

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052725\  
 Data File : VY022428.D  
 Acq On : 27 May 2025 11:56  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: May 28 10:39:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 28 10:34:06 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon           | Response | Conc       | Units | Dev(Min) |
|------------------------------|--------|----------------|----------|------------|-------|----------|
| Internal Standards           |        |                |          |            |       |          |
| 1) Pentafluorobenzene        | 7.707  | 168            | 253507   | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616  | 114            | 425137   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.420 | 117            | 371169   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346 | 152            | 177242   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds  |        |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.061  | 65             | 135927   | 50.905     | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range 50 - 163 | Recovery | = 101.800% |       |          |
| 35) Dibromofluoromethane     | 7.634  | 113            | 126788   | 50.924     | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range 54 - 147 | Recovery | = 101.840% |       |          |
| 50) Toluene-d8               | 10.109 | 98             | 516469   | 50.886     | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range 58 - 134 | Recovery | = 101.780% |       |          |
| 62) 4-Bromofluorobenzene     | 12.408 | 95             | 155747   | 50.731     | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range 30 - 143 | Recovery | = 101.460% |       |          |
| Target Compounds             |        |                |          |            |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.867  | 85             | 103680   | 42.867     | ug/l  | 98       |
| 3) Chloromethane             | 2.068  | 50             | 343646   | 57.762     | ug/l  | 96       |
| 4) Vinyl Chloride            | 2.202  | 62             | 378150   | 52.322     | ug/l  | 99       |
| 5) Bromomethane              | 2.598  | 94             | 378531   | 57.634     | ug/l  | 100      |
| 6) Chloroethane              | 2.733  | 64             | 272398   | 57.677     | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 3.050  | 101            | 341076   | 55.933     | ug/l  | 98       |
| 8) Diethyl Ether             | 3.458  | 74             | 74240    | 52.801     | ug/l  | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818  | 101            | 125740   | 47.001     | ug/l  | 99       |
| 10) Methyl Iodide            | 4.007  | 142            | 147302   | 48.805     | ug/l  | 100      |
| 11) Tert butyl alcohol       | 4.891  | 59             | 53913    | 286.443    | ug/l  | 98       |
| 12) 1,1-Dichloroethene       | 3.787  | 96             | 129146   | 48.624     | ug/l  | 96       |
| 13) Acrolein                 | 3.653  | 56             | 75220    | 266.723    | ug/l  | 100      |
| 14) Allyl chloride           | 4.385  | 41             | 206704   | 51.736     | ug/l  | 99       |
| 15) Acrylonitrile            | 5.061  | 53             | 157491   | 277.887    | ug/l  | 100      |
| 16) Acetone                  | 3.885  | 43             | 127318   | 290.164    | ug/l  | 93       |
| 17) Carbon Disulfide         | 4.110  | 76             | 422273   | 49.820     | ug/l  | 100      |
| 18) Methyl Acetate           | 4.385  | 43             | 98344    | 59.833     | ug/l  | 97       |
| 19) Methyl tert-butyl Ether  | 5.122  | 73             | 376709   | 53.423     | ug/l  | 99       |
| 20) Methylene Chloride       | 4.616  | 84             | 147382   | 47.566     | ug/l  | 96       |
| 21) trans-1,2-Dichloroethene | 5.116  | 96             | 149045   | 51.401     | ug/l  | 96       |
| 22) Diisopropyl ether        | 6.025  | 45             | 453438   | 51.423     | ug/l  | 98       |
| 23) Vinyl Acetate            | 5.964  | 43             | 1330055  | 262.697    | ug/l  | 100      |
| 24) 1,1-Dichloroethane       | 5.915  | 63             | 270725   | 51.958     | ug/l  | 99       |
| 25) 2-Butanone               | 6.896  | 43             | 208354   | 285.123    | ug/l  | 98       |
| 26) 2,2-Dichloropropane      | 6.890  | 77             | 238523   | 50.556     | ug/l  | 99       |
| 27) cis-1,2-Dichloroethene   | 6.896  | 96             | 171895   | 51.208     | ug/l  | 99       |
| 28) Bromochloromethane       | 7.250  | 49             | 114068   | 52.427     | ug/l  | 99       |
| 29) Tetrahydrofuran          | 7.268  | 42             | 136796   | 280.691    | ug/l  | 99       |
| 30) Chloroform               | 7.427  | 83             | 263982   | 51.416     | ug/l  | 99       |
| 31) Cyclohexane              | 7.701  | 56             | 228904   | 44.566     | ug/l  | 98       |
| 32) 1,1,1-Trichloroethane    | 7.622  | 97             | 234335   | 50.290     | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 7.835  | 75             | 198705   | 50.295     | ug/l  | 99       |
| 37) Ethyl Acetate            | 6.988  | 43             | 91969    | 54.775     | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 7.823  | 117            | 204881   | 49.782     | ug/l  | 99       |
| 39) Methylcyclohexane        | 9.109  | 83             | 253073   | 48.189     | ug/l  | 99       |
| 40) Benzene                  | 8.079  | 78             | 609847   | 51.876     | ug/l  | 98       |

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 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: May 28 10:39:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 28 10:34:06 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.268  | 41   | 81207    | 79.687   | ug/l # | 50       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 162203   | 52.242   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 199246   | 54.305   | ug/l   | 99       |
| 44) Trichloroethene           | 8.866  | 130  | 151238   | 52.041   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 140797   | 50.975   | ug/l   | 100      |
| 46) Dibromomethane            | 9.231  | 93   | 81139    | 52.586   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.426  | 83   | 205314   | 51.745   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.225  | 41   | 95846    | 56.276   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.244  | 88   | 17918    | 1051.366 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 519609   | 287.032  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 387936   | 52.832   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 199925   | 54.094   | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 228509   | 52.618   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 103722   | 53.168   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 156757   | 55.994   | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 180948   | 52.634   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 362054   | 259.493  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 347563   | 292.964  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.914 | 129  | 133735   | 53.666   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 96584    | 54.130   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.646 | 164  | 153515   | 48.564   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.444 | 112  | 409198   | 51.703   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 137345   | 51.219   | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.524 | 91   | 749047   | 50.971   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.633 | 106  | 571164   | 102.513  | ug/l   | 100      |
| 69) o-Xylene                  | 11.957 | 106  | 268131   | 51.205   | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 456865   | 52.397   | ug/l   | 100      |
| 71) Bromoform                 | 12.133 | 173  | 73628    | 52.420   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.255 | 105  | 698311   | 50.060   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 182818   | 53.559   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 117150   | 53.303   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 164872   | 92.866   | ug/l # | 100      |
| 77) Bromobenzene              | 12.536 | 156  | 151539   | 50.481   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.597 | 91   | 853326   | 50.973   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 455944   | 50.314   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 559964   | 51.376   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 40088    | 51.064   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 475462   | 50.944   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 505382   | 51.321   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 562945   | 51.325   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.176 | 105  | 755958   | 51.763   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 638231   | 52.334   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 310435   | 51.396   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 298140   | 51.622   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.615 | 91   | 601455   | 52.600   | ug/l   | 100      |
| 90) Hexachloroethane          | 13.883 | 117  | 125908   | 51.881   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 255789   | 50.701   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 17817    | 52.462   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 146574   | 52.407   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 76816    | 52.335   | ug/l   | 97       |
| 95) Naphthalene               | 15.145 | 128  | 283477   | 54.826   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 123635   | 53.900   | ug/l   | 98       |

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Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

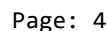
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052725S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 28 10:34:06 2025  
Response via : Initial Calibration

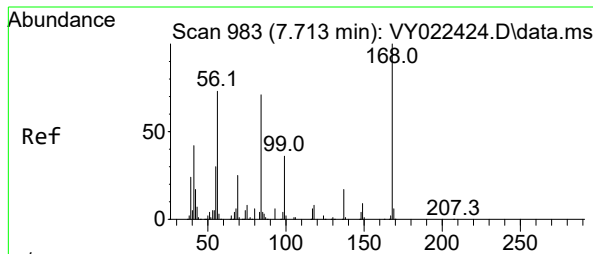
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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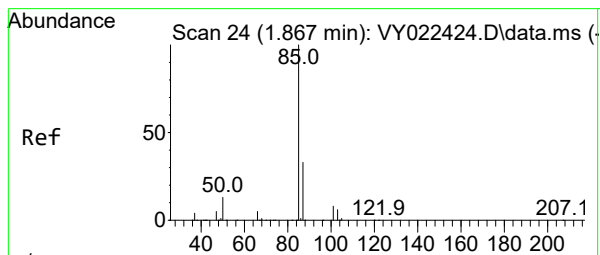
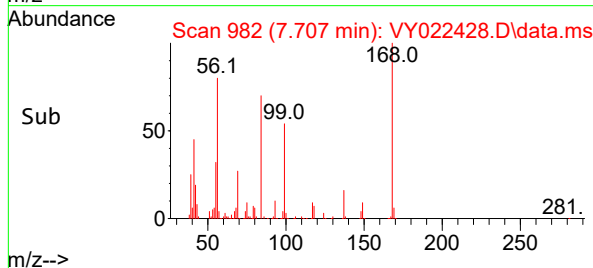
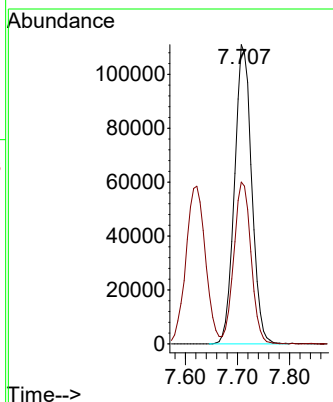
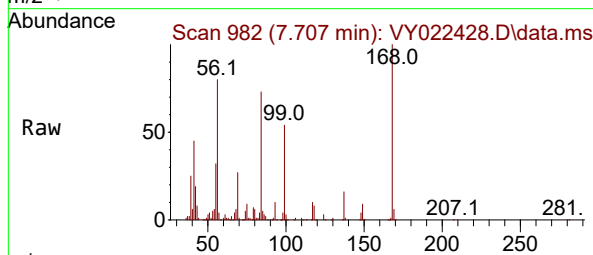




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 983  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

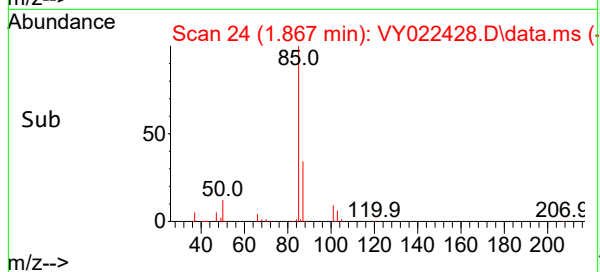
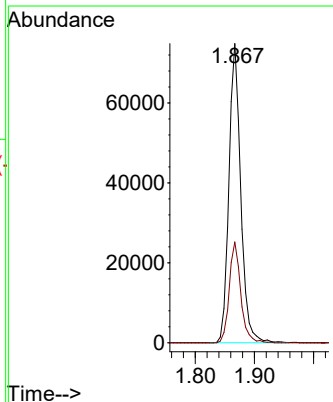
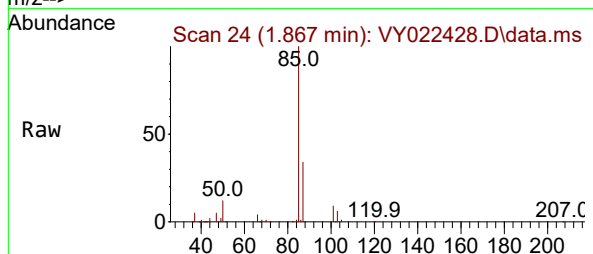
Instrument :  
MSVOA\_Y  
ClientSampleId :

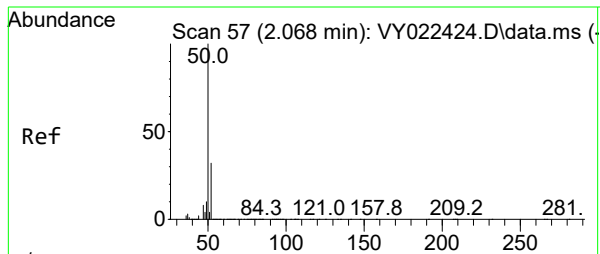
Tgt Ion:168 Resp: 253507  
Ion Ratio Lower Upper  
168 100  
99 54.1 44.7 67.1



#2  
Dichlorodifluoromethane  
Concen: 42.867 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 85 Resp: 103680  
Ion Ratio Lower Upper  
85 100  
87 33.7 16.4 49.2

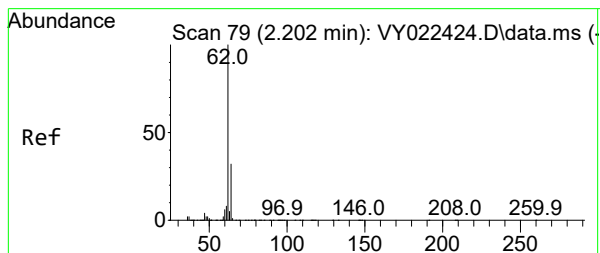
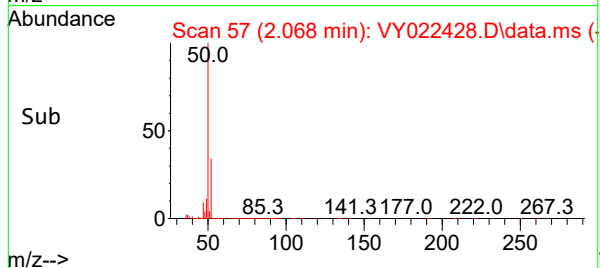
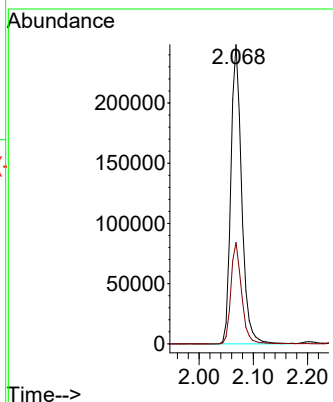
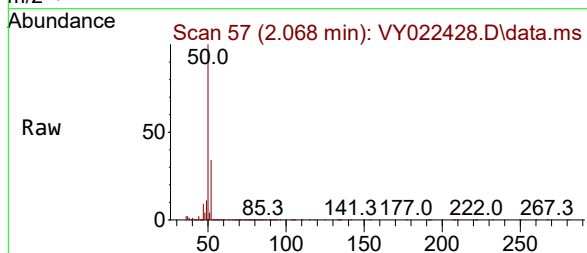




#3  
Chloromethane  
Concen: 57.762 ug/l  
RT: 2.068 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

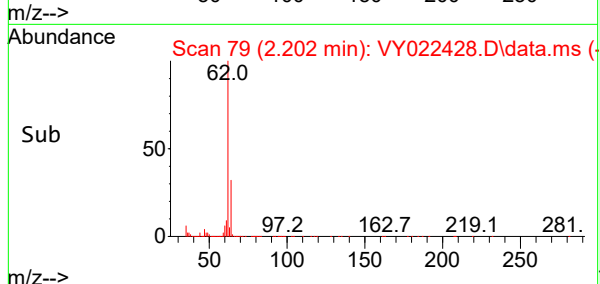
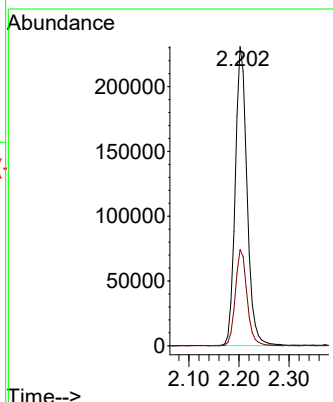
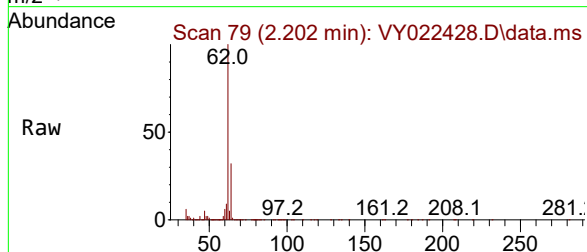
Instrument :  
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ClientSampleId :

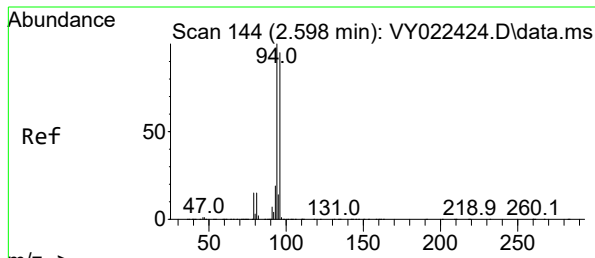
Tgt Ion: 50 Resp: 343646  
Ion Ratio Lower Upper  
50 100  
52 33.9 25.5 38.3



#4  
Vinyl Chloride  
Concen: 52.322 ug/l  
RT: 2.202 min Scan# 79  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 62 Resp: 378150  
Ion Ratio Lower Upper  
62 100  
64 32.2 26.0 39.0

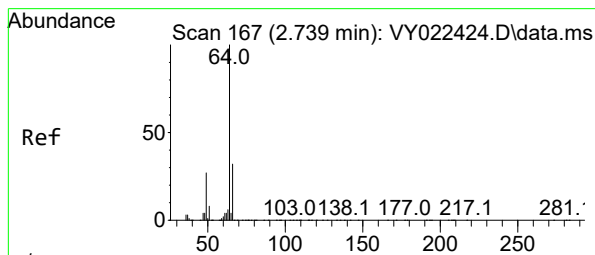
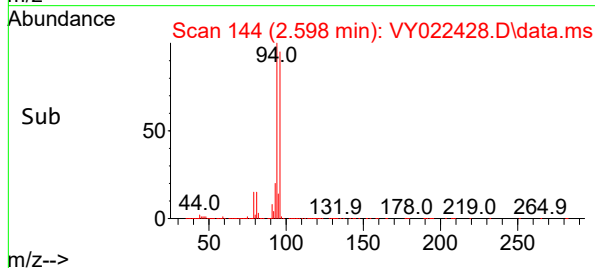
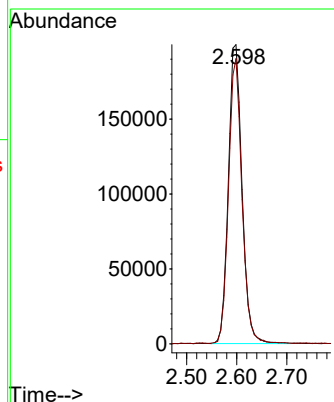
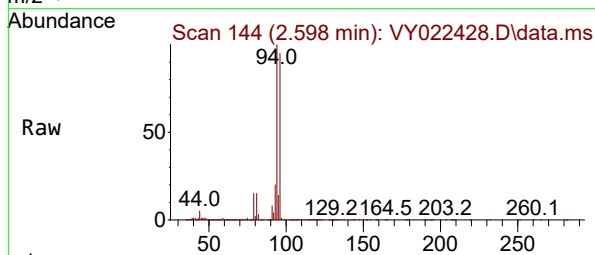




#5  
Bromomethane  
Concen: 57.634 ug/l  
RT: 2.598 min Scan# 144  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

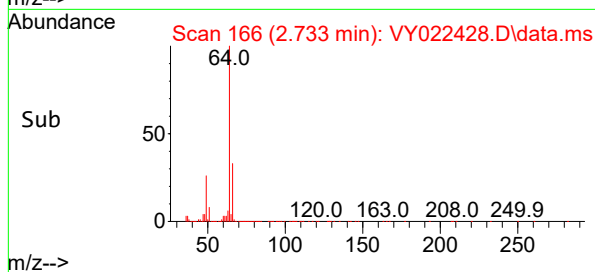
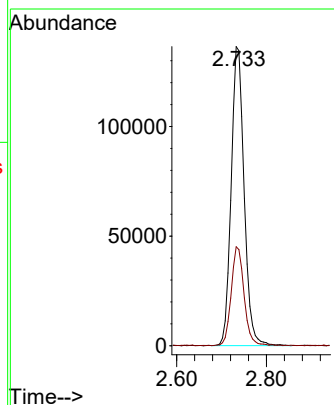
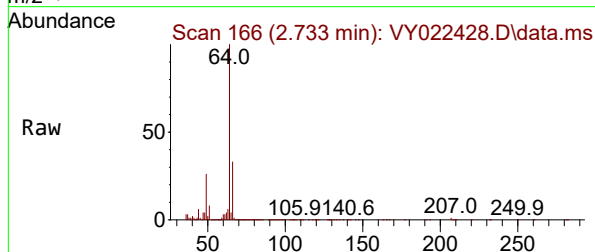
Instrument :  
MSVOA\_Y  
ClientSampleId :

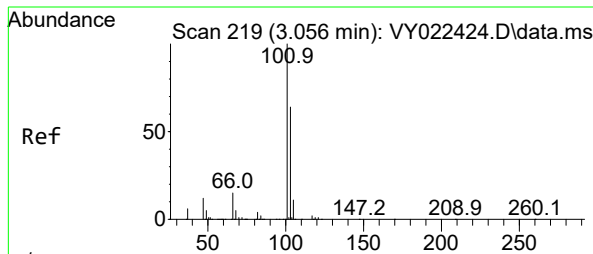
Tgt Ion: 94 Resp: 378531  
Ion Ratio Lower Upper  
94 100  
96 95.2 76.0 114.0



#6  
Chloroethane  
Concen: 57.677 ug/l  
RT: 2.733 min Scan# 166  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 64 Resp: 272398  
Ion Ratio Lower Upper  
64 100  
66 33.1 25.9 38.9

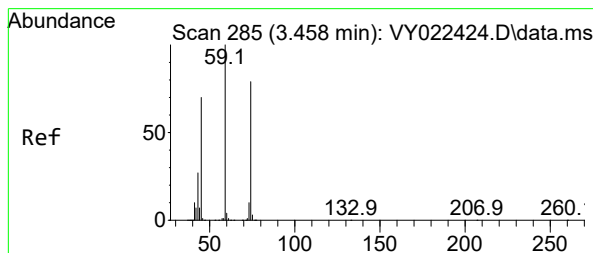
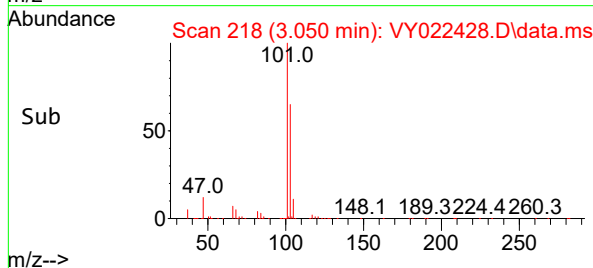
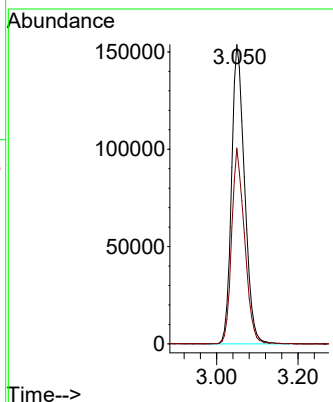
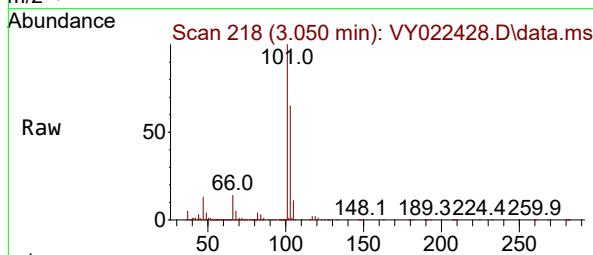




#7  
 Trichlorofluoromethane  
 Concen: 55.933 ug/l  
 RT: 3.050 min Scan# 219  
 Delta R.T. -0.006 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

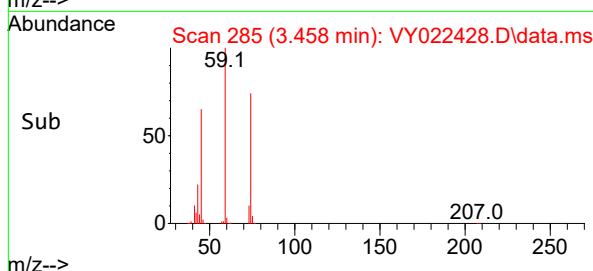
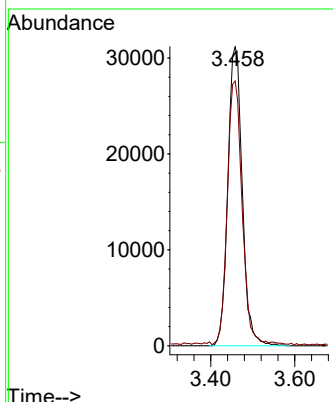
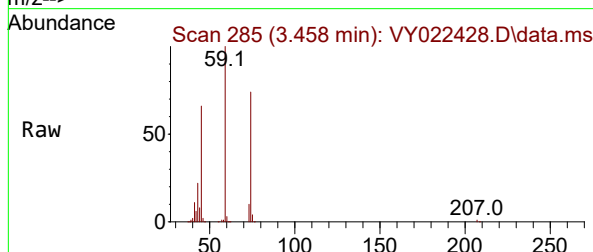
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

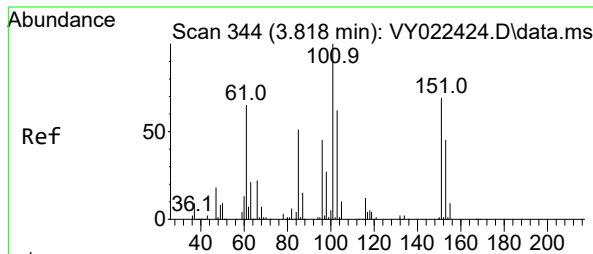
Tgt Ion:101 Resp: 341076  
 Ion Ratio Lower Upper  
 101 100  
 103 65.4 50.9 76.3



#8  
 Diethyl Ether  
 Concen: 52.801 ug/l  
 RT: 3.458 min Scan# 285  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Tgt Ion: 74 Resp: 74240  
 Ion Ratio Lower Upper  
 74 100  
 45 90.9 44.9 134.5

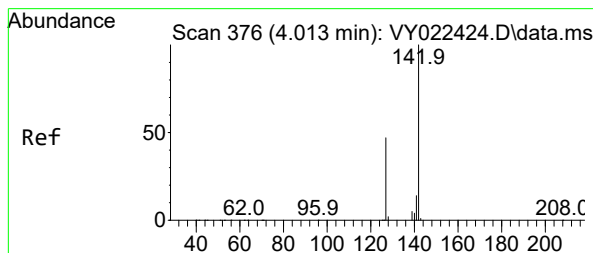
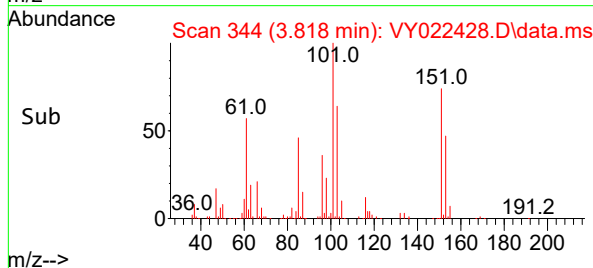
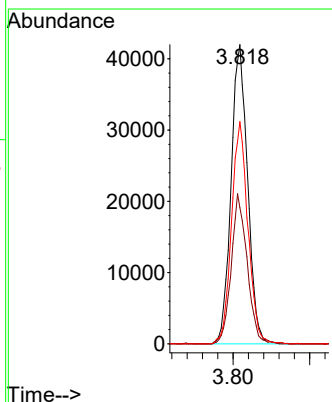
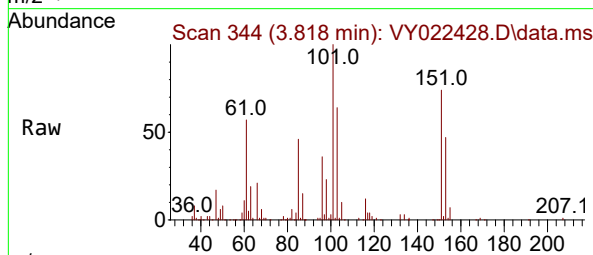




