

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103024\  
 Data File : VY020079.D  
 Acq On : 30 Oct 2024 14:29  
 Operator : SY/MD  
 Sample : VSTDICC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 31 15:39:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 15:23:13 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 250425   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 439442   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 392085   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 191175   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 334356   | 106.978  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 213.960%# |      |
| 35) Dibromofluoromethane    | 7.634  | 113   | 299098   | 107.052  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 214.100%# |      |
| 50) Toluene-d8              | 10.103 | 98    | 1212617  | 109.036  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 218.080%# |      |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 407188   | 112.722  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 225.440%# |      |

|                              |       |     |         |         |      |      |
|------------------------------|-------|-----|---------|---------|------|------|
| Target Compounds             |       |     |         | Qvalue  |      |      |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 228307  | 98.487  | ug/l | 98   |
| 3) Chloromethane             | 2.068 | 50  | 366223  | 95.376  | ug/l | 97   |
| 4) Vinyl Chloride            | 2.202 | 62  | 405238  | 98.308  | ug/l | 97   |
| 5) Bromomethane              | 2.592 | 94  | 260872  | 95.321  | ug/l | 98   |
| 6) Chloroethane              | 2.733 | 64  | 263815  | 99.168  | ug/l | 98   |
| 7) Trichlorofluoromethane    | 3.056 | 101 | 506774  | 100.637 | ug/l | 96   |
| 8) Diethyl Ether             | 3.452 | 74  | 148665  | 105.849 | ug/l | 74   |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 281087  | 99.519  | ug/l | 91   |
| 10) Methyl Iodide            | 4.007 | 142 | 289107  | 106.020 | ug/l | 90   |
| 11) Tert butyl alcohol       | 4.860 | 59  | 102524  | 456.034 | ug/l | # 81 |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 272143  | 100.704 | ug/l | # 80 |
| 13) Acrolein                 | 3.653 | 56  | 149511  | 534.233 | ug/l | 98   |
| 14) Allyl chloride           | 4.385 | 41  | 506132  | 103.808 | ug/l | # 89 |
| 15) Acrylonitrile            | 5.061 | 53  | 348902  | 545.735 | ug/l | 98   |
| 16) Acetone                  | 3.866 | 43  | 414042  | 569.644 | ug/l | # 85 |
| 17) Carbon Disulfide         | 4.104 | 76  | 917608  | 102.033 | ug/l | 99   |
| 18) Methyl Acetate           | 4.385 | 43  | 181329  | 106.328 | ug/l | # 86 |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 742574  | 109.223 | ug/l | 98   |
| 20) Methylene Chloride       | 4.616 | 84  | 299130  | 91.613  | ug/l | # 81 |
| 21) trans-1,2-Dichloroethene | 5.116 | 96  | 308673  | 101.280 | ug/l | 86   |
| 22) Diisopropyl ether        | 6.019 | 45  | 1086016 | 107.337 | ug/l | # 91 |
| 23) Vinyl Acetate            | 5.958 | 43  | 3189495 | 560.147 | ug/l | # 90 |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 598212  | 102.108 | ug/l | 96   |
| 25) 2-Butanone               | 6.890 | 43  | 549299  | 557.514 | ug/l | # 84 |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 493900  | 101.322 | ug/l | 95   |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 370675  | 105.803 | ug/l | 84   |
| 28) Bromochloromethane       | 7.244 | 49  | 277089  | 101.006 | ug/l | # 72 |
| 29) Tetrahydrofuran          | 7.262 | 42  | 320026  | 562.831 | ug/l | # 82 |
| 30) Chloroform               | 7.421 | 83  | 599049  | 103.041 | ug/l | 99   |
| 31) Cyclohexane              | 7.701 | 56  | 547474  | 96.525  | ug/l | 89   |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 521551  | 102.754 | ug/l | 94   |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 449890  | 104.237 | ug/l | 94   |
| 37) Ethyl Acetate            | 6.988 | 43  | 223721  | 108.722 | ug/l | # 94 |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 456363  | 105.150 | ug/l | 99   |
| 39) Methylcyclohexane        | 9.109 | 83  | 584361  | 106.678 | ug/l | # 87 |
| 40) Benzene                  | 8.079 | 78  | 1321405 | 104.892 | ug/l | 100  |

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 Sample : VSTDIC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 31 15:39:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 15:23:13 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.213  | 41   | 116421   | 112.943  | ug/l   | 87       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 373520   | 107.116  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 447889   | 113.190  | ug/l # | 78       |
| 44) Trichloroethene           | 8.866  | 130  | 305872   | 104.759  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 318959   | 105.824  | ug/l   | 97       |
| 46) Dibromomethane            | 9.231  | 93   | 175876   | 107.692  | ug/l   | 88       |
| 47) Bromodichloromethane      | 9.420  | 83   | 461878   | 107.956  | ug/l # | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 214211   | 116.873  | ug/l # | 80       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 39210    | 2331.987 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43   | 1181631  | 579.545  | ug/l   | 90       |
| 52) Toluene                   | 10.170 | 92   | 837777   | 107.884  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 427557   | 113.169  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 503580   | 111.673  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 225678   | 111.140  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 347881   | 119.433  | ug/l # | 75       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 407824   | 109.673  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 816231   | 568.215  | ug/l   | 92       |
| 59) 2-Hexanone                | 10.755 | 43   | 870879   | 595.784  | ug/l   | 87       |
| 60) Dibromochloromethane      | 10.908 | 129  | 291690   | 112.692  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 204752   | 108.533  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 269475   | 104.092  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.438 | 112  | 873808   | 104.593  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131  | 286476   | 107.328  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.518 | 91   | 1657653  | 106.144  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 1221696  | 213.817  | ug/l   | 91       |
| 69) o-Xylene                  | 11.950 | 106  | 584516   | 108.052  | ug/l   | 92       |
| 70) Styrene                   | 11.969 | 104  | 987405   | 110.395  | ug/l   | 95       |
| 71) Bromoform                 | 12.127 | 173  | 158309   | 115.611  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.255 | 105  | 1567277  | 102.623  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.066 | 43   | 441898   | 115.753  | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 277920   | 104.054  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 358569   | 200.087  | ug/l # | 100      |
| 77) Bromobenzene              | 12.530 | 156  | 322208   | 104.321  | ug/l   | 84       |
| 78) n-propylbenzene           | 12.591 | 91   | 1942949  | 102.223  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 1075903  | 101.977  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 12.731 | 105  | 1265627  | 103.225  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 91153    | 109.408  | ug/l # | 85       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 1110438  | 103.226  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 12.993 | 119  | 1104057  | 102.978  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 1276373  | 105.103  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 1697744  | 103.150  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 1382922  | 104.706  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 651160   | 103.779  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 637014   | 101.947  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.615 | 91   | 1400648  | 105.789  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 272543   | 104.340  | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 566909   | 103.946  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 43753    | 108.017  | ug/l   | 76       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 330713   | 112.878  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 173634   | 108.380  | ug/l   | 99       |
| 95) Naphthalene               | 15.139 | 128  | 672775   | 122.843  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 281747   | 113.288  | ug/l   | 98       |

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Operator : SY/MD  
Sample : VSTDICC100  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

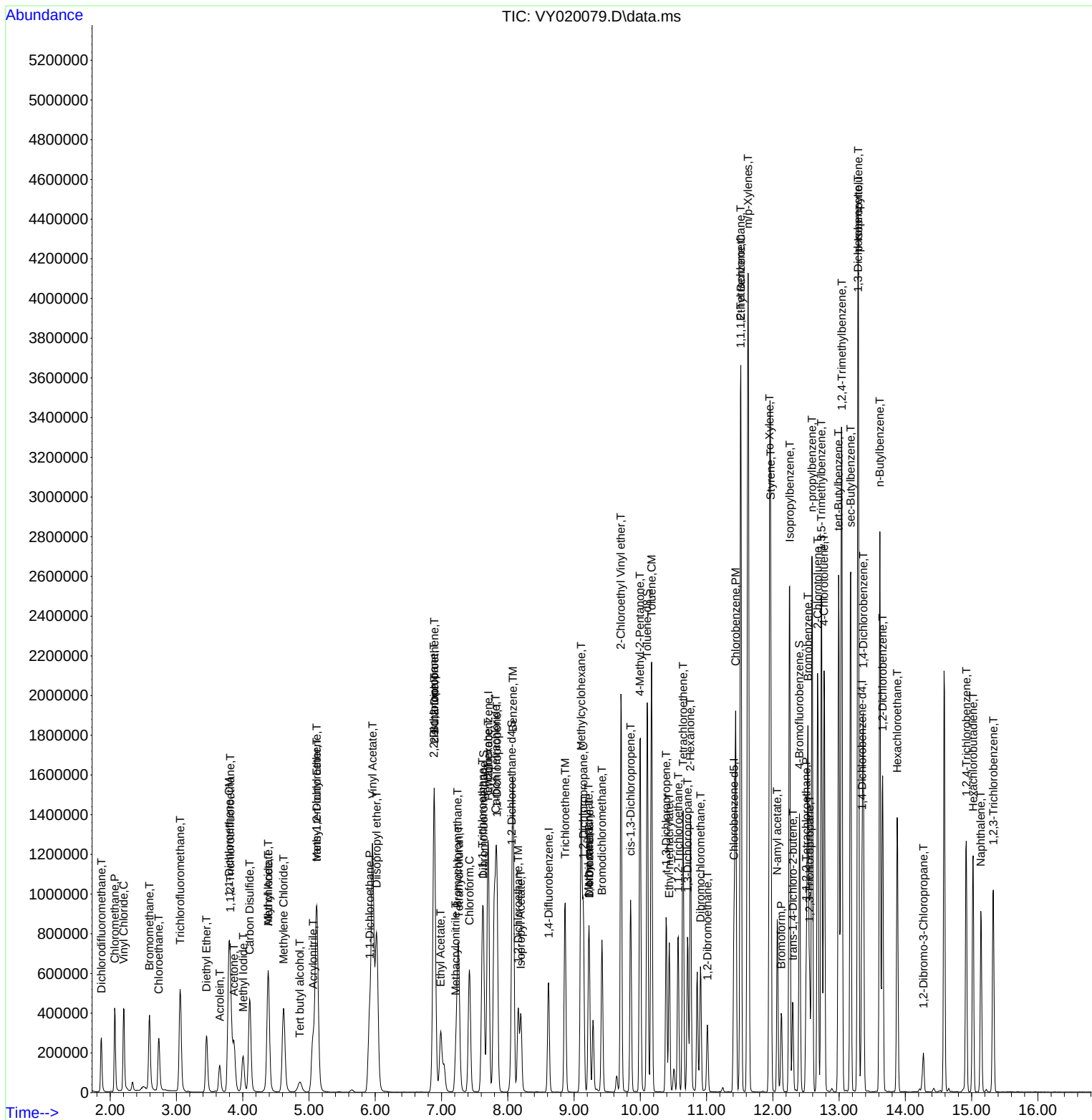
Instrument :  
MSVOA\_Y  
ClientSampleId :

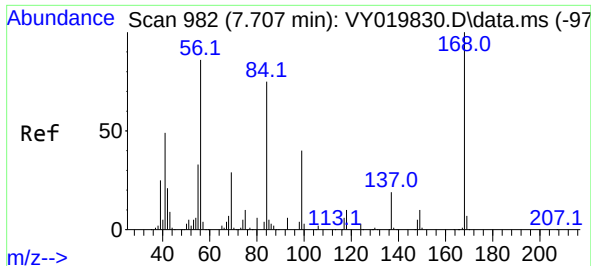
Quant Time: Oct 31 15:39:44 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 15:23:13 2024  
Response via : Initial Calibration

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

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

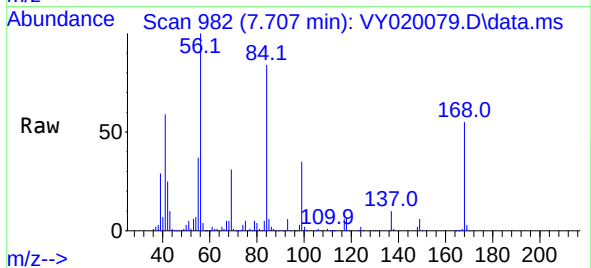
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 15:23:13 2024  
Response via : Initial Calibration



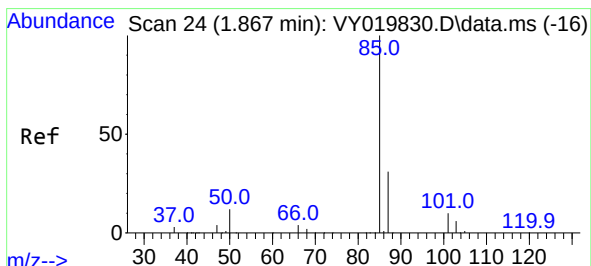
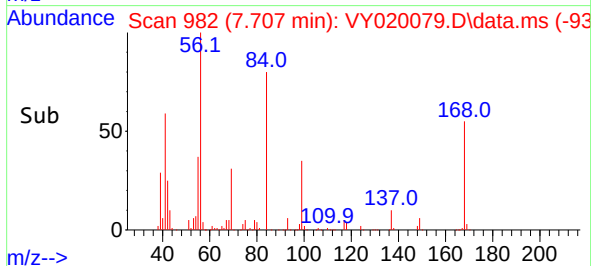
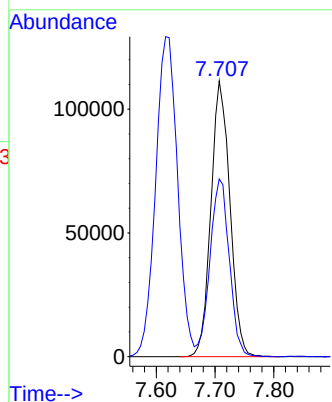


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Instrument :  
MSVOA\_Y  
ClientSampleId :

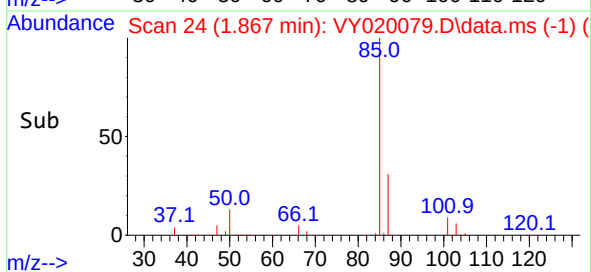
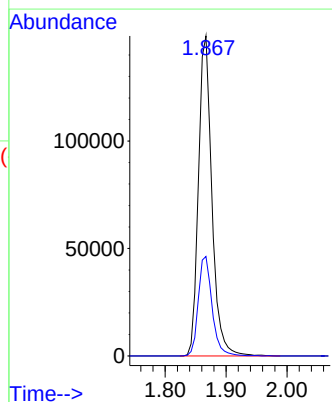
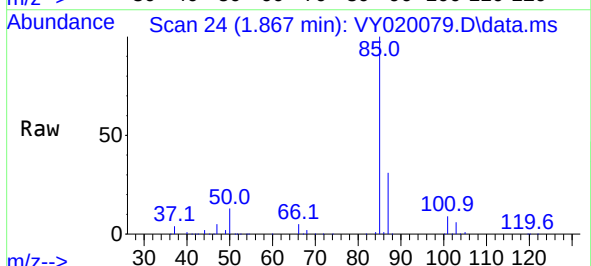


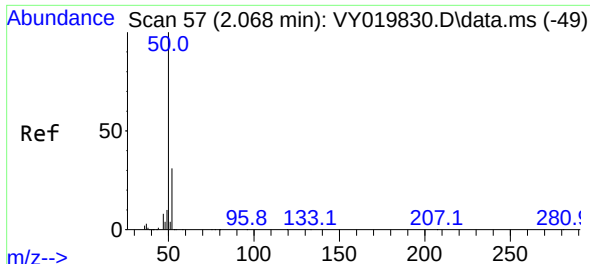
Tgt Ion:168 Resp: 250425  
Ion Ratio Lower Upper  
168 100  
99 64.4 39.1 58.7#



#2  
Dichlorodifluoromethane  
Concen: 98.487 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. 0.001 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 85 Resp: 228307  
Ion Ratio Lower Upper  
85 100  
87 31.1 16.0 48.0

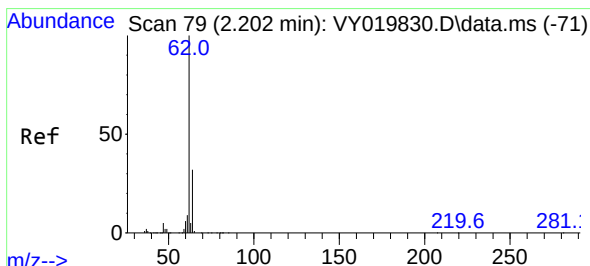
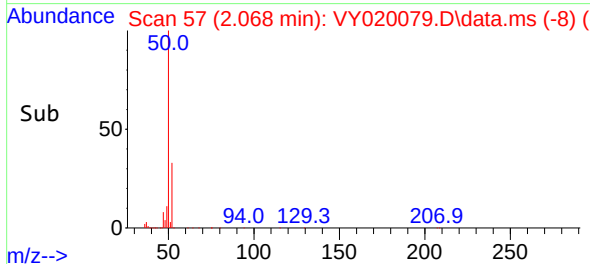
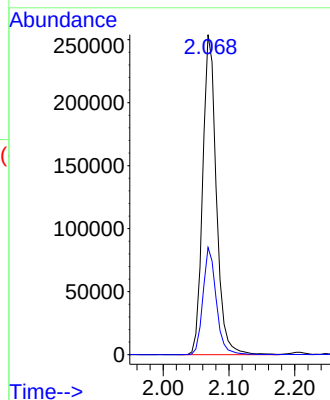
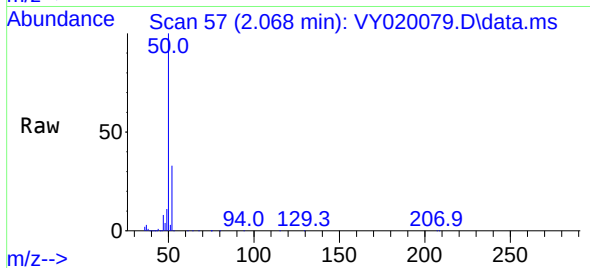




#3  
Chloromethane  
Concen: 95.376 ug/l  
RT: 2.068 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

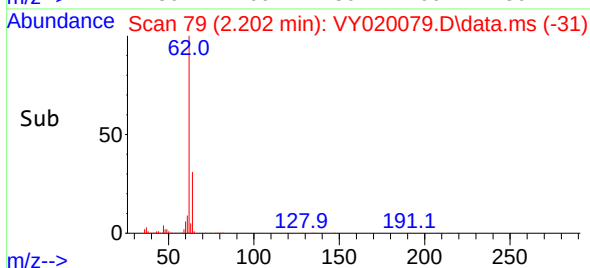
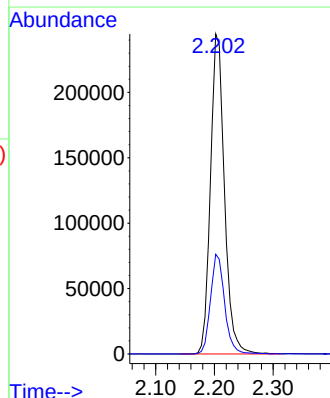
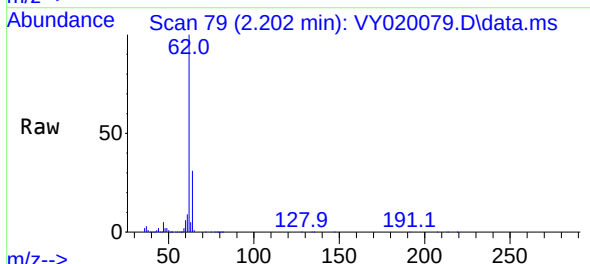
Instrument :  
MSVOA\_Y  
ClientSampleId :

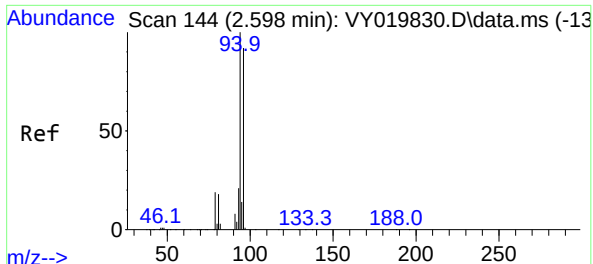
Tgt Ion: 50 Resp: 366223  
Ion Ratio Lower Upper  
50 100  
52 33.5 25.6 38.4



#4  
Vinyl Chloride  
Concen: 98.308 ug/l  
RT: 2.202 min Scan# 79  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 62 Resp: 405238  
Ion Ratio Lower Upper  
62 100  
64 31.1 26.1 39.1

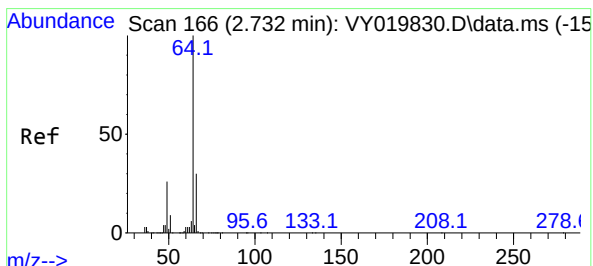
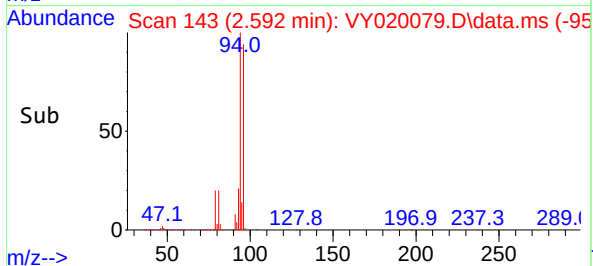
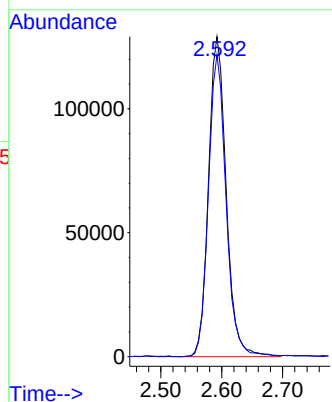
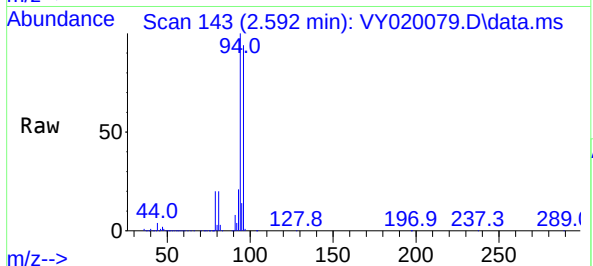




#5  
Bromomethane  
Concen: 95.321 ug/l  
RT: 2.592 min Scan# 144  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

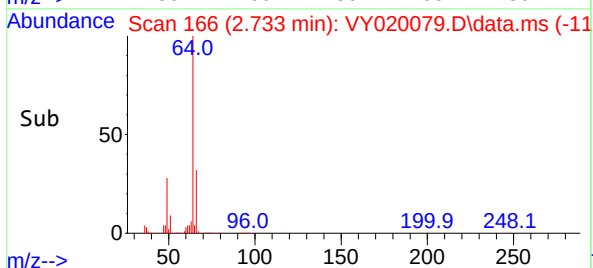
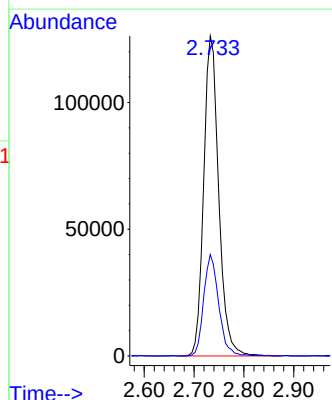
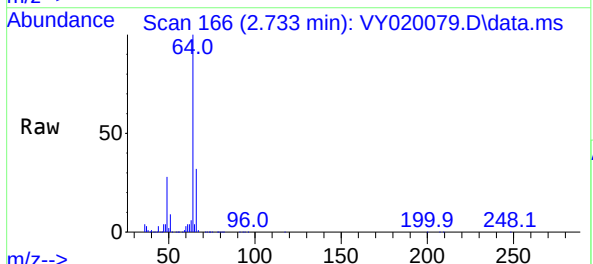
Instrument :  
MSVOA\_Y  
ClientSampleId :

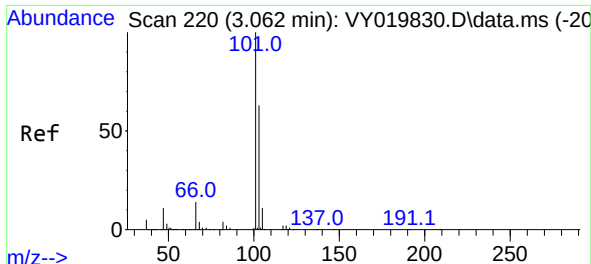
Tgt Ion: 94 Resp: 260872  
Ion Ratio Lower Upper  
94 100  
96 94.4 74.1 111.1



#6  
Chloroethane  
Concen: 99.168 ug/l  
RT: 2.733 min Scan# 166  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 64 Resp: 263815  
Ion Ratio Lower Upper  
64 100  
66 31.7 26.1 39.1

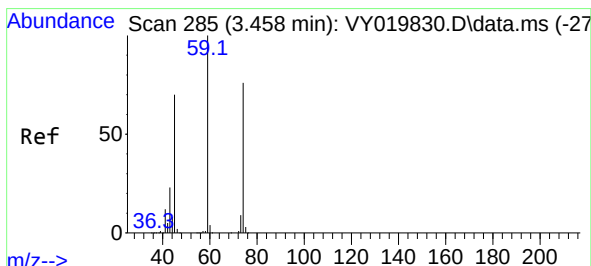
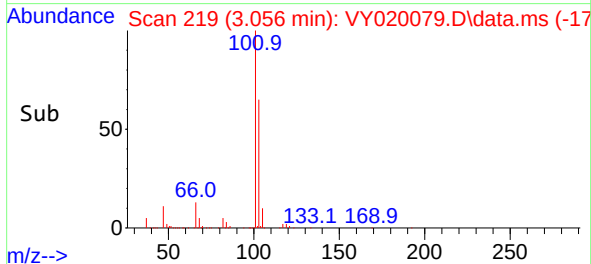
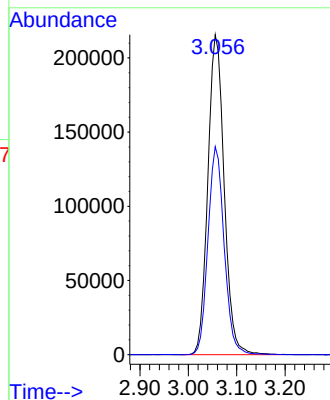
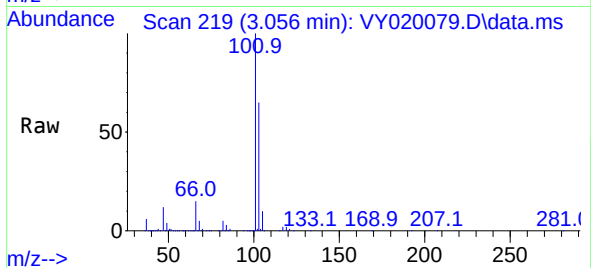




#7  
Trichlorofluoromethane  
Concen: 100.637 ug/l  
RT: 3.056 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

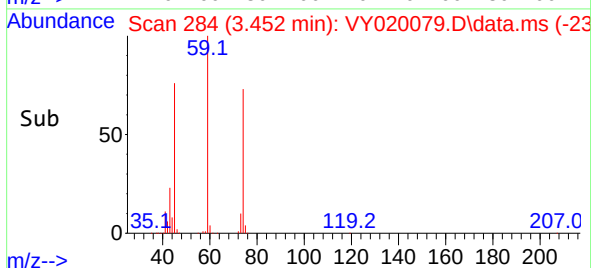
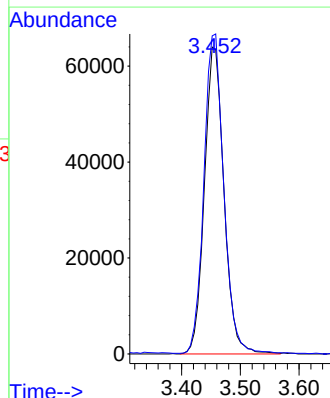
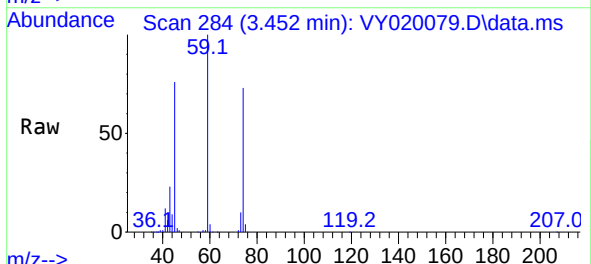
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:101 Resp: 506774  
Ion Ratio Lower Upper  
101 100  
103 65.0 49.3 73.9

