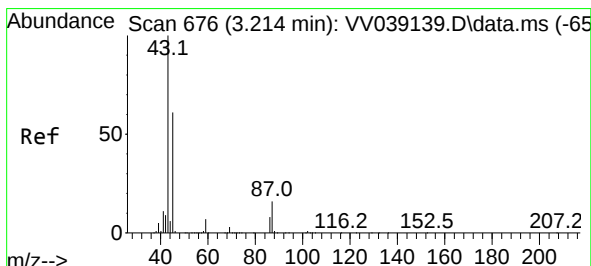
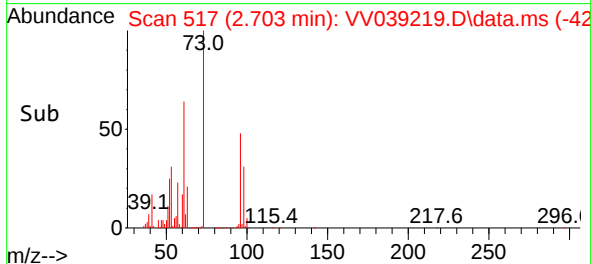
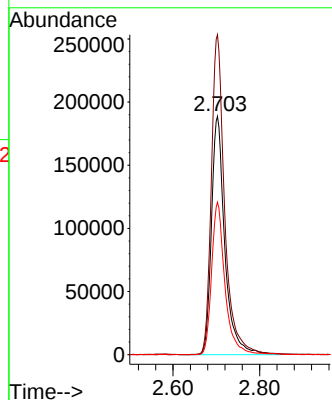
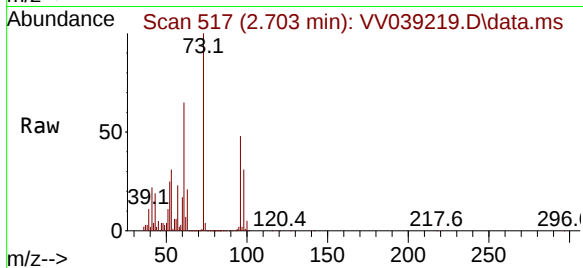




#21  
trans-1,2-Dichloroethene  
Concen: 47.157 ug/l  
RT: 2.703 min Scan# 516  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

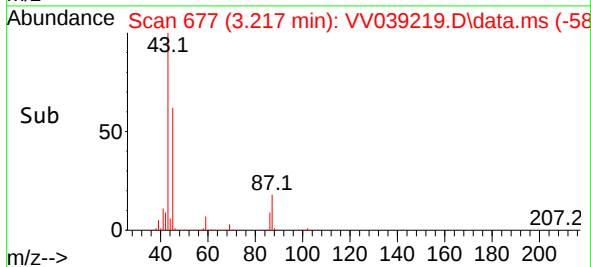
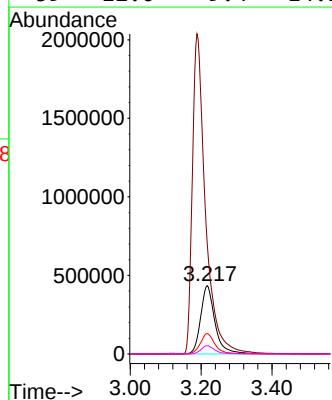
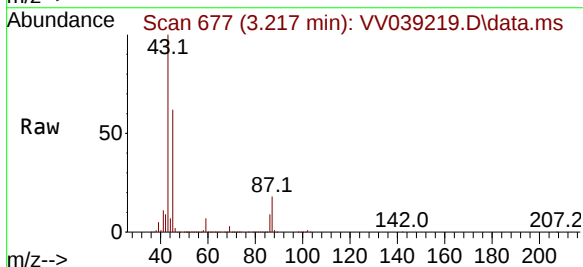
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

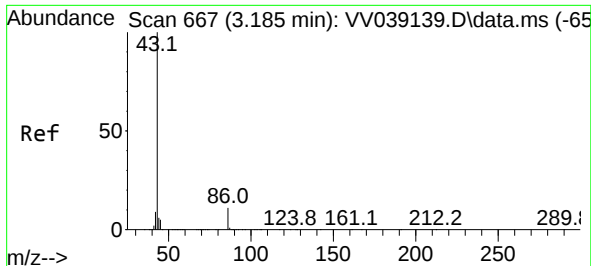
Tgt Ion: 96 Resp: 405904  
Ion Ratio Lower Upper  
96 100  
61 134.1 112.8 169.2  
98 63.9 51.1 76.7



#22  
Diisopropyl ether  
Concen: 44.184 ug/l  
RT: 3.217 min Scan# 677  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 45 Resp: 1220946  
Ion Ratio Lower Upper  
45 100  
43 161.5 130.9 196.3  
87 29.7 21.1 31.7  
59 12.0 9.4 14.2

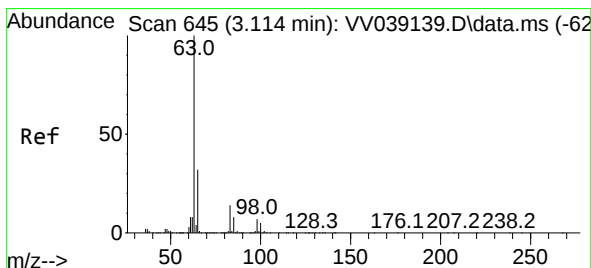
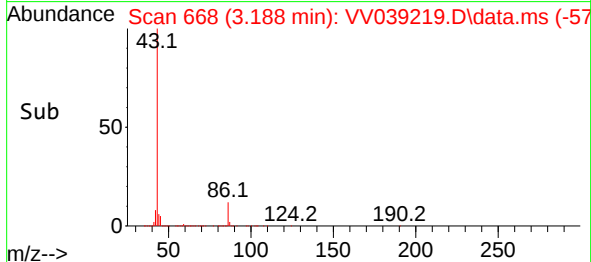
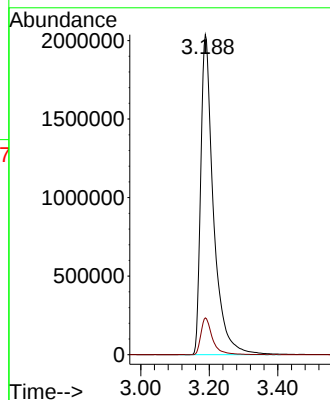
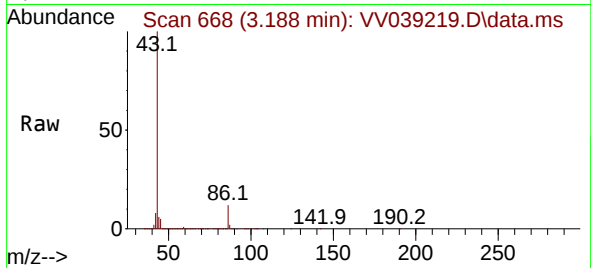




#23  
 Vinyl Acetate  
 Concen: 217.004 ug/l  
 RT: 3.188 min Scan# 60  
 Delta R.T. 0.003 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

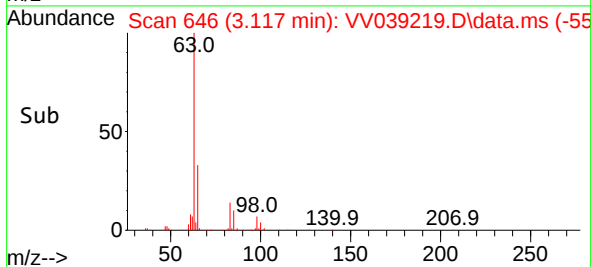
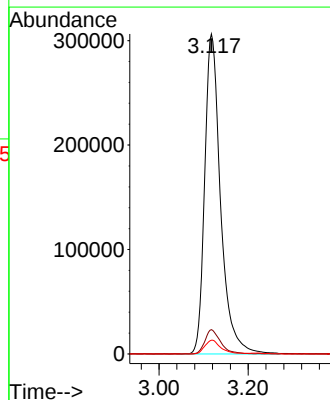
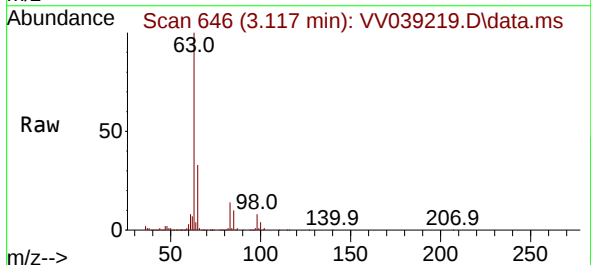
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

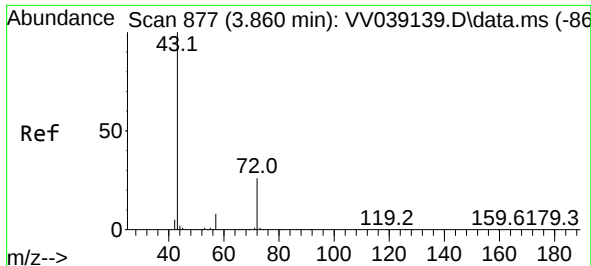
Tgt Ion: 43 Resp: 5245685  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 44.787 ug/l  
 RT: 3.117 min Scan# 646  
 Delta R.T. 0.003 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

Tgt Ion: 63 Resp: 756844  
 Ion Ratio Lower Upper  
 63 100  
 98 7.6 3.4 10.2  
 100 4.3 2.2 6.6

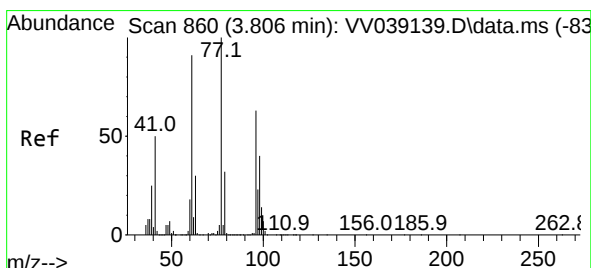
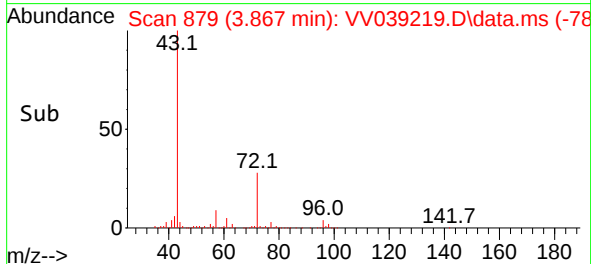
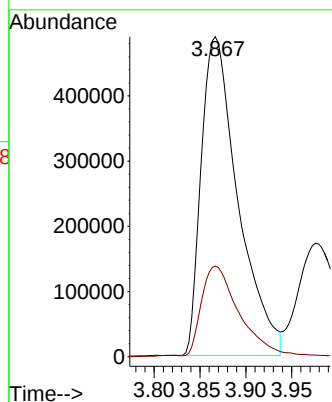
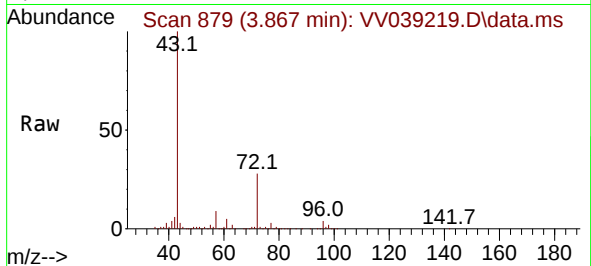




#25  
2-Butanone  
Concen: 219.356 ug/l  
RT: 3.867 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

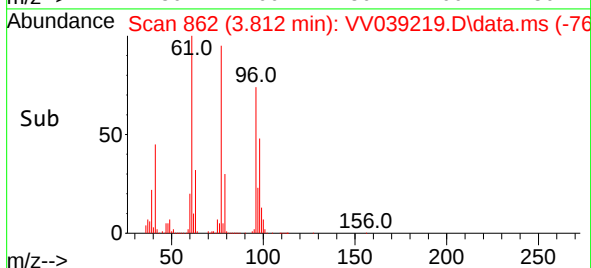
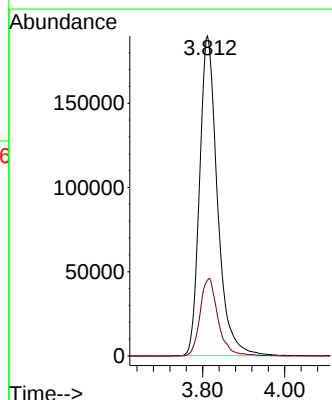
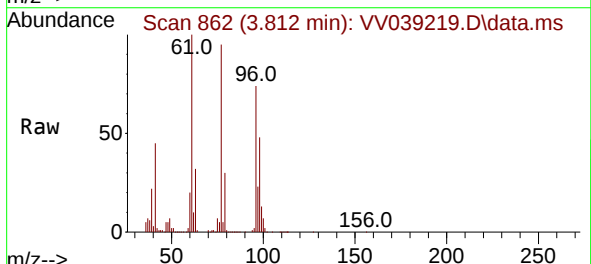
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 1363305  
Ion Ratio Lower Upper  
43 100  
72 28.1 21.0 31.6



#26  
2,2-Dichloropropane  
Concen: 38.238 ug/l  
RT: 3.812 min Scan# 862  
Delta R.T. 0.006 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 77 Resp: 572935  
Ion Ratio Lower Upper  
77 100  
97 24.2 11.6 34.7



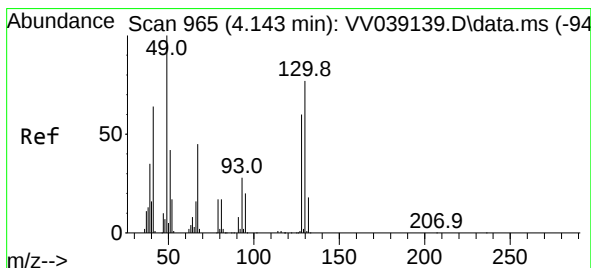
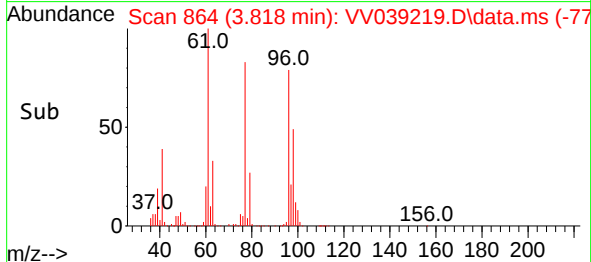
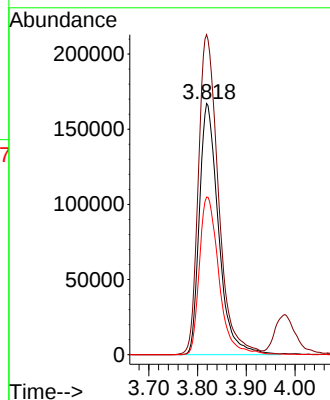
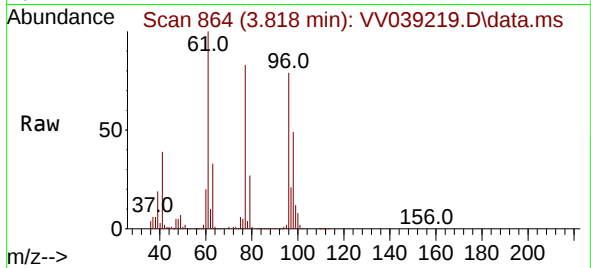


#27  
 cis-1,2-Dichloroethene  
 Concen: 47.990 ug/l  
 RT: 3.818 min Scan# 864  
 Delta R.T. 0.000 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 96 Resp: 455574  

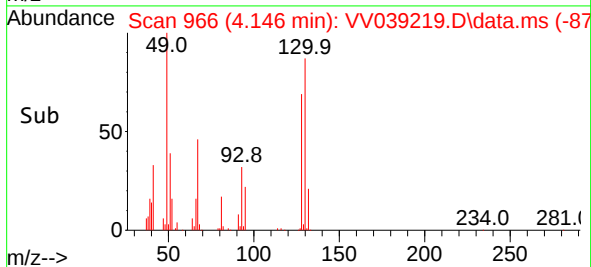
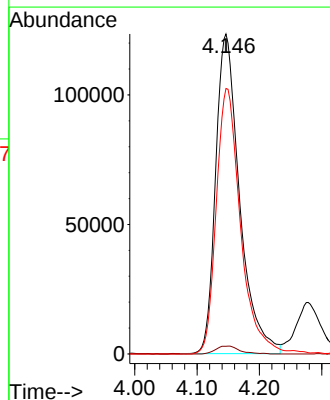
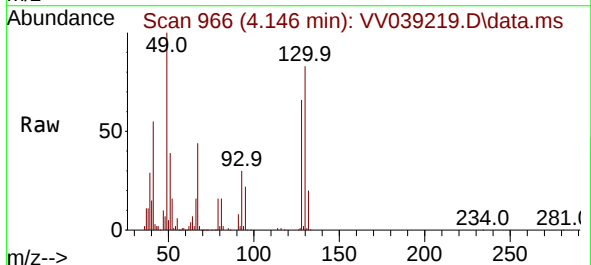
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 133.4 | 0.0   | 286.4 |
| 98  | 64.1  | 0.0   | 126.6 |

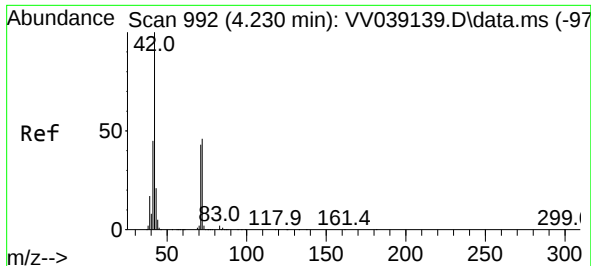


#28  
 Bromochloromethane  
 Concen: 44.168 ug/l  
 RT: 4.146 min Scan# 966  
 Delta R.T. 0.003 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

Tgt Ion: 49 Resp: 329497  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.4   | 0.0   | 4.2   |
| 130 | 83.7  | 60.2  | 90.2  |





#29

Tetrahydrofuran

Concen: 239.138 ug/l

RT: 4.236 min Scan# 992

Delta R.T. 0.006 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

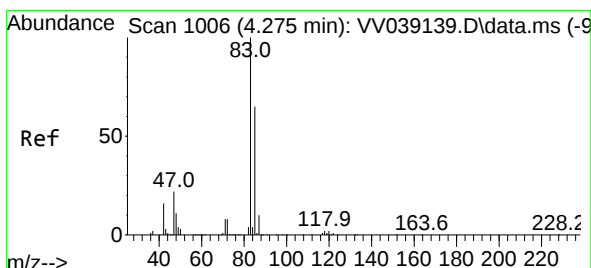
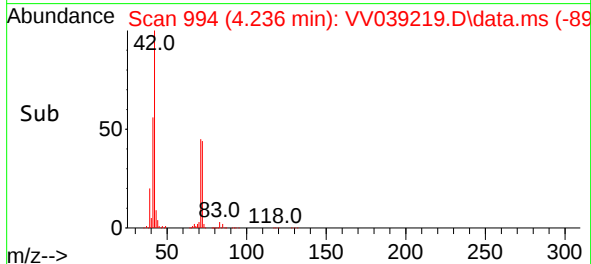
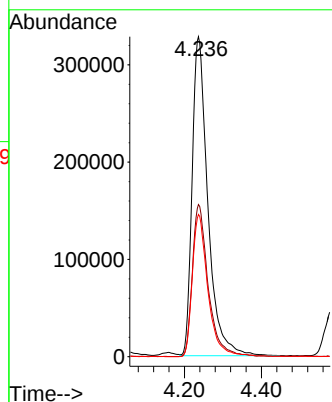
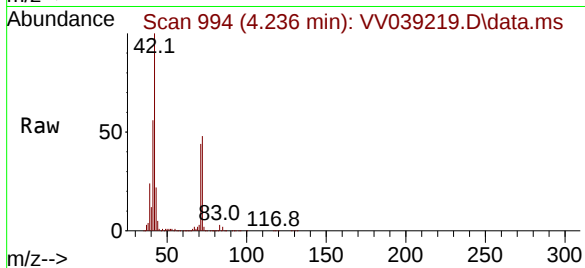
Tgt Ion: 42 Resp: 930279

