

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012425\  
 Data File : VY020929.D  
 Acq On : 24 Jan 2025 14:50  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Quant Time: Jan 25 00:48:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012425S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 25 00:43:14 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.719  | 168  | 277863   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.622  | 114  | 404615   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.426 | 117  | 343708   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.359 | 152  | 159694   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.073  | 65    | 321950   | 145.323  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 290.640%# |      |
| 35) Dibromofluoromethane    | 7.646  | 113   | 344873   | 148.471  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 296.940%# |      |
| 50) Toluene-d8              | 10.115 | 98    | 1346111  | 149.405  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 298.800%# |      |
| 62) 4-Bromofluorobenzene    | 12.414 | 95    | 441957   | 147.391  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 294.780%# |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.873 | 85  | 310796  | 147.884 | ug/l   | 99  |
| 3) Chloromethane             | 2.074 | 50  | 230764  | 147.631 | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.214 | 62  | 258098  | 151.500 | ug/l   | 98  |
| 5) Bromomethane              | 2.605 | 94  | 159242  | 138.007 | ug/l   | 98  |
| 6) Chloroethane              | 2.745 | 64  | 150359  | 150.437 | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.074 | 101 | 557315  | 153.971 | ug/l   | 96  |
| 8) Diethyl Ether             | 3.464 | 74  | 174523  | 156.880 | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 365115  | 152.875 | ug/l   | 99  |
| 10) Methyl Iodide            | 4.019 | 142 | 459572  | 161.464 | ug/l   | 99  |
| 11) Tert butyl alcohol       | 4.885 | 59  | 98630   | 576.707 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 3.806 | 96  | 351022  | 155.630 | ug/l   | 98  |
| 13) Acrolein                 | 3.665 | 56  | 177155  | 764.099 | ug/l   | 97  |
| 14) Allyl chloride           | 4.397 | 41  | 495487  | 157.395 | ug/l   | 99  |
| 15) Acrylonitrile            | 5.074 | 53  | 332632  | 760.663 | ug/l   | 99  |
| 16) Acetone                  | 3.885 | 43  | 218230  | 727.039 | ug/l   | 93  |
| 17) Carbon Disulfide         | 4.123 | 76  | 1081484 | 155.262 | ug/l   | 100 |
| 18) Methyl Acetate           | 4.397 | 43  | 161739  | 149.161 | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 5.135 | 73  | 817565  | 156.498 | ug/l   | 99  |
| 20) Methylene Chloride       | 4.635 | 84  | 335626  | 150.345 | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 5.135 | 96  | 373801  | 153.713 | ug/l   | 98  |
| 22) Diisopropyl ether        | 6.037 | 45  | 969992  | 153.185 | ug/l   | 97  |
| 23) Vinyl Acetate            | 5.976 | 43  | 2722107 | 776.741 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 5.933 | 63  | 620975  | 154.703 | ug/l   | 100 |
| 25) 2-Butanone               | 6.909 | 43  | 380944  | 749.216 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 6.903 | 77  | 591403  | 149.583 | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 6.903 | 96  | 424941  | 154.834 | ug/l   | 99  |
| 28) Bromochloromethane       | 7.256 | 49  | 247375  | 153.128 | ug/l   | 100 |
| 29) Tetrahydrofuran          | 7.274 | 42  | 258283  | 762.199 | ug/l   | 98  |
| 30) Chloroform               | 7.433 | 83  | 658549  | 155.015 | ug/l   | 100 |
| 31) Cyclohexane              | 7.713 | 56  | 567808  | 143.926 | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 7.628 | 97  | 638490  | 154.945 | ug/l   | 100 |
| 36) 1,1-Dichloropropene      | 7.847 | 75  | 497951  | 153.542 | ug/l   | 100 |
| 37) Ethyl Acetate            | 6.994 | 43  | 185129  | 147.131 | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.829 | 117 | 607007  | 155.205 | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.116 | 83  | 694607  | 158.206 | ug/l   | 100 |
| 40) Benzene                  | 8.091 | 78  | 1462146 | 153.678 | ug/l   | 100 |

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 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Quant Time: Jan 25 00:48:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012425S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 25 00:43:14 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.232  | 41   | 113732   | 171.106  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.171  | 62   | 363795   | 153.667  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.207  | 43   | 384473   | 161.137  | ug/l   | 100      |
| 44) Trichloroethene           | 8.872  | 130  | 403442   | 156.082  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.152  | 63   | 328095   | 156.221  | ug/l   | 97       |
| 46) Dibromomethane            | 9.237  | 93   | 185339   | 155.229  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.433  | 83   | 499364   | 157.187  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.225  | 41   | 181962   | 161.667  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.237  | 88   | 37947    | 3086.764 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.006 | 43   | 938516   | 780.092  | ug/l   | 98       |
| 52) Toluene                   | 10.176 | 92   | 952872   | 155.721  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.402 | 75   | 469597   | 161.215  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.865  | 75   | 552753   | 158.921  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.579 | 97   | 248552   | 154.005  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.445 | 69   | 356853   | 168.715  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.725 | 76   | 422652   | 154.155  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.719  | 63   | 803761   | 837.262  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.768 | 43   | 624904   | 807.765  | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.920 | 129  | 359156   | 158.120  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.024 | 107  | 240533   | 155.820  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.658 | 164  | 369115   | 154.318  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.450 | 112  | 1043145  | 155.201  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131  | 367808   | 153.997  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.524 | 91   | 1832080  | 156.212  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.639 | 106  | 1400598  | 311.877  | ug/l   | 100      |
| 69) o-Xylene                  | 11.963 | 106  | 654879   | 156.114  | ug/l   | 99       |
| 70) Styrene                   | 11.975 | 104  | 1084023  | 157.680  | ug/l   | 99       |
| 71) Bromoform                 | 12.139 | 173  | 208492   | 154.159  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.261 | 105  | 1743202  | 158.495  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.078 | 43   | 332775   | 170.034  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.517 | 83   | 262465   | 153.376  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.566 | 75   | 345986   | 306.427  | ug/l # | 100      |
| 77) Bromobenzene              | 12.542 | 156  | 408593   | 158.485  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.603 | 91   | 2002187  | 156.282  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.688 | 91   | 1136871  | 156.460  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.743 | 105  | 1378679  | 156.003  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75   | 96991    | 165.961  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.786 | 91   | 1143182  | 154.069  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.005 | 119  | 1267671  | 155.515  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.054 | 105  | 1368819  | 157.334  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.188 | 105  | 1818367  | 156.460  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.298 | 119  | 1539802  | 156.824  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.298 | 146  | 758486   | 153.637  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.377 | 146  | 744117   | 153.438  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.627 | 91   | 1380734  | 159.423  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.889 | 117  | 313343   | 160.650  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.670 | 146  | 660246   | 154.362  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75   | 41420    | 161.122  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 14.932 | 180  | 449246   | 174.595  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.035 | 225  | 283490   | 161.033  | ug/l   | 99       |
| 95) Naphthalene               | 15.157 | 128  | 774405   | 187.684  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.340 | 180  | 381981   | 176.701  | ug/l   | 99       |

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Sample : VSTDICC150  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Quant Time: Jan 25 00:48:05 2025  
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Quant Title : SW846 8260  
QLast Update : Sat Jan 25 00:43:14 2025  
Response via : Initial Calibration

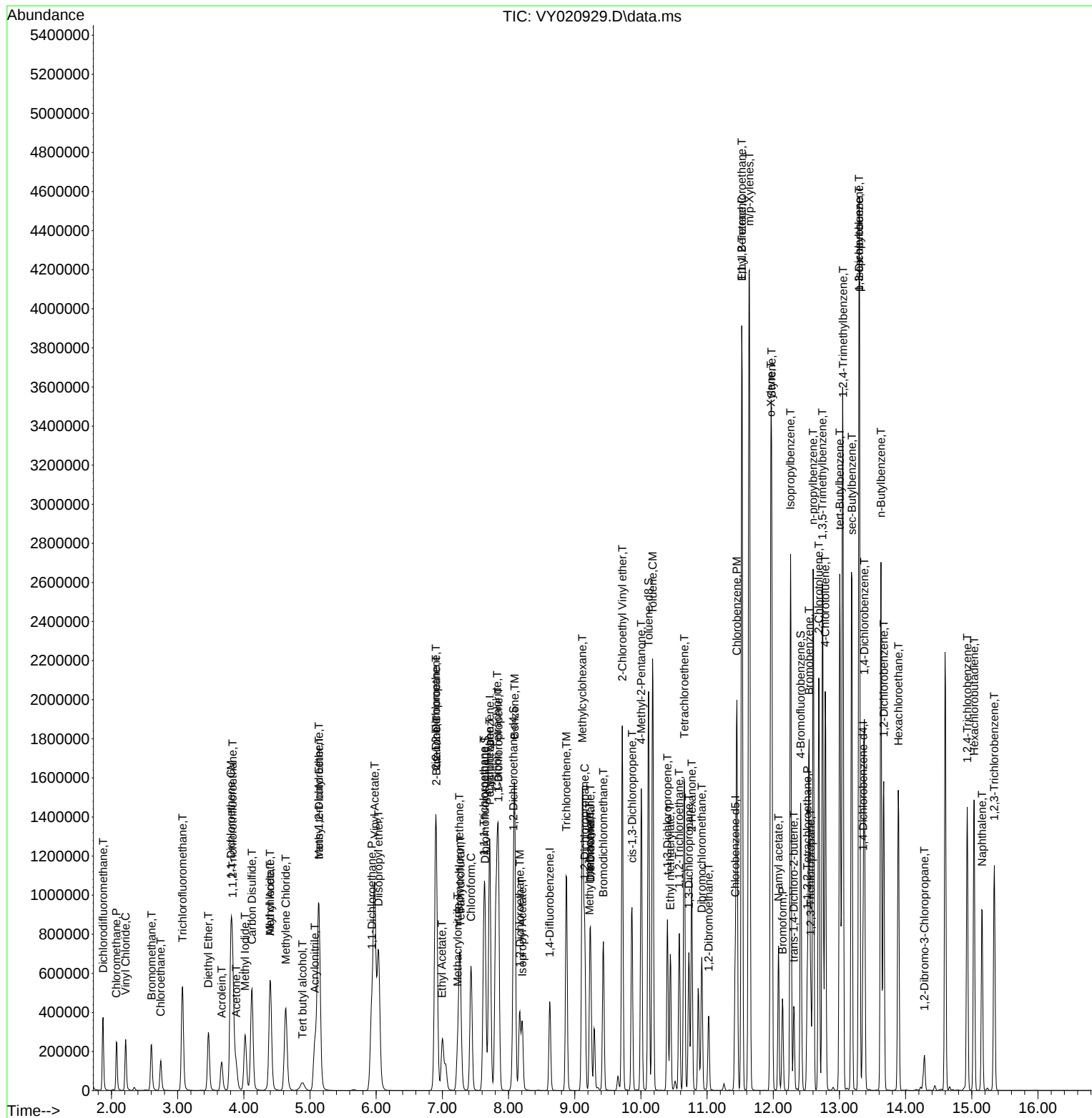
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

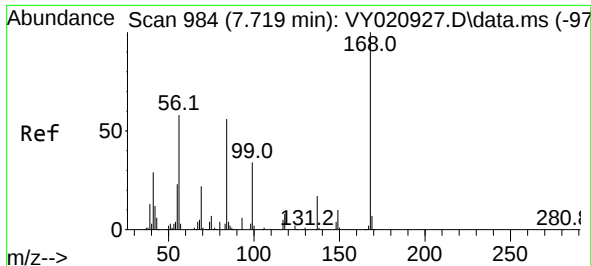
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 Sample : VSTDICC150  
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 ALS Vial : 7 Sample Multiplier: 1

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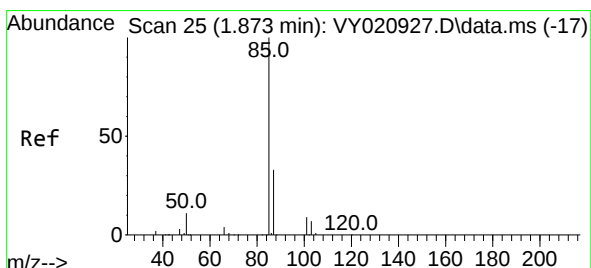
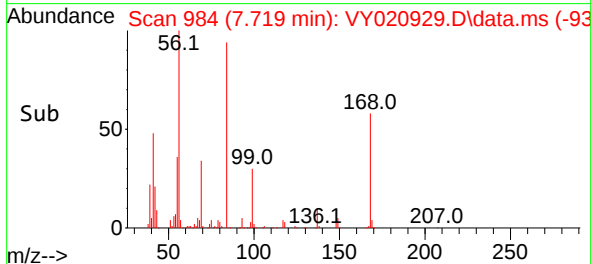
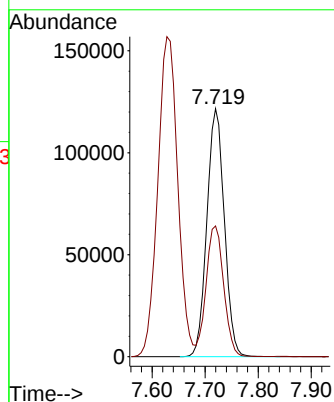
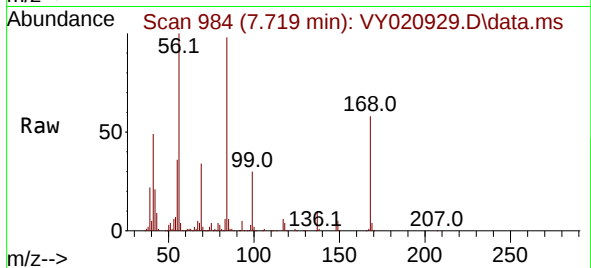




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.719 min Scan# 984  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

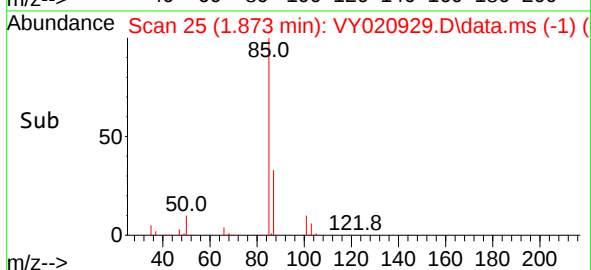
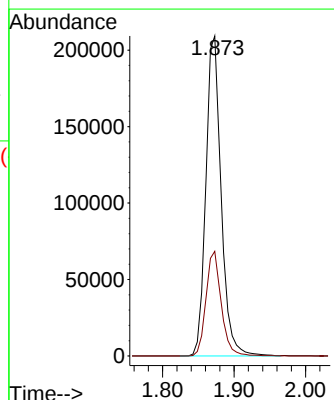
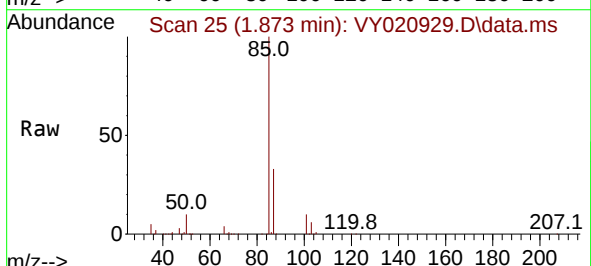
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

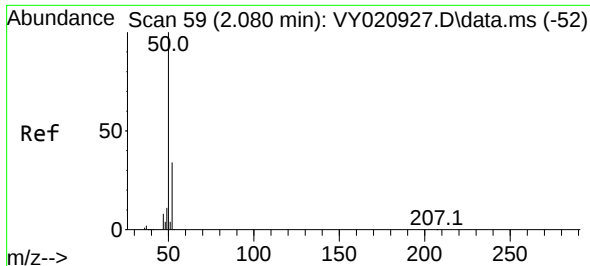
Tgt Ion:168 Resp: 277863  
Ion Ratio Lower Upper  
168 100  
99 52.6 43.0 64.6



#2  
Dichlorodifluoromethane  
Concen: 147.884 ug/l  
RT: 1.873 min Scan# 25  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 85 Resp: 310796  
Ion Ratio Lower Upper  
85 100  
87 32.7 16.6 49.8

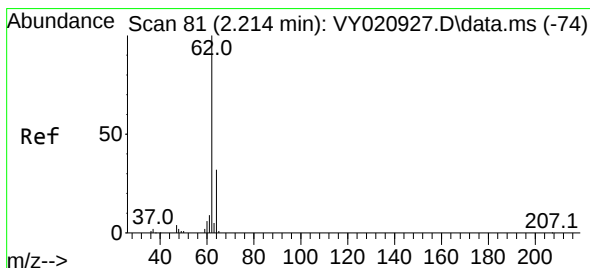
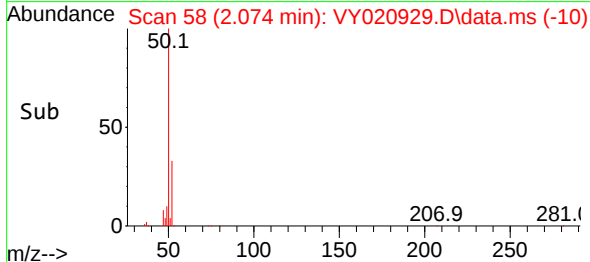
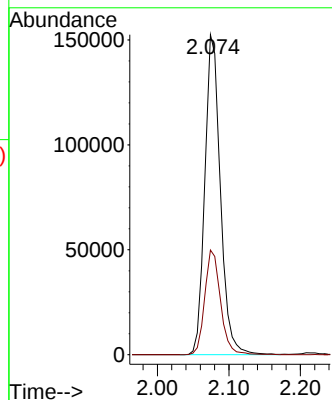
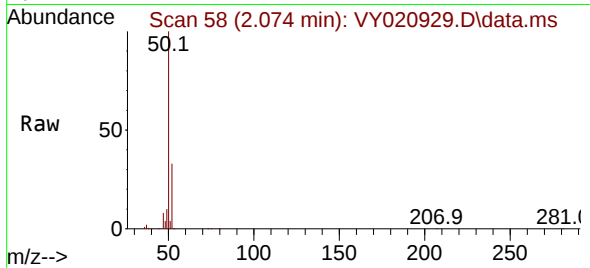




#3  
Chloromethane  
Concen: 147.631 ug/l  
RT: 2.074 min Scan# 58  
Delta R.T. -0.006 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

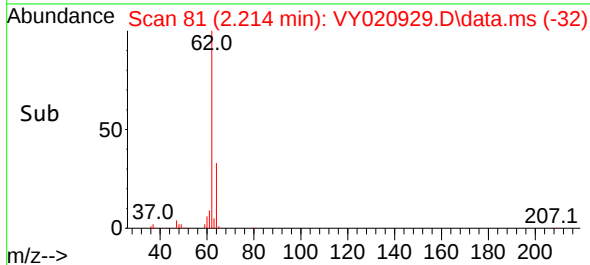
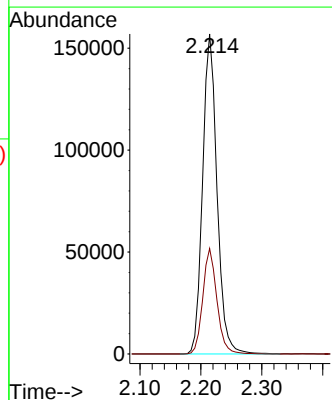
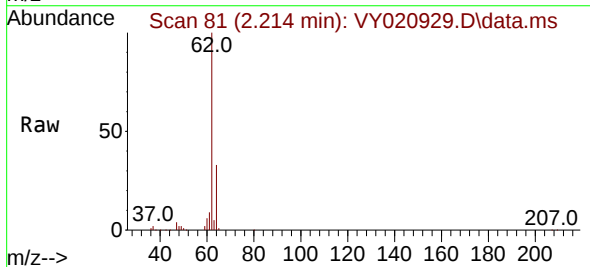
Instrument :  
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VSTDIC150

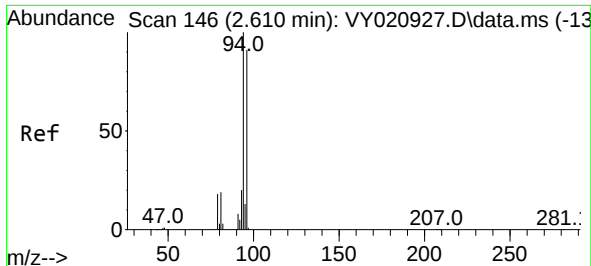
Tgt Ion: 50 Resp: 230764  
Ion Ratio Lower Upper  
50 100  
52 32.7 27.4 41.0



#4  
Vinyl Chloride  
Concen: 151.500 ug/l  
RT: 2.214 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 62 Resp: 258098  
Ion Ratio Lower Upper  
62 100  
64 33.0 25.7 38.5

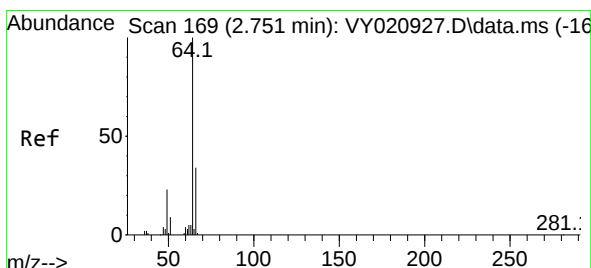
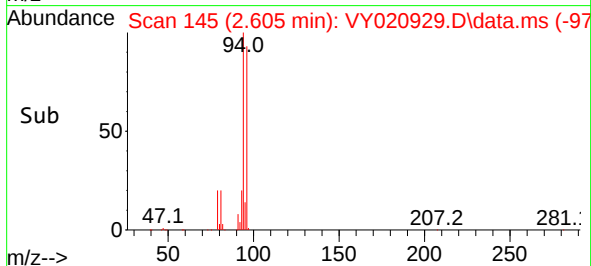
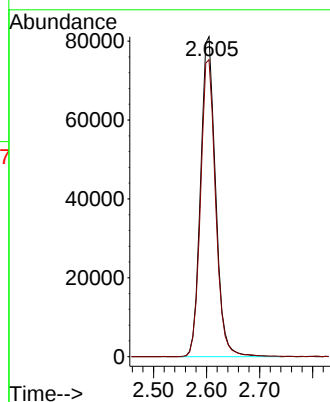
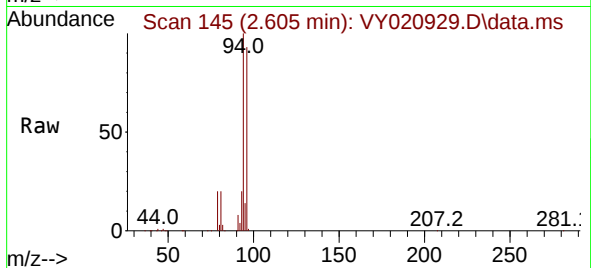




#5  
Bromomethane  
Concen: 138.007 ug/l  
RT: 2.605 min Scan# 146  
Delta R.T. -0.006 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

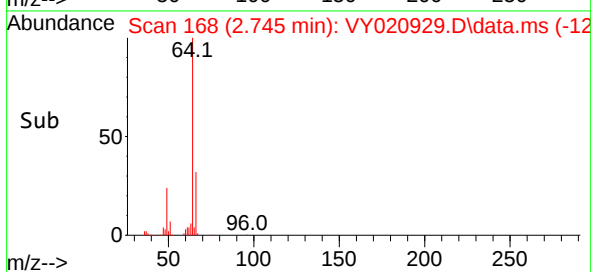
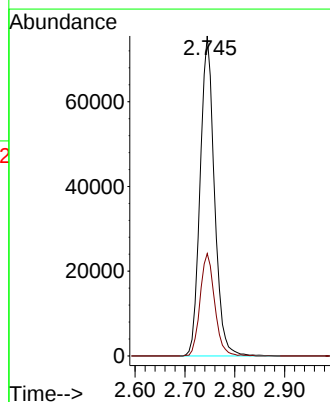
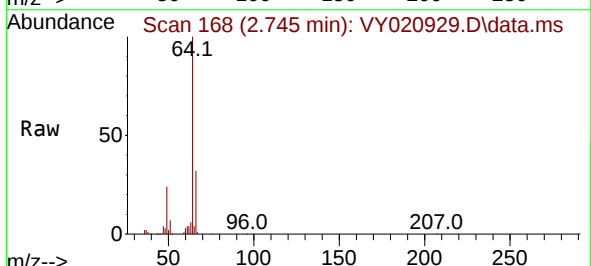
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

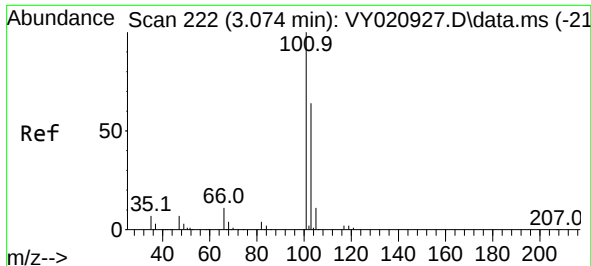
Tgt Ion: 94 Resp: 159242  
Ion Ratio Lower Upper  
94 100  
96 92.7 72.6 109.0



#6  
Chloroethane  
Concen: 150.437 ug/l  
RT: 2.745 min Scan# 168  
Delta R.T. -0.006 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 64 Resp: 150359  
Ion Ratio Lower Upper  
64 100  
66 32.0 26.9 40.3

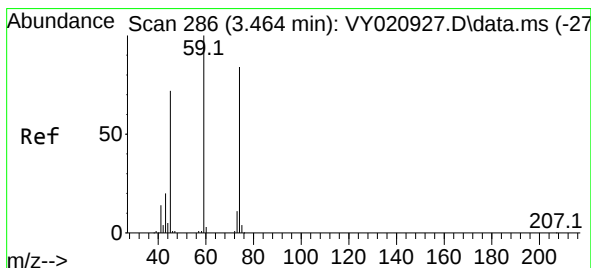
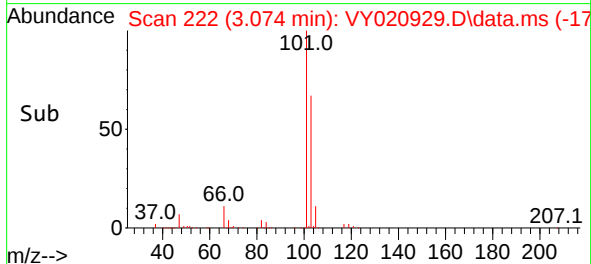
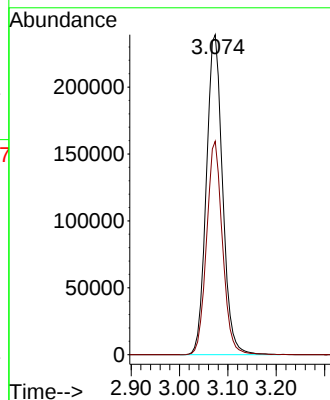
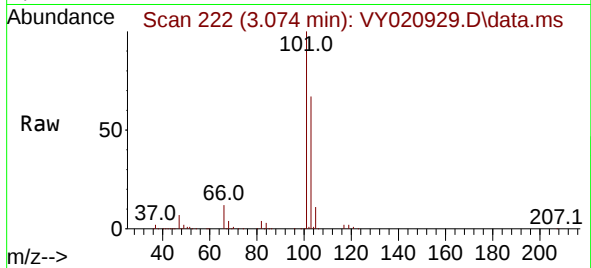




#7  
 Trichlorofluoromethane  
 Concen: 153.971 ug/l  
 RT: 3.074 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VY020929.D  
 Acq: 24 Jan 2025 14:50

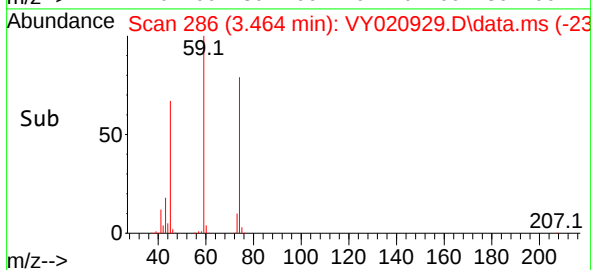
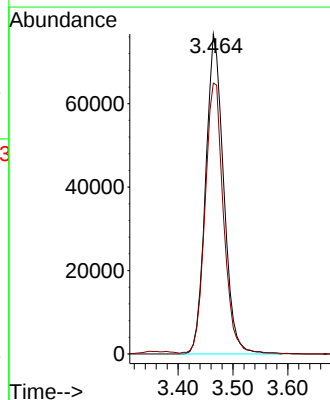
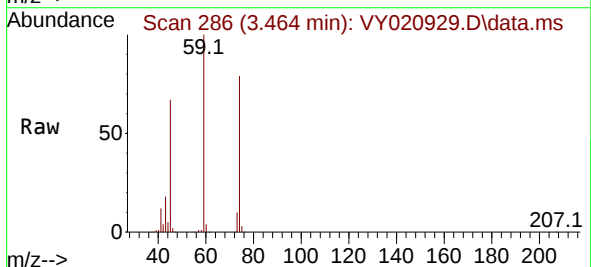
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