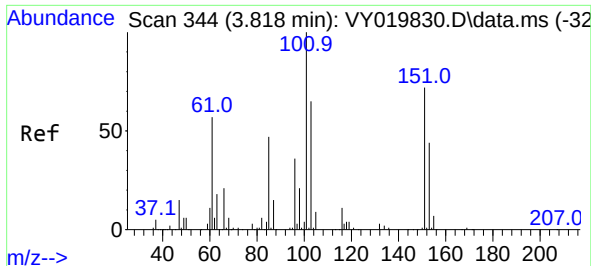


#8  
Diethyl Ether  
Concen: 105.849 ug/l  
RT: 3.452 min Scan# 284  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 74 Resp: 148665  
Ion Ratio Lower Upper  
74 100  
45 105.6 41.3 124.1

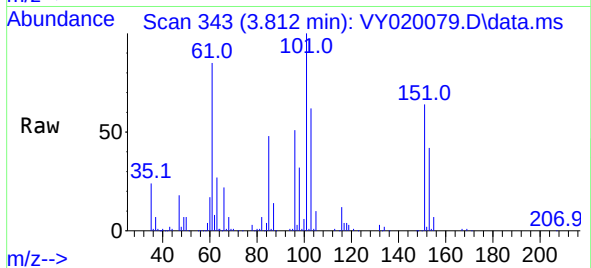




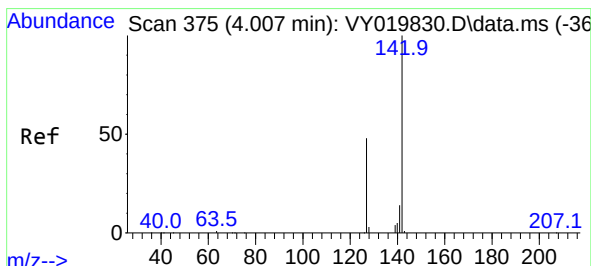
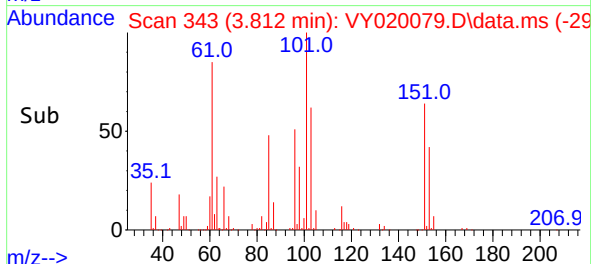
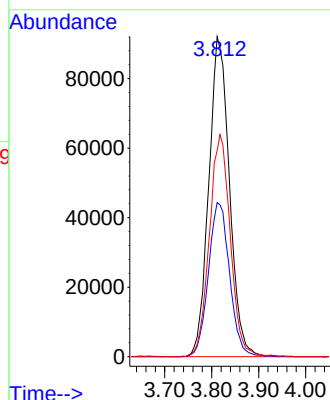


#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 99.519 ug/l  
RT: 3.812 min Scan# 344  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Instrument :  
MSVOA\_Y  
ClientSampleId :

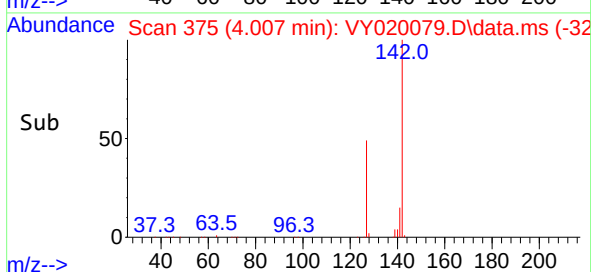
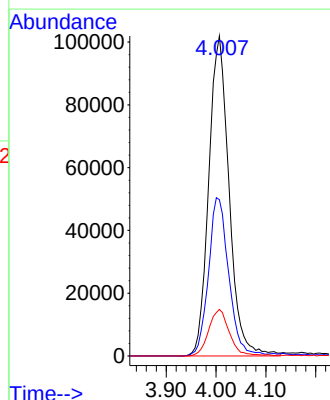
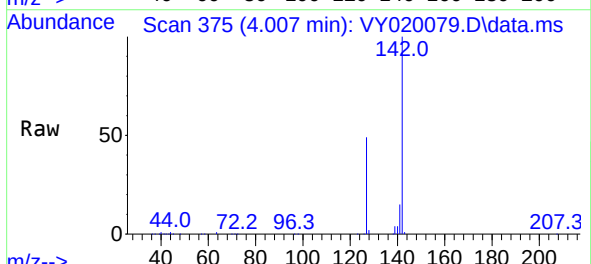


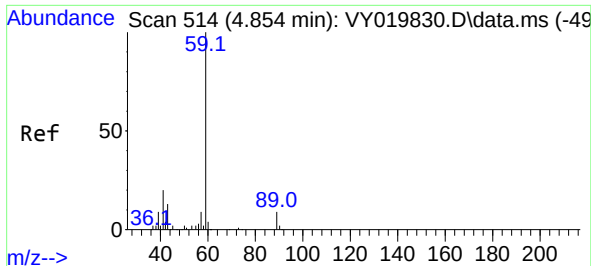
Tgt Ion:101 Resp: 281087  
Ion Ratio Lower Upper  
101 100  
85 49.4 34.5 51.7  
151 70.4 61.7 92.5



#10  
Methyl Iodide  
Concen: 106.020 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion:142 Resp: 289107  
Ion Ratio Lower Upper  
142 100  
127 49.1 32.8 49.2  
141 14.8 11.4 17.2

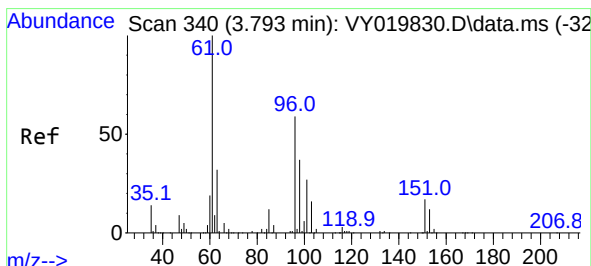
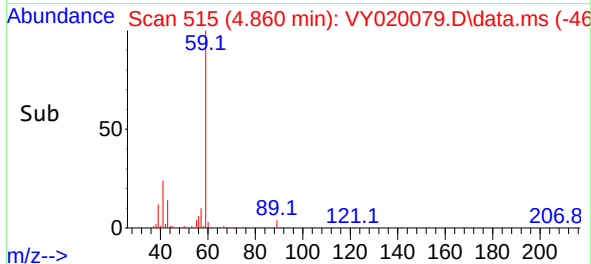
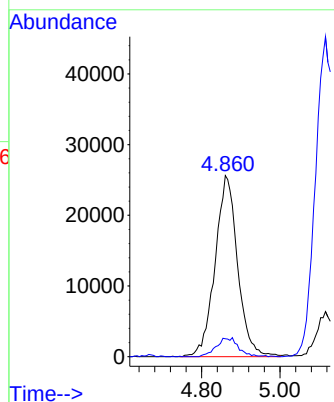
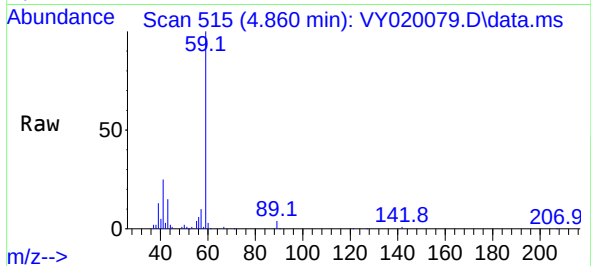




#11  
Tert butyl alcohol  
Concen: 456.034 ug/l  
RT: 4.860 min Scan# 514  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

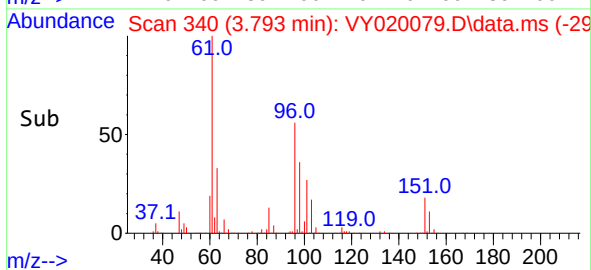
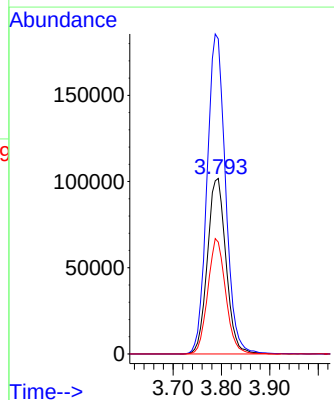
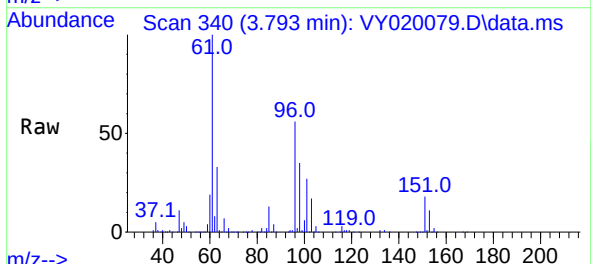
Instrument :  
MSVOA\_Y  
ClientSampleId :

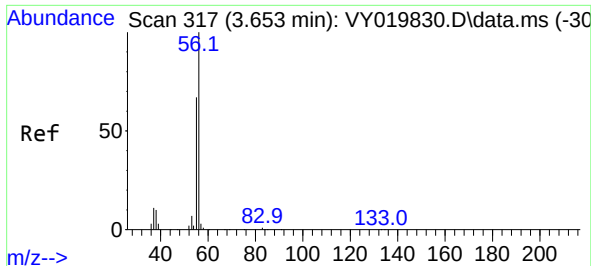
Tgt Ion: 59 Resp: 102524  
Ion Ratio Lower Upper  
59 100  
57 10.1 3.0 4.6#



#12  
1,1-Dichloroethene  
Concen: 100.704 ug/l  
RT: 3.793 min Scan# 340  
Delta R.T. 0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 96 Resp: 272143  
Ion Ratio Lower Upper  
96 100  
61 179.6 114.6 171.8#  
98 63.7 50.8 76.2





#13

Acrolein

Concen: 534.233 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA\_Y

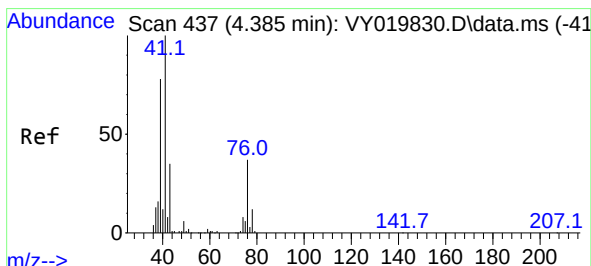
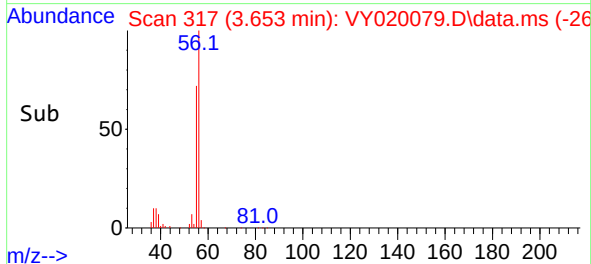
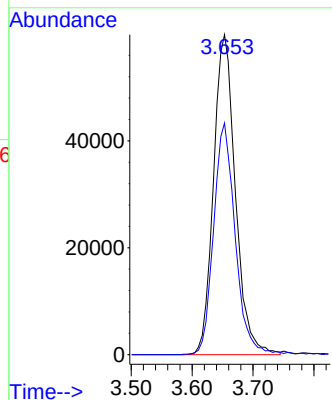
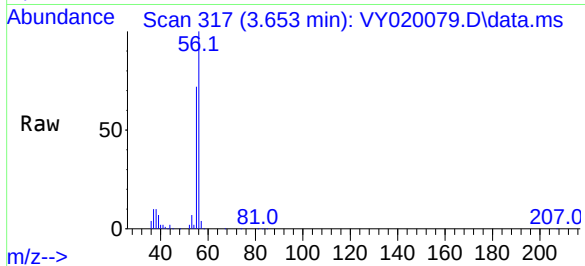
ClientSampleId :

Tgt Ion: 56 Resp: 149511

Ion Ratio Lower Upper

56 100

55 71.2 55.7 83.5



#14

Allyl chloride

Concen: 103.808 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

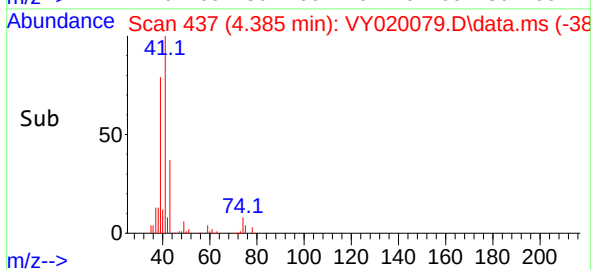
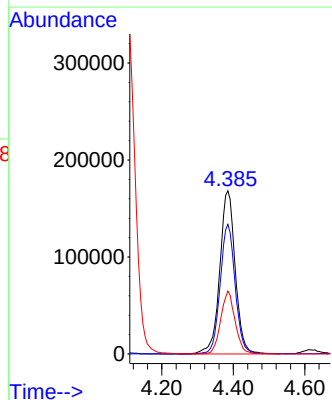
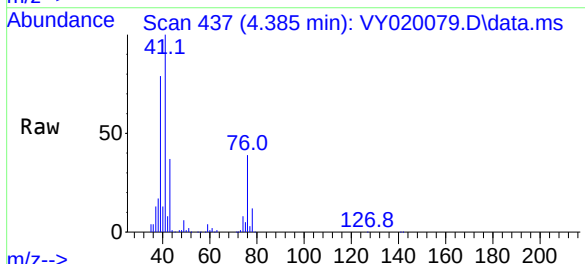
Tgt Ion: 41 Resp: 506132

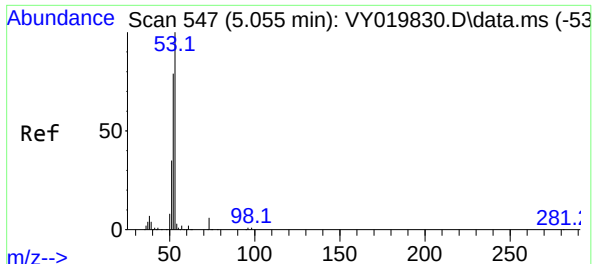
Ion Ratio Lower Upper

41 100

39 77.2 58.3 87.5

76 35.7 39.0 58.6#





#15

Acrylonitrile

Concen: 545.735 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

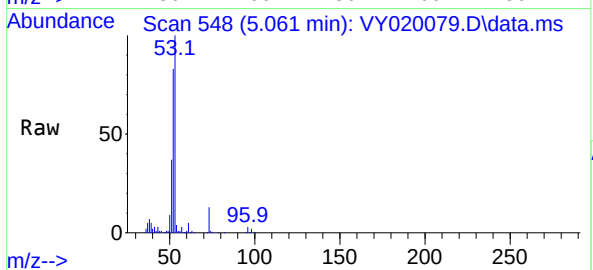
Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

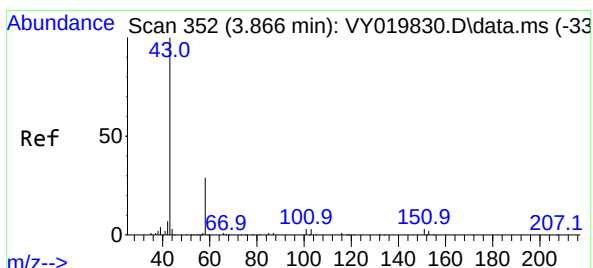
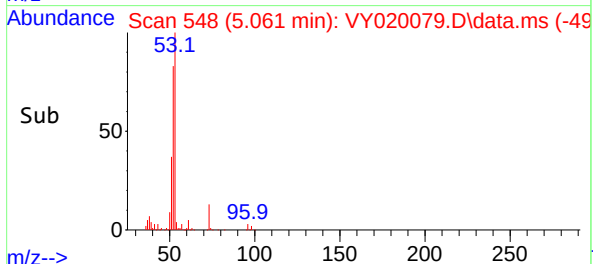
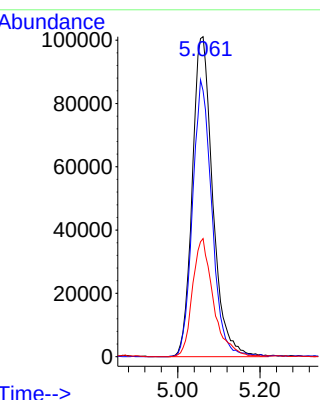
MSVOA\_Y

ClientSampleId :



Tgt Ion: 53 Resp: 348902

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 81.8  | 64.7  | 97.1  |
| 51  | 37.8  | 28.4  | 42.6  |



#16

Acetone

Concen: 569.644 ug/l

RT: 3.866 min Scan# 352

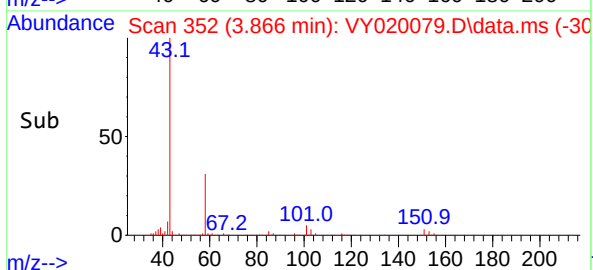
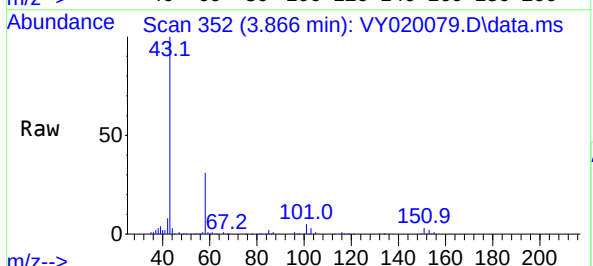
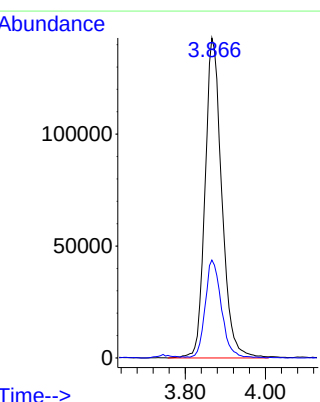
Delta R.T. -0.006 min

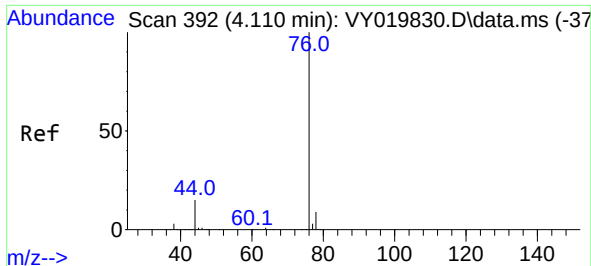
Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion: 43 Resp: 414042

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 30.5  | 31.7  | 47.5  |

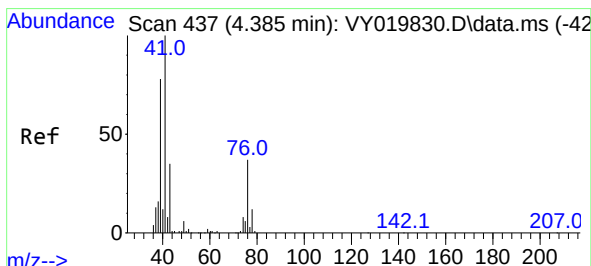
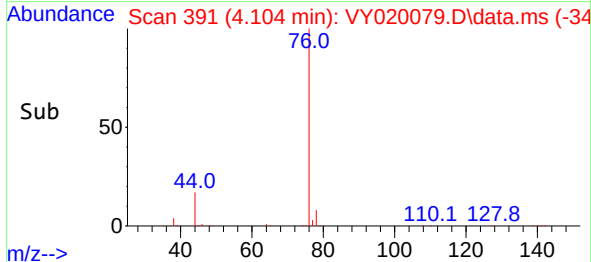
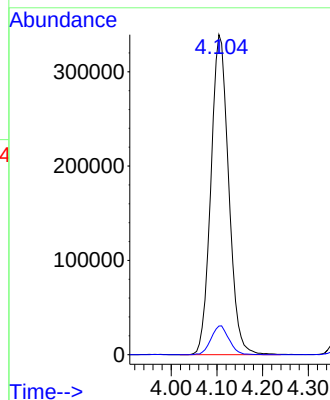
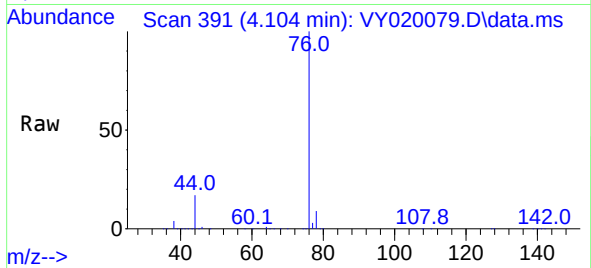




#17  
Carbon Disulfide  
Concen: 102.033 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

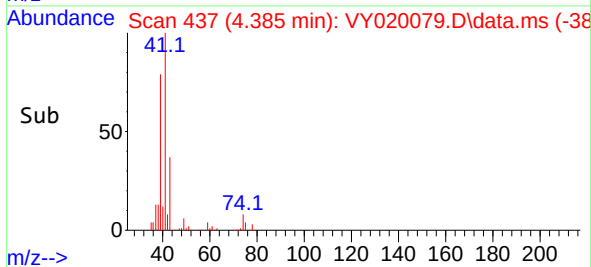
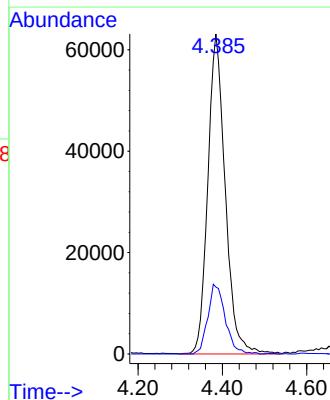
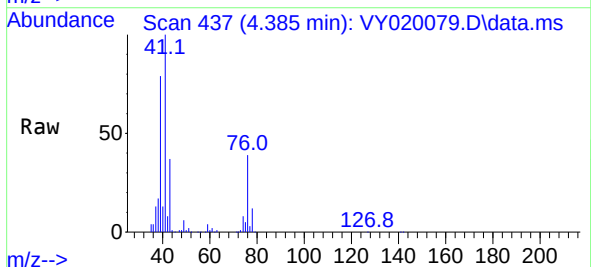
Instrument :  
MSVOA\_Y  
ClientSampleId :

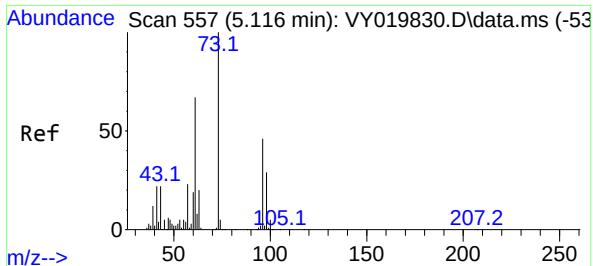
Tgt Ion: 76 Resp: 917608  
Ion Ratio Lower Upper  
76 100  
78 8.9 6.8 10.2



#18  
Methyl Acetate  
Concen: 106.328 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 43 Resp: 181329  
Ion Ratio Lower Upper  
43 100  
74 21.8 23.3 34.9#





#19

Methyl tert-butyl Ether

Concen: 109.223 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA\_Y

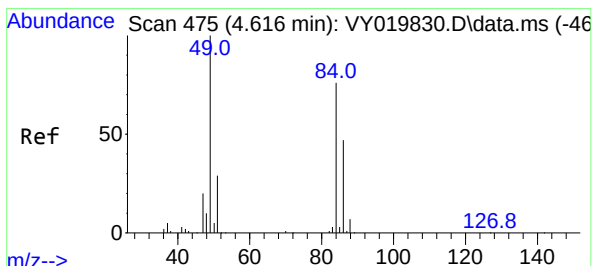
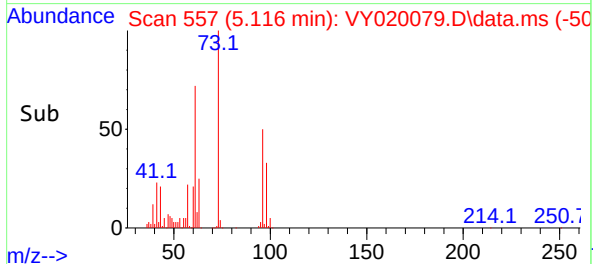
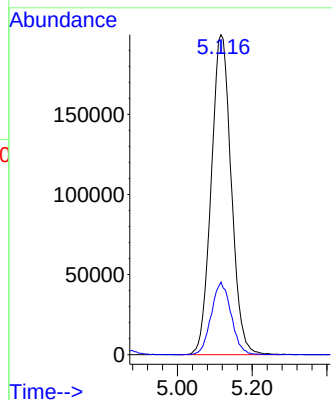
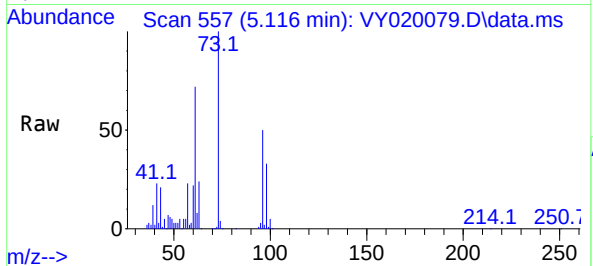
ClientSampleId :

Tgt Ion: 73 Resp: 742574

Ion Ratio Lower Upper

73 100

57 22.7 17.3 25.9



#20

Methylene Chloride

Concen: 91.613 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion: 84 Resp: 299130

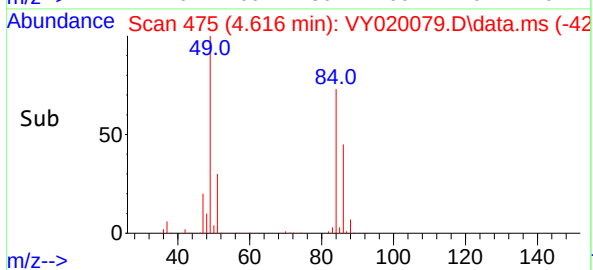
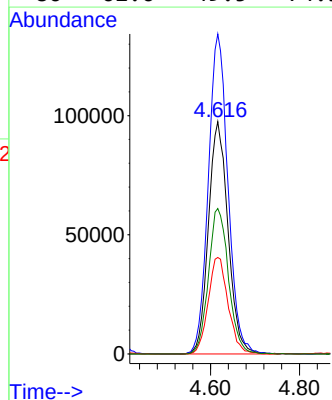
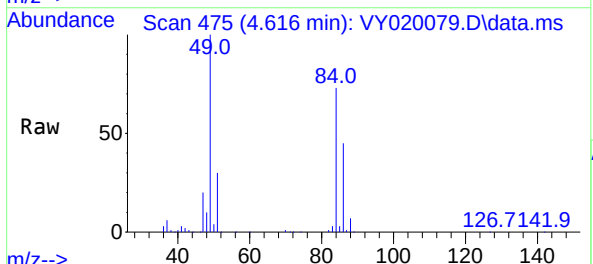
Ion Ratio Lower Upper