Ion Ratio Lower Upper

42 100

72 47.7 36.3 54.5

71 44.3 34.3 51.5



#30

Chloroform

Concen: 44.271 ug/l

RT: 4.278 min Scan# 1007

Delta R.T. 0.003 min

Lab File: VV039219.D

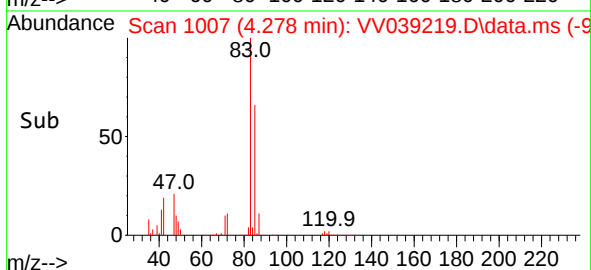
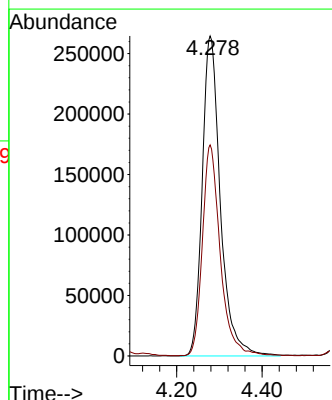
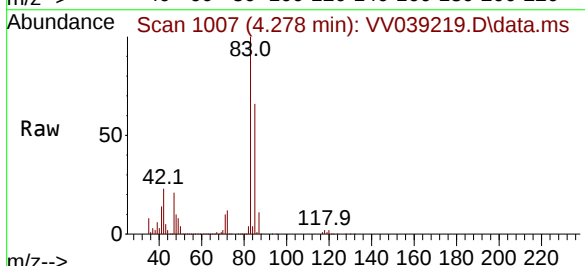
Acq: 26 Sep 2025 17:35

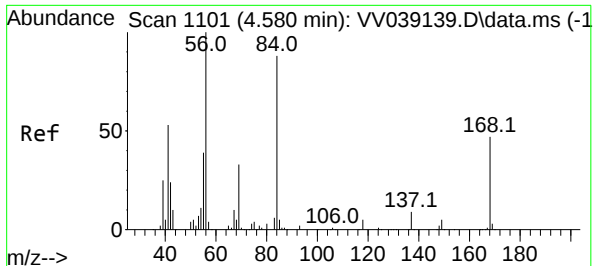
Tgt Ion: 83 Resp: 781187

Ion Ratio Lower Upper

83 100

85 65.8 52.1 78.1

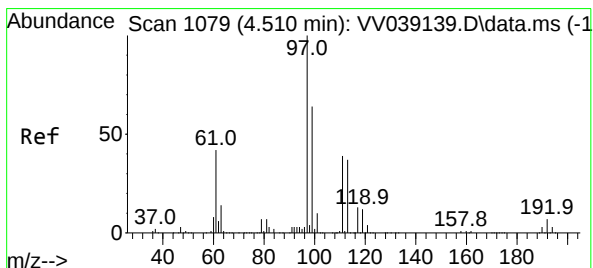
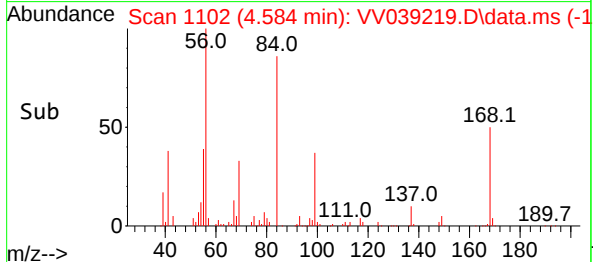
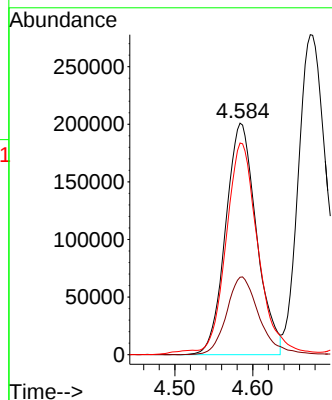
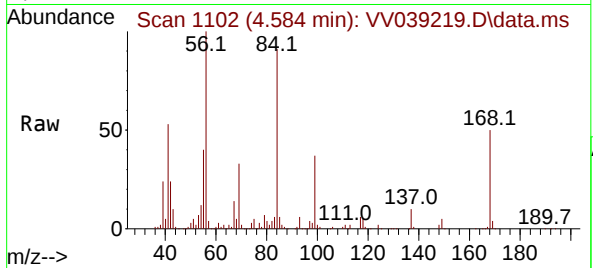




#31  
Cyclohexane  
Concen: 39.970 ug/l  
RT: 4.584 min Scan# 1101  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

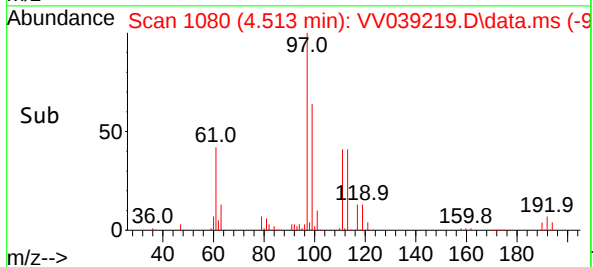
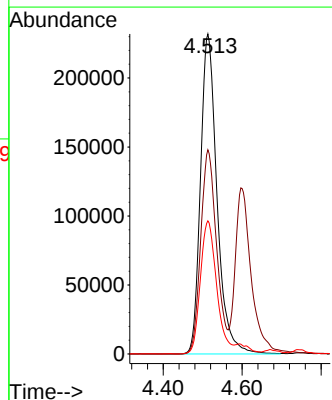
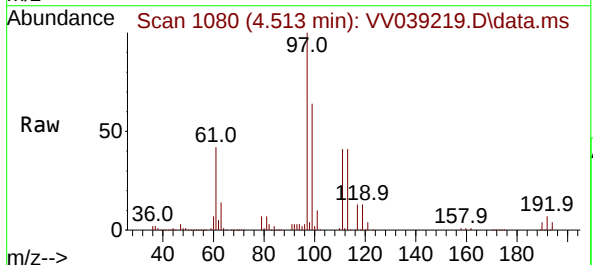
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

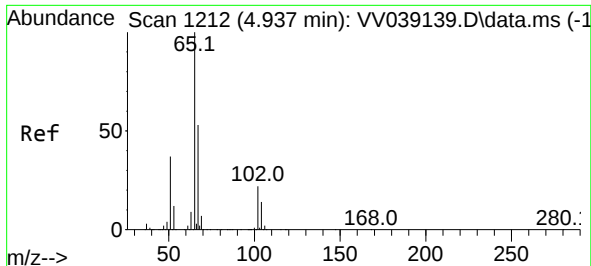
Tgt Ion: 56 Resp: 553306  
Ion Ratio Lower Upper  
56 100  
69 33.5 26.2 39.2  
84 89.9 70.3 105.5



#32  
1,1,1-Trichloroethane  
Concen: 44.047 ug/l  
RT: 4.513 min Scan# 1080  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 97 Resp: 672883  
Ion Ratio Lower Upper  
97 100  
99 61.3 49.6 74.4  
61 41.0 34.5 51.7

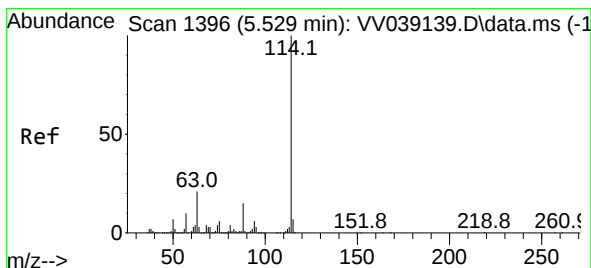
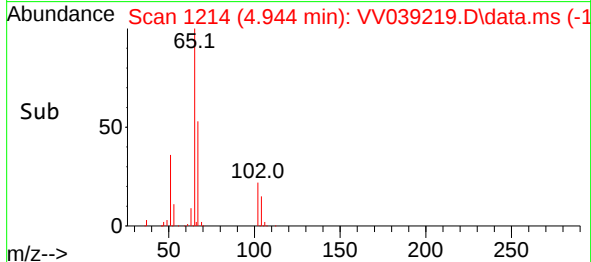
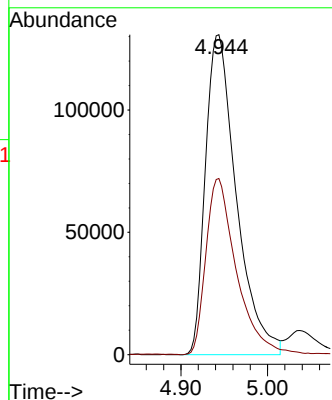
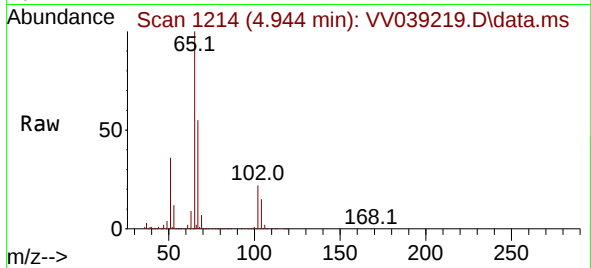




#33  
1,2-Dichloroethane-d4  
Concen: 41.829 ug/l  
RT: 4.944 min Scan# 1214  
Delta R.T. 0.006 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

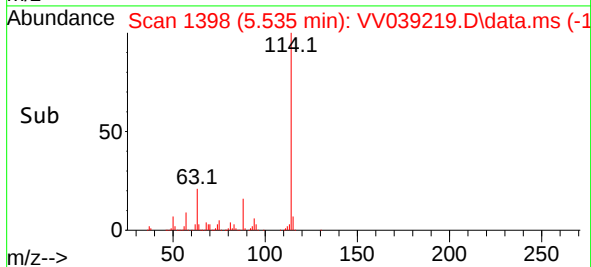
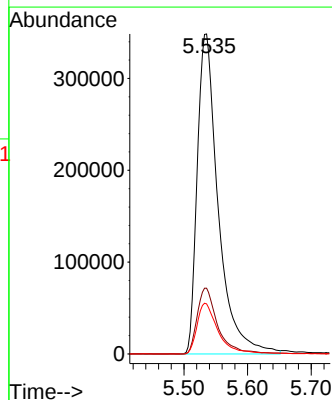
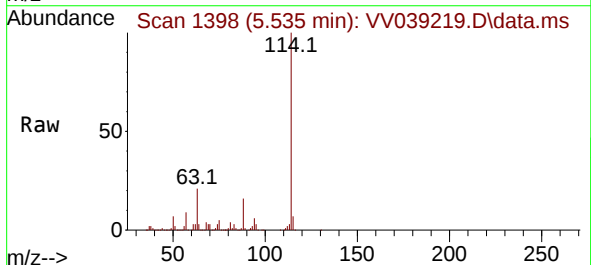
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 65 Resp: 324652  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 107.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 5.535 min Scan# 1398  
Delta R.T. 0.006 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 114 Resp: 799353  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 42.6  
88 15.7 0.0 30.8

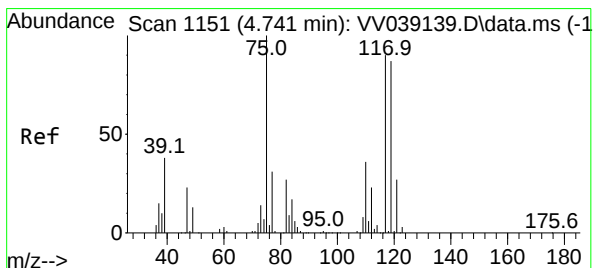
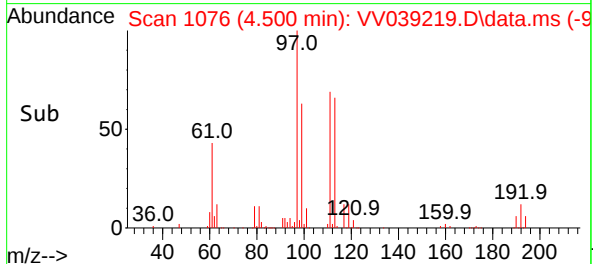
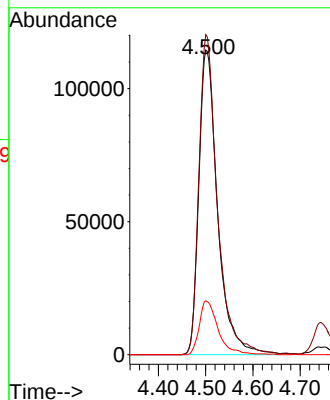
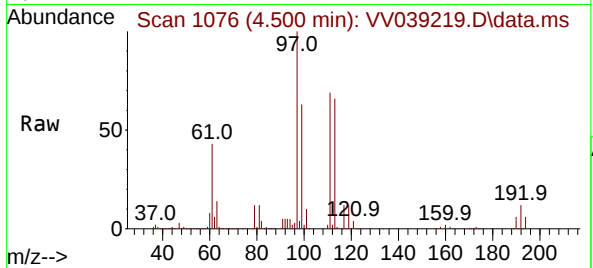




#35  
Dibromofluoromethane  
Concen: 49.222 ug/l  
RT: 4.500 min Scan# 1105  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

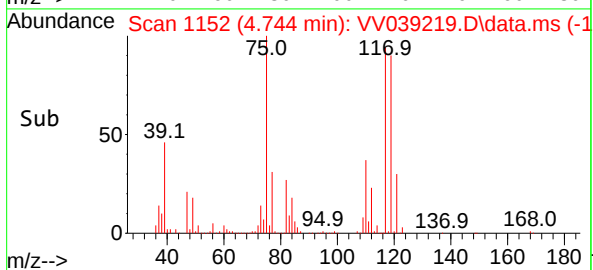
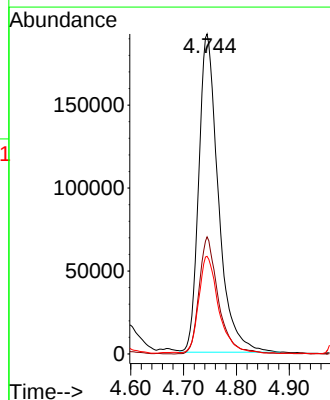
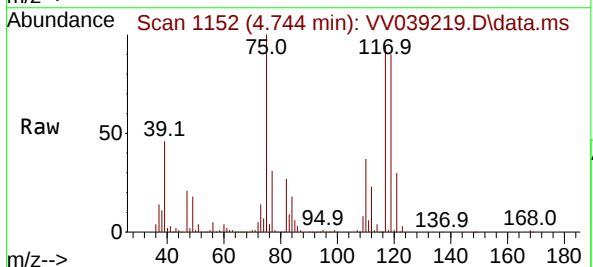
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

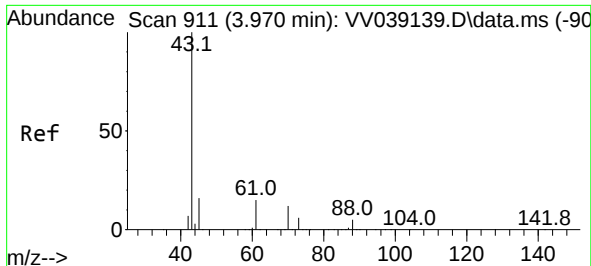
Tgt Ion:113 Resp: 316310  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.4 123.6  
192 17.6 13.8 20.8



#36  
1,1-Dichloropropene  
Concen: 50.905 ug/l  
RT: 4.744 min Scan# 1152  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 75 Resp: 494580  
Ion Ratio Lower Upper  
75 100  
110 36.3 18.1 54.1  
77 30.6 24.8 37.2

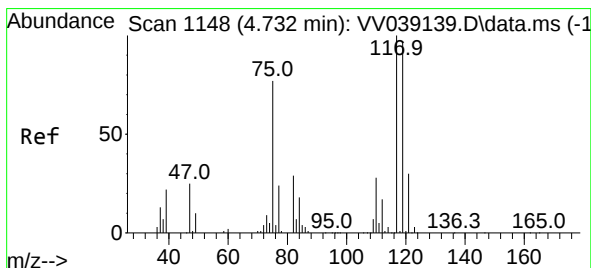
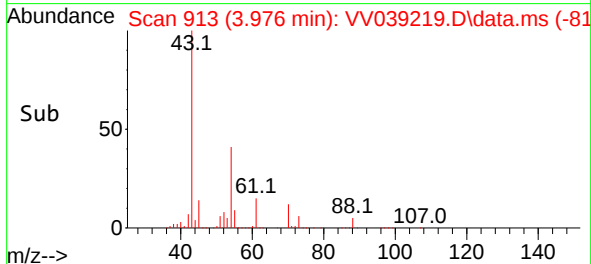
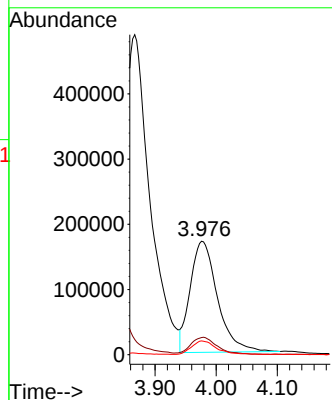
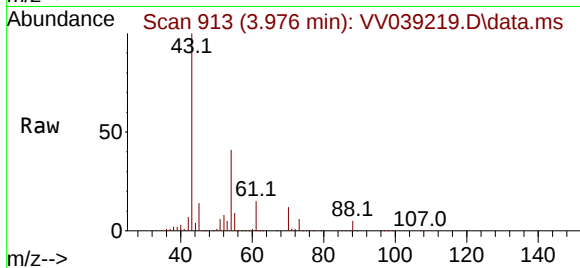




#37  
Ethyl Acetate  
Concen: 44.894 ug/l  
RT: 3.976 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

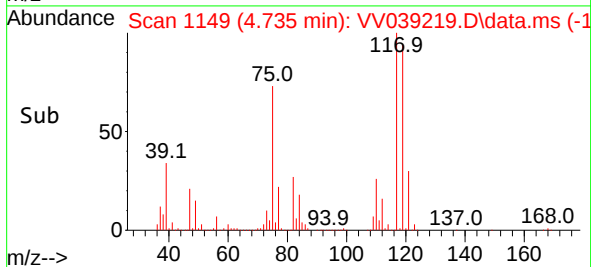
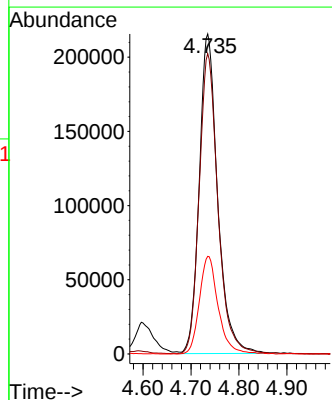
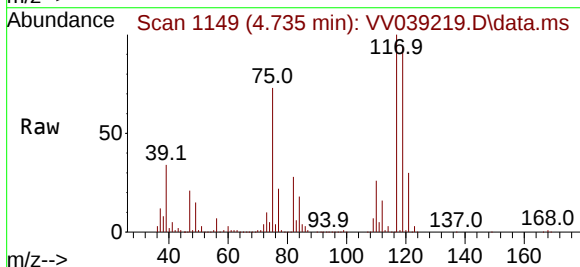
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

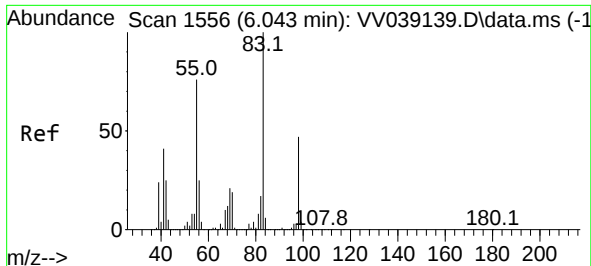
Tgt Ion: 43 Resp: 529273  
Ion Ratio Lower Upper  
43 100  
61 14.3 10.3 15.5  
70 11.0 8.0 12.0



#38  
Carbon Tetrachloride  
Concen: 48.484 ug/l  
RT: 4.735 min Scan# 1149  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 117 Resp: 575703  
Ion Ratio Lower Upper  
117 100  
119 93.9 77.2 115.8  
121 30.5 24.2 36.2





#39

Methylcyclohexane

Concen: 45.989 ug/l

RT: 6.047 min Scan# 11

Delta R.T. 0.004 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

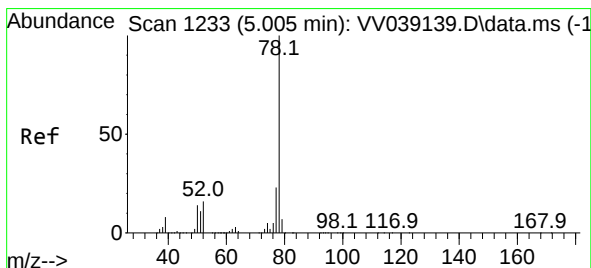
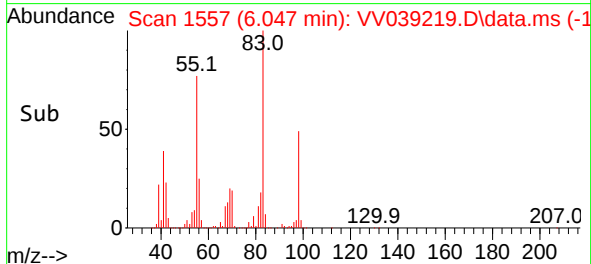
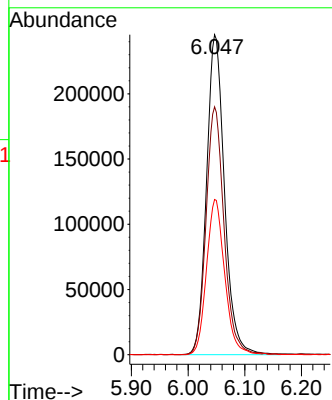
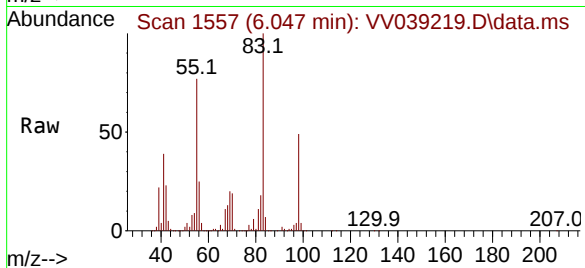
Tgt Ion: 83 Resp: 539589