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 47.001 ug/l  
RT: 3.818 min Scan# 344  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

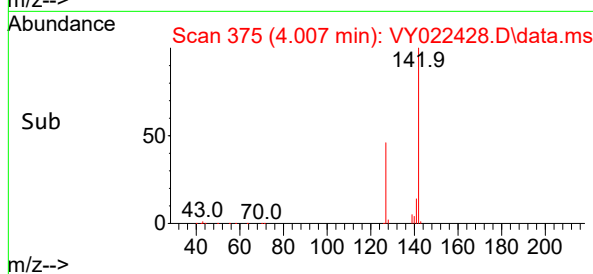
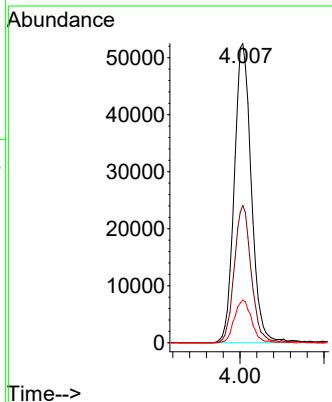
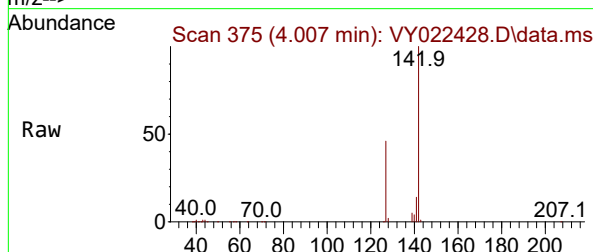
Instrument :  
MSVOA\_Y  
ClientSampleId :

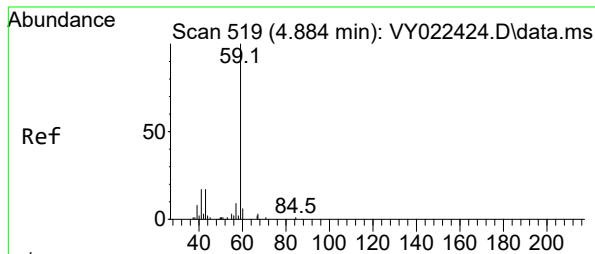
Tgt Ion:101 Resp: 125740  
Ion Ratio Lower Upper  
101 100  
85 48.1 39.2 58.8  
151 73.8 58.8 88.2



#10  
Methyl Iodide  
Concen: 48.805 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:142 Resp: 147302  
Ion Ratio Lower Upper  
142 100  
127 45.5 36.2 54.4  
141 14.6 11.6 17.4

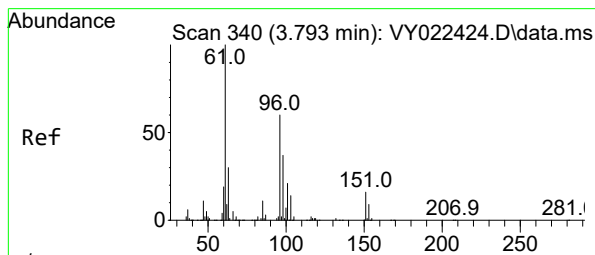
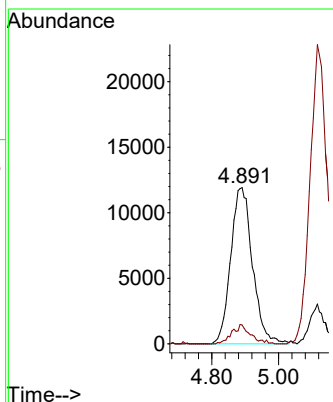
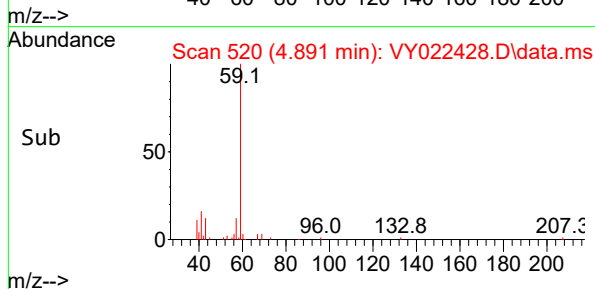
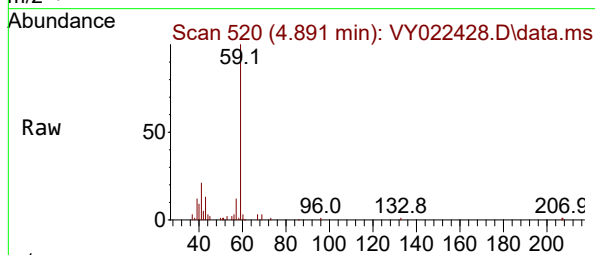




#11  
Tert butyl alcohol  
Concen: 286.443 ug/l  
RT: 4.891 min Scan# 519  
Delta R.T. 0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

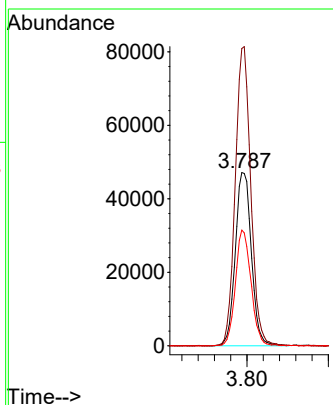
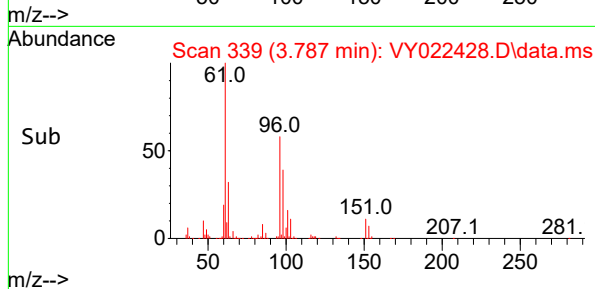
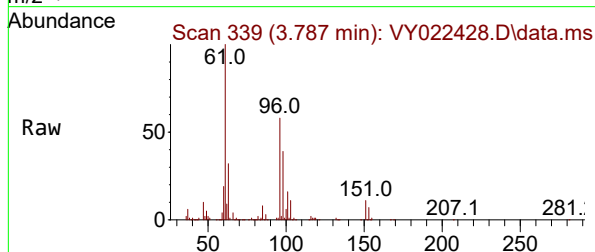
Instrument :  
MSVOA\_Y  
ClientSampleId :

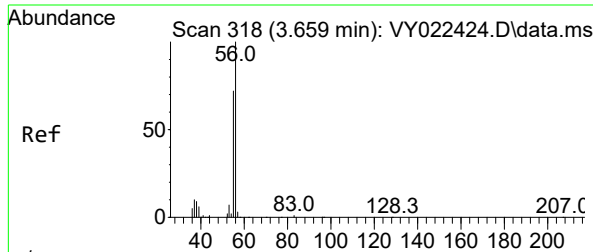
Tgt Ion: 59 Resp: 53913  
Ion Ratio Lower Upper  
59 100  
57 10.6 9.1 13.7



#12  
1,1-Dichloroethene  
Concen: 48.624 ug/l  
RT: 3.787 min Scan# 339  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 96 Resp: 129146  
Ion Ratio Lower Upper  
96 100  
61 171.6 134.1 201.1  
98 66.8 50.2 75.2

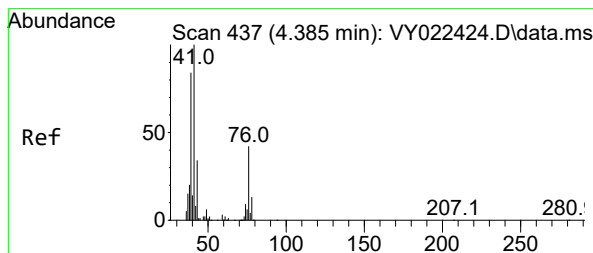
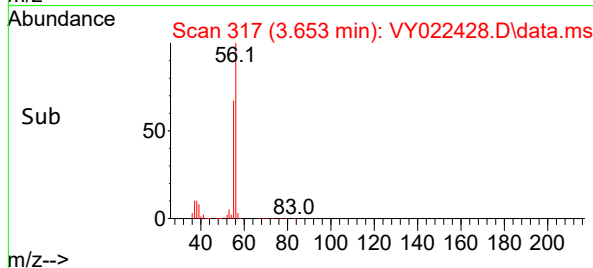
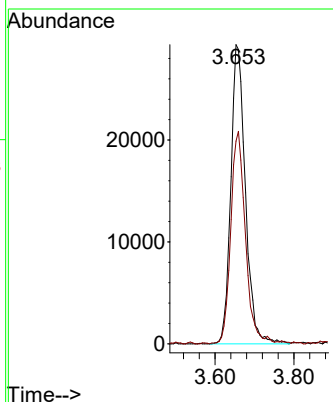
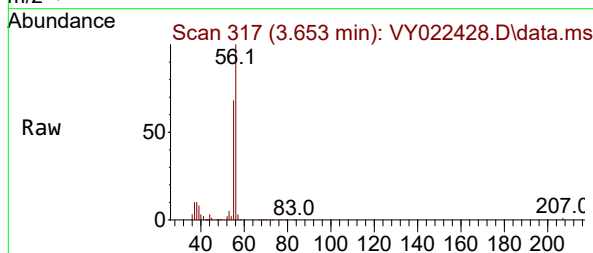




#13  
Acrolein  
Concen: 266.723 ug/l  
RT: 3.653 min Scan# 318  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

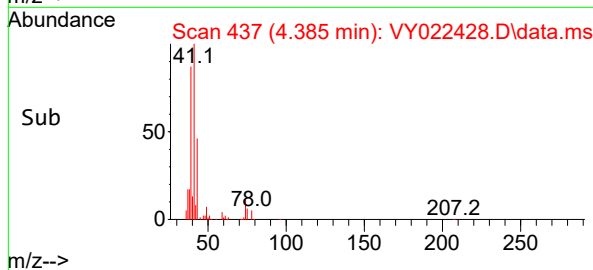
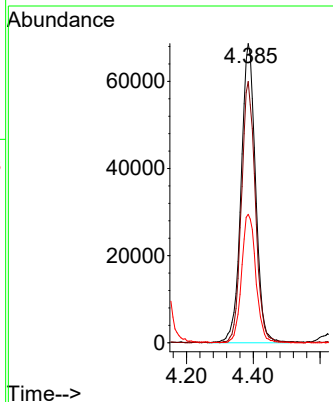
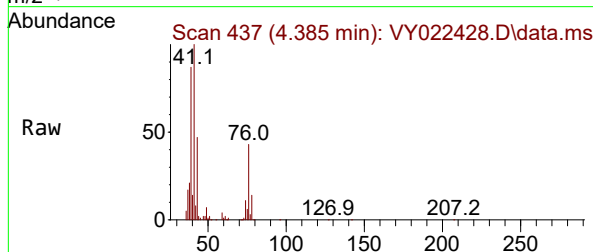
Instrument :  
MSVOA\_Y  
ClientSampleId :

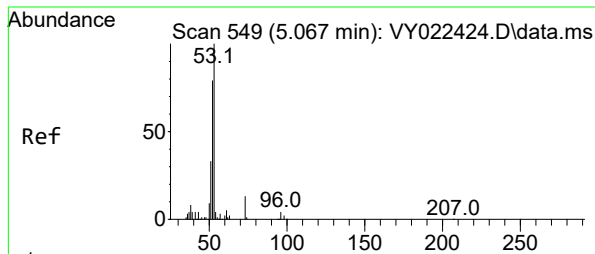
Tgt Ion: 56 Resp: 75220  
Ion Ratio Lower Upper  
56 100  
55 70.6 56.5 84.7



#14  
Allyl chloride  
Concen: 51.736 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 41 Resp: 206704  
Ion Ratio Lower Upper  
41 100  
39 84.3 66.6 100.0  
76 42.4 33.7 50.5

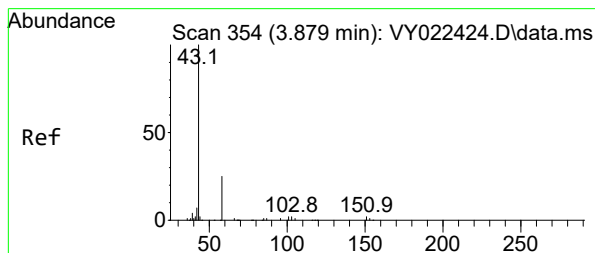
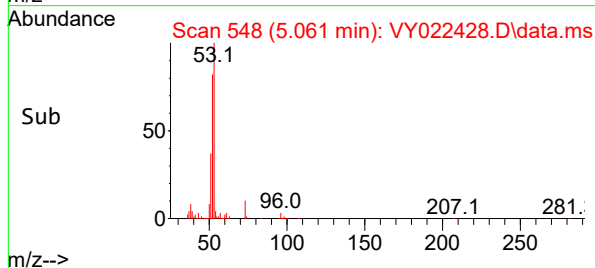
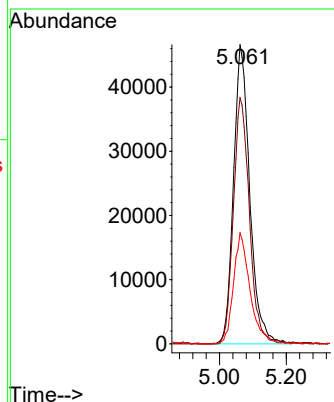
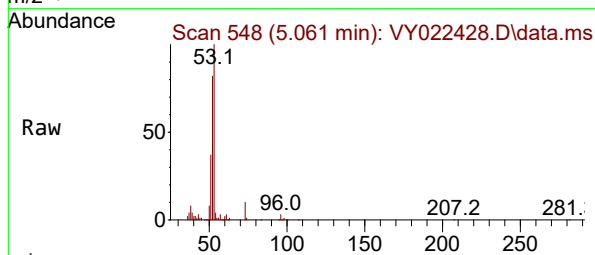




#15  
Acrylonitrile  
Concen: 277.887 ug/l  
RT: 5.061 min Scan# 549  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

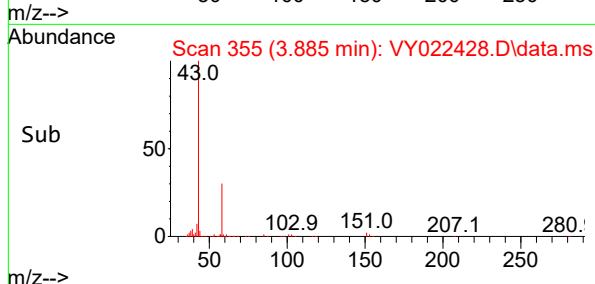
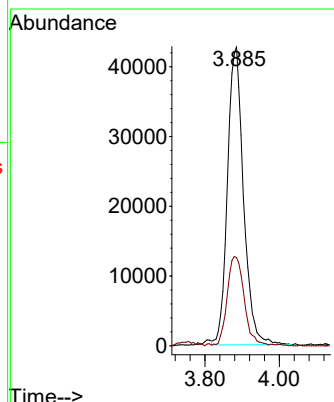
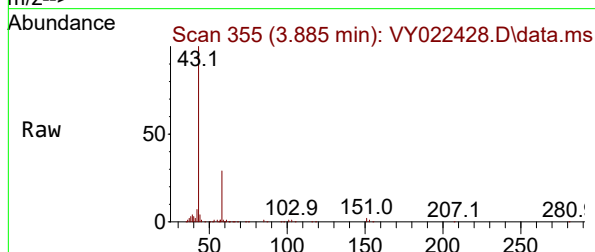
Instrument :  
MSVOA\_Y  
ClientSampleId :

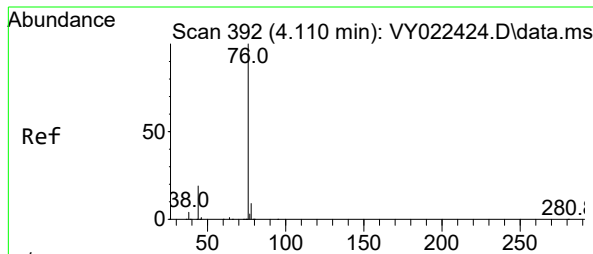
Tgt Ion: 53 Resp: 157491  
Ion Ratio Lower Upper  
53 100  
52 81.3 65.1 97.7  
51 37.7 30.0 45.0



#16  
Acetone  
Concen: 290.164 ug/l  
RT: 3.885 min Scan# 355  
Delta R.T. 0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 43 Resp: 127318  
Ion Ratio Lower Upper  
43 100  
58 29.4 20.6 30.8

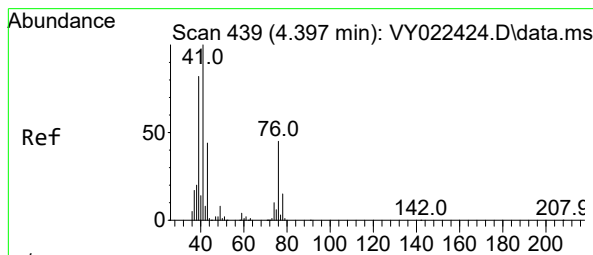
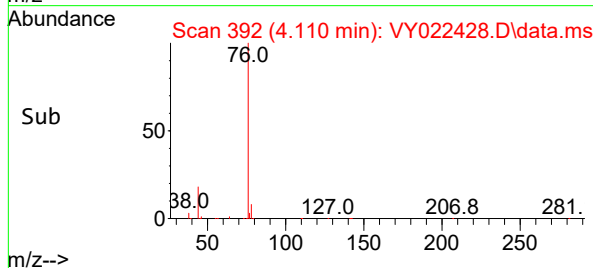
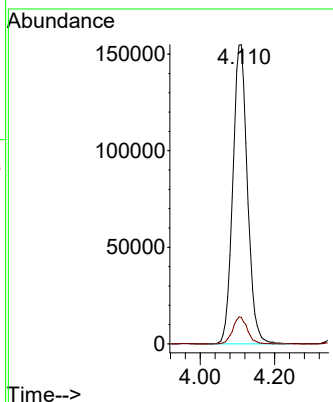
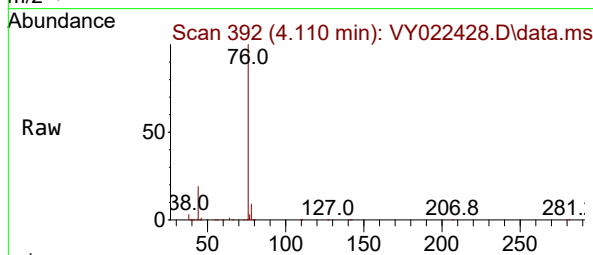




#17  
Carbon Disulfide  
Concen: 49.820 ug/l  
RT: 4.110 min Scan# 392  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

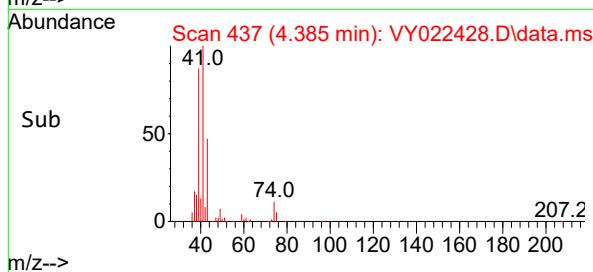
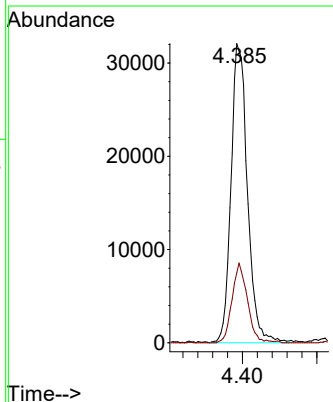
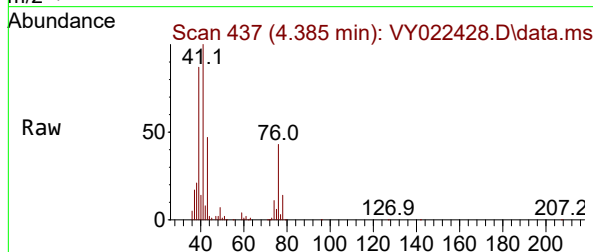
Instrument :  
MSVOA\_Y  
ClientSampleId :

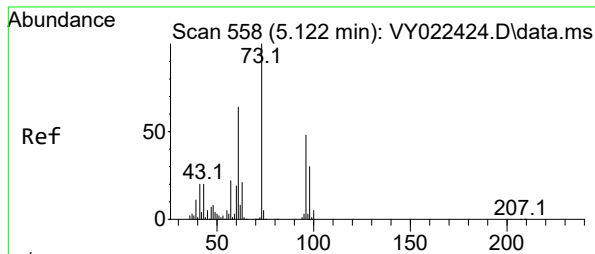
Tgt Ion: 76 Resp: 422273  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.2 10.8



#18  
Methyl Acetate  
Concen: 59.833 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. -0.012 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 43 Resp: 98344  
Ion Ratio Lower Upper  
43 100  
74 24.8 21.2 31.8

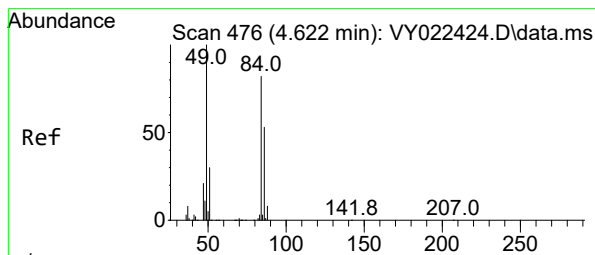
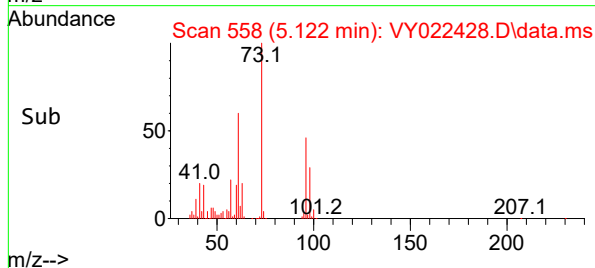
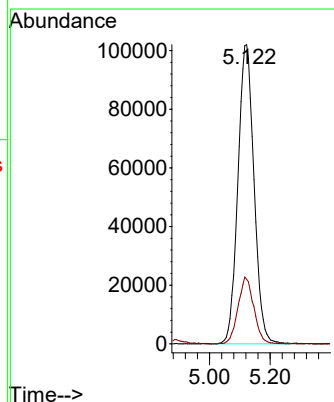
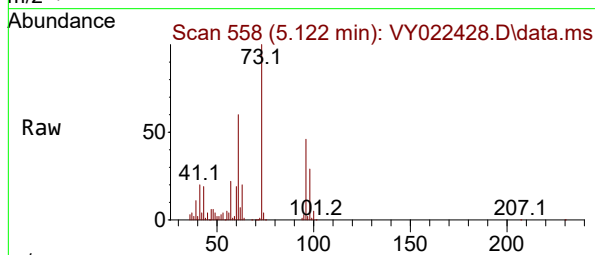




#19  
Methyl tert-butyl Ether  
Concen: 53.423 ug/l  
RT: 5.122 min Scan# 558  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

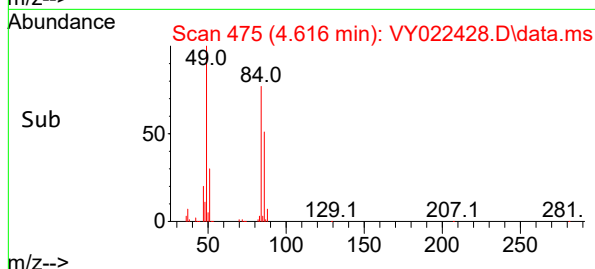
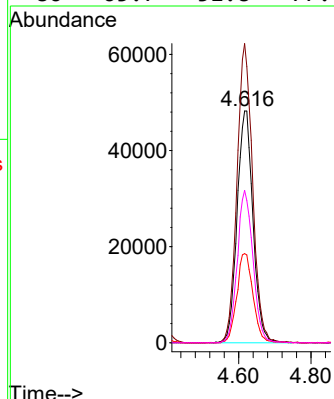
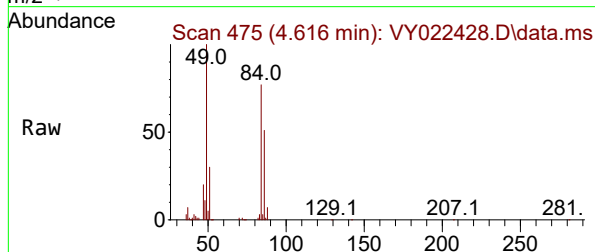
Instrument :  
MSVOA\_Y  
ClientSampleId :

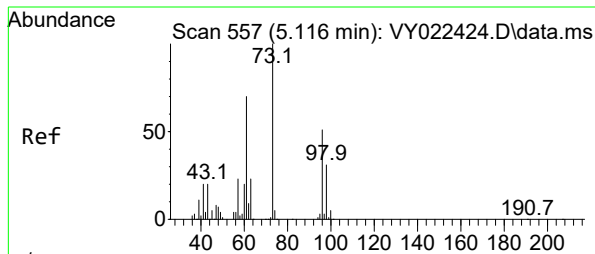
Tgt Ion: 73 Resp: 376709  
Ion Ratio Lower Upper  
73 100  
57 21.6 17.7 26.5



#20  
Methylene Chloride  
Concen: 47.566 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 84 Resp: 147382  
Ion Ratio Lower Upper  
84 100  
49 128.9 97.8 146.8  
51 38.5 29.5 44.3  
86 65.7 51.8 77.6

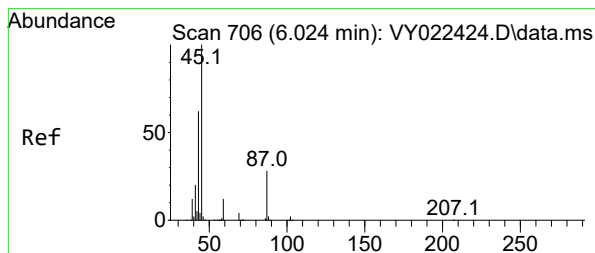
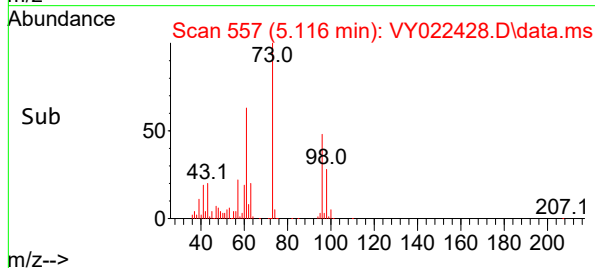
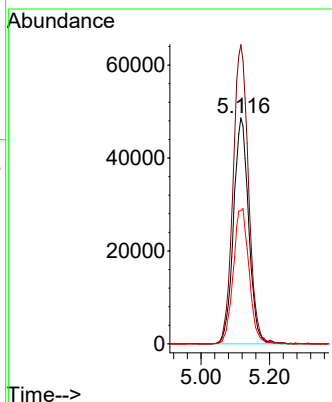
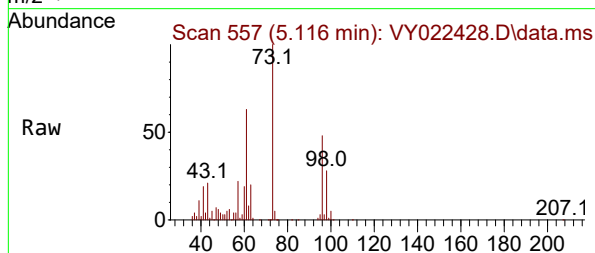