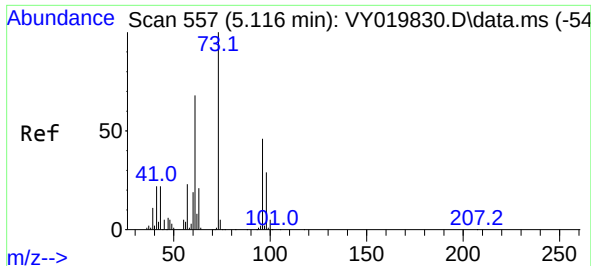
84 100

49 137.7 84.4 126.6#

51 41.5 26.0 39.0#

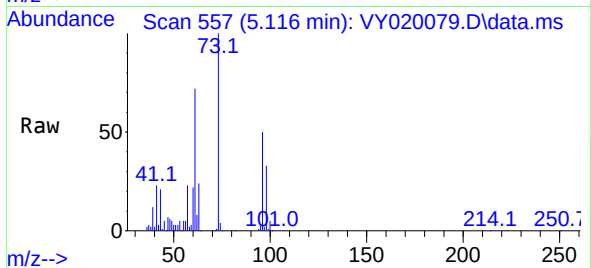
86 62.6 49.5 74.3



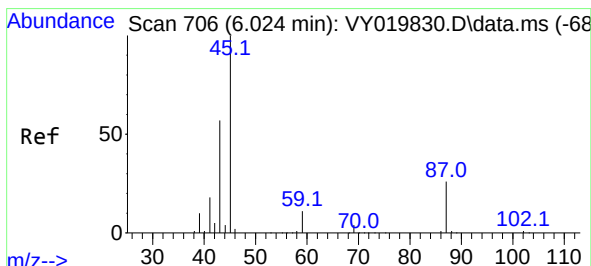
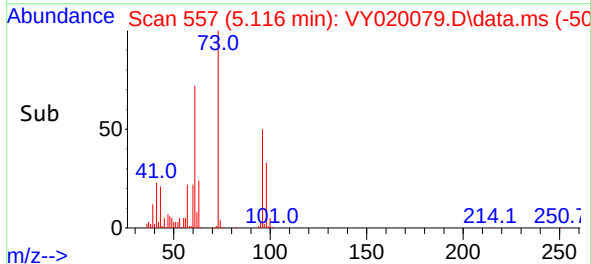
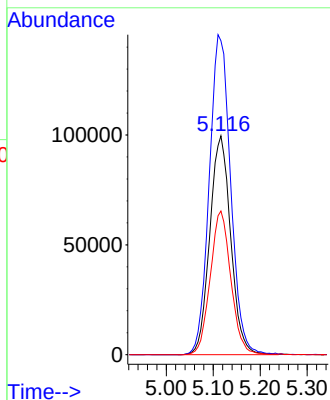


#21  
trans-1,2-Dichloroethene  
Concen: 101.280 ug/l  
RT: 5.116 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Instrument :  
MSVOA\_Y  
ClientSampleId :

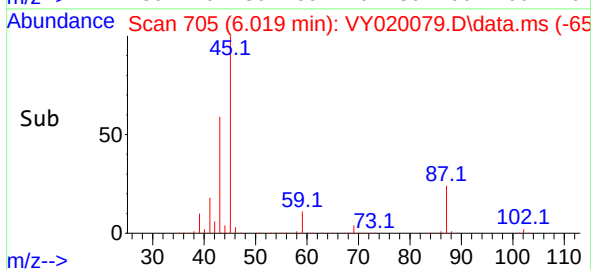
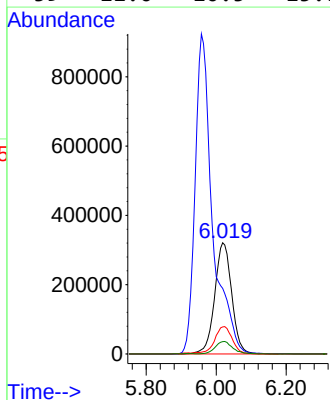
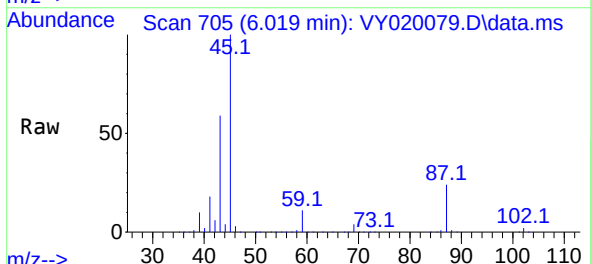


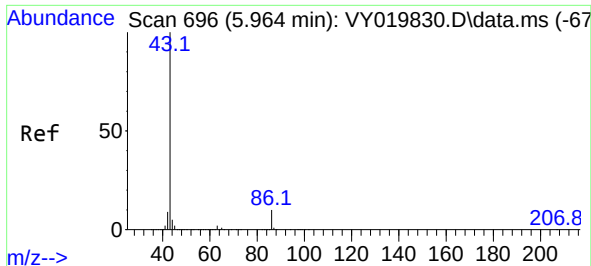
Tgt Ion: 96 Resp: 308673  
Ion Ratio Lower Upper  
96 100  
61 143.4 97.5 146.3  
98 65.6 50.5 75.7



#22  
Diisopropyl ether  
Concen: 107.337 ug/l  
RT: 6.019 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

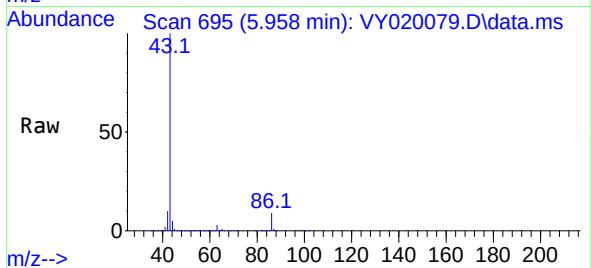
Tgt Ion: 45 Resp: 1086016  
Ion Ratio Lower Upper  
45 100  
43 58.8 42.2 63.2  
87 24.4 25.0 37.6#  
59 11.0 10.5 15.7



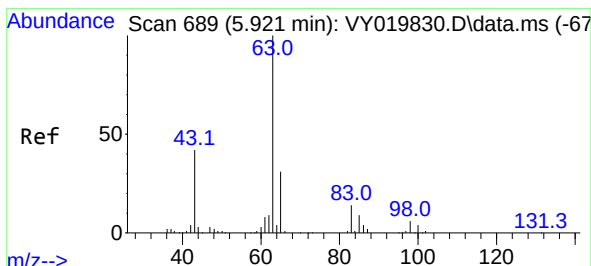
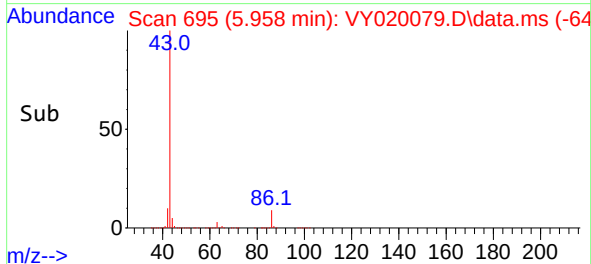
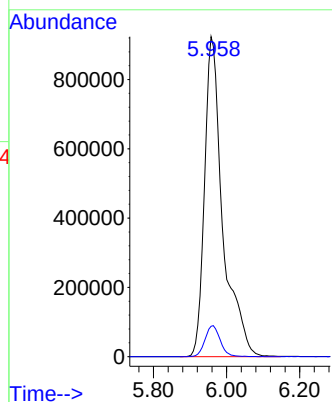


#23  
Vinyl Acetate  
Concen: 560.147 ug/l  
RT: 5.958 min Scan# 696  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Instrument :  
MSVOA\_Y  
ClientSampleId :

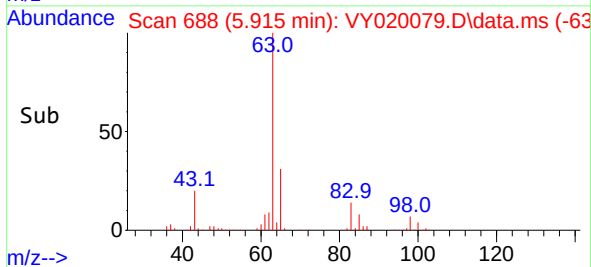
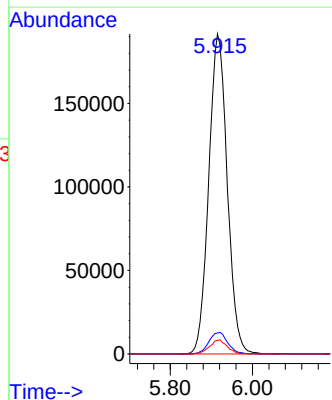
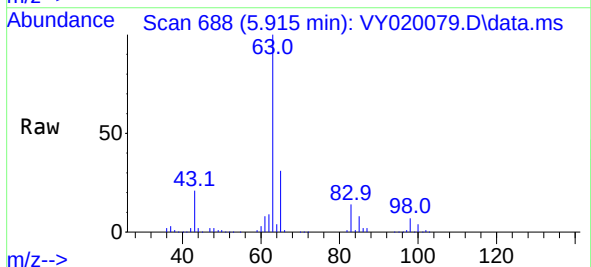


Tgt Ion: 43 Resp: 3189495  
Ion Ratio Lower Upper  
43 100  
86 9.5 10.6 16.0#

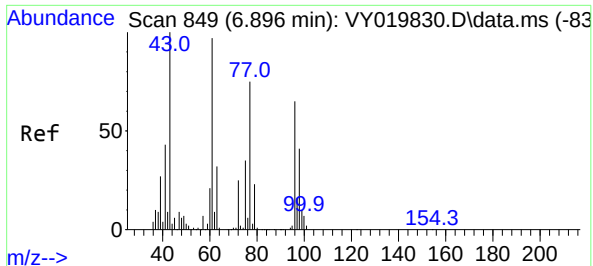


#24  
1,1-Dichloroethane  
Concen: 102.108 ug/l  
RT: 5.915 min Scan# 688  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 63 Resp: 598212  
Ion Ratio Lower Upper  
63 100  
98 6.6 4.0 12.2  
100 4.3 2.6 8.0



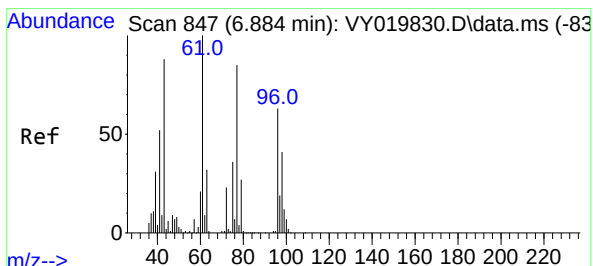
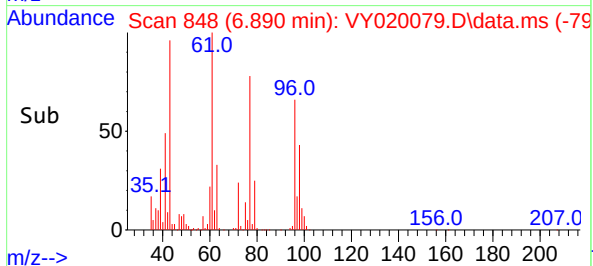
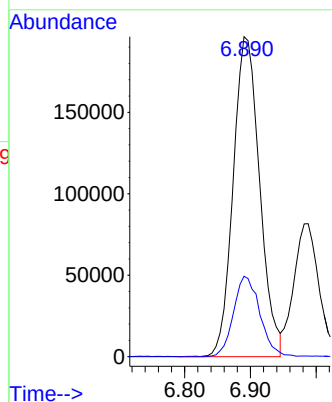
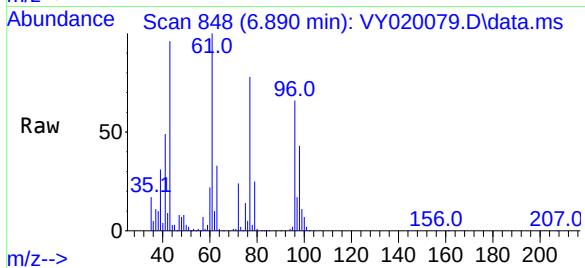




#25  
2-Butanone  
Concen: 557.514 ug/l  
RT: 6.890 min Scan# 849  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

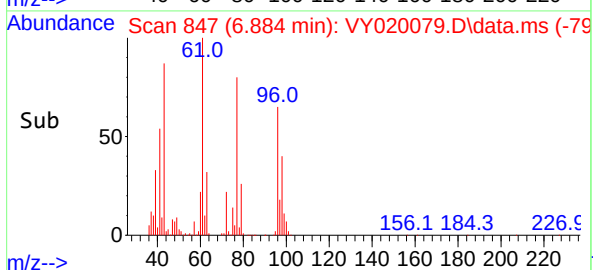
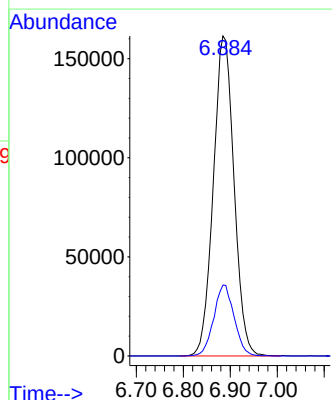
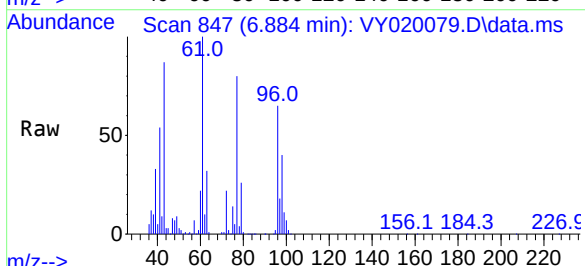
Instrument :  
MSVOA\_Y  
ClientSampleId :

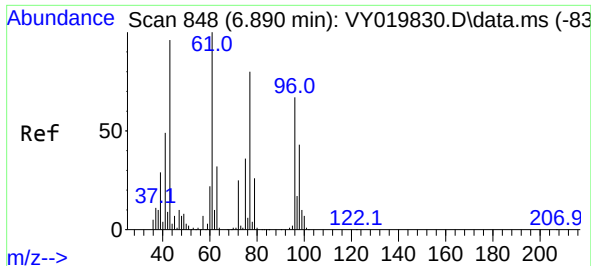
Tgt Ion: 43 Resp: 549299  
Ion Ratio Lower Upper  
43 100  
72 25.2 27.3 40.9#



#26  
2,2-Dichloropropane  
Concen: 101.322 ug/l  
RT: 6.884 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

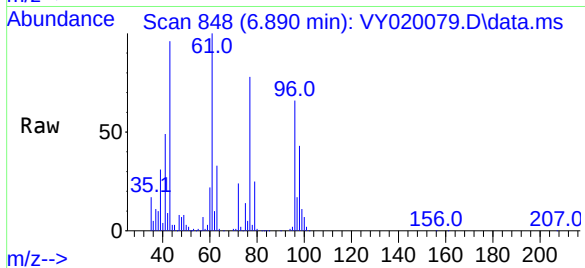
Tgt Ion: 77 Resp: 493900  
Ion Ratio Lower Upper  
77 100  
97 21.8 12.0 36.1



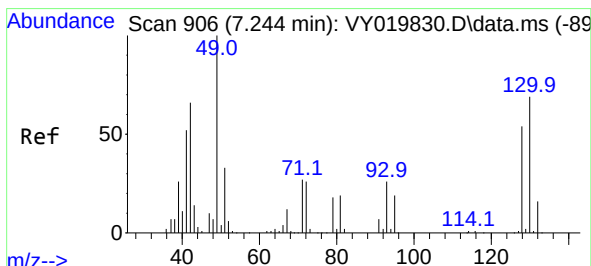
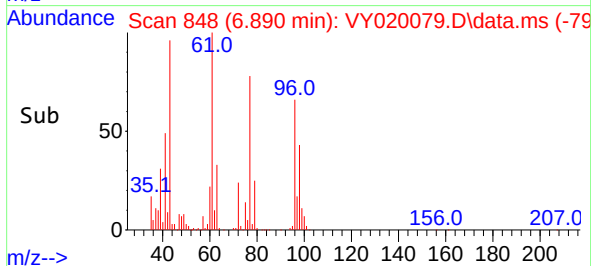
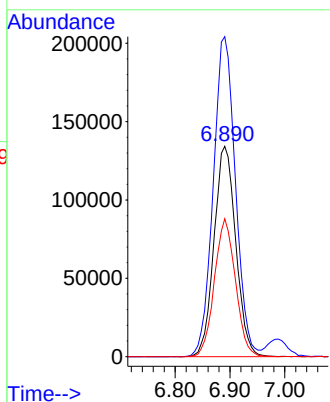


#27  
cis-1,2-Dichloroethene  
Concen: 105.803 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Instrument :  
MSVOA\_Y  
ClientSampleId :

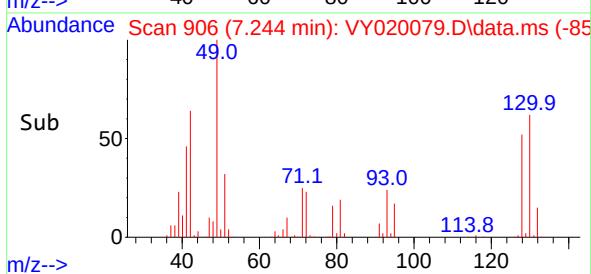
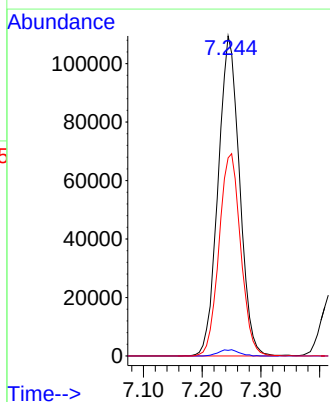
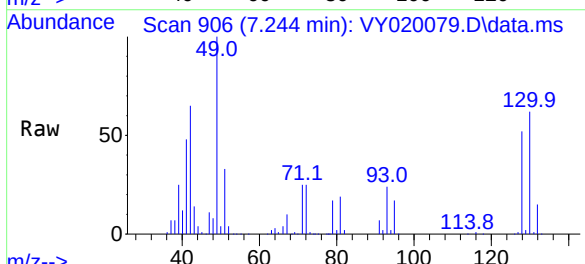


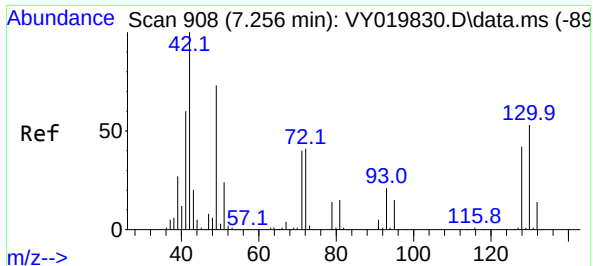
Tgt Ion: 96 Resp: 370675  
Ion Ratio Lower Upper  
96 100  
61 155.4 0.0 256.2  
98 63.4 0.0 130.0



#28  
Bromochloromethane  
Concen: 101.006 ug/l  
RT: 7.244 min Scan# 906  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 49 Resp: 277089  
Ion Ratio Lower Upper  
49 100  
129 1.9 0.0 4.6  
130 63.8 72.7 109.1#

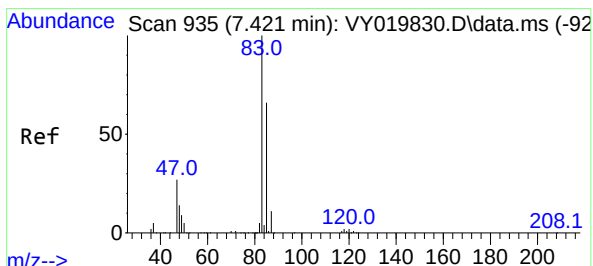
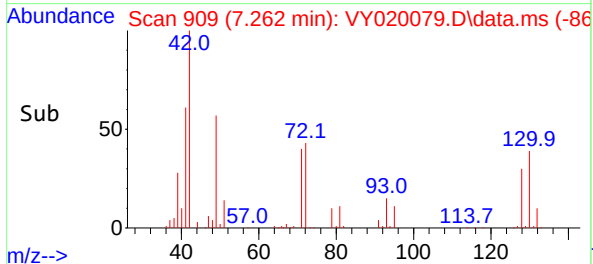
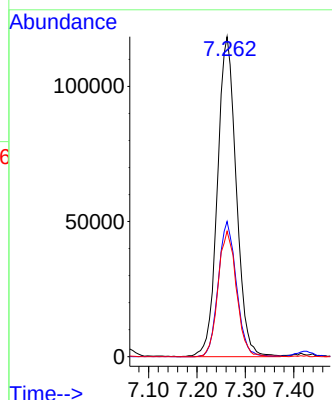
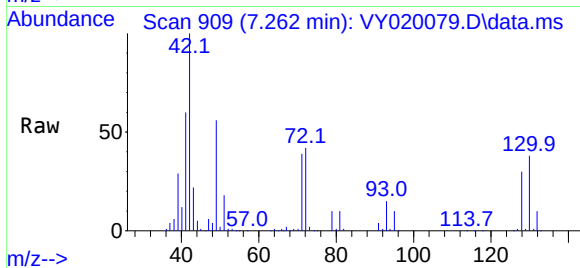




#29  
Tetrahydrofuran  
Concen: 562.831 ug/l  
RT: 7.262 min Scan# 909  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

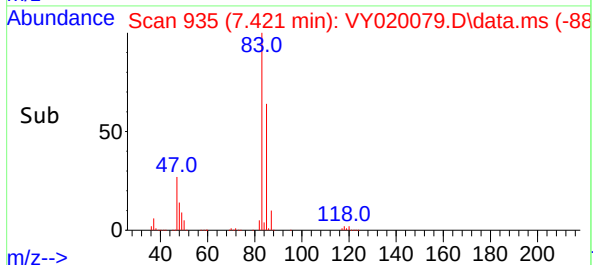
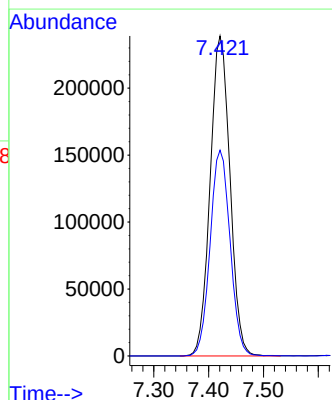
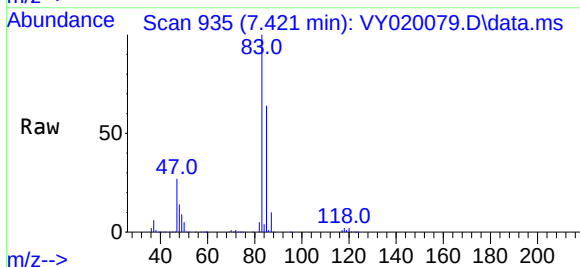
Instrument :  
MSVOA\_Y  
ClientSampleId :

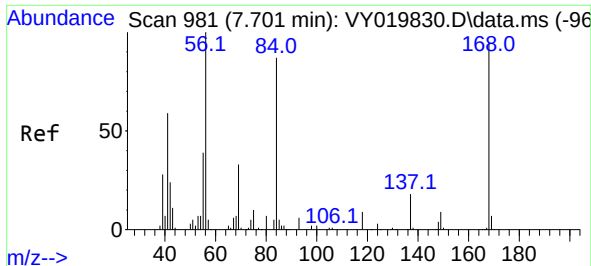
Tgt Ion: 42 Resp: 320026  
Ion Ratio Lower Upper  
42 100  
72 40.7 43.0 64.4#  
71 38.4 40.8 61.2#



#30  
Chloroform  
Concen: 103.041 ug/l  
RT: 7.421 min Scan# 935  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 83 Resp: 599049  
Ion Ratio Lower Upper  
83 100  
85 64.3 52.2 78.4

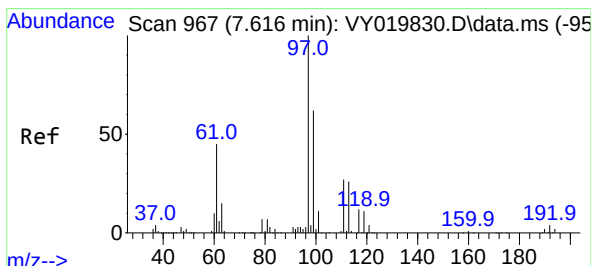
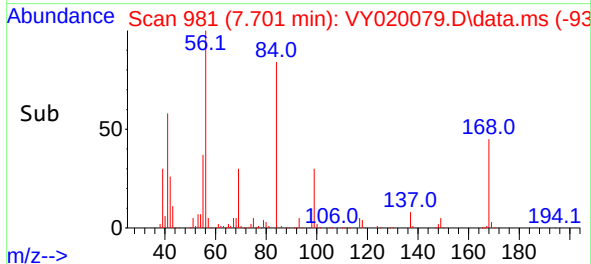
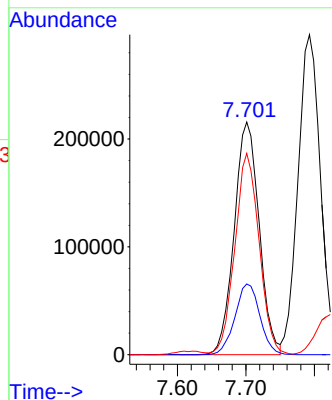
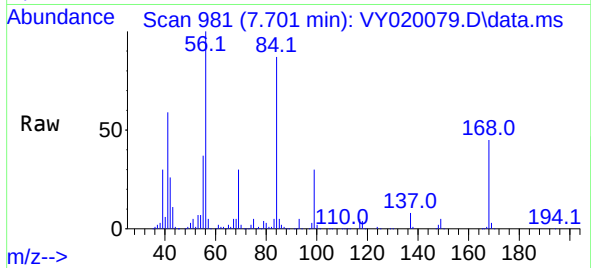




#31  
Cyclohexane  
Concen: 96.525 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

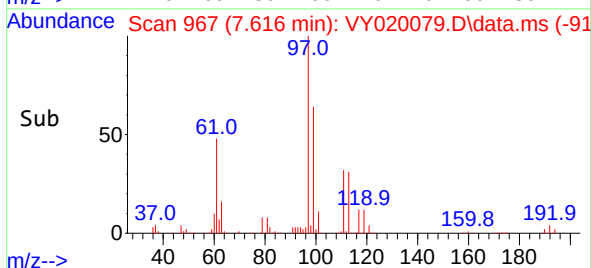
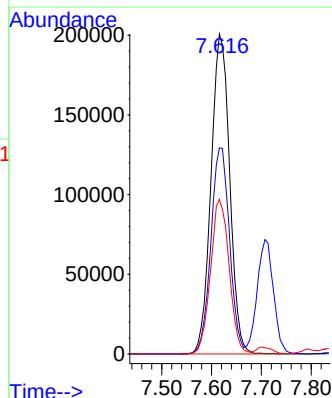
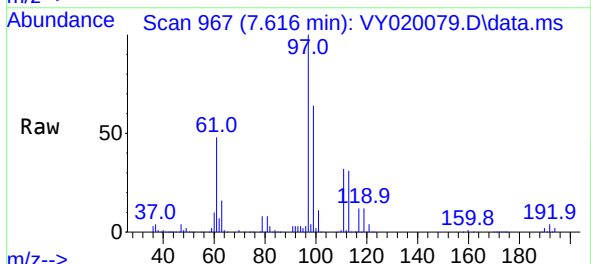
Instrument :  
MSVOA\_Y  
ClientSampleId :

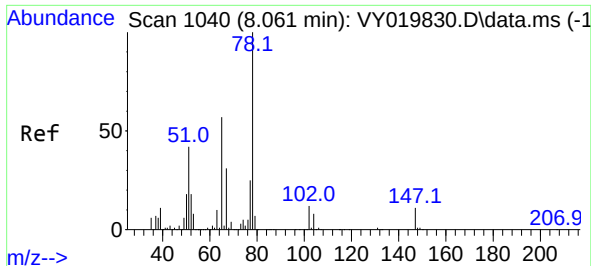
Tgt Ion: 56 Resp: 547474  
Ion Ratio Lower Upper  
56 100  
69 30.4 28.7 43.1  
84 85.3 77.7 116.5



#32  
1,1,1-Trichloroethane  
Concen: 102.754 ug/l  
RT: 7.616 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 97 Resp: 521551  
Ion Ratio Lower Upper  
97 100  
99 64.4 50.3 75.5  
61 48.2 32.6 48.8

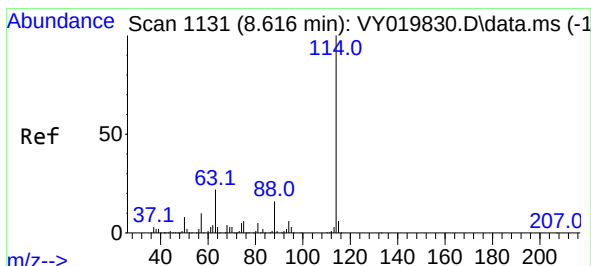
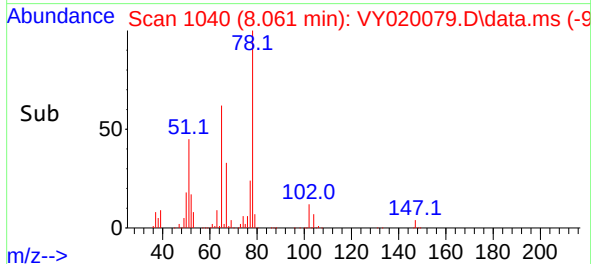
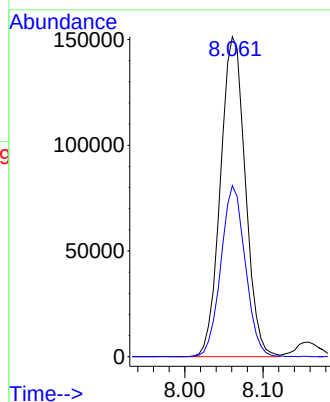
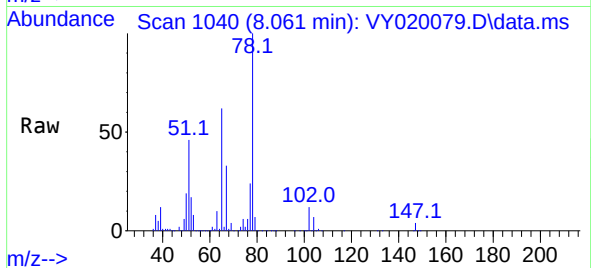