Ion Ratio Lower Upper

83 100

55 77.4 60.5 90.7

98 48.5 37.8 56.6



#40

Benzene

Concen: 50.500 ug/l

RT: 5.008 min Scan# 1234

Delta R.T. 0.003 min

Lab File: VV039219.D

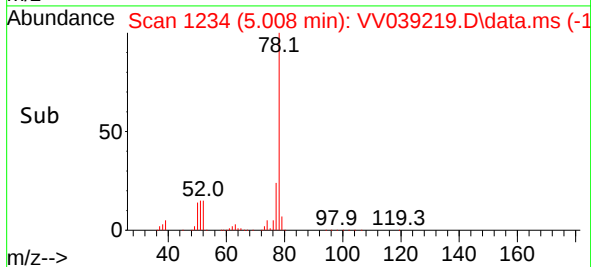
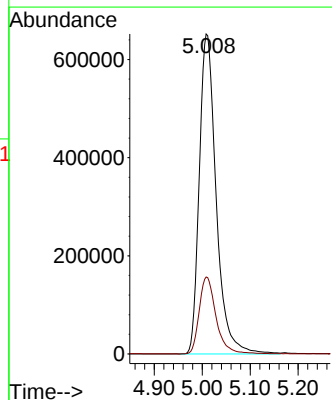
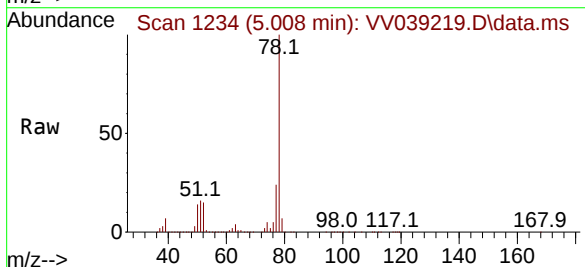
Acq: 26 Sep 2025 17:35

Tgt Ion: 78 Resp: 1597697

Ion Ratio Lower Upper

78 100

77 24.0 18.7 28.1

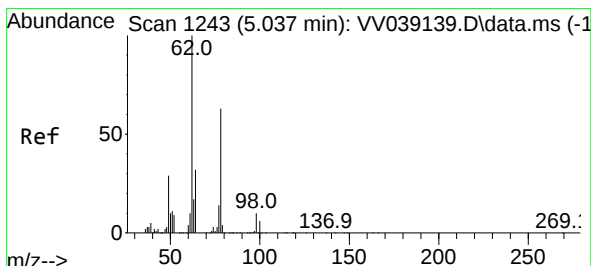
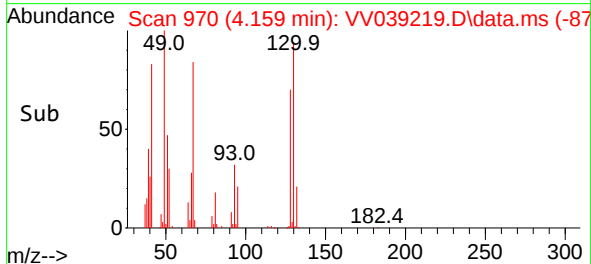
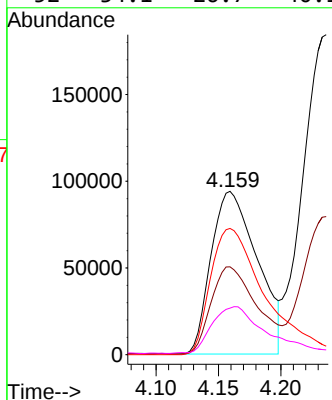
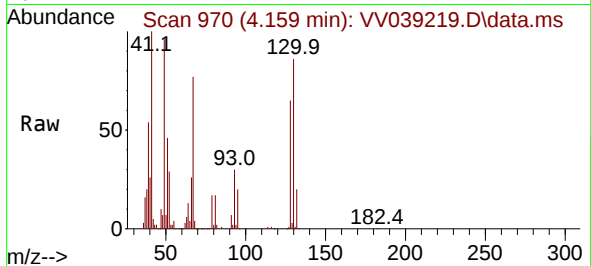




#41  
Methacrylonitrile  
Concen: 45.650 ug/l  
RT: 4.159 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

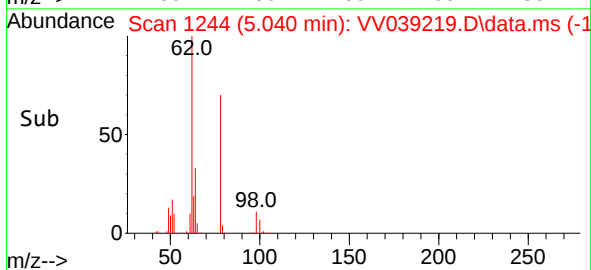
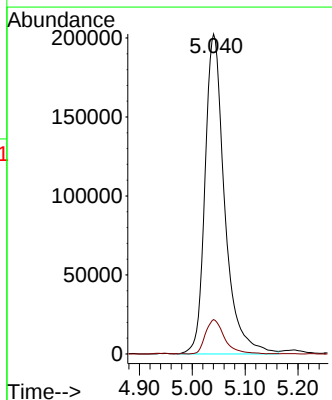
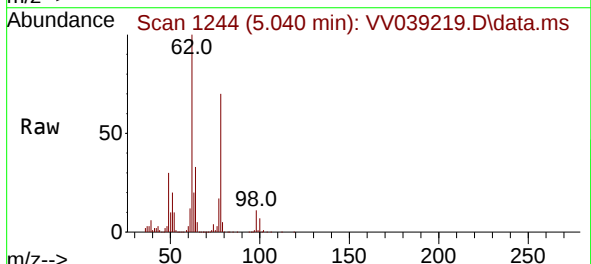
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 242409  
Ion Ratio Lower Upper  
41 100  
39 54.0 42.2 63.2  
67 94.1 67.9 101.9  
52 34.1 26.7 40.1



#42  
1,2-Dichloroethane  
Concen: 47.286 ug/l  
RT: 5.040 min Scan# 1244  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 62 Resp: 524192  
Ion Ratio Lower Upper  
62 100  
98 10.4 0.0 19.2

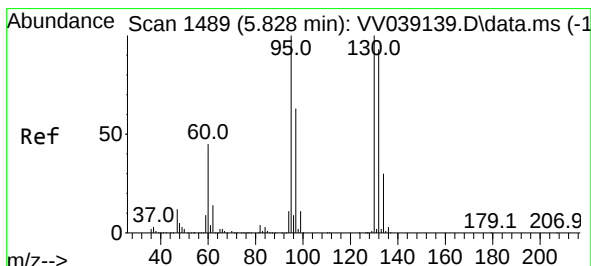
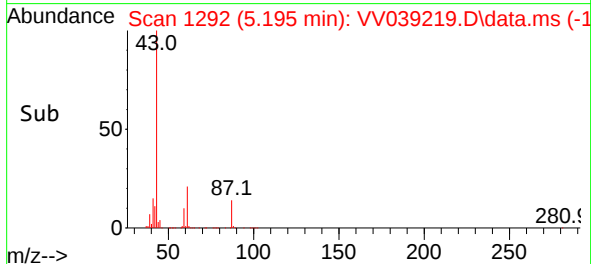
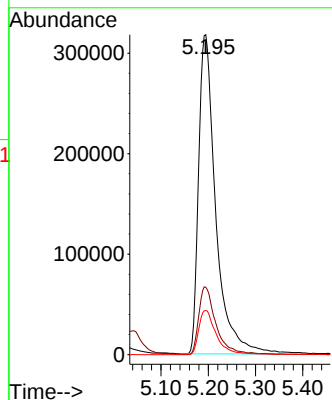
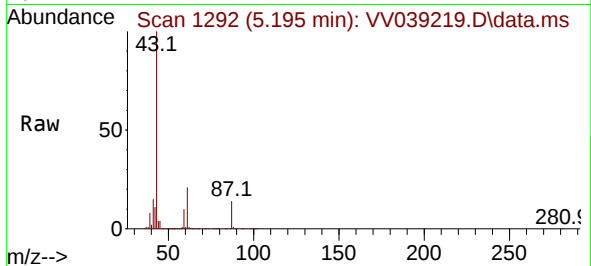




#43  
Isopropyl Acetate  
Concen: 49.758 ug/l  
RT: 5.195 min Scan# 1292  
Delta R.T. 0.006 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

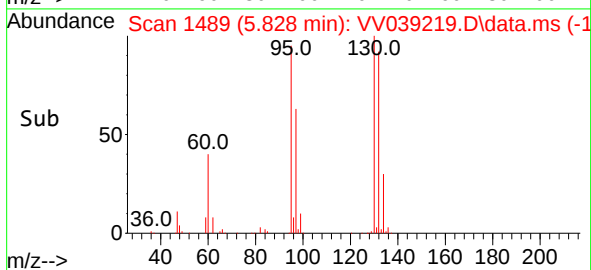
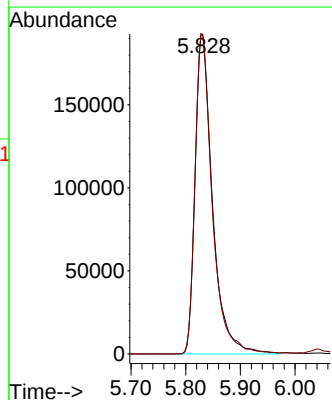
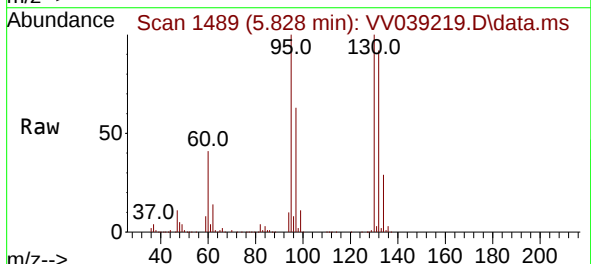
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

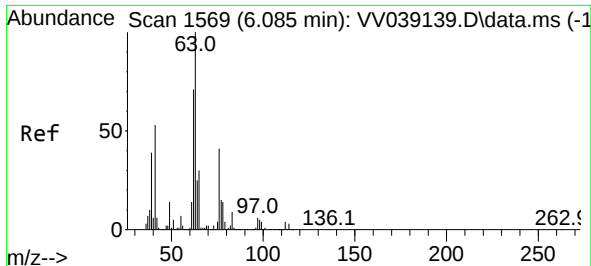
Tgt Ion: 43 Resp: 799837  
Ion Ratio Lower Upper  
43 100  
61 20.8 15.9 23.9  
87 14.3 11.0 16.6



#44  
Trichloroethene  
Concen: 58.220 ug/l  
RT: 5.828 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion:130 Resp: 425039  
Ion Ratio Lower Upper  
130 100  
95 99.9 0.0 199.2





#45

1,2-Dichloropropane

Concen: 51.728 ug/l

RT: 6.088 min Scan# 1569

Delta R.T. 0.003 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

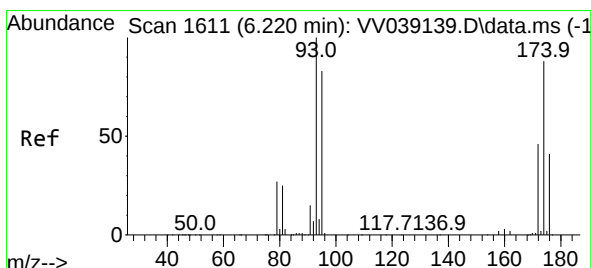
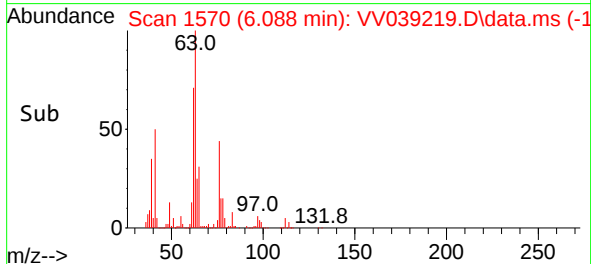
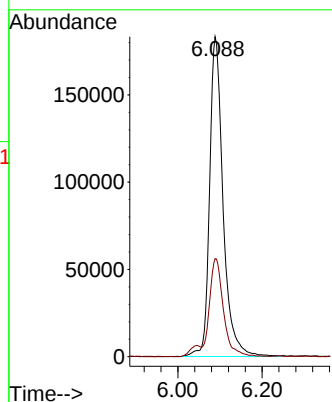
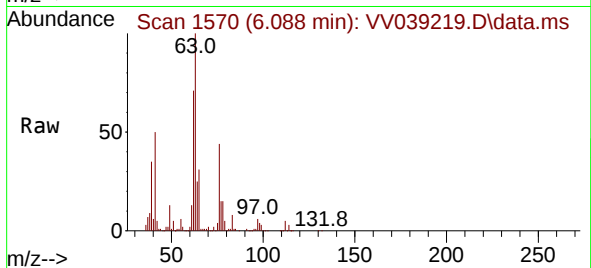
VSTDCCC050EC

Tgt Ion: 63 Resp: 406783

Ion Ratio Lower Upper

63 100

65 30.7 23.7 35.5



#46

Dibromomethane

Concen: 51.049 ug/l

RT: 6.223 min Scan# 1612

Delta R.T. 0.003 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

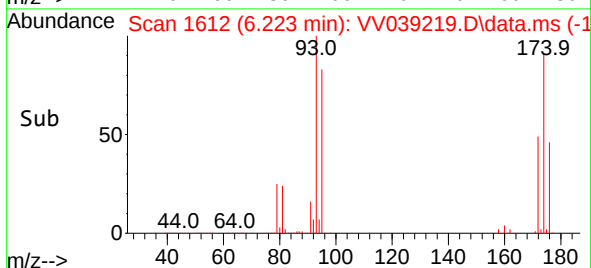
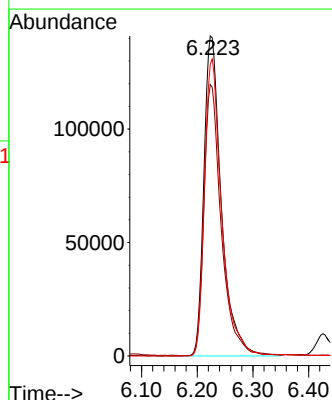
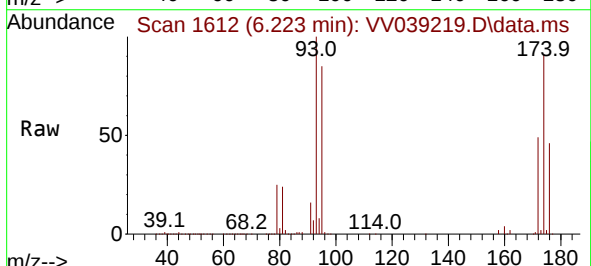
Tgt Ion: 93 Resp: 307252

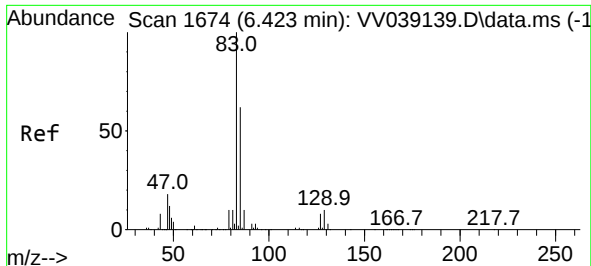
Ion Ratio Lower Upper

93 100

95 83.9 65.5 98.3

174 91.9 69.0 103.4



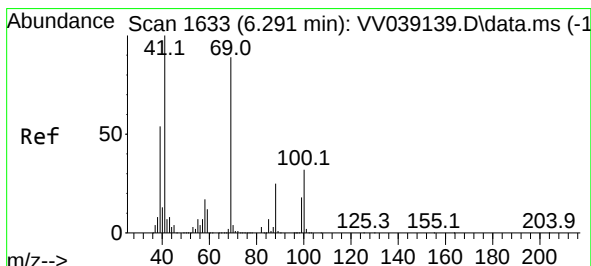
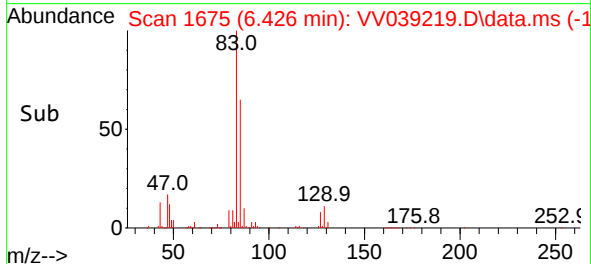
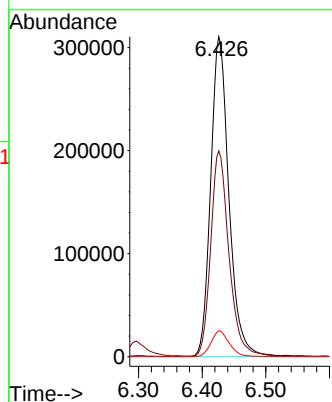
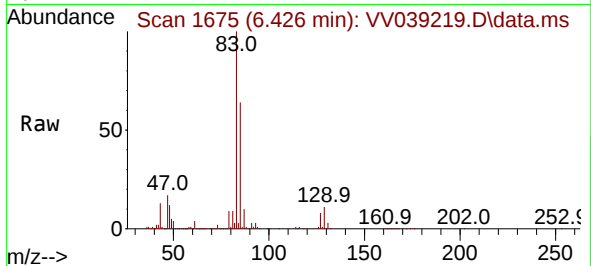


#47  
 Bromodichloromethane  
 Concen: 49.659 ug/l  
 RT: 6.426 min Scan# 1675  
 Delta R.T. 0.003 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 83 Resp: 617902  

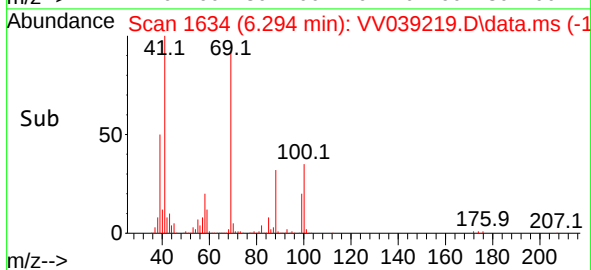
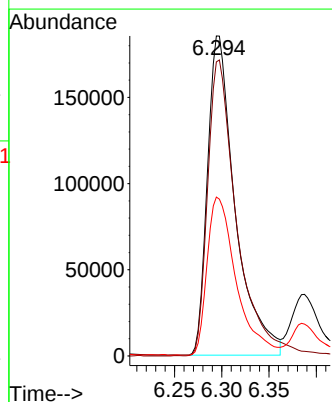
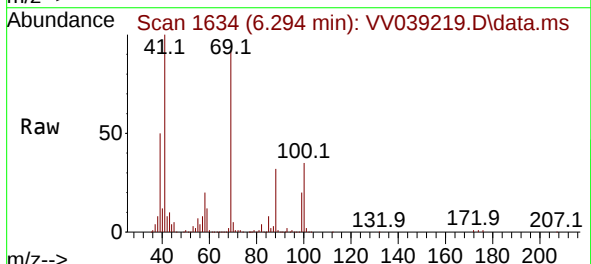
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.1  | 49.7  | 74.5  |
| 127 | 8.1   | 6.6   | 9.8   |

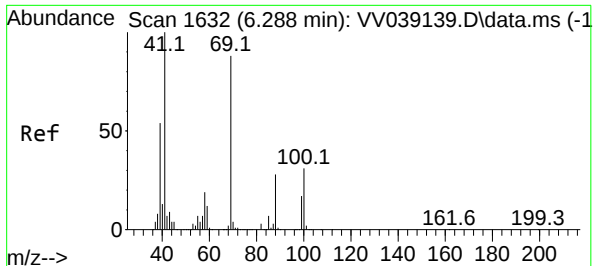


#48  
 Methyl methacrylate  
 Concen: 51.921 ug/l  
 RT: 6.294 min Scan# 1634  
 Delta R.T. 0.003 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

Tgt Ion: 41 Resp: 378323  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 69  | 97.5  | 72.4  | 108.6 |
| 39  | 51.5  | 42.5  | 63.7  |