#21  
trans-1,2-Dichloroethene  
Concen: 51.401 ug/l  
RT: 5.116 min Scan# 557  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

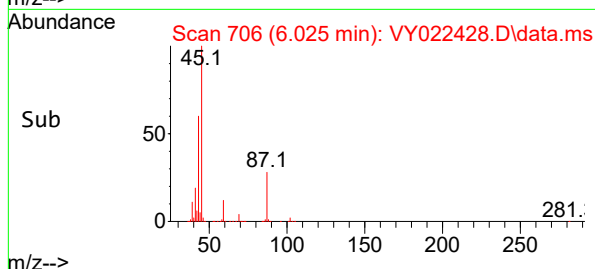
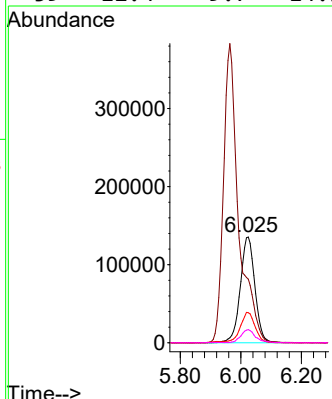
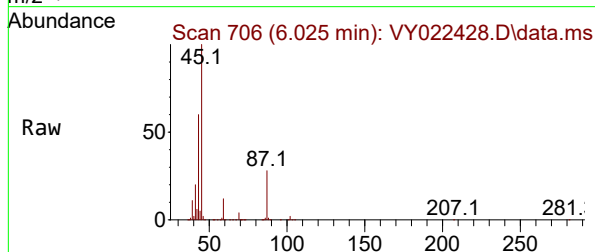
Instrument :  
MSVOA\_Y  
ClientSampleId :

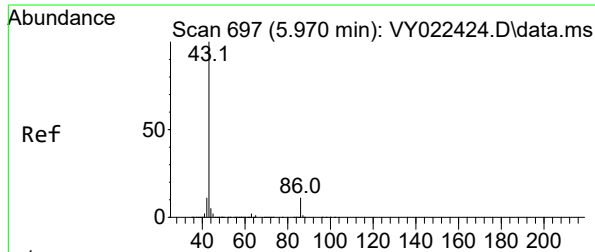
Tgt Ion: 96 Resp: 149045  
Ion Ratio Lower Upper  
96 100  
61 132.4 110.4 165.6  
98 59.0 48.6 73.0



#22  
Diisopropyl ether  
Concen: 51.423 ug/l  
RT: 6.025 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 45 Resp: 453438  
Ion Ratio Lower Upper  
45 100  
43 59.8 49.8 74.8  
87 28.4 23.0 34.6  
59 12.4 9.7 14.5



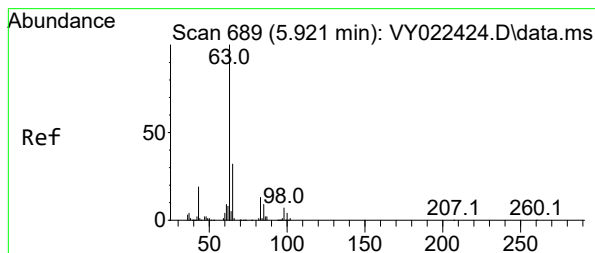
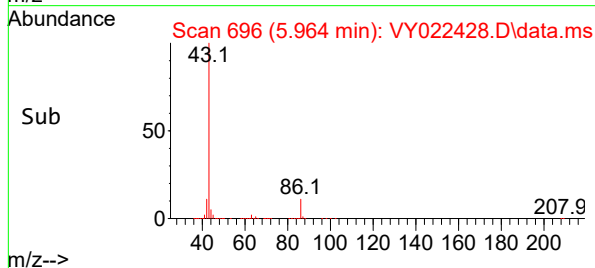
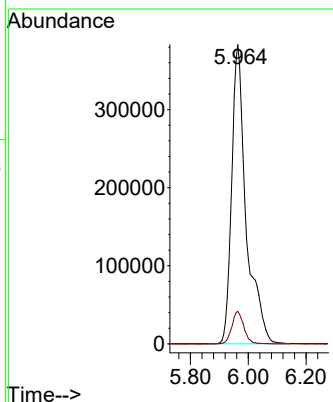
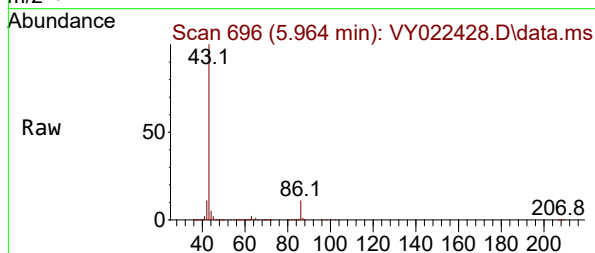


#23  
 Vinyl Acetate  
 Concen: 262.697 ug/l  
 RT: 5.964 min Scan# 696  
 Delta R.T. -0.006 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 43 Resp: 1330055  

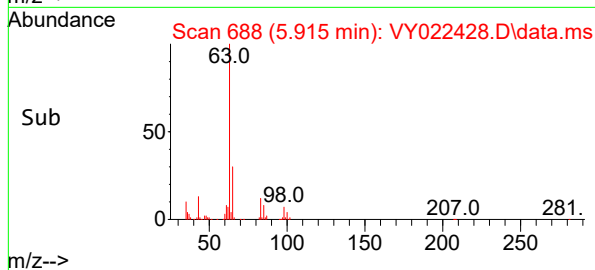
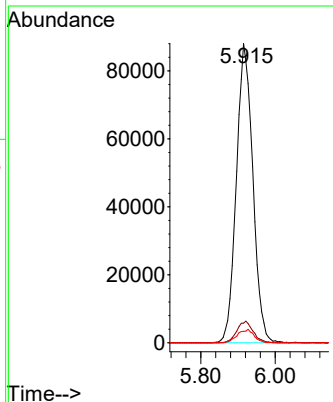
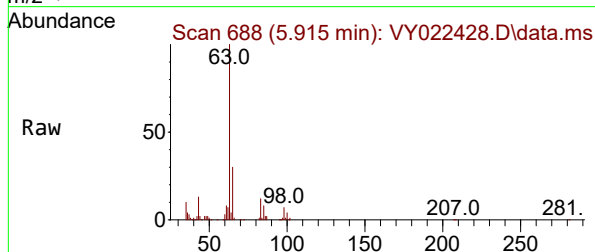
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 10.9  | 8.8   | 13.2  |

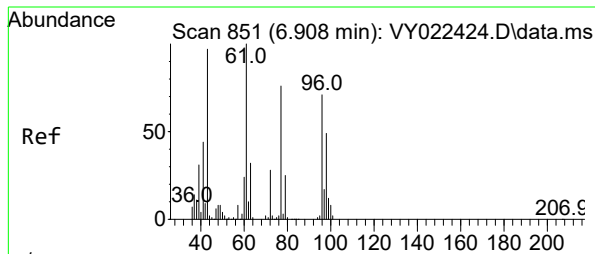


#24  
 1,1-Dichloroethane  
 Concen: 51.958 ug/l  
 RT: 5.915 min Scan# 688  
 Delta R.T. -0.006 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Tgt Ion: 63 Resp: 270725  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 6.6   | 3.5   | 10.5  |
| 100 | 3.8   | 2.1   | 6.5   |

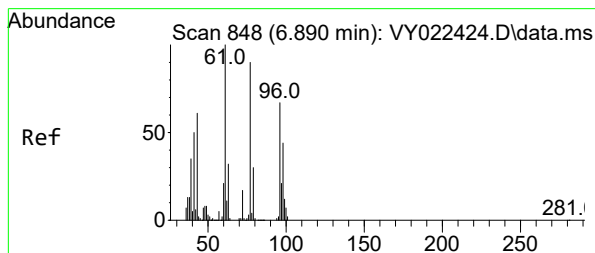
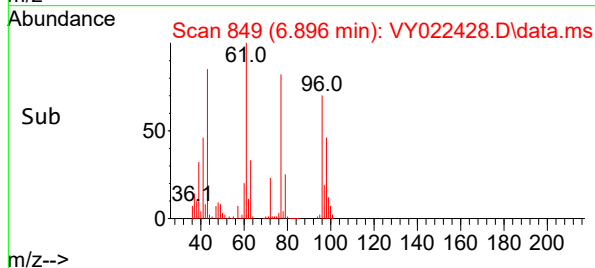
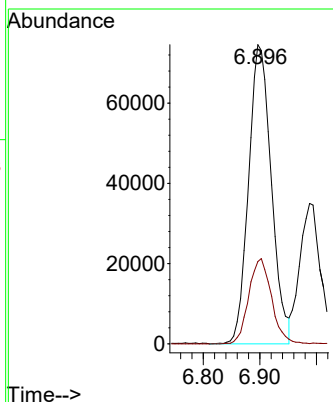
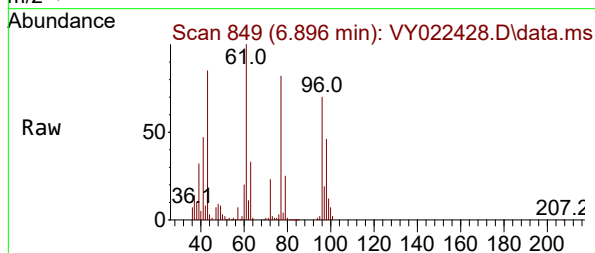




#25  
2-Butanone  
Concen: 285.123 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. -0.012 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

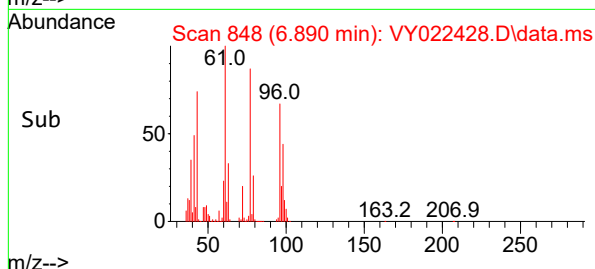
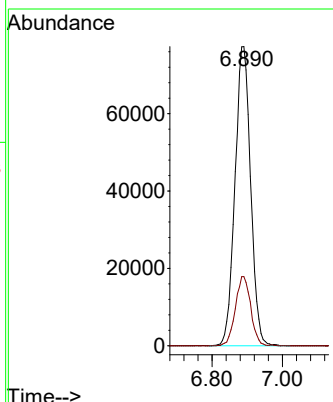
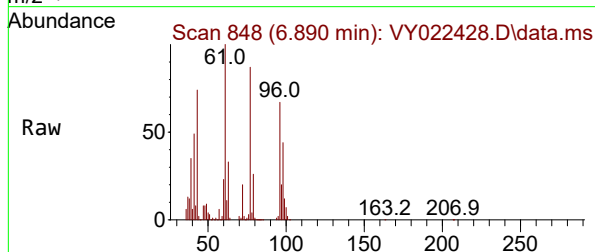
Instrument :  
MSVOA\_Y  
ClientSampleId :

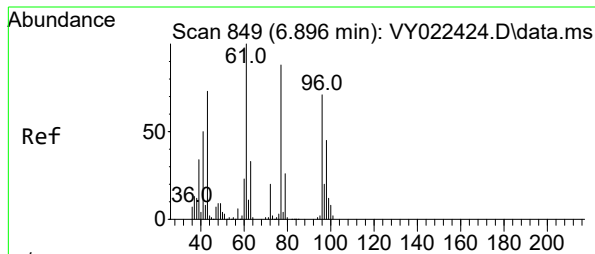
Tgt Ion: 43 Resp: 208354  
Ion Ratio Lower Upper  
43 100  
72 27.5 22.8 34.2



#26  
2,2-Dichloropropane  
Concen: 50.556 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 77 Resp: 238523  
Ion Ratio Lower Upper  
77 100  
97 22.6 11.6 34.7

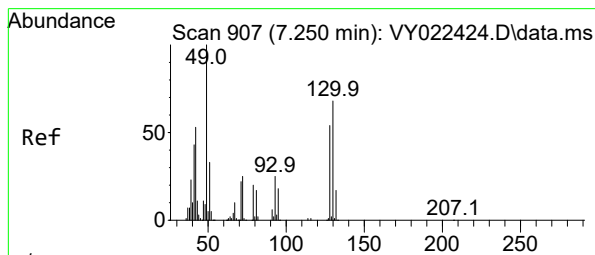
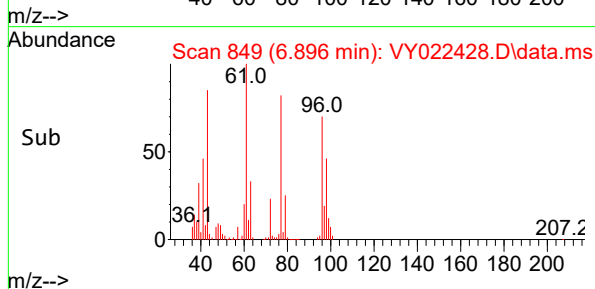
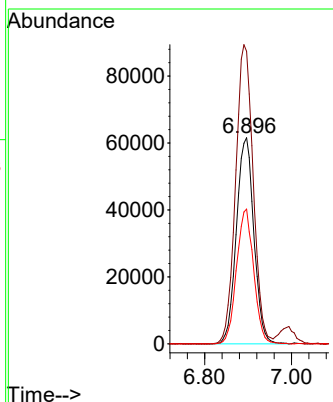
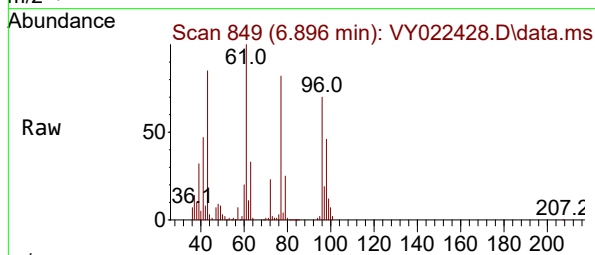




#27  
 cis-1,2-Dichloroethene  
 Concen: 51.208 ug/l  
 RT: 6.896 min Scan# 849  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

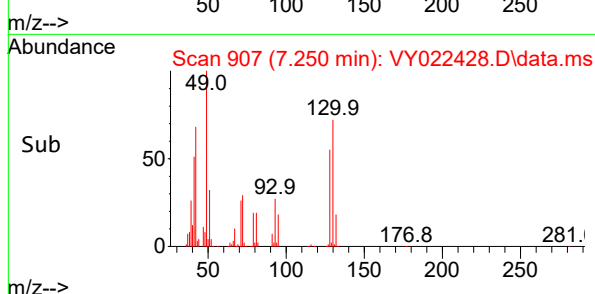
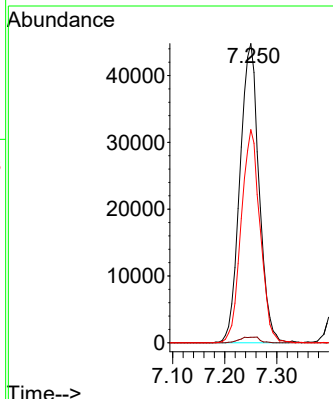
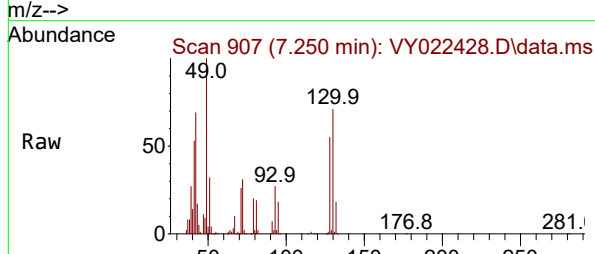
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

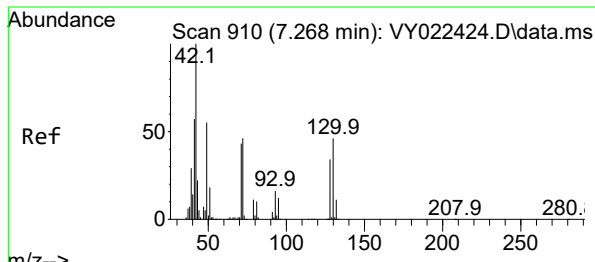
Tgt Ion: 96 Resp: 171895  
 Ion Ratio Lower Upper  
 96 100  
 61 146.7 0.0 292.0  
 98 64.2 0.0 131.0



#28  
 Bromochloromethane  
 Concen: 52.427 ug/l  
 RT: 7.250 min Scan# 907  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Tgt Ion: 49 Resp: 114068  
 Ion Ratio Lower Upper  
 49 100  
 129 2.0 0.0 4.0  
 130 70.5 56.9 85.3

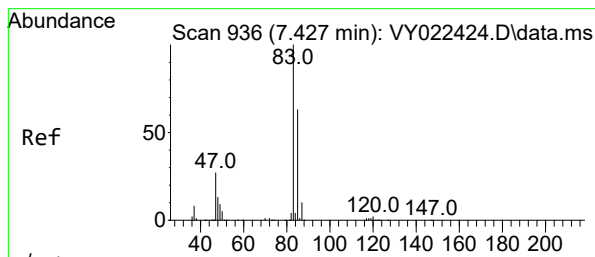
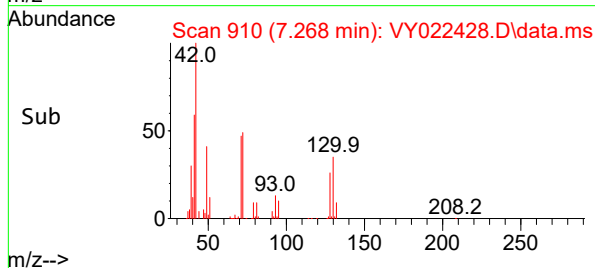
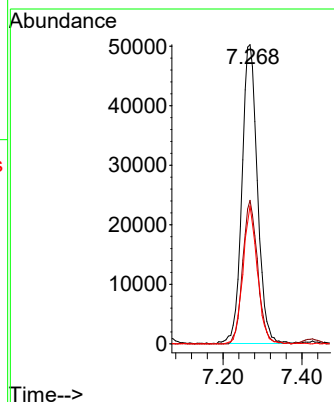
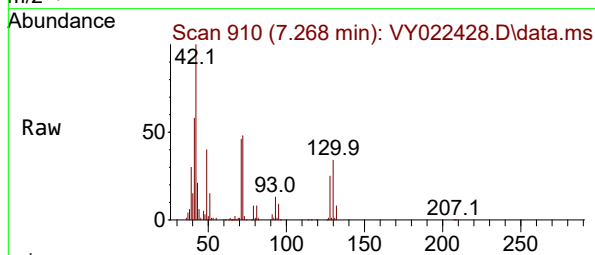




#29  
Tetrahydrofuran  
Concen: 280.691 ug/l  
RT: 7.268 min Scan# 910  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

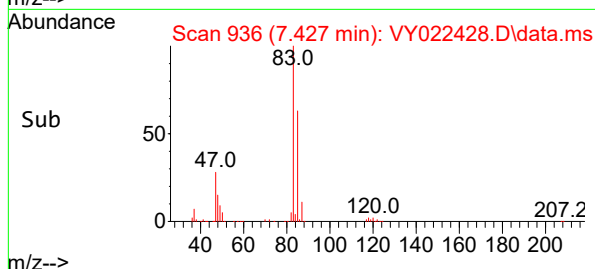
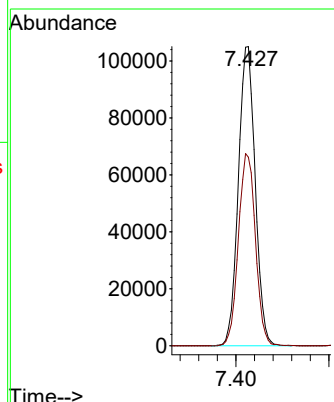
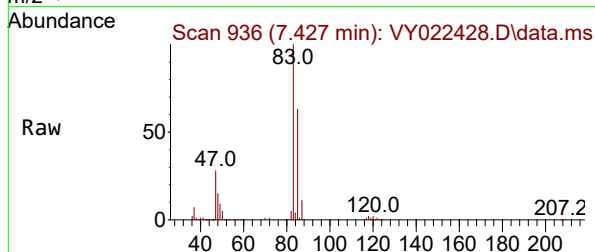
Instrument :  
MSVOA\_Y  
ClientSampleId :

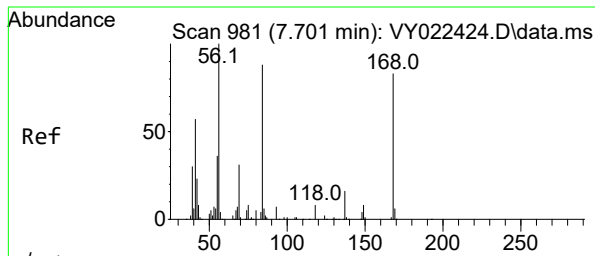
Tgt Ion: 42 Resp: 136796  
Ion Ratio Lower Upper  
42 100  
72 46.3 37.7 56.5  
71 43.0 34.7 52.1



#30  
Chloroform  
Concen: 51.416 ug/l  
RT: 7.427 min Scan# 936  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 83 Resp: 263982  
Ion Ratio Lower Upper  
83 100  
85 63.0 50.1 75.1

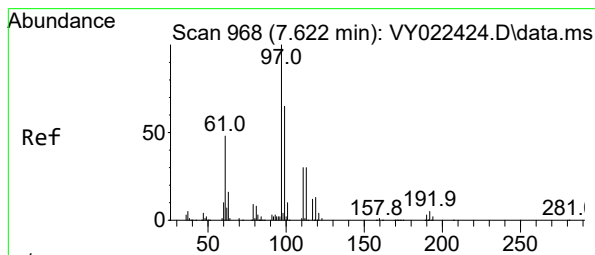
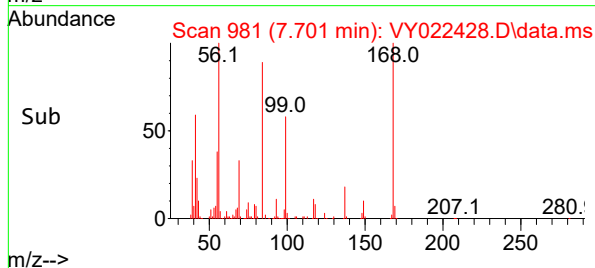
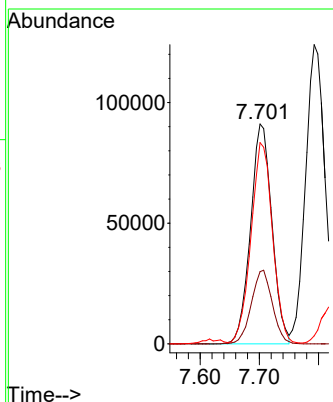
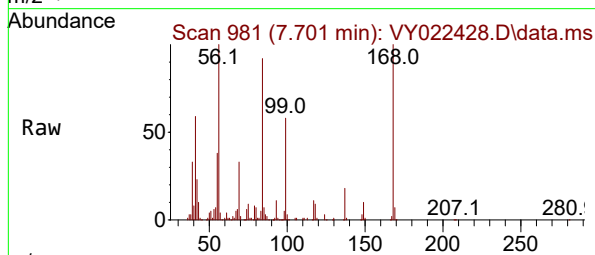




#31  
Cyclohexane  
Concen: 44.566 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

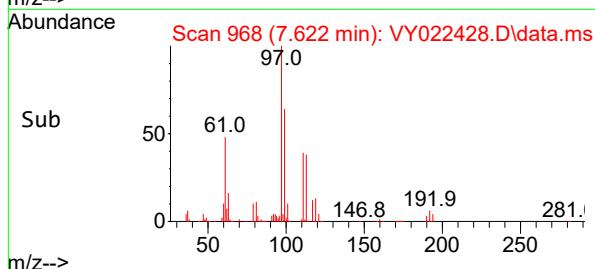
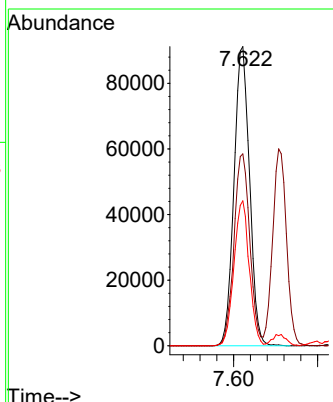
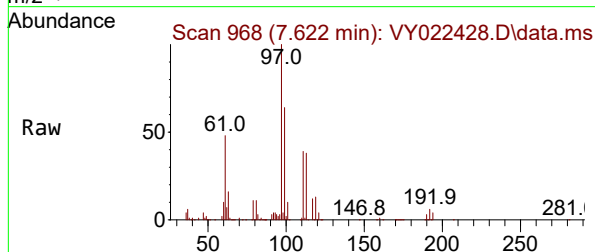
Instrument :  
MSVOA\_Y  
ClientSampleId :

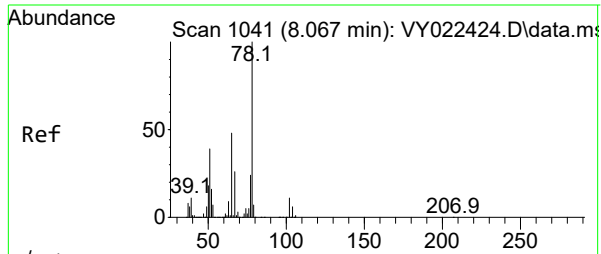
Tgt Ion: 56 Resp: 228904  
Ion Ratio Lower Upper  
56 100  
69 32.8 24.6 36.8  
84 89.3 70.4 105.6



#32  
1,1,1-Trichloroethane  
Concen: 50.290 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 97 Resp: 234335  
Ion Ratio Lower Upper  
97 100  
99 65.5 51.3 76.9  
61 47.8 37.3 55.9



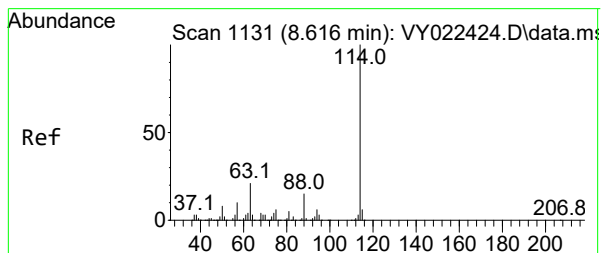
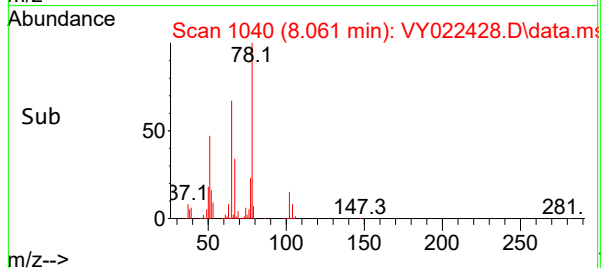
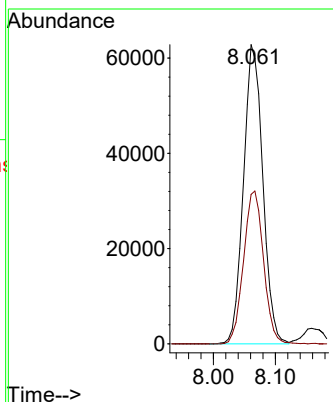
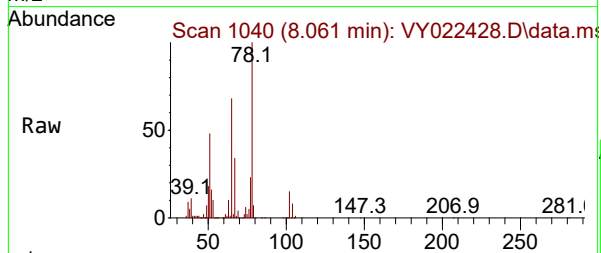