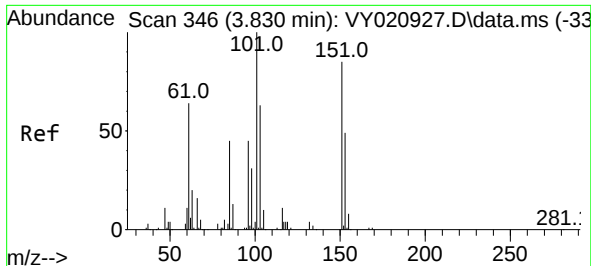
Tgt Ion:101 Resp: 557315  
 Ion Ratio Lower Upper  
 101 100  
 103 66.7 51.0 76.4



#8  
 Diethyl Ether  
 Concen: 156.880 ug/l  
 RT: 3.464 min Scan# 286  
 Delta R.T. 0.000 min  
 Lab File: VY020929.D  
 Acq: 24 Jan 2025 14:50

Tgt Ion: 74 Resp: 174523  
 Ion Ratio Lower Upper  
 74 100  
 45 86.9 45.1 135.2

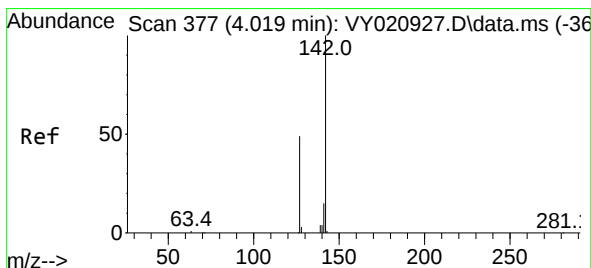
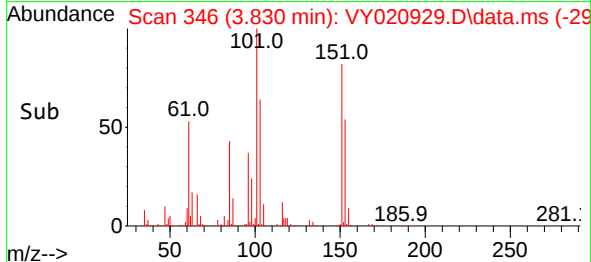
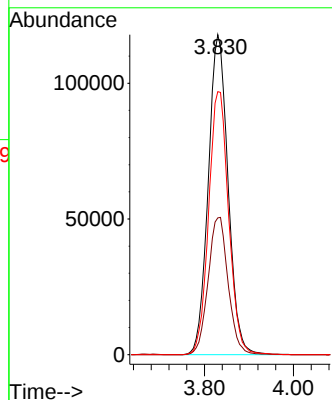
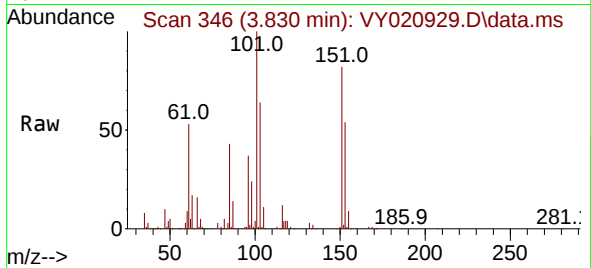




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 152.875 ug/l  
RT: 3.830 min Scan# 346  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

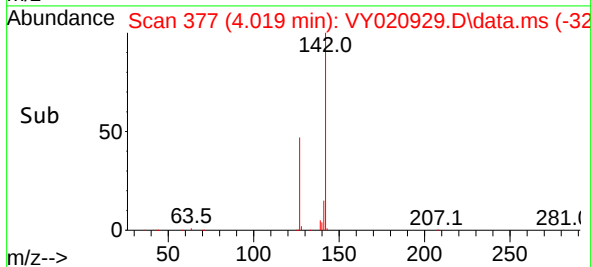
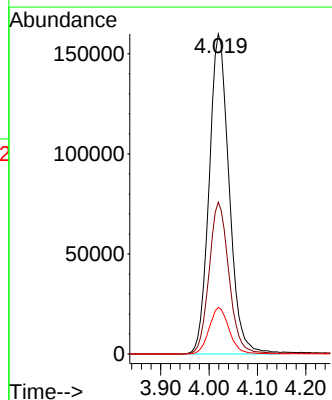
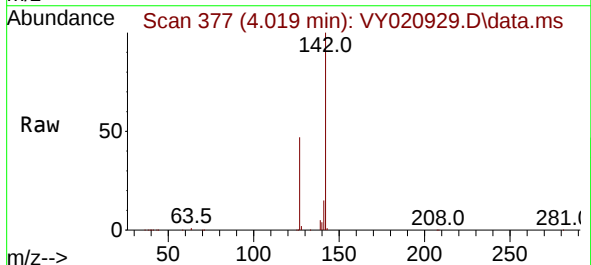
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

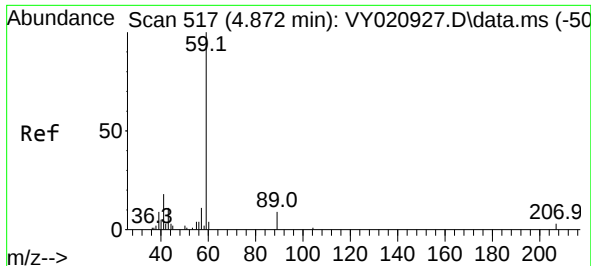
Tgt Ion:101 Resp: 365115  
Ion Ratio Lower Upper  
101 100  
85 43.5 35.4 53.2  
151 83.1 66.3 99.5



#10  
Methyl Iodide  
Concen: 161.464 ug/l  
RT: 4.019 min Scan# 377  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion:142 Resp: 459572  
Ion Ratio Lower Upper  
142 100  
127 47.1 37.3 55.9  
141 14.5 11.4 17.2

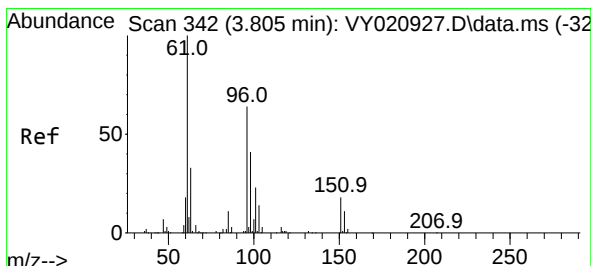
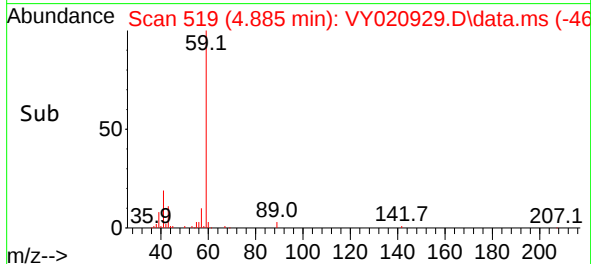
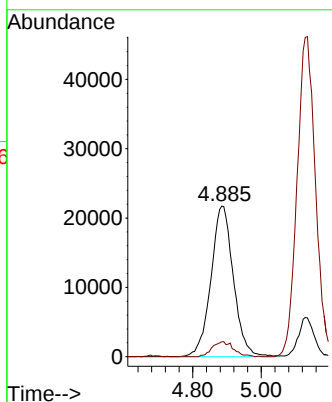
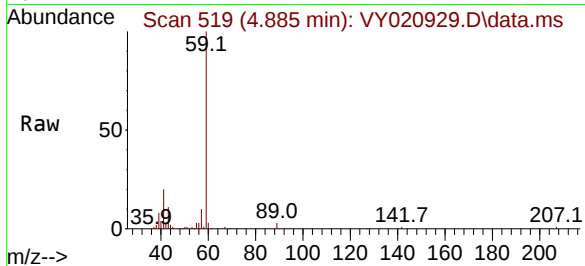




#11  
Tert butyl alcohol  
Concen: 576.707 ug/l  
RT: 4.885 min Scan# 517  
Delta R.T. 0.013 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

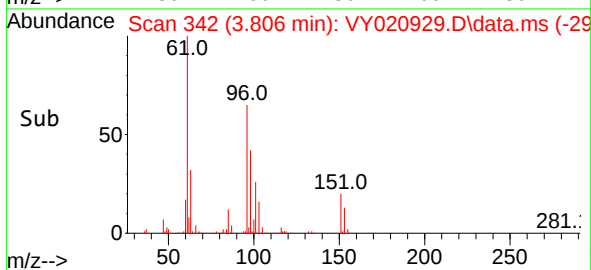
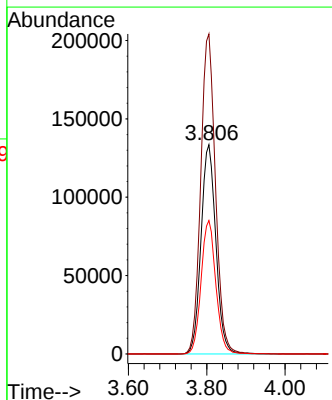
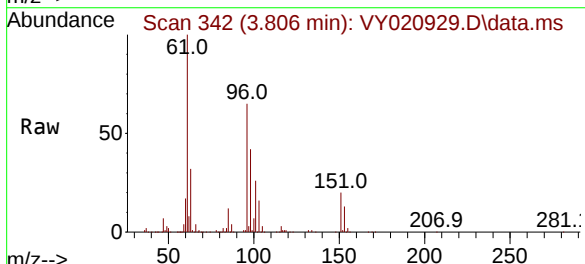
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

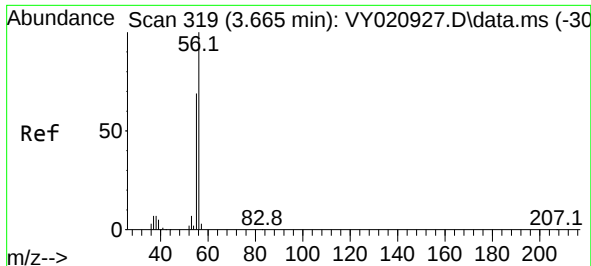
Tgt Ion: 59 Resp: 98630  
Ion Ratio Lower Upper  
59 100  
57 9.4 7.7 11.5



#12  
1,1-Dichloroethene  
Concen: 155.630 ug/l  
RT: 3.806 min Scan# 342  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 96 Resp: 351022  
Ion Ratio Lower Upper  
96 100  
61 152.9 124.5 186.7  
98 63.8 50.5 75.7

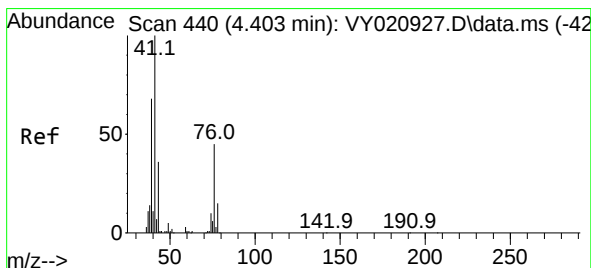
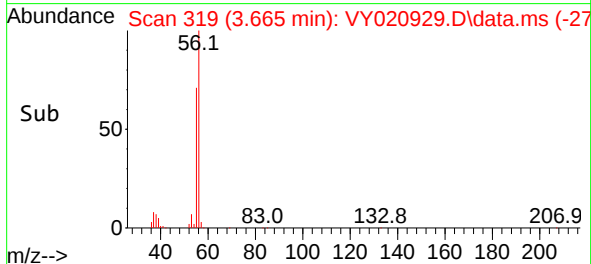
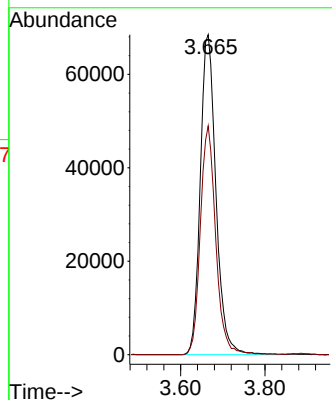
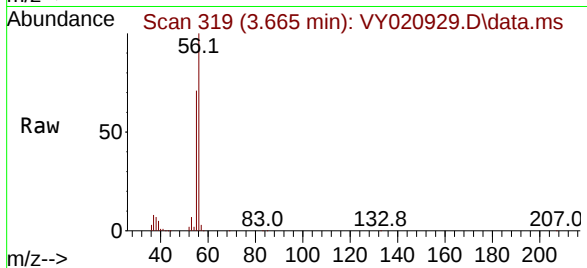




#13  
Acrolein  
Concen: 764.099 ug/l  
RT: 3.665 min Scan# 319  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

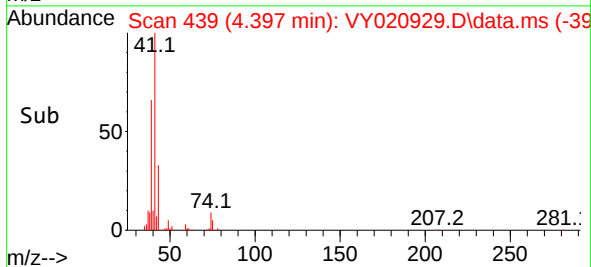
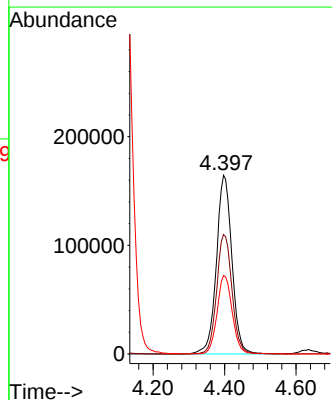
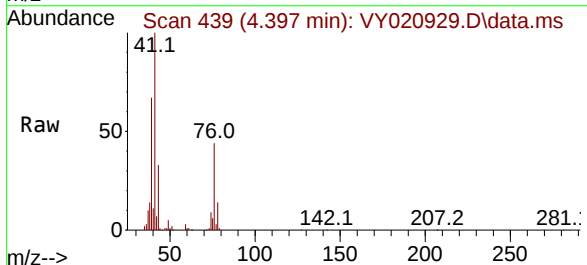
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

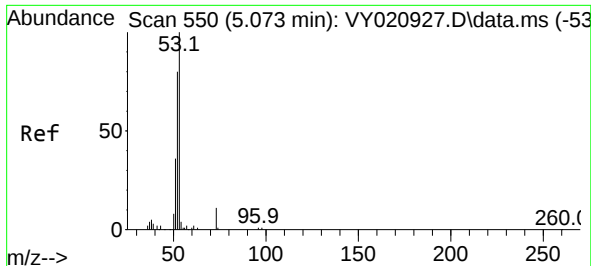
Tgt Ion: 56 Resp: 177155  
Ion Ratio Lower Upper  
56 100  
55 70.3 54.6 81.8



#14  
Allyl chloride  
Concen: 157.395 ug/l  
RT: 4.397 min Scan# 439  
Delta R.T. -0.006 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 41 Resp: 495487  
Ion Ratio Lower Upper  
41 100  
39 66.1 53.8 80.6  
76 42.4 34.2 51.4





#15

Acrylonitrile

Concen: 760.663 ug/l

RT: 5.074 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

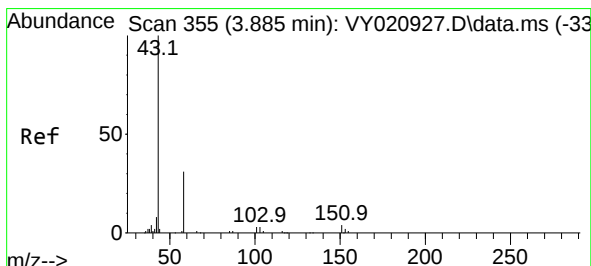
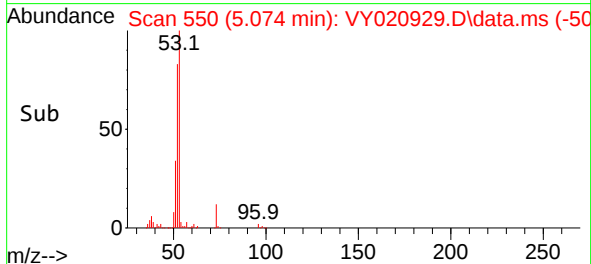
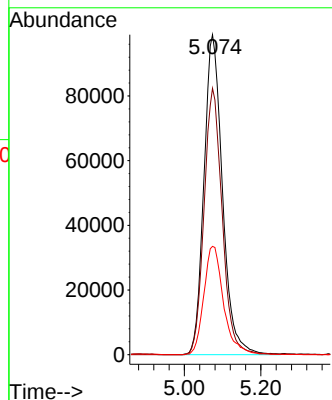
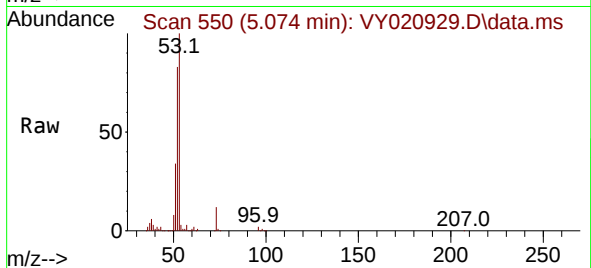
Tgt Ion: 53 Resp: 332632

Ion Ratio Lower Upper

53 100

52 81.5 64.5 96.7

51 36.1 28.9 43.3



#16

Acetone

Concen: 727.039 ug/l

RT: 3.885 min Scan# 355

Delta R.T. 0.000 min

Lab File: VY020929.D

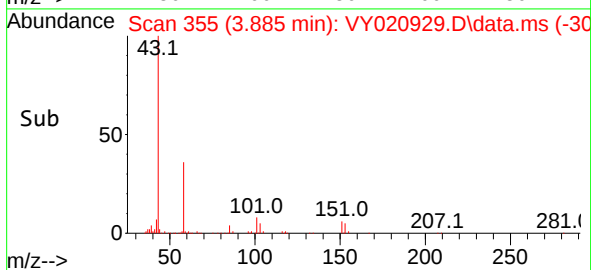
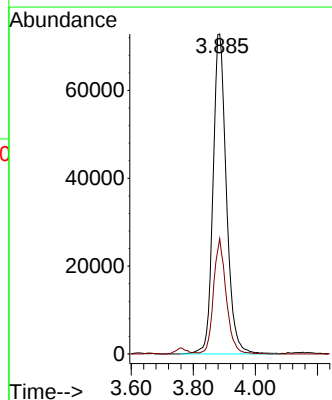
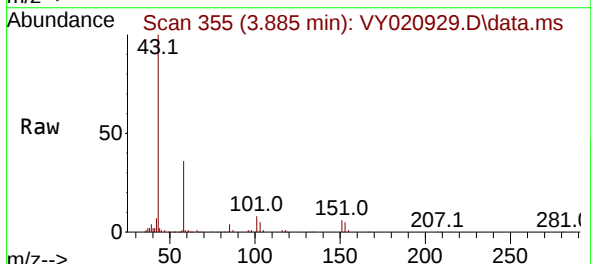
Acq: 24 Jan 2025 14:50

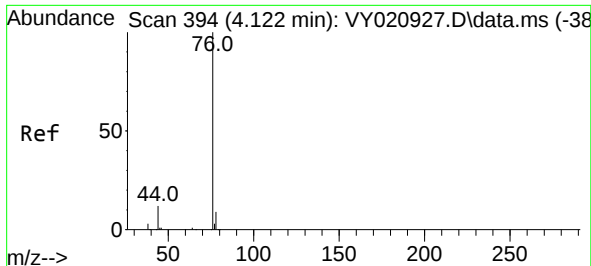
Tgt Ion: 43 Resp: 218230

Ion Ratio Lower Upper

43 100

58 36.0 25.6 38.4

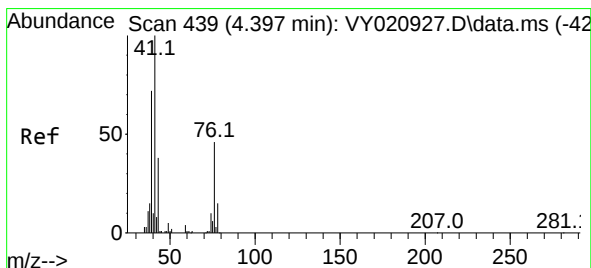
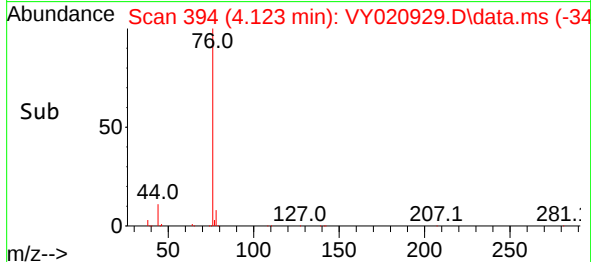
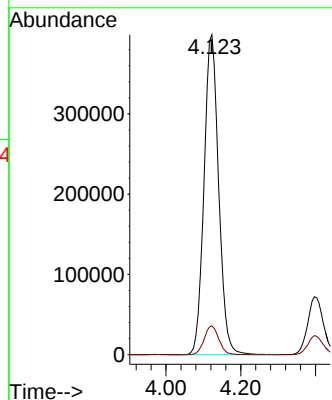
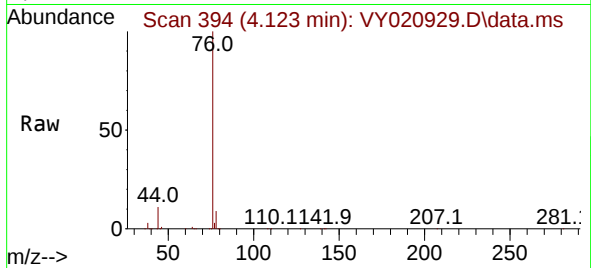




#17  
Carbon Disulfide  
Concen: 155.262 ug/l  
RT: 4.123 min Scan# 394  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

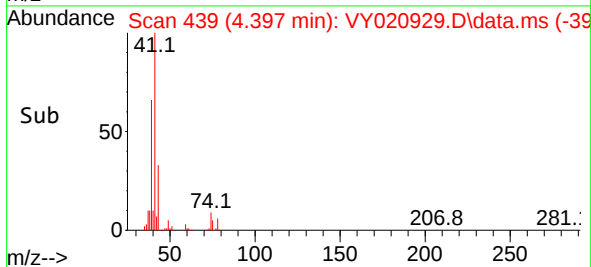
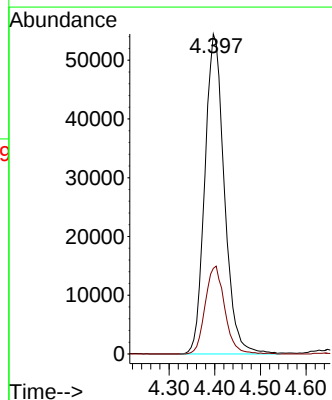
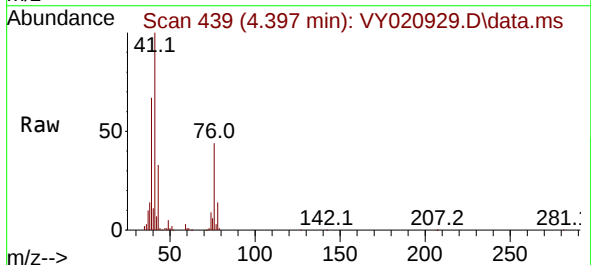
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

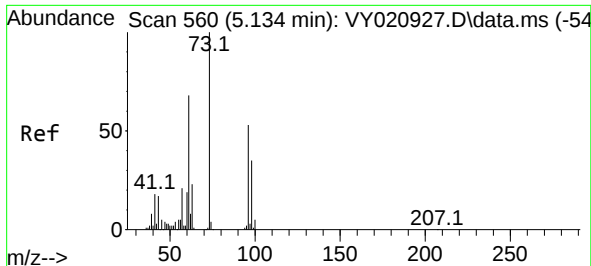
Tgt Ion: 76 Resp: 1081484  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.2 10.8



#18  
Methyl Acetate  
Concen: 149.161 ug/l  
RT: 4.397 min Scan# 439  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 43 Resp: 161739  
Ion Ratio Lower Upper  
43 100  
74 27.3 21.0 31.6





#19

Methyl tert-butyl Ether

Concen: 156.498 ug/l

RT: 5.135 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

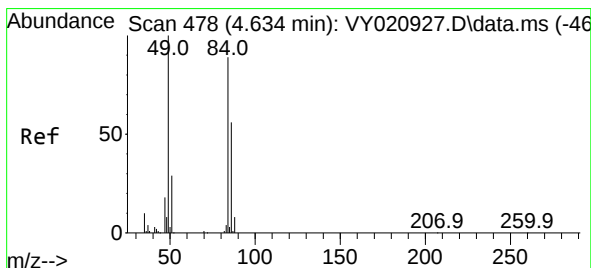
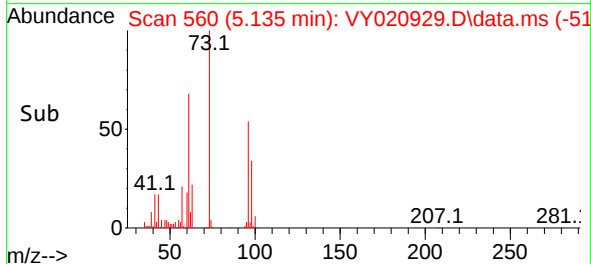
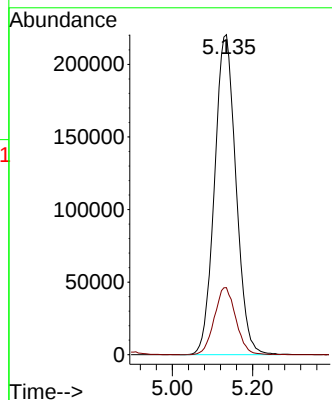
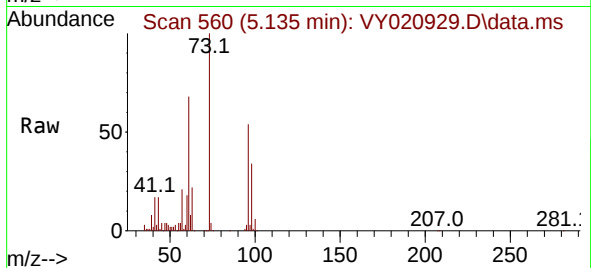
VSTDICC150

Tgt Ion: 73 Resp: 817565

Ion Ratio Lower Upper

73 100

57 20.9 17.0 25.6



#20

Methylene Chloride

Concen: 150.345 ug/l

RT: 4.635 min Scan# 478

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Tgt Ion: 84 Resp: 335626

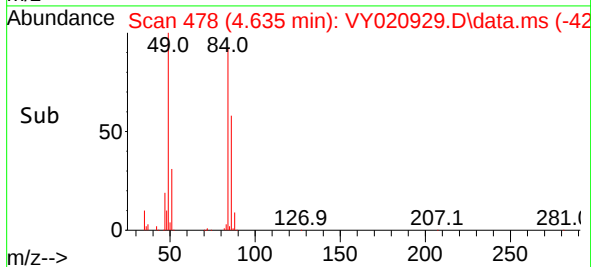
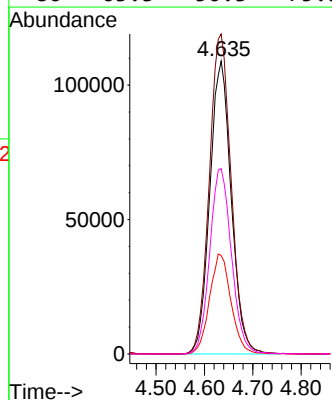
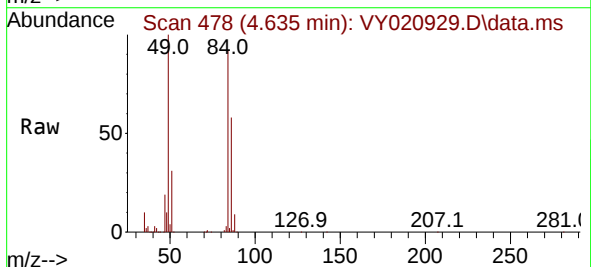
Ion Ratio Lower Upper