#49

1,4-Dioxane

Concen: 1212.949 ug/l

RT: 6.291 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

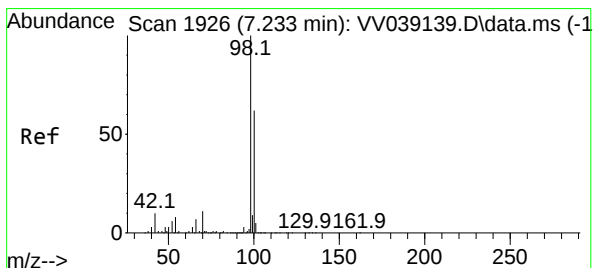
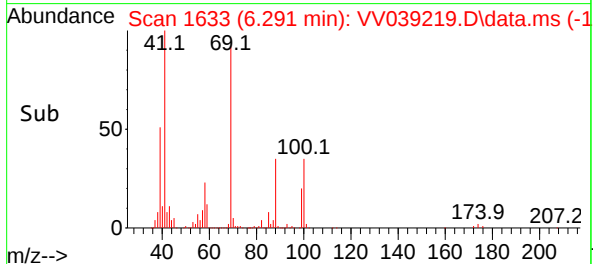
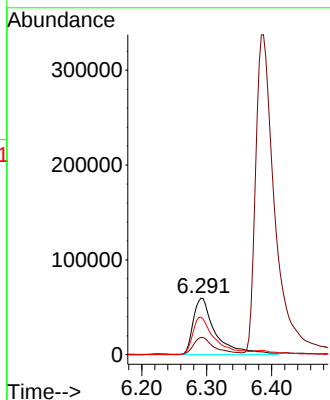
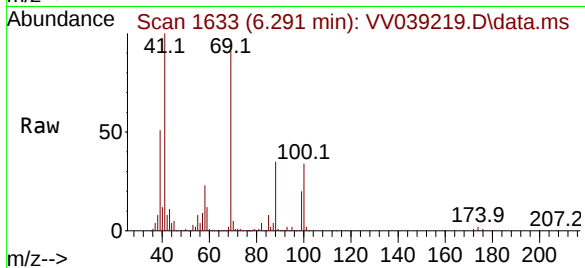
Tgt Ion: 88 Resp: 142630

Ion Ratio Lower Upper

88 100

43 28.3 25.1 37.7

58 65.8 53.6 80.4



#50

Toluene-d8

Concen: 48.762 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.003 min

Lab File: VV039219.D

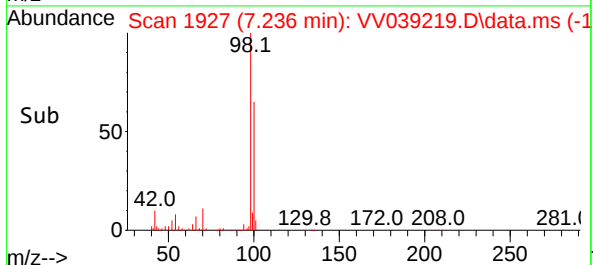
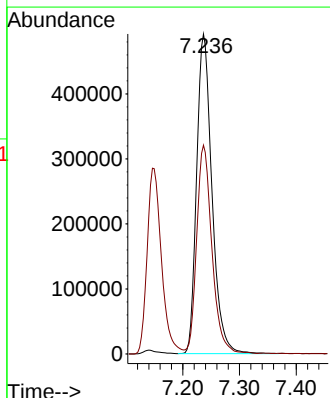
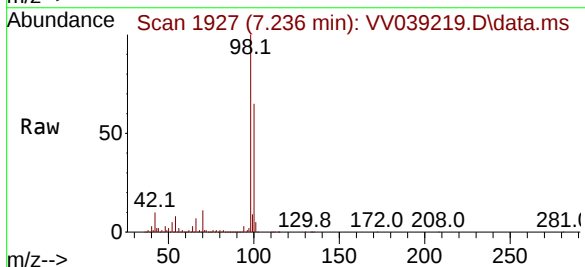
Acq: 26 Sep 2025 17:35

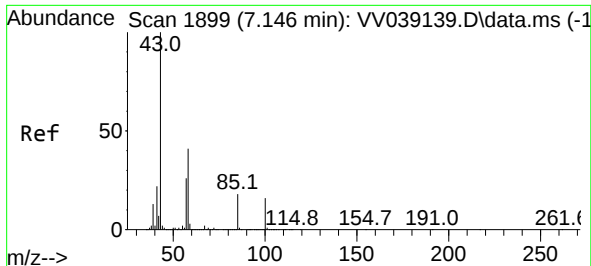
Tgt Ion: 98 Resp: 920323

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 271.406 ug/l

RT: 7.146 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

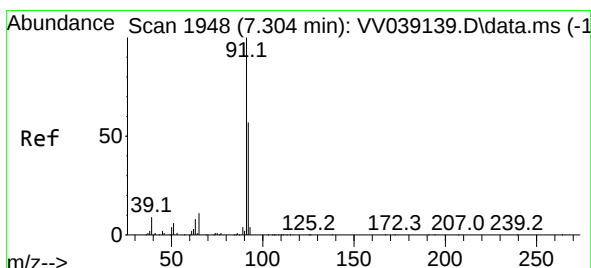
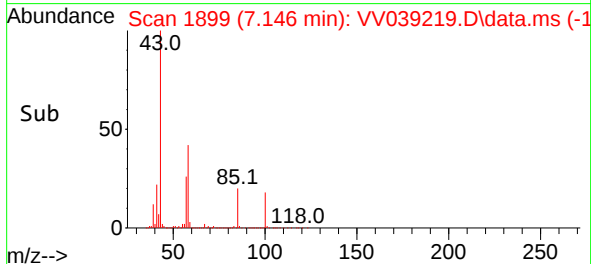
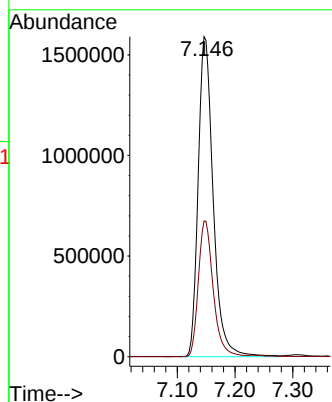
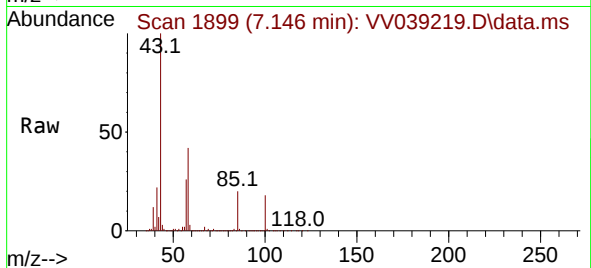
VSTDCCC050EC

Tgt Ion: 43 Resp: 2870123

Ion Ratio Lower Upper

43 100

58 42.0 32.3 48.5



#52

Toluene

Concen: 55.062 ug/l

RT: 7.307 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV039219.D

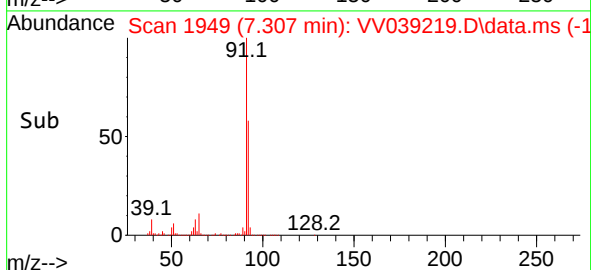
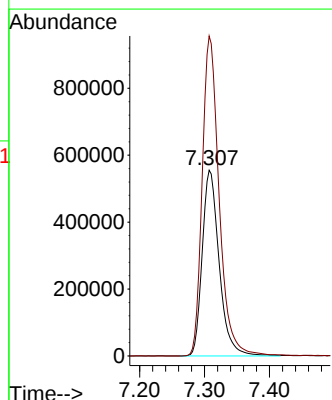
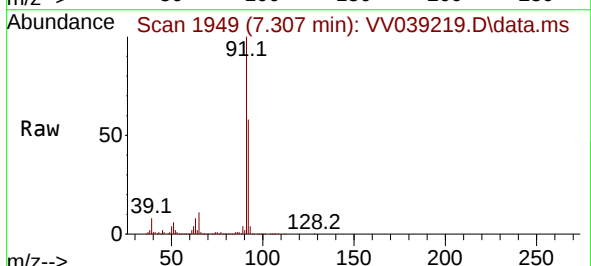
Acq: 26 Sep 2025 17:35

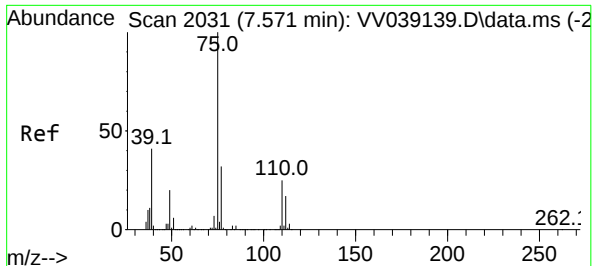
Tgt Ion: 92 Resp: 1010036

Ion Ratio Lower Upper

92 100

91 172.4 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 53.136 ug/l

RT: 7.574 min Scan# 2031

Delta R.T. 0.003 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

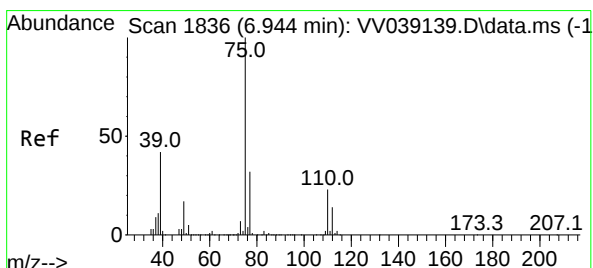
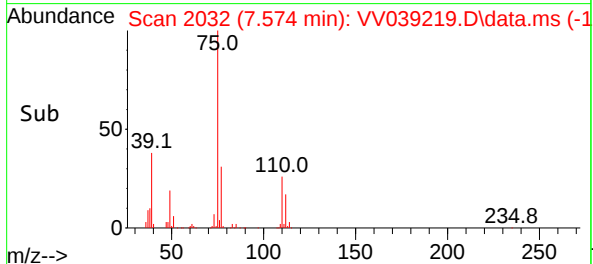
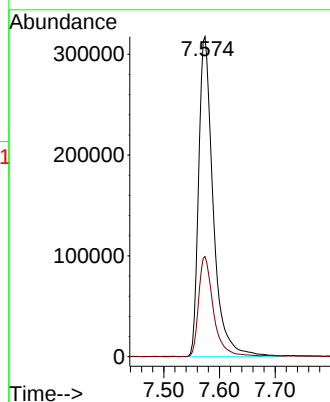
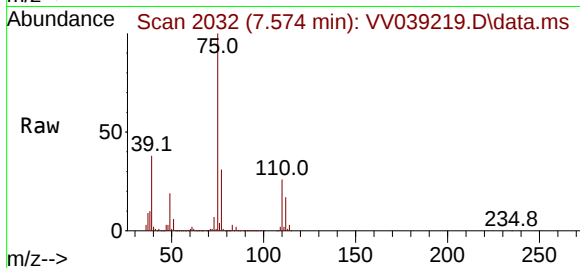
VSTDCCC050EC

Tgt Ion: 75 Resp: 576194

Ion Ratio Lower Upper

75 100

77 31.2 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 48.395 ug/l

RT: 6.947 min Scan# 1837

Delta R.T. 0.003 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

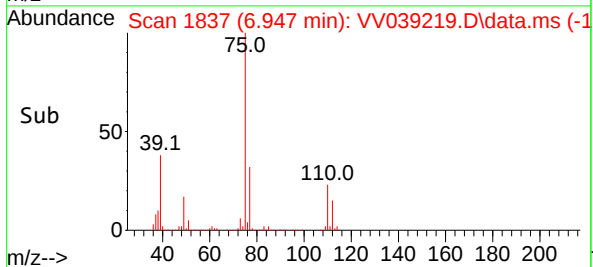
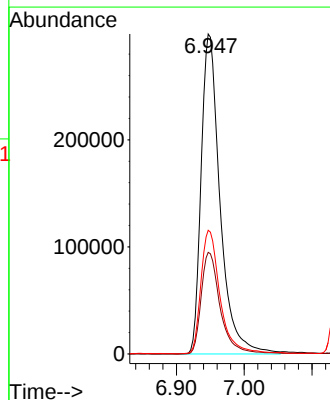
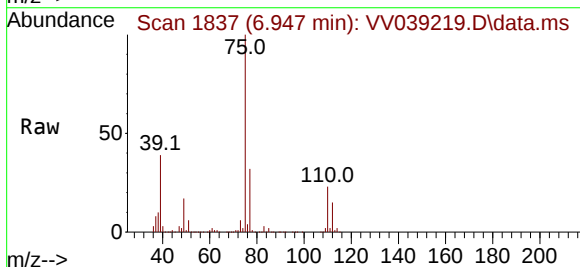
Tgt Ion: 75 Resp: 579340

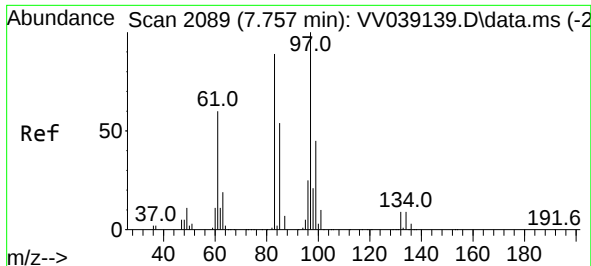
Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

39 38.6 33.8 50.6



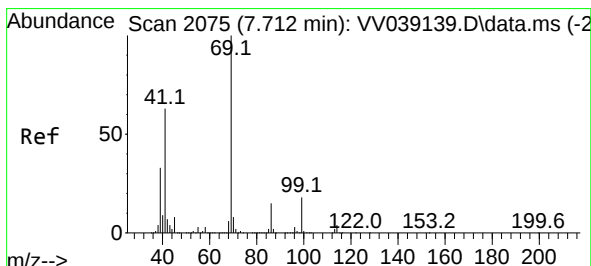
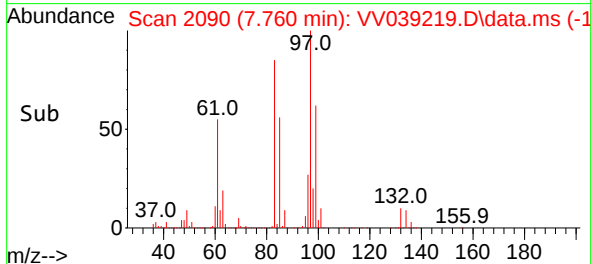
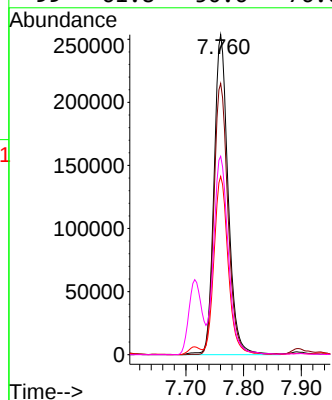
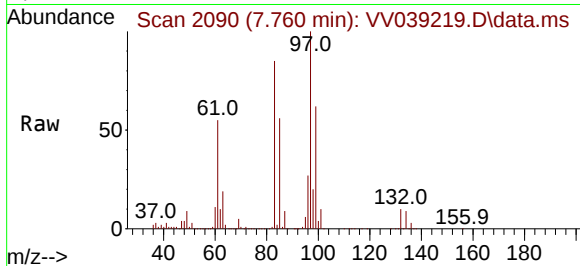


#55  
1,1,2-Trichloroethane  
Concen: 52.374 ug/l  
RT: 7.760 min Scan# 2089  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 430777

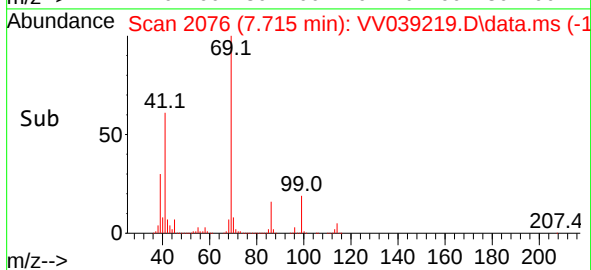
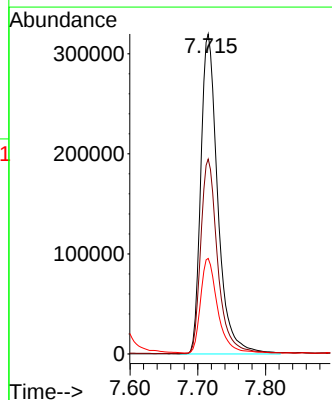
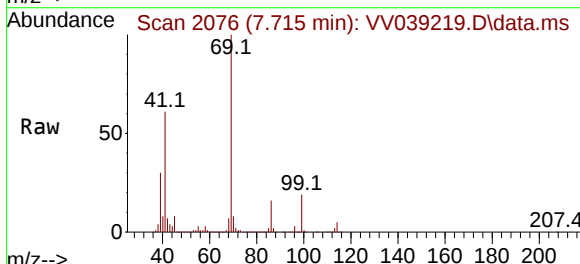
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 84.7  | 71.1  | 106.7 |
| 85  | 55.7  | 44.6  | 67.0  |
| 99  | 61.8  | 50.6  | 76.0  |

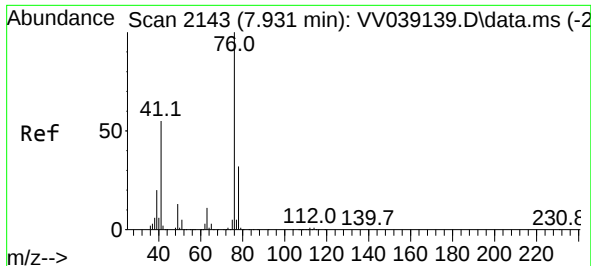


#56  
Ethyl methacrylate  
Concen: 56.926 ug/l  
RT: 7.715 min Scan# 2076  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 69 Resp: 556043

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 61.0  | 50.7  | 76.1  |
| 39  | 29.8  | 26.0  | 39.0  |

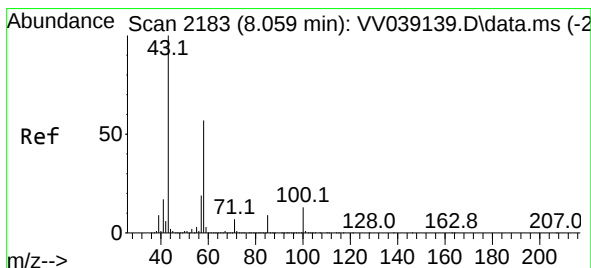
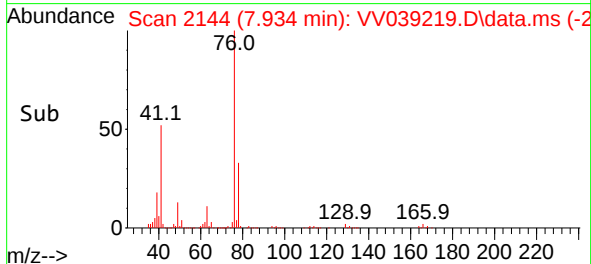
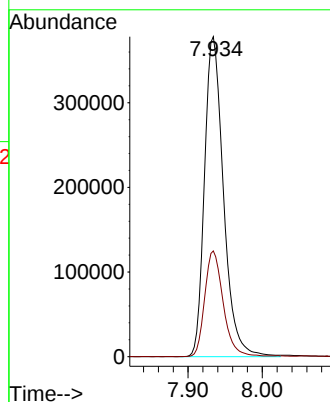
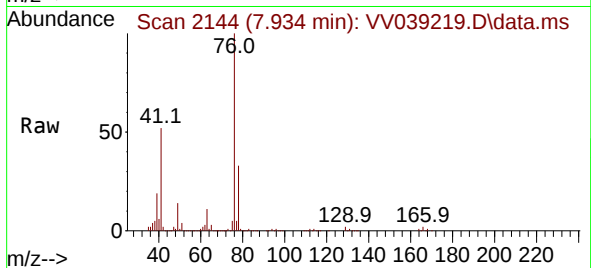




#57  
1,3-Dichloropropane  
Concen: 51.745 ug/l  
RT: 7.934 min Scan# 2143  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

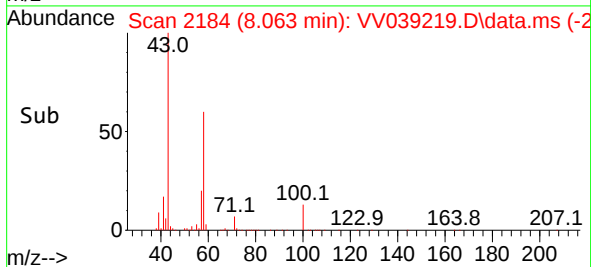
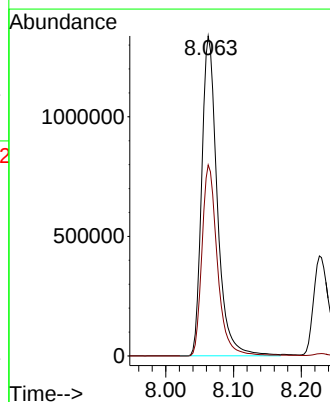
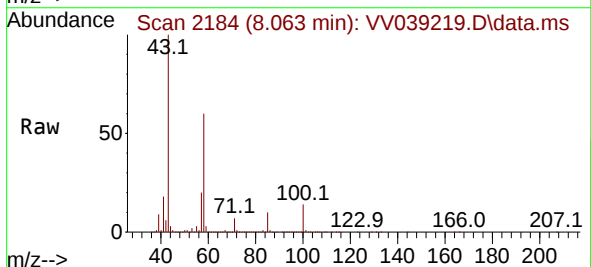
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