#33  
 1,2-Dichloroethane-d4  
 Concen: 50.905 ug/l  
 RT: 8.061 min Scan# 1  
 Delta R.T. -0.006 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 65 Resp: 135927  

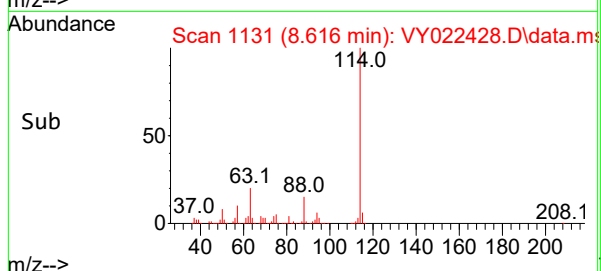
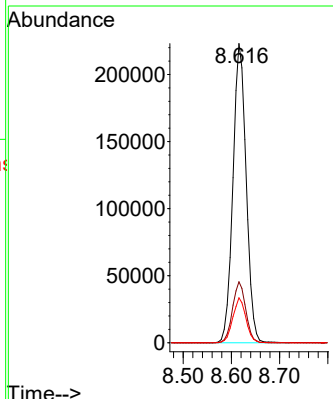
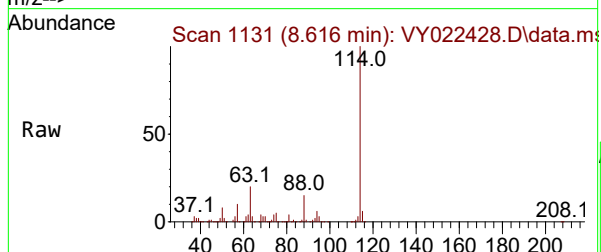
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.8  | 0.0   | 104.4 |

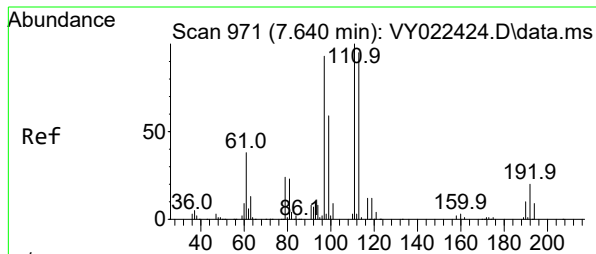


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Tgt Ion:114 Resp: 425137  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.4  | 0.0   | 42.6  |
| 88  | 15.0  | 0.0   | 29.4  |

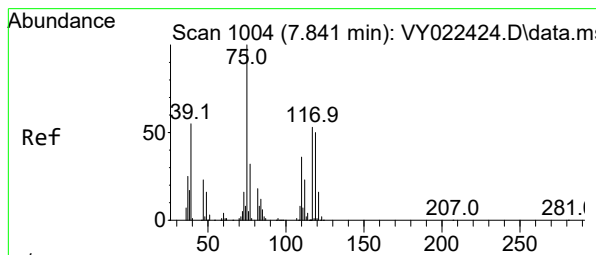
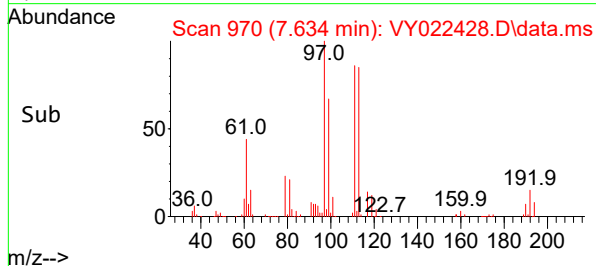
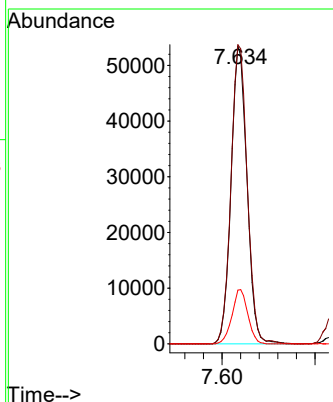
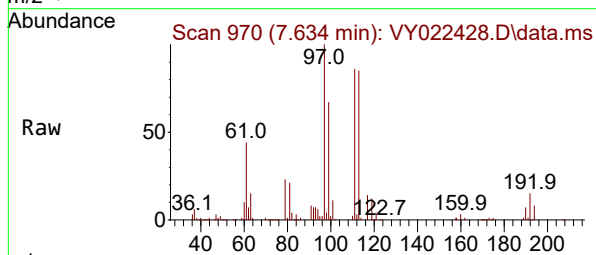




#35  
Dibromofluoromethane  
Concen: 50.924 ug/l  
RT: 7.634 min Scan# 9  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

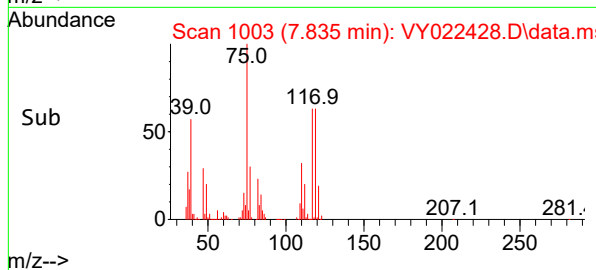
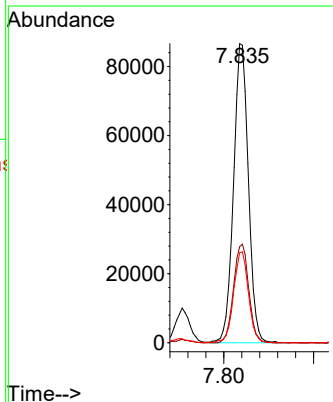
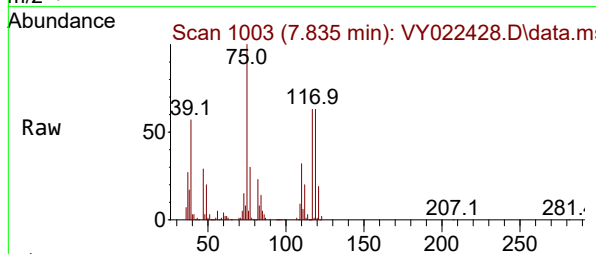
Instrument :  
MSVOA\_Y  
ClientSampleId :

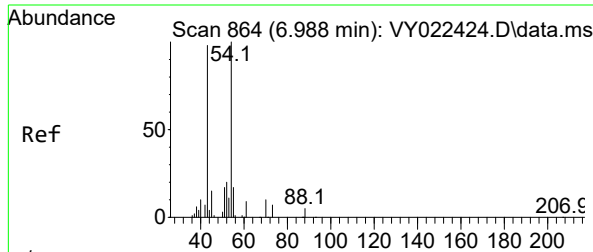
Tgt Ion:113 Resp: 126788  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.4 123.6  
192 18.1 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 50.295 ug/l  
RT: 7.835 min Scan# 1003  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 75 Resp: 198705  
Ion Ratio Lower Upper  
75 100  
110 33.8 17.1 51.2  
77 30.6 25.1 37.7

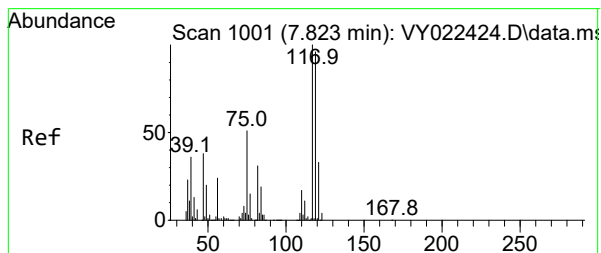
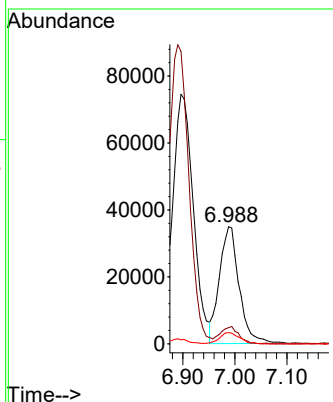
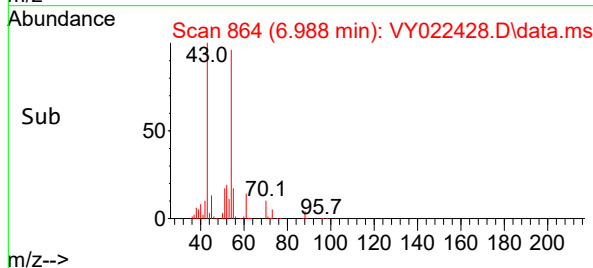
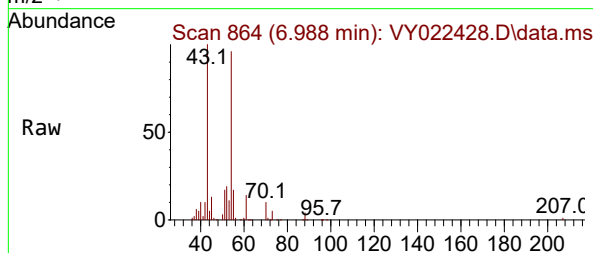




#37  
Ethyl Acetate  
Concen: 54.775 ug/l  
RT: 6.988 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

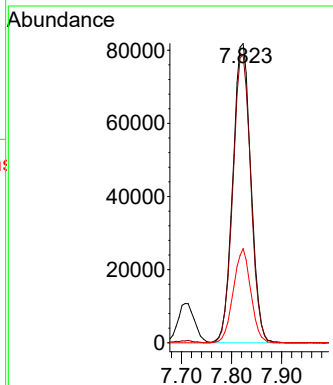
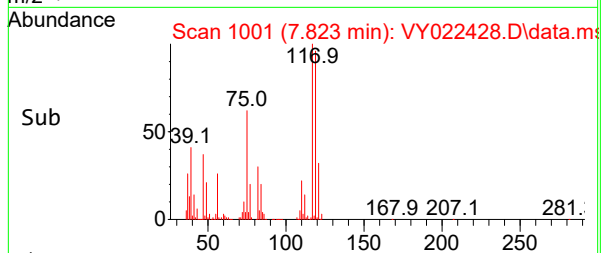
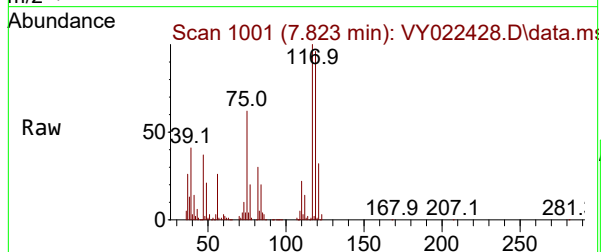
Instrument :  
MSVOA\_Y  
ClientSampleId :

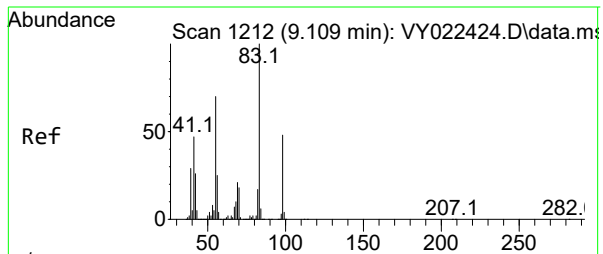
Tgt Ion: 43 Resp: 91969  
Ion Ratio Lower Upper  
43 100  
61 13.2 11.7 17.5  
70 9.8 7.8 11.6



#38  
Carbon Tetrachloride  
Concen: 49.782 ug/l  
RT: 7.823 min Scan# 1001  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:117 Resp: 204881  
Ion Ratio Lower Upper  
117 100  
119 96.2 76.3 114.5  
121 31.5 26.1 39.1

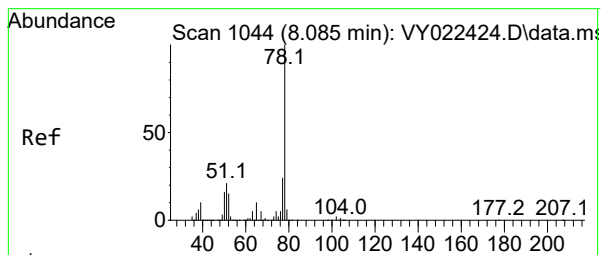
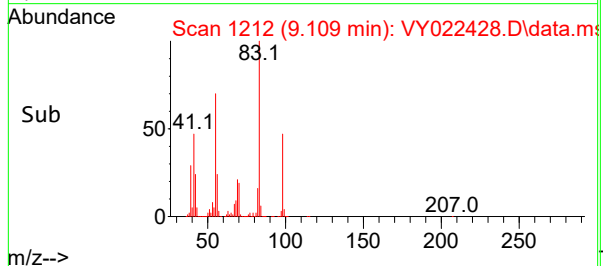
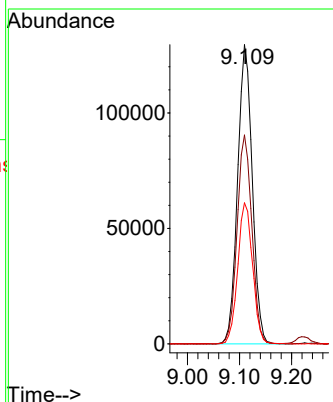
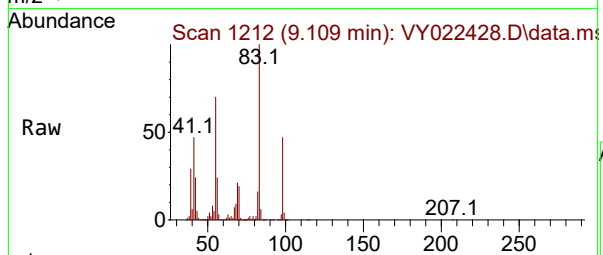




#39  
Methylcyclohexane  
Concen: 48.189 ug/l  
RT: 9.109 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

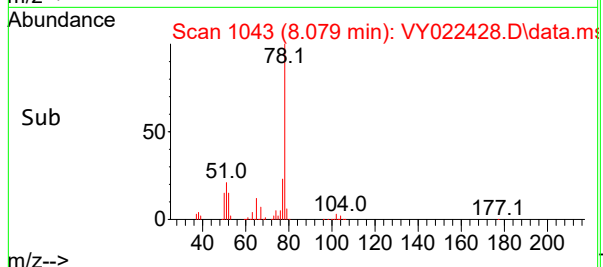
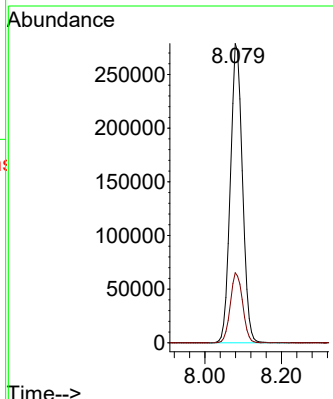
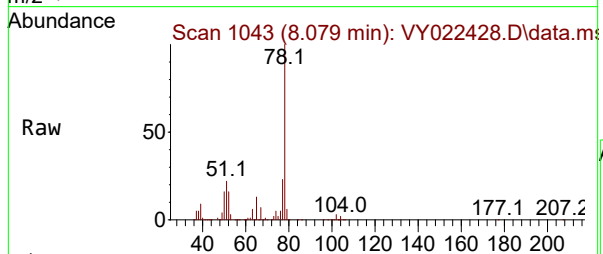
Instrument :  
MSVOA\_Y  
ClientSampleId :

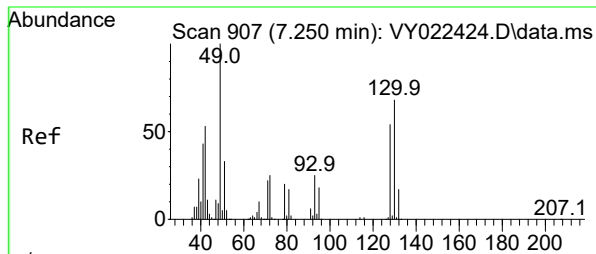
Tgt Ion: 83 Resp: 253073  
Ion Ratio Lower Upper  
83 100  
55 69.7 56.2 84.2  
98 47.1 38.4 57.6



#40  
Benzene  
Concen: 51.876 ug/l  
RT: 8.079 min Scan# 1043  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 78 Resp: 609847  
Ion Ratio Lower Upper  
78 100  
77 23.4 19.4 29.2

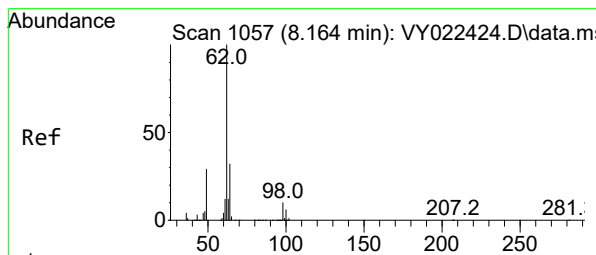
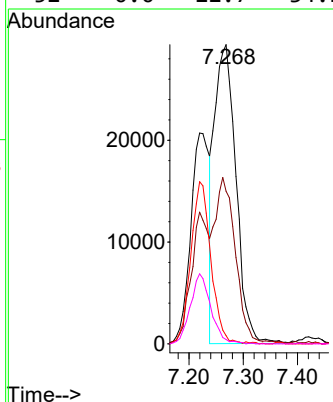
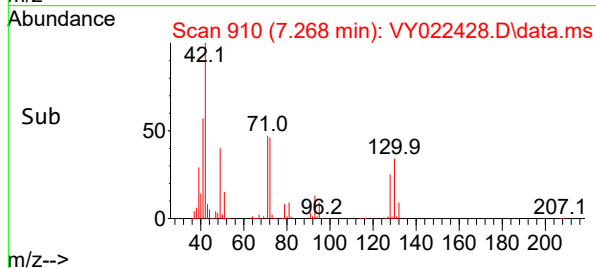
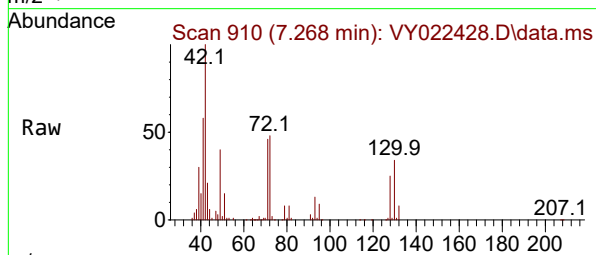




#41  
Methacrylonitrile  
Concen: 79.687 ug/l  
RT: 7.268 min Scan# 910  
Delta R.T. 0.018 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

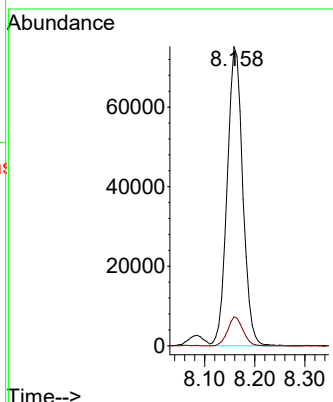
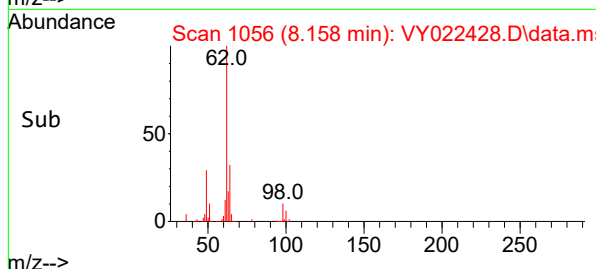
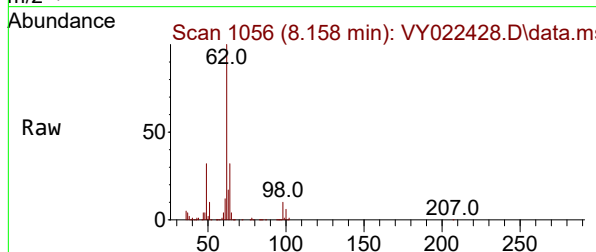
Instrument :  
MSVOA\_Y  
ClientSampleId :

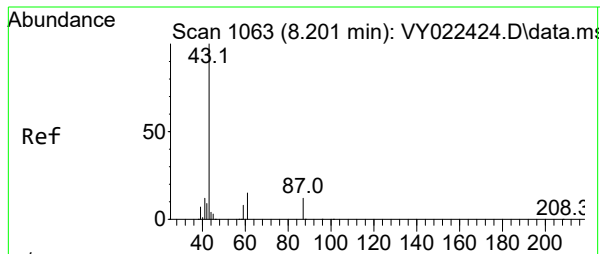
Tgt Ion: 41 Resp: 81207  
Ion Ratio Lower Upper  
41 100  
39 48.3 40.4 60.6  
67 0.0 53.0 79.4#  
52 0.0 22.7 34.1#



#42  
1,2-Dichloroethane  
Concen: 52.242 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 62 Resp: 162203  
Ion Ratio Lower Upper  
62 100  
98 9.5 0.0 18.4

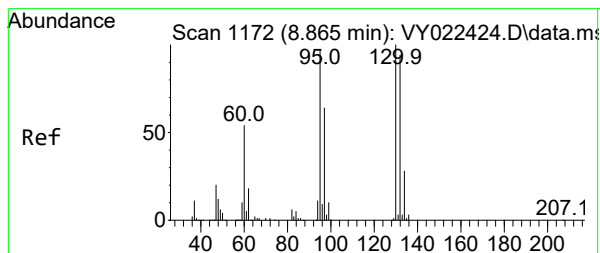
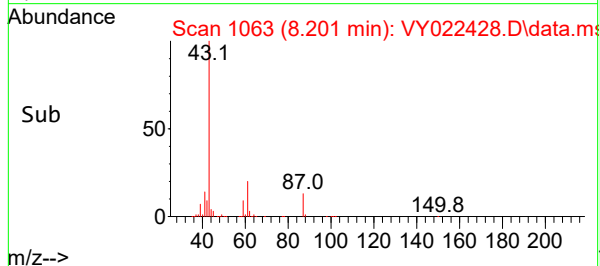
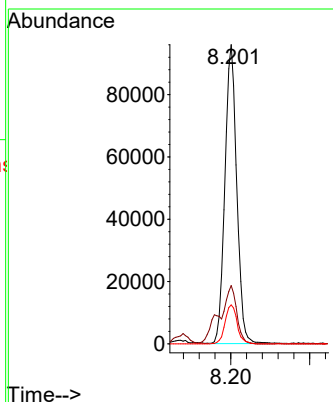
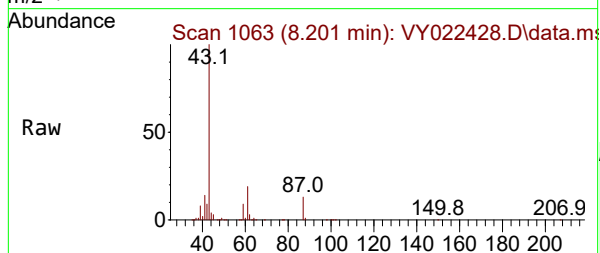




#43  
Isopropyl Acetate  
Concen: 54.305 ug/l  
RT: 8.201 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

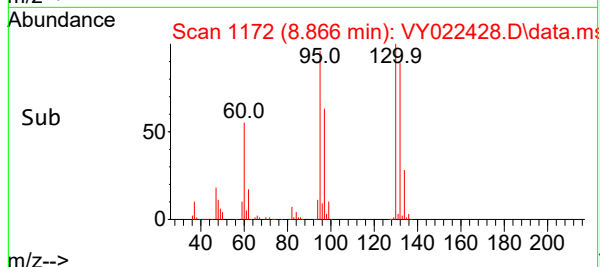
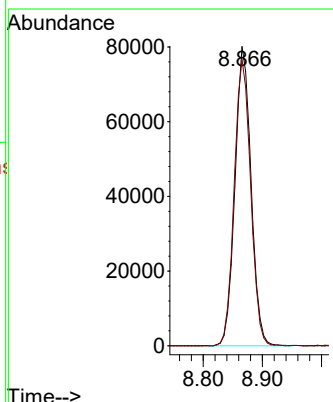
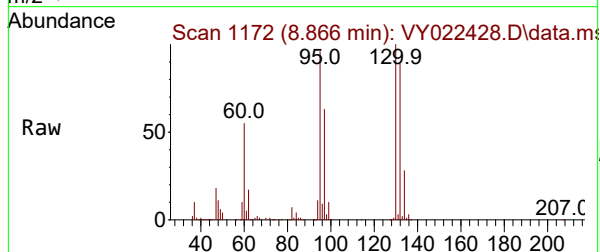
Instrument :  
MSVOA\_Y  
ClientSampleId :

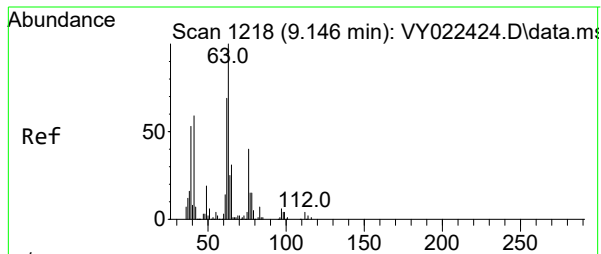
Tgt Ion: 43 Resp: 199246  
Ion Ratio Lower Upper  
43 100  
61 18.8 15.4 23.0  
87 13.3 10.6 15.8



#44  
Trichloroethene  
Concen: 52.041 ug/l  
RT: 8.866 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:130 Resp: 151238  
Ion Ratio Lower Upper  
130 100  
95 95.7 0.0 194.8



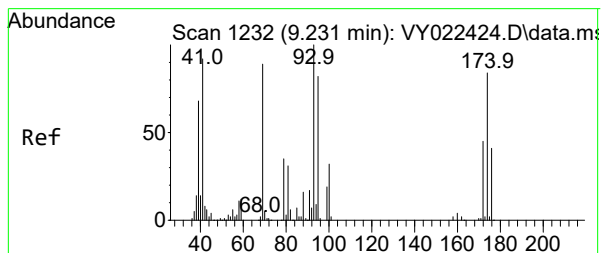
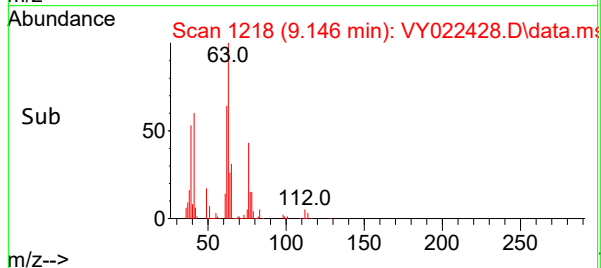
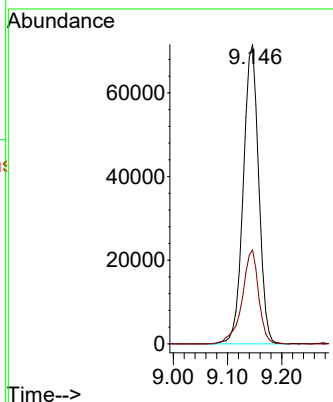
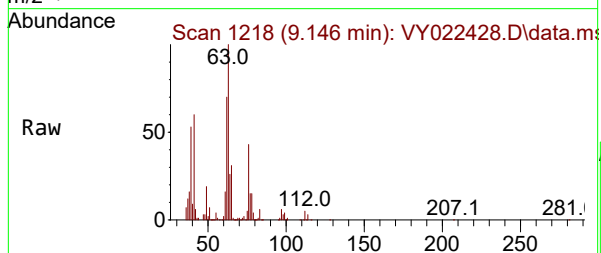