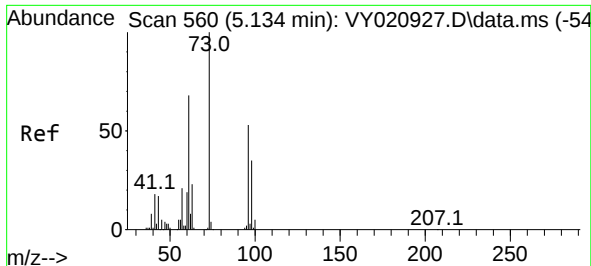
84 100

49 109.3 90.3 135.5

51 33.6 26.6 39.8

86 63.3 50.3 75.5

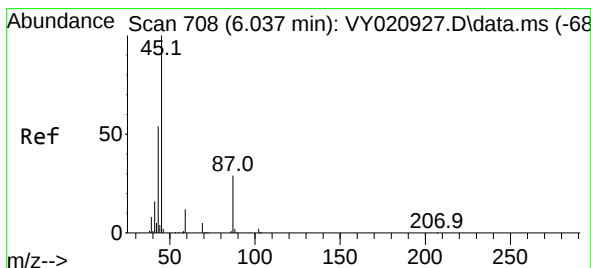
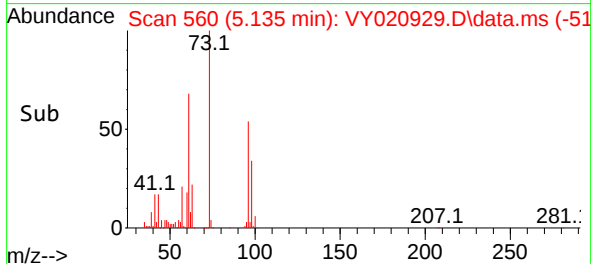
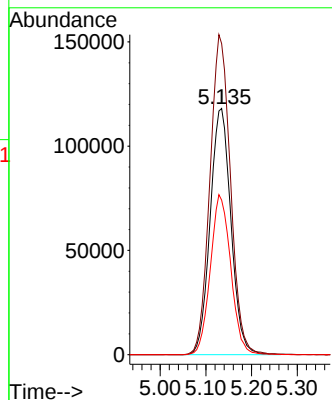
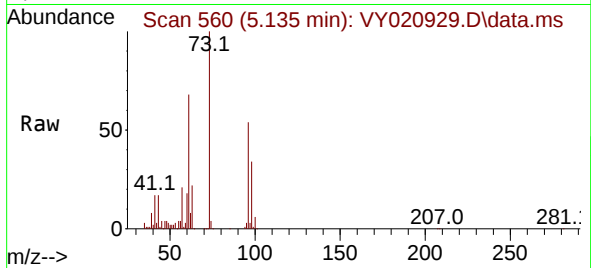




#21  
trans-1,2-Dichloroethene  
Concen: 153.713 ug/l  
RT: 5.135 min Scan# 560  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

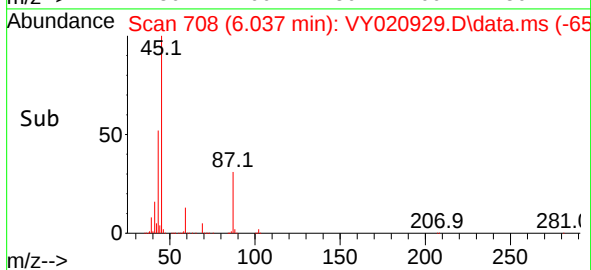
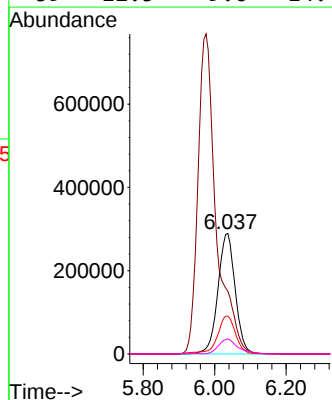
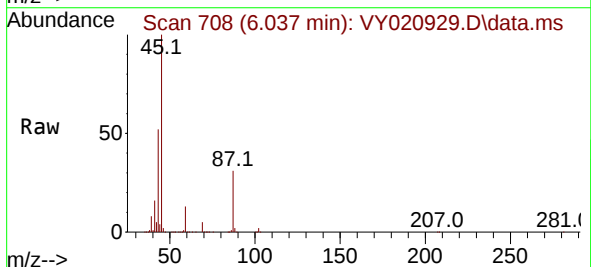
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

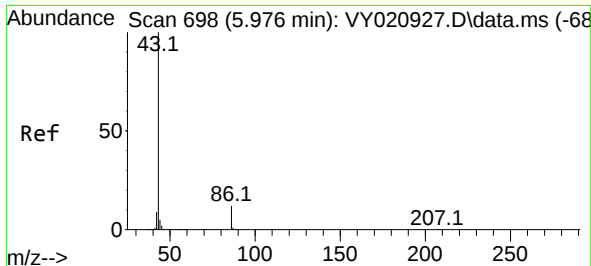
Tgt Ion: 96 Resp: 373801  
Ion Ratio Lower Upper  
96 100  
61 126.3 102.4 153.6  
98 62.8 52.0 78.0



#22  
Diisopropyl ether  
Concen: 153.185 ug/l  
RT: 6.037 min Scan# 708  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 45 Resp: 969992  
Ion Ratio Lower Upper  
45 100  
43 52.0 43.2 64.8  
87 31.3 23.4 35.0  
59 12.5 9.6 14.4

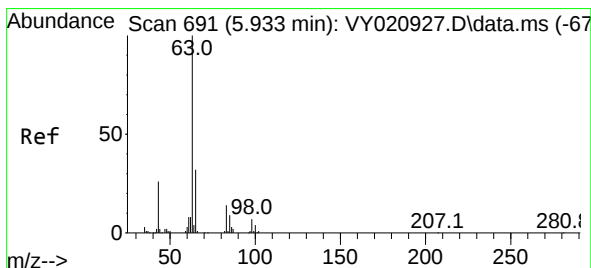
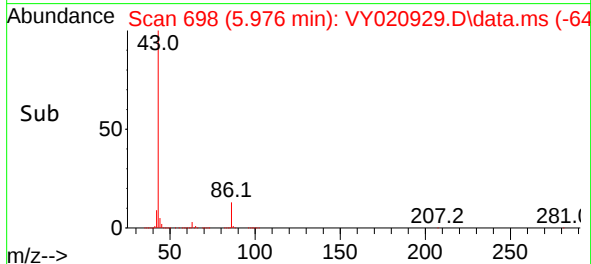
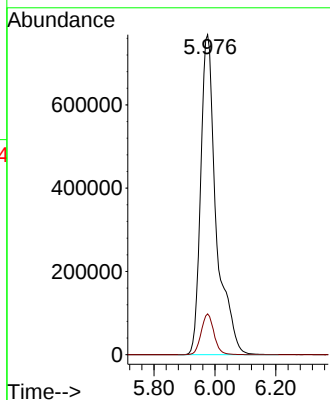
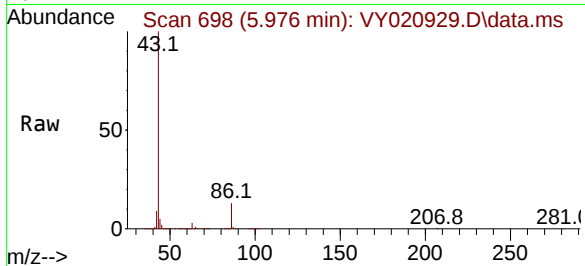




#23  
 Vinyl Acetate  
 Concen: 776.741 ug/l  
 RT: 5.976 min Scan# 698  
 Delta R.T. 0.000 min  
 Lab File: VY020929.D  
 Acq: 24 Jan 2025 14:50

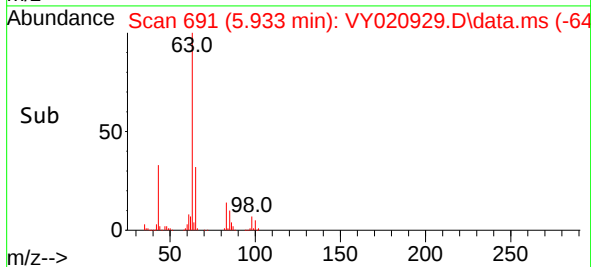
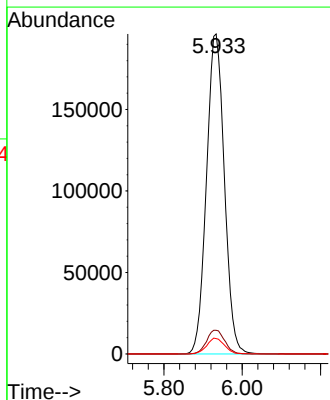
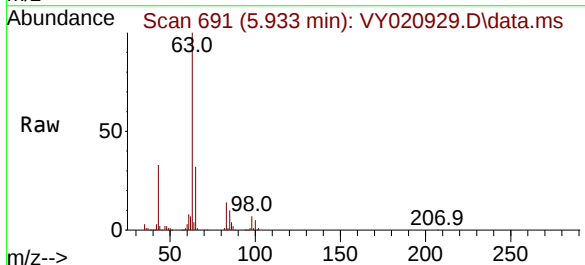
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

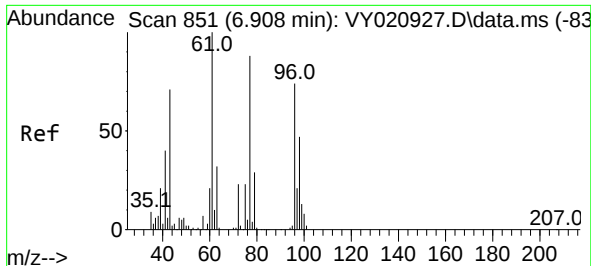
Tgt Ion: 43 Resp: 2722107  
 Ion Ratio Lower Upper  
 43 100  
 86 12.7 9.8 14.6



#24  
 1,1-Dichloroethane  
 Concen: 154.703 ug/l  
 RT: 5.933 min Scan# 691  
 Delta R.T. 0.000 min  
 Lab File: VY020929.D  
 Acq: 24 Jan 2025 14:50

Tgt Ion: 63 Resp: 620975  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.7 11.1  
 100 4.8 2.3 6.8





#25

2-Butanone

Concen: 749.216 ug/l

RT: 6.909 min Scan# 851

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

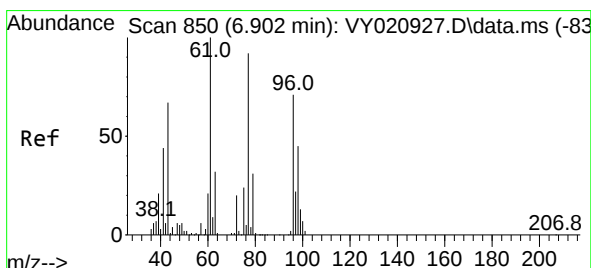
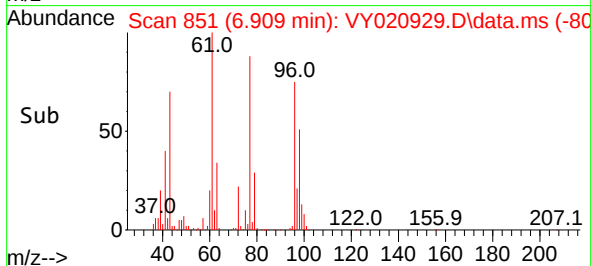
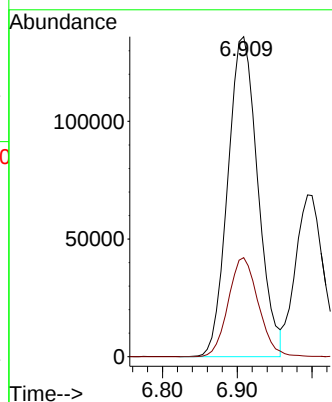
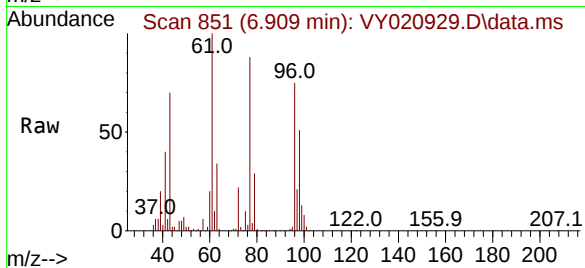
VSTDIC150

Tgt Ion: 43 Resp: 380944

Ion Ratio Lower Upper

43 100

72 31.0 25.8 38.8



#26

2,2-Dichloropropane

Concen: 149.583 ug/l

RT: 6.903 min Scan# 850

Delta R.T. 0.000 min

Lab File: VY020929.D

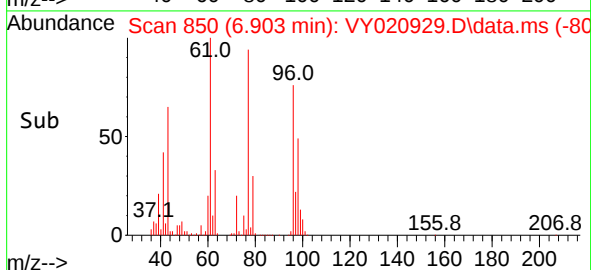
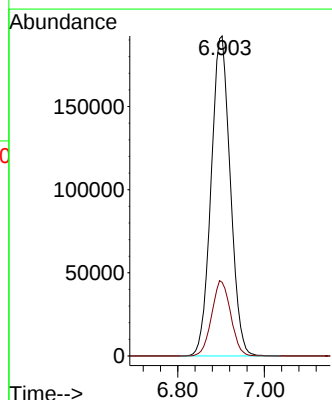
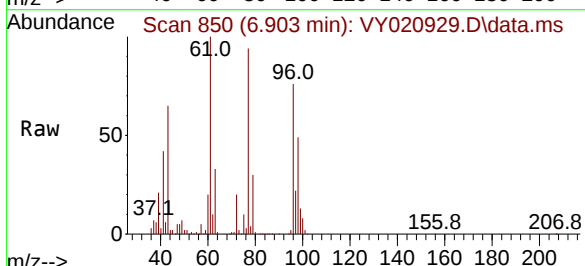
Acq: 24 Jan 2025 14:50

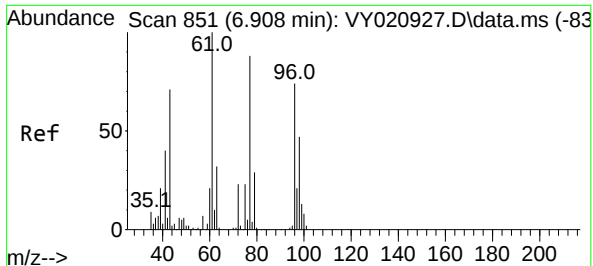
Tgt Ion: 77 Resp: 591403

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 154.834 ug/l

RT: 6.903 min Scan# 850

Delta R.T. -0.006 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

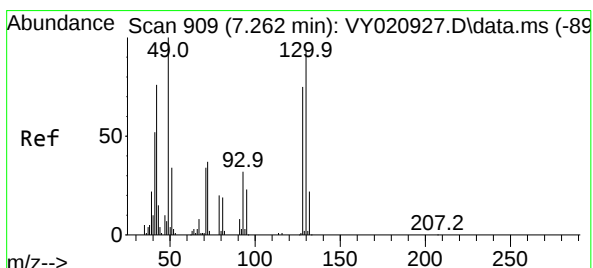
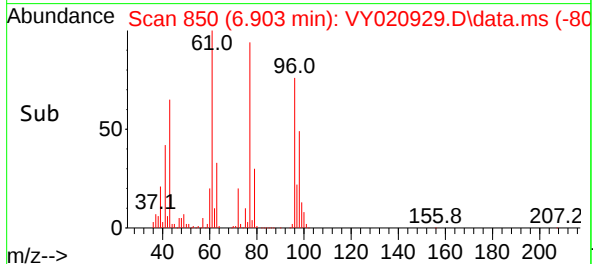
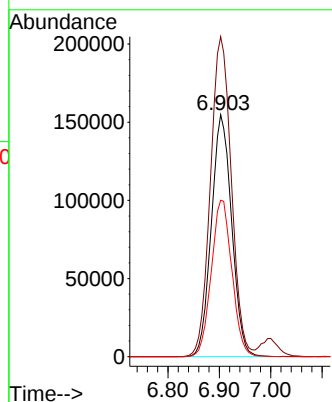
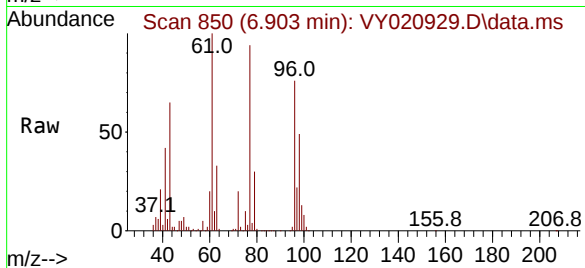
Tgt Ion: 96 Resp: 424941

Ion Ratio Lower Upper

96 100

61 136.3 0.0 275.2

98 65.6 0.0 129.6



#28

Bromochloromethane

Concen: 153.128 ug/l

RT: 7.256 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

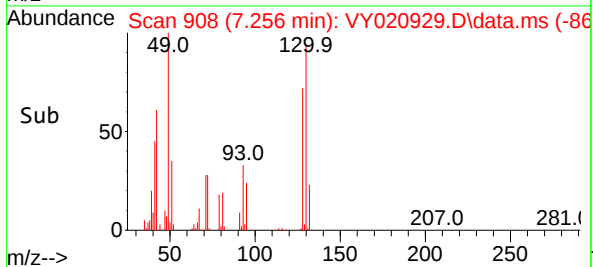
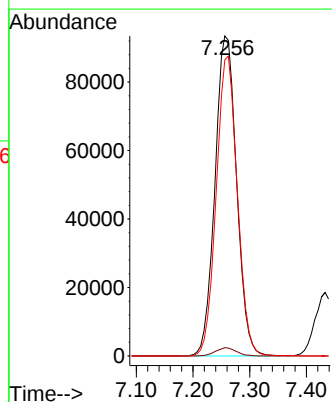
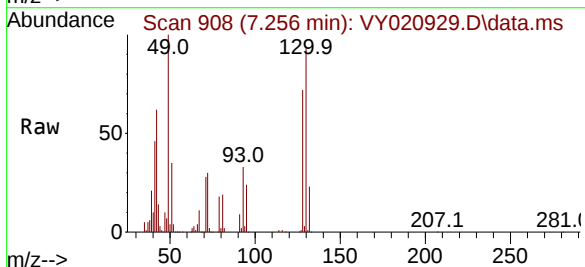
Tgt Ion: 49 Resp: 247375

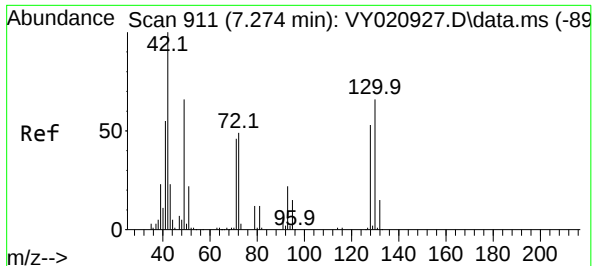
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.6

130 91.2 72.6 109.0





#29

Tetrahydrofuran

Concen: 762.199 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

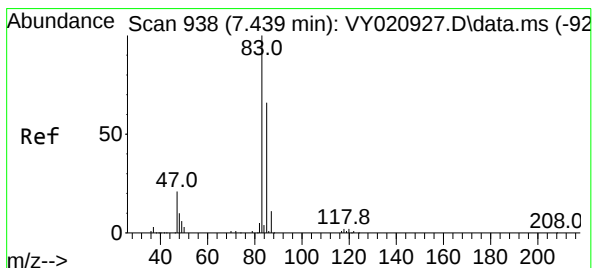
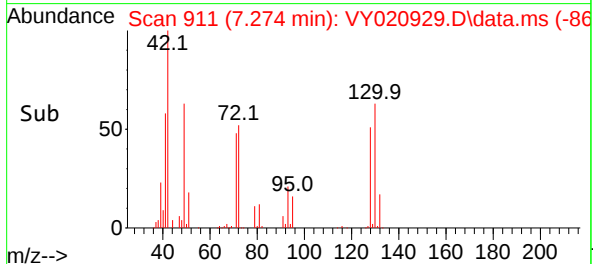
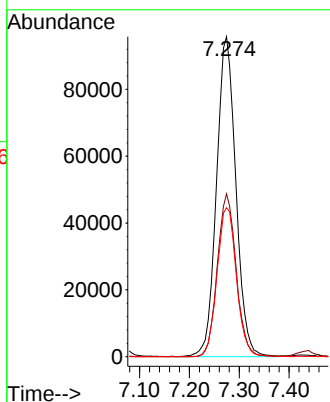
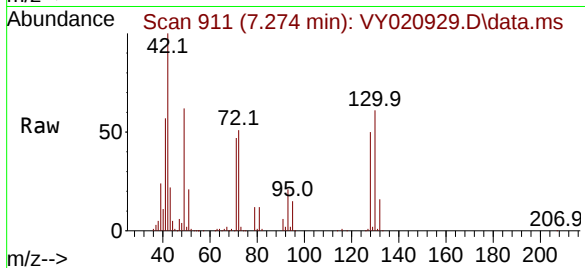
Tgt Ion: 42 Resp: 258283

Ion Ratio Lower Upper

42 100

72 49.5 38.8 58.2

71 46.6 36.4 54.6



#30

Chloroform

Concen: 155.015 ug/l

RT: 7.433 min Scan# 937

Delta R.T. -0.006 min

Lab File: VY020929.D

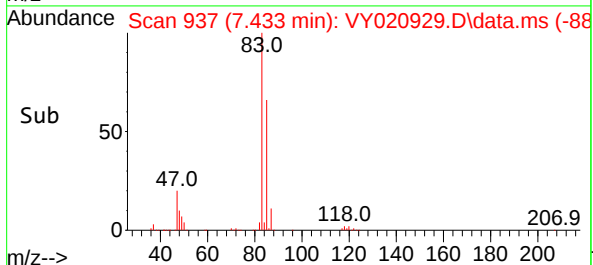
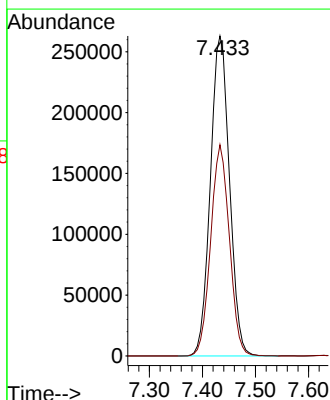
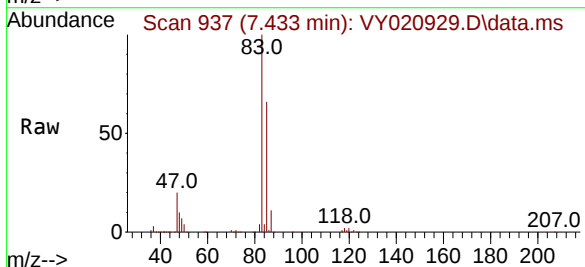
Acq: 24 Jan 2025 14:50

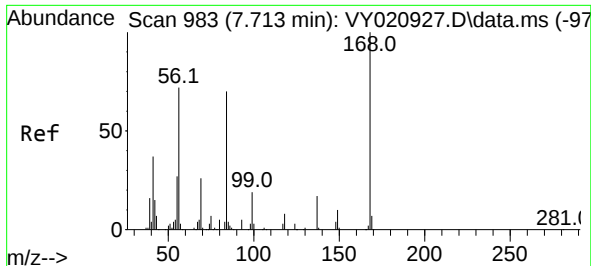
Tgt Ion: 83 Resp: 658549

Ion Ratio Lower Upper

83 100

85 66.0 53.0 79.4

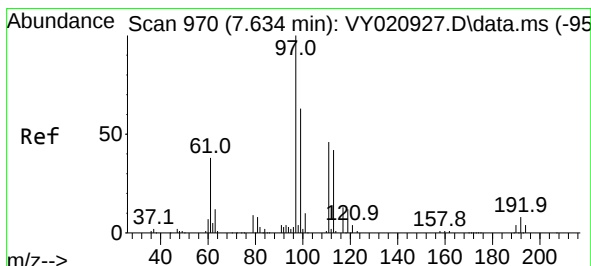
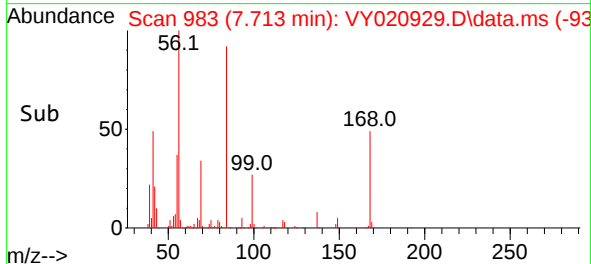
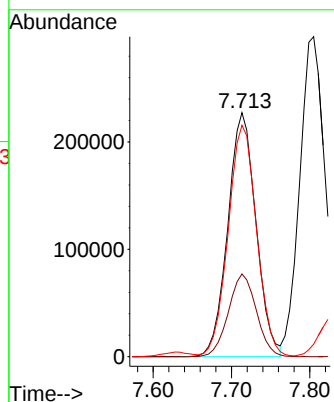
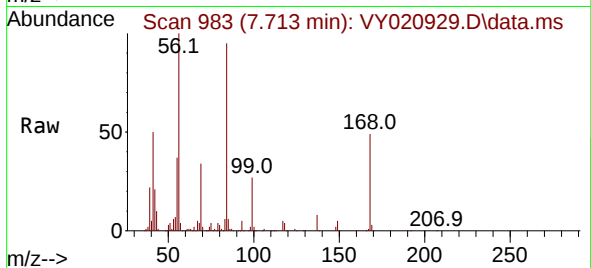




#31  
Cyclohexane  
Concen: 143.926 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

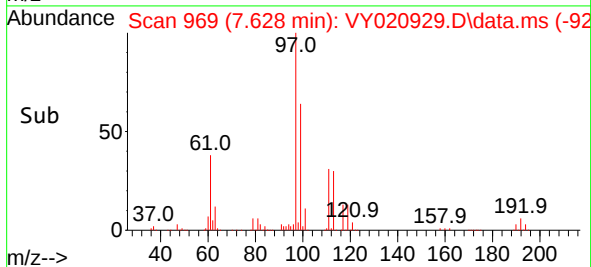
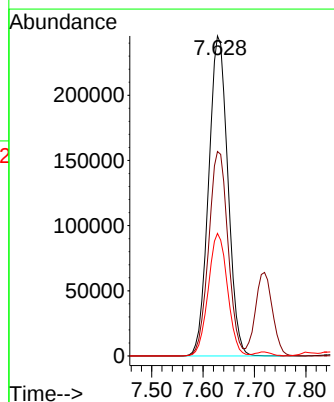
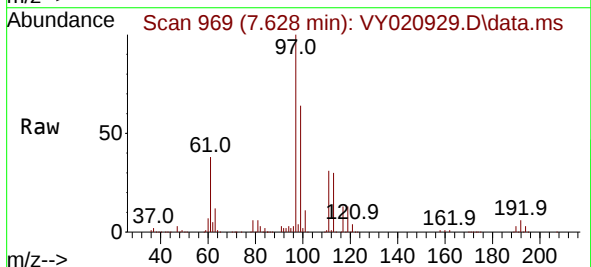
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

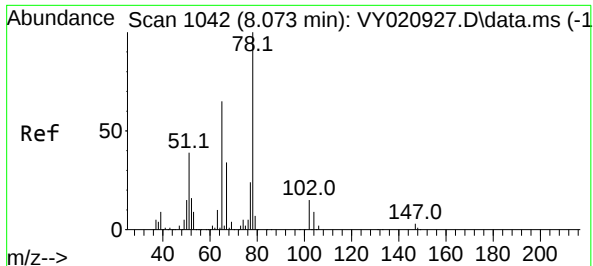
Tgt Ion: 56 Resp: 567808  
Ion Ratio Lower Upper  
56 100  
69 33.9 28.7 43.1  
84 93.0 77.4 116.0



#32  
1,1,1-Trichloroethane  
Concen: 154.945 ug/l  
RT: 7.628 min Scan# 969  
Delta R.T. -0.006 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 97 Resp: 638490  
Ion Ratio Lower Upper  
97 100  
99 64.6 51.7 77.5  
61 38.3 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 145.323 ug/l