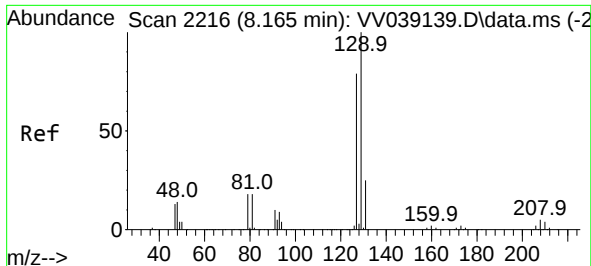
Tgt Ion: 76 Resp: 671674  
Ion Ratio Lower Upper  
76 100  
78 32.3 26.1 39.1



#59  
2-Hexanone  
Concen: 249.959 ug/l  
RT: 8.063 min Scan# 2184  
Delta R.T. 0.004 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 43 Resp: 2133675  
Ion Ratio Lower Upper  
43 100  
58 59.5 28.3 85.0

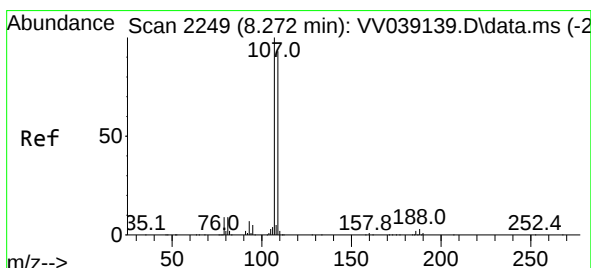
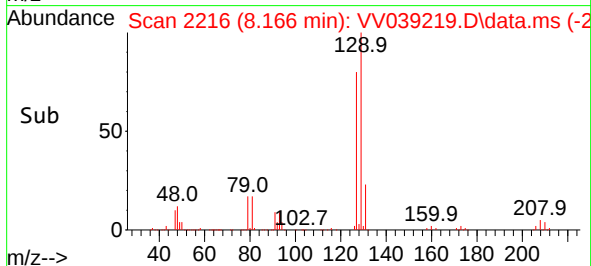
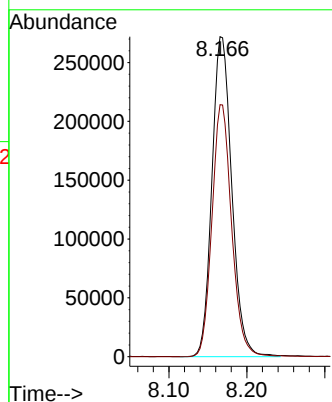
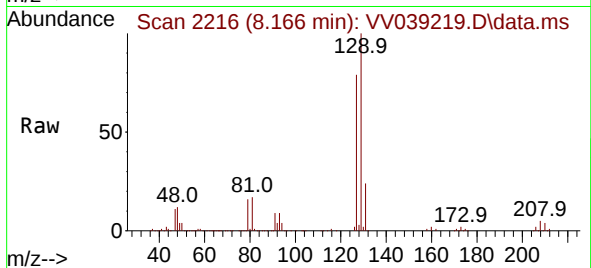




#60  
Dibromochloromethane  
Concen: 51.523 ug/l  
RT: 8.166 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

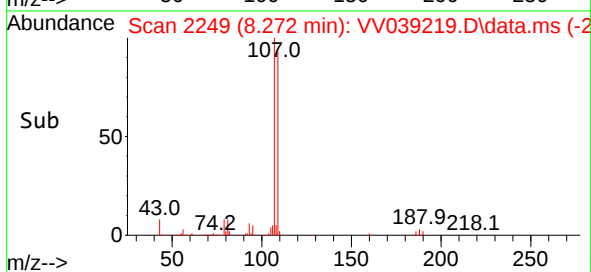
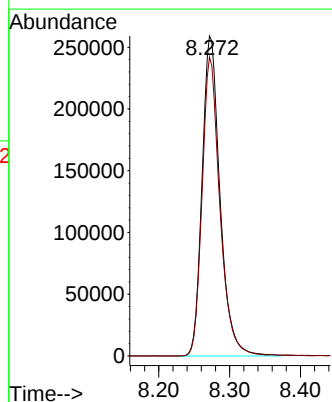
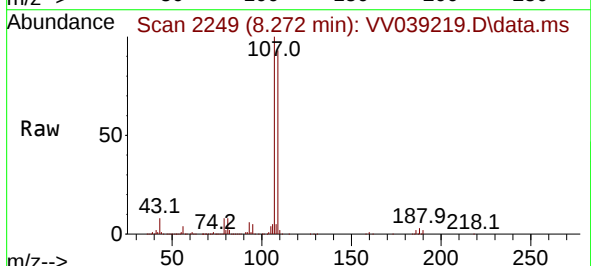
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

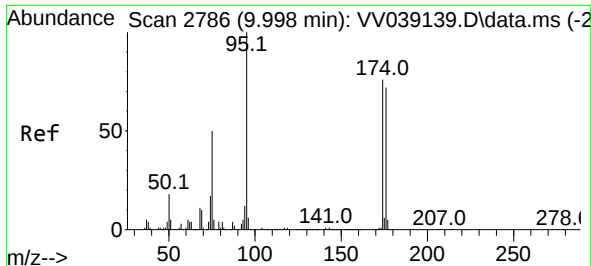
Tgt Ion:129 Resp: 482876  
Ion Ratio Lower Upper  
129 100  
127 78.0 39.3 117.9



#61  
1,2-Dibromoethane  
Concen: 54.046 ug/l  
RT: 8.272 min Scan# 2249  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion:107 Resp: 454614  
Ion Ratio Lower Upper  
107 100  
109 92.7 74.6 112.0

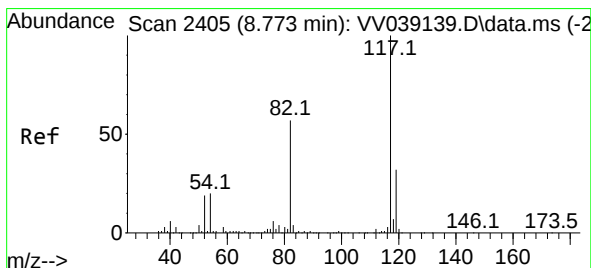
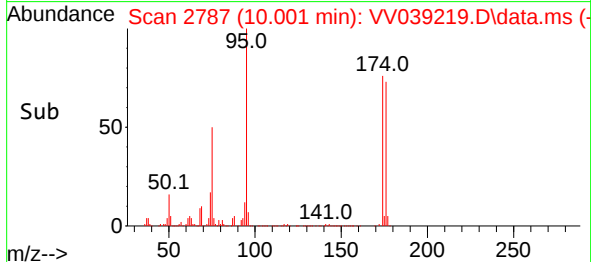
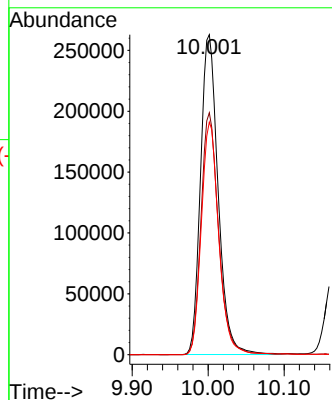
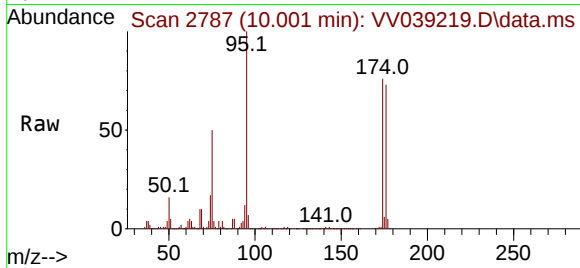




#62  
4-Bromofluorobenzene  
Concen: 54.285 ug/l  
RT: 10.001 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

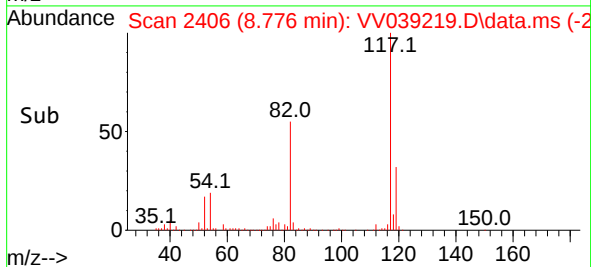
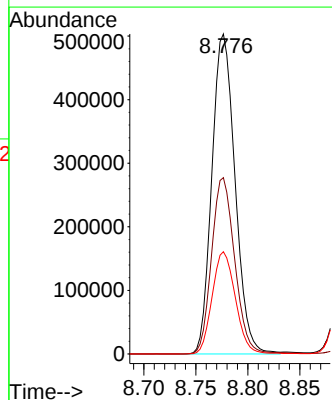
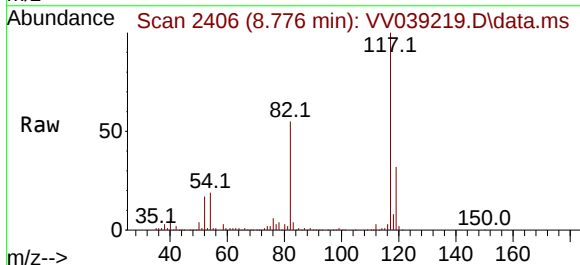
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

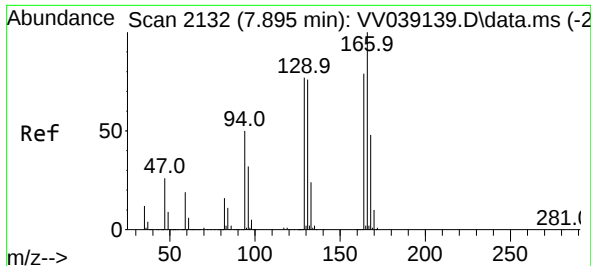
Tgt Ion: 95 Resp: 421785  
Ion Ratio Lower Upper  
95 100  
174 75.6 0.0 150.4  
176 72.3 0.0 144.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 8.776 min Scan# 2406  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 117 Resp: 781290  
Ion Ratio Lower Upper  
117 100  
82 55.1 45.4 68.2  
119 32.0 25.6 38.4

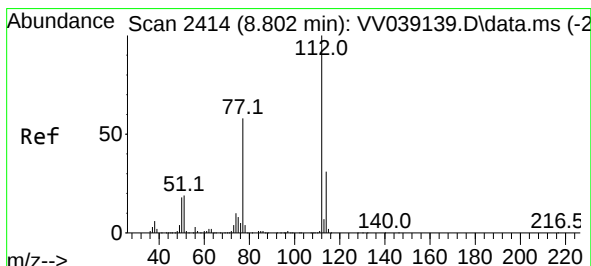
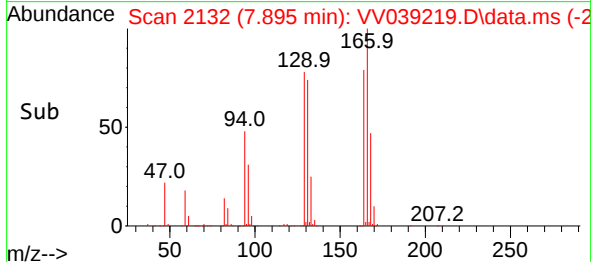
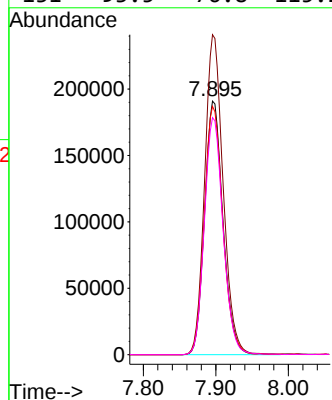
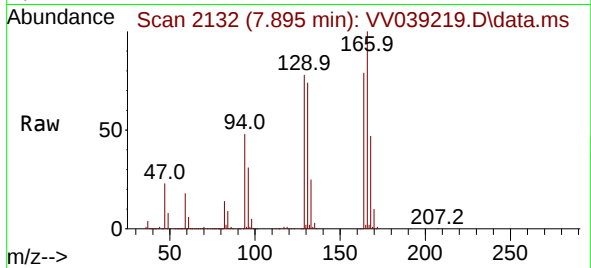




#64  
Tetrachloroethene  
Concen: 51.567 ug/l  
RT: 7.895 min Scan# 2132  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

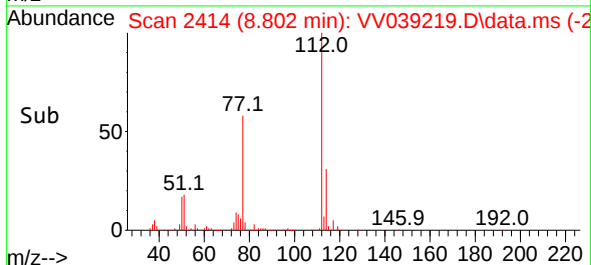
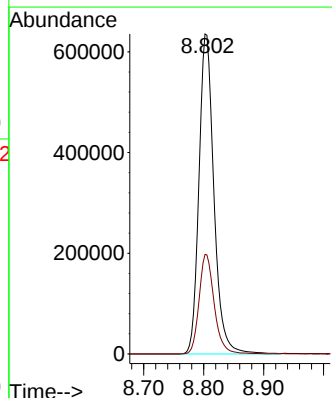
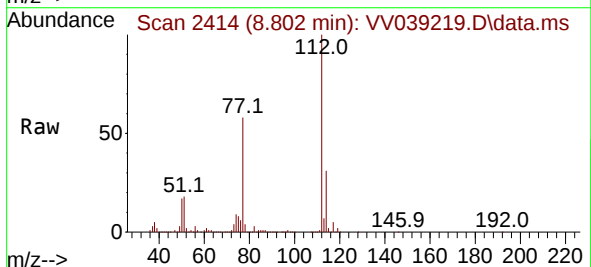
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

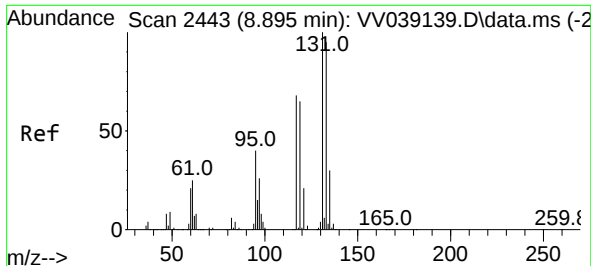
Tgt Ion:164 Resp: 337455  
Ion Ratio Lower Upper  
164 100  
166 126.2 101.6 152.4  
129 97.9 78.5 117.7  
131 93.5 76.8 115.2



#65  
Chlorobenzene  
Concen: 50.786 ug/l  
RT: 8.802 min Scan# 2414  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion:112 Resp: 1105226  
Ion Ratio Lower Upper  
112 100  
114 31.1 24.6 37.0

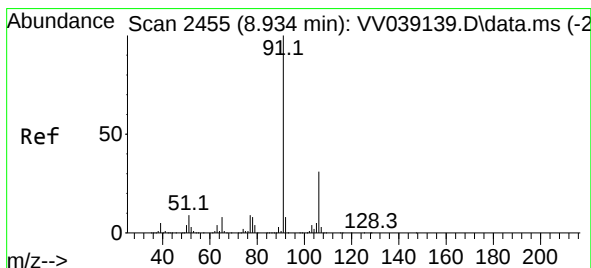
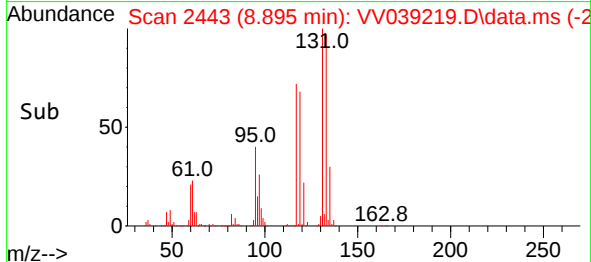
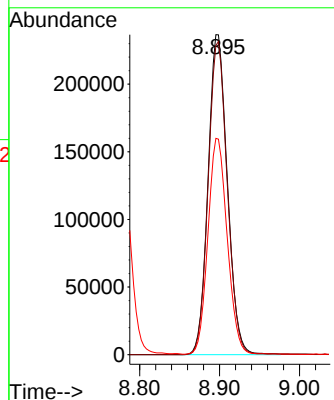
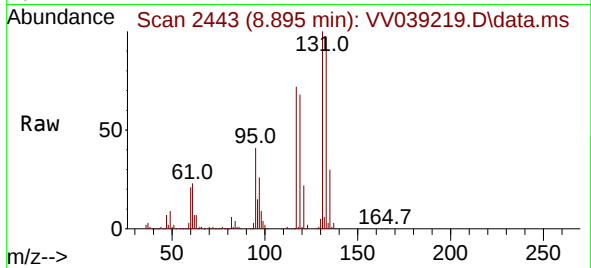




#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 50.535 ug/l  
 RT: 8.895 min Scan# 2443  
 Delta R.T. 0.000 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

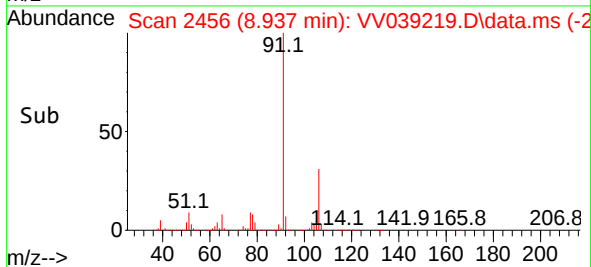
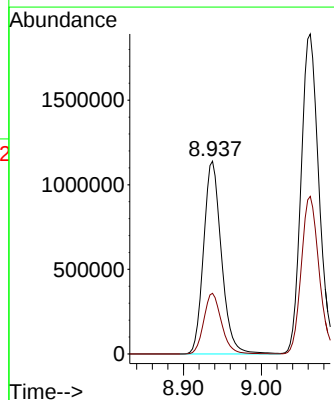
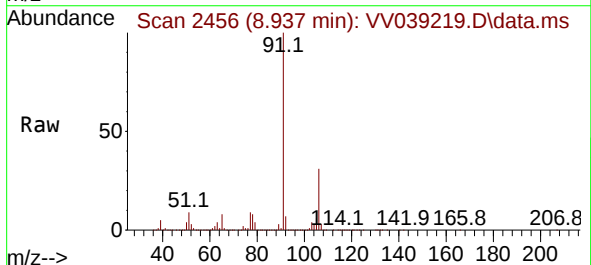
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

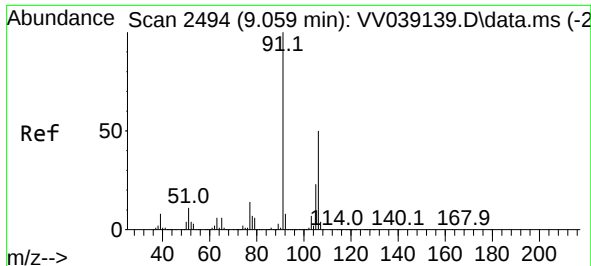
Tgt Ion:131 Resp: 397374  
 Ion Ratio Lower Upper  
 131 100  
 133 96.6 47.3 141.8  
 119 67.1 33.3 99.8



#67  
 Ethyl Benzene  
 Concen: 55.037 ug/l  
 RT: 8.937 min Scan# 2456  
 Delta R.T. 0.003 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

Tgt Ion: 91 Resp: 1813049  
 Ion Ratio Lower Upper  
 91 100  
 106 31.4 24.6 37.0

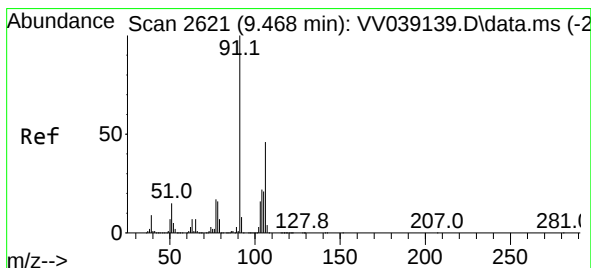
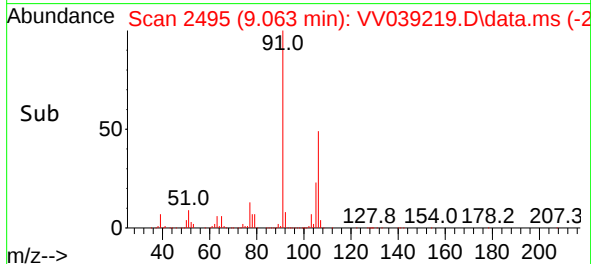
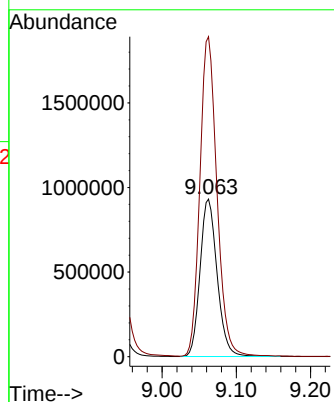
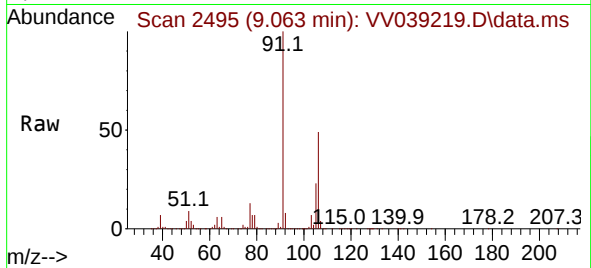