#45  
 1,2-Dichloropropane  
 Concen: 50.975 ug/l  
 RT: 9.146 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 63 Resp: 140797  

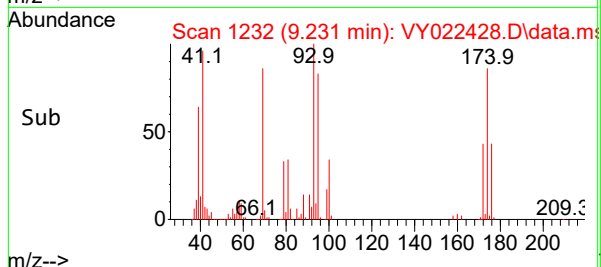
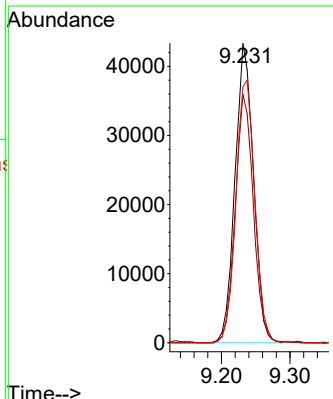
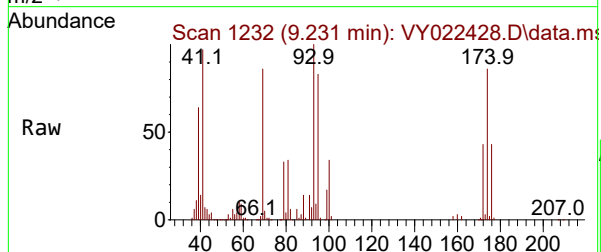
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 31.4  | 25.1  | 37.7  |

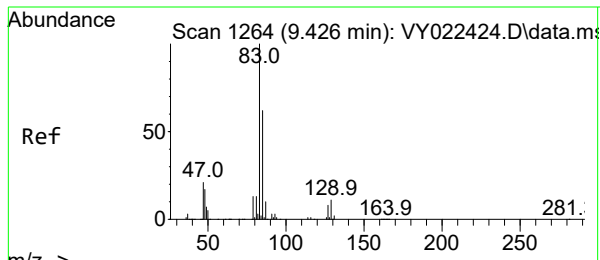


#46  
 Dibromomethane  
 Concen: 52.586 ug/l  
 RT: 9.231 min Scan# 1232  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Tgt Ion: 93 Resp: 81139  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 81.8  | 66.2  | 99.2  |
| 174 | 89.9  | 71.1  | 106.7 |

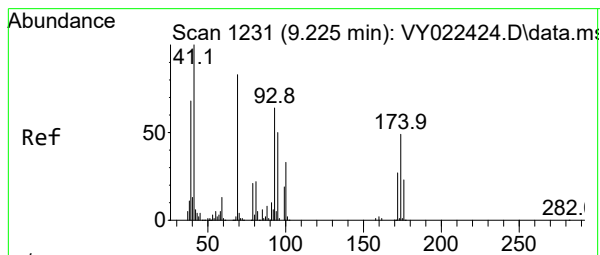
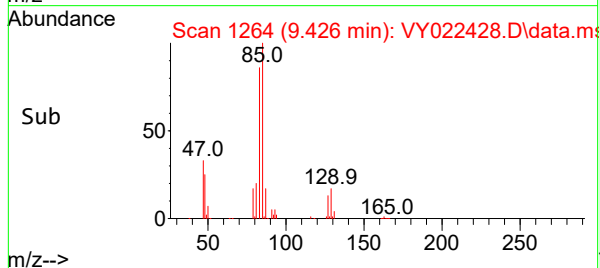
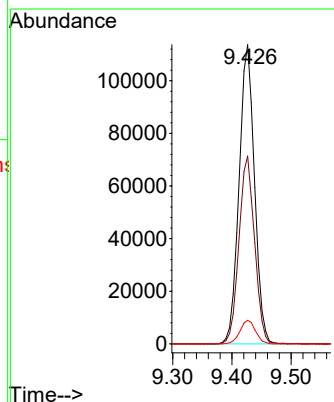
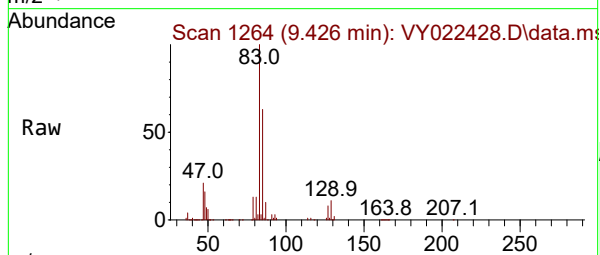




#47  
Bromodichloromethane  
Concen: 51.745 ug/l  
RT: 9.426 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

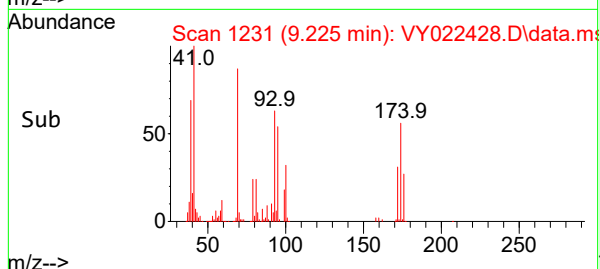
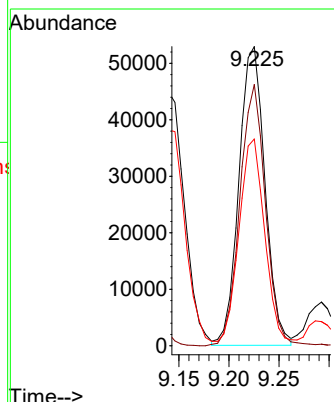
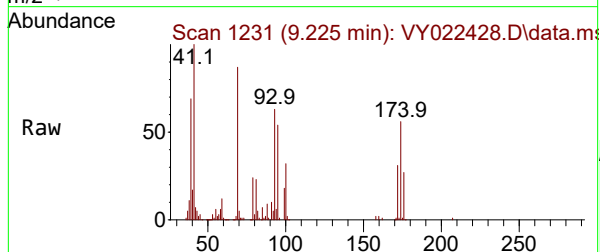
Instrument :  
MSVOA\_Y  
ClientSampleId :

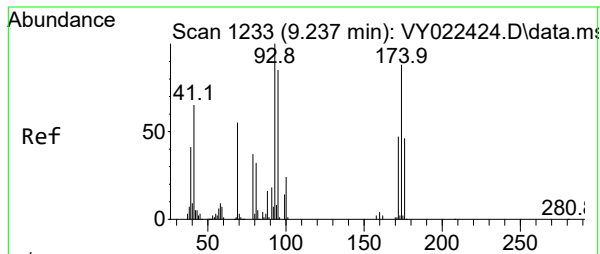
Tgt Ion: 83 Resp: 205314  
Ion Ratio Lower Upper  
83 100  
85 62.8 49.8 74.6  
127 7.9 6.6 9.8



#48  
Methyl methacrylate  
Concen: 56.276 ug/l  
RT: 9.225 min Scan# 1231  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 41 Resp: 95846  
Ion Ratio Lower Upper  
41 100  
69 86.1 70.3 105.5  
39 66.0 55.4 83.0

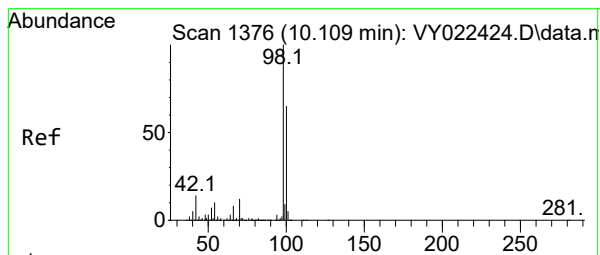
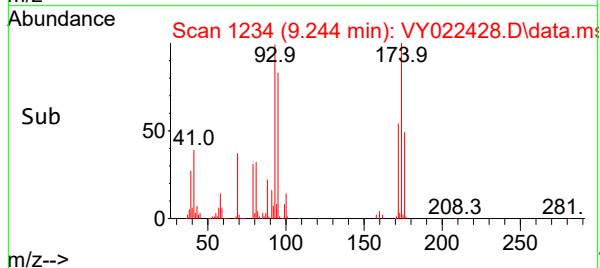
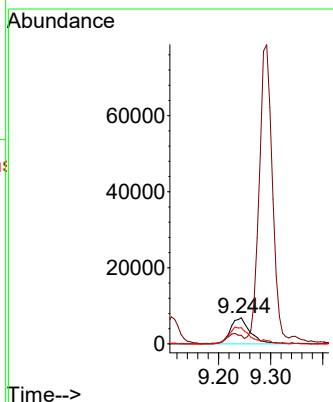
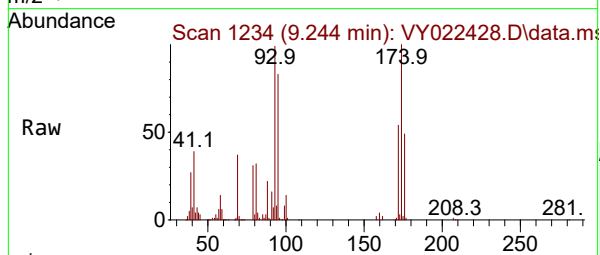




#49  
1,4-Dioxane  
Concen: 1051.366 ug/l  
RT: 9.244 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

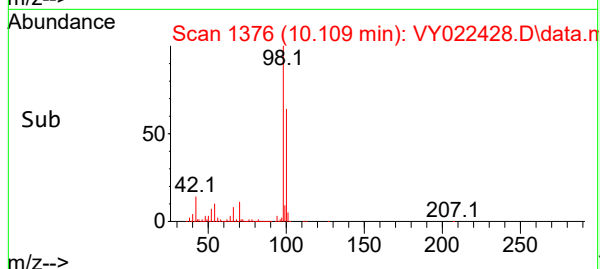
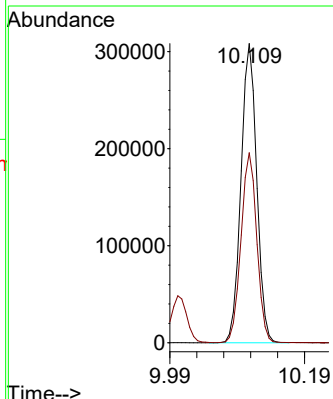
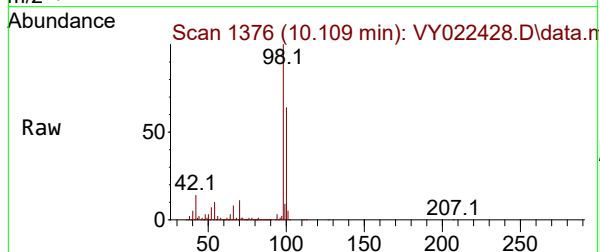
Instrument :  
MSVOA\_Y  
ClientSampleId :

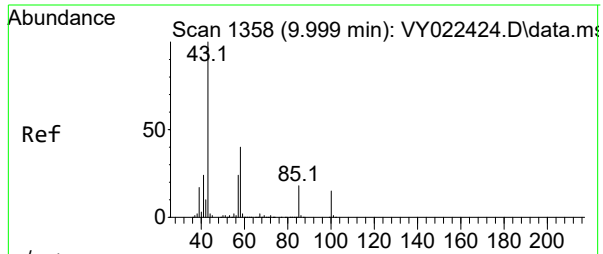
Tgt Ion: 88 Resp: 17918  
Ion Ratio Lower Upper  
88 100  
43 30.9 26.9 40.3  
58 64.5 55.8 83.6



#50  
Toluene-d8  
Concen: 50.886 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 98 Resp: 516469  
Ion Ratio Lower Upper  
98 100  
100 63.5 52.2 78.2

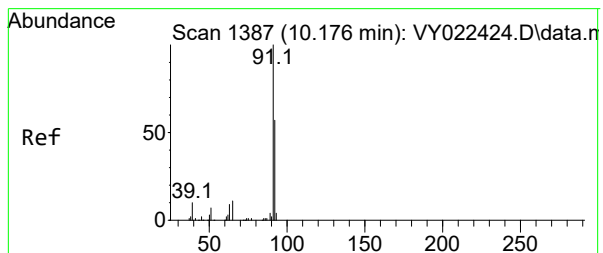
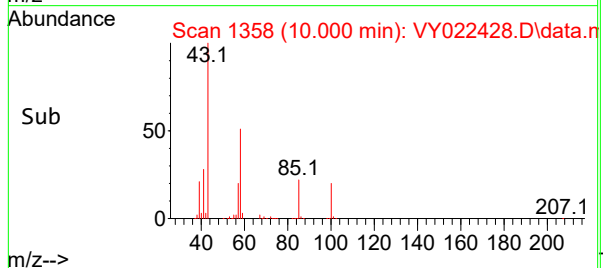
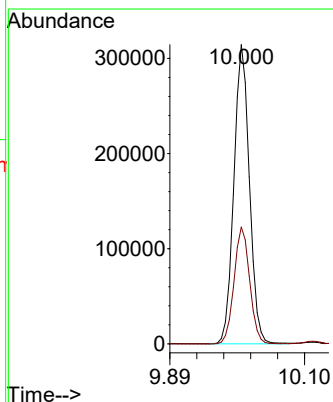
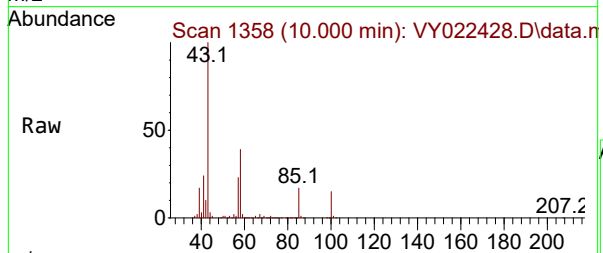




#51  
4-Methyl-2-Pentanone  
Concen: 287.032 ug/l  
RT: 10.000 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

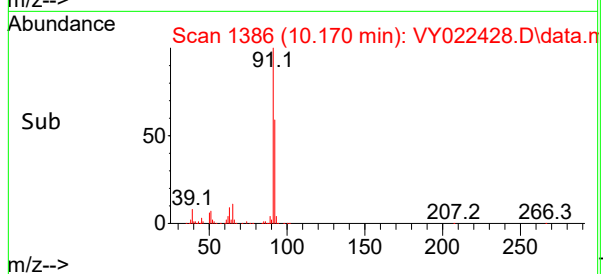
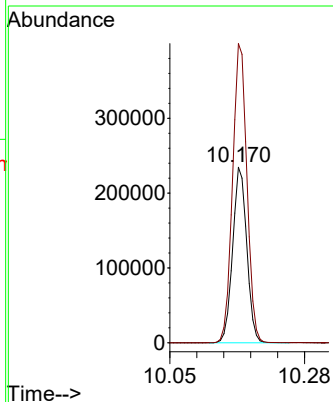
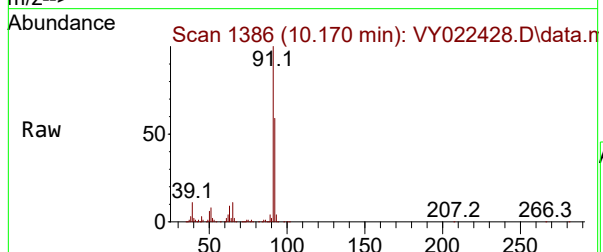
Instrument :  
MSVOA\_Y  
ClientSampleId :

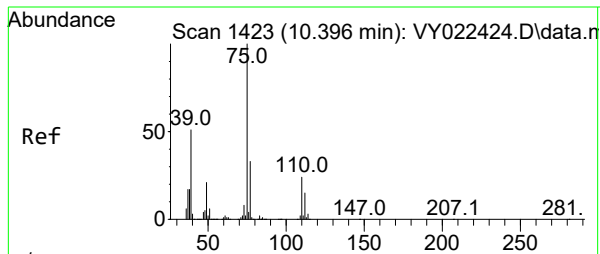
Tgt Ion: 43 Resp: 519609  
Ion Ratio Lower Upper  
43 100  
58 39.2 31.2 46.8



#52  
Toluene  
Concen: 52.832 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 92 Resp: 387936  
Ion Ratio Lower Upper  
92 100  
91 173.4 139.8 209.6



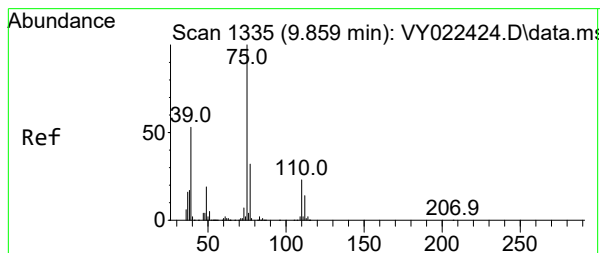
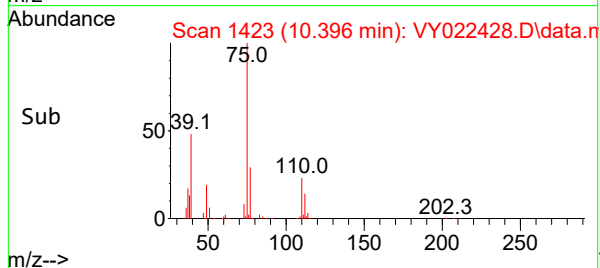
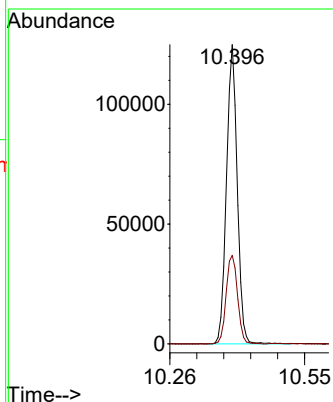
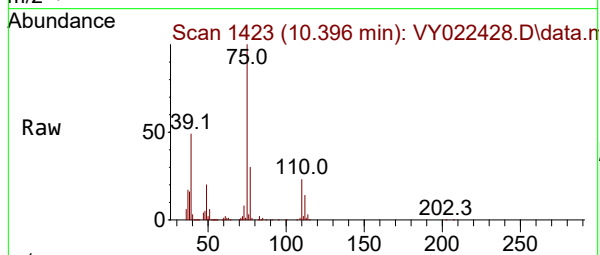


#53  
 t-1,3-Dichloropropene  
 Concen: 54.094 ug/l  
 RT: 10.396 min Scan# 1423  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 75 Resp: 199925  

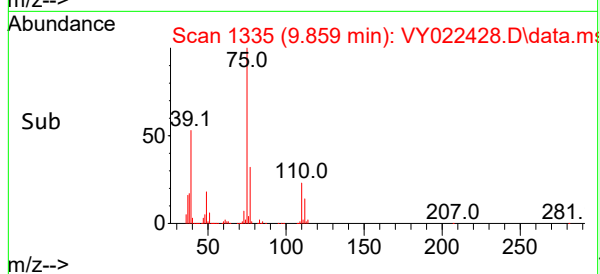
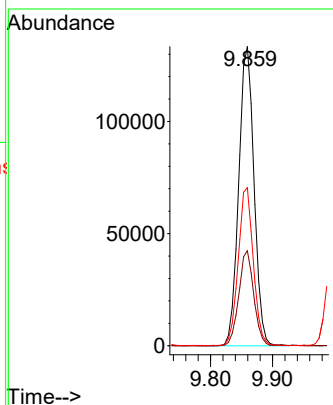
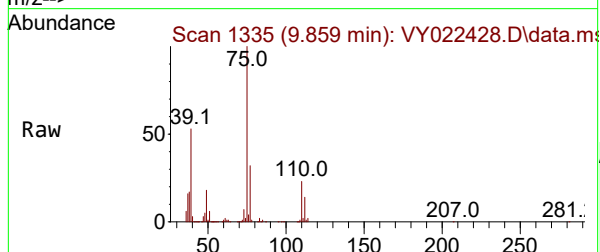
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 29.5  | 26.2  | 39.2  |

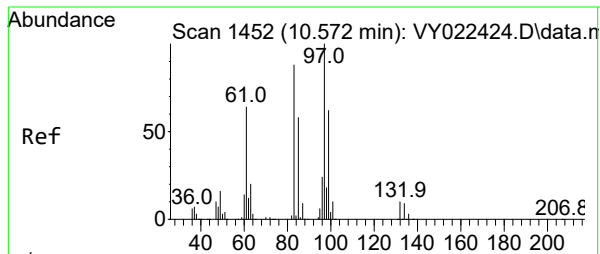


#54  
 cis-1,3-Dichloropropene  
 Concen: 52.618 ug/l  
 RT: 9.859 min Scan# 1335  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Tgt Ion: 75 Resp: 228509  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 31.8  | 25.4  | 38.2  |
| 39  | 52.8  | 42.5  | 63.7  |



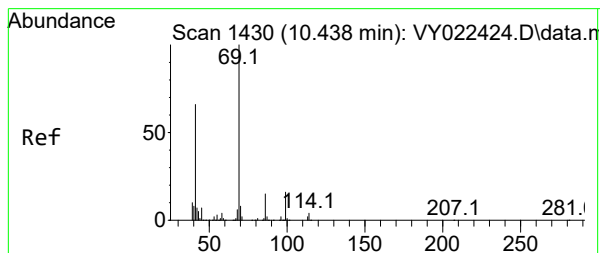
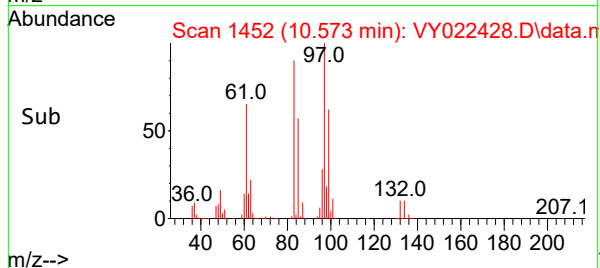
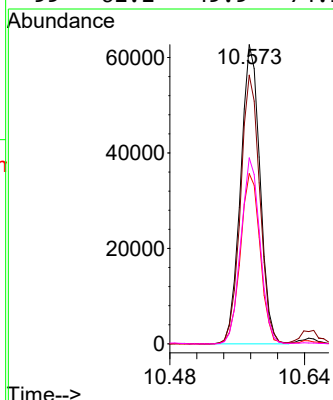
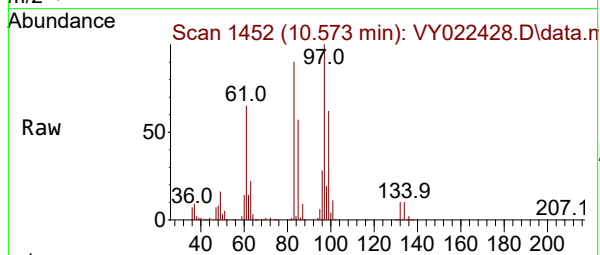


#55  
 1,1,2-Trichloroethane  
 Concen: 53.168 ug/l  
 RT: 10.573 min Scan# 1452  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 97 Resp: 103722  

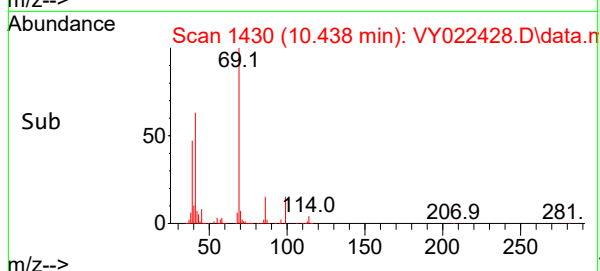
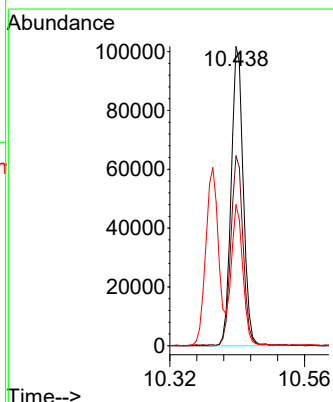
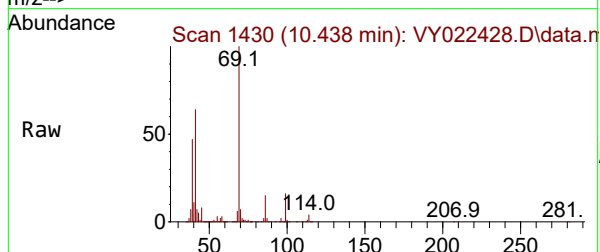
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 89.8  | 70.2  | 105.4 |
| 85  | 56.9  | 46.1  | 69.1  |
| 99  | 62.2  | 49.9  | 74.9  |

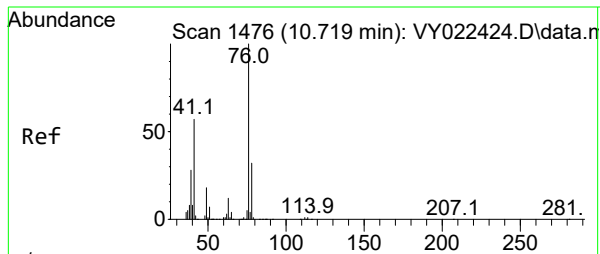


#56  
 Ethyl methacrylate  
 Concen: 55.994 ug/l  
 RT: 10.438 min Scan# 1430  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Tgt Ion: 69 Resp: 156757  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 64.1  | 51.2  | 76.8  |
| 39  | 44.3  | 35.2  | 52.8  |



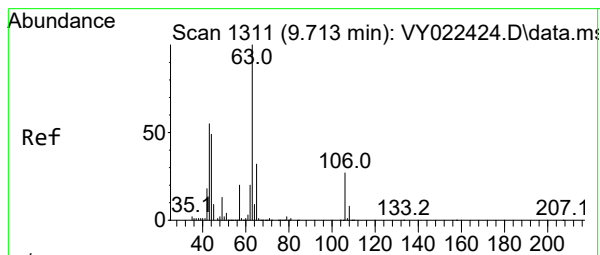
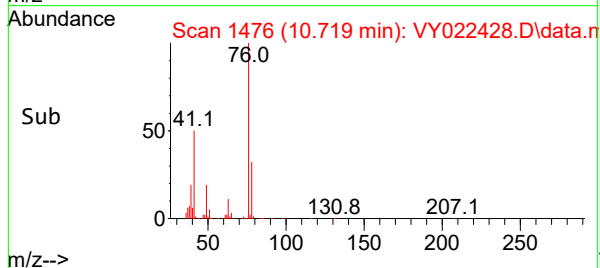
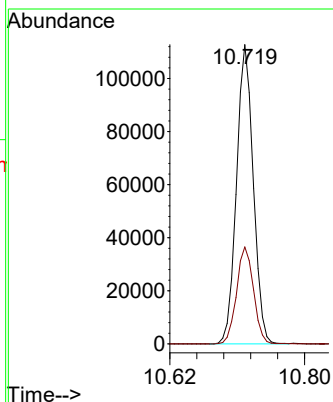
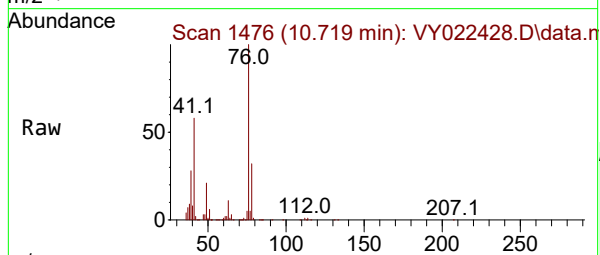