RT: 8.073 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

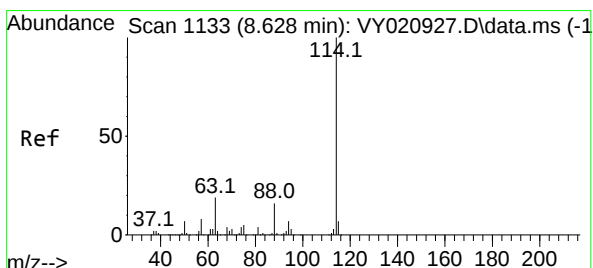
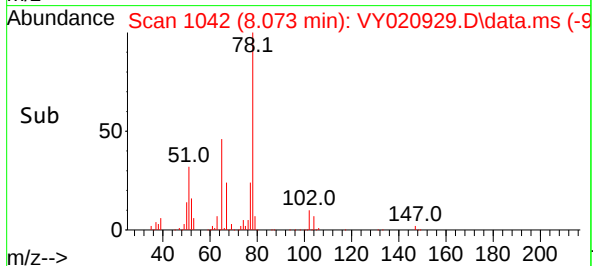
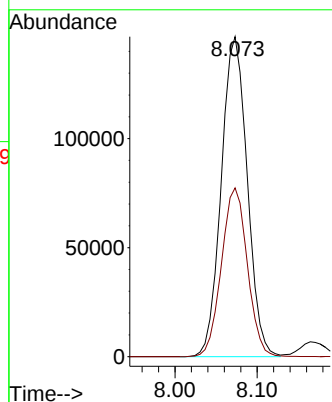
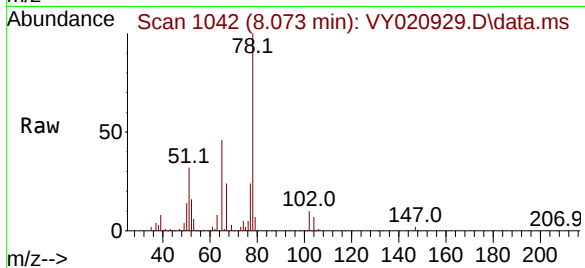
VSTDIC150

Tgt Ion: 65 Resp: 321950

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

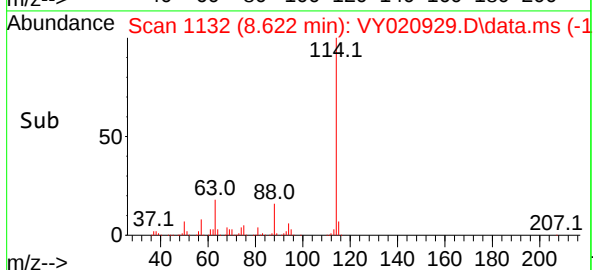
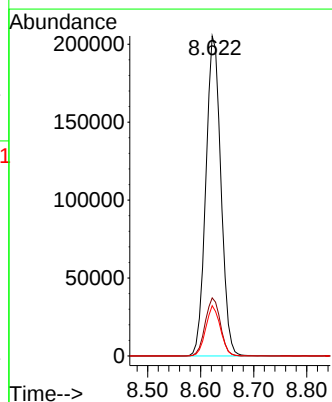
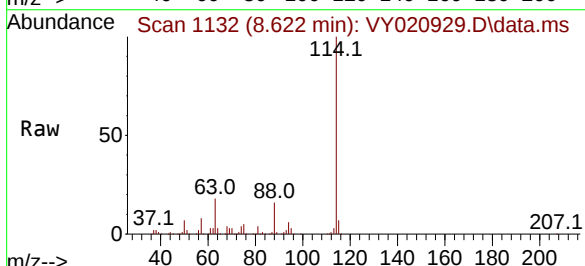
Tgt Ion: 114 Resp: 404615

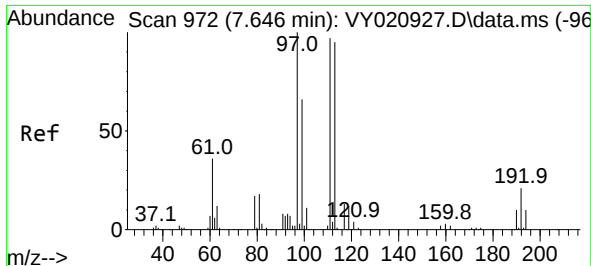
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 15.7 0.0 31.6

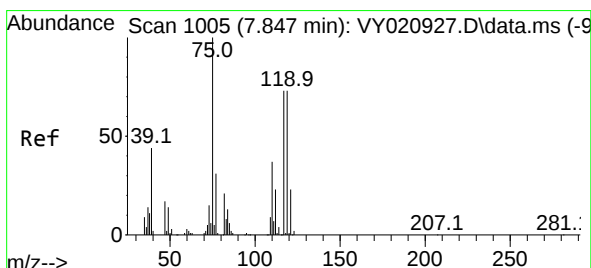
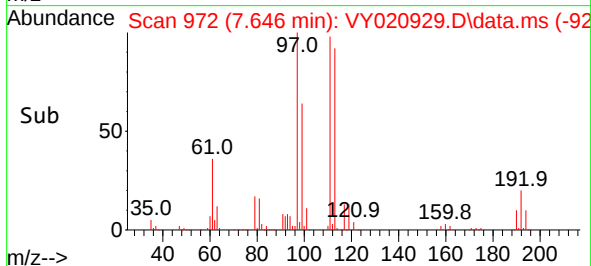
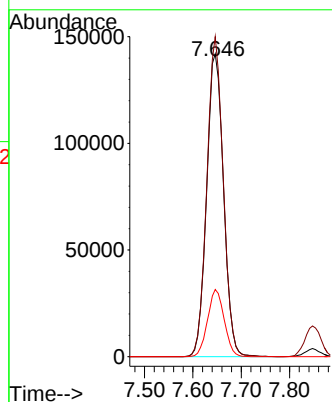
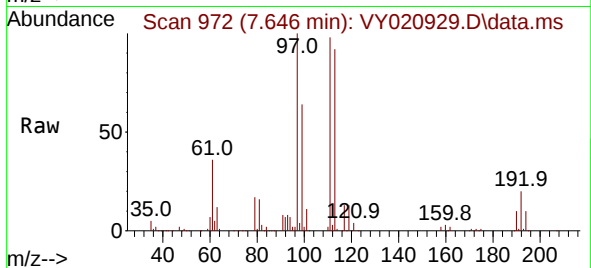




#35  
Dibromofluoromethane  
Concen: 148.471 ug/l  
RT: 7.646 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

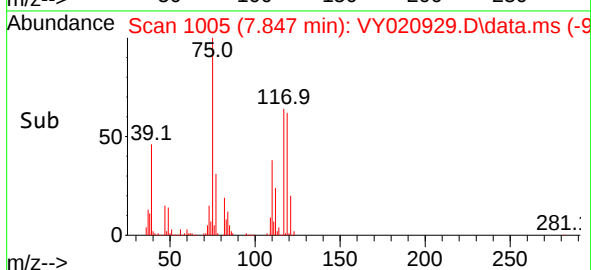
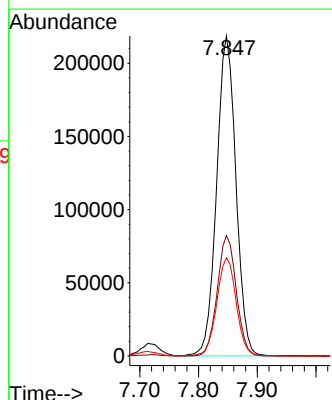
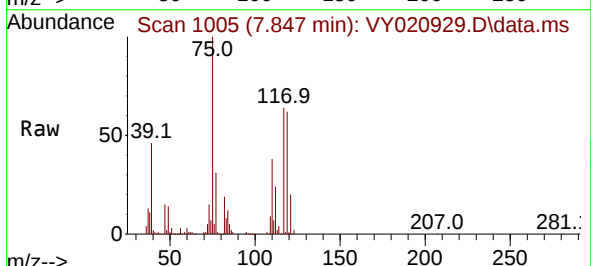
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

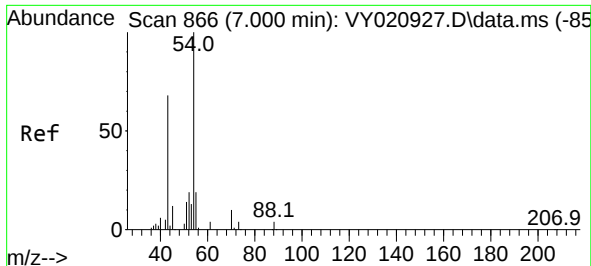
Tgt Ion:113 Resp: 344873  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.3 123.5  
192 21.8 17.4 26.2



#36  
1,1-Dichloropropene  
Concen: 153.542 ug/l  
RT: 7.847 min Scan# 1005  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 75 Resp: 497951  
Ion Ratio Lower Upper  
75 100  
110 37.2 18.5 55.5  
77 31.0 25.0 37.4





#37

Ethyl Acetate

Concen: 147.131 ug/l

RT: 6.994 min Scan# 8

Delta R.T. -0.006 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

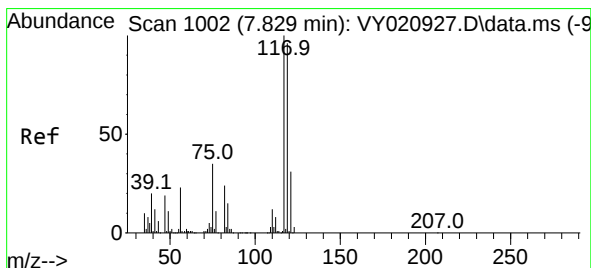
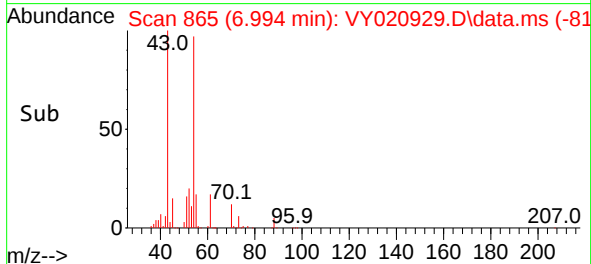
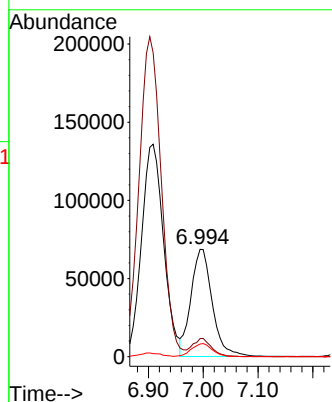
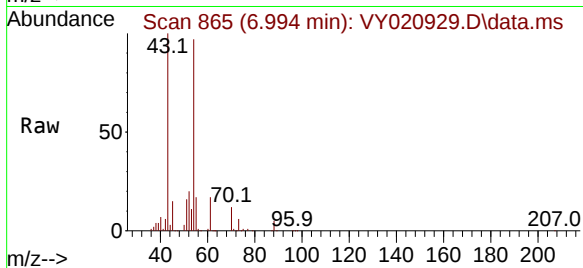
Tgt Ion: 43 Resp: 185129

Ion Ratio Lower Upper

43 100

61 14.8 12.1 18.1

70 12.1 9.5 14.3



#38

Carbon Tetrachloride

Concen: 155.205 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

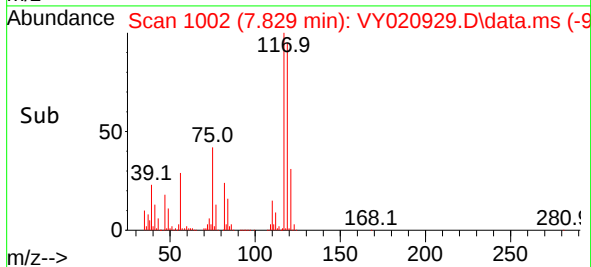
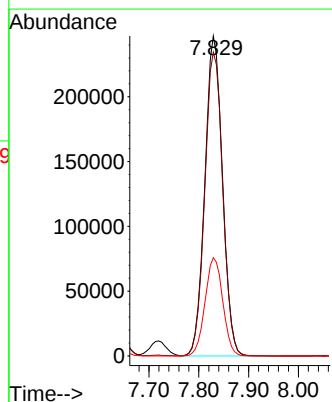
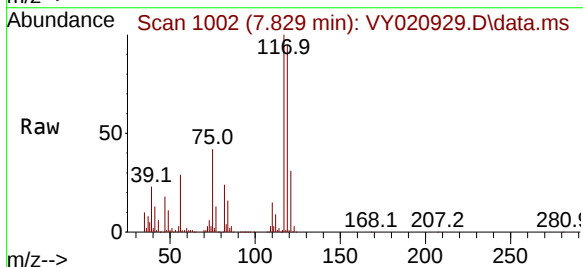
Tgt Ion: 117 Resp: 607007

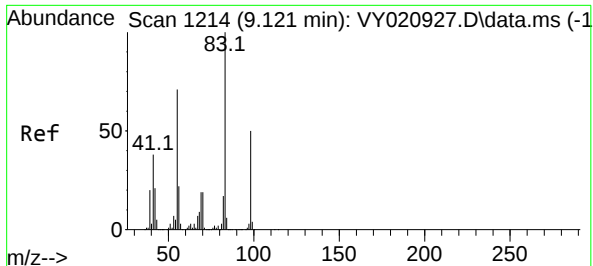
Ion Ratio Lower Upper

117 100

119 94.9 76.5 114.7

121 30.7 25.0 37.4





#39

Methylcyclohexane

Concen: 158.206 ug/l

RT: 9.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

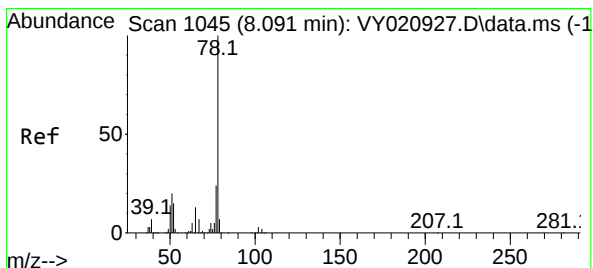
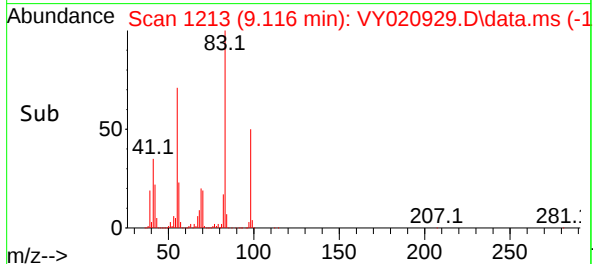
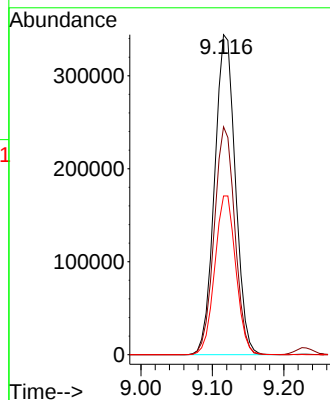
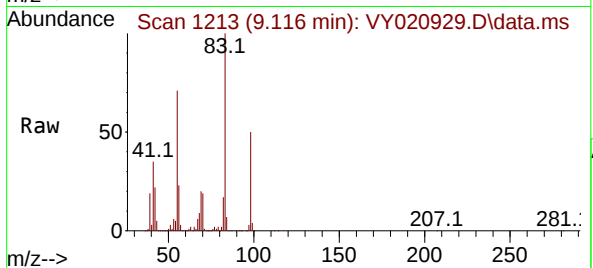
Tgt Ion: 83 Resp: 694607

Ion Ratio Lower Upper

83 100

55 71.2 57.0 85.4

98 49.6 40.1 60.1



#40

Benzene

Concen: 153.678 ug/l

RT: 8.091 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VY020929.D

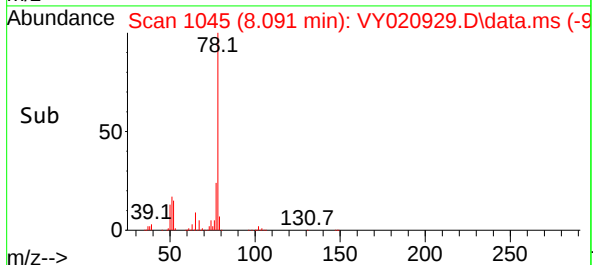
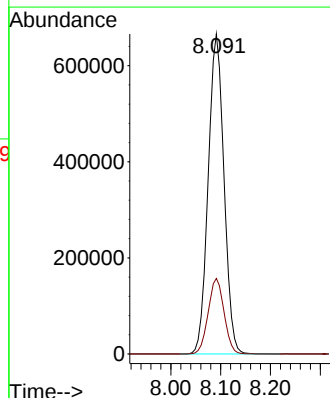
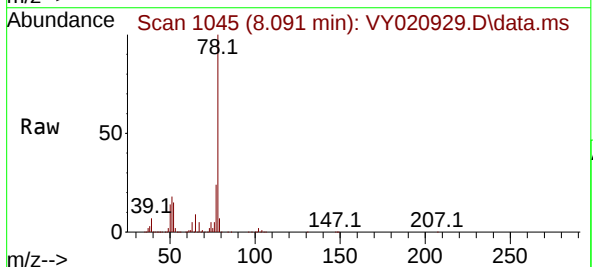
Acq: 24 Jan 2025 14:50

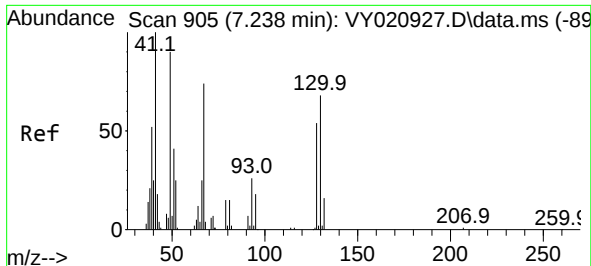
Tgt Ion: 78 Resp: 1462146

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.6



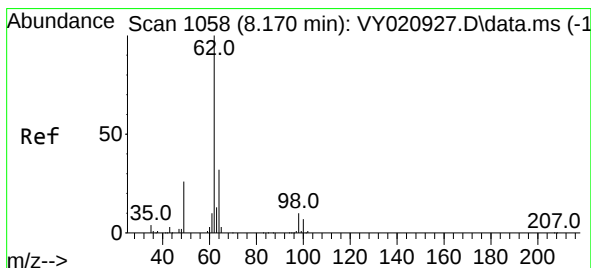
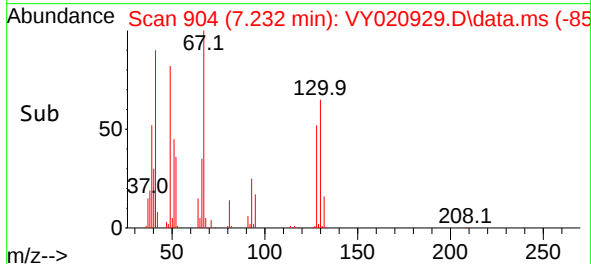
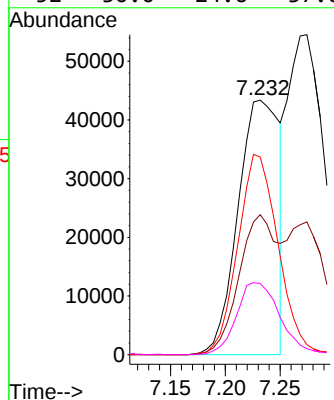
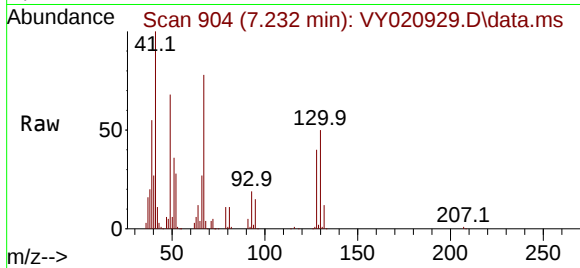


#41  
Methacrylonitrile  
Concen: 171.106 ug/l  
RT: 7.232 min Scan# 905  
Delta R.T. -0.006 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tgt Ion: 41 Resp: 113732

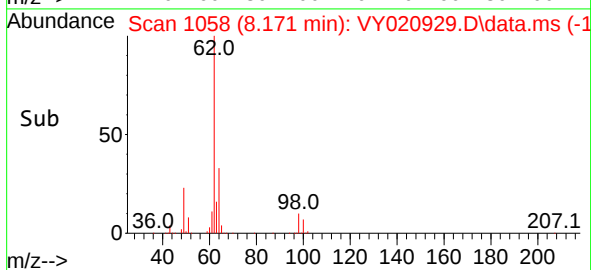
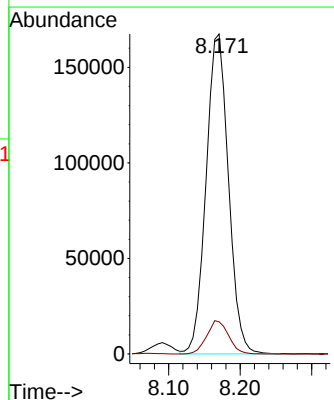
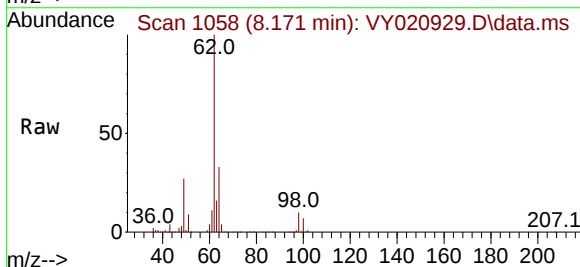
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 51.3  | 46.4  | 69.6  |
| 67  | 77.2  | 66.7  | 100.1 |
| 52  | 30.0  | 24.6  | 37.0  |

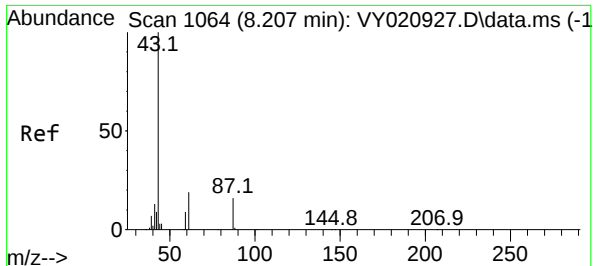


#42  
1,2-Dichloroethane  
Concen: 153.667 ug/l  
RT: 8.171 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 62 Resp: 363795

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.2  | 0.0   | 19.8  |





#43

Isopropyl Acetate

Concen: 161.137 ug/l

RT: 8.207 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

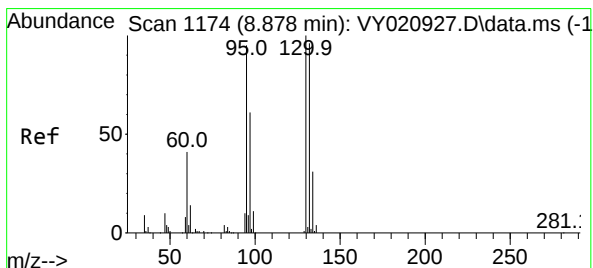
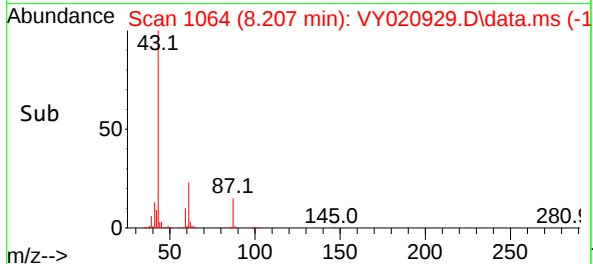
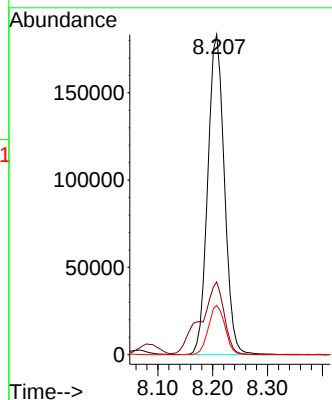
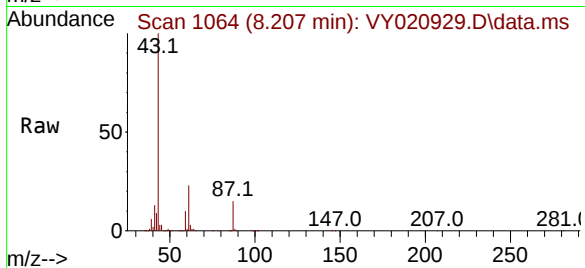
Tgt Ion: 43 Resp: 384473

Ion Ratio Lower Upper

43 100

61 32.2 26.0 39.0

87 15.5 12.4 18.6



#44

Trichloroethene

Concen: 156.082 ug/l

RT: 8.872 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VY020929.D

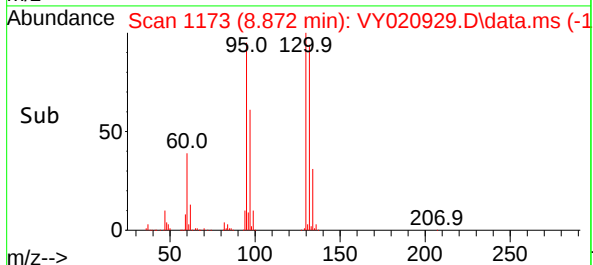
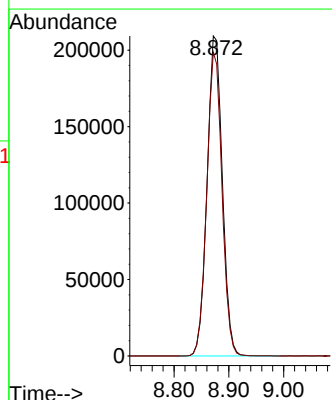
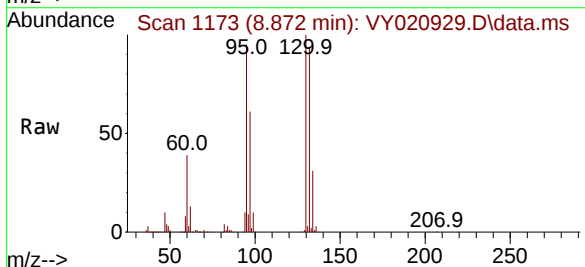
Acq: 24 Jan 2025 14:50

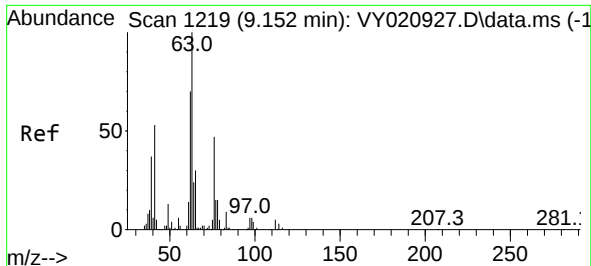
Tgt Ion:130 Resp: 403442

Ion Ratio Lower Upper

130 100

95 94.9 0.0 189.4

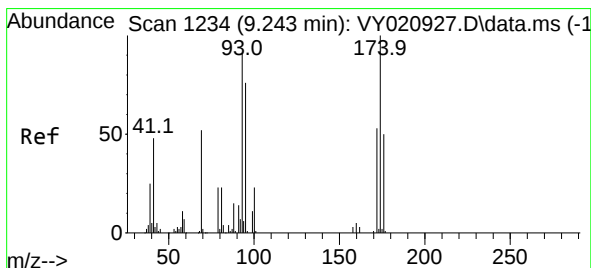
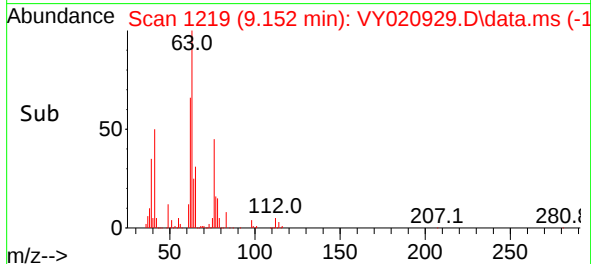
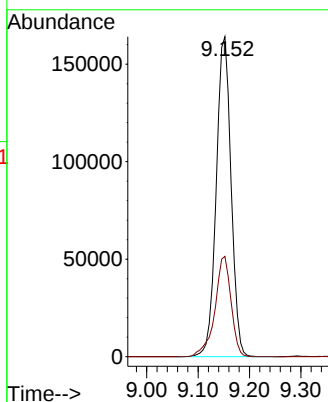
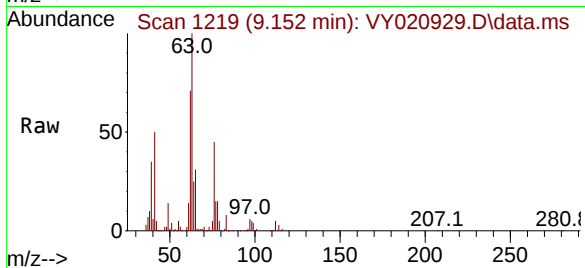




#45  
1,2-Dichloropropane  
Concen: 156.221 ug/l  
RT: 9.152 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