#33  
1,2-Dichloroethane-d4  
Concen: 106.978 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

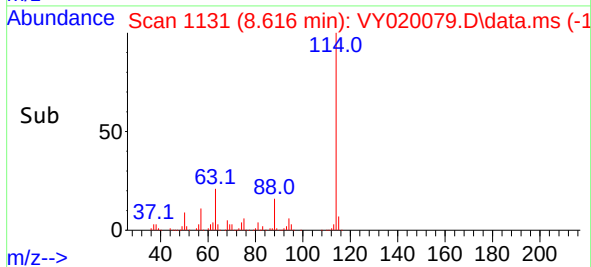
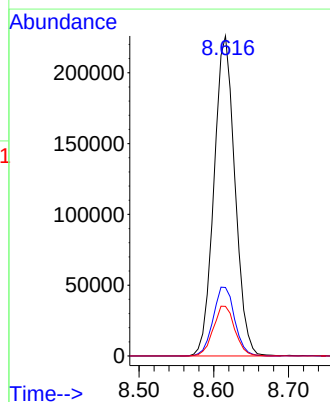
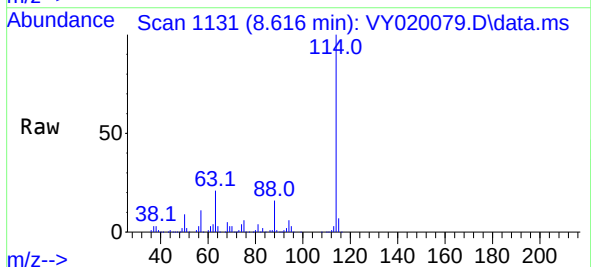
Instrument :  
MSVOA\_Y  
ClientSampleId :

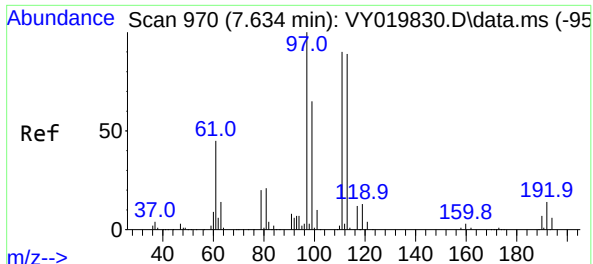
Tgt Ion: 65 Resp: 334356  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 109.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 114 Resp: 439442  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 35.0  
88 15.5 0.0 27.2

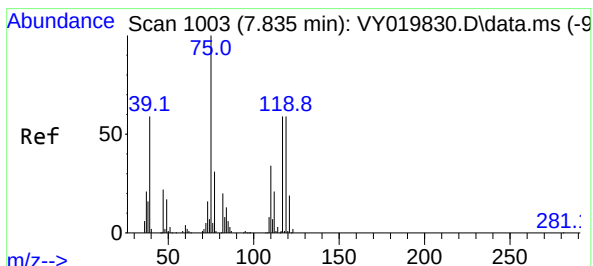
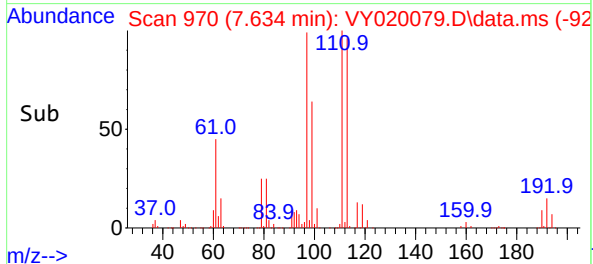
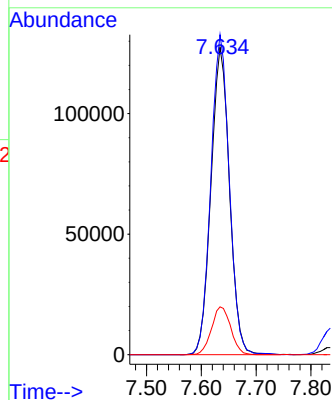
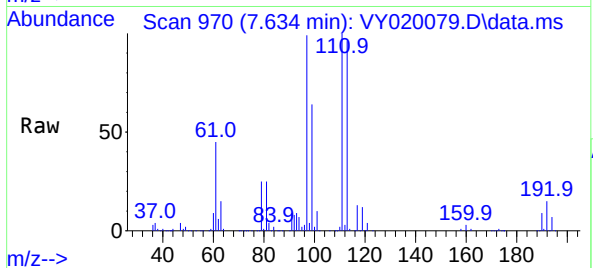




#35  
Dibromofluoromethane  
Concen: 107.052 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

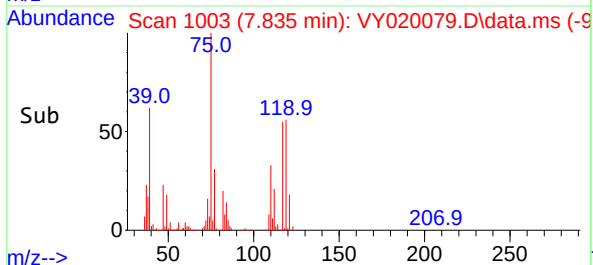
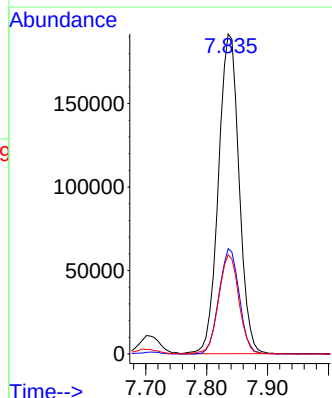
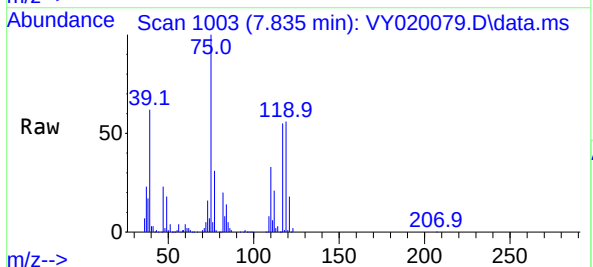
Instrument :  
MSVOA\_Y  
ClientSampleId :

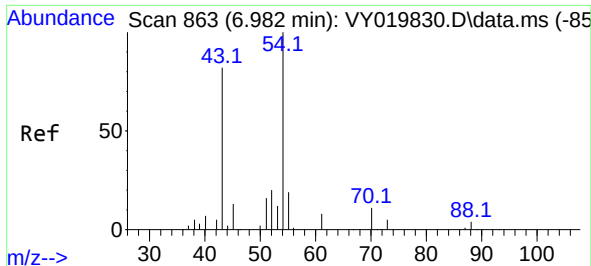
Tgt Ion:113 Resp: 299098  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.2 123.4  
192 16.2 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 104.237 ug/l  
RT: 7.835 min Scan# 1003  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 75 Resp: 449890  
Ion Ratio Lower Upper  
75 100  
110 32.3 19.0 57.0  
77 30.7 25.3 37.9

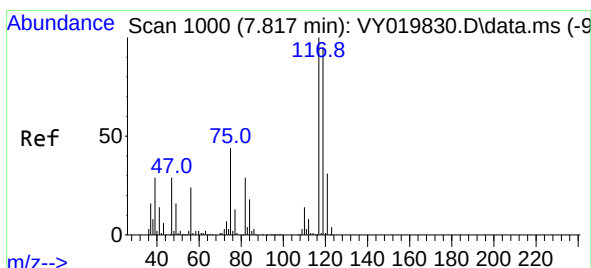
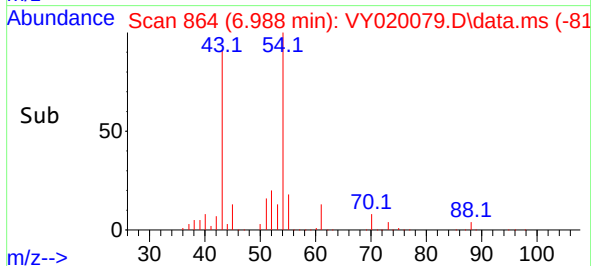
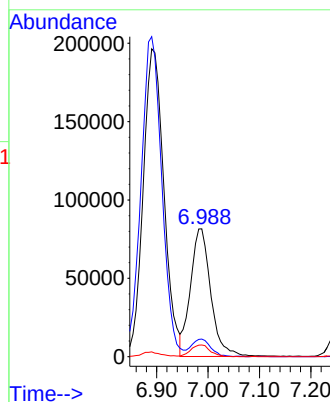
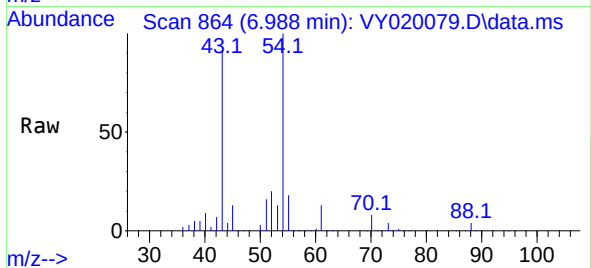




#37  
Ethyl Acetate  
Concen: 108.722 ug/l  
RT: 6.988 min Scan# 863  
Delta R.T. 0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

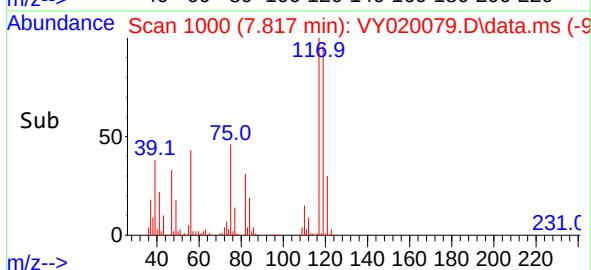
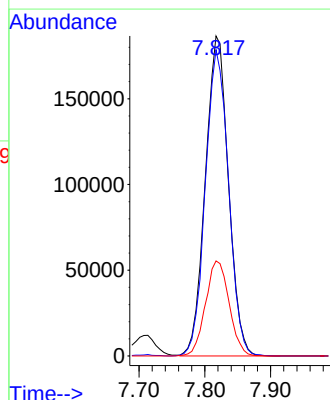
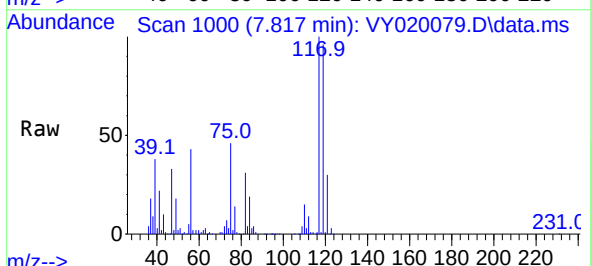
Instrument :  
MSVOA\_Y  
ClientSampleId :

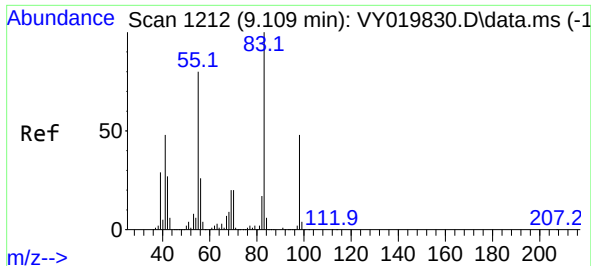
Tgt Ion: 43 Resp: 223721  
Ion Ratio Lower Upper  
43 100  
61 12.5 12.6 19.0#  
70 8.7 7.8 11.8



#38  
Carbon Tetrachloride  
Concen: 105.150 ug/l  
RT: 7.817 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 117 Resp: 456363  
Ion Ratio Lower Upper  
117 100  
119 95.7 75.8 113.6  
121 29.7 24.0 36.0

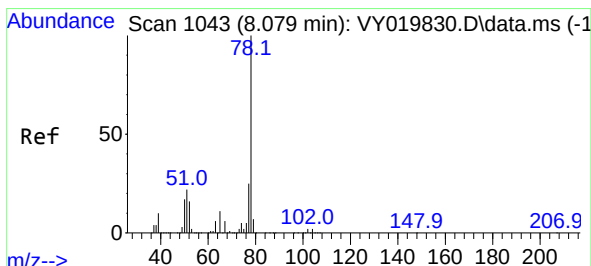
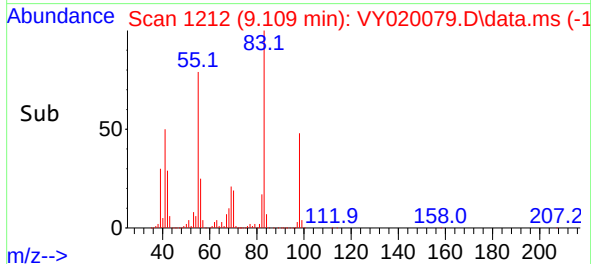
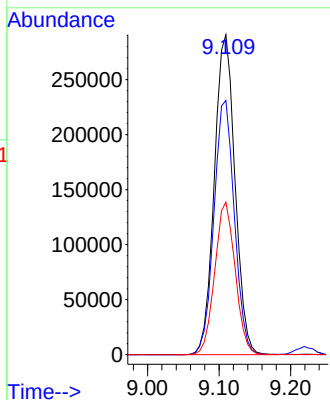
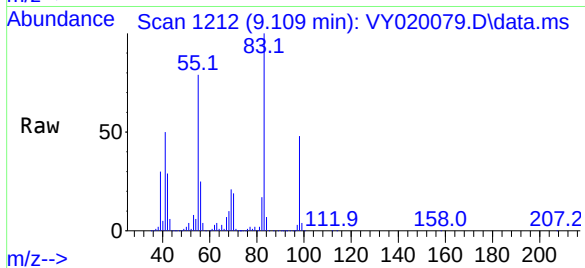




#39  
Methylcyclohexane  
Concen: 106.678 ug/l  
RT: 9.109 min Scan# 1212  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

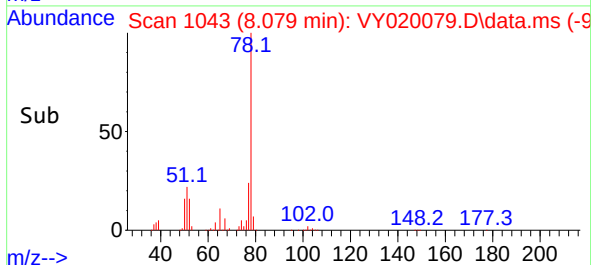
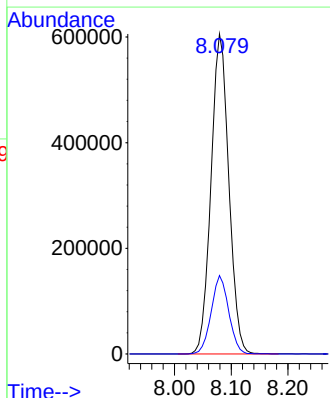
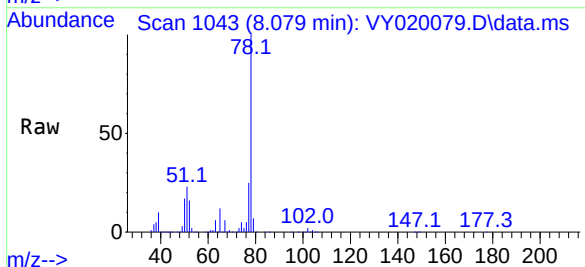
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 83 Resp: 584361  
Ion Ratio Lower Upper  
83 100  
55 79.4 51.5 77.3#  
98 47.6 40.5 60.7

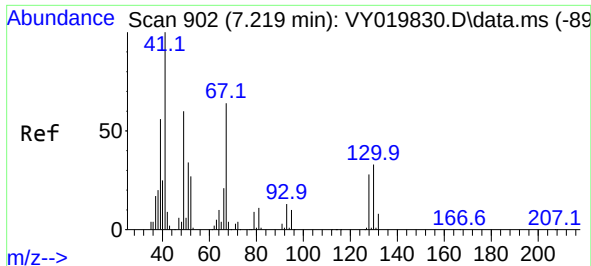


#40  
Benzene  
Concen: 104.892 ug/l  
RT: 8.079 min Scan# 1043  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 78 Resp: 1321405  
Ion Ratio Lower Upper  
78 100  
77 24.5 19.5 29.3

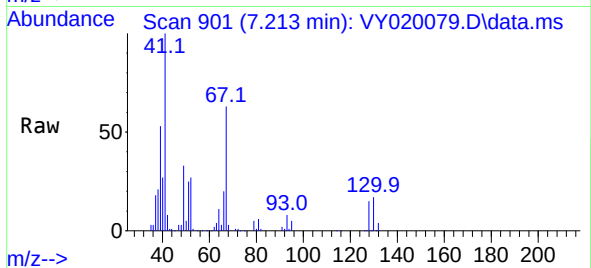




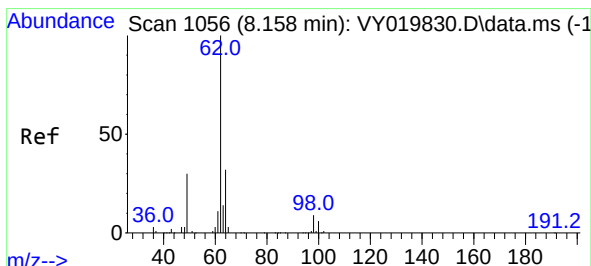
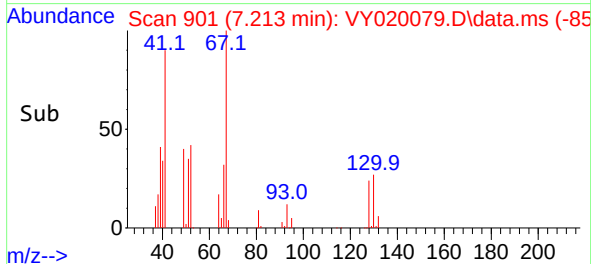
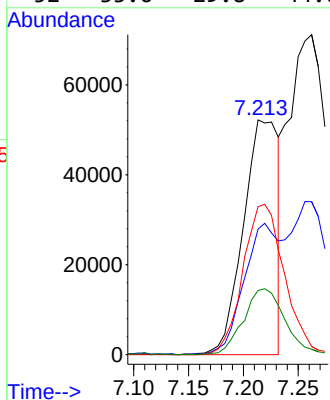


#41  
Methacrylonitrile  
Concen: 112.943 ug/l  
RT: 7.213 min Scan# 901  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Instrument :  
MSVOA\_Y  
ClientSampleId :

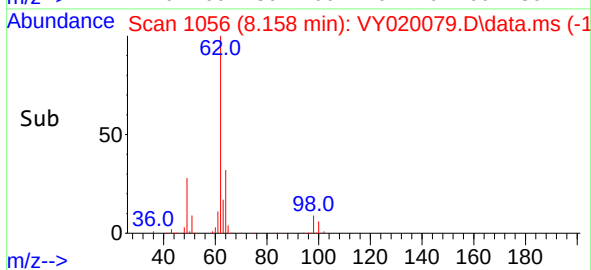
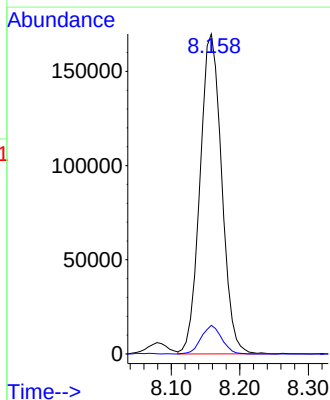
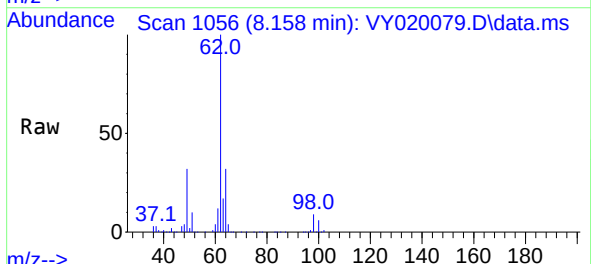


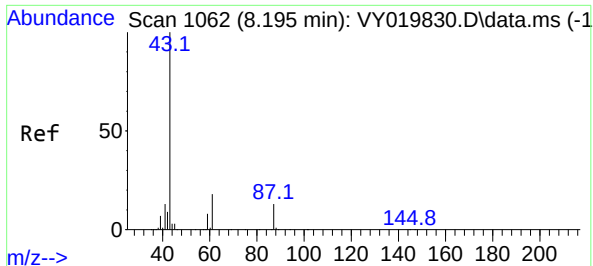
Tgt Ion: 41 Resp: 116421  
Ion Ratio Lower Upper  
41 100  
39 54.0 48.0 72.0  
67 75.9 75.1 112.7  
52 33.6 29.8 44.6



#42  
1,2-Dichloroethane  
Concen: 107.116 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 62 Resp: 373520  
Ion Ratio Lower Upper  
62 100  
98 8.5 0.0 22.0





#43

Isopropyl Acetate

Concen: 113.190 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA\_Y

ClientSampleId :

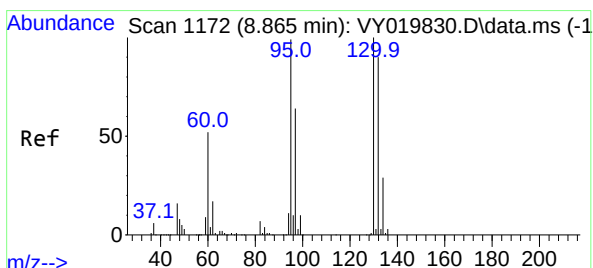
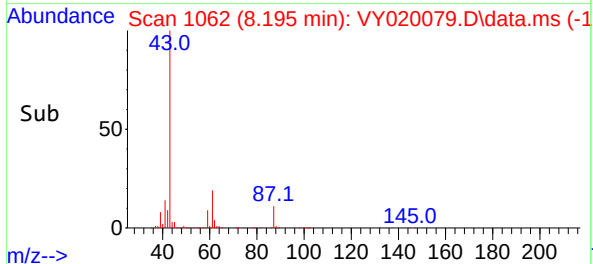
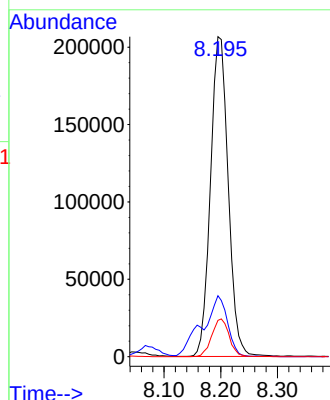
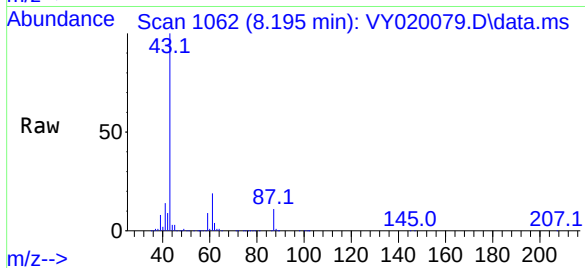
Tgt Ion: 43 Resp: 447889

Ion Ratio Lower Upper

43 100

61 18.8 27.9 41.9#

87 11.6 13.1 19.7#



#44

Trichloroethene

Concen: 104.759 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY020079.D

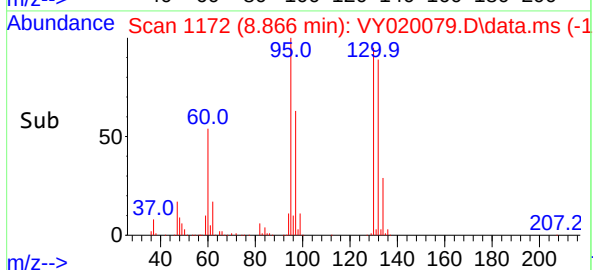
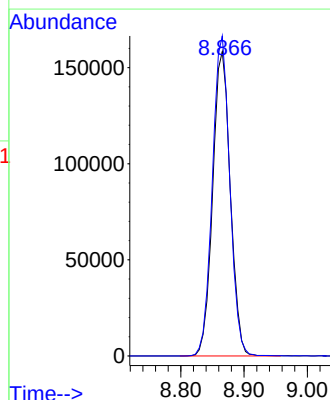
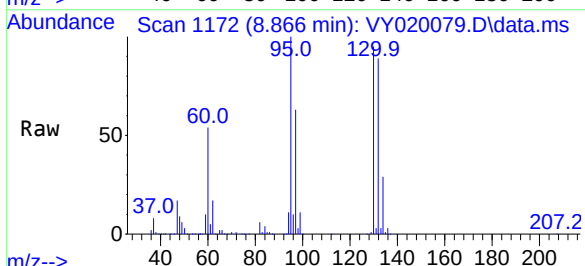
Acq: 30 Oct 2024 14:29

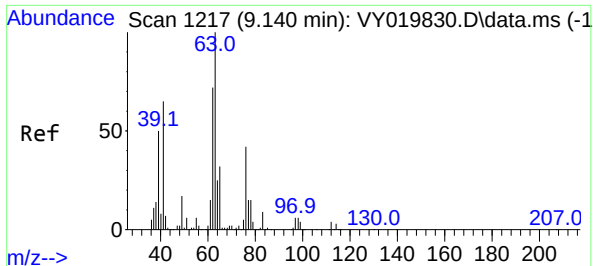
Tgt Ion:130 Resp: 305872

Ion Ratio Lower Upper

130 100

95 105.2 0.0 188.0

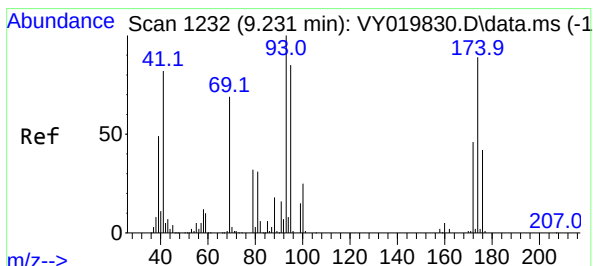
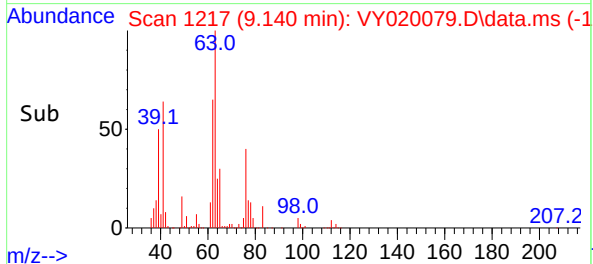
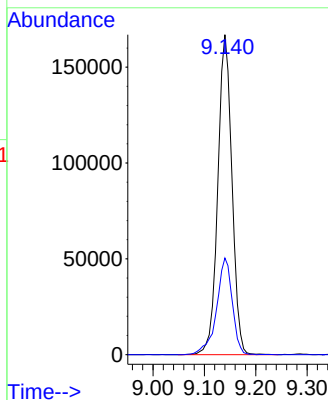
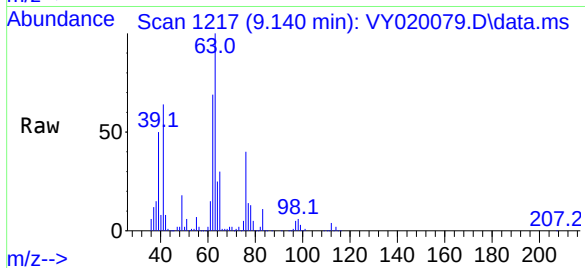




#45  
1,2-Dichloropropane  
Concen: 105.824 ug/l  
RT: 9.140 min Scan# 1217  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