#57  
 1,3-Dichloropropane  
 Concen: 52.634 ug/l  
 RT: 10.719 min Scan# 1476  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 76 Resp: 180948  

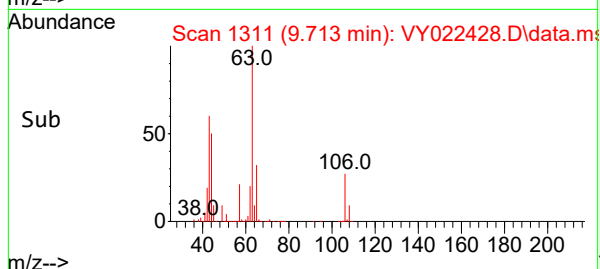
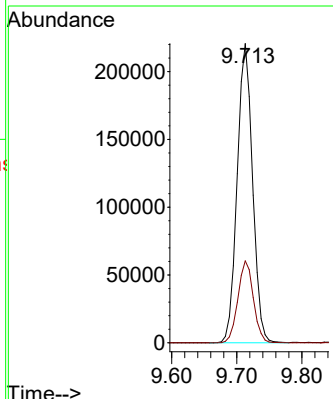
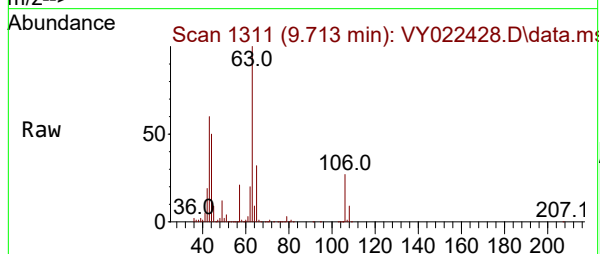
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 78  | 32.8  | 25.8  | 38.8  |

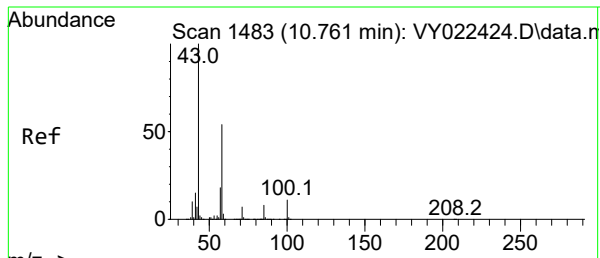


#58  
 2-Chloroethyl Vinyl ether  
 Concen: 259.493 ug/l  
 RT: 9.713 min Scan# 1311  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Tgt Ion: 63 Resp: 362054  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 106 | 27.5  | 22.2  | 33.2  |

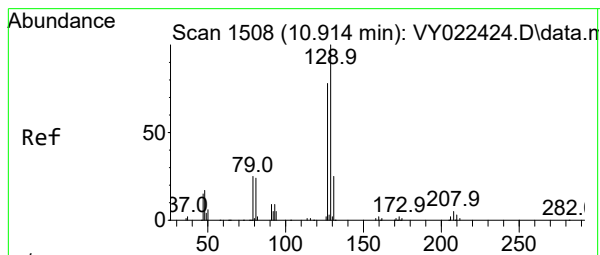
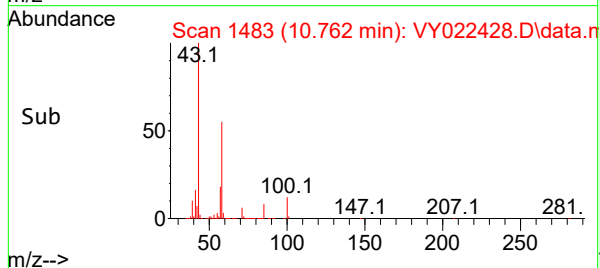
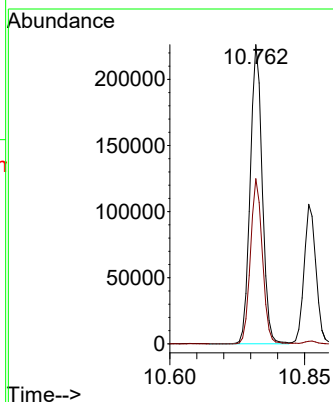
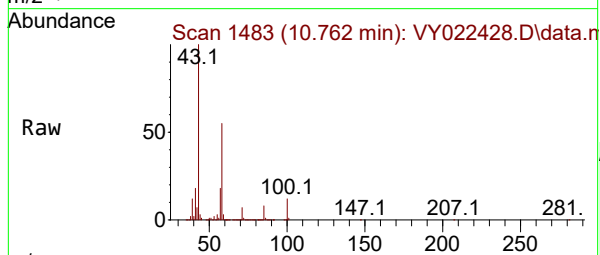




#59  
2-Hexanone  
Concen: 292.964 ug/l  
RT: 10.762 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

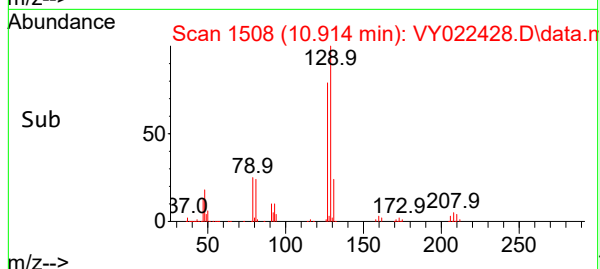
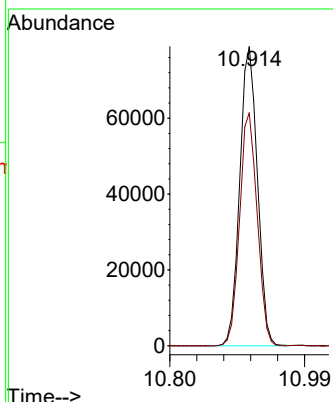
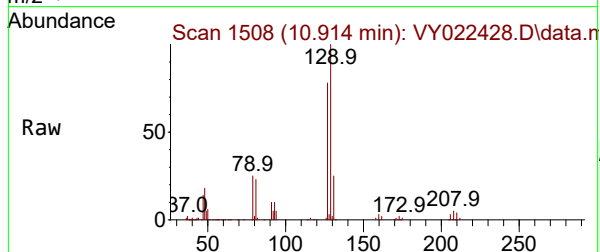
Instrument :  
MSVOA\_Y  
ClientSampleId :

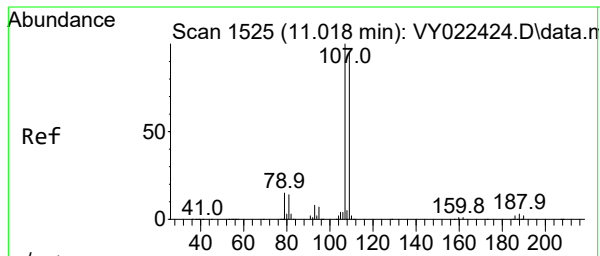
Tgt Ion: 43 Resp: 347563  
Ion Ratio Lower Upper  
43 100  
58 54.8 27.1 81.2



#60  
Dibromochloromethane  
Concen: 53.666 ug/l  
RT: 10.914 min Scan# 1508  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:129 Resp: 133735  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.3 114.8

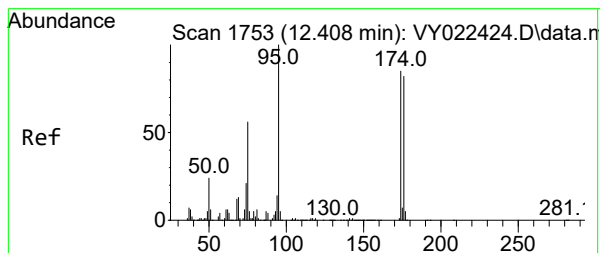
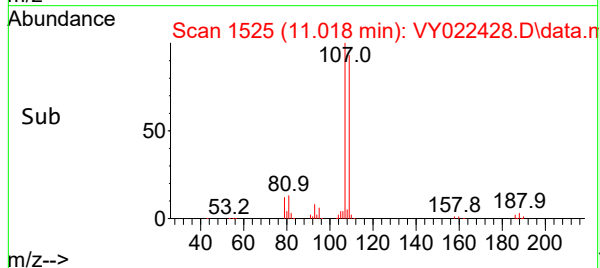
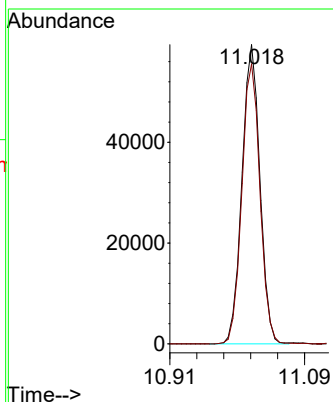
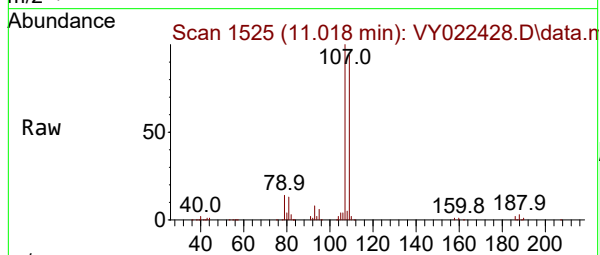




#61  
1,2-Dibromoethane  
Concen: 54.130 ug/l  
RT: 11.018 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

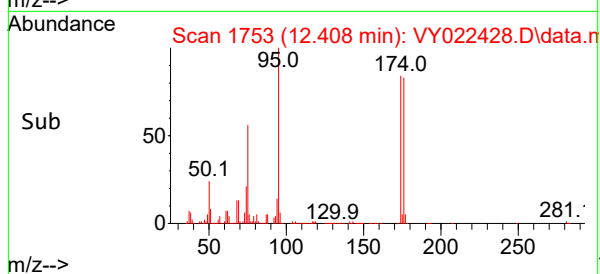
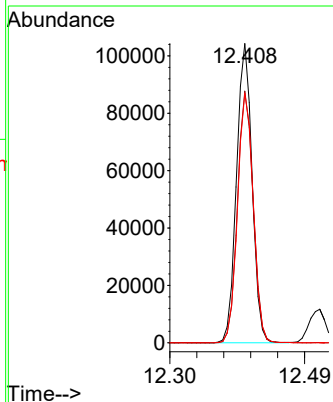
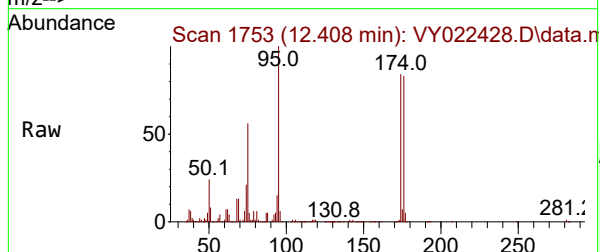
Instrument :  
MSVOA\_Y  
ClientSampleId :

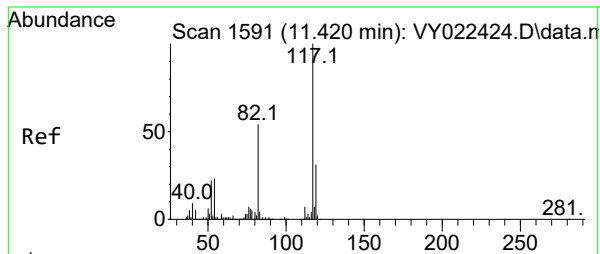
Tgt Ion:107 Resp: 96584  
Ion Ratio Lower Upper  
107 100  
109 94.3 74.0 111.0



#62  
4-Bromofluorobenzene  
Concen: 50.731 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 95 Resp: 155747  
Ion Ratio Lower Upper  
95 100  
174 85.0 0.0 171.6  
176 84.3 0.0 164.6

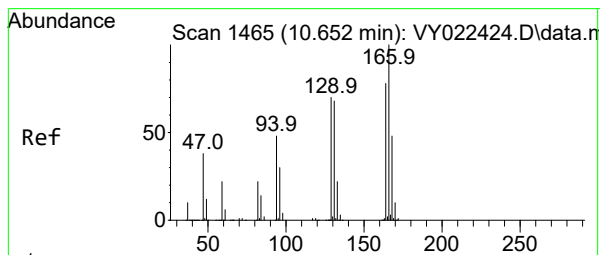
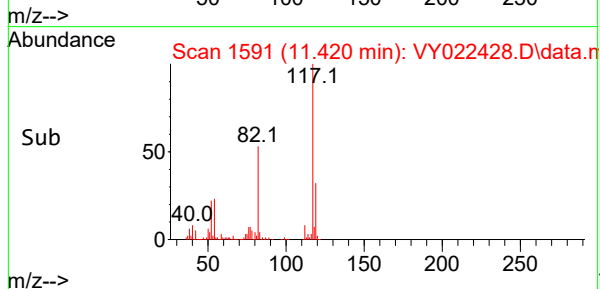
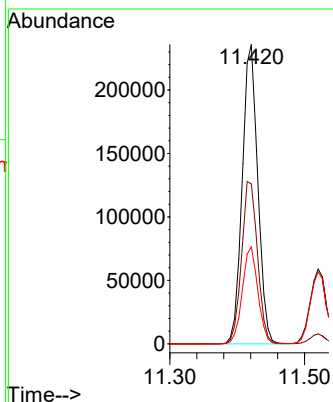
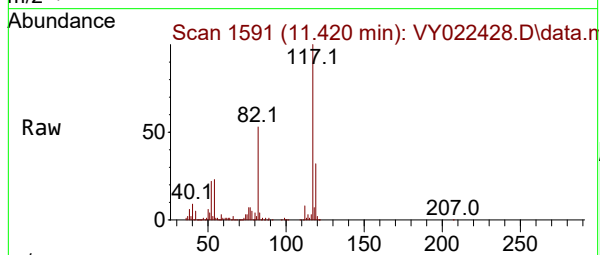




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

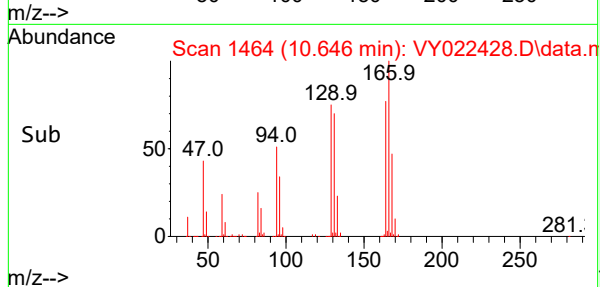
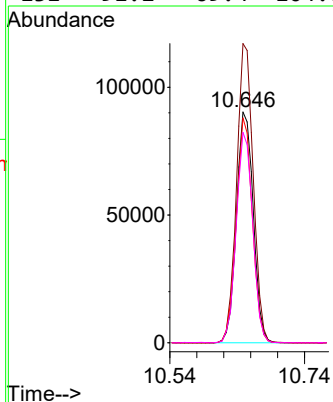
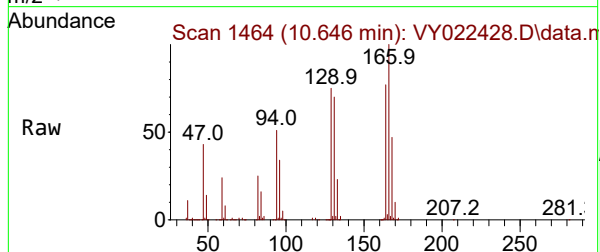
Instrument :  
MSVOA\_Y  
ClientSampleId :

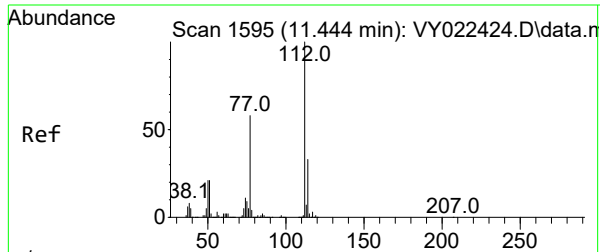
Tgt Ion:117 Resp: 371169  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.3 64.9  
119 32.5 24.5 36.7



#64  
Tetrachloroethene  
Concen: 48.564 ug/l  
RT: 10.646 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:164 Resp: 153515  
Ion Ratio Lower Upper  
164 100  
166 129.7 102.0 153.0  
129 97.4 71.3 106.9  
131 91.2 69.4 104.0

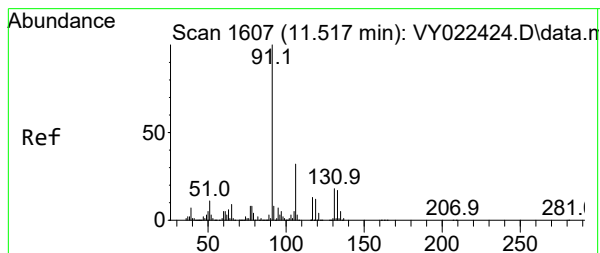
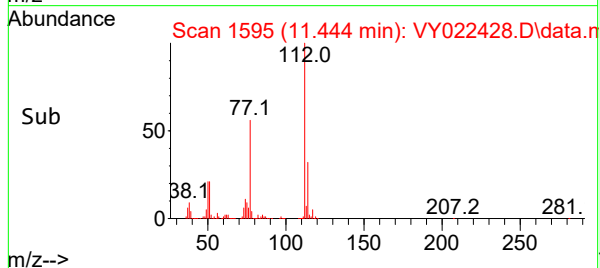
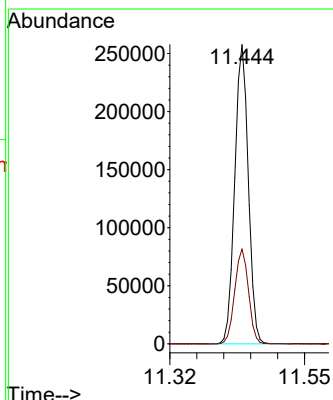
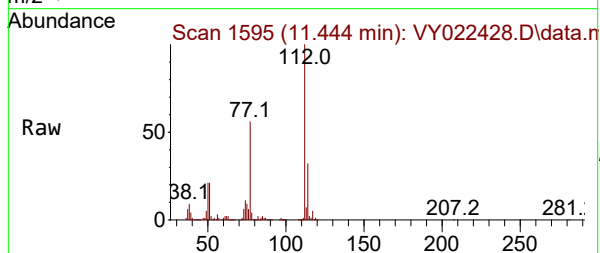




#65  
Chlorobenzene  
Concen: 51.703 ug/l  
RT: 11.444 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

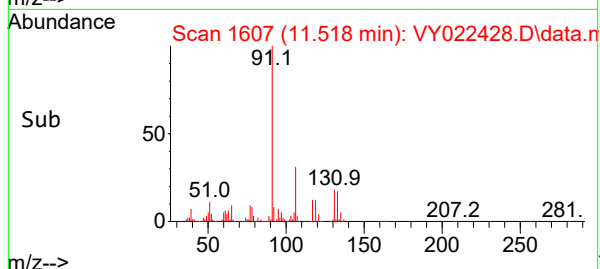
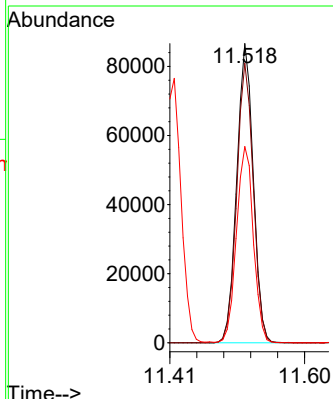
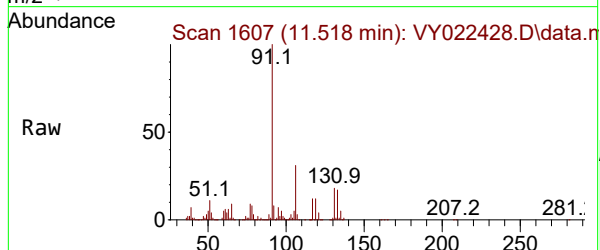
Instrument :  
MSVOA\_Y  
ClientSampleId :

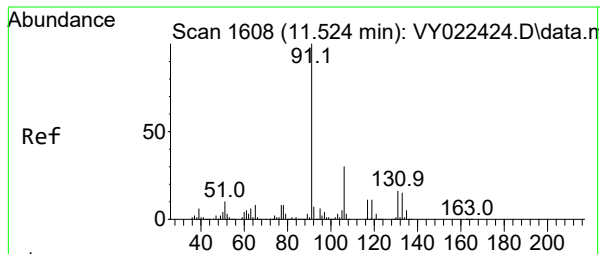
Tgt Ion:112 Resp: 409198  
Ion Ratio Lower Upper  
112 100  
114 31.7 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.219 ug/l  
RT: 11.518 min Scan# 1607  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:131 Resp: 137345  
Ion Ratio Lower Upper  
131 100  
133 93.5 46.6 139.8  
119 67.0 33.3 99.8

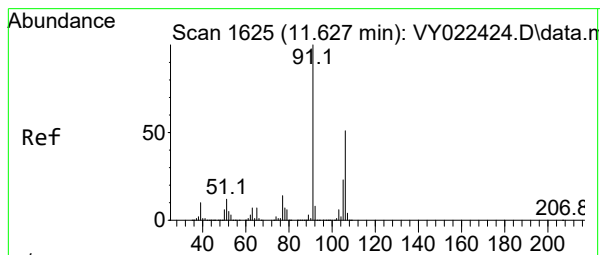
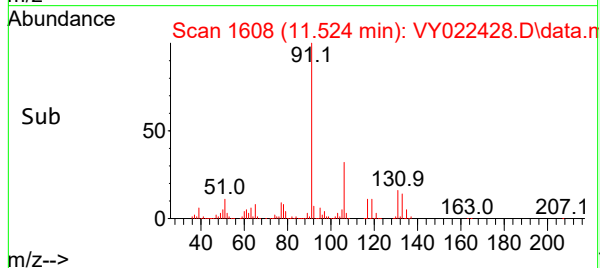
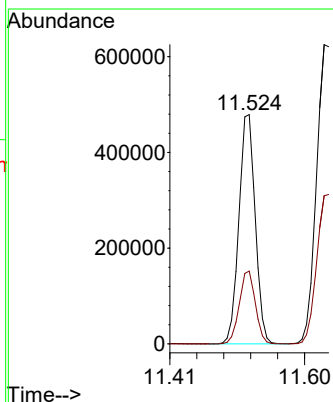
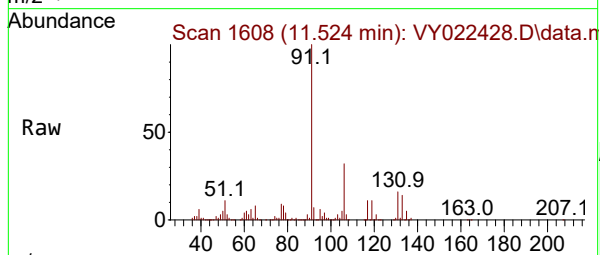




#67  
Ethyl Benzene  
Concen: 50.971 ug/l  
RT: 11.524 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

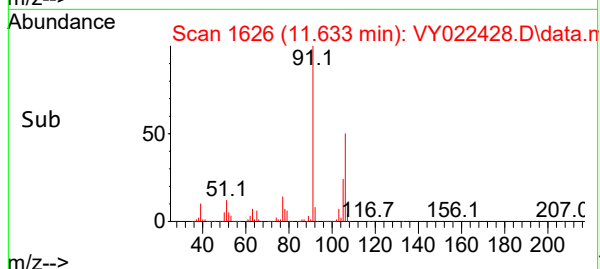
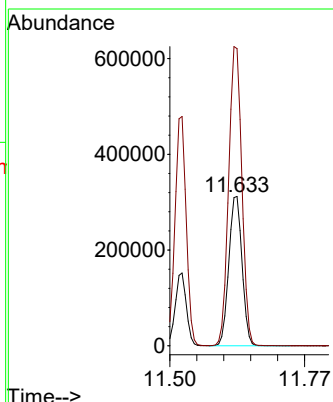
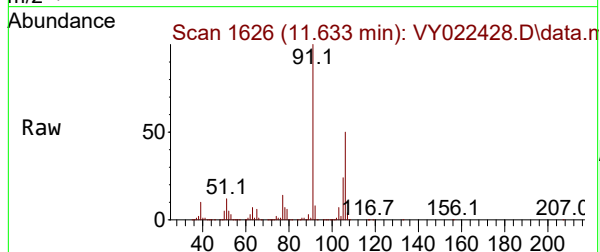
Instrument :  
MSVOA\_Y  
ClientSampleId :

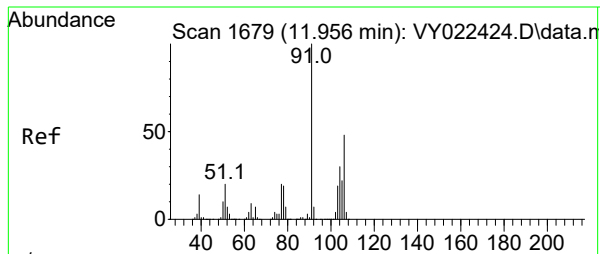
Tgt Ion: 91 Resp: 749047  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.4 36.6



#68  
m/p-Xylenes  
Concen: 102.513 ug/l  
RT: 11.633 min Scan# 1626  
Delta R.T. 0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:106 Resp: 571164  
Ion Ratio Lower Upper  
106 100  
91 199.8 159.8 239.8

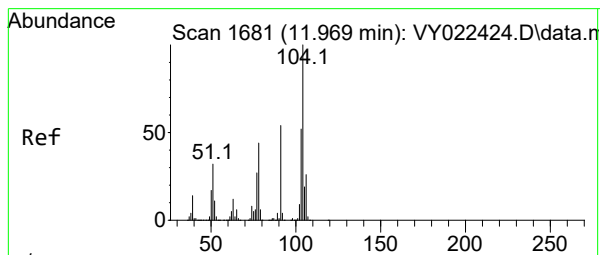
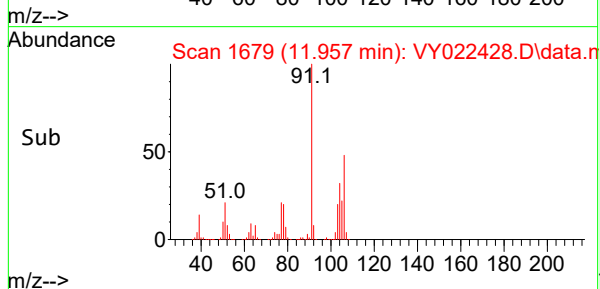
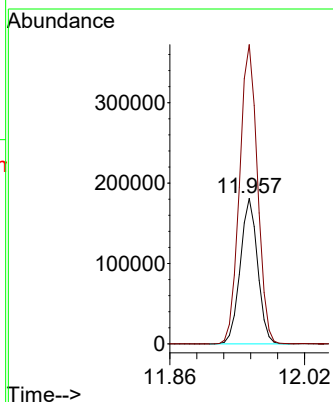
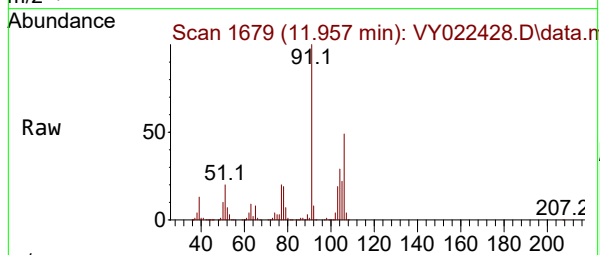




#69  
o-Xylene  
Concen: 51.205 ug/l  
RT: 11.957 min Scan# 1679  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