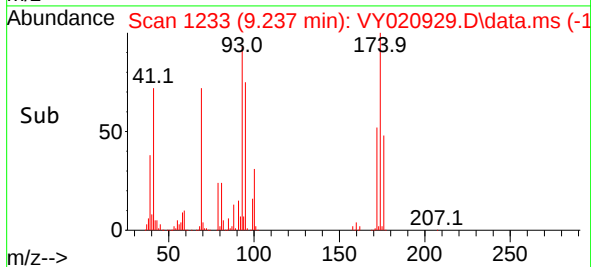
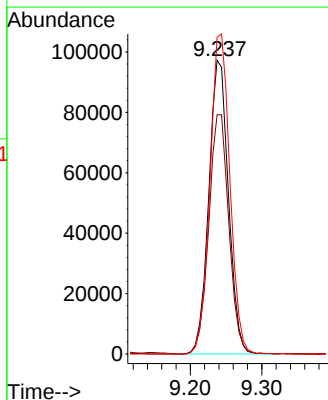
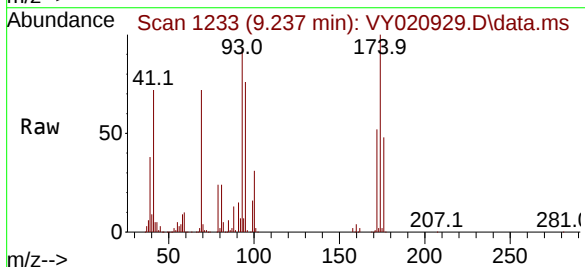
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

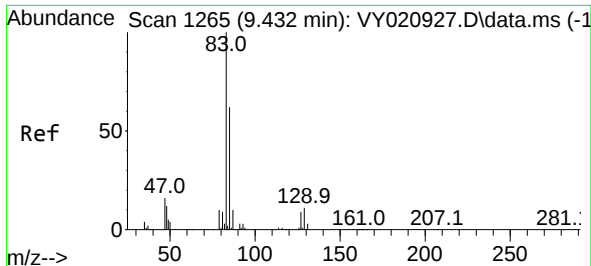
Tgt Ion: 63 Resp: 328095  
Ion Ratio Lower Upper  
63 100  
65 31.3 23.9 35.9



#46  
Dibromomethane  
Concen: 155.229 ug/l  
RT: 9.237 min Scan# 1233  
Delta R.T. -0.006 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 93 Resp: 185339  
Ion Ratio Lower Upper  
93 100  
95 83.2 66.2 99.2  
174 110.3 87.0 130.4





#47

Bromodichloromethane

Concen: 157.187 ug/l

RT: 9.433 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

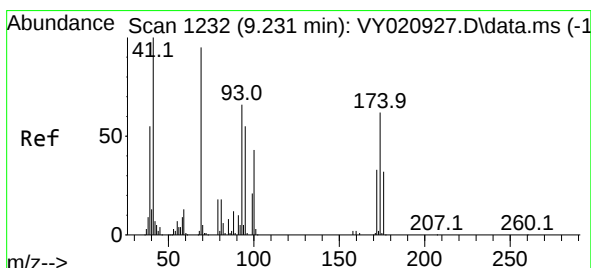
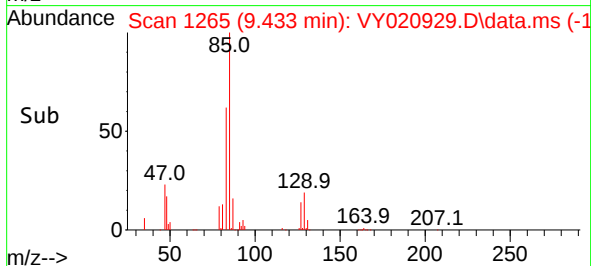
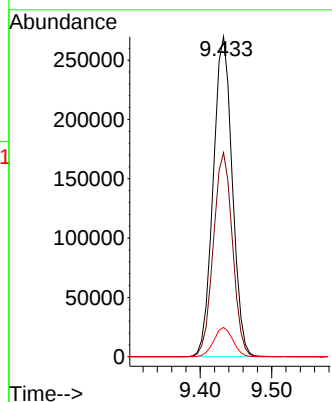
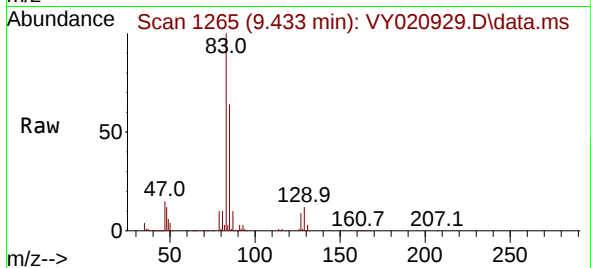
Tgt Ion: 83 Resp: 499364

Ion Ratio Lower Upper

83 100

85 63.8 49.3 73.9

127 9.2 7.4 11.0



#48

Methyl methacrylate

Concen: 161.667 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

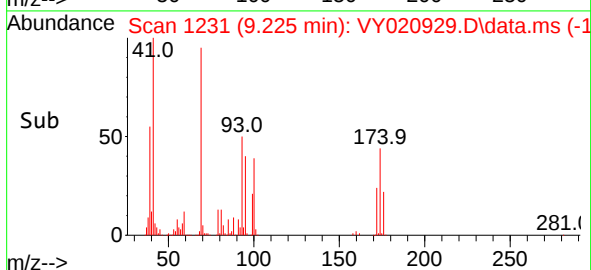
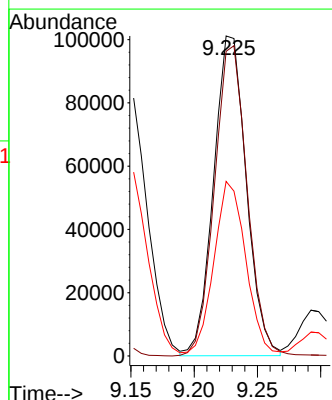
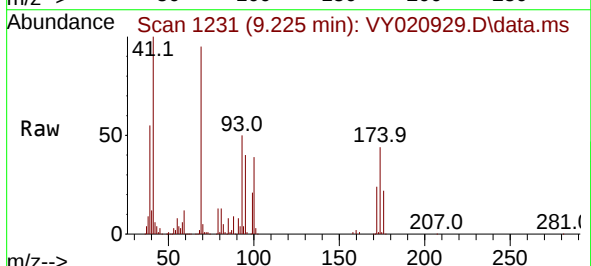
Tgt Ion: 41 Resp: 181962

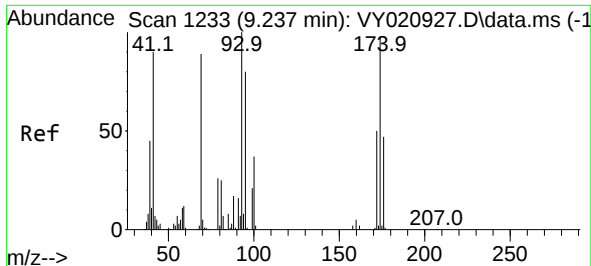
Ion Ratio Lower Upper

41 100

69 97.2 77.0 115.4

39 51.5 41.1 61.7

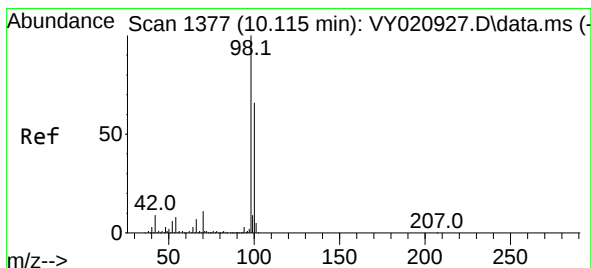
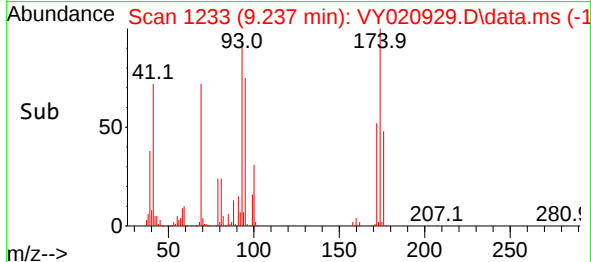
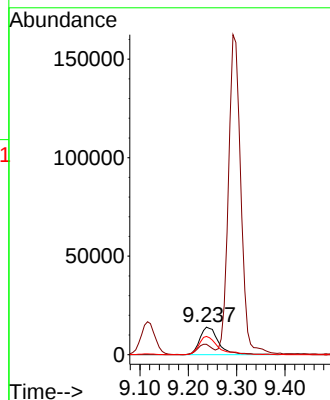
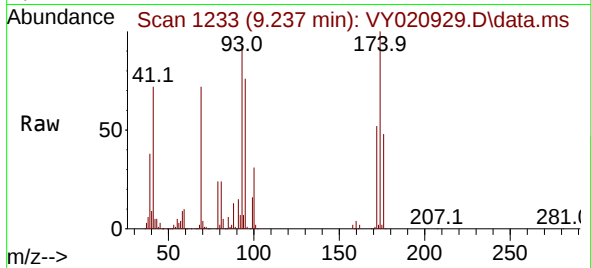




#49  
1,4-Dioxane  
Concen: 3086.764 ug/l  
RT: 9.237 min Scan# 1233  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

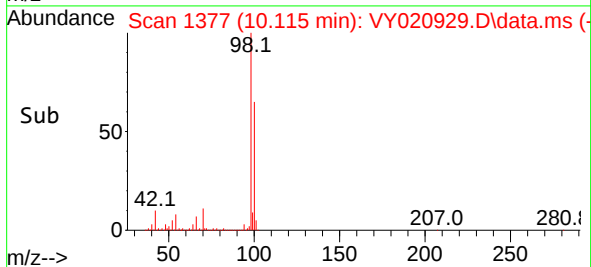
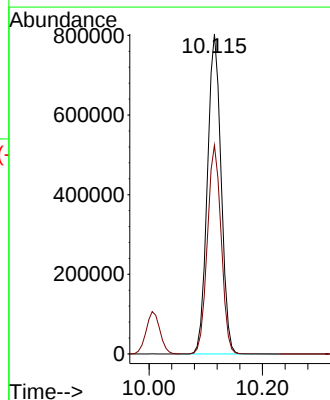
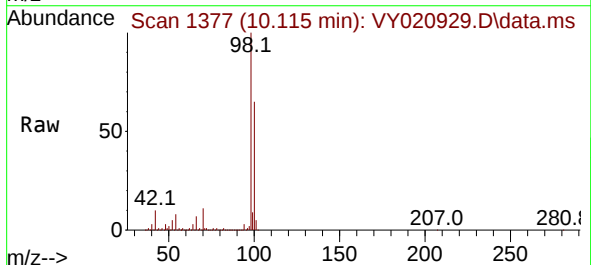
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

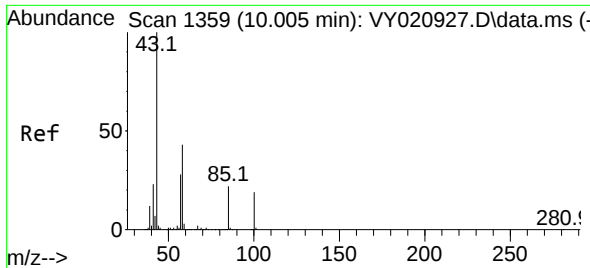
Tgt Ion: 88 Resp: 37947  
Ion Ratio Lower Upper  
88 100  
43 29.2 23.1 34.7  
58 67.5 49.0 73.6



#50  
Toluene-d8  
Concen: 149.405 ug/l  
RT: 10.115 min Scan# 1377  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 98 Resp: 1346111  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.3 78.5

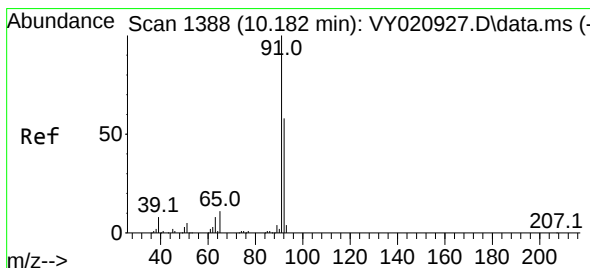
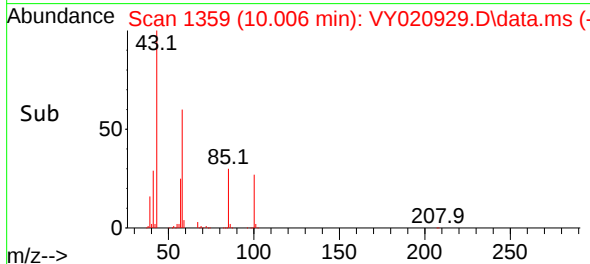
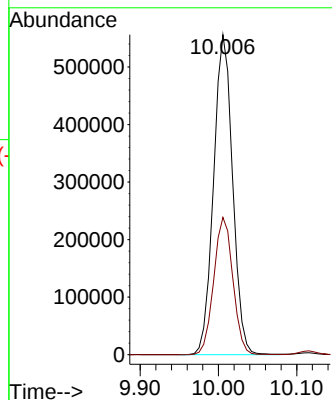
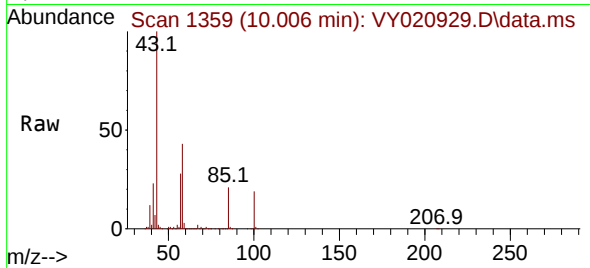




#51  
4-Methyl-2-Pentanone  
Concen: 780.092 ug/l  
RT: 10.006 min Scan# 1359  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

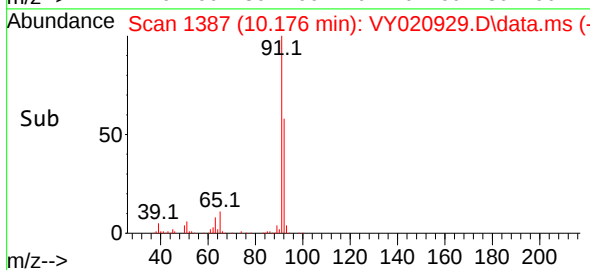
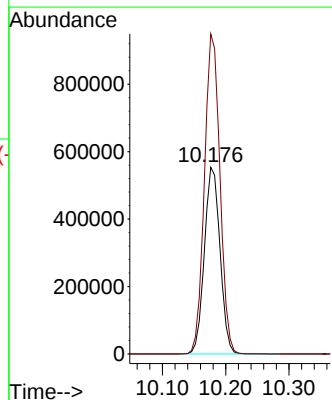
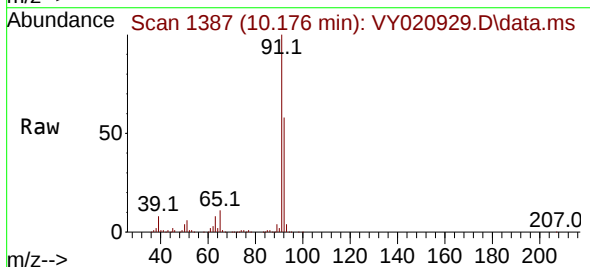
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

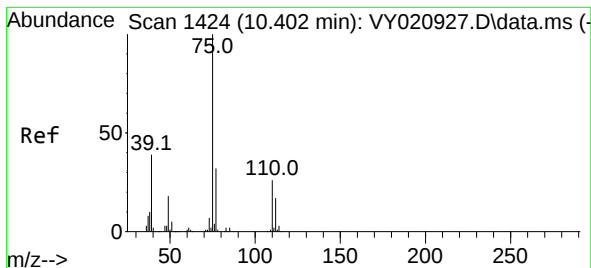
Tgt Ion: 43 Resp: 938516  
Ion Ratio Lower Upper  
43 100  
58 43.2 33.7 50.5



#52  
Toluene  
Concen: 155.721 ug/l  
RT: 10.176 min Scan# 1387  
Delta R.T. -0.006 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 92 Resp: 952872  
Ion Ratio Lower Upper  
92 100  
91 170.4 137.3 205.9

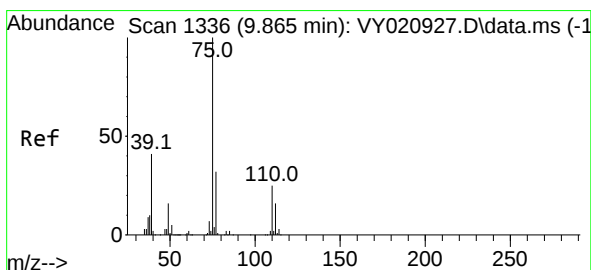
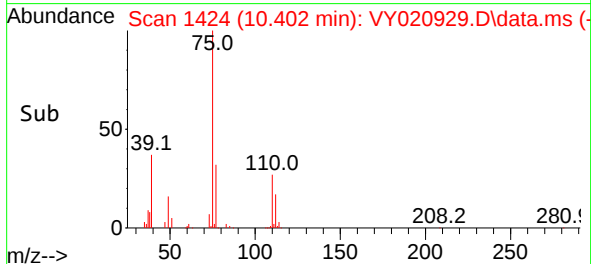
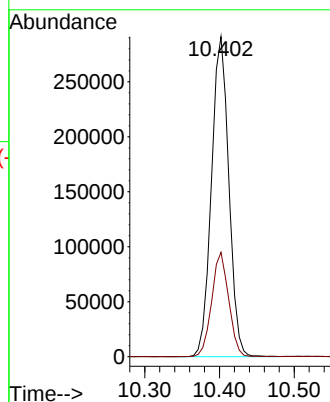
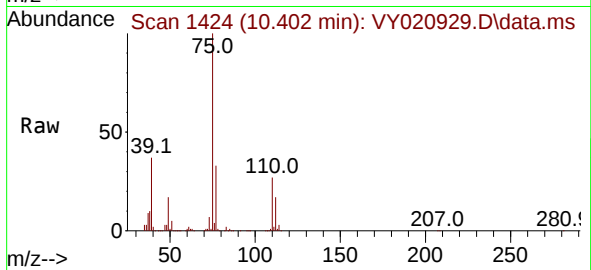




#53  
 t-1,3-Dichloropropene  
 Concen: 161.215 ug/l  
 RT: 10.402 min Scan# 1424  
 Delta R.T. 0.000 min  
 Lab File: VY020929.D  
 Acq: 24 Jan 2025 14:50

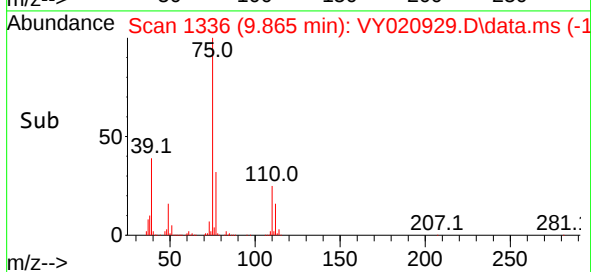
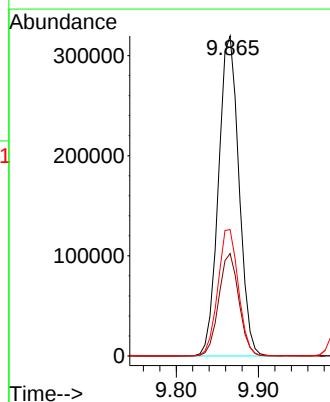
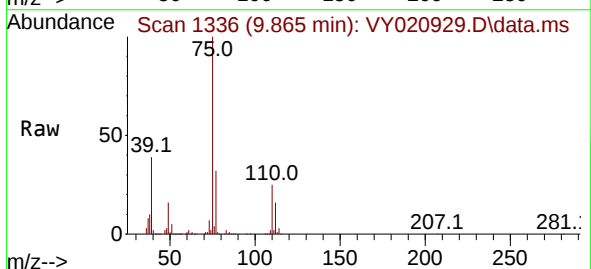
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

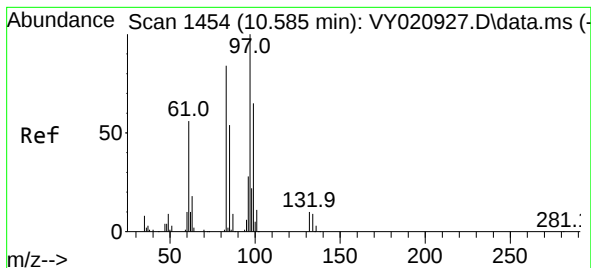
Tgt Ion: 75 Resp: 469597  
 Ion Ratio Lower Upper  
 75 100  
 77 32.6 25.4 38.2



#54  
 cis-1,3-Dichloropropene  
 Concen: 158.921 ug/l  
 RT: 9.865 min Scan# 1336  
 Delta R.T. 0.000 min  
 Lab File: VY020929.D  
 Acq: 24 Jan 2025 14:50

Tgt Ion: 75 Resp: 552753  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.7 38.5  
 39 39.5 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 154.005 ug/l

RT: 10.579 min Scan# 1453

Delta R.T. -0.006 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 248552

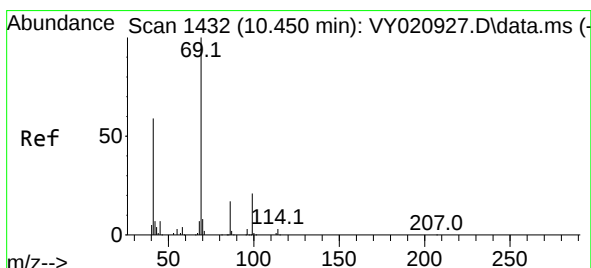
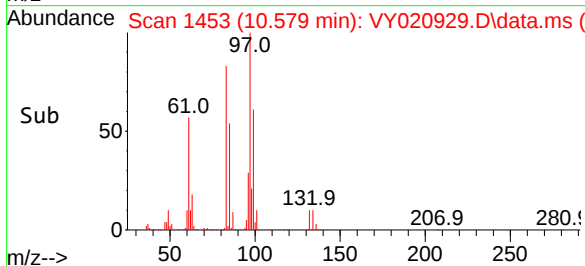
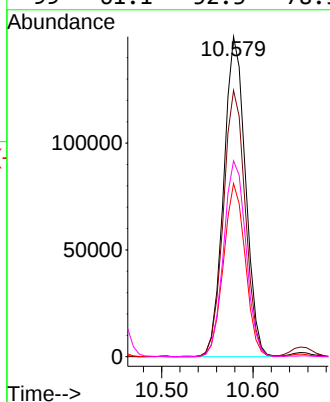
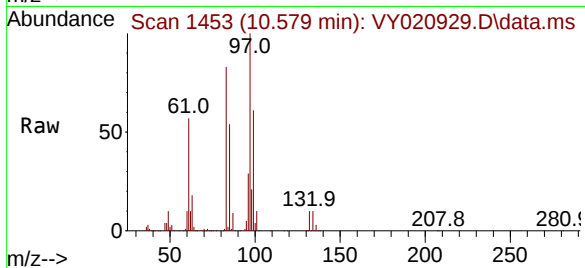
Ion Ratio Lower Upper

97 100

83 83.2 67.0 100.6

85 54.1 43.1 64.7

99 61.1 52.3 78.5



#56

Ethyl methacrylate

Concen: 168.715 ug/l

RT: 10.445 min Scan# 1431

Delta R.T. -0.006 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

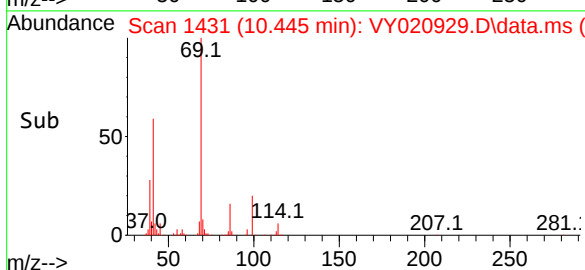
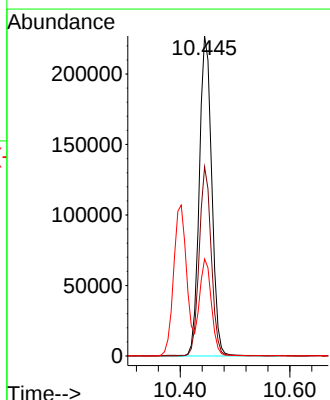
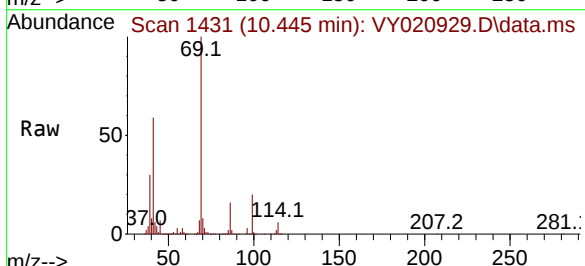
Tgt Ion: 69 Resp: 356853

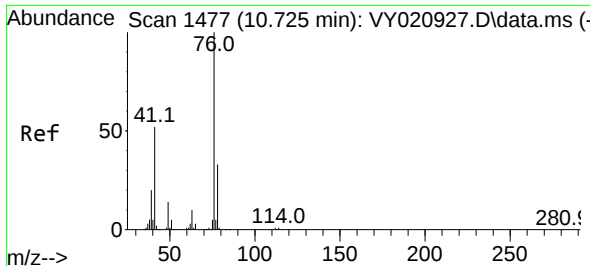
Ion Ratio Lower Upper

69 100

41 57.3 46.6 70.0

39 28.7 23.9 35.9





#57

1,3-Dichloropropane

Concen: 154.155 ug/l

RT: 10.725 min Scan# 1477

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

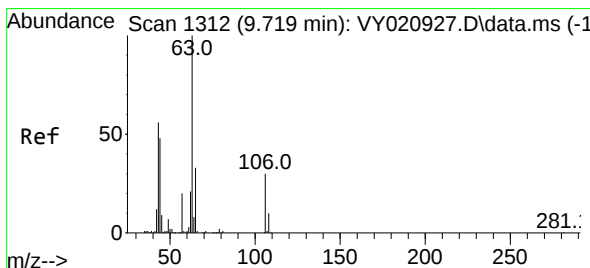
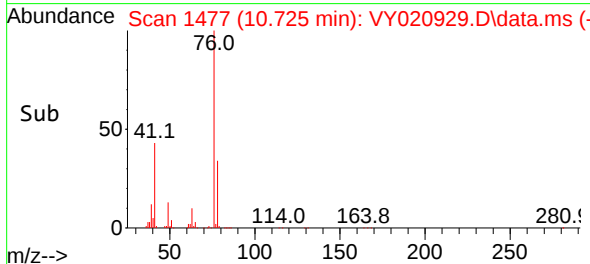
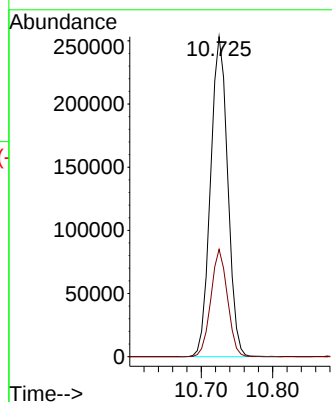
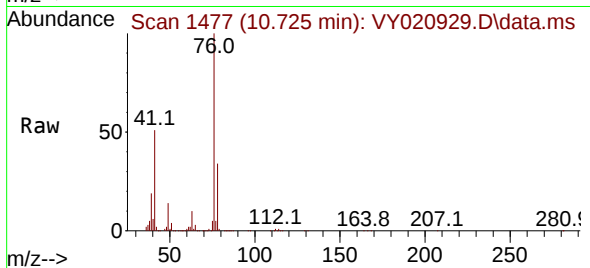
VSTDIC150

Tgt Ion: 76 Resp: 422652

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 837.262 ug/l

RT: 9.719 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VY020929.D

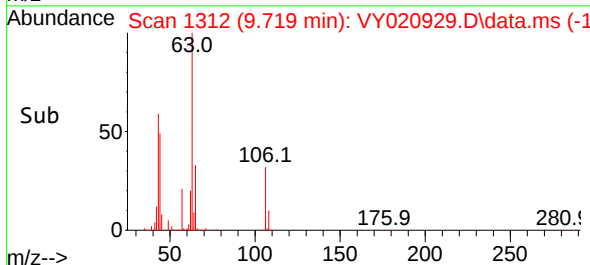
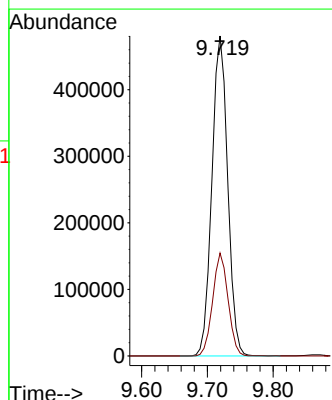
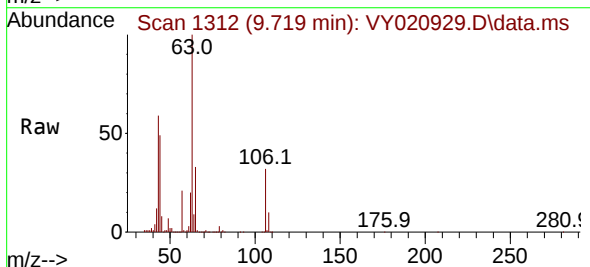
Acq: 24 Jan 2025 14:50