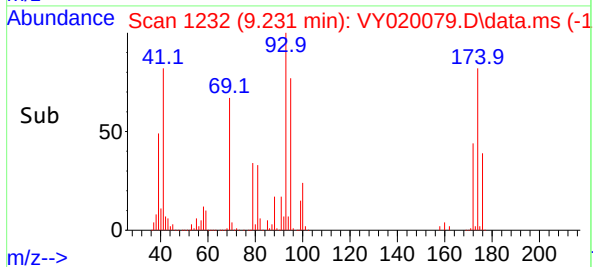
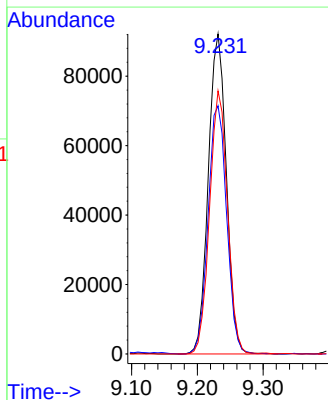
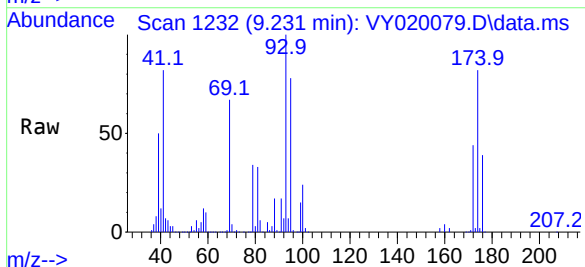
Instrument :  
MSVOA\_Y  
ClientSampleId :

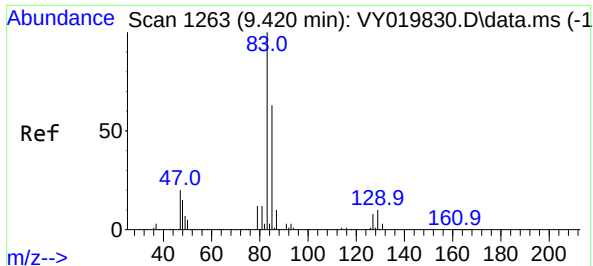
Tgt Ion: 63 Resp: 318959  
Ion Ratio Lower Upper  
63 100  
65 30.2 25.4 38.2



#46  
Dibromomethane  
Concen: 107.692 ug/l  
RT: 9.231 min Scan# 1232  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 93 Resp: 175876  
Ion Ratio Lower Upper  
93 100  
95 80.2 66.2 99.4  
174 81.6 80.9 121.3

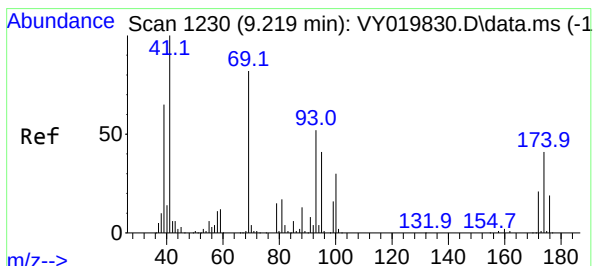
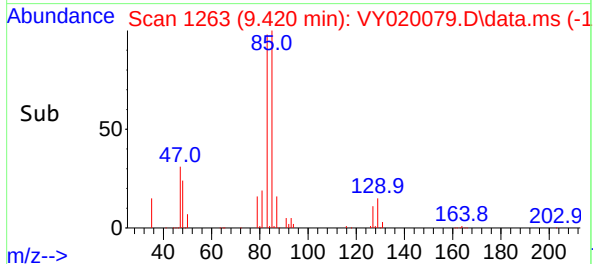
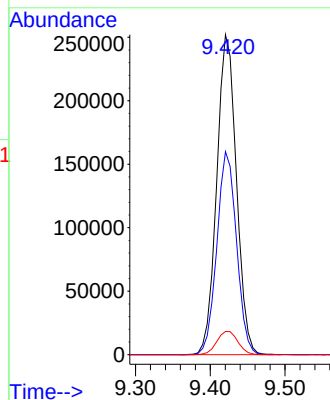
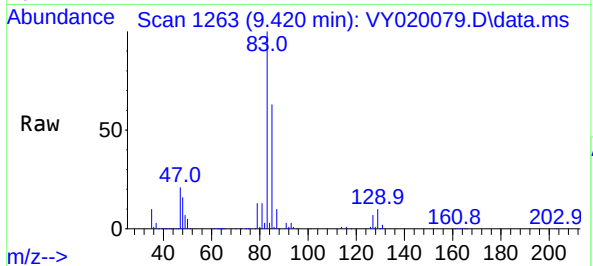




#47  
Bromodichloromethane  
Concen: 107.956 ug/l  
RT: 9.420 min Scan# 1263  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

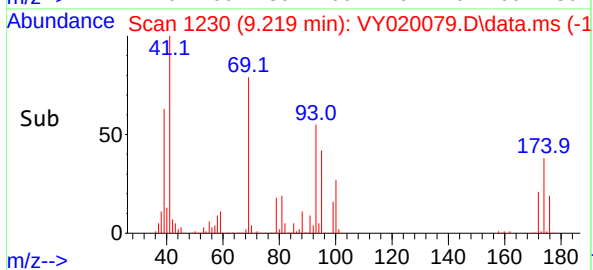
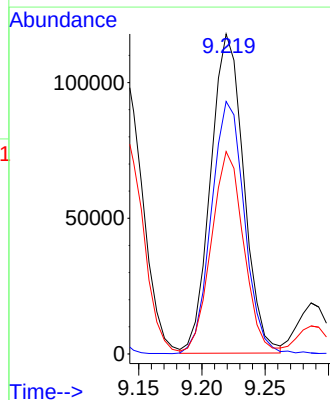
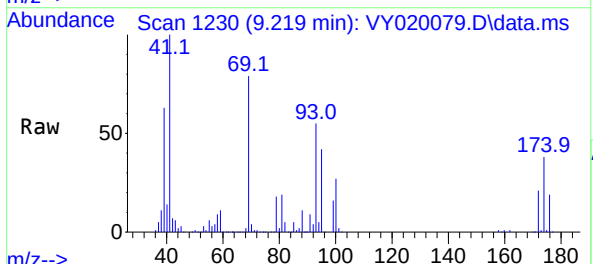
Instrument :  
MSVOA\_Y  
ClientSampleId :

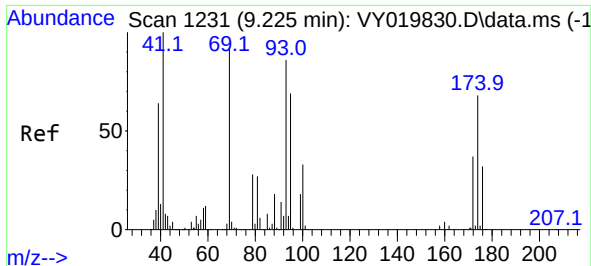
Tgt Ion: 83 Resp: 461878  
Ion Ratio Lower Upper  
83 100  
85 63.4 50.1 75.1  
127 7.3 7.4 11.0#



#48  
Methyl methacrylate  
Concen: 116.873 ug/l  
RT: 9.219 min Scan# 1230  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 41 Resp: 214211  
Ion Ratio Lower Upper  
41 100  
69 78.9 84.1 126.1#  
39 60.3 43.6 65.4





#49

1,4-Dioxane

Concen: 2331.987 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA\_Y

ClientSampleId :

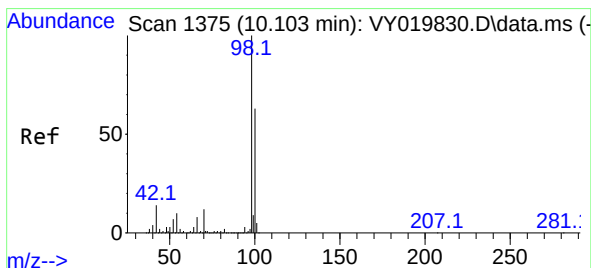
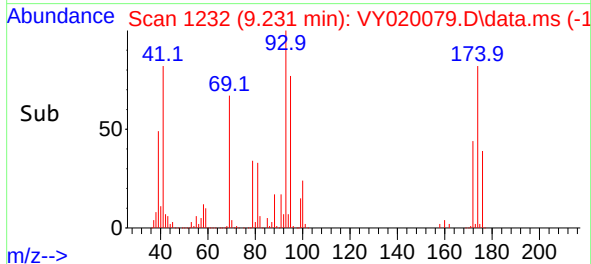
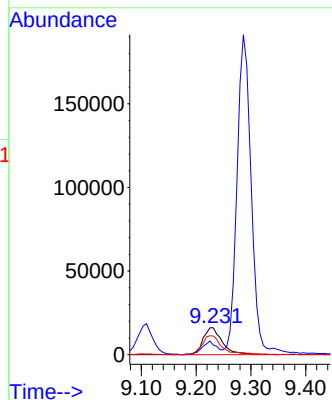
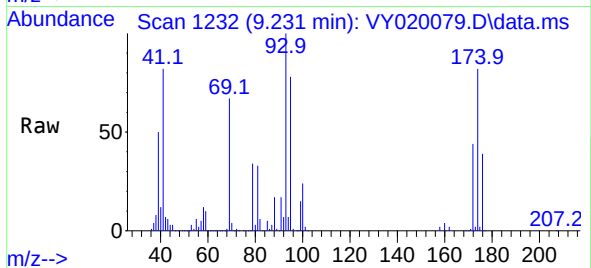
Tgt Ion: 88 Resp: 39210

Ion Ratio Lower Upper

88 100

43 39.3 0.0 0.0#

58 75.0 49.3 73.9#



#50

Toluene-d8

Concen: 109.036 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020079.D

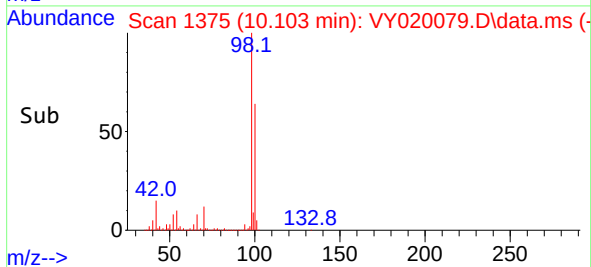
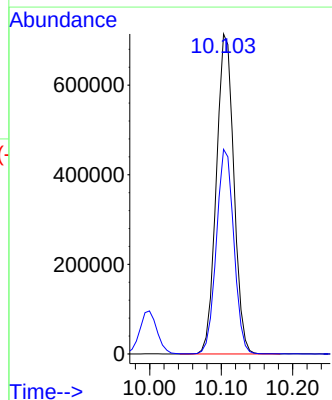
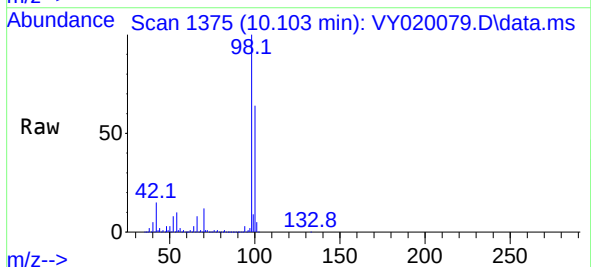
Acq: 30 Oct 2024 14:29

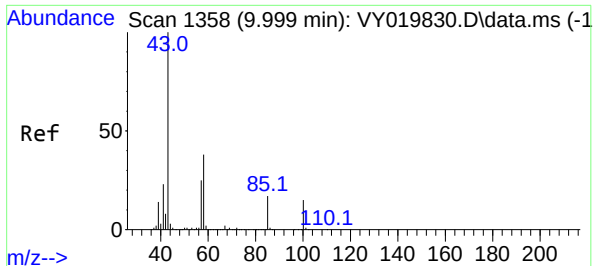
Tgt Ion: 98 Resp: 1212617

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0

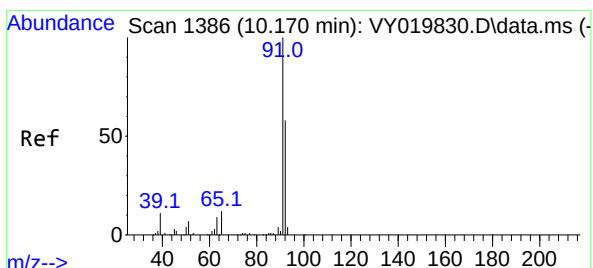
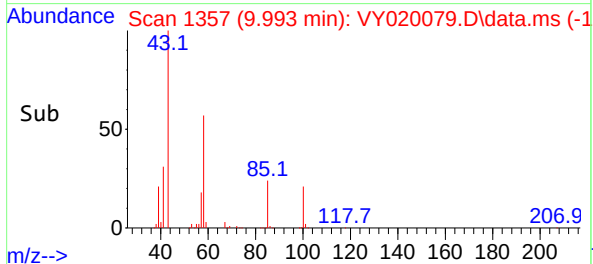
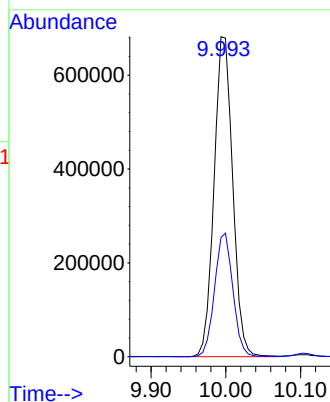
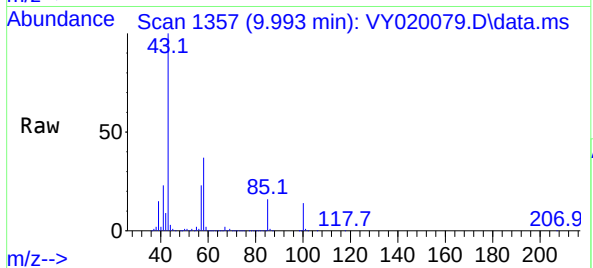




#51  
4-Methyl-2-Pentanone  
Concen: 579.545 ug/l  
RT: 9.993 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

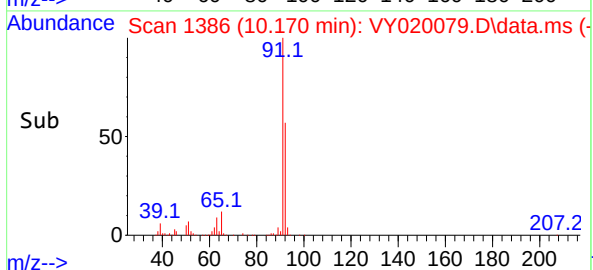
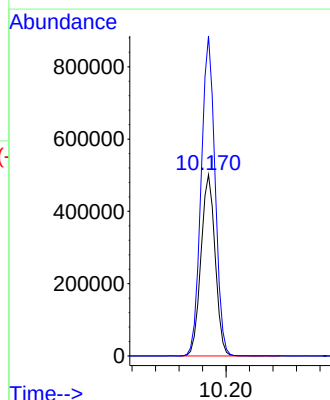
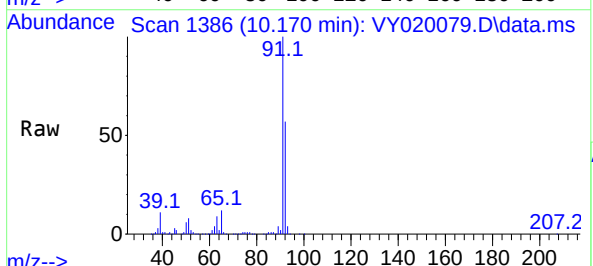
Instrument :  
MSVOA\_Y  
ClientSampleId :

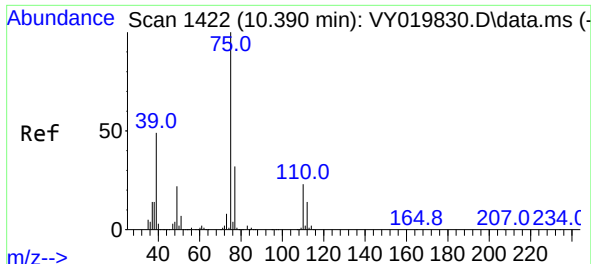
Tgt Ion: 43 Resp: 1181631  
Ion Ratio Lower Upper  
43 100  
58 37.9 35.7 53.5



#52  
Toluene  
Concen: 107.884 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 92 Resp: 837777  
Ion Ratio Lower Upper  
92 100  
91 173.6 139.0 208.6

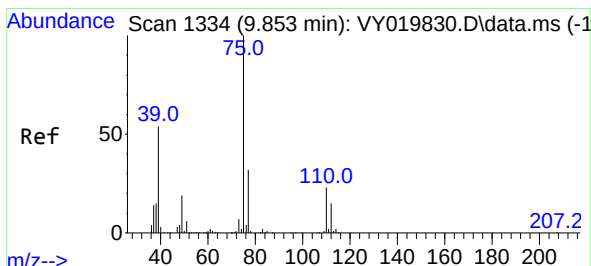
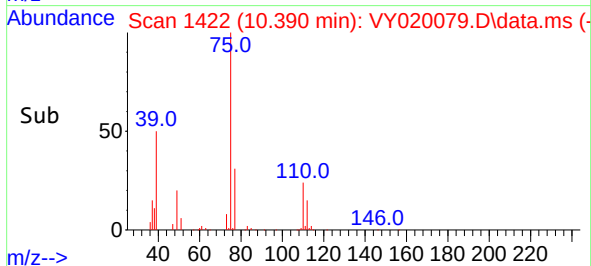
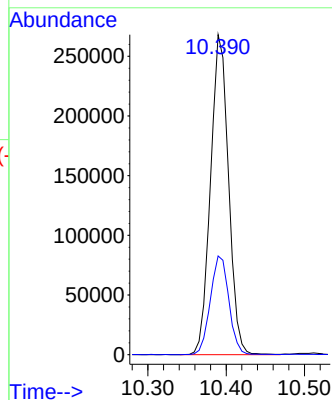
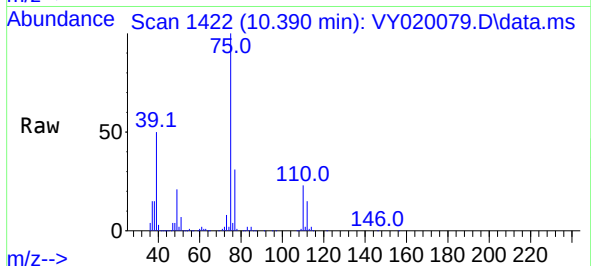




#53  
t-1,3-Dichloropropene  
Concen: 113.169 ug/l  
RT: 10.390 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

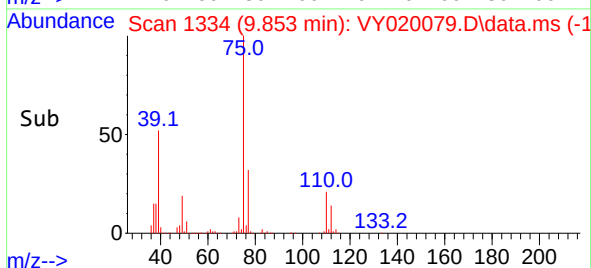
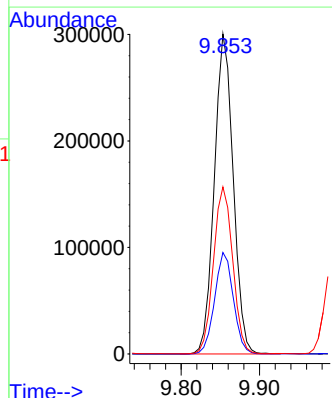
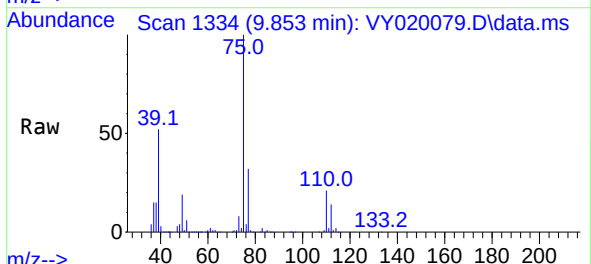
Instrument :  
MSVOA\_Y  
ClientSampleId :

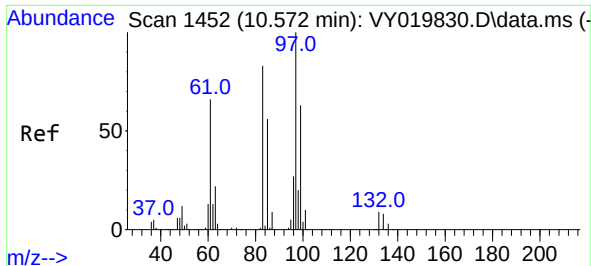
Tgt Ion: 75 Resp: 427557  
Ion Ratio Lower Upper  
75 100  
77 30.8 24.1 36.1



#54  
cis-1,3-Dichloropropene  
Concen: 111.673 ug/l  
RT: 9.853 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

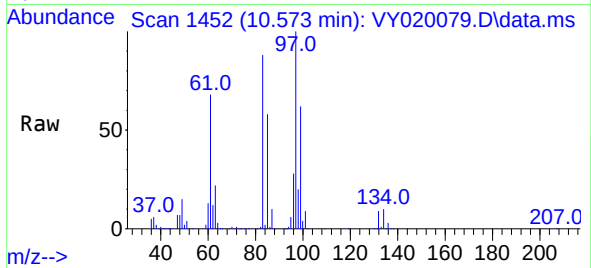
Tgt Ion: 75 Resp: 503580  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.4 38.0  
39 52.1 29.8 44.6#





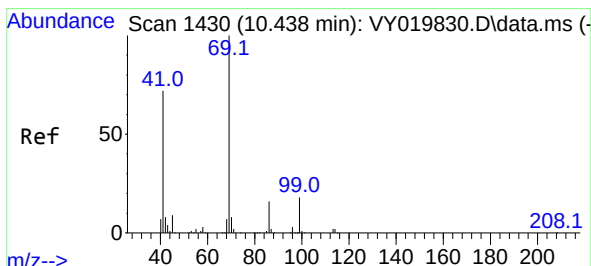
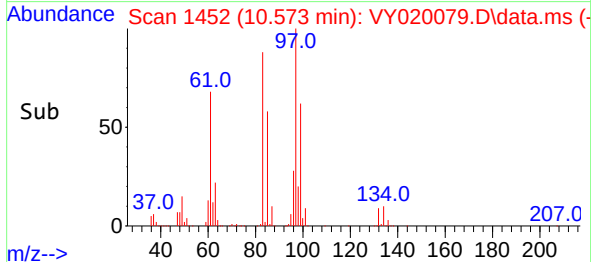
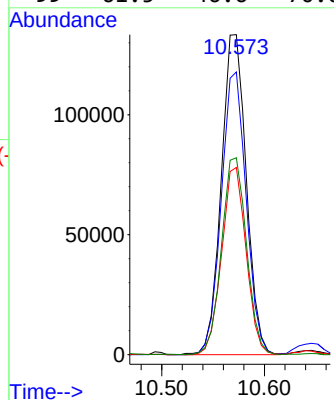
#55  
1,1,2-Trichloroethane  
Concen: 111.140 ug/l  
RT: 10.573 min Scan# 1452  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 97 Resp: 225678

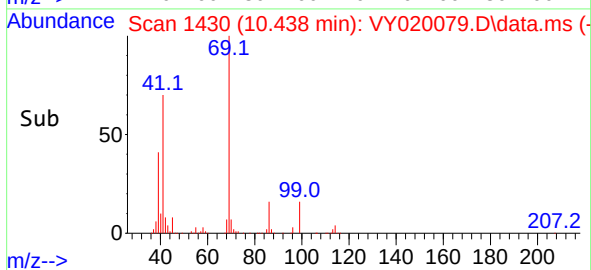
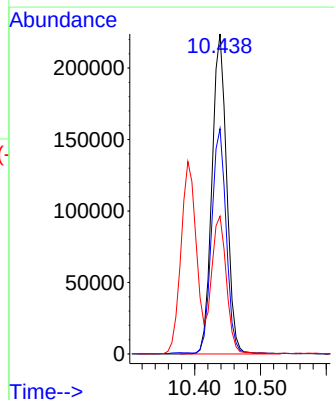
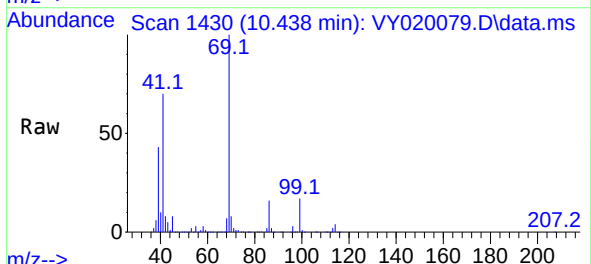
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 88.3  | 67.5  | 101.3 |
| 85  | 58.4  | 42.9  | 64.3  |
| 99  | 61.5  | 46.6  | 70.0  |



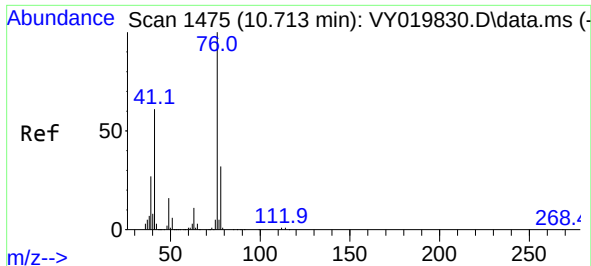
#56  
Ethyl methacrylate  
Concen: 119.433 ug/l  
RT: 10.438 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 69 Resp: 347881

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 69.8  | 42.3  | 63.5# |
| 39  | 43.2  | 22.9  | 34.3# |







#57

1,3-Dichloropropane

Concen: 109.673 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA\_Y

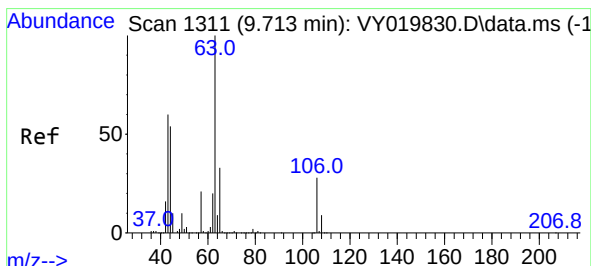
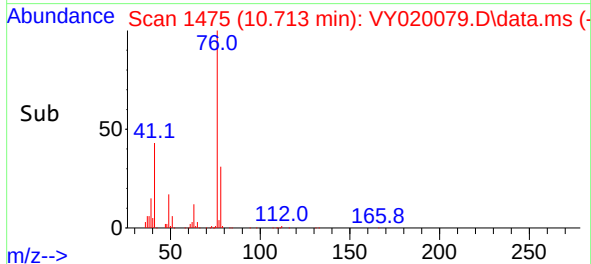
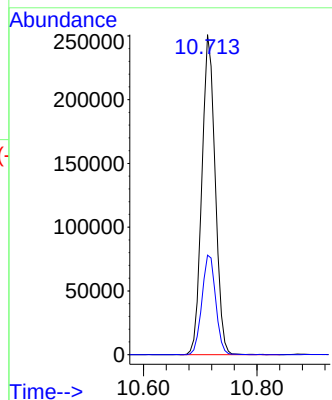
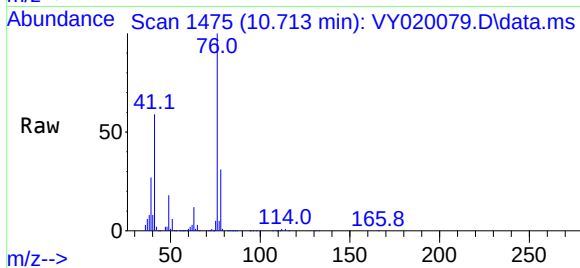
ClientSampleId :

Tgt Ion: 76 Resp: 407824

Ion Ratio Lower Upper

76 100

78 32.2 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 568.215 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.006 min

Lab File: VY020079.D

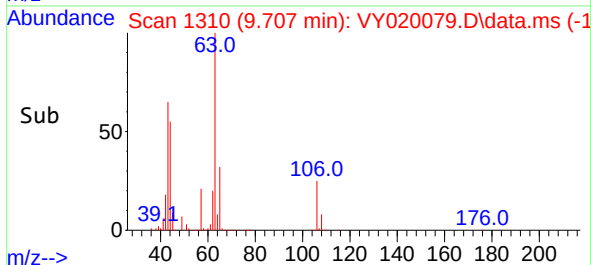
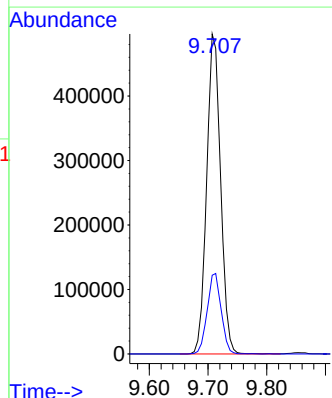
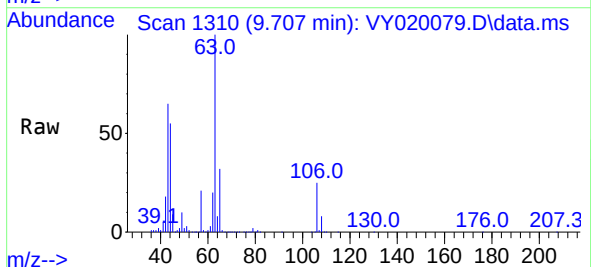
Acq: 30 Oct 2024 14:29