#68  
m/p-Xylenes  
Concen: 116.935 ug/l  
RT: 9.063 min Scan# 2494  
Delta R.T. 0.004 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

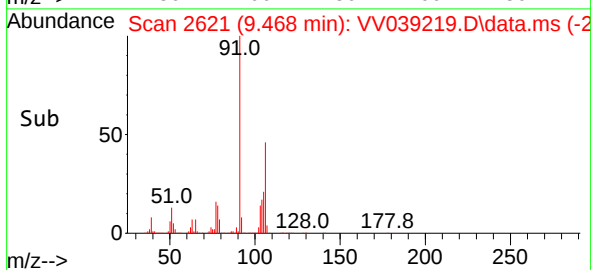
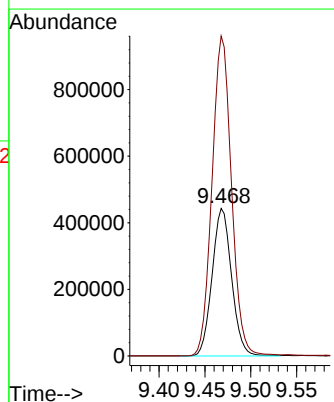
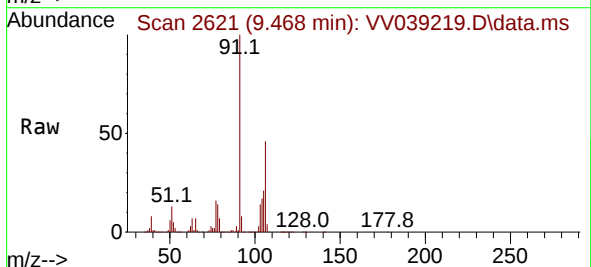
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

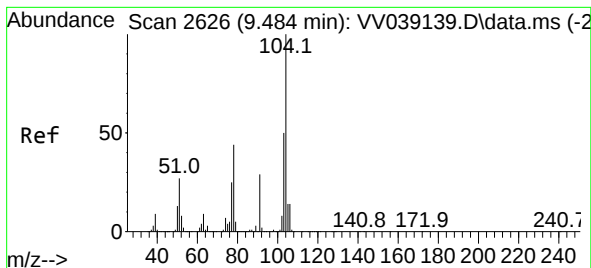
Tgt Ion:106 Resp: 1486759  
Ion Ratio Lower Upper  
106 100  
91 203.8 162.5 243.7



#69  
o-Xylene  
Concen: 58.089 ug/l  
RT: 9.468 min Scan# 2621  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion:106 Resp: 653952  
Ion Ratio Lower Upper  
106 100  
91 216.1 109.1 327.3





#70

Styrene

Concen: 52.085 ug/l

RT: 9.484 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

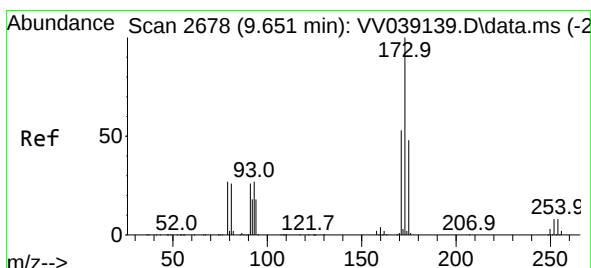
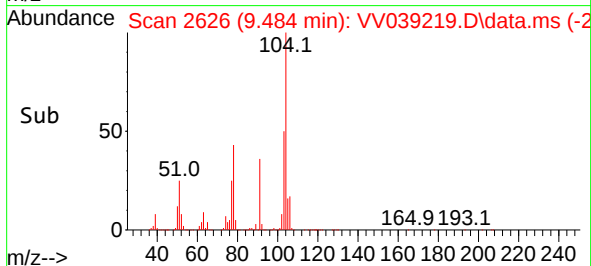
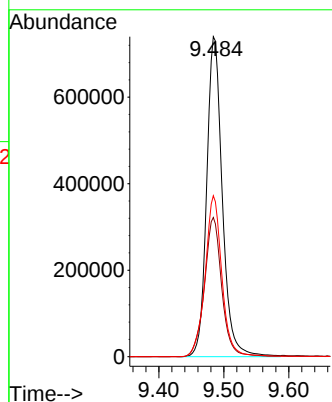
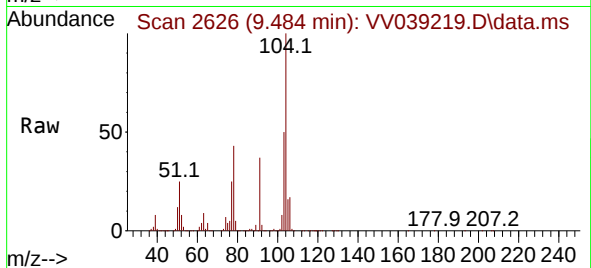
Tgt Ion:104 Resp: 1243325

Ion Ratio Lower Upper

104 100

78 48.0 39.8 59.6

103 53.9 43.4 65.2



#71

Bromoform

Concen: 54.664 ug/l

RT: 9.654 min Scan# 2679

Delta R.T. 0.003 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

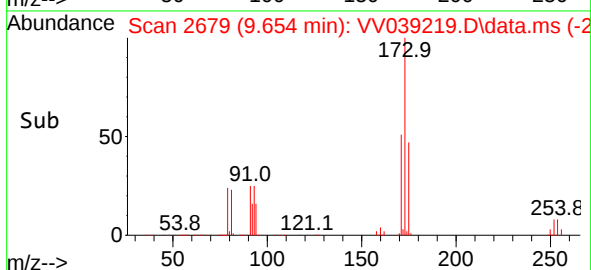
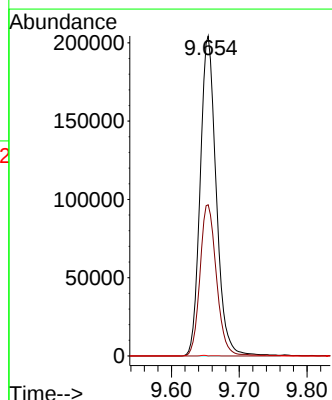
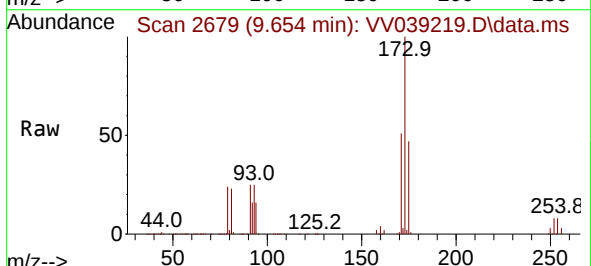
Tgt Ion:173 Resp: 335756

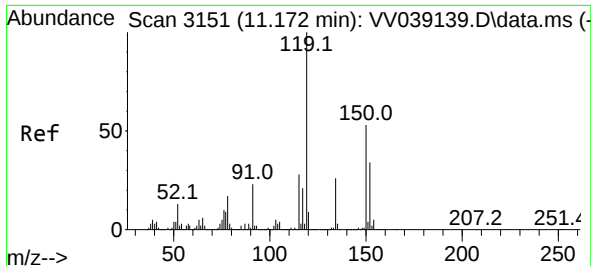
Ion Ratio Lower Upper

173 100

175 48.5 23.9 71.7

254 0.1 0.1 0.1#

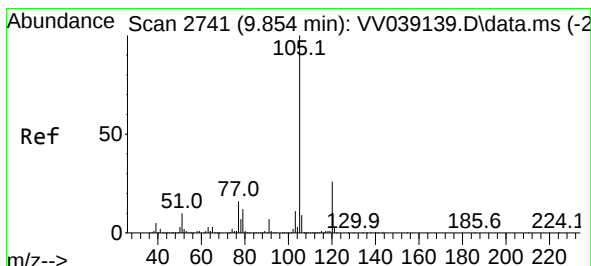
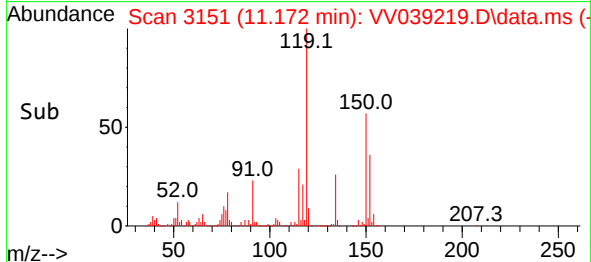
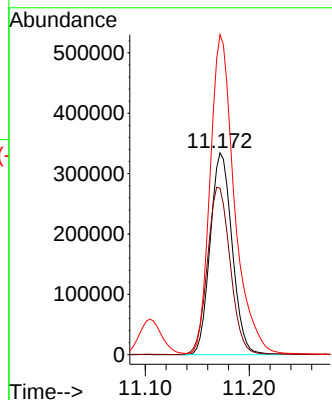
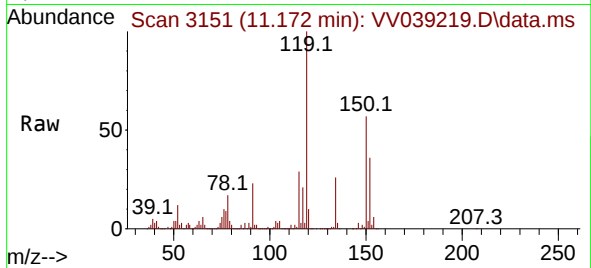




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.172 min Scan# 3151  
Delta R.T. -0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

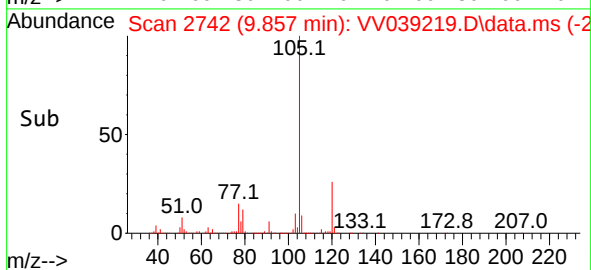
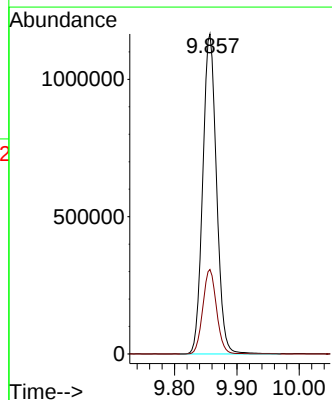
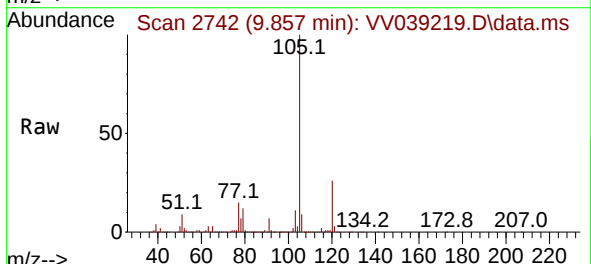
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

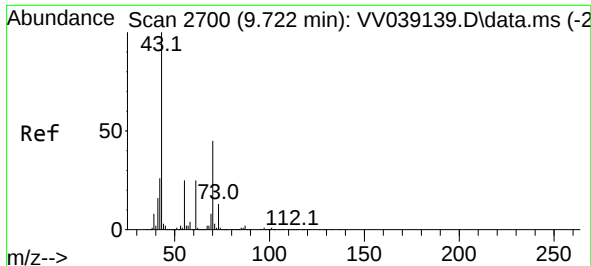
Tgt Ion:152 Resp: 491363  
Ion Ratio Lower Upper  
152 100  
115 85.9 44.8 134.4  
150 175.6 0.0 353.8



#73  
Isopropylbenzene  
Concen: 50.246 ug/l  
RT: 9.857 min Scan# 2742  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion:105 Resp: 1790695  
Ion Ratio Lower Upper  
105 100  
120 26.3 13.1 39.1

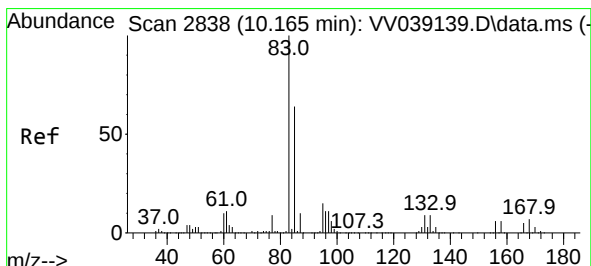
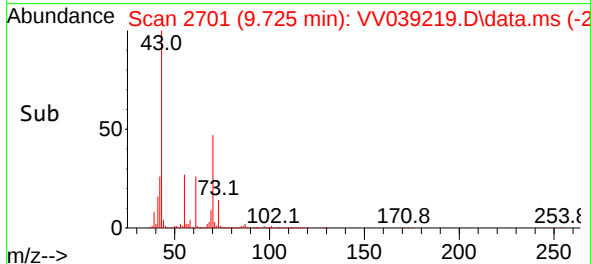
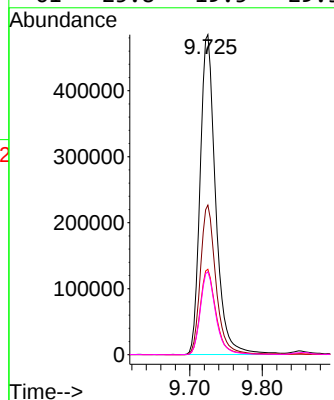
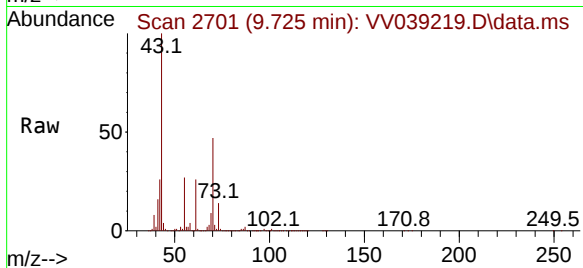




#74  
N-amy1 acetate  
Concen: 50.712 ug/l  
RT: 9.725 min Scan# 2700  
Delta R.T. 0.003 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

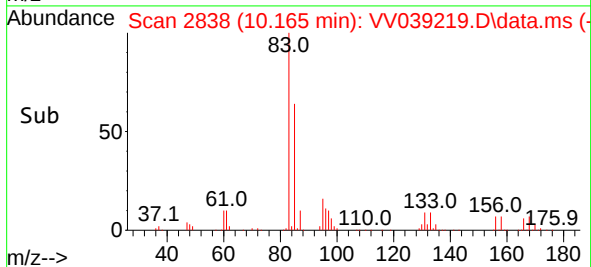
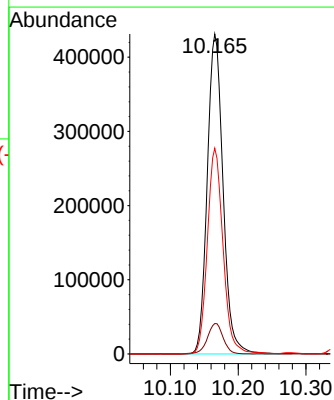
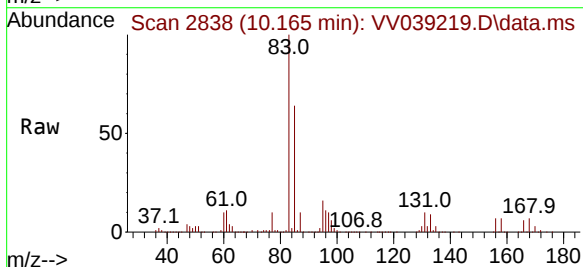
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

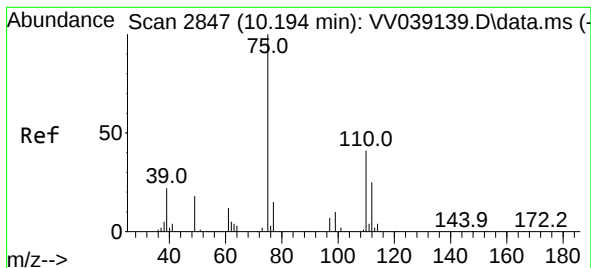
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 720904 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 70       | 46.7  | 35.4  | 53.0   |
| 55       | 27.0  | 20.6  | 30.8   |
| 61       | 25.8  | 19.5  | 29.3   |



#75  
1,1,2,2-Tetrachloroethane  
Concen: 44.658 ug/l  
RT: 10.165 min Scan# 2838  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 697351 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 9.6   | 4.5   | 13.7   |
| 85       | 64.0  | 31.9  | 95.9   |





#76

1,2,3-Trichloropropane

Concen: 47.214 ug/l

RT: 10.198 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

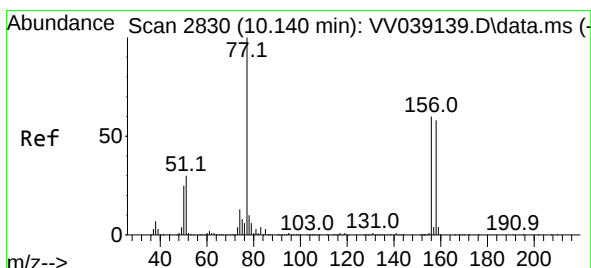
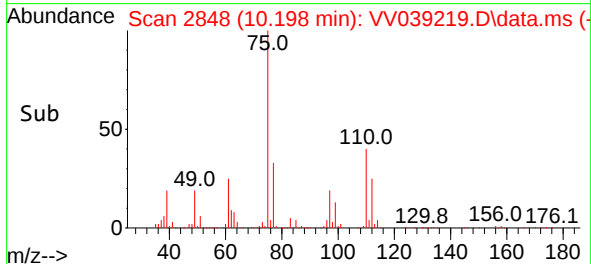
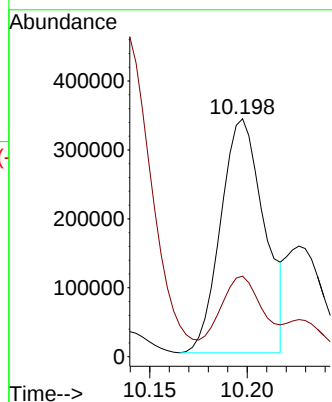
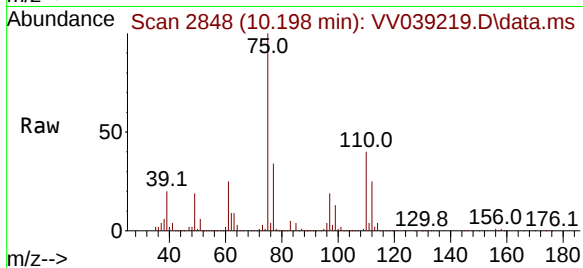
VSTDCCC050EC

Tgt Ion: 75 Resp: 528208

Ion Ratio Lower Upper

75 100

77 23.8 11.3 33.8



#77

Bromobenzene

Concen: 48.787 ug/l

RT: 10.140 min Scan# 2830

Delta R.T. 0.000 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

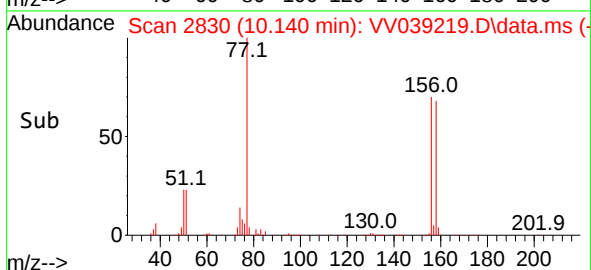
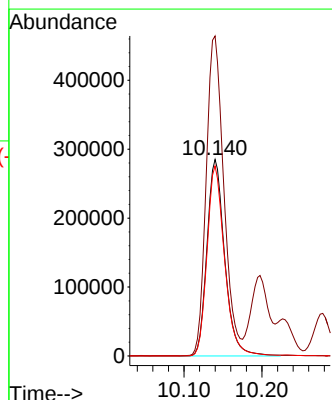
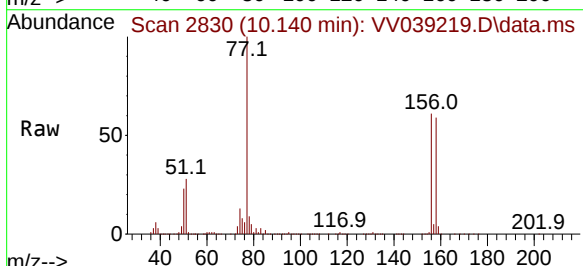
Tgt Ion:156 Resp: 451102