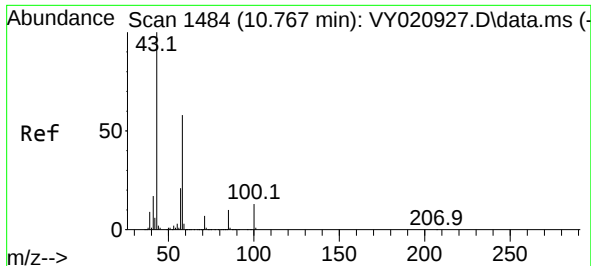
Tgt Ion: 63 Resp: 803761

Ion Ratio Lower Upper

63 100

106 31.3 24.7 37.1

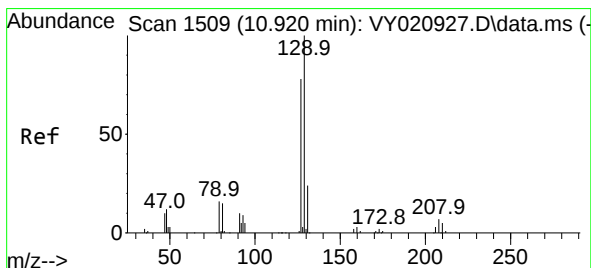
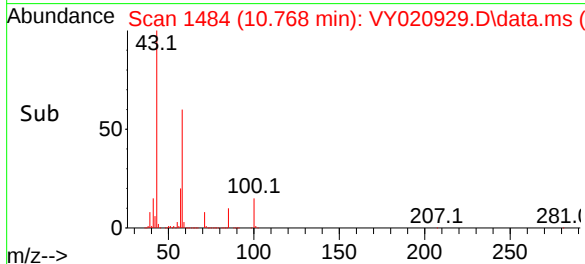
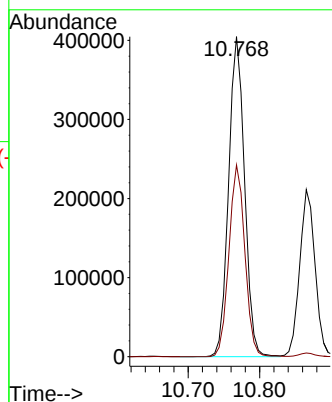
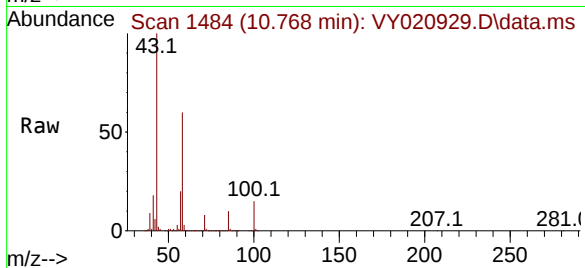




#59  
2-Hexanone  
Concen: 807.765 ug/l  
RT: 10.768 min Scan# 1484  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

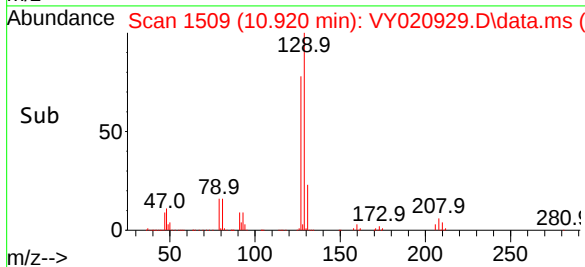
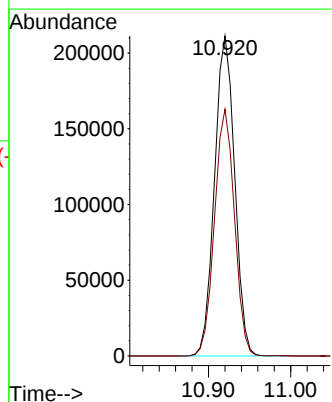
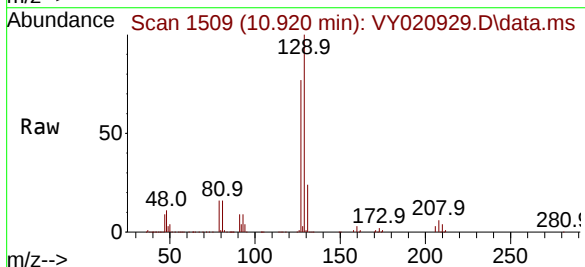
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

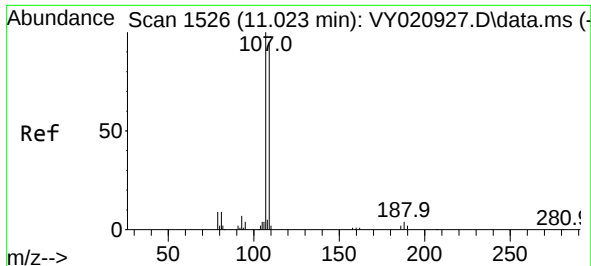
Tgt Ion: 43 Resp: 624904  
Ion Ratio Lower Upper  
43 100  
58 60.0 29.9 89.8



#60  
Dibromochloromethane  
Concen: 158.120 ug/l  
RT: 10.920 min Scan# 1509  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 129 Resp: 359156  
Ion Ratio Lower Upper  
129 100  
127 76.6 39.2 117.6

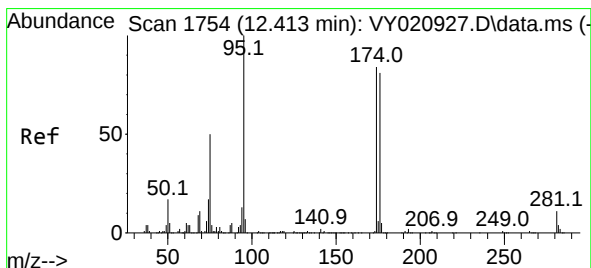
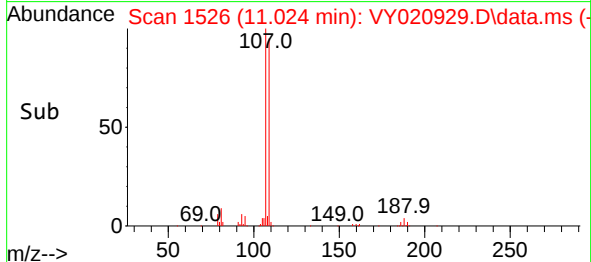
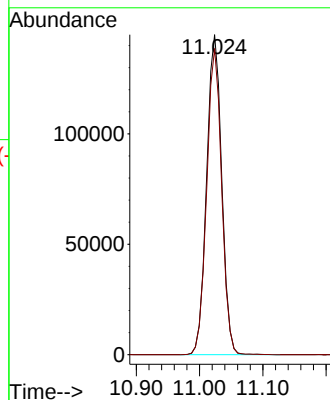
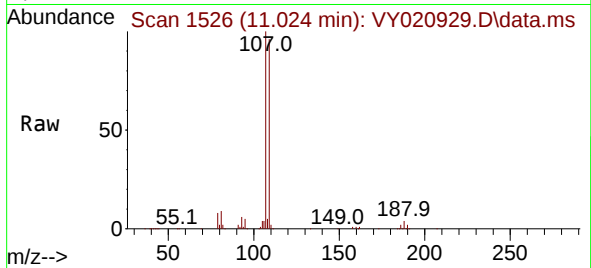




#61  
1,2-Dibromoethane  
Concen: 155.820 ug/l  
RT: 11.024 min Scan# 1526  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

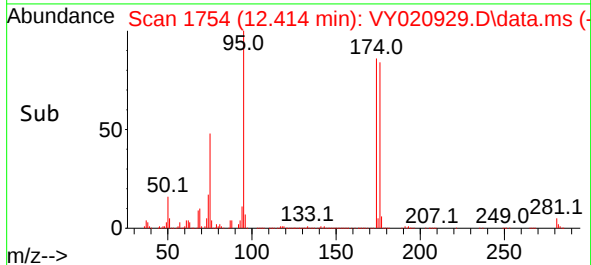
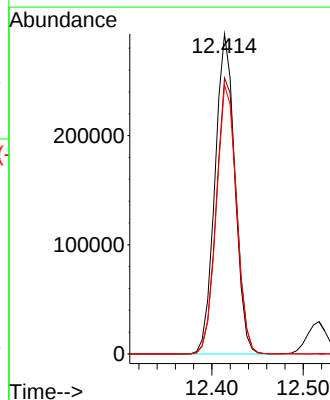
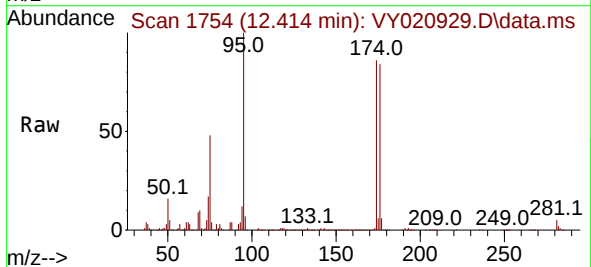
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

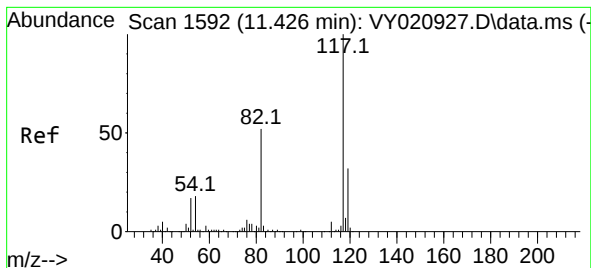
Tgt Ion:107 Resp: 240533  
Ion Ratio Lower Upper  
107 100  
109 94.7 76.3 114.5



#62  
4-Bromofluorobenzene  
Concen: 147.391 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 95 Resp: 441957  
Ion Ratio Lower Upper  
95 100  
174 87.9 0.0 177.4  
176 85.2 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

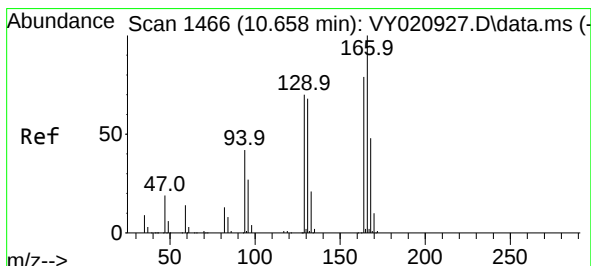
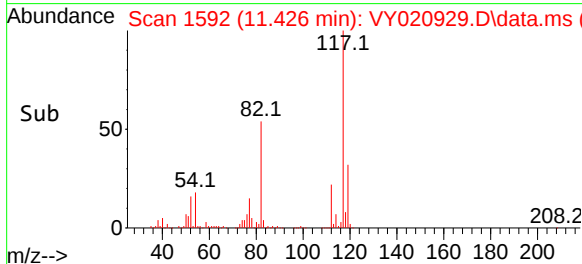
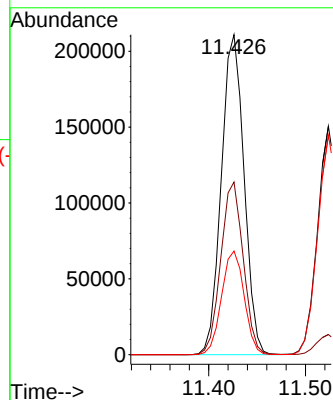
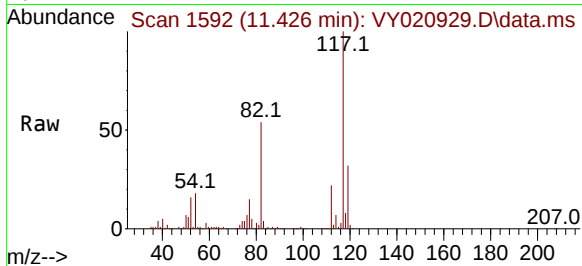
Tgt Ion:117 Resp: 343708

Ion Ratio Lower Upper

117 100

82 54.0 41.8 62.8

119 32.4 26.0 39.0



#64

Tetrachloroethene

Concen: 154.318 ug/l

RT: 10.658 min Scan# 1466

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Tgt Ion:164 Resp: 369115

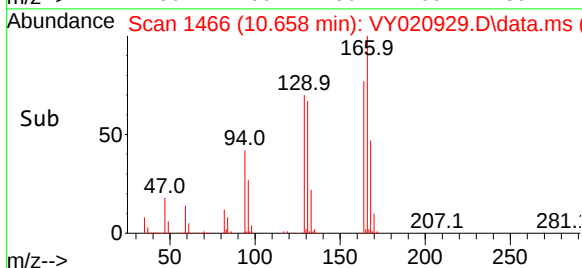
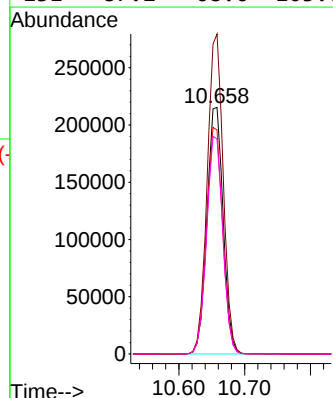
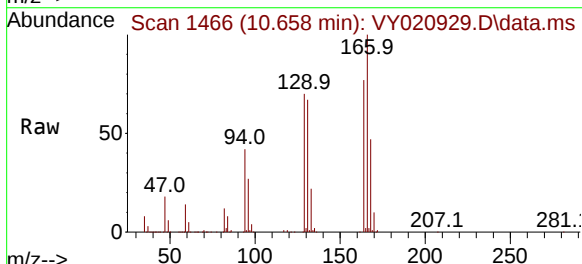
Ion Ratio Lower Upper

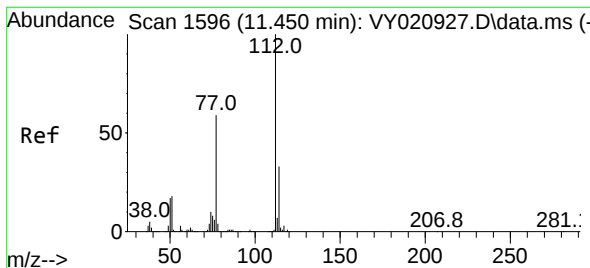
164 100

166 129.8 101.0 151.6

129 90.9 70.8 106.2

131 87.2 68.6 103.0





#65

Chlorobenzene

Concen: 155.201 ug/l

RT: 11.450 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

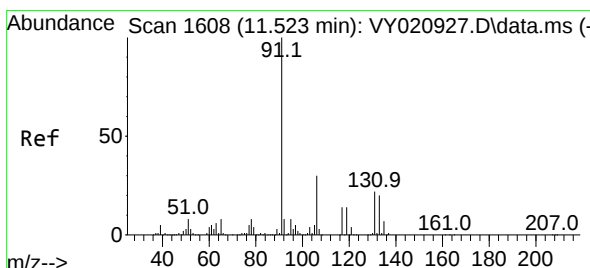
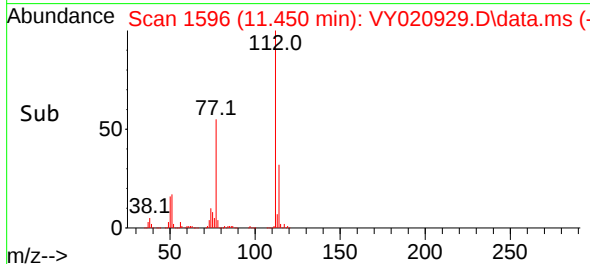
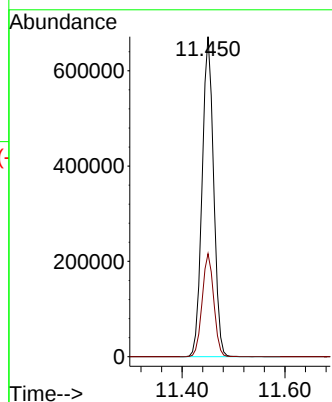
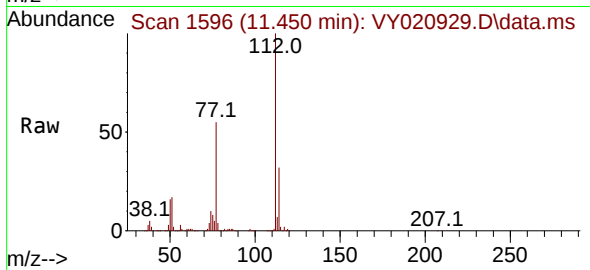
VSTDIC150

Tgt Ion:112 Resp: 1043145

Ion Ratio Lower Upper

112 100

114 32.2 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 153.997 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

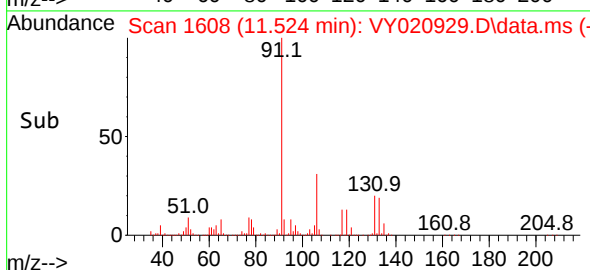
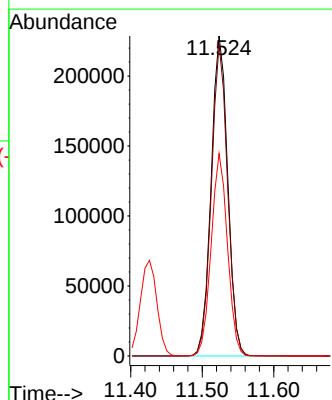
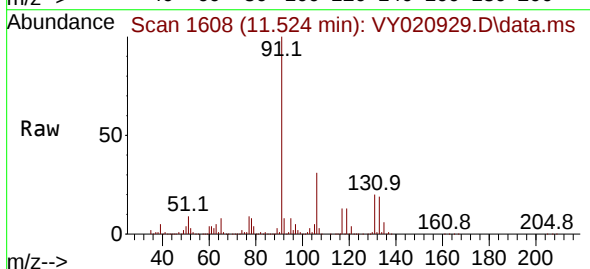
Tgt Ion:131 Resp: 367808

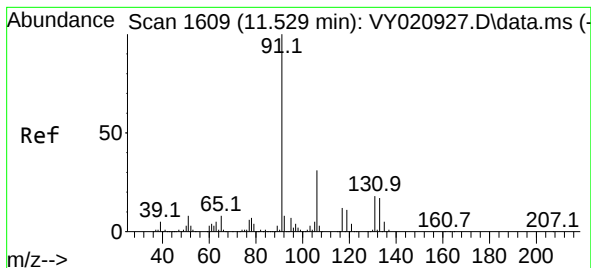
Ion Ratio Lower Upper

131 100

133 95.3 47.5 142.6

119 62.2 31.2 93.6





#67

Ethyl Benzene

Concen: 156.212 ug/l

RT: 11.524 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

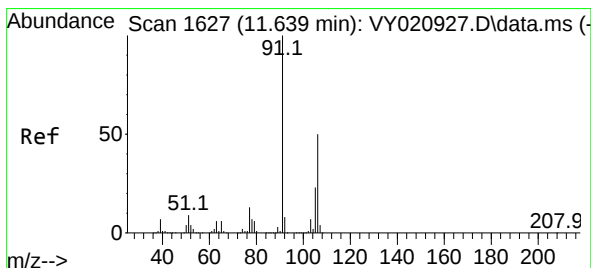
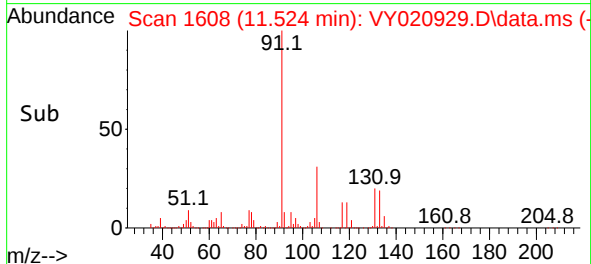
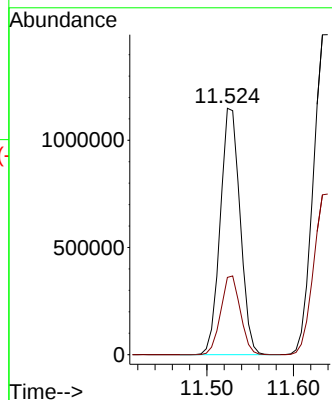
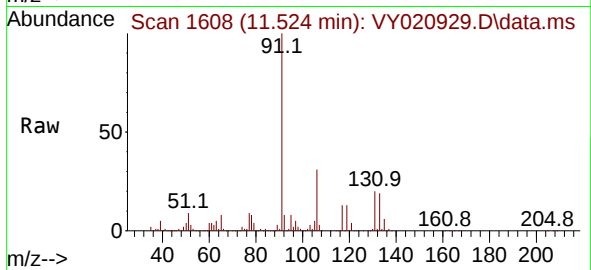
VSTDIC150

Tgt Ion: 91 Resp: 1832080

Ion Ratio Lower Upper

91 100

106 31.3 25.2 37.8



#68

m/p-Xylenes

Concen: 311.877 ug/l

RT: 11.639 min Scan# 1627

Delta R.T. 0.000 min

Lab File: VY020929.D

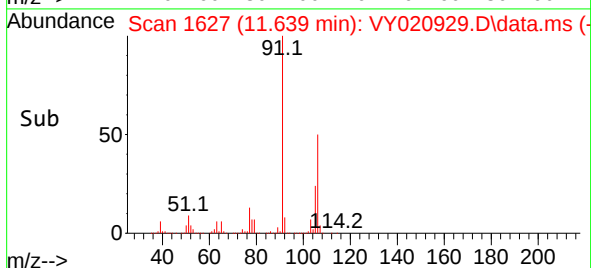
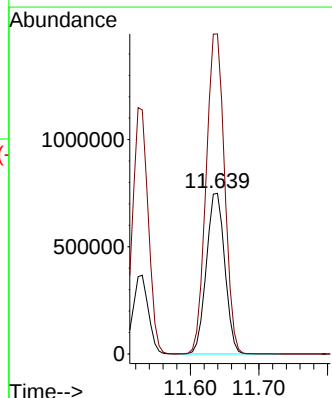
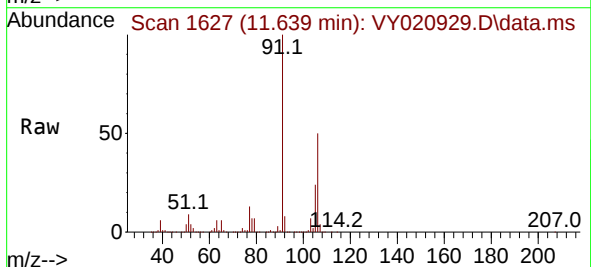
Acq: 24 Jan 2025 14:50

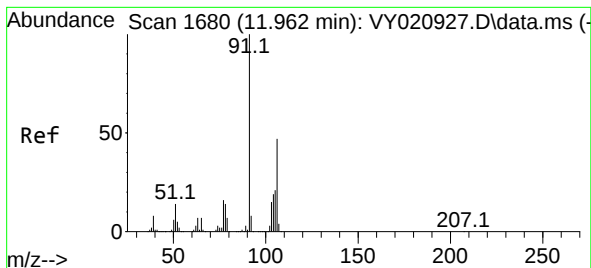
Tgt Ion:106 Resp: 1400598

Ion Ratio Lower Upper

106 100

91 199.3 159.5 239.3





#69

o-Xylene

Concen: 156.114 ug/l

RT: 11.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

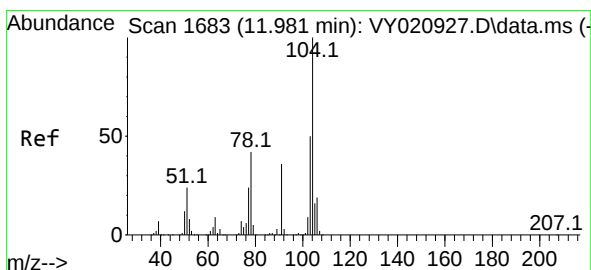
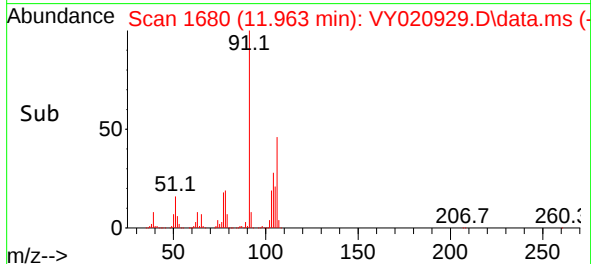
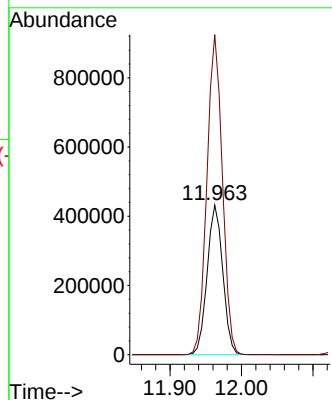
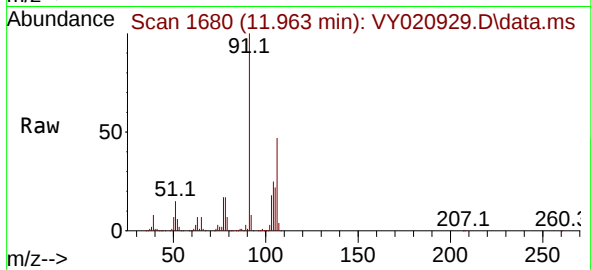
VSTDIC150

Tgt Ion:106 Resp: 654879

Ion Ratio Lower Upper

106 100

91 212.0 105.3 315.9



#70

Styrene

Concen: 157.680 ug/l

RT: 11.975 min Scan# 1682

Delta R.T. -0.006 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

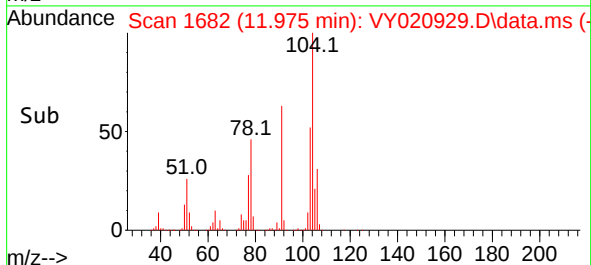
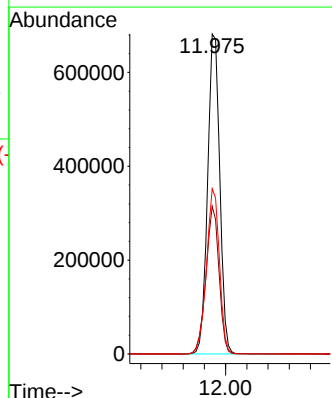
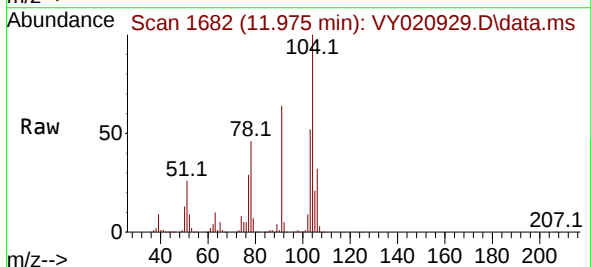
Tgt Ion:104 Resp: 1084023

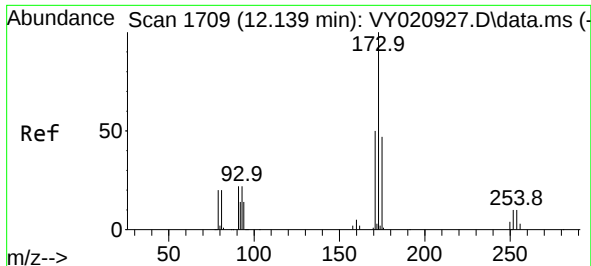
Ion Ratio Lower Upper

104 100

78 49.4 38.5 57.7

103 55.0 43.4 65.2

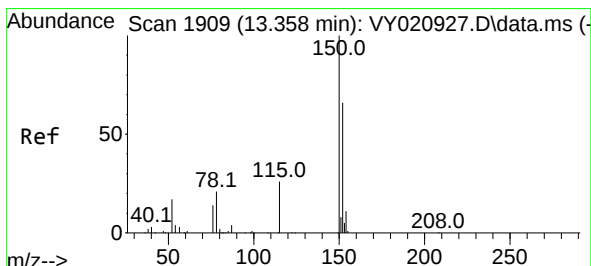
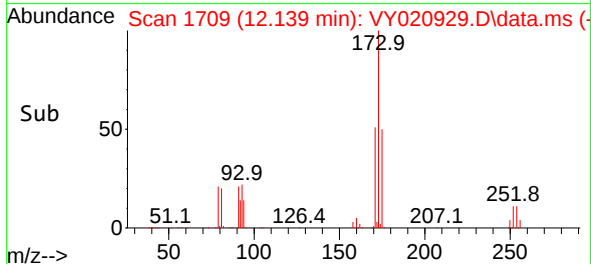
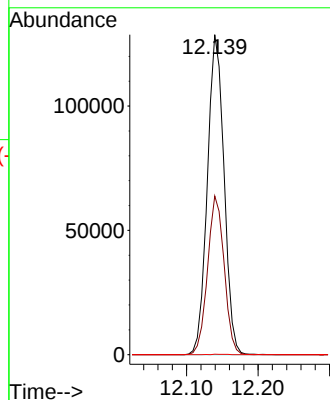
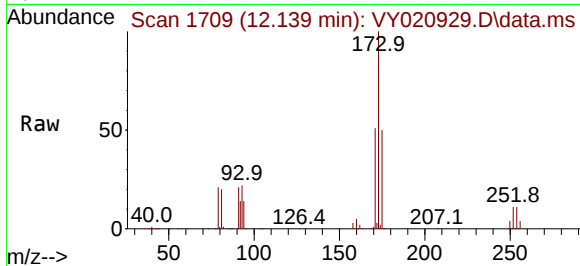