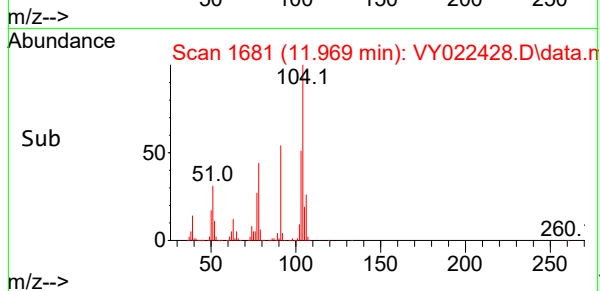
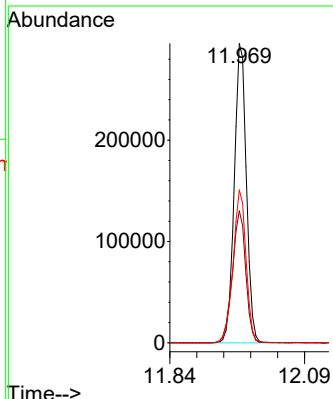
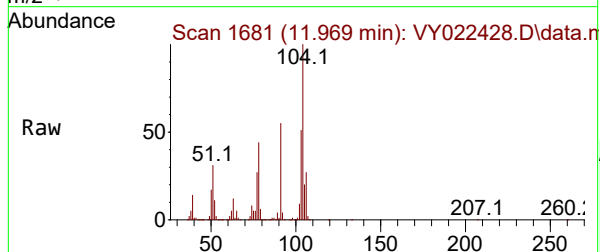
Instrument : MSVOA\_Y  
ClientSampleId :

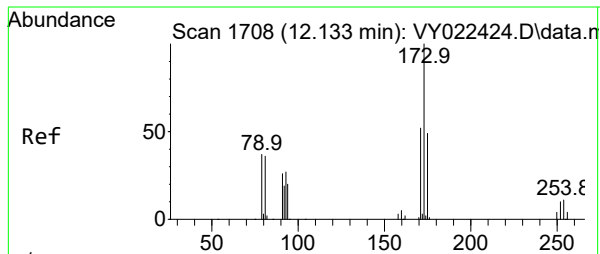
Tgt Ion:106 Resp: 268131  
Ion Ratio Lower Upper  
106 100  
91 212.5 106.3 318.9



#70  
Styrene  
Concen: 52.397 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:104 Resp: 456865  
Ion Ratio Lower Upper  
104 100  
78 48.6 38.8 58.2  
103 54.6 43.4 65.2

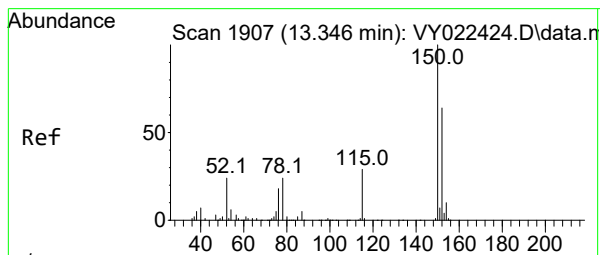
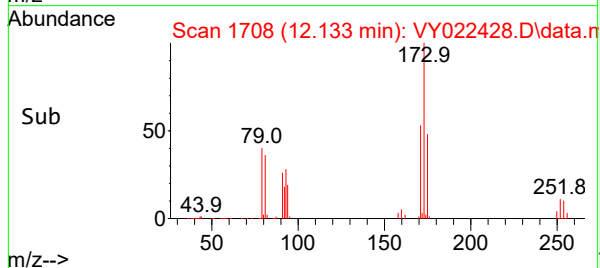
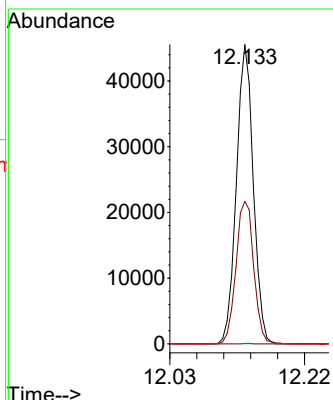
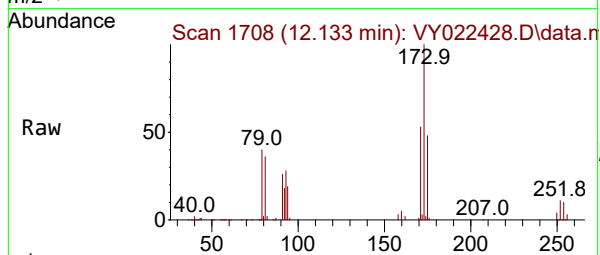




#71  
Bromoform  
Concen: 52.420 ug/l  
RT: 12.133 min Scan# 1708  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

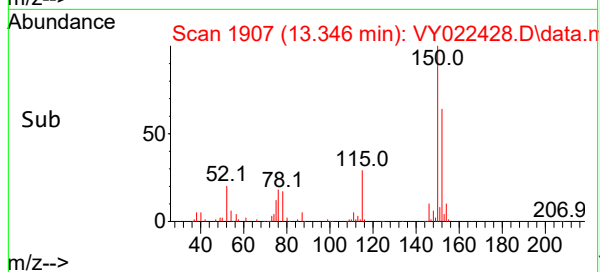
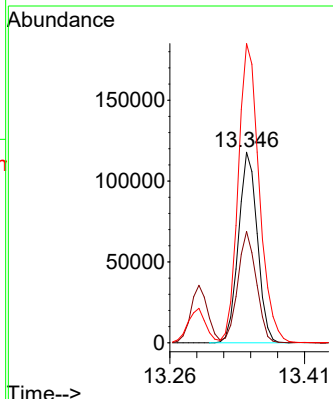
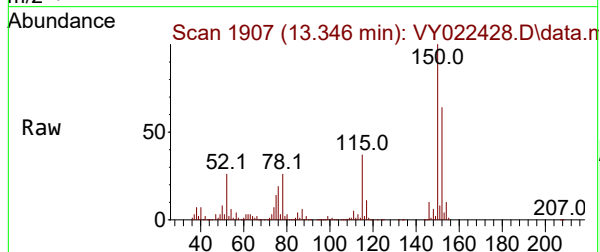
Instrument :  
MSVOA\_Y  
ClientSampleId :

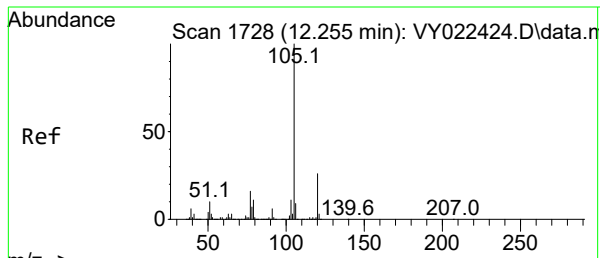
Tgt Ion:173 Resp: 73628  
Ion Ratio Lower Upper  
173 100  
175 50.0 24.3 73.0  
254 0.1 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:152 Resp: 177242  
Ion Ratio Lower Upper  
152 100  
115 57.4 28.4 85.3  
150 175.4 0.0 345.8

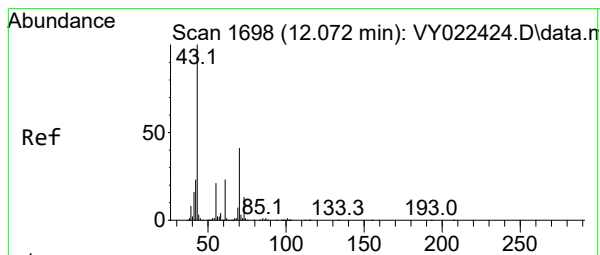
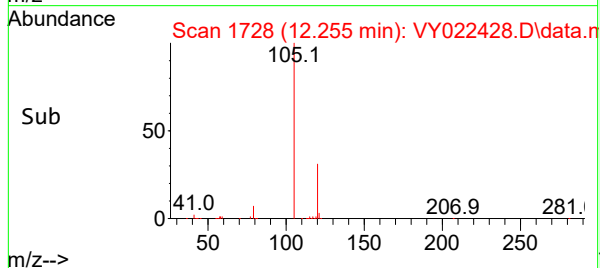
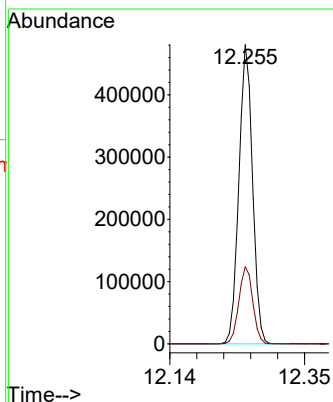
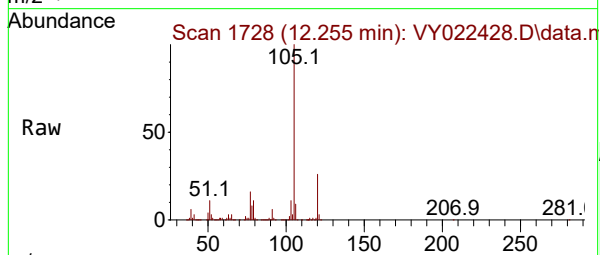




#73  
Isopropylbenzene  
Concen: 50.060 ug/l  
RT: 12.255 min Scan# 1728  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

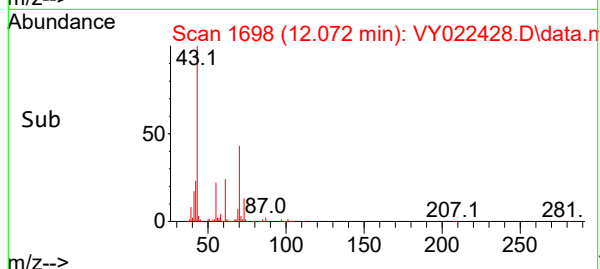
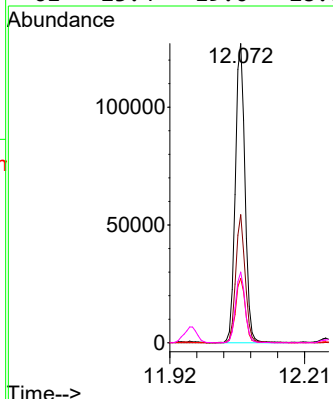
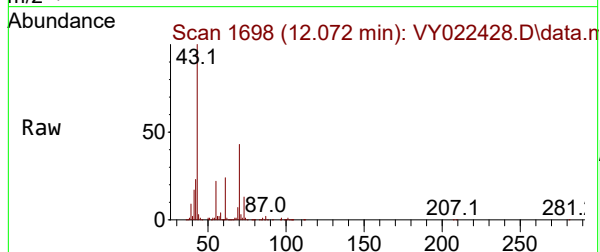
Instrument :  
MSVOA\_Y  
ClientSampleId :

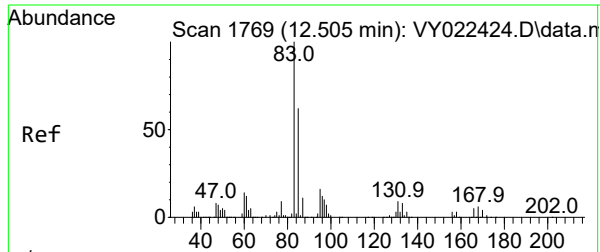
Tgt Ion: 105 Resp: 698311  
Ion Ratio Lower Upper  
105 100  
120 26.3 13.2 39.5



#74  
N-ethyl acetate  
Concen: 53.559 ug/l  
RT: 12.072 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 43 Resp: 182818  
Ion Ratio Lower Upper  
43 100  
70 41.6 33.0 49.4  
55 21.9 17.5 26.3  
61 23.4 19.0 28.6

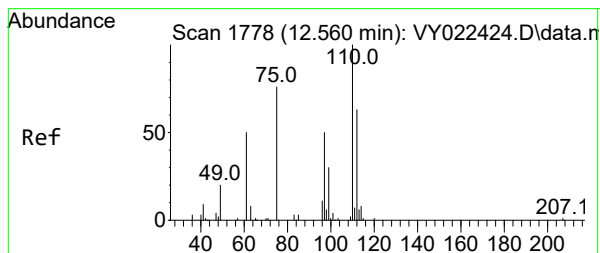
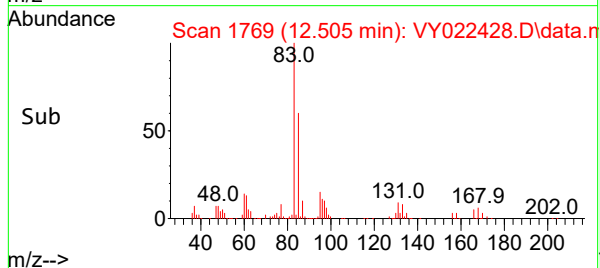
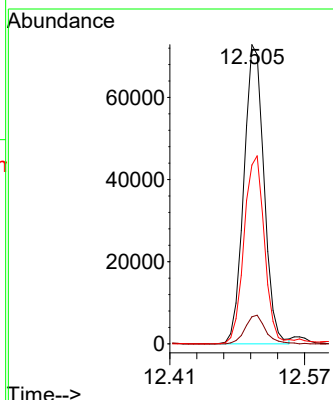
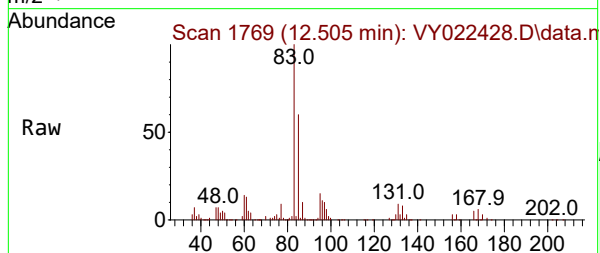




#75  
1,1,2,2-Tetrachloroethane  
Concen: 53.303 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

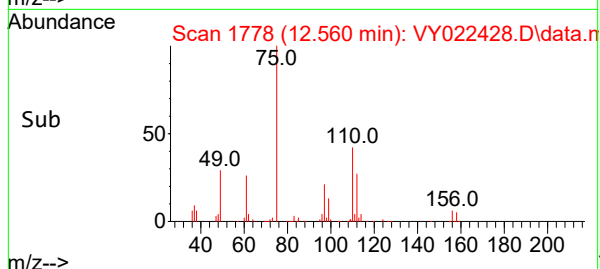
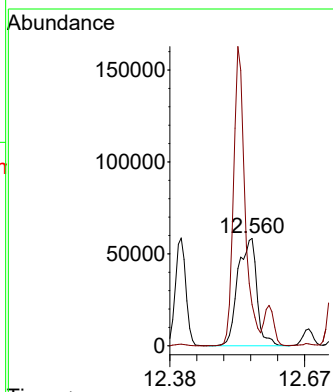
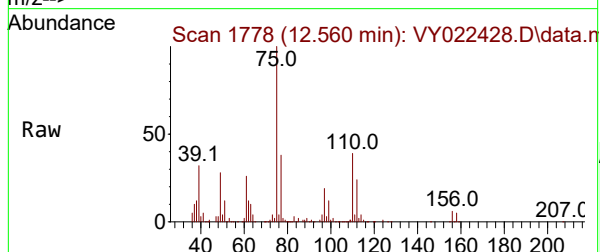
Instrument :  
MSVOA\_Y  
ClientSampleId :

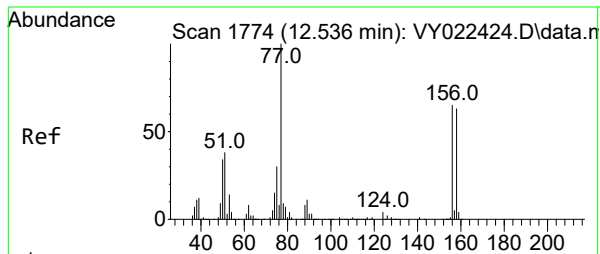
Tgt Ion: 83 Resp: 117150  
Ion Ratio Lower Upper  
83 100  
131 9.8 4.8 14.4  
85 65.0 32.0 96.2



#76  
1,2,3-Trichloropropane  
Concen: 92.866 ug/l  
RT: 12.560 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 75 Resp: 164872  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

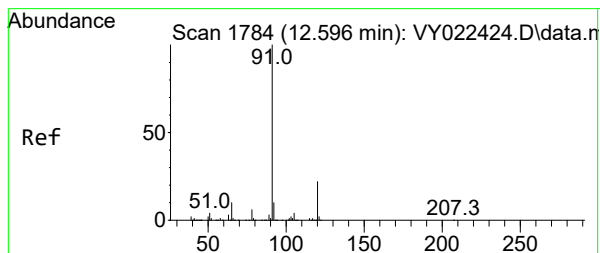
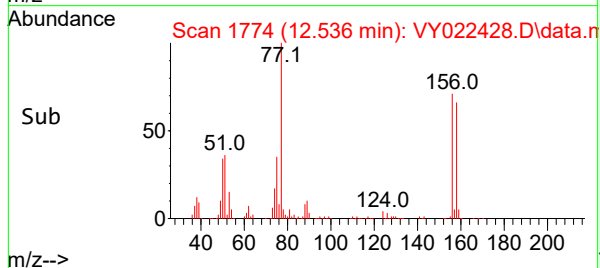
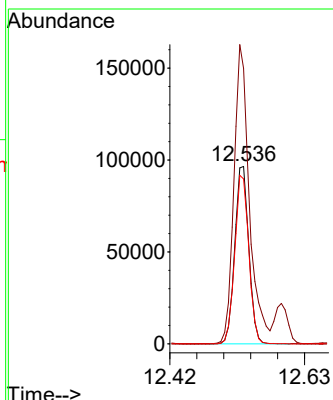
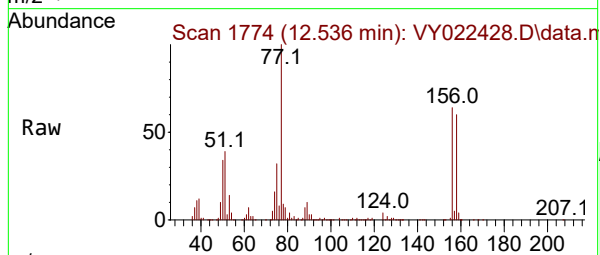




#77  
Bromobenzene  
Concen: 50.481 ug/l  
RT: 12.536 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

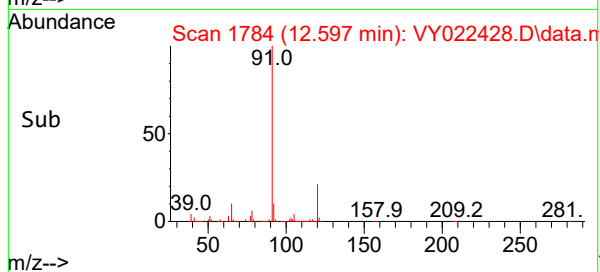
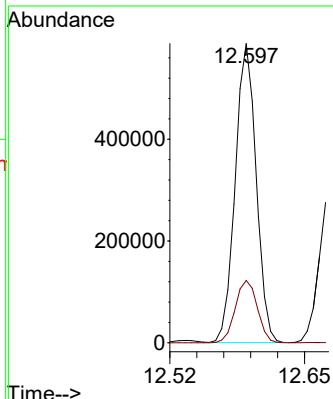
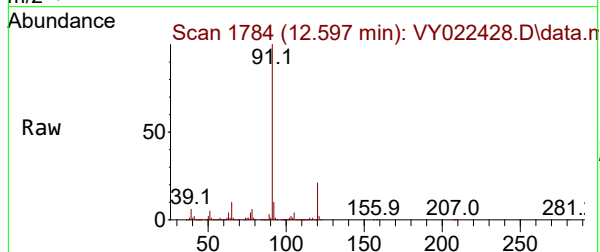
Instrument :  
MSVOA\_Y  
ClientSampleId :

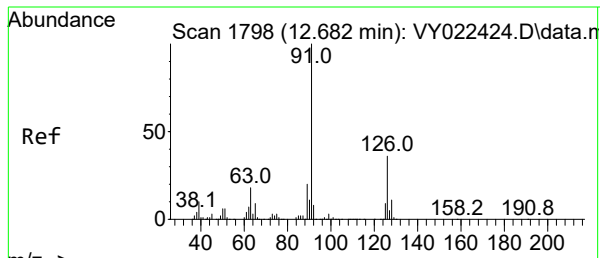
Tgt Ion:156 Resp: 151539  
Ion Ratio Lower Upper  
156 100  
77 185.5 91.4 274.2  
158 95.2 48.1 144.3



#78  
n-propylbenzene  
Concen: 50.973 ug/l  
RT: 12.597 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 91 Resp: 853326  
Ion Ratio Lower Upper  
91 100  
120 21.9 11.2 33.5

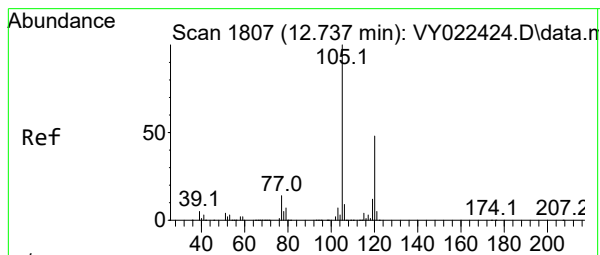
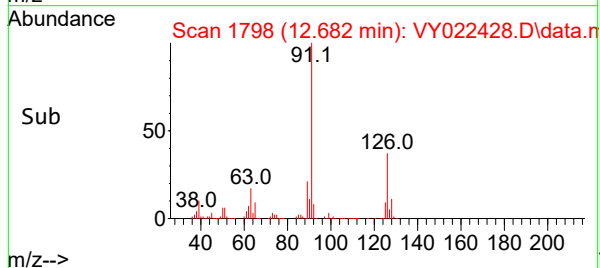
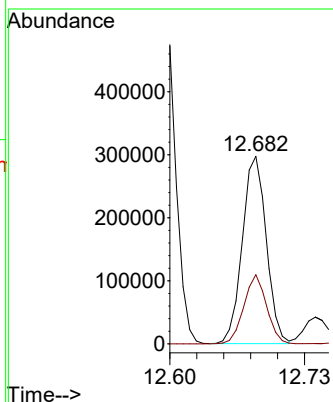
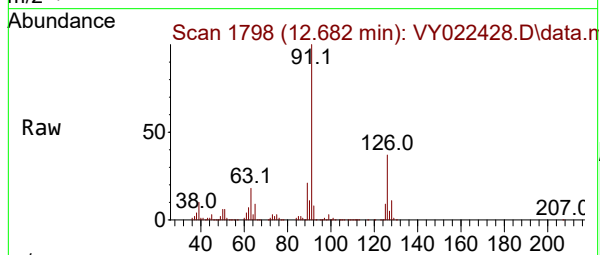




#79  
2-Chlorotoluene  
Concen: 50.314 ug/l  
RT: 12.682 min Scan# 1798  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

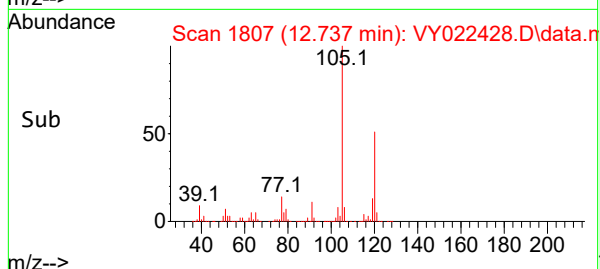
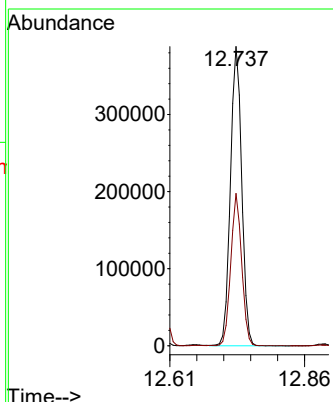
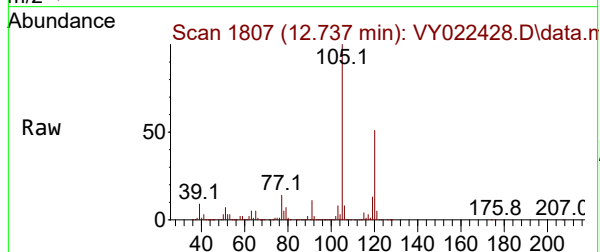
Instrument : MSVOA\_Y  
ClientSampleId :

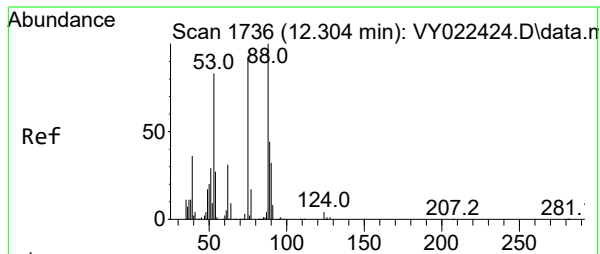
Tgt Ion: 91 Resp: 455944  
Ion Ratio Lower Upper  
91 100  
126 35.0 17.4 52.3



#80  
1,3,5-Trimethylbenzene  
Concen: 51.376 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 105 Resp: 559964  
Ion Ratio Lower Upper  
105 100  
120 49.2 24.3 73.0

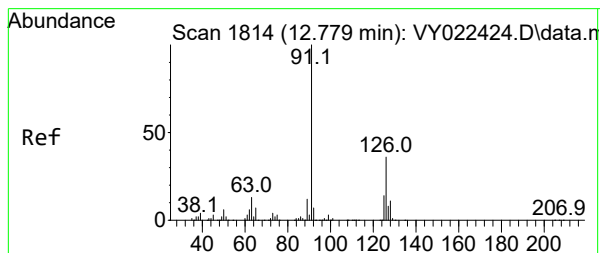
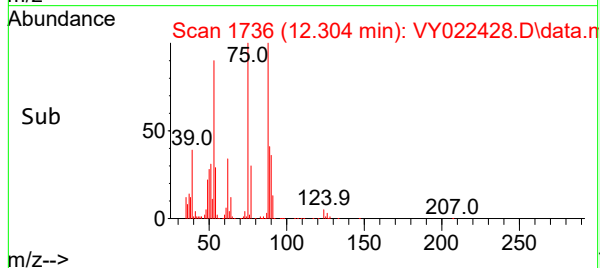
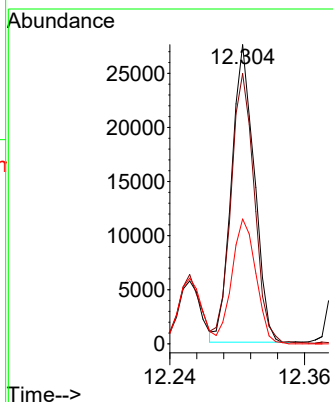
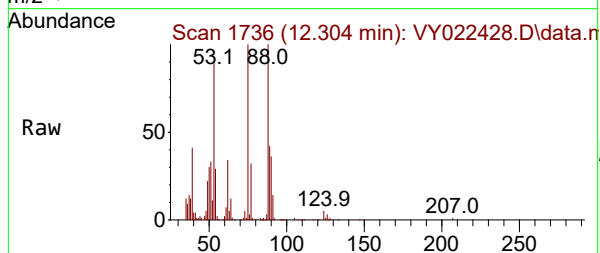




#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.064 ug/l  
RT: 12.304 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