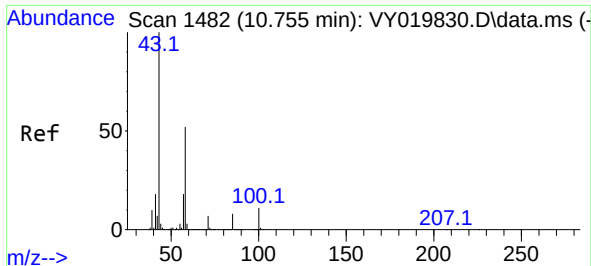
Tgt Ion: 63 Resp: 816231

Ion Ratio Lower Upper

63 100

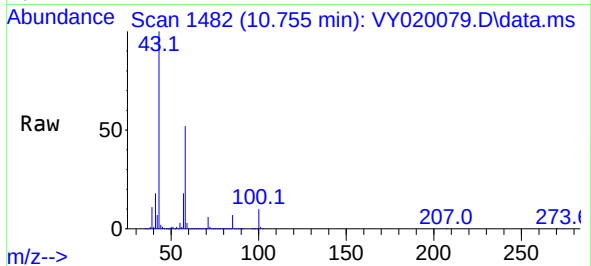
106 25.2 23.7 35.5



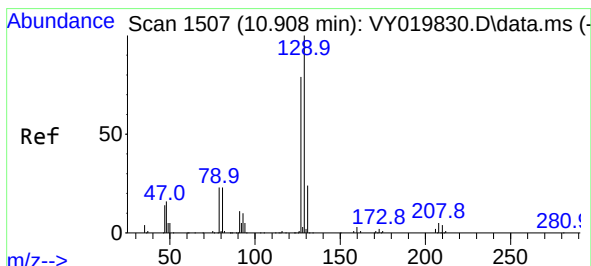
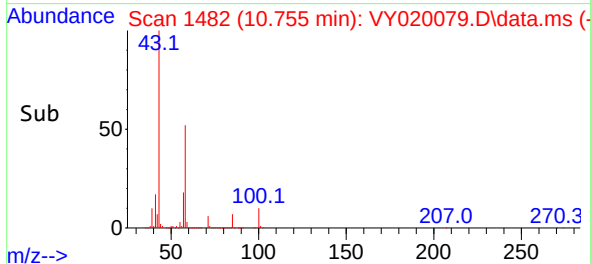
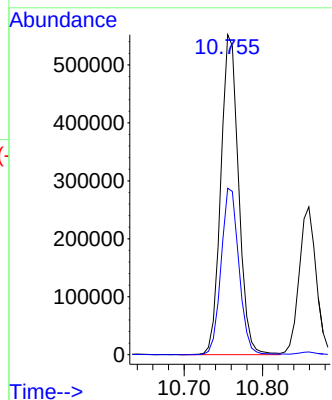


#59  
2-Hexanone  
Concen: 595.784 ug/l  
RT: 10.755 min Scan# 1482  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Instrument :  
MSVOA\_Y  
ClientSampleId :

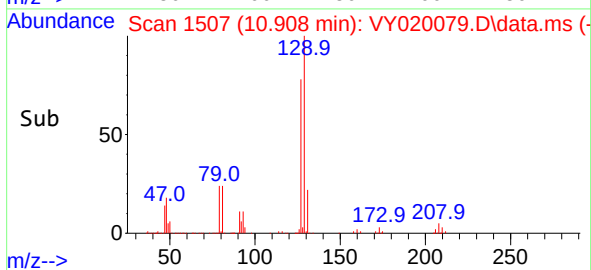
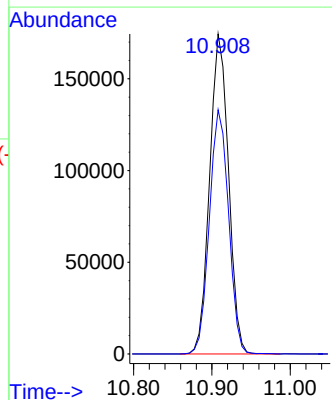
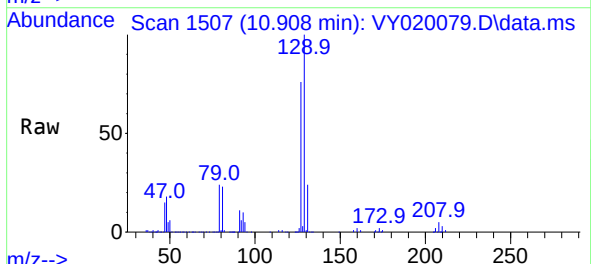


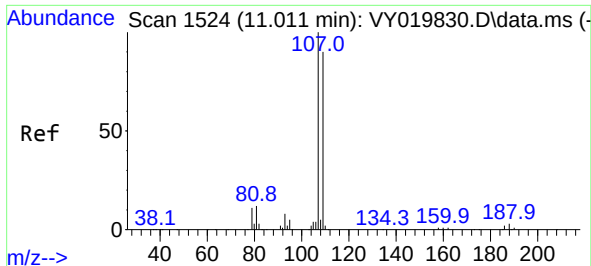
Tgt Ion: 43 Resp: 870879  
Ion Ratio Lower Upper  
43 100  
58 52.3 31.4 94.0



#60  
Dibromochloromethane  
Concen: 112.692 ug/l  
RT: 10.908 min Scan# 1507  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion:129 Resp: 291690  
Ion Ratio Lower Upper  
129 100  
127 77.7 39.0 117.0

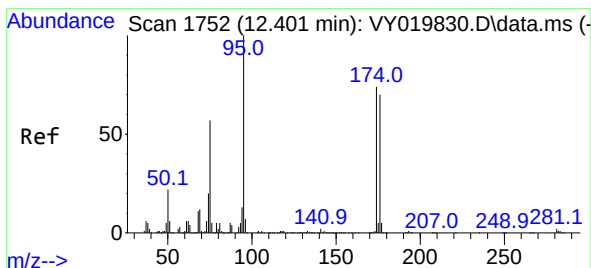
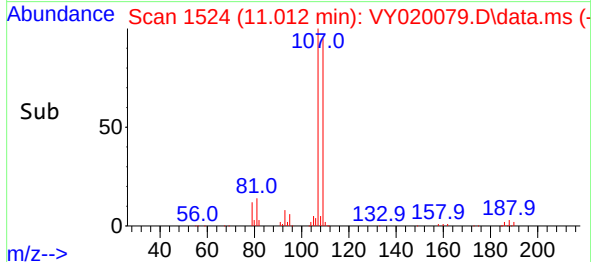
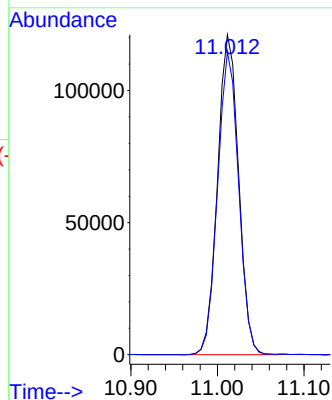
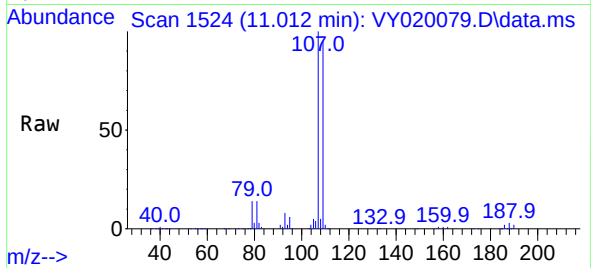




#61  
1,2-Dibromoethane  
Concen: 108.533 ug/l  
RT: 11.012 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

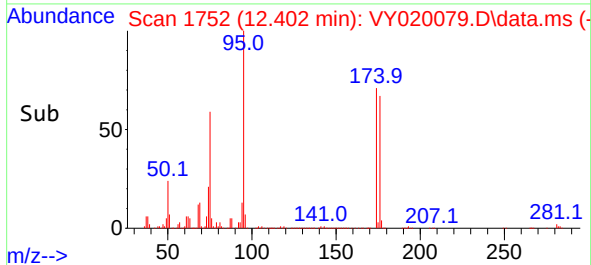
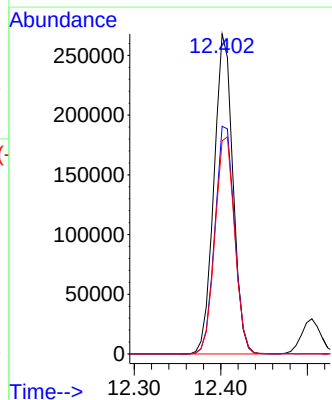
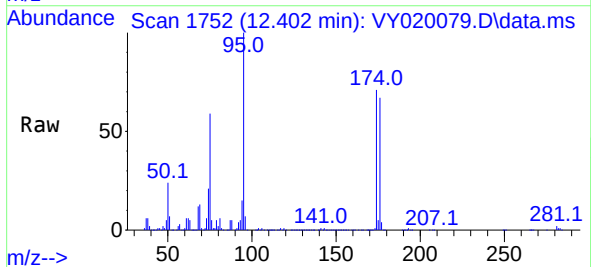
Instrument :  
MSVOA\_Y  
ClientSampleId :

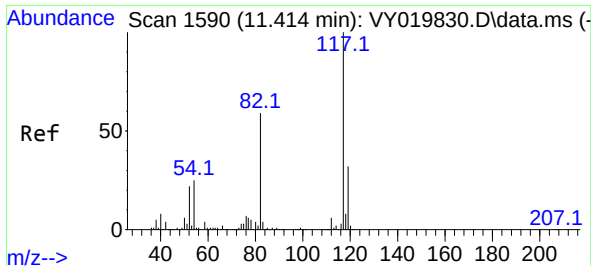
Tgt Ion:107 Resp: 204752  
Ion Ratio Lower Upper  
107 100  
109 94.2 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 112.722 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 95 Resp: 407188  
Ion Ratio Lower Upper  
95 100  
174 73.8 0.0 175.6  
176 70.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

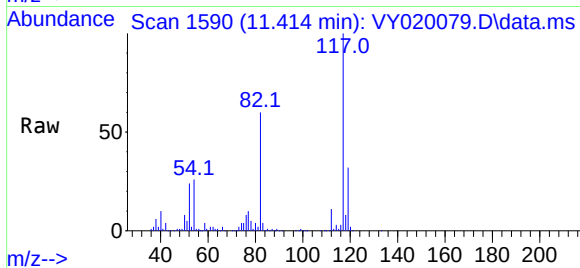
Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA\_Y

ClientSampleId :



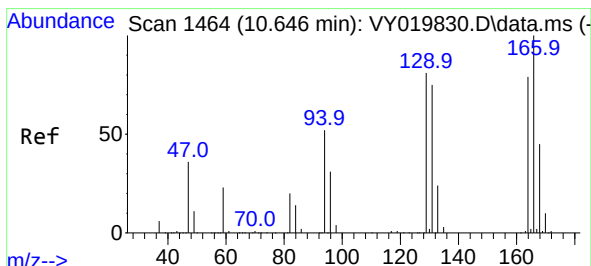
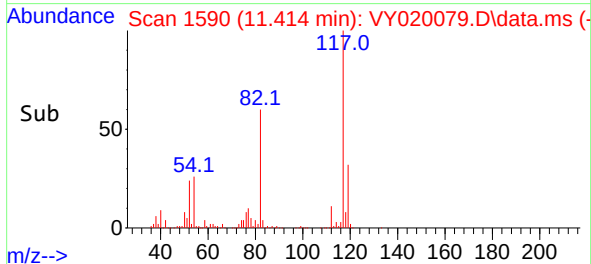
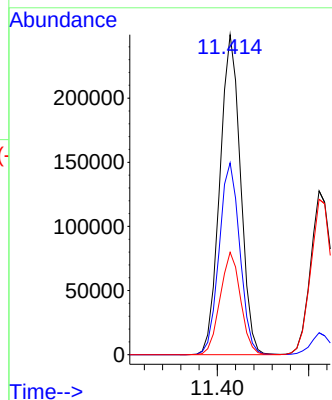
Tgt Ion:117 Resp: 392085

Ion Ratio Lower Upper

117 100

82 59.9 42.4 63.6

119 32.0 25.9 38.9



#64

Tetrachloroethene

Concen: 104.092 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion:164 Resp: 269475

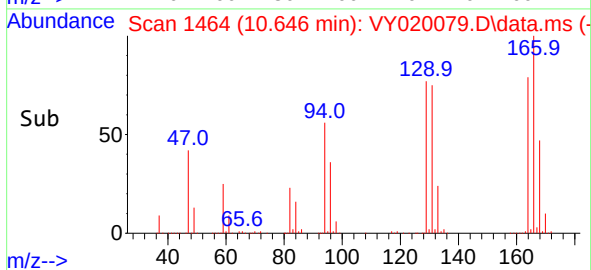
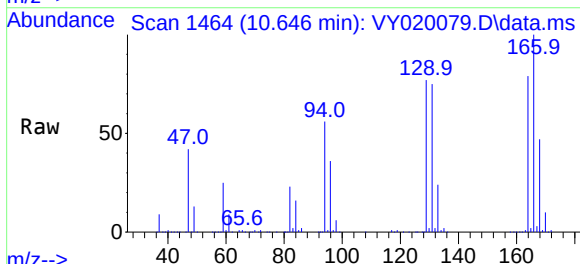
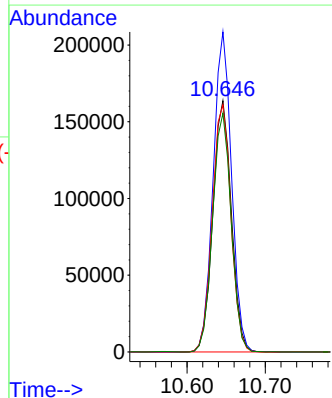
Ion Ratio Lower Upper

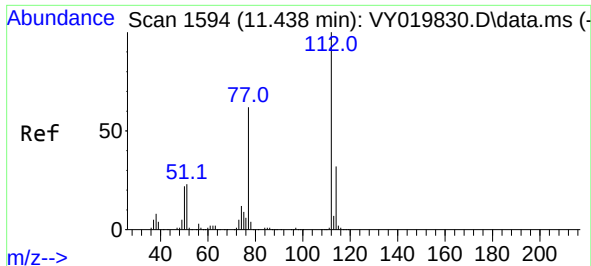
164 100

166 127.4 102.6 154.0

129 98.4 72.0 108.0

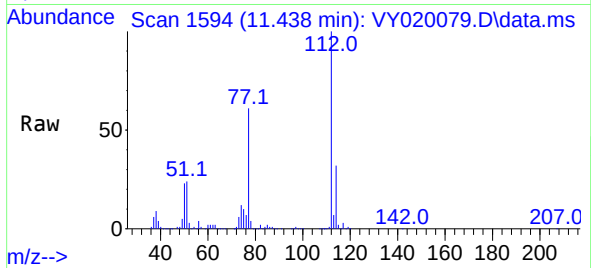
131 95.0 70.0 105.0



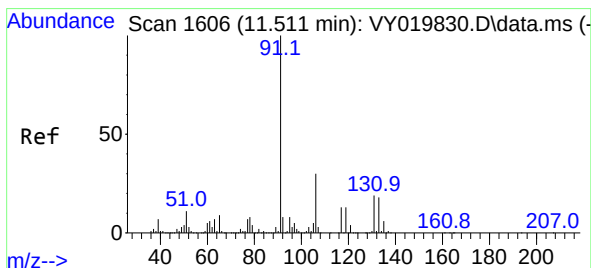
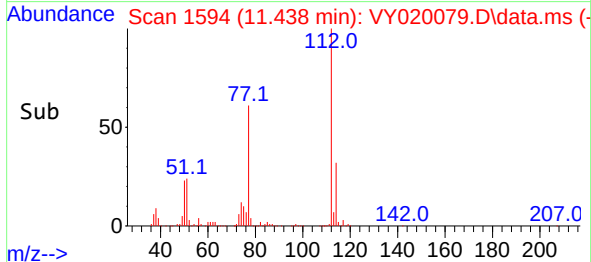
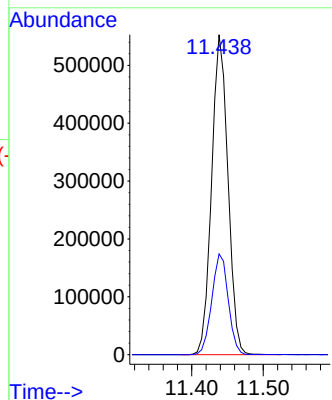


#65  
Chlorobenzene  
Concen: 104.593 ug/l  
RT: 11.438 min Scan# 111  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Instrument :  
MSVOA\_Y  
ClientSampleId :

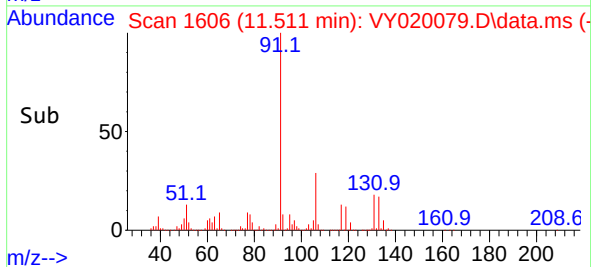
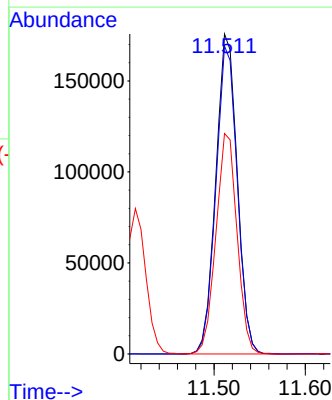
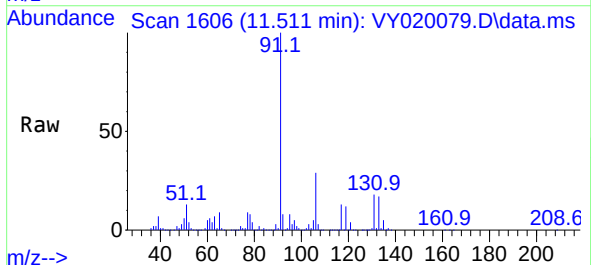


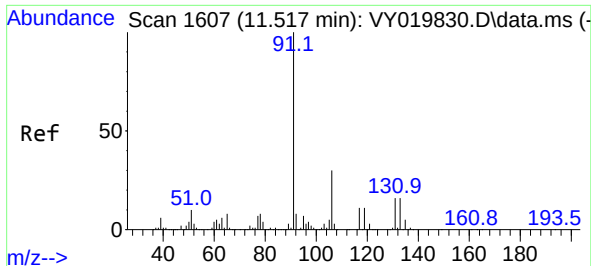
Tgt Ion:112 Resp: 873808  
Ion Ratio Lower Upper  
112 100  
114 31.5 26.4 39.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 107.328 ug/l  
RT: 11.511 min Scan# 1606  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion:131 Resp: 286476  
Ion Ratio Lower Upper  
131 100  
133 96.0 47.8 143.3  
119 67.9 34.1 102.2





#67

Ethyl Benzene

Concen: 106.144 ug/l

RT: 11.518 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA\_Y

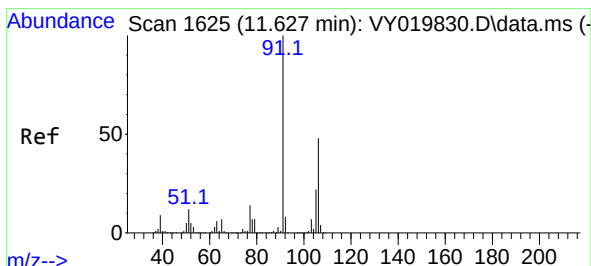
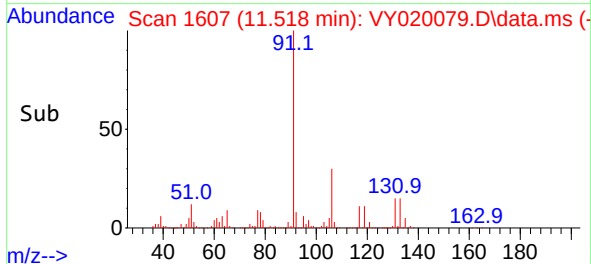
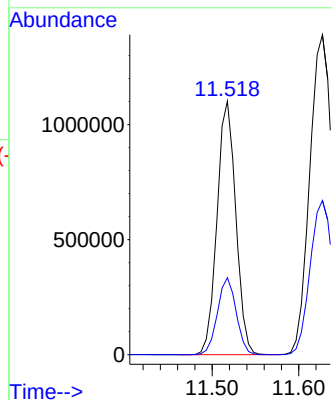
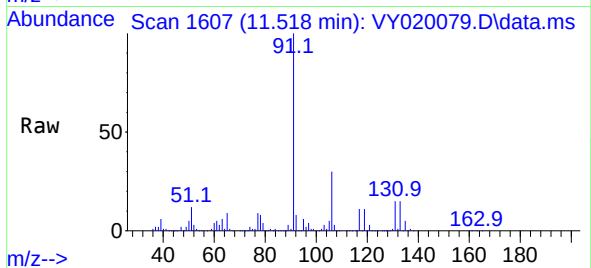
ClientSampleId :

Tgt Ion: 91 Resp: 1657653

Ion Ratio Lower Upper

91 100

106 30.3 24.5 36.7



#68

m/p-Xylenes

Concen: 213.817 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020079.D

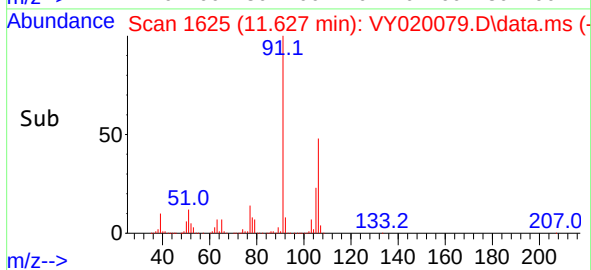
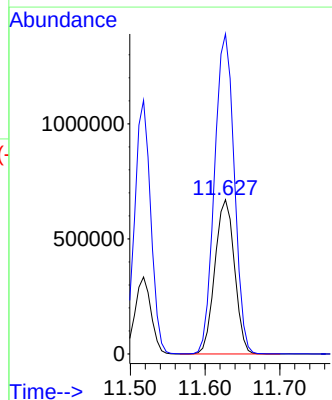
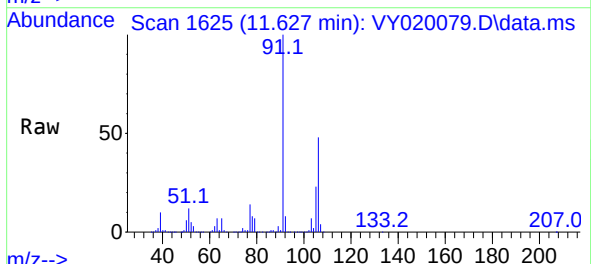
Acq: 30 Oct 2024 14:29

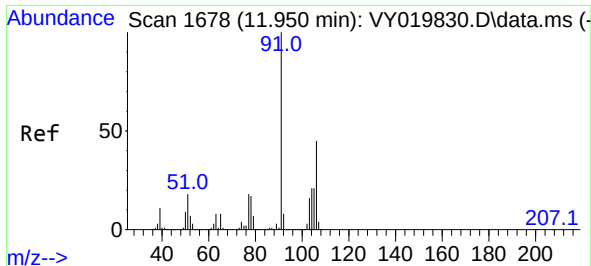
Tgt Ion:106 Resp: 1221696

Ion Ratio Lower Upper

106 100

91 208.9 156.0 234.0

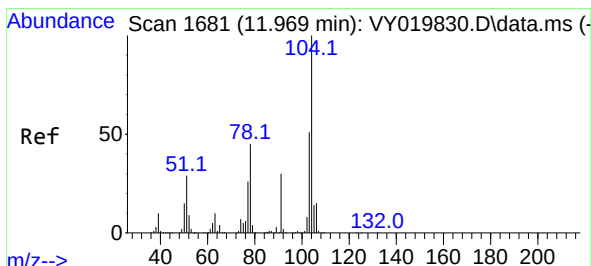
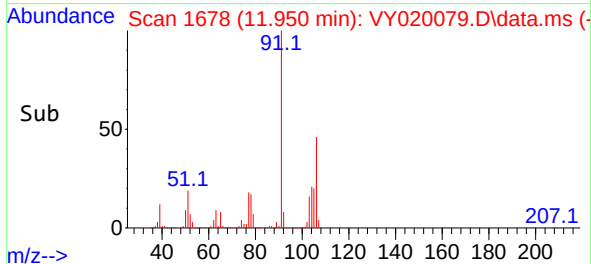
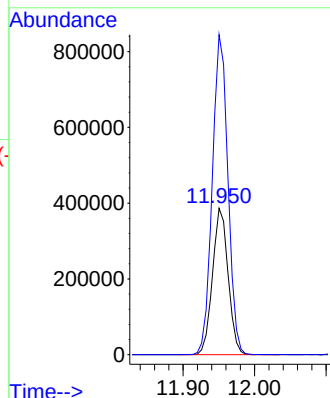
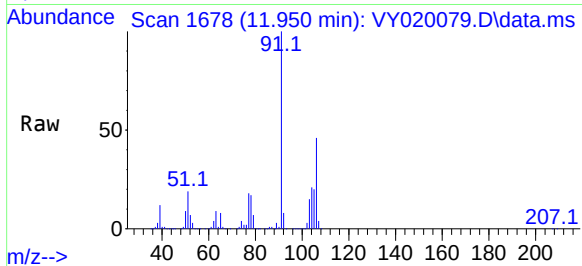




#69  
o-Xylene  
Concen: 108.052 ug/l  
RT: 11.950 min Scan# 1678  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

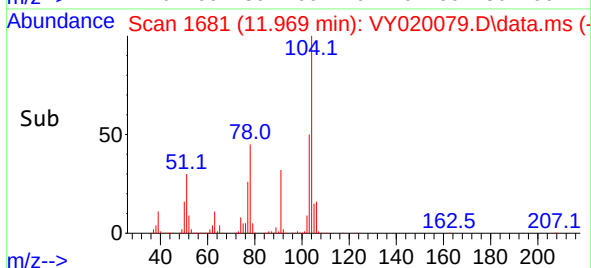
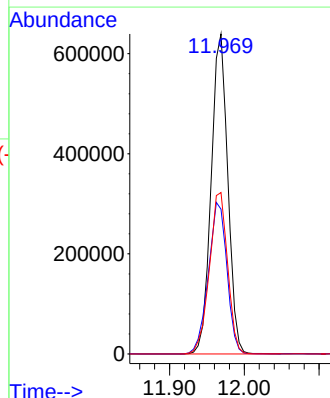
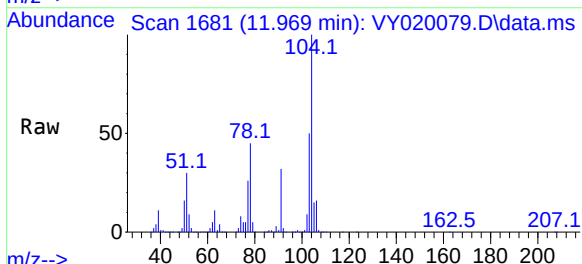
Instrument :  
MSVOA\_Y  
ClientSampleId :

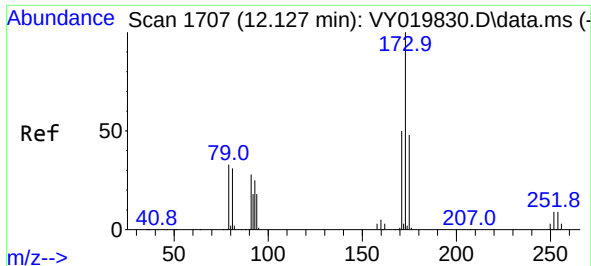
Tgt Ion:106 Resp: 584516  
Ion Ratio Lower Upper  
106 100  
91 219.2 103.6 310.8



#70  
Styrene  
Concen: 110.395 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion:104 Resp: 987405  
Ion Ratio Lower Upper  
104 100  
78 53.0 37.0 55.4  
103 55.4 44.2 66.2