#71  
Bromoform  
Concen: 154.159 ug/l  
RT: 12.139 min Scan# 1709  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

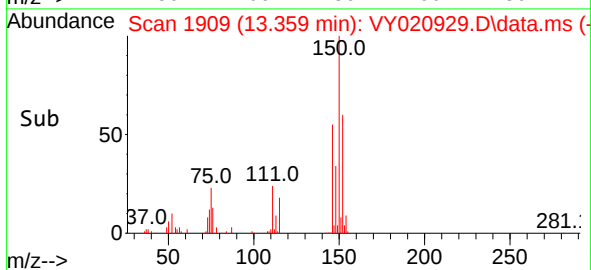
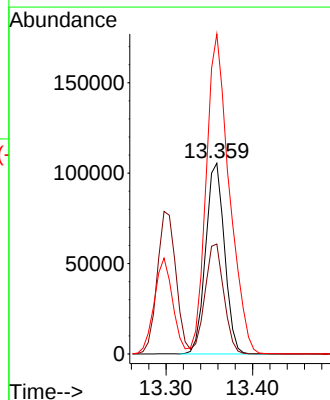
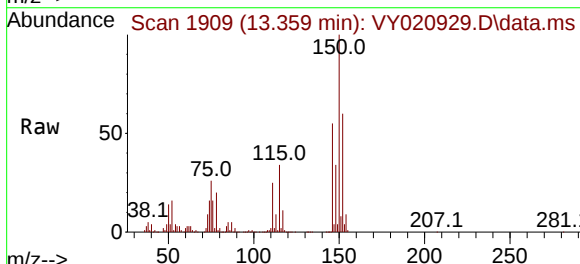
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

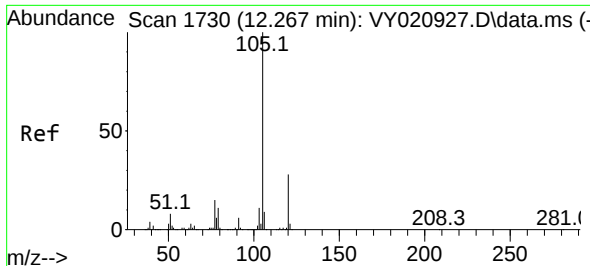
Tgt Ion:173 Resp: 208492  
Ion Ratio Lower Upper  
173 100  
175 49.3 24.3 73.0  
254 0.1 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.359 min Scan# 1909  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion:152 Resp: 159694  
Ion Ratio Lower Upper  
152 100  
115 57.5 29.0 87.0  
150 205.6 0.0 347.6

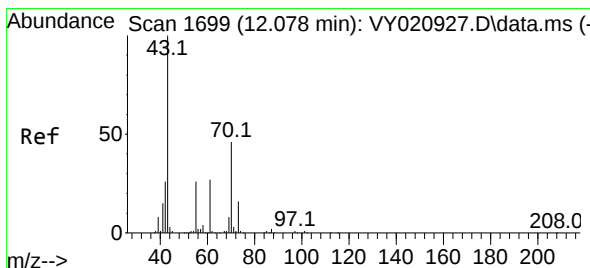
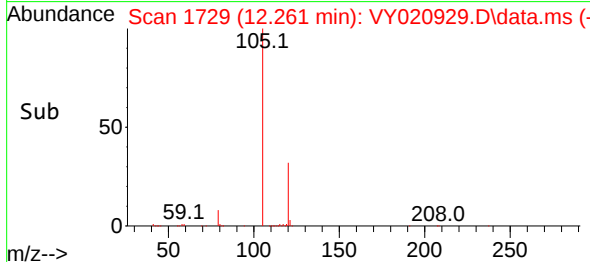
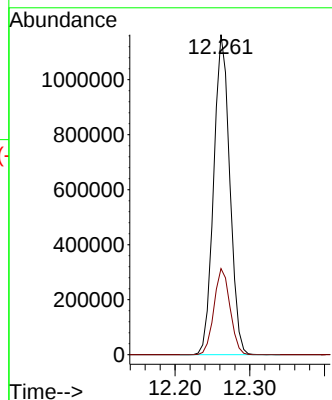
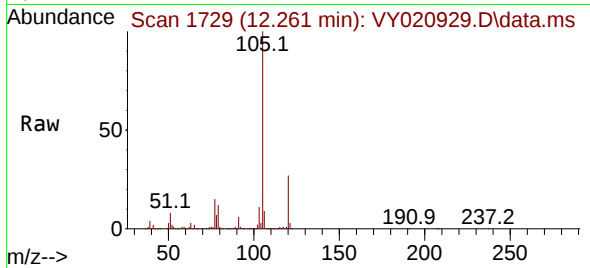




#73  
Isopropylbenzene  
Concen: 158.495 ug/l  
RT: 12.261 min Scan# 1729  
Delta R.T. -0.006 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

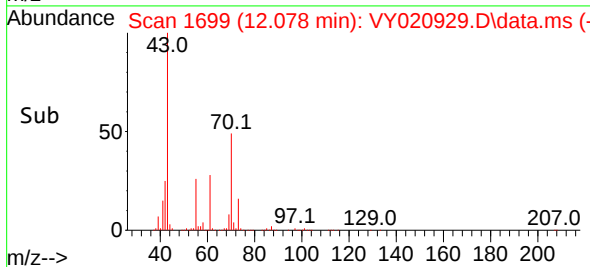
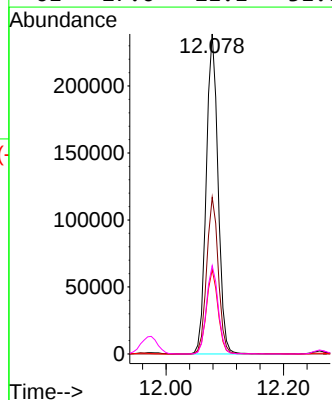
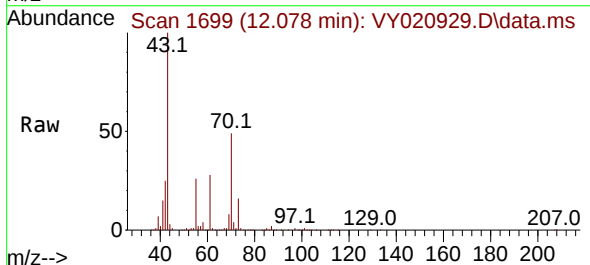
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

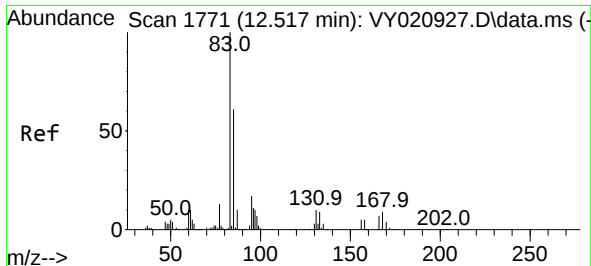
Tgt Ion:105 Resp: 1743202  
Ion Ratio Lower Upper  
105 100  
120 26.8 13.4 40.1



#74  
N-ethyl acetate  
Concen: 170.034 ug/l  
RT: 12.078 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 43 Resp: 332775  
Ion Ratio Lower Upper  
43 100  
70 48.5 38.7 58.1  
55 25.9 21.6 32.4  
61 27.6 21.1 31.7

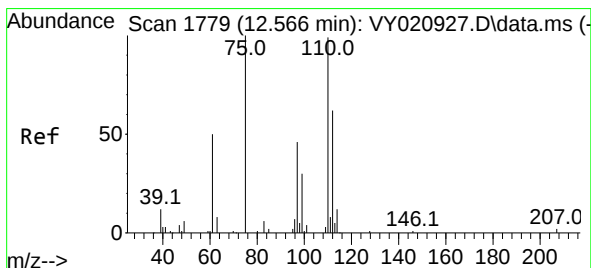
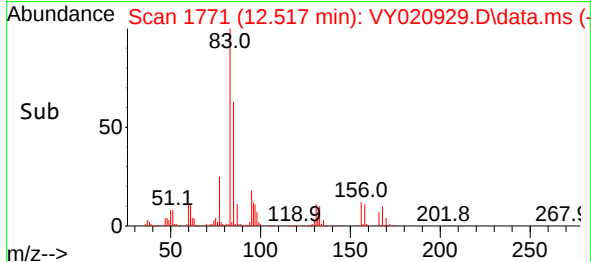
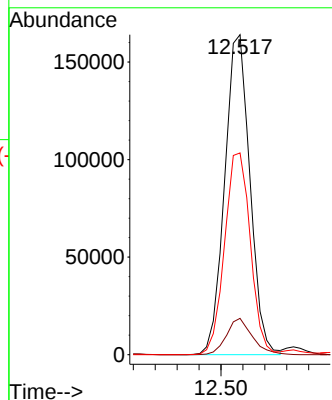
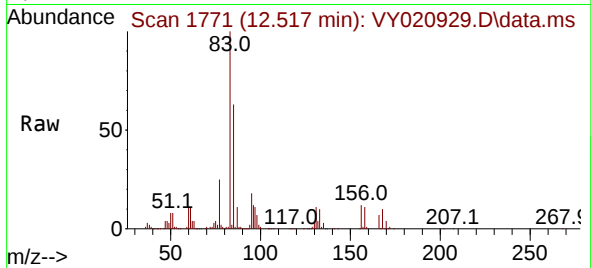




#75  
1,1,2,2-Tetrachloroethane  
Concen: 153.376 ug/l  
RT: 12.517 min Scan# 1771  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

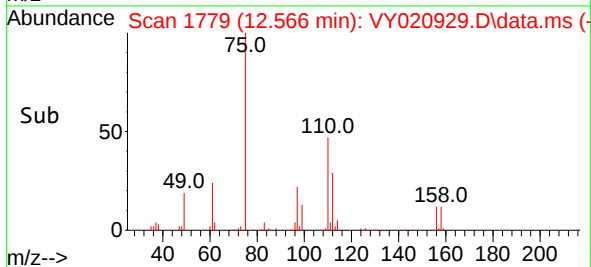
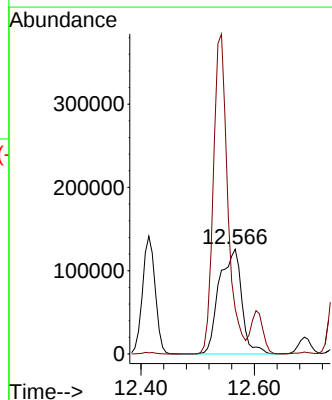
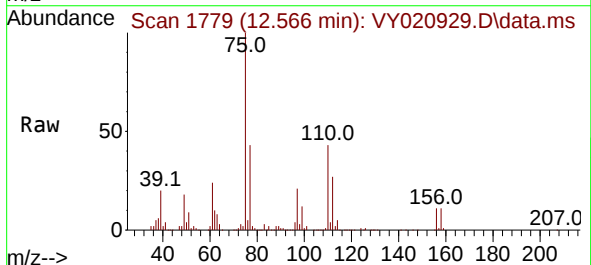
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

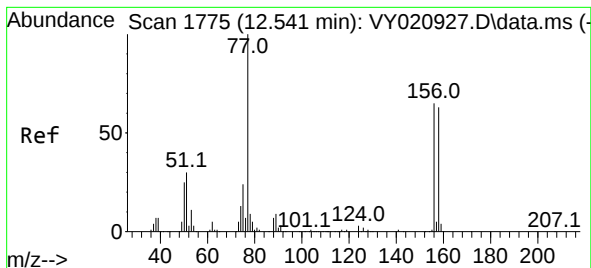
Tgt Ion: 83 Resp: 262465  
Ion Ratio Lower Upper  
83 100  
131 11.6 5.5 16.7  
85 64.5 31.8 95.4



#76  
1,2,3-Trichloropropane  
Concen: 306.427 ug/l  
RT: 12.566 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 75 Resp: 345986  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 158.485 ug/l

RT: 12.542 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

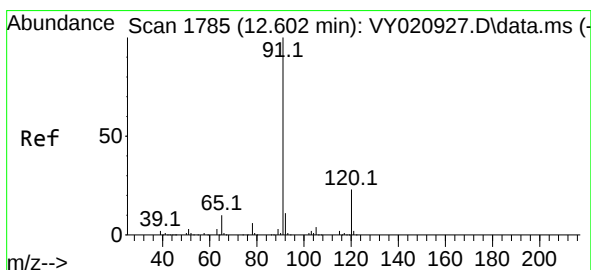
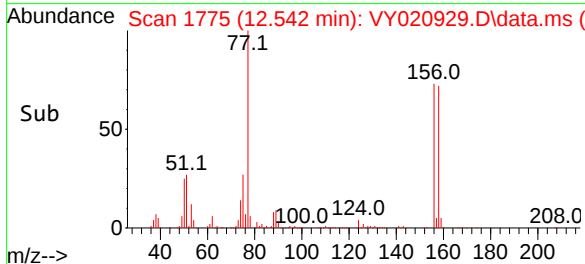
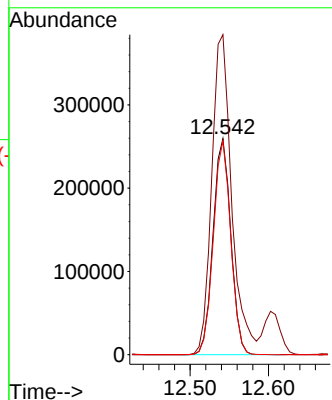
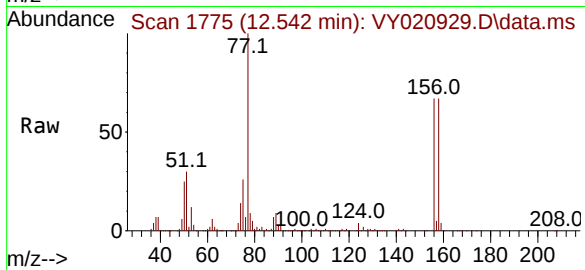
Tgt Ion:156 Resp: 408593

Ion Ratio Lower Upper

156 100

77 166.5 84.4 253.1

158 97.1 48.9 146.6



#78

n-propylbenzene

Concen: 156.282 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VY020929.D

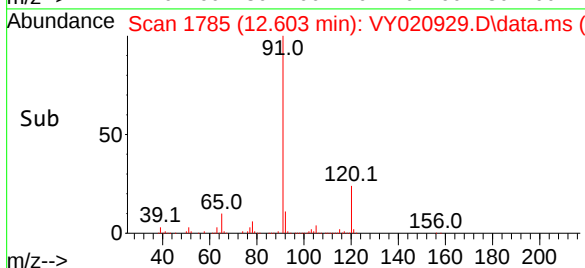
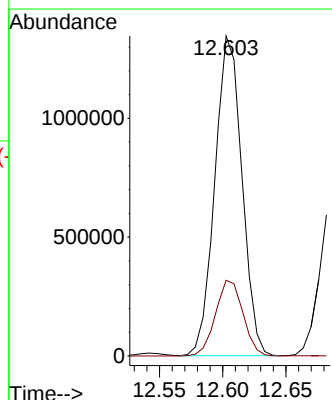
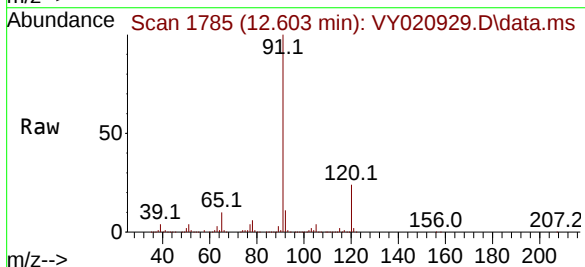
Acq: 24 Jan 2025 14:50

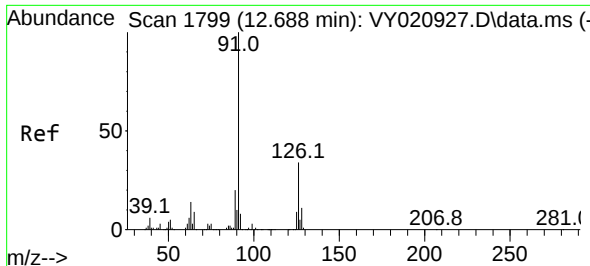
Tgt Ion: 91 Resp: 2002187

Ion Ratio Lower Upper

91 100

120 23.9 11.8 35.4

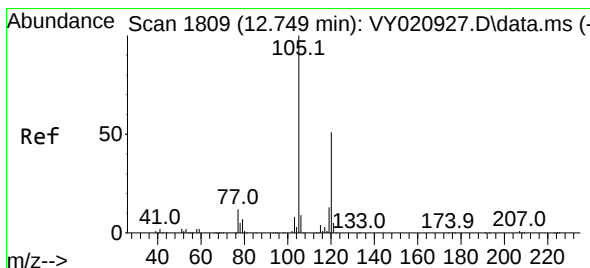
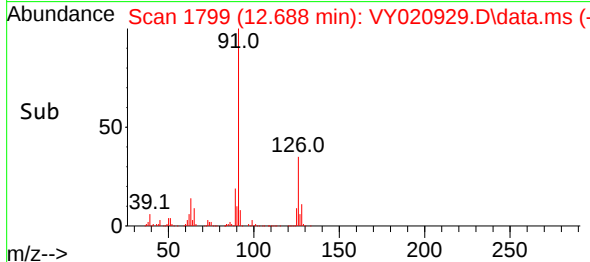
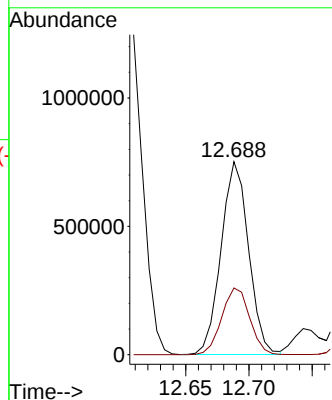
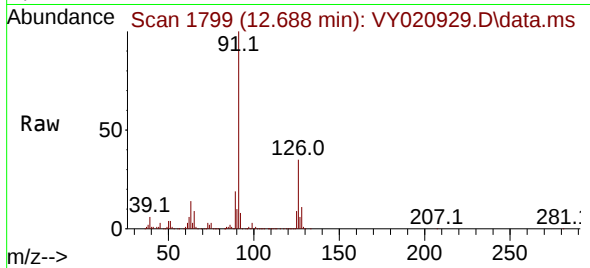




#79  
2-Chlorotoluene  
Concen: 156.460 ug/l  
RT: 12.688 min Scan# 1799  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

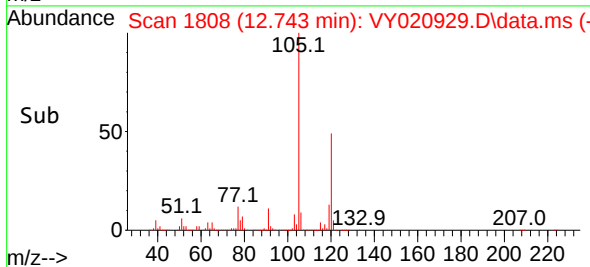
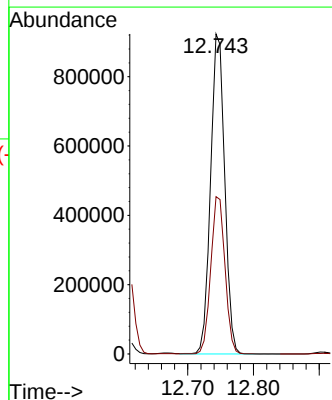
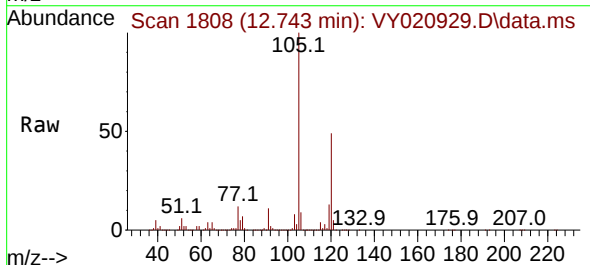
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

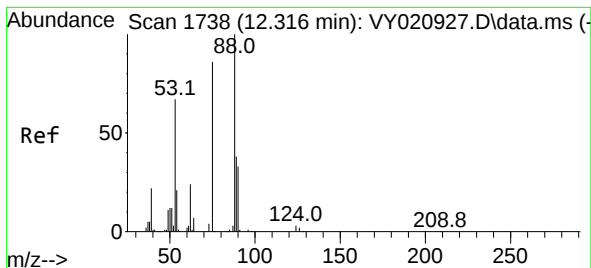
Tgt Ion: 91 Resp: 1136871  
Ion Ratio Lower Upper  
91 100  
126 35.2 17.6 52.9



#80  
1,3,5-Trimethylbenzene  
Concen: 156.003 ug/l  
RT: 12.743 min Scan# 1808  
Delta R.T. -0.006 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion:105 Resp: 1378679  
Ion Ratio Lower Upper  
105 100  
120 49.4 24.9 74.6

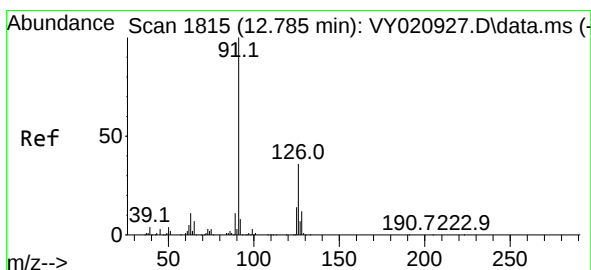
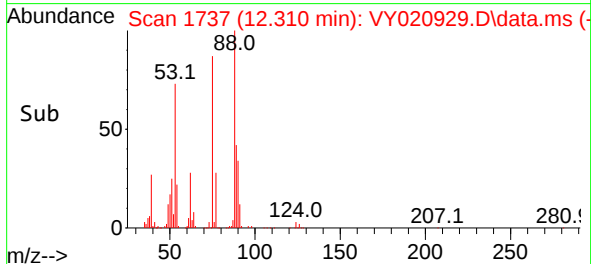
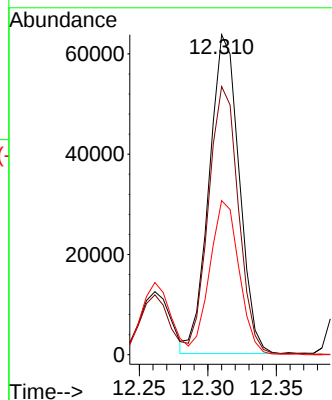
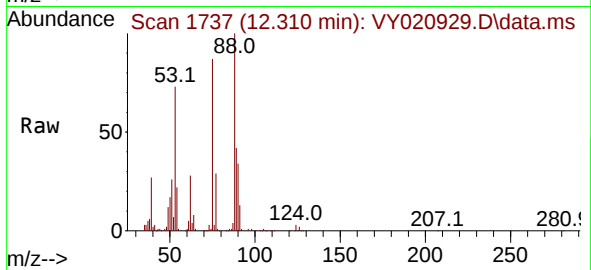




#81  
trans-1,4-Dichloro-2-butene  
Concen: 165.961 ug/l  
RT: 12.310 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

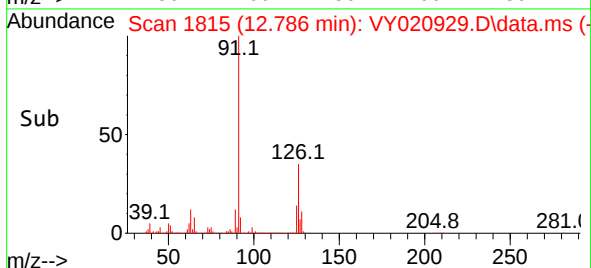
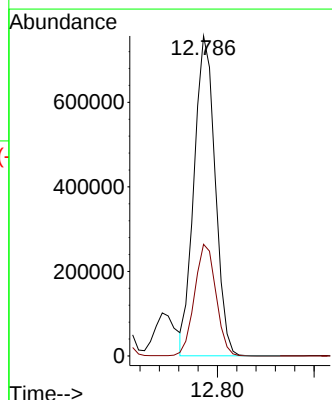
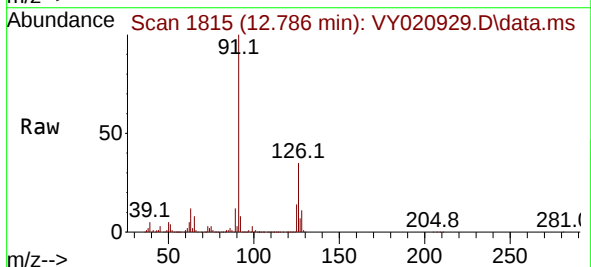
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

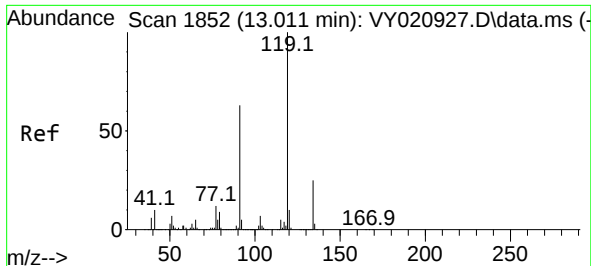
Tgt Ion: 75 Resp: 96991  
Ion Ratio Lower Upper  
75 100  
53 83.8 67.7 101.5  
89 47.3 38.4 57.6



#82  
4-Chlorotoluene  
Concen: 154.069 ug/l  
RT: 12.786 min Scan# 1815  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion: 91 Resp: 1143182  
Ion Ratio Lower Upper  
91 100  
126 35.6 17.4 52.3

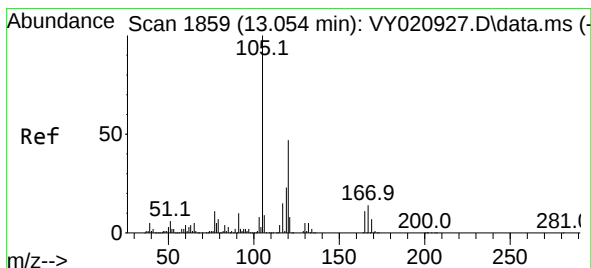
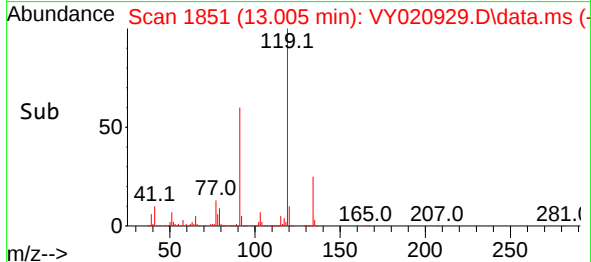
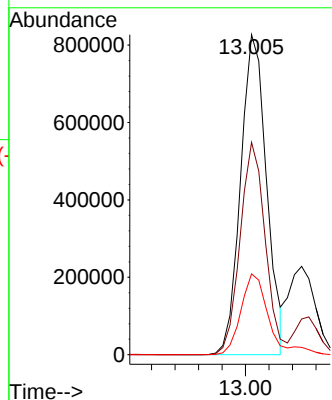
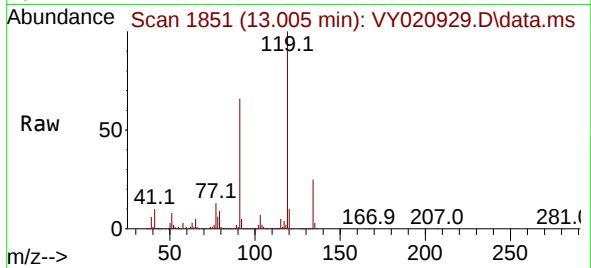




#83  
tert-Butylbenzene  
Concen: 155.515 ug/l  
RT: 13.005 min Scan# 1851  
Delta R.T. -0.006 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