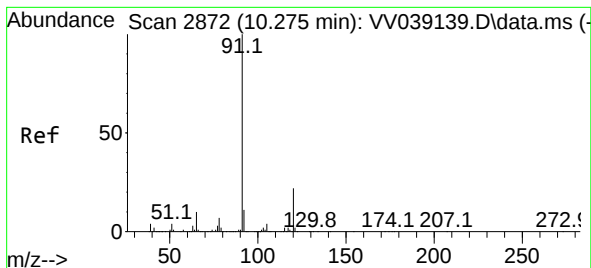
Ion Ratio Lower Upper

156 100

77 162.1 83.4 250.1

158 95.9 48.8 146.4





#78

n-propylbenzene

Concen: 50.239 ug/l

RT: 10.278 min Scan# 2180325

Delta R.T. 0.003 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

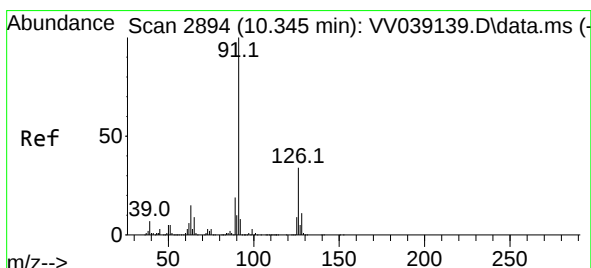
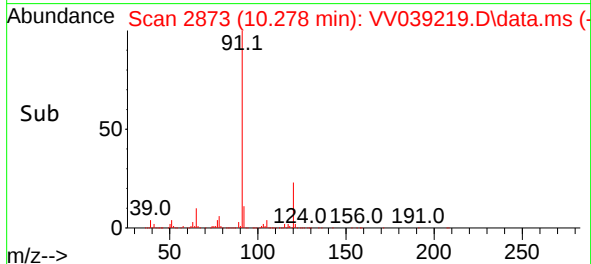
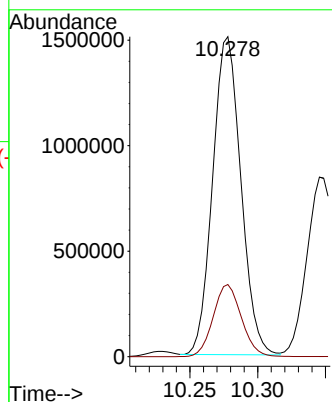
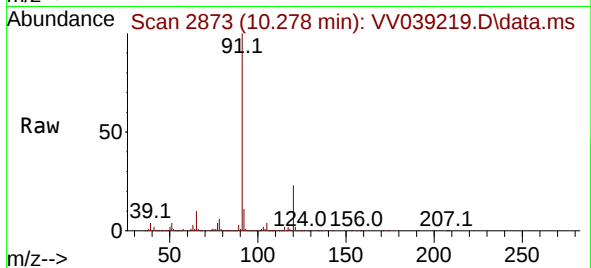
VSTDCCC050EC

Tgt Ion: 91 Resp: 2180325

Ion Ratio Lower Upper

91 100

120 22.8 11.1 33.3



#79

2-Chlorotoluene

Concen: 50.787 ug/l

RT: 10.345 min Scan# 2894

Delta R.T. 0.000 min

Lab File: VV039219.D

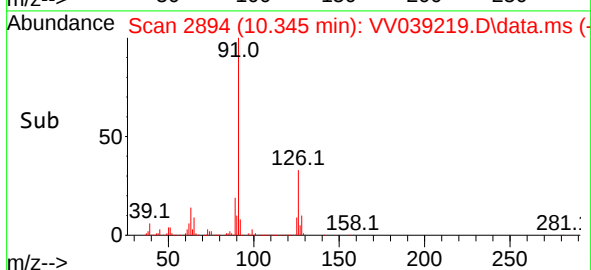
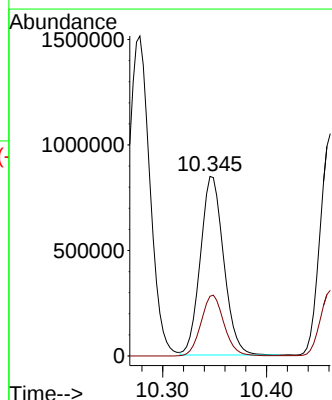
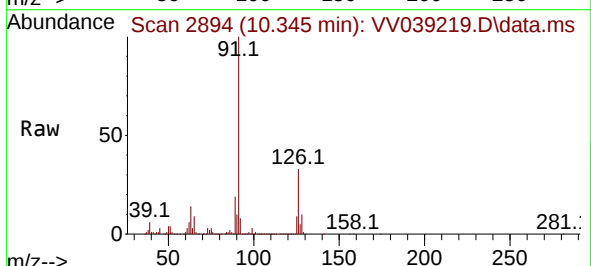
Acq: 26 Sep 2025 17:35

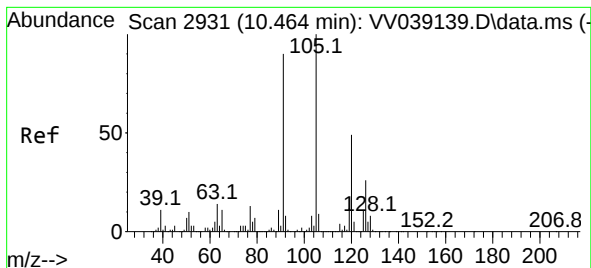
Tgt Ion: 91 Resp: 1318891

Ion Ratio Lower Upper

91 100

126 33.6 16.7 50.0





#80

1,3,5-Trimethylbenzene

Concen: 52.001 ug/l

RT: 10.464 min Scan# 2931

Delta R.T. 0.000 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

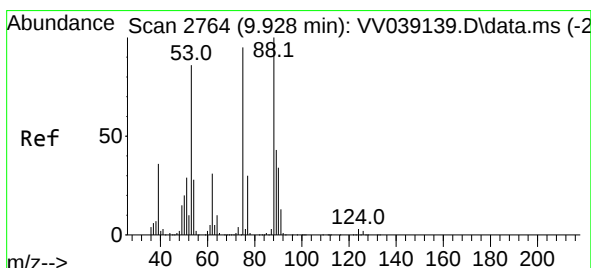
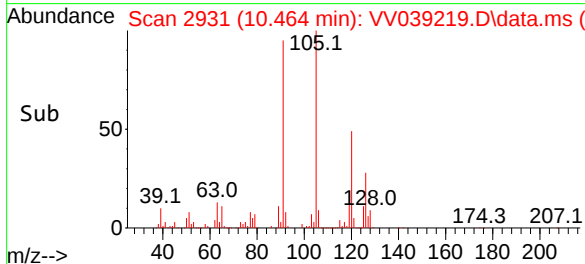
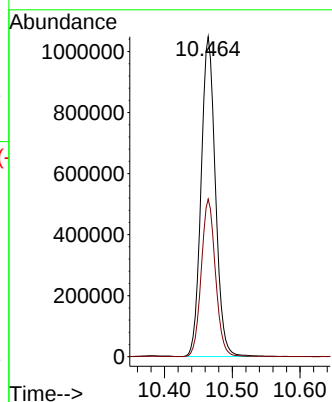
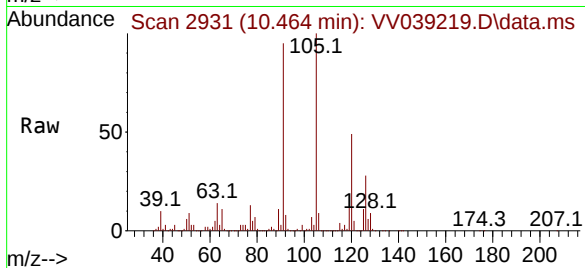
VSTDCCC050EC

Tgt Ion:105 Resp: 1540394

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 48.300 ug/l

RT: 9.928 min Scan# 2764

Delta R.T. 0.000 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

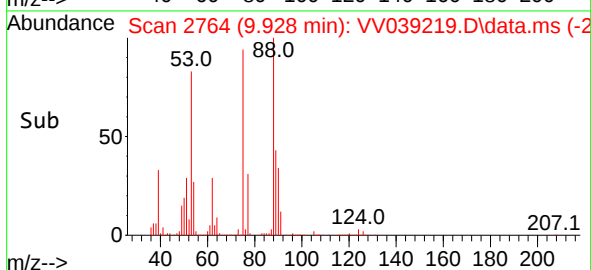
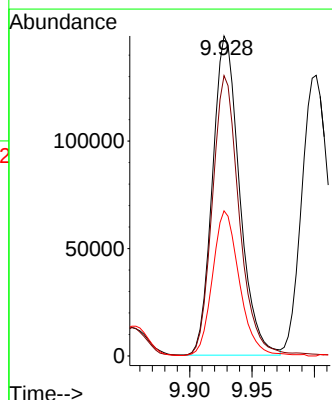
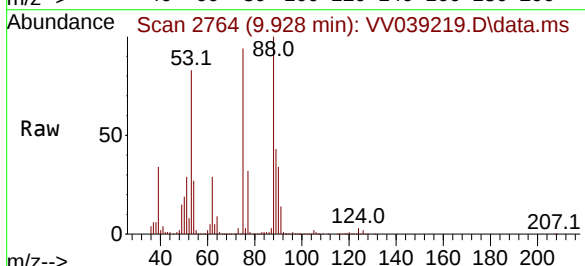
Tgt Ion: 75 Resp: 225086

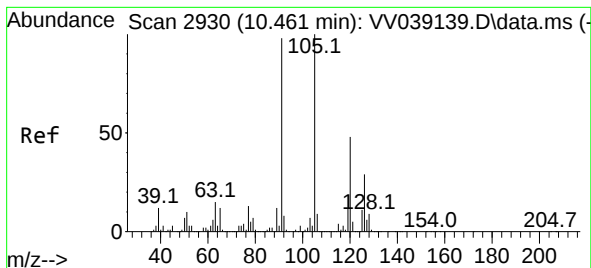
Ion Ratio Lower Upper

75 100

53 86.6 72.5 108.7

89 45.4 37.2 55.8

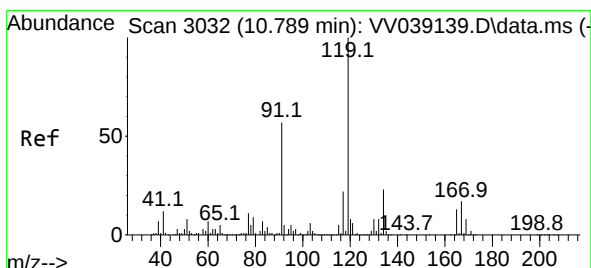
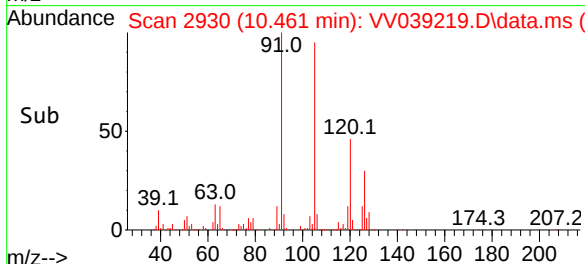
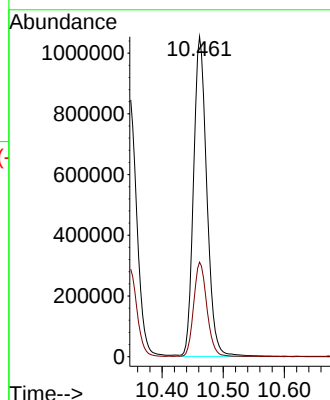
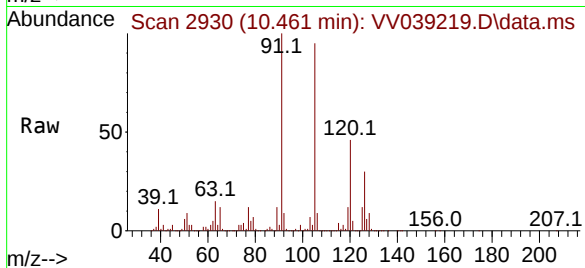




#82  
4-Chlorotoluene  
Concen: 52.616 ug/l  
RT: 10.461 min Scan# 2930  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

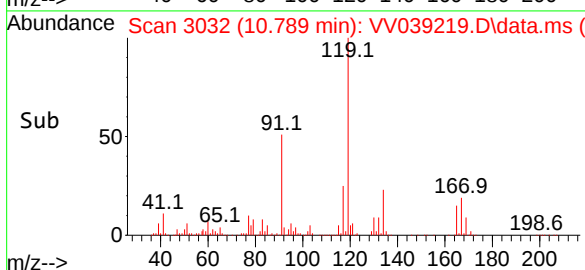
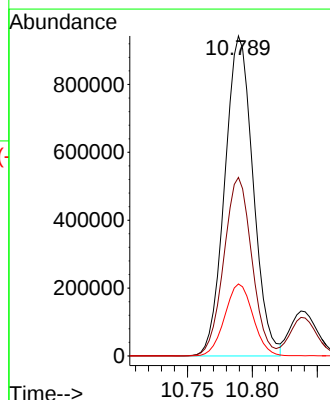
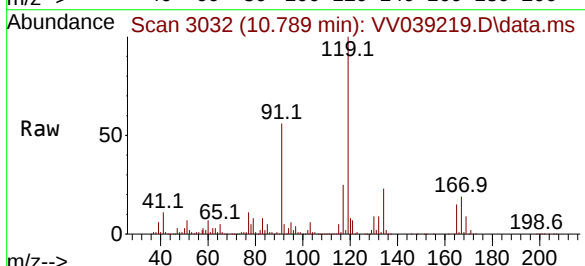
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

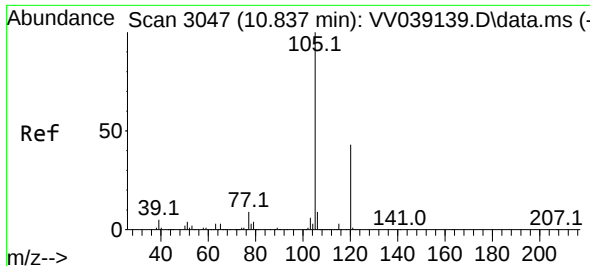
Tgt Ion: 91 Resp: 1584402  
Ion Ratio Lower Upper  
91 100  
126 29.6 14.5 43.6



#83  
tert-Butylbenzene  
Concen: 48.380 ug/l  
RT: 10.789 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion: 119 Resp: 1429044  
Ion Ratio Lower Upper  
119 100  
91 55.1 28.5 85.6  
134 22.6 11.5 34.4

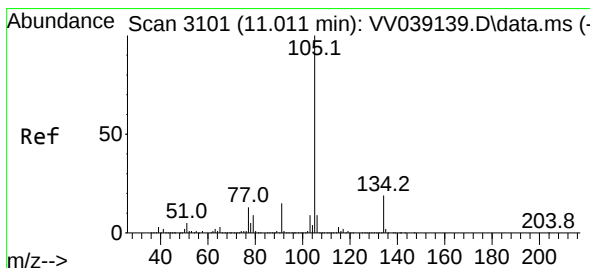
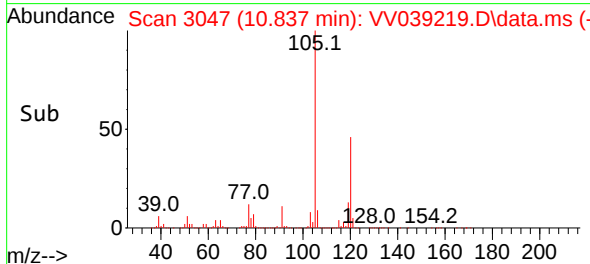
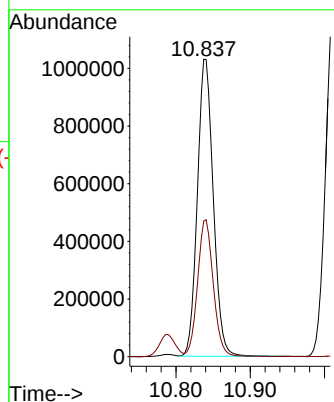
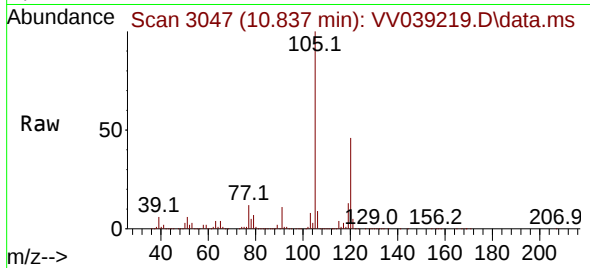




#84  
1,2,4-Trimethylbenzene  
Concen: 53.458 ug/l  
RT: 10.837 min Scan# 3047  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

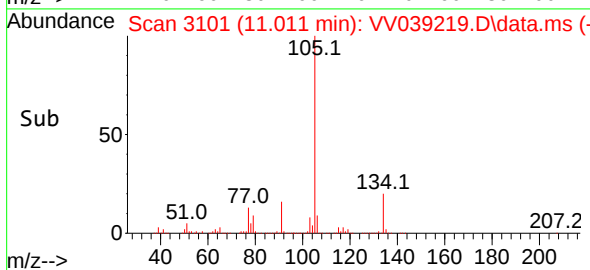
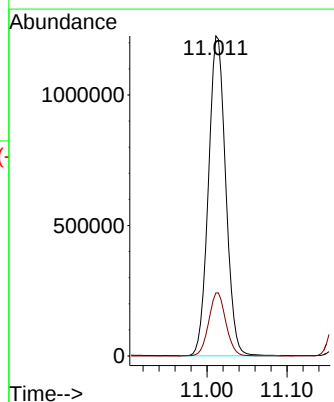
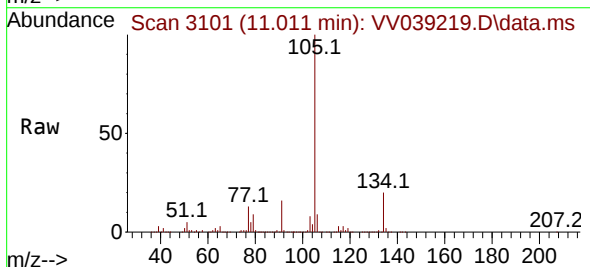
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

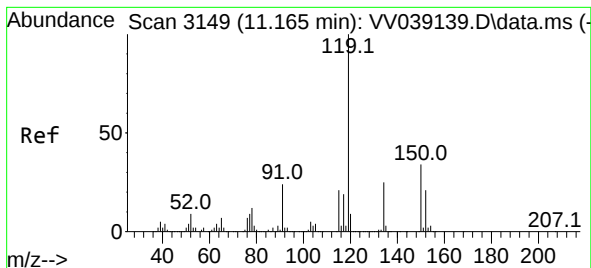
Tgt Ion:105 Resp: 1537396  
Ion Ratio Lower Upper  
105 100  
120 45.5 22.4 67.2



#85  
sec-Butylbenzene  
Concen: 46.879 ug/l  
RT: 11.011 min Scan# 3101  
Delta R.T. 0.000 min  
Lab File: VV039219.D  
Acq: 26 Sep 2025 17:35

Tgt Ion:105 Resp: 1836646  
Ion Ratio Lower Upper  
105 100  
134 19.7 9.6 28.8





#86

p-Isopropyltoluene

Concen: 48.062 ug/l

RT: 11.165 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

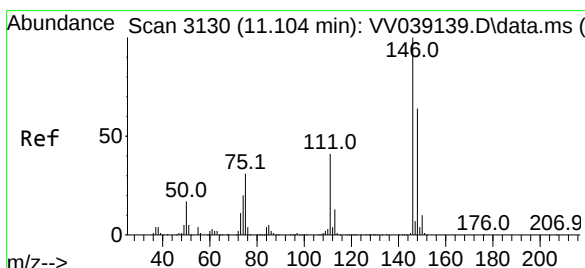
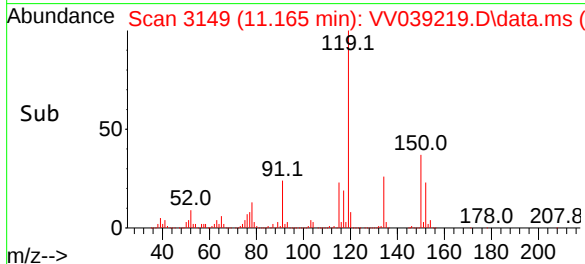
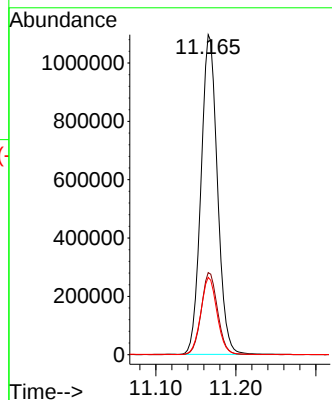
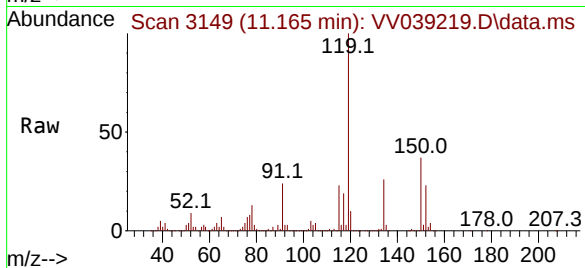
Tgt Ion:119 Resp: 1567234

Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.0

91 23.9 12.0 36.1



#87

1,3-Dichlorobenzene

Concen: 47.631 ug/l

RT: 11.104 min Scan# 3130

Delta R.T. 0.000 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

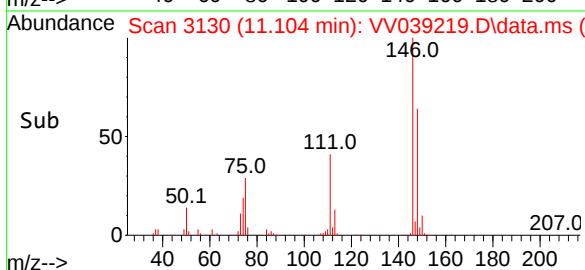
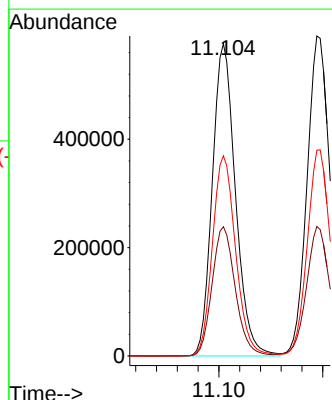
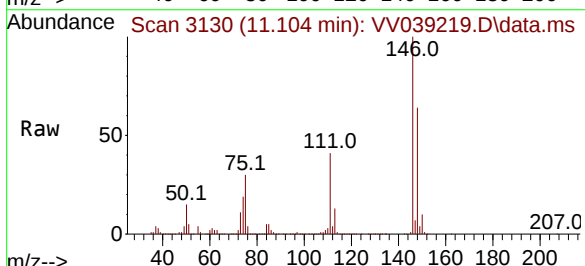
Tgt Ion:146 Resp: 891327

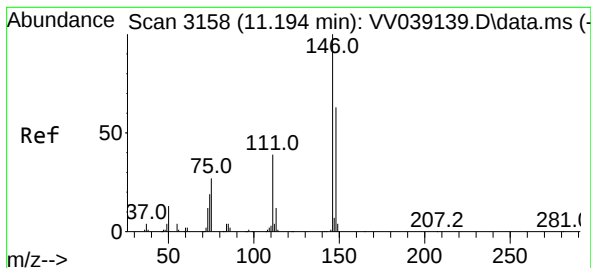
Ion Ratio Lower Upper

146 100

111 41.5 20.9 62.8

148 64.3 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 45.513 ug/l

RT: 11.194 min Scan# 3158

Delta R.T. 0.000 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

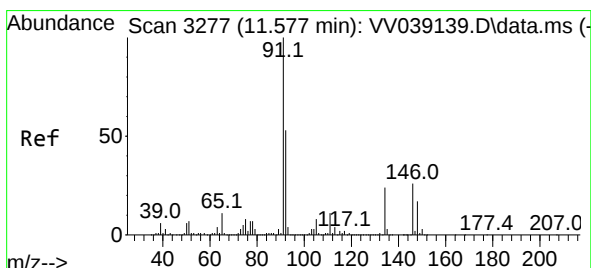
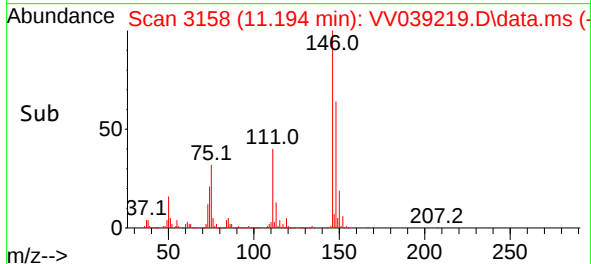
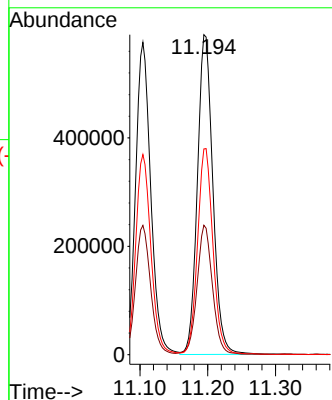
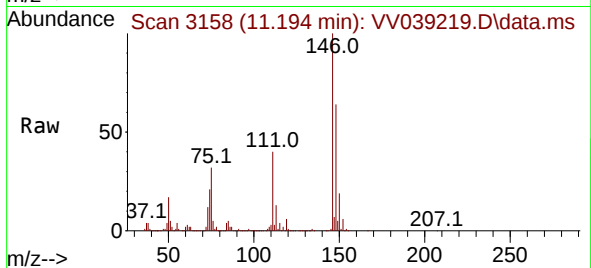
Tgt Ion:146 Resp: 934407

Ion Ratio Lower Upper

146 100

111 40.1 20.3 60.8

148 63.7 31.4 94.2



#89

n-Butylbenzene

Concen: 47.418 ug/l

RT: 11.580 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

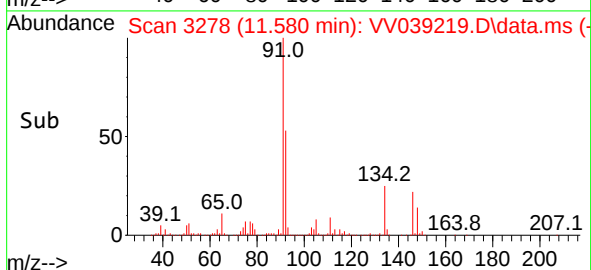
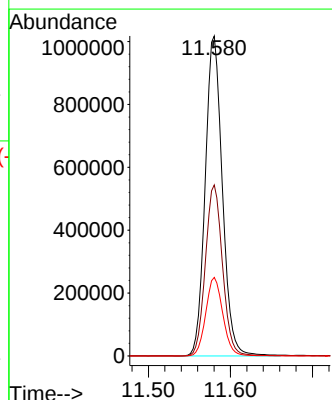
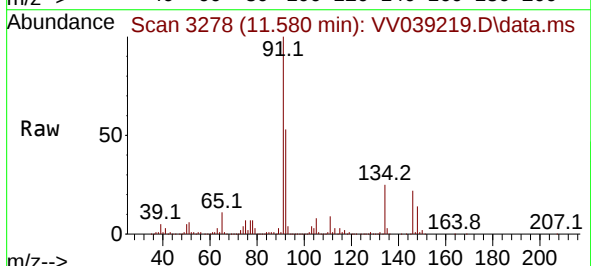
Tgt Ion: 91 Resp: 1476722

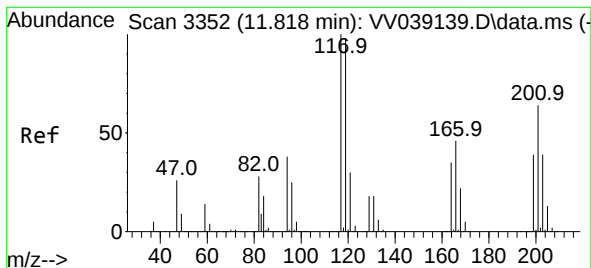
Ion Ratio Lower Upper

91 100

92 53.4 26.6 79.8

134 24.4 12.1 36.3





#90

Hexachloroethane

Concen: 39.798 ug/l

RT: 11.821 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

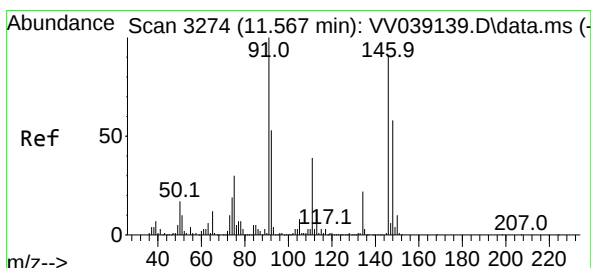
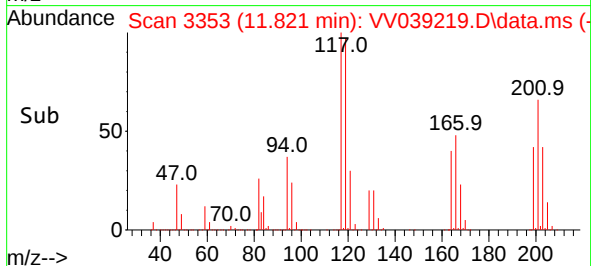
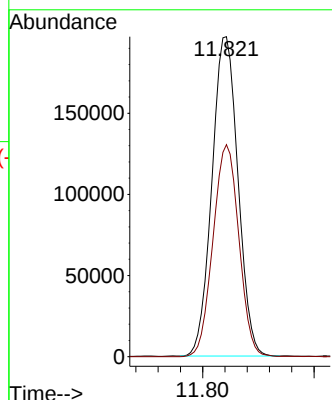
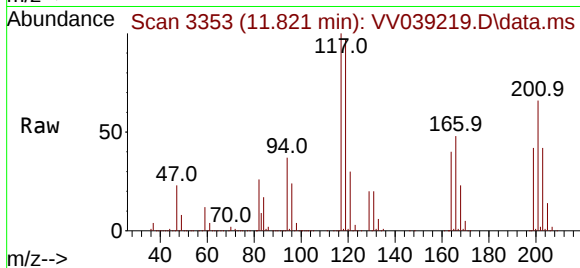
VSTDCCC050EC

Tgt Ion:117 Resp: 319577

Ion Ratio Lower Upper

117 100

201 65.9 32.3 96.8



#91

1,2-Dichlorobenzene

Concen: 47.559 ug/l

RT: 11.567 min Scan# 3274

Delta R.T. 0.000 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

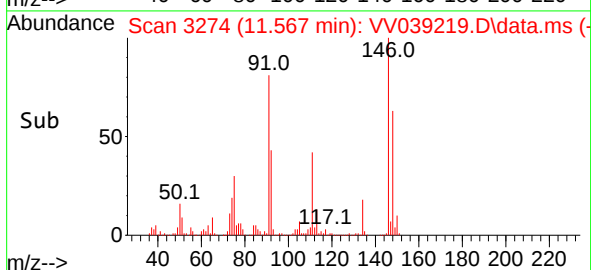
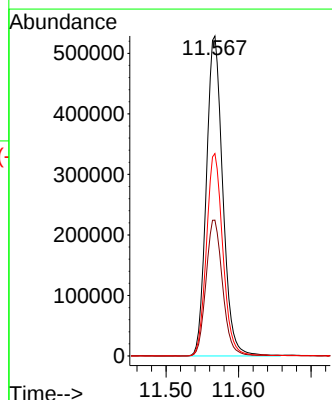
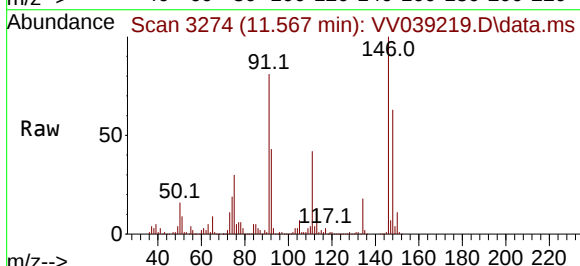
Tgt Ion:146 Resp: 831500

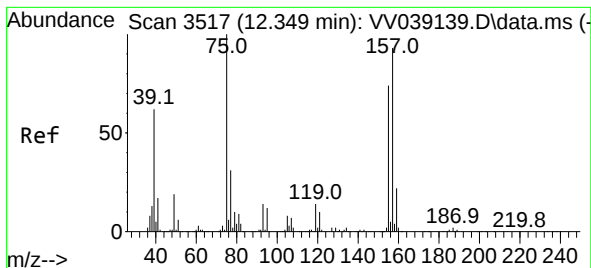
Ion Ratio Lower Upper

146 100

111 43.0 21.5 64.5

148 63.5 31.9 95.7

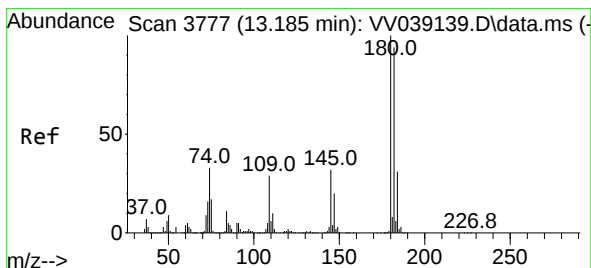
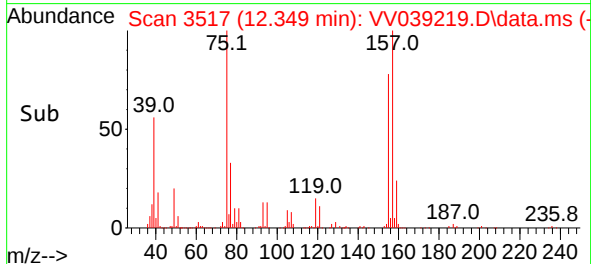
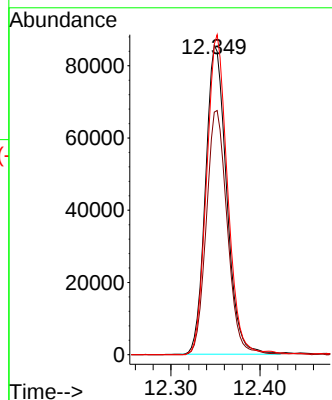
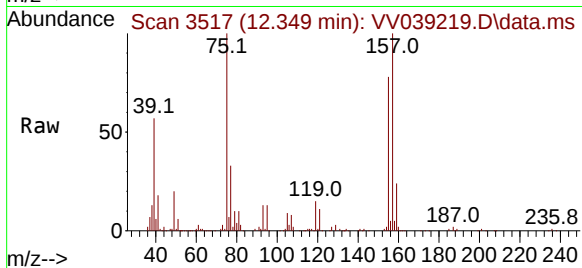




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.047 ug/l  
 RT: 12.349 min Scan# 3517  
 Delta R.T. -0.000 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

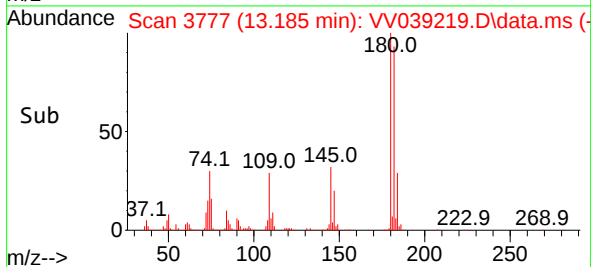
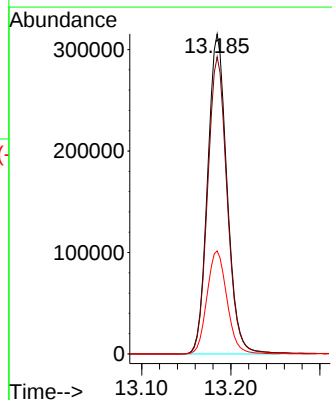
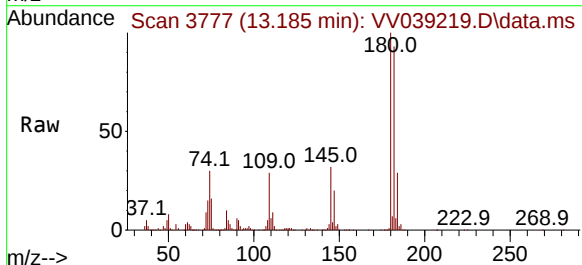
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

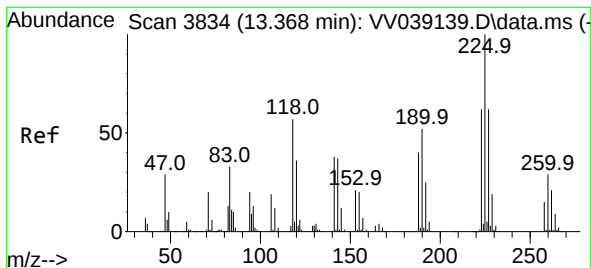
Tgt Ion: 75 Resp: 140601  
 Ion Ratio Lower Upper  
 75 100  
 155 78.5 38.6 115.8  
 157 103.1 49.5 148.3



#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.551 ug/l  
 RT: 13.185 min Scan# 3777  
 Delta R.T. -0.000 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

Tgt Ion:180 Resp: 476557  
 Ion Ratio Lower Upper  
 180 100  
 182 93.8 47.1 141.4  
 145 33.1 16.3 48.8





#94

Hexachlorobutadiene

Concen: 36.142 ug/l

RT: 13.368 min Scan# 3834

Delta R.T. -0.000 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

Instrument :

MSVOA\_V

ClientSampleId :

VSTDCCC050EC

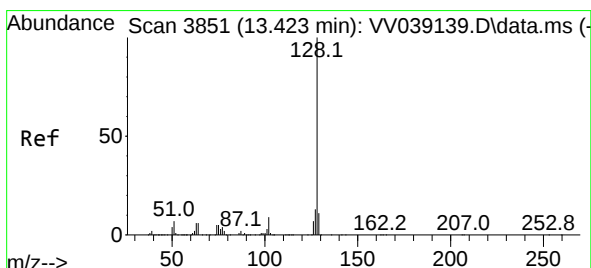
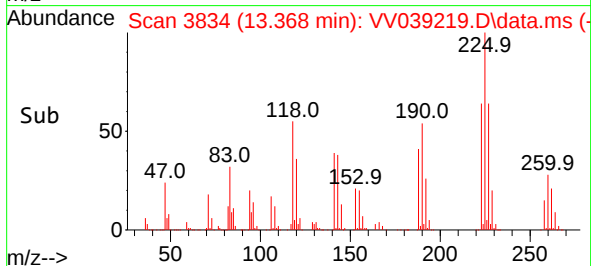
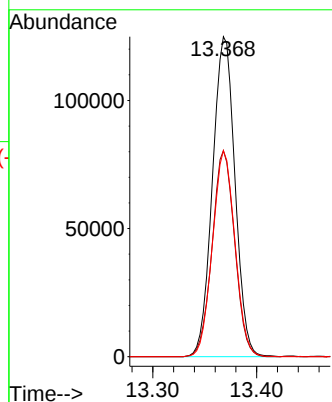
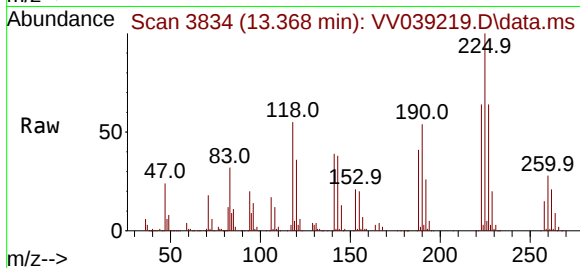
Tgt Ion:225 Resp: 188211

Ion Ratio Lower Upper

225 100

223 64.2 31.6 94.7

227 64.2 31.8 95.4



#95

Naphthalene

Concen: 54.728 ug/l

RT: 13.423 min Scan# 3851

Delta R.T. -0.000 min

Lab File: VV039219.D

Acq: 26 Sep 2025 17:35

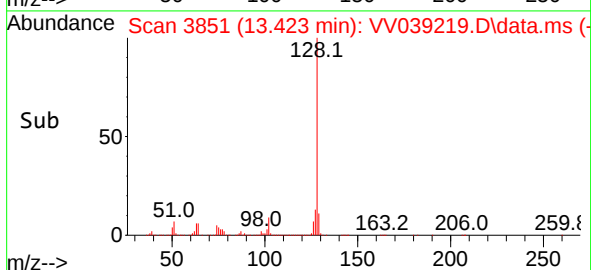
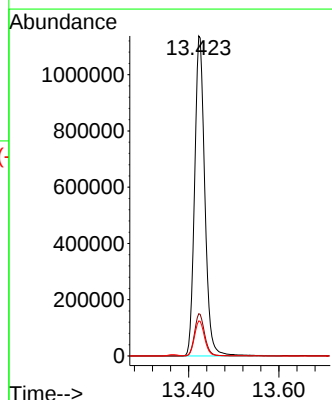
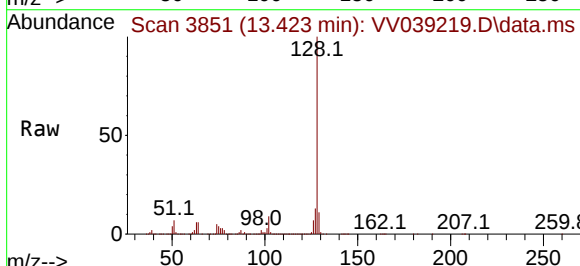
Tgt Ion:128 Resp: 1772806

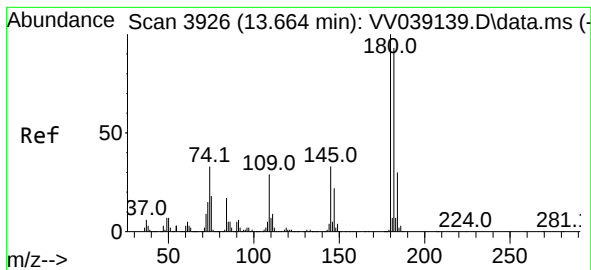
Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.8 8.6 13.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 47.485 ug/l  
 RT: 13.667 min Scan# 3927  
 Delta R.T. 0.003 min  
 Lab File: VV039219.D  
 Acq: 26 Sep 2025 17:35

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:180 Resp: 486738  
 Ion Ratio Lower Upper  
 180 100  
 182 96.8 46.9 140.8  
 145 35.1 17.0 51.0