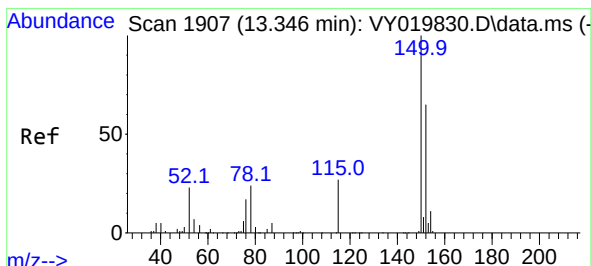
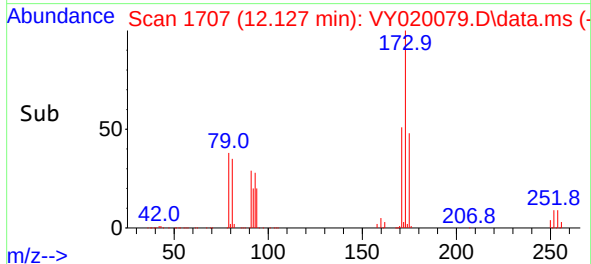
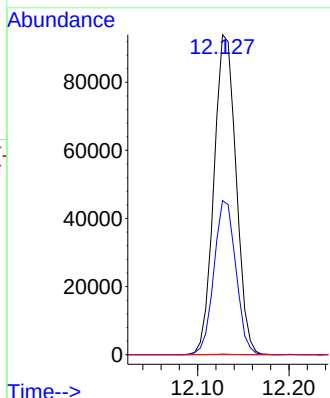
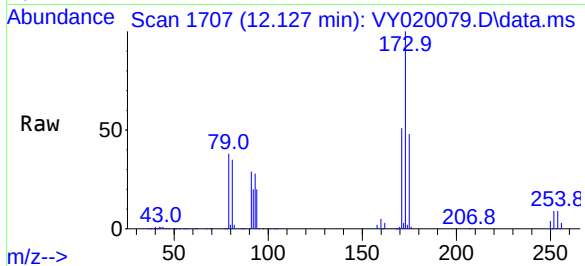




#71  
Bromoform  
Concen: 115.611 ug/l  
RT: 12.127 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

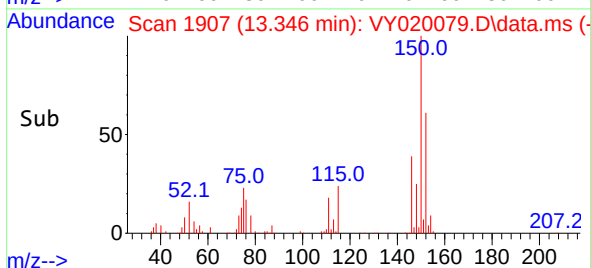
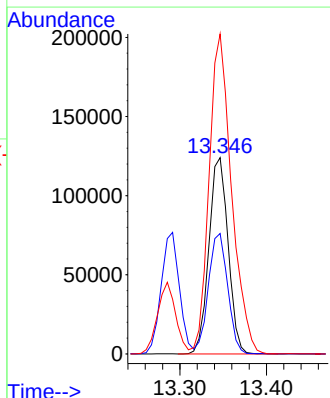
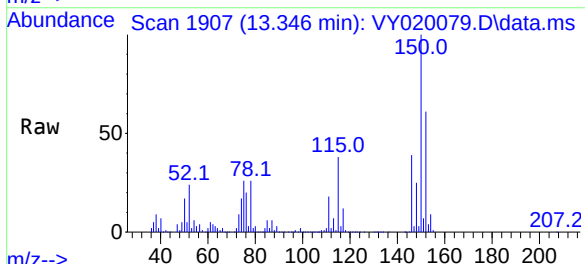
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:173 Resp: 158309  
Ion Ratio Lower Upper  
173 100  
175 47.7 25.1 75.3  
254 0.1 0.0 0.0#

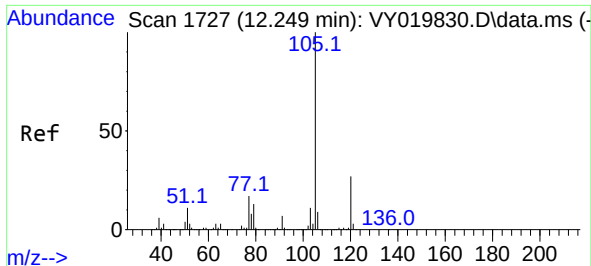


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion:152 Resp: 191175  
Ion Ratio Lower Upper  
152 100  
115 61.5 28.2 84.7  
150 190.4 0.0 345.6



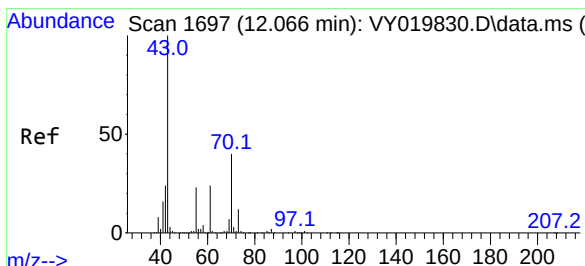
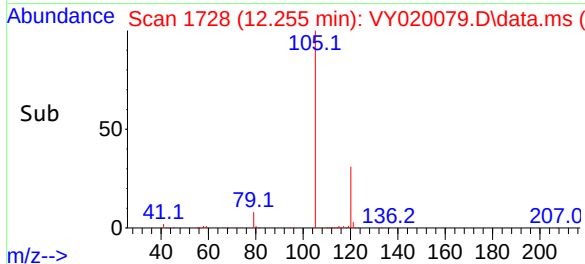
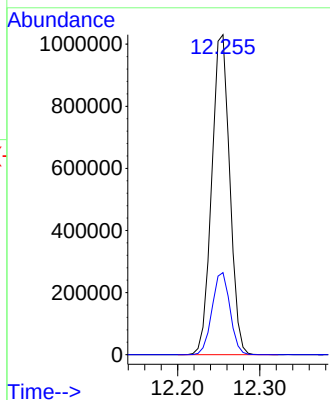
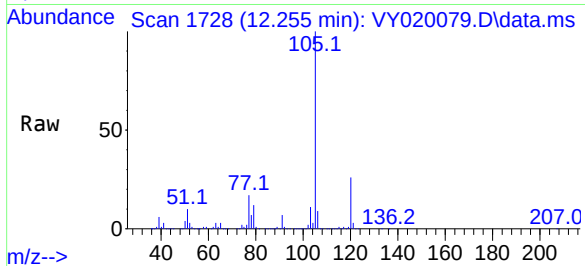




#73  
Isopropylbenzene  
Concen: 102.623 ug/l  
RT: 12.255 min Scan# 1728  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

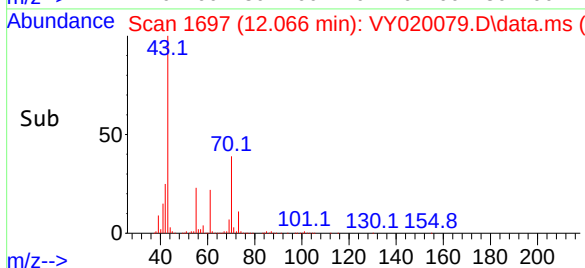
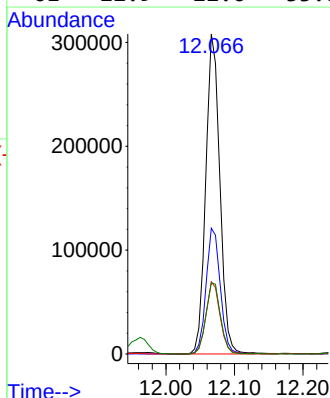
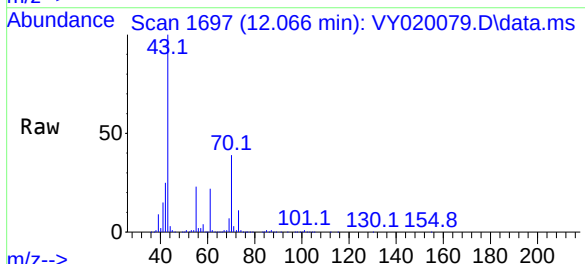
Instrument :  
MSVOA\_Y  
ClientSampleId :

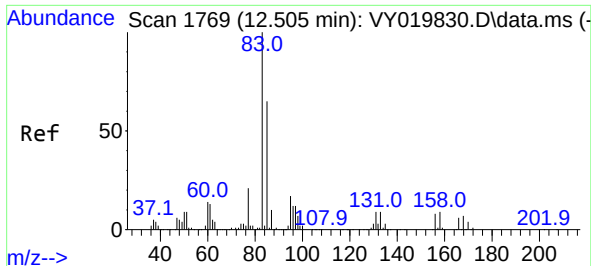
Tgt Ion:105 Resp: 1567277  
Ion Ratio Lower Upper  
105 100  
120 25.6 13.4 40.1



#74  
N-ethyl acetate  
Concen: 115.753 ug/l  
RT: 12.066 min Scan# 1697  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 43 Resp: 441898  
Ion Ratio Lower Upper  
43 100  
70 39.6 41.4 62.2#  
55 22.8 23.3 34.9#  
61 22.9 22.6 33.8

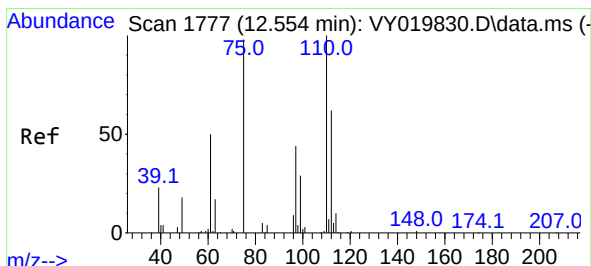
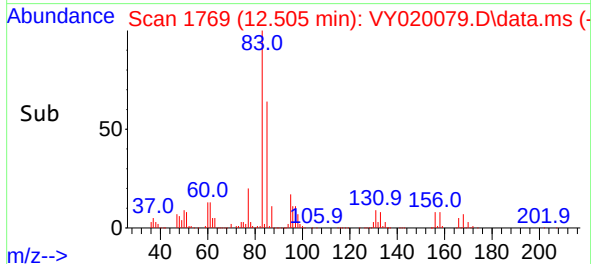
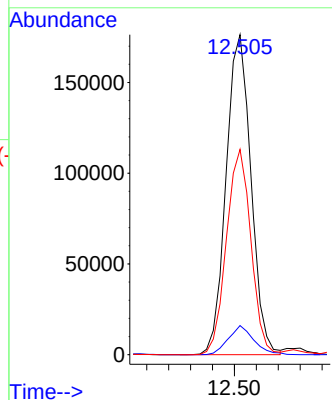
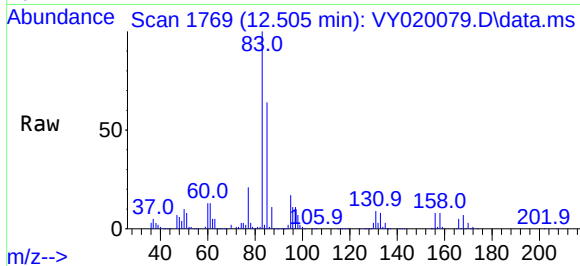




#75  
1,1,2-Tetrachloroethane  
Concen: 104.054 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

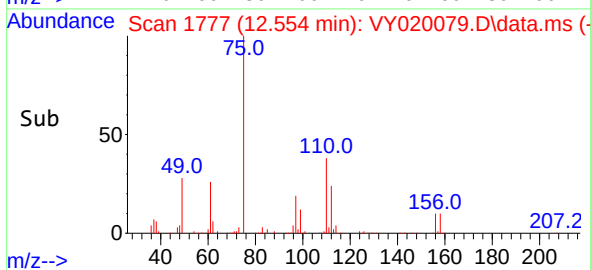
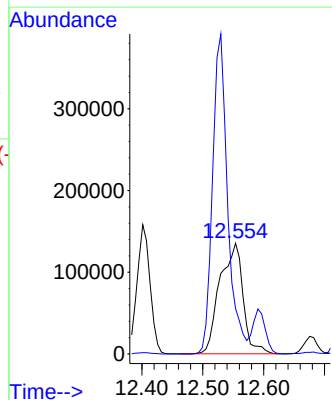
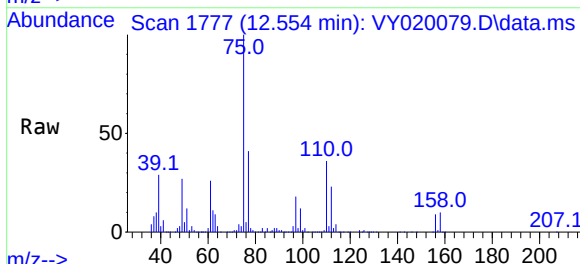
Instrument :  
MSVOA\_Y  
ClientSampleId :

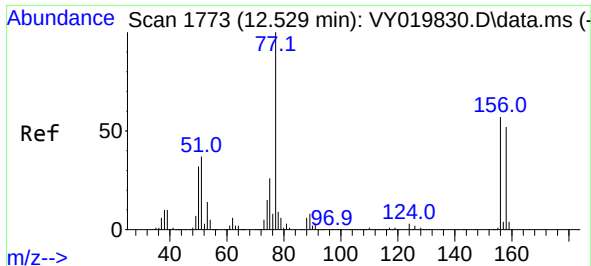
Tgt Ion: 83 Resp: 277920  
Ion Ratio Lower Upper  
83 100  
131 9.3 5.0 14.9  
85 63.2 32.0 96.0



#76  
1,2,3-Trichloropropane  
Concen: 200.087 ug/l  
RT: 12.554 min Scan# 1777  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 75 Resp: 358569  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

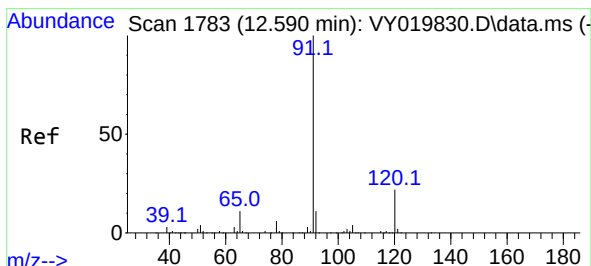
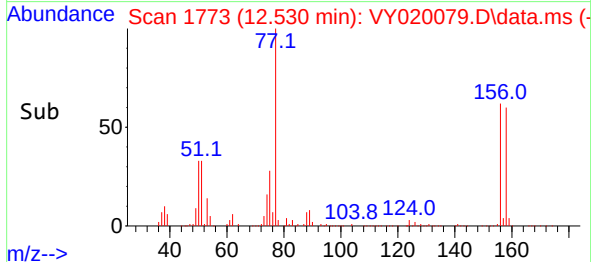
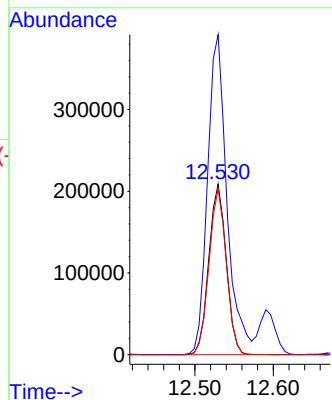
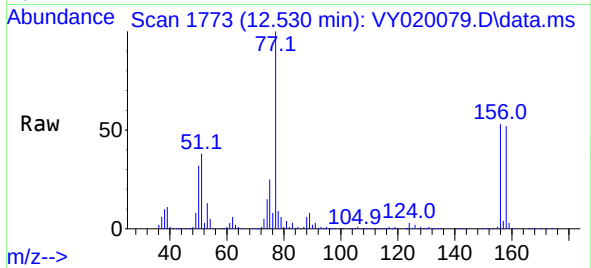




#77  
Bromobenzene  
Concen: 104.321 ug/l  
RT: 12.530 min Scan# 1773  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

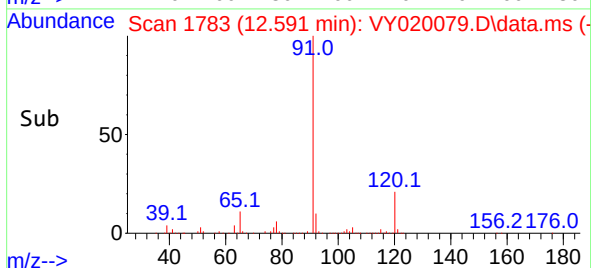
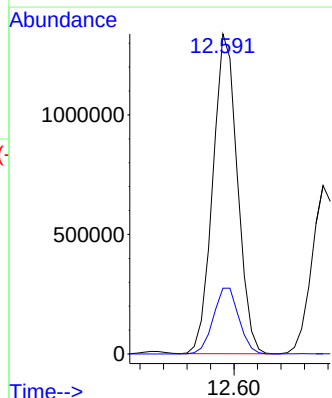
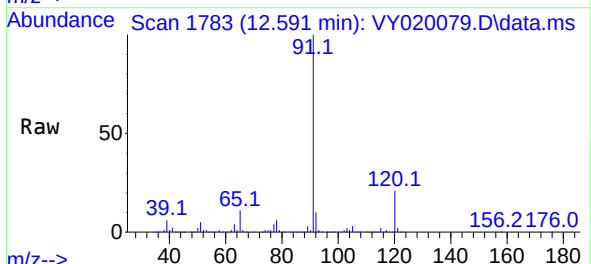
Instrument :  
MSVOA\_Y  
ClientSampleId :

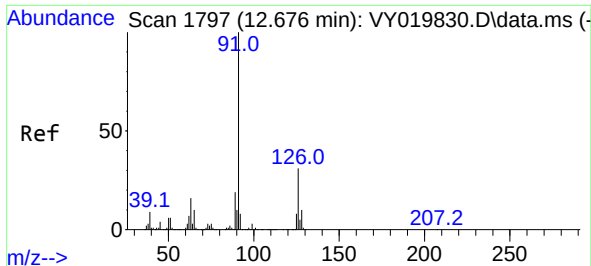
Tgt Ion:156 Resp: 322208  
Ion Ratio Lower Upper  
156 100  
77 208.6 87.1 261.3  
158 96.1 48.6 145.9



#78  
n-propylbenzene  
Concen: 102.223 ug/l  
RT: 12.591 min Scan# 1783  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 91 Resp: 1942949  
Ion Ratio Lower Upper  
91 100  
120 21.4 11.5 34.4

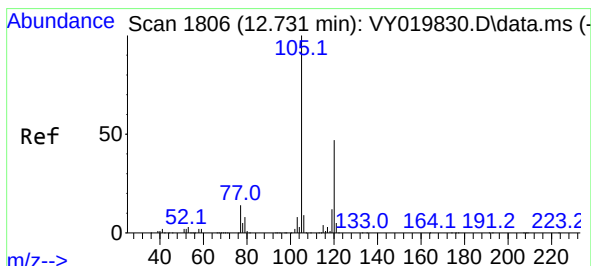
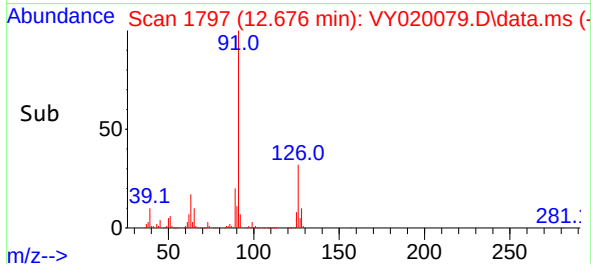
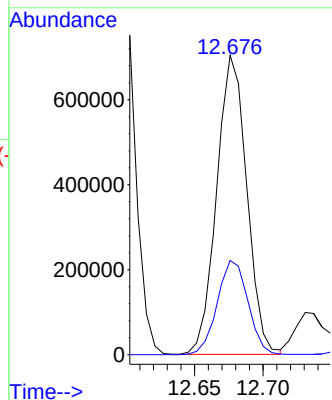
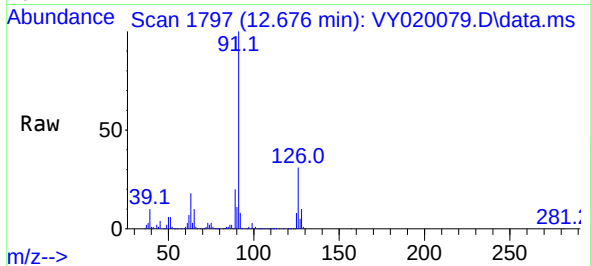




#79  
2-Chlorotoluene  
Concen: 101.977 ug/l  
RT: 12.676 min Scan# 1797  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

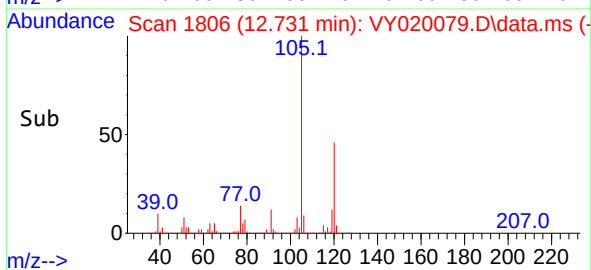
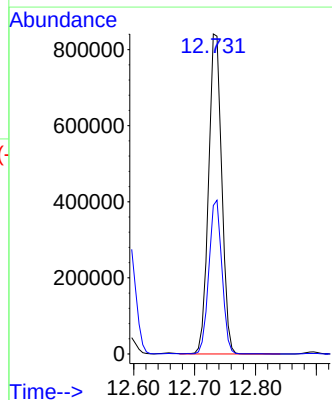
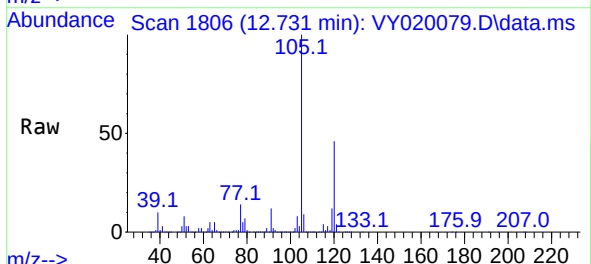
Instrument :  
MSVOA\_Y  
ClientSampleId :

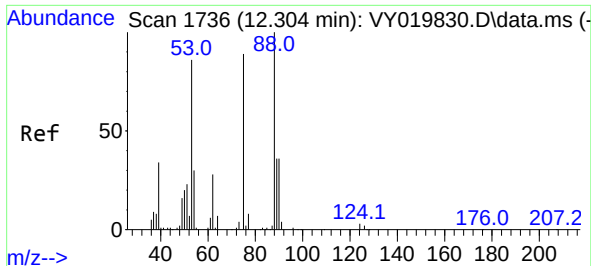
Tgt Ion: 91 Resp: 1075903  
Ion Ratio Lower Upper  
91 100  
126 32.1 17.8 53.5



#80  
1,3,5-Trimethylbenzene  
Concen: 103.225 ug/l  
RT: 12.731 min Scan# 1806  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion:105 Resp: 1265627  
Ion Ratio Lower Upper  
105 100  
120 47.7 25.1 75.2

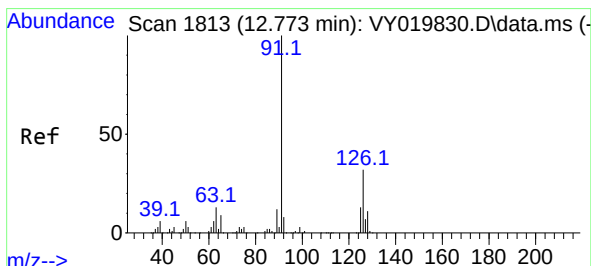
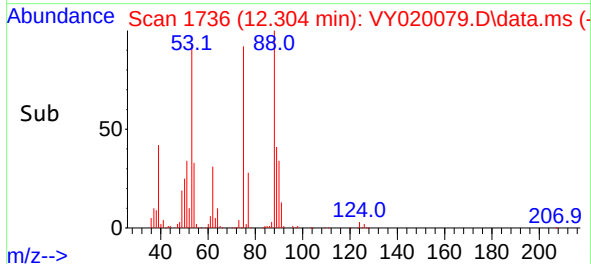
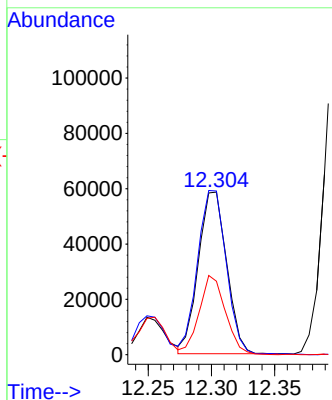
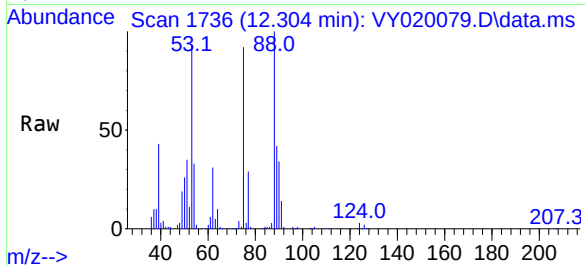




#81  
trans-1,4-Dichloro-2-butene  
Concen: 109.408 ug/l  
RT: 12.304 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

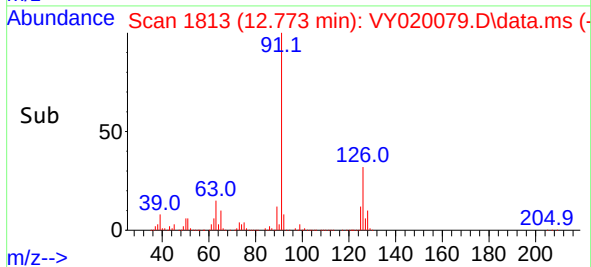
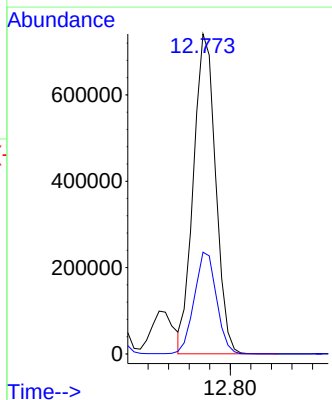
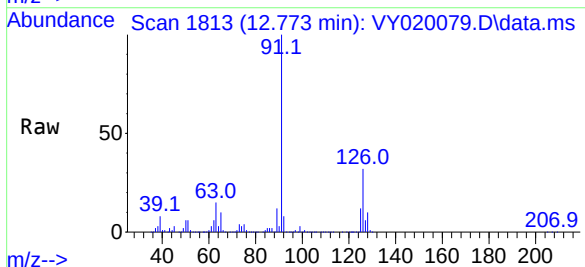
Instrument :  
MSVOA\_Y  
ClientSampleId :

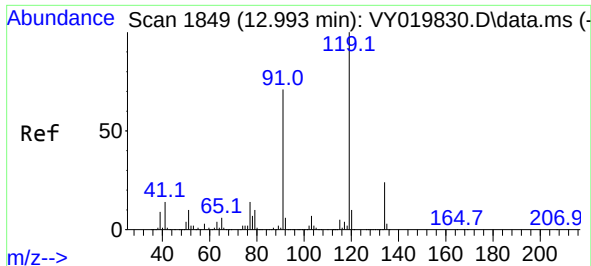
Tgt Ion: 75 Resp: 91153  
Ion Ratio Lower Upper  
75 100  
53 103.5 66.8 100.2#  
89 45.7 35.8 53.6



#82  
4-Chlorotoluene  
Concen: 103.226 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 91 Resp: 1110438  
Ion Ratio Lower Upper  
91 100  
126 32.1 17.6 52.9

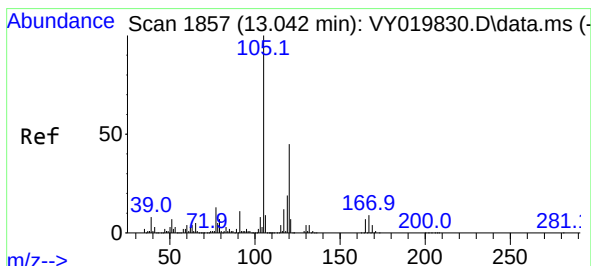
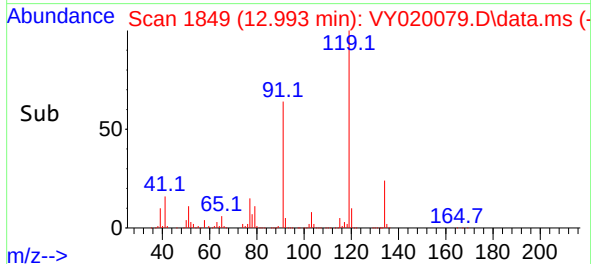
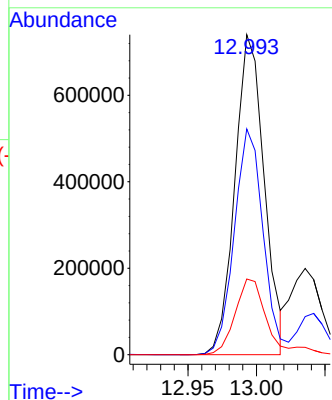
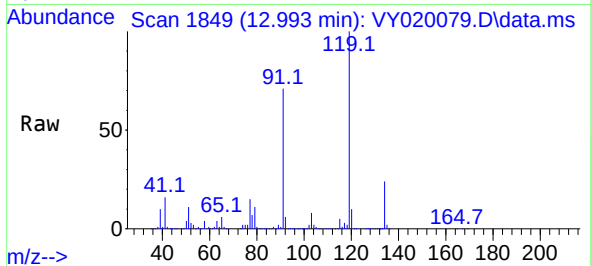