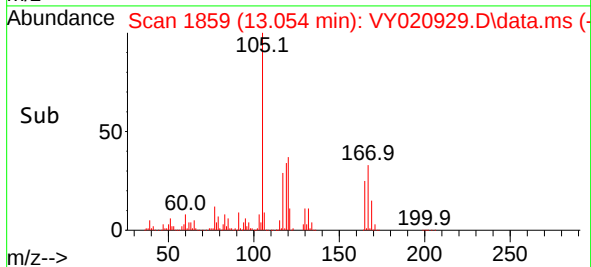
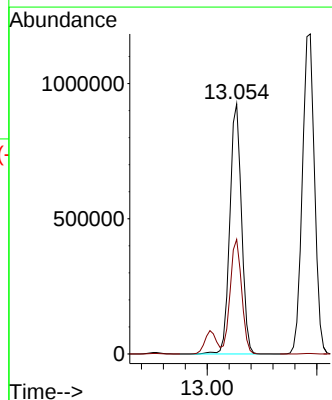
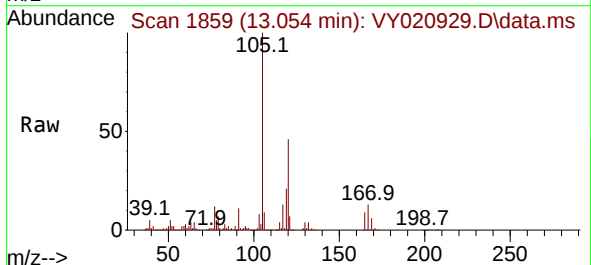
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

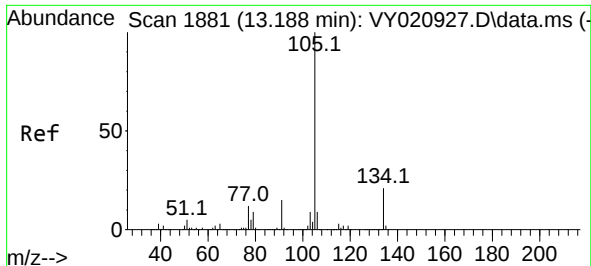
Tgt Ion:119 Resp: 1267671  
Ion Ratio Lower Upper  
119 100  
91 64.5 30.9 92.8  
134 27.1 13.1 39.3



#84  
1,2,4-Trimethylbenzene  
Concen: 157.334 ug/l  
RT: 13.054 min Scan# 1859  
Delta R.T. 0.000 min  
Lab File: VY020929.D  
Acq: 24 Jan 2025 14:50

Tgt Ion:105 Resp: 1368819  
Ion Ratio Lower Upper  
105 100  
120 45.5 22.9 68.7

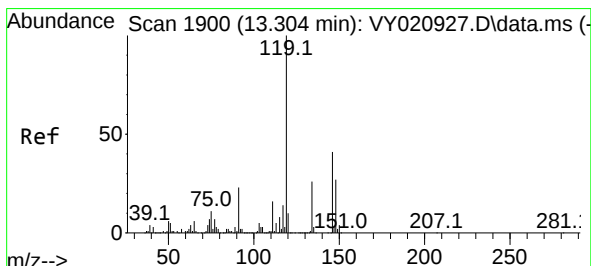
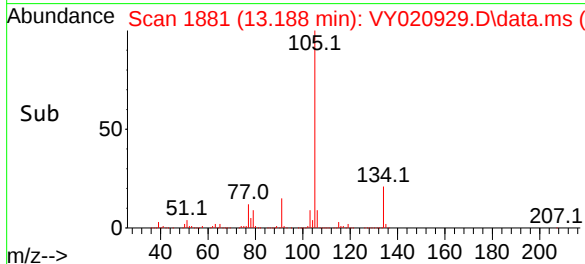
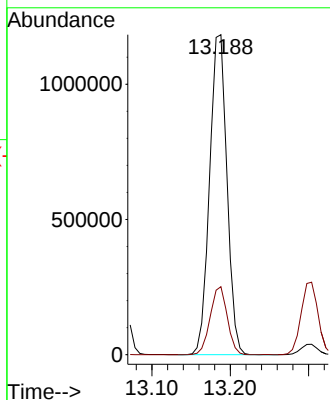
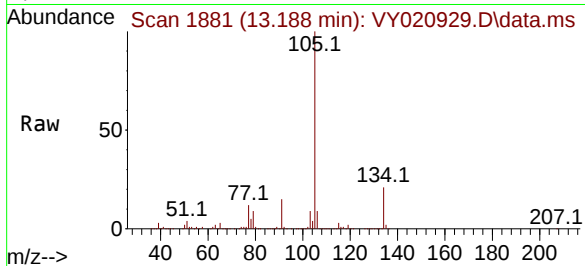




#85  
 sec-Butylbenzene  
 Concen: 156.460 ug/l  
 RT: 13.188 min Scan# 1881  
 Delta R.T. 0.000 min  
 Lab File: VY020929.D  
 Acq: 24 Jan 2025 14:50

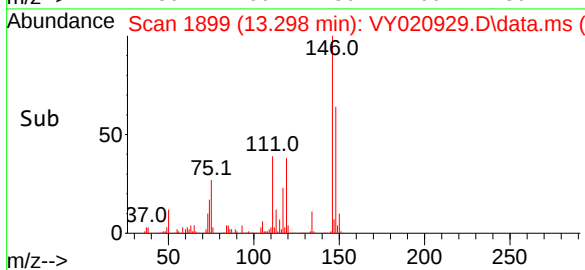
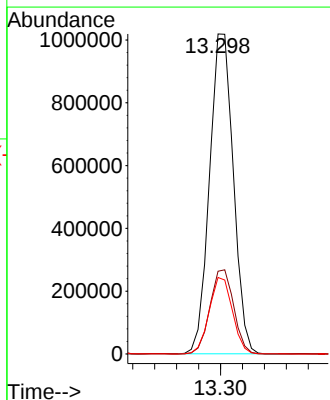
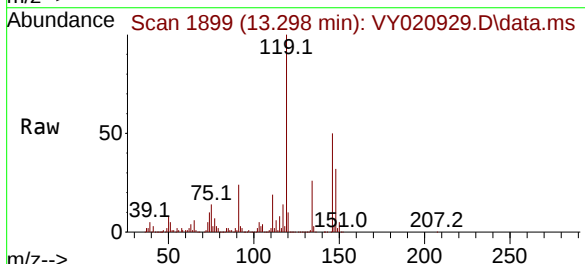
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

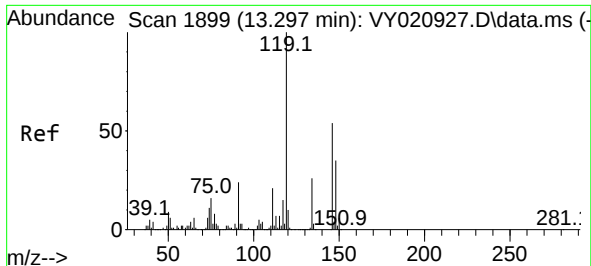
Tgt Ion:105 Resp: 1818367  
 Ion Ratio Lower Upper  
 105 100  
 134 20.9 10.4 31.4



#86  
 p-Isopropyltoluene  
 Concen: 156.824 ug/l  
 RT: 13.298 min Scan# 1899  
 Delta R.T. -0.006 min  
 Lab File: VY020929.D  
 Acq: 24 Jan 2025 14:50

Tgt Ion:119 Resp: 1539802  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 13.3 39.8  
 91 23.4 11.6 34.7

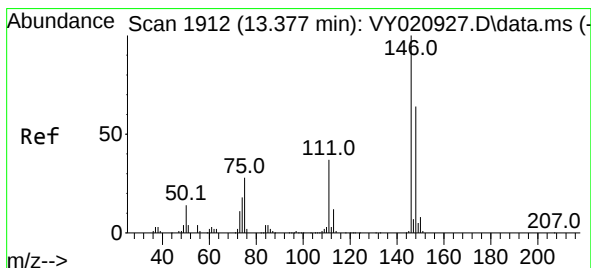
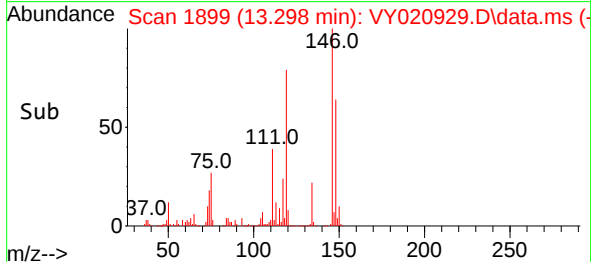
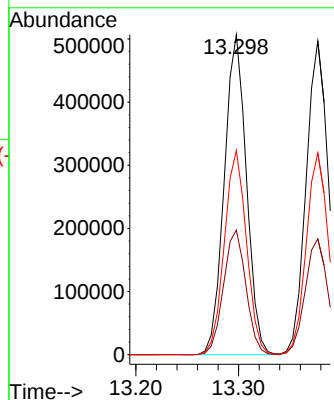
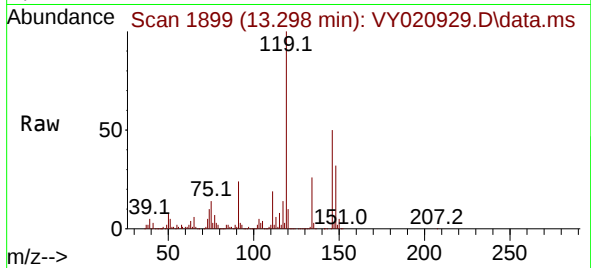




#87  
 1,3-Dichlorobenzene  
 Concen: 153.637 ug/l  
 RT: 13.298 min Scan# 1899  
 Delta R.T. 0.000 min  
 Lab File: VY020929.D  
 Acq: 24 Jan 2025 14:50

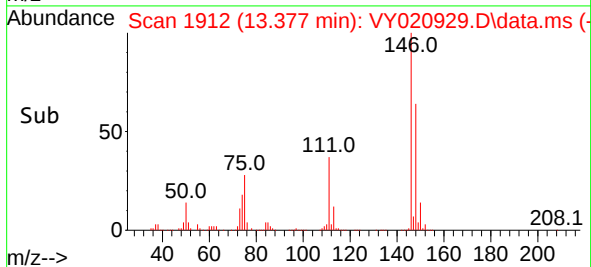
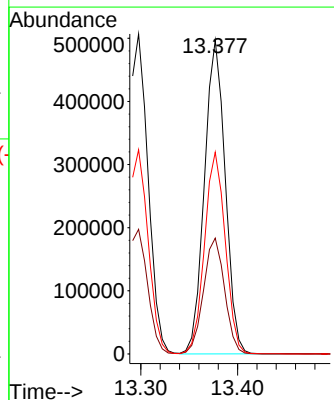
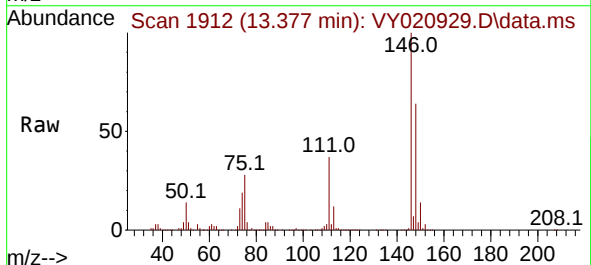
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

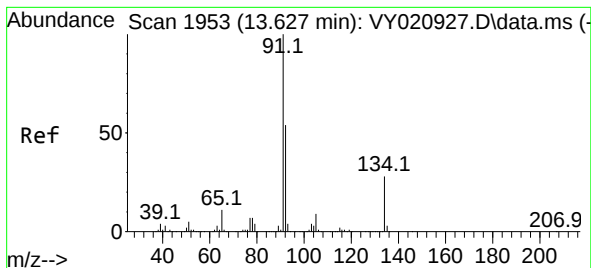
Tgt Ion:146 Resp: 758486  
 Ion Ratio Lower Upper  
 146 100  
 111 39.3 19.4 58.2  
 148 63.8 31.9 95.7



#88  
 1,4-Dichlorobenzene  
 Concen: 153.438 ug/l  
 RT: 13.377 min Scan# 1912  
 Delta R.T. 0.000 min  
 Lab File: VY020929.D  
 Acq: 24 Jan 2025 14:50

Tgt Ion:146 Resp: 744117  
 Ion Ratio Lower Upper  
 146 100  
 111 37.4 18.8 56.4  
 148 64.2 32.0 96.0





#89

n-Butylbenzene

Concen: 159.423 ug/l

RT: 13.627 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

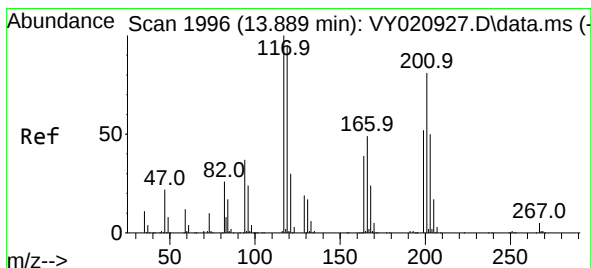
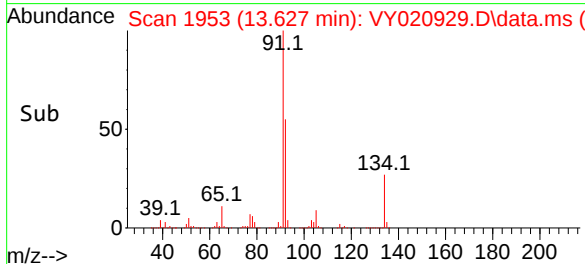
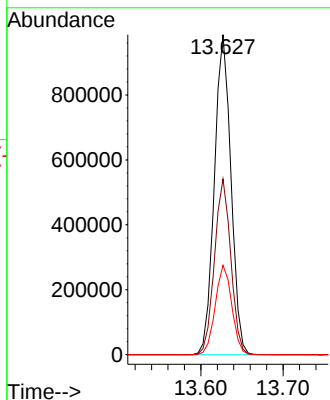
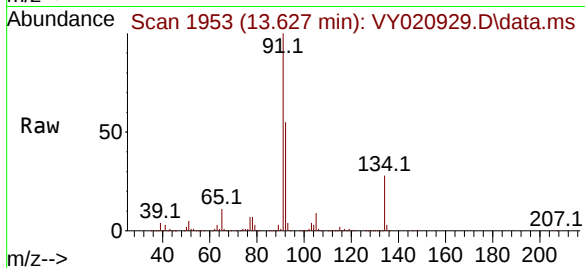
Tgt Ion: 91 Resp: 1380734

Ion Ratio Lower Upper

91 100

92 54.1 26.8 80.3

134 27.9 13.8 41.4



#90

Hexachloroethane

Concen: 160.650 ug/l

RT: 13.889 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VY020929.D

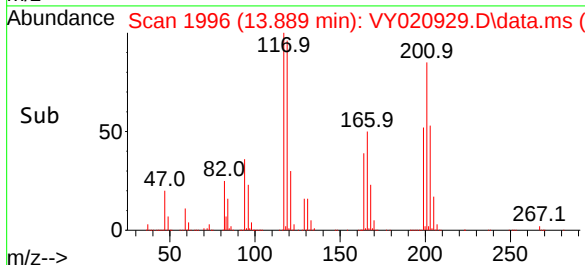
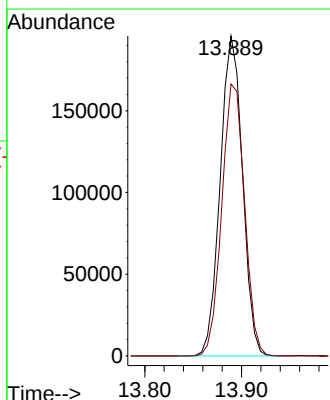
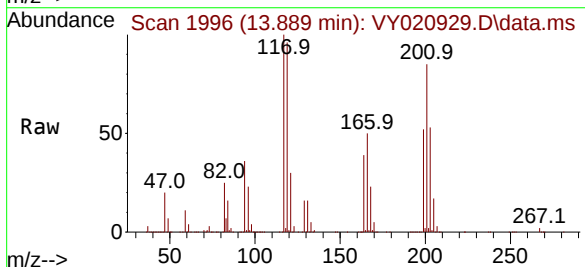
Acq: 24 Jan 2025 14:50

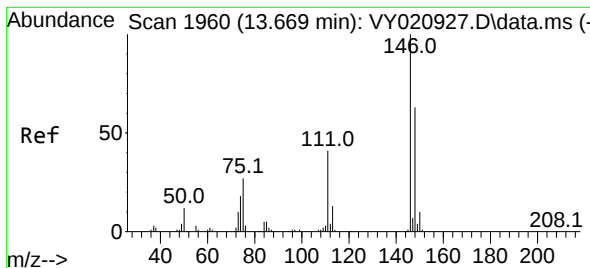
Tgt Ion: 117 Resp: 313343

Ion Ratio Lower Upper

117 100

201 86.7 42.7 128.1

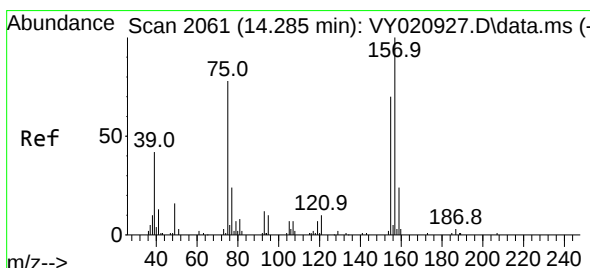
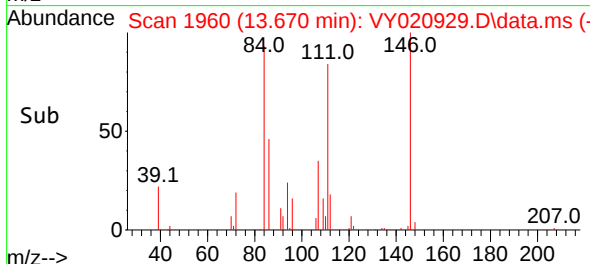
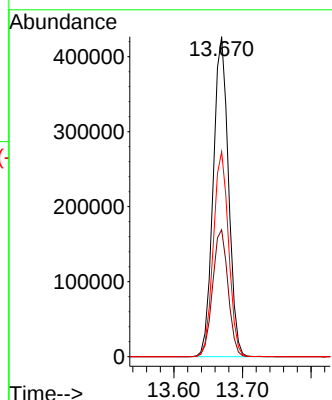
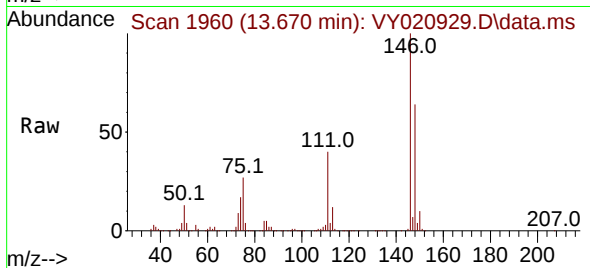




#91  
 1,2-Dichlorobenzene  
 Concen: 154.362 ug/l  
 RT: 13.670 min Scan# 1960  
 Delta R.T. 0.000 min  
 Lab File: VY020929.D  
 Acq: 24 Jan 2025 14:50

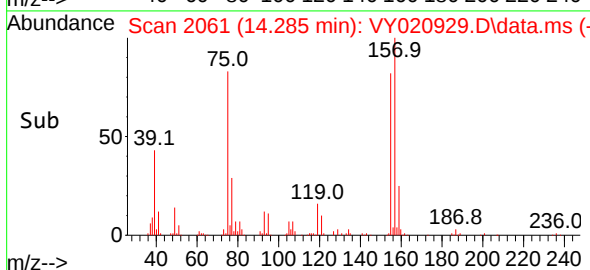
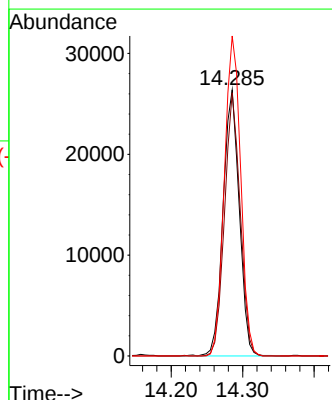
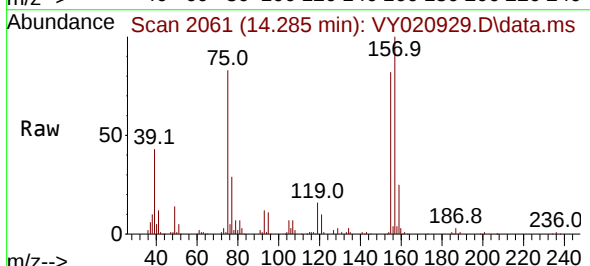
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

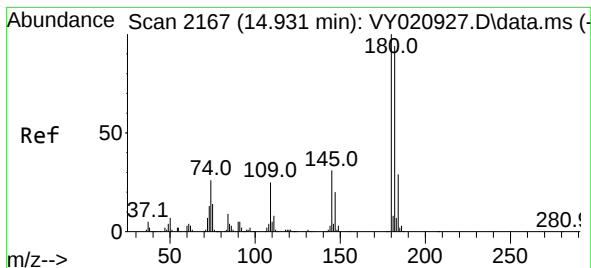
Tgt Ion:146 Resp: 660246  
 Ion Ratio Lower Upper  
 146 100  
 111 40.1 20.2 60.6  
 148 63.9 32.2 96.6



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 161.122 ug/l  
 RT: 14.285 min Scan# 2061  
 Delta R.T. 0.000 min  
 Lab File: VY020929.D  
 Acq: 24 Jan 2025 14:50

Tgt Ion: 75 Resp: 41420  
 Ion Ratio Lower Upper  
 75 100  
 155 95.5 46.6 139.7  
 157 121.0 60.1 180.3





#93

1,2,4-Trichlorobenzene

Concen: 174.595 ug/l

RT: 14.932 min Scan# 2167

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

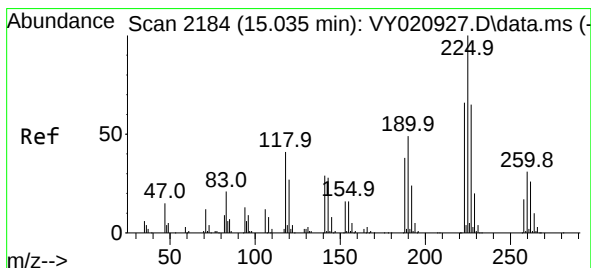
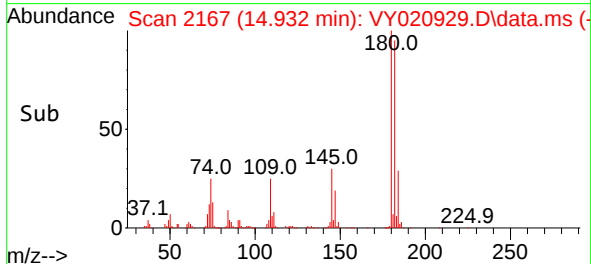
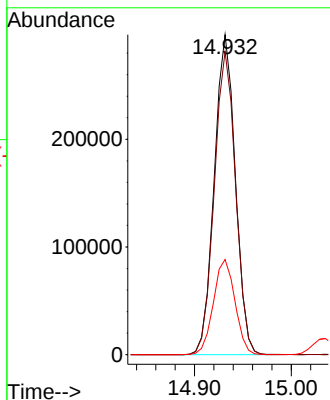
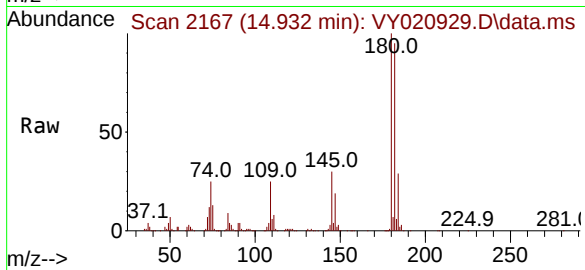
Tgt Ion:180 Resp: 449246

Ion Ratio Lower Upper

180 100

182 95.4 47.0 141.2

145 30.4 14.9 44.5



#94

Hexachlorobutadiene

Concen: 161.033 ug/l

RT: 15.035 min Scan# 2184

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

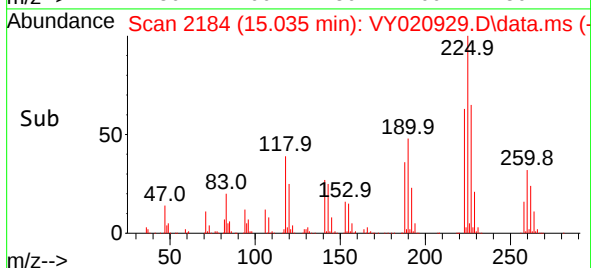
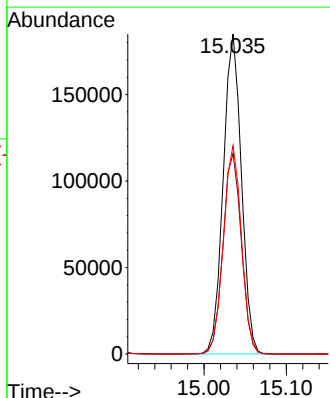
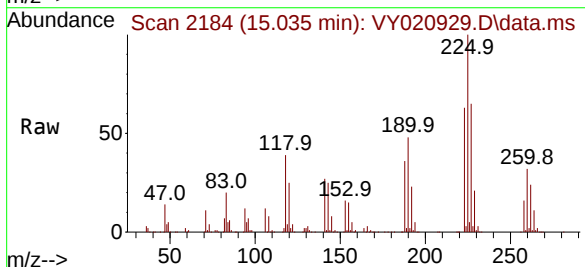
Tgt Ion:225 Resp: 283490

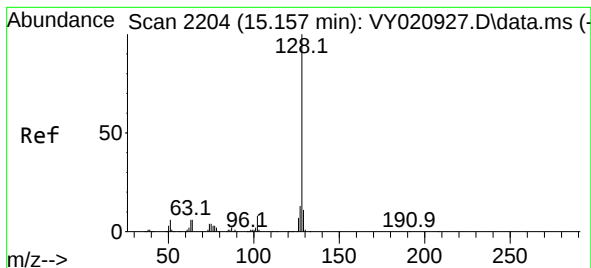
Ion Ratio Lower Upper

225 100

223 63.2 31.5 94.5

227 64.8 31.9 95.9





#95

Naphthalene

Concen: 187.684 ug/l

RT: 15.157 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

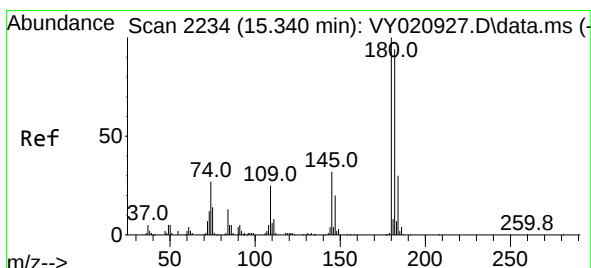
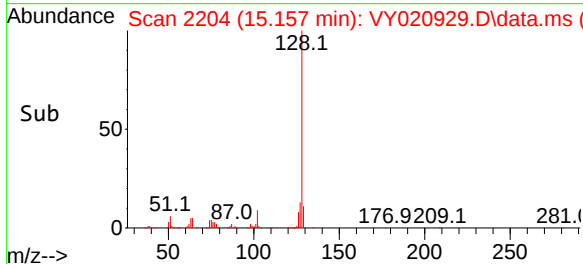
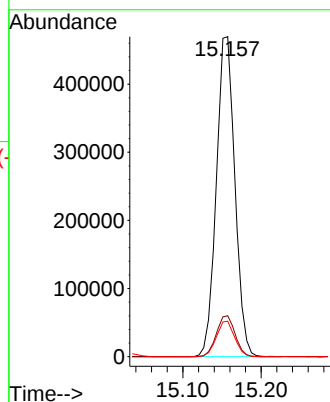
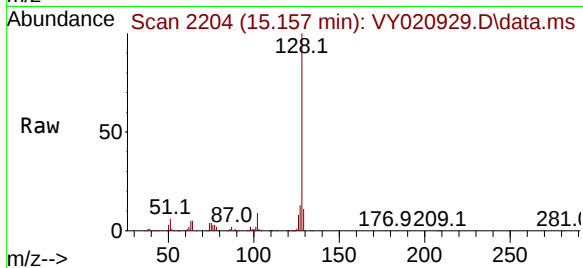
Tgt Ion:128 Resp: 774405

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.0 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 176.701 ug/l

RT: 15.340 min Scan# 2234

Delta R.T. 0.000 min

Lab File: VY020929.D

Acq: 24 Jan 2025 14:50

Tgt Ion:180 Resp: 381981

Ion Ratio Lower Upper

180 100

182 95.6 47.5 142.6

145 31.8 15.7 47.0