#83  
tert-Butylbenzene  
Concen: 102.978 ug/l  
RT: 12.993 min Scan# 119  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

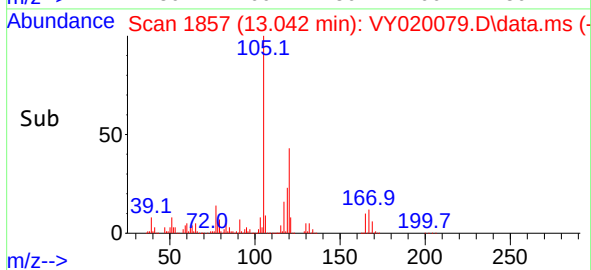
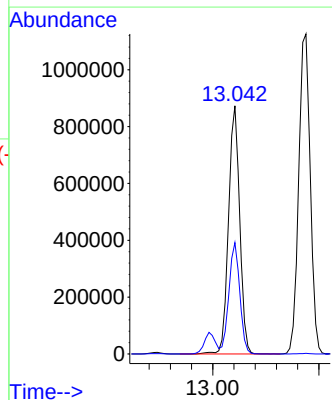
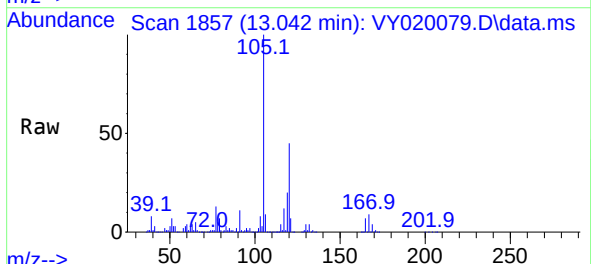
Instrument :  
MSVOA\_Y  
ClientSampleId :

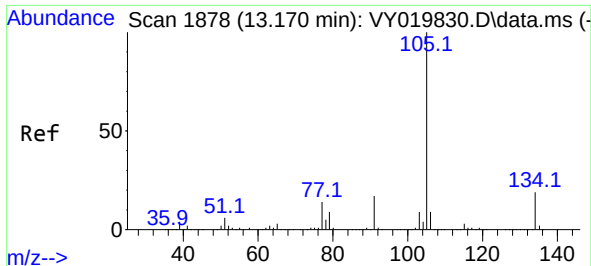
Tgt Ion:119 Resp: 1104057  
Ion Ratio Lower Upper  
119 100  
91 69.6 31.3 93.8  
134 25.9 13.4 40.1



#84  
1,2,4-Trimethylbenzene  
Concen: 105.103 ug/l  
RT: 13.042 min Scan# 1857  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion:105 Resp: 1276373  
Ion Ratio Lower Upper  
105 100  
120 44.0 23.2 69.6

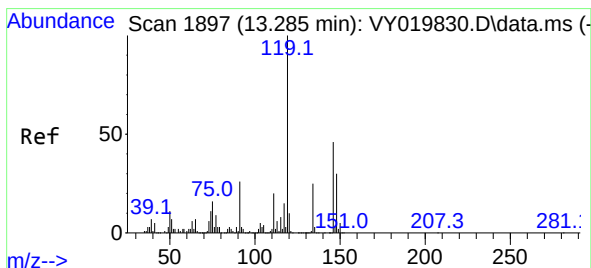
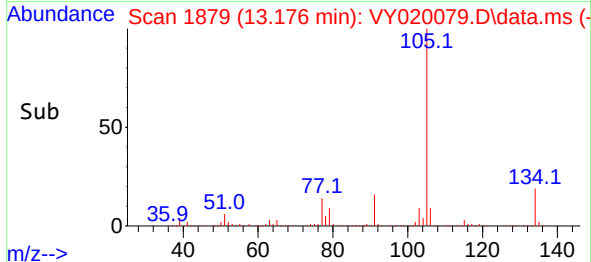
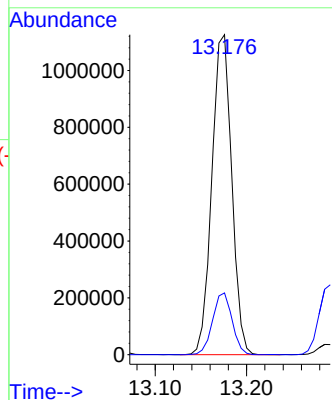
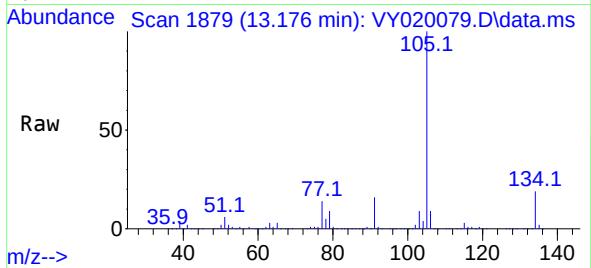




#85  
 sec-Butylbenzene  
 Concen: 103.150 ug/l  
 RT: 13.176 min Scan# 1878  
 Delta R.T. 0.000 min  
 Lab File: VY020079.D  
 Acq: 30 Oct 2024 14:29

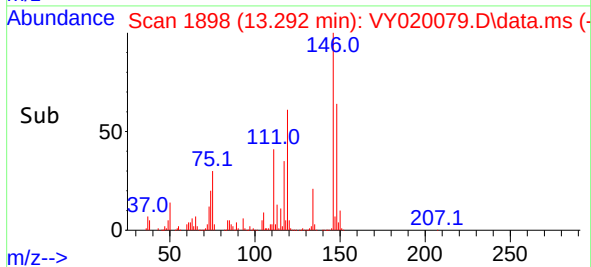
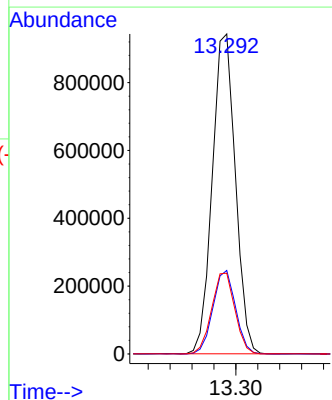
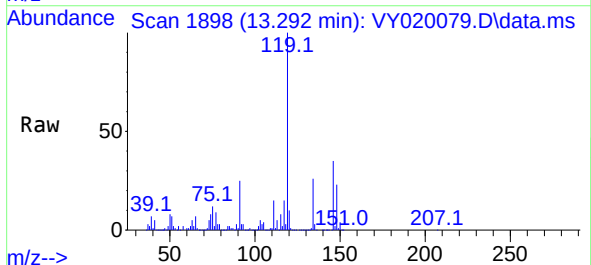
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

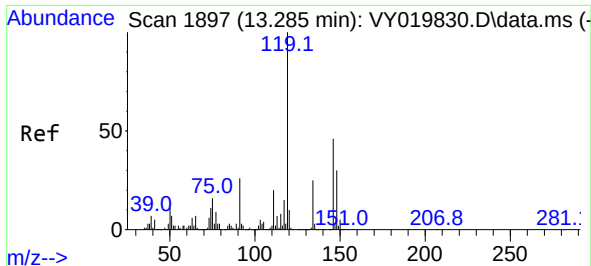
Tgt Ion:105 Resp: 1697744  
 Ion Ratio Lower Upper  
 105 100  
 134 19.0 10.1 30.1



#86  
 p-Isopropyltoluene  
 Concen: 104.706 ug/l  
 RT: 13.292 min Scan# 1898  
 Delta R.T. 0.000 min  
 Lab File: VY020079.D  
 Acq: 30 Oct 2024 14:29

Tgt Ion:119 Resp: 1382922  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 13.1 39.3  
 91 25.4 10.7 32.1

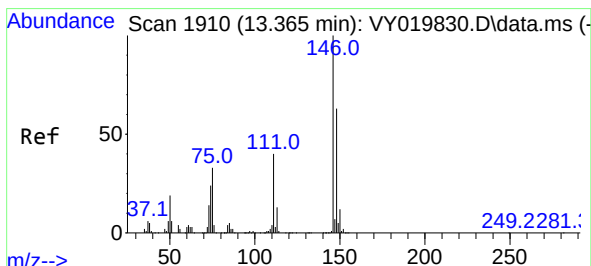
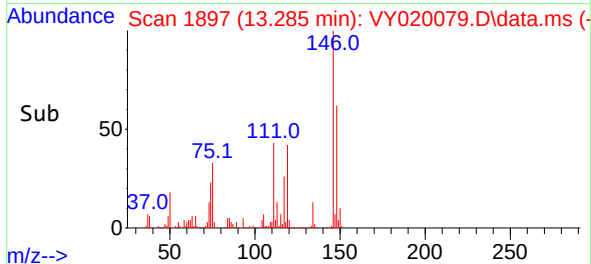
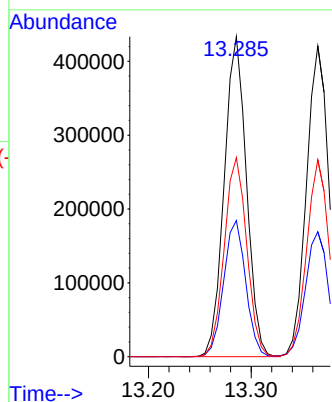
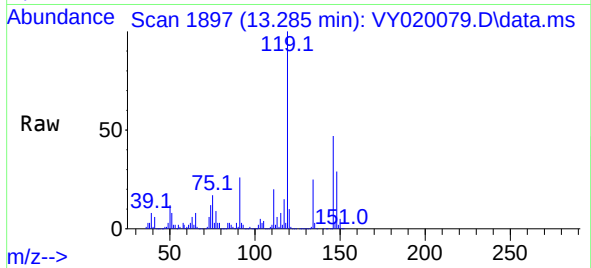




#87  
1,3-Dichlorobenzene  
Concen: 103.779 ug/l  
RT: 13.285 min Scan# 1897  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

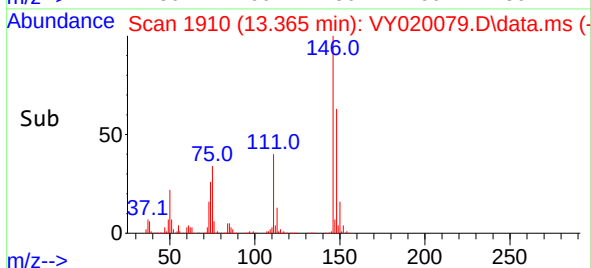
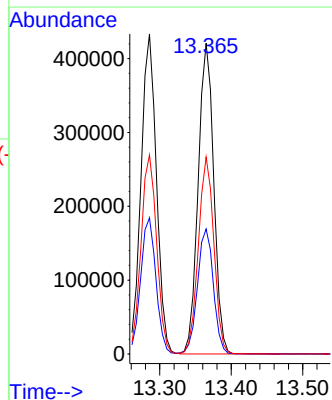
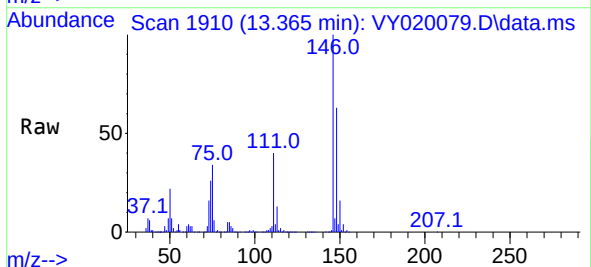
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:146 Resp: 651160  
Ion Ratio Lower Upper  
146 100  
111 42.3 19.0 57.0  
148 63.2 31.7 95.1

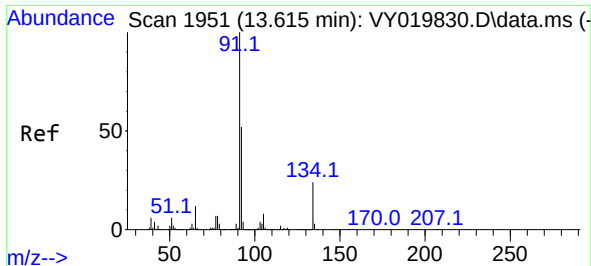


#88  
1,4-Dichlorobenzene  
Concen: 101.947 ug/l  
RT: 13.365 min Scan# 1910  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion:146 Resp: 637014  
Ion Ratio Lower Upper  
146 100  
111 40.9 18.4 55.4  
148 63.2 32.4 97.2

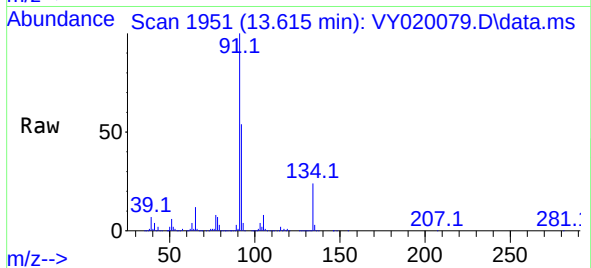






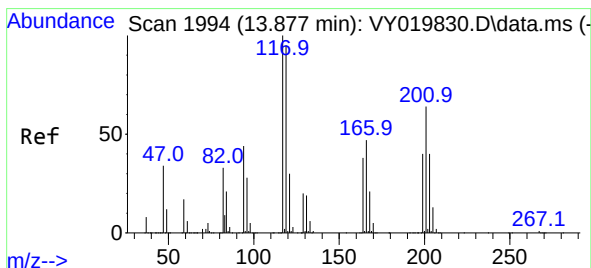
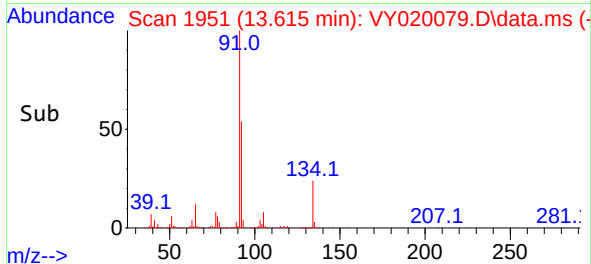
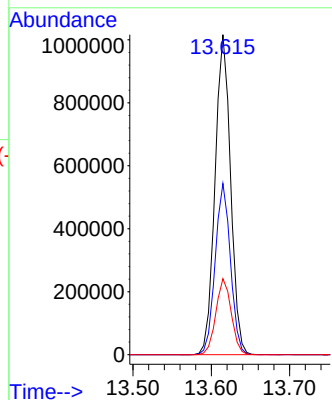
#89  
n-Butylbenzene  
Concen: 105.789 ug/l  
RT: 13.615 min Scan# 1951  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 91 Resp: 1400648

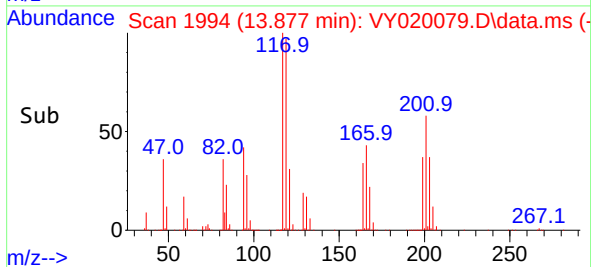
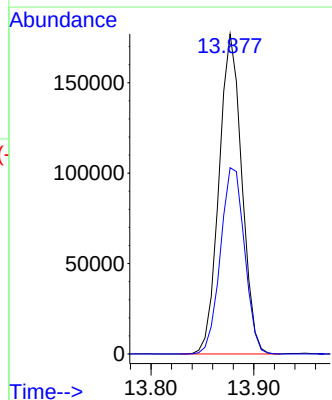
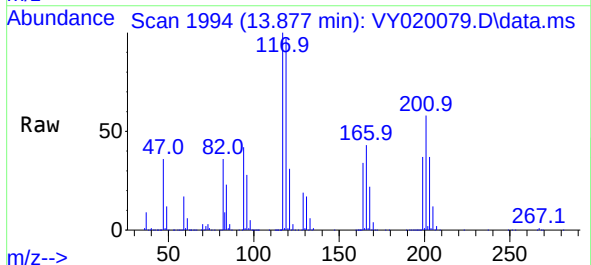
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 52.7  | 26.6  | 79.7  |
| 134 | 23.6  | 12.9  | 38.7  |

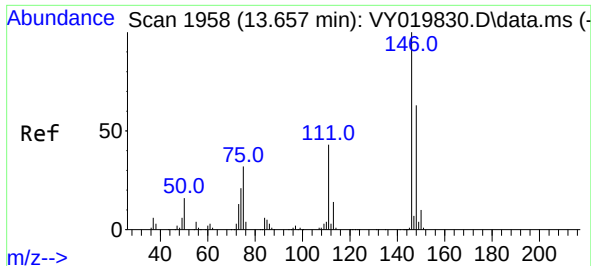


#90  
Hexachloroethane  
Concen: 104.340 ug/l  
RT: 13.877 min Scan# 1994  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Tgt Ion: 117 Resp: 272543

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 61.5  | 37.4  | 112.2 |





#91

1,2-Dichlorobenzene

Concen: 103.946 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA\_Y

ClientSampleId :

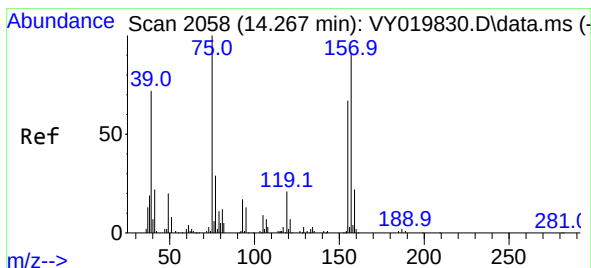
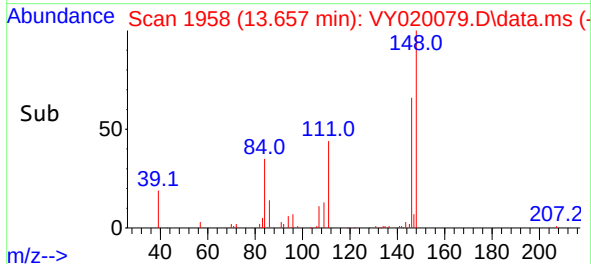
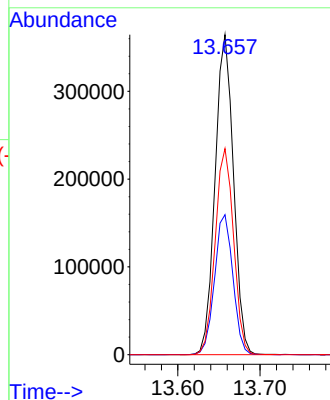
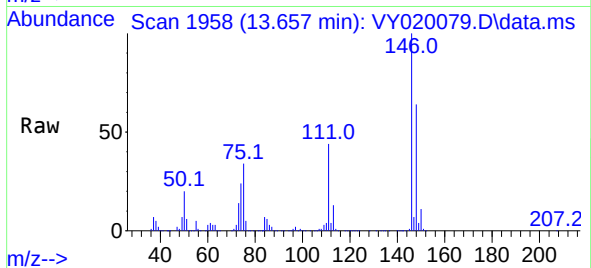
Tgt Ion:146 Resp: 566909

Ion Ratio Lower Upper

146 100

111 43.7 19.9 59.7

148 64.4 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 108.017 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

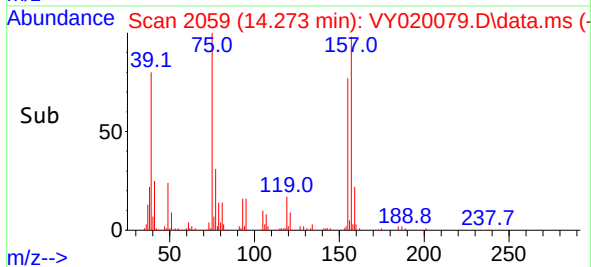
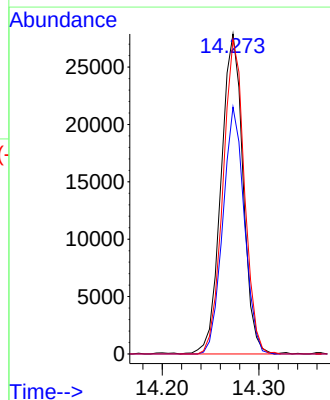
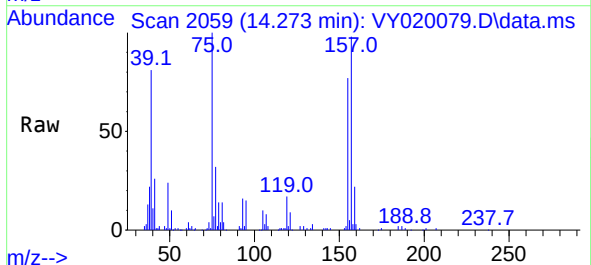
Tgt Ion: 75 Resp: 43753

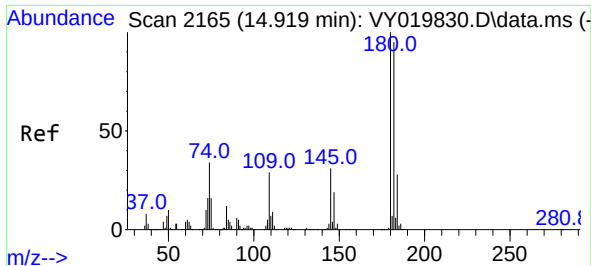
Ion Ratio Lower Upper

75 100

155 75.5 48.6 145.8

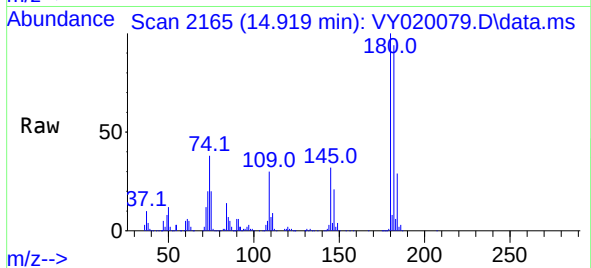
157 96.2 62.7 188.2



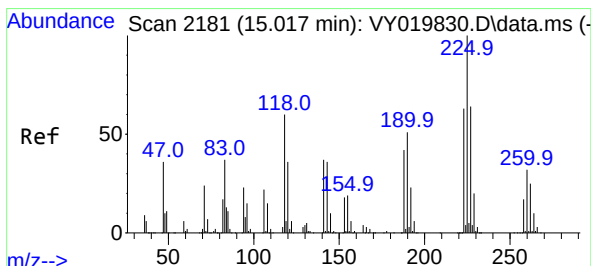
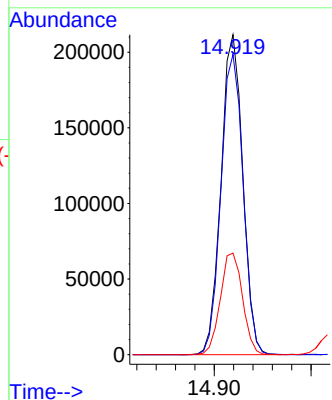
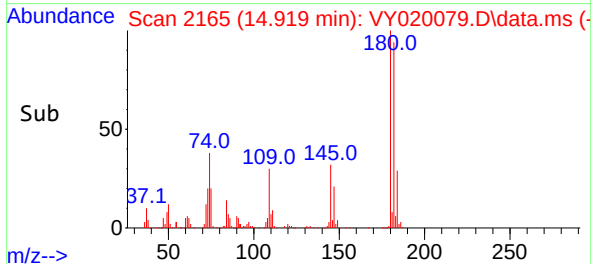


#93  
1,2,4-Trichlorobenzene  
Concen: 112.878 ug/l  
RT: 14.919 min Scan# 2165  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

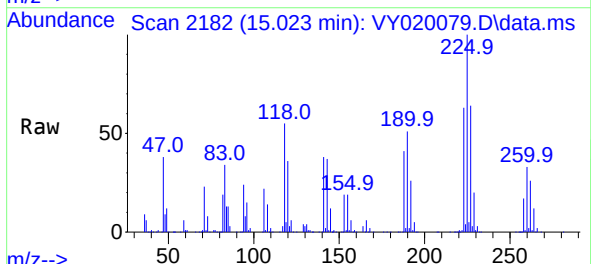
Instrument :  
MSVOA\_Y  
ClientSampleId :



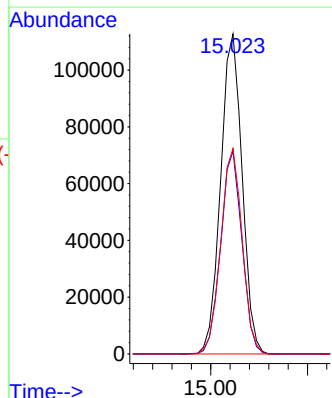
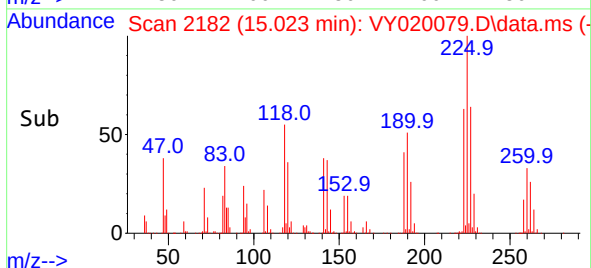
Tgt Ion:180 Resp: 330713  
Ion Ratio Lower Upper  
180 100  
182 95.0 47.9 143.8  
145 32.4 14.2 42.6

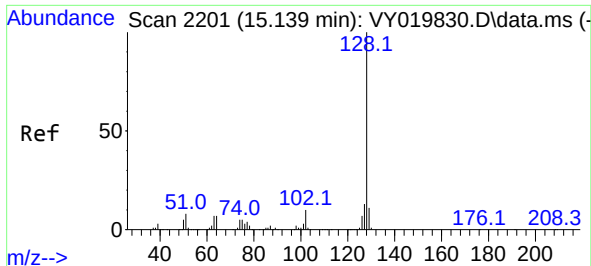


#94  
Hexachlorobutadiene  
Concen: 108.380 ug/l  
RT: 15.023 min Scan# 2182  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29



Tgt Ion:225 Resp: 173634  
Ion Ratio Lower Upper  
225 100  
223 62.6 30.4 91.2  
227 64.0 31.9 95.9

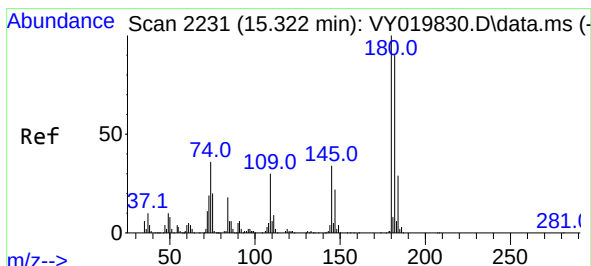
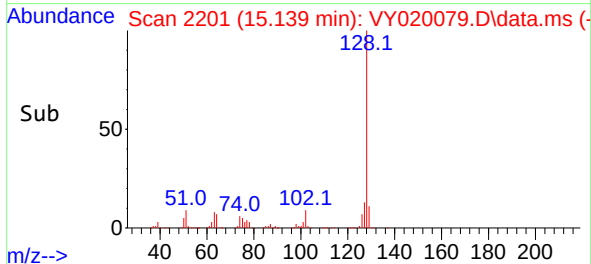
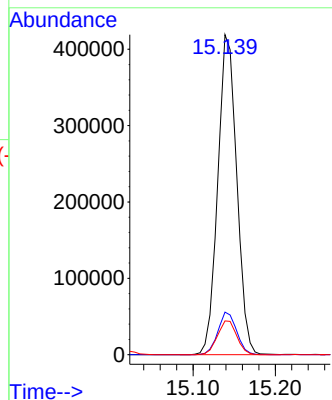
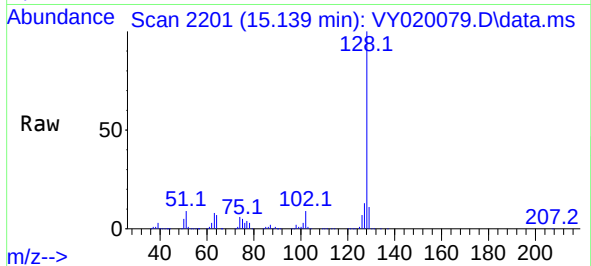




#95  
Naphthalene  
Concen: 122.843 ug/l  
RT: 15.139 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

Instrument :  
MSVOA\_Y  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 672775 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.1  | 10.6  | 16.0   |
| 129      | 10.8  | 8.6   | 13.0   |



#96  
1,2,3-Trichlorobenzene  
Concen: 113.288 ug/l  
RT: 15.328 min Scan# 2232  
Delta R.T. 0.000 min  
Lab File: VY020079.D  
Acq: 30 Oct 2024 14:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 281747 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.3  | 47.6  | 142.9  |
| 145      | 34.1  | 15.4  | 46.1   |