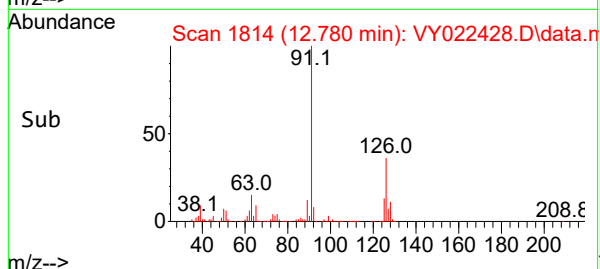
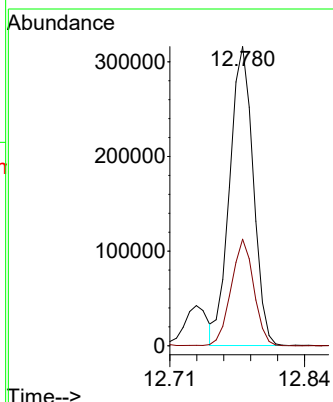
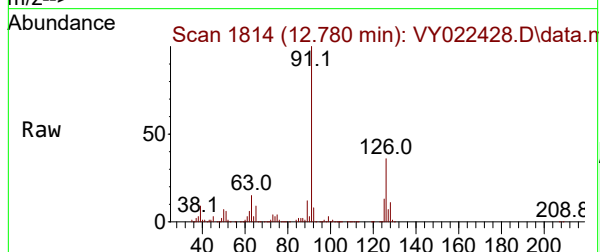
Instrument :  
MSVOA\_Y  
ClientSampleId :

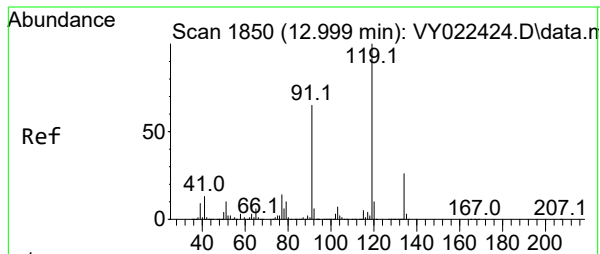
Tgt Ion: 75 Resp: 40088  
Ion Ratio Lower Upper  
75 100  
53 93.6 75.1 112.7  
89 44.0 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 50.944 ug/l  
RT: 12.780 min Scan# 1814  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 91 Resp: 475462  
Ion Ratio Lower Upper  
91 100  
126 34.4 17.2 51.6

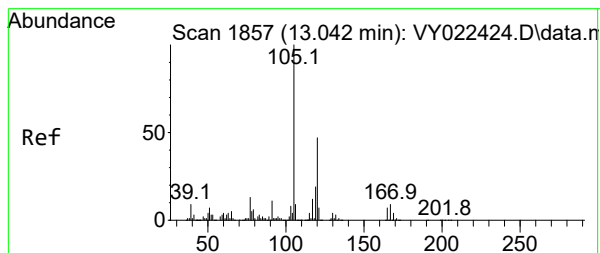
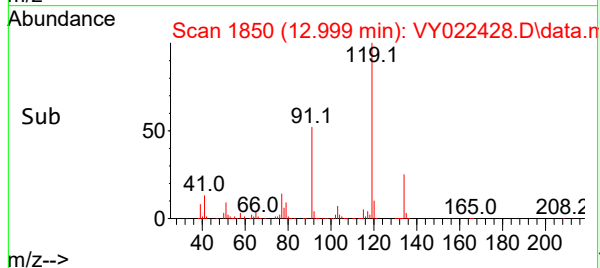
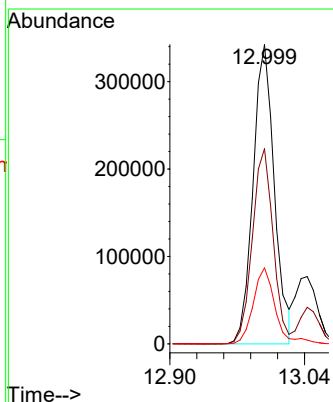
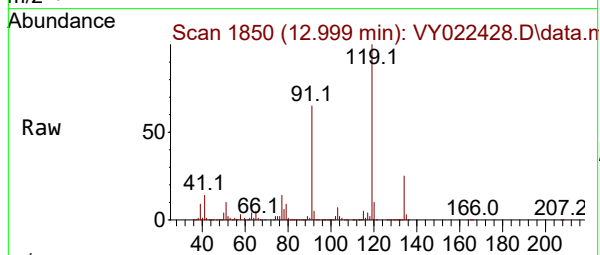




#83  
tert-Butylbenzene  
Concen: 51.321 ug/l  
RT: 12.999 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

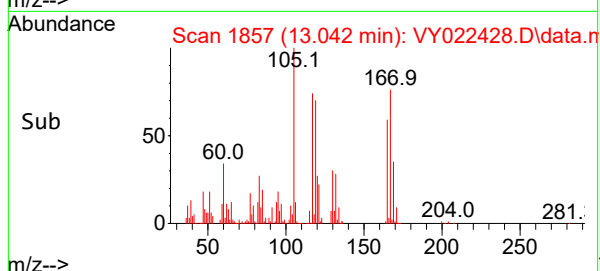
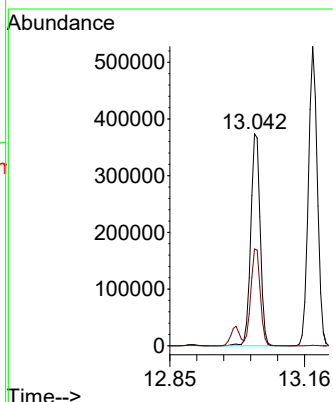
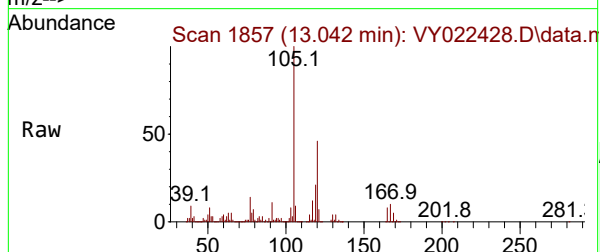
Instrument :  
MSVOA\_Y  
ClientSampleId :

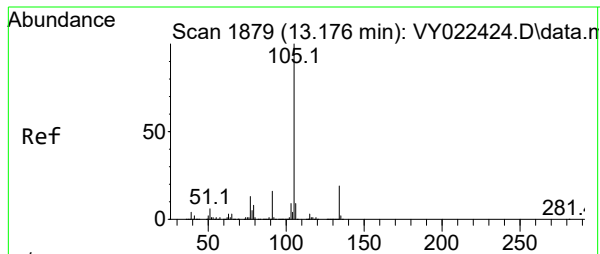
Tgt Ion:119 Resp: 505382  
Ion Ratio Lower Upper  
119 100  
91 63.7 31.8 95.3  
134 26.2 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 51.325 ug/l  
RT: 13.042 min Scan# 1857  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:105 Resp: 562945  
Ion Ratio Lower Upper  
105 100  
120 45.4 22.9 68.5

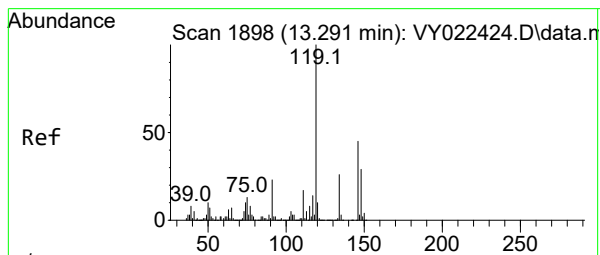
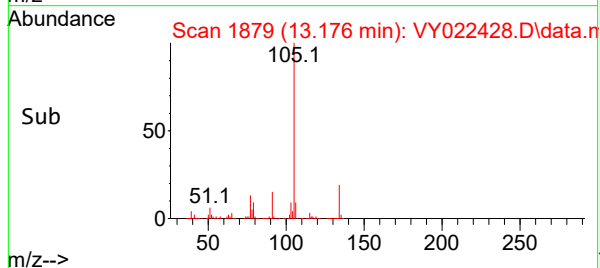
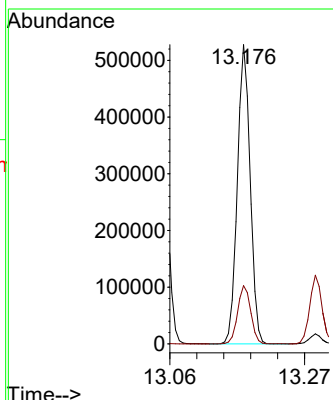
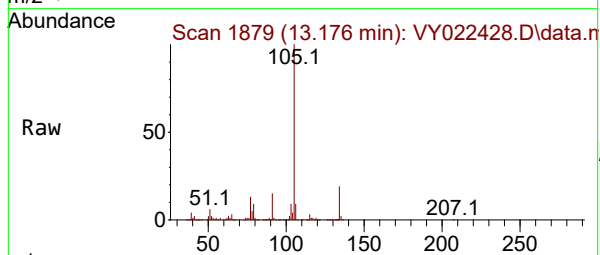




#85  
 sec-Butylbenzene  
 Concen: 51.763 ug/l  
 RT: 13.176 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

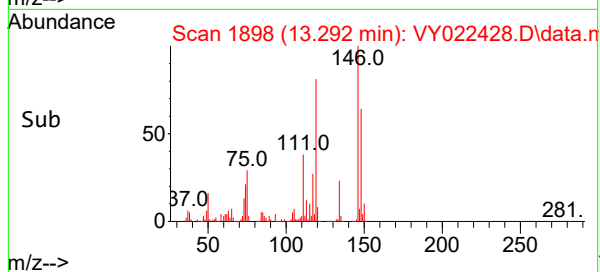
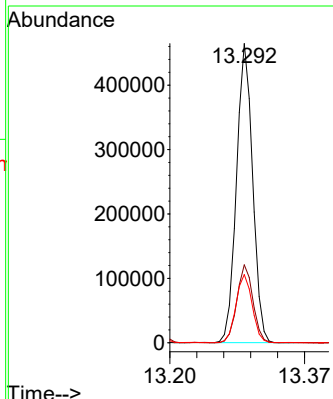
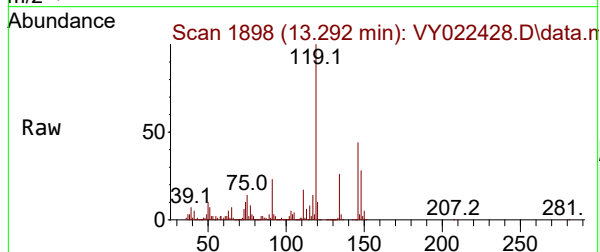
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

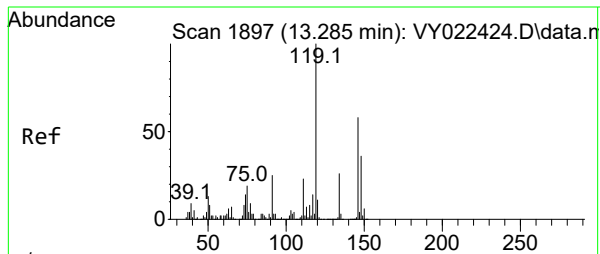
Tgt Ion:105 Resp: 755958  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 52.334 ug/l  
 RT: 13.292 min Scan# 1898  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Tgt Ion:119 Resp: 638231  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 13.0 39.0  
 91 22.9 11.6 34.8

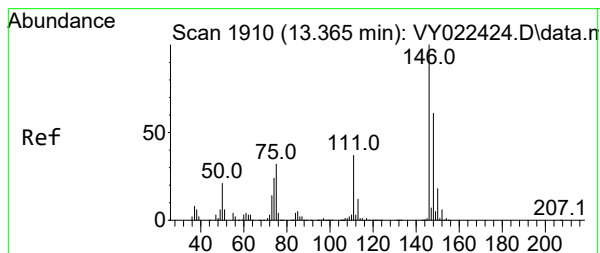
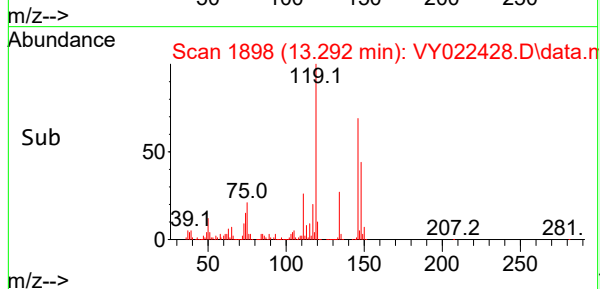
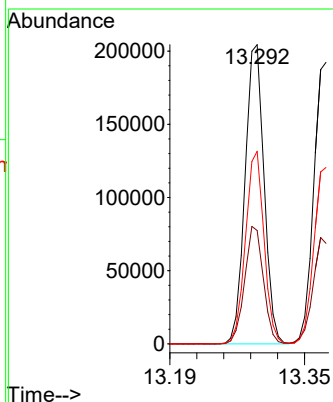
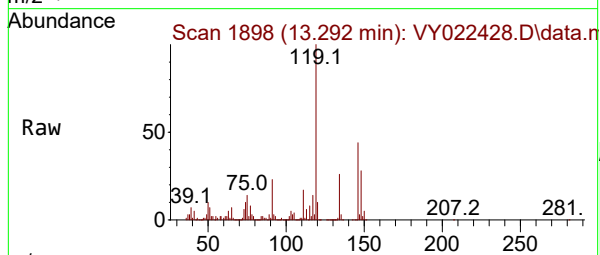




#87  
1,3-Dichlorobenzene  
Concen: 51.396 ug/l  
RT: 13.292 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

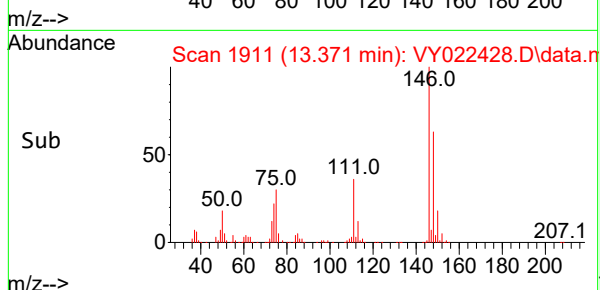
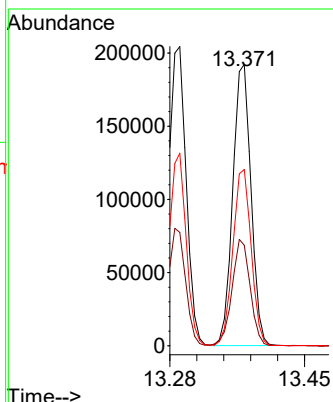
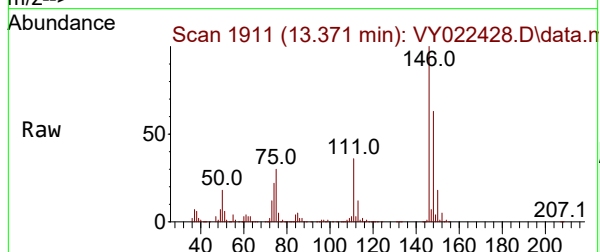
Instrument :  
MSVOA\_Y  
ClientSampleId :

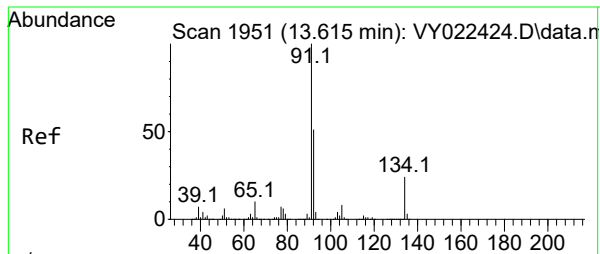
Tgt Ion:146 Resp: 310435  
Ion Ratio Lower Upper  
146 100  
111 38.7 19.6 58.8  
148 62.7 31.7 95.1



#88  
1,4-Dichlorobenzene  
Concen: 51.622 ug/l  
RT: 13.371 min Scan# 1911  
Delta R.T. 0.006 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:146 Resp: 298140  
Ion Ratio Lower Upper  
146 100  
111 37.6 18.7 56.1  
148 63.1 31.4 94.3

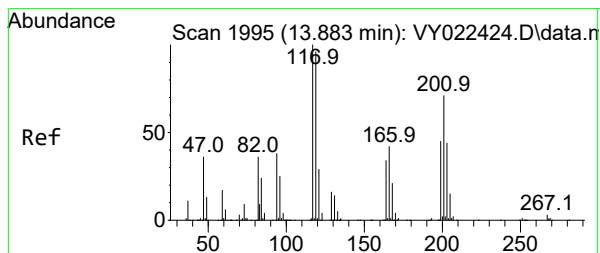
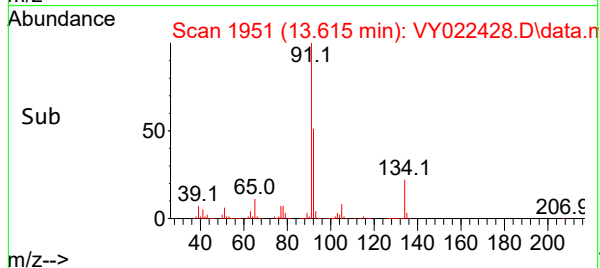
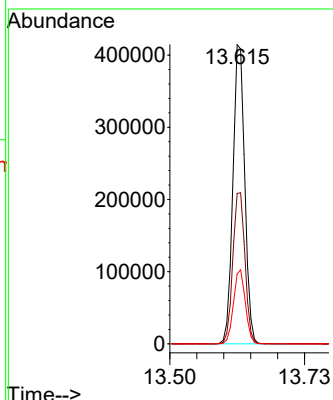
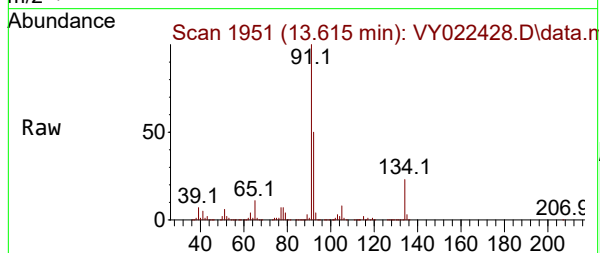




#89  
n-Butylbenzene  
Concen: 52.600 ug/l  
RT: 13.615 min Scan# 1951  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

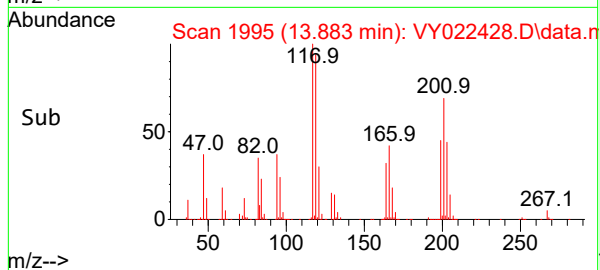
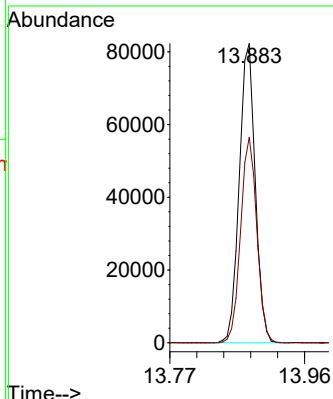
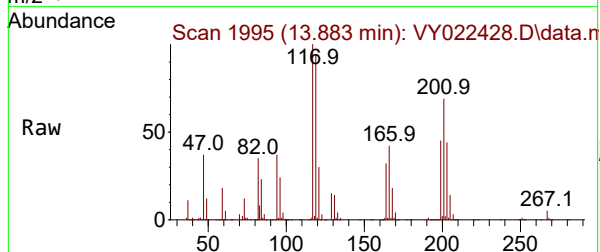
Instrument :  
MSVOA\_Y  
ClientSampleId :

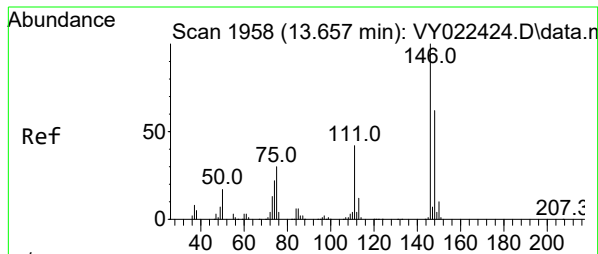
Tgt Ion: 91 Resp: 601455  
Ion Ratio Lower Upper  
91 100  
92 51.9 25.9 77.6  
134 24.7 12.4 37.0



#90  
Hexachloroethane  
Concen: 51.881 ug/l  
RT: 13.883 min Scan# 1995  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion: 117 Resp: 125908  
Ion Ratio Lower Upper  
117 100  
201 69.7 35.0 105.0



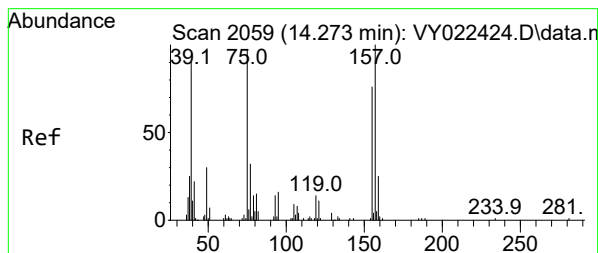
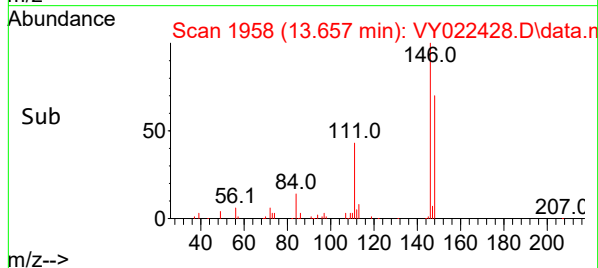
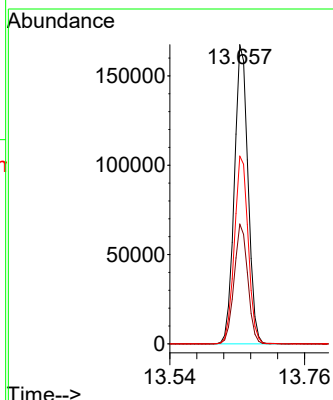
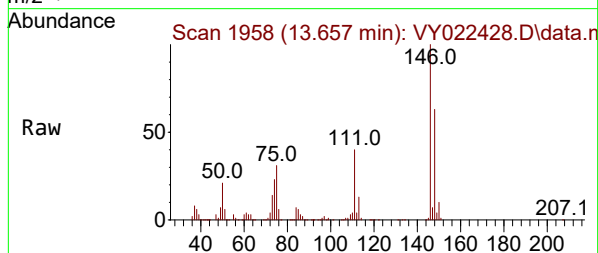


#91  
 1,2-Dichlorobenzene  
 Concen: 50.701 ug/l  
 RT: 13.657 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 146 Resp: 255789  

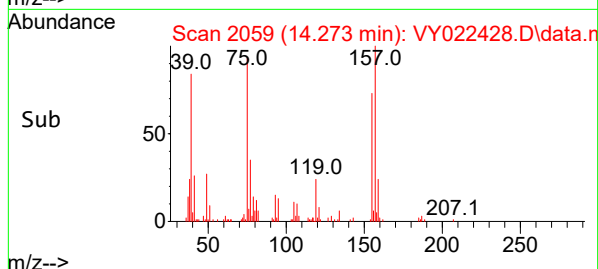
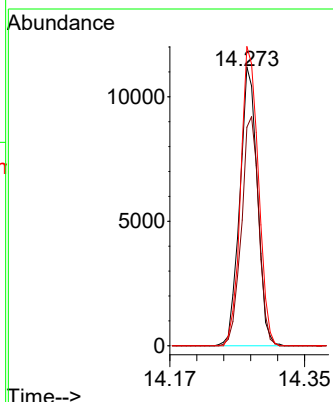
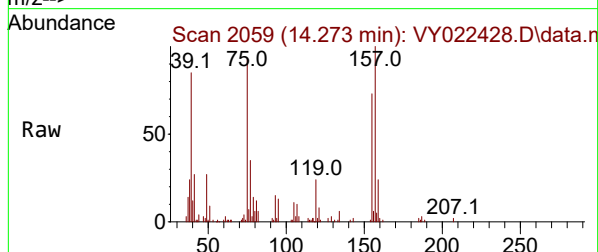
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 39.8  | 20.5  | 61.6  |
| 148 | 63.5  | 31.9  | 95.9  |

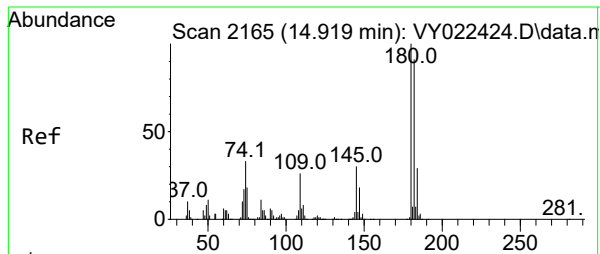


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 52.462 ug/l  
 RT: 14.273 min Scan# 2059  
 Delta R.T. 0.000 min  
 Lab File: VY022428.D  
 Acq: 27 May 2025 11:56

Tgt Ion: 75 Resp: 17817  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 81.1  | 42.3  | 126.8 |
| 157 | 108.0 | 54.4  | 163.3 |

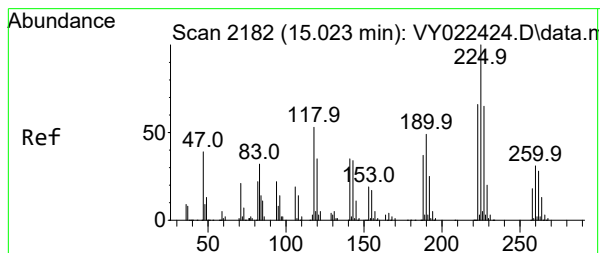
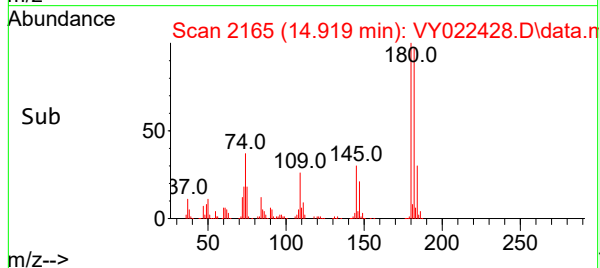
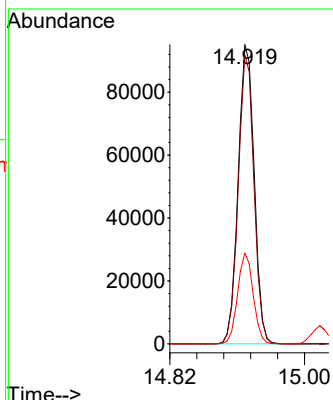
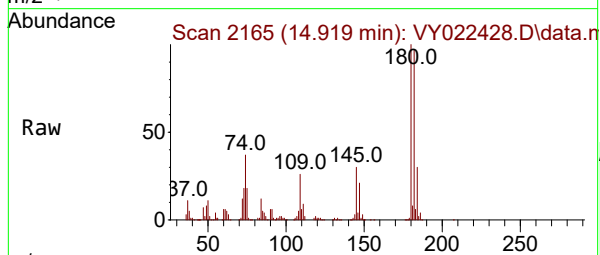




#93  
1,2,4-Trichlorobenzene  
Concen: 52.407 ug/l  
RT: 14.919 min Scan# 2165  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

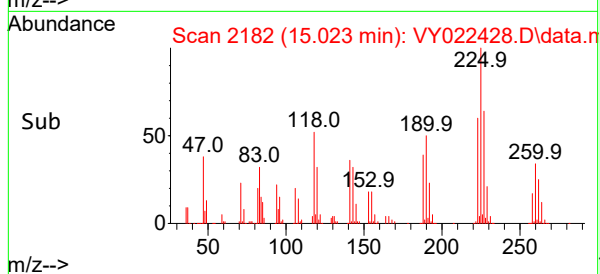
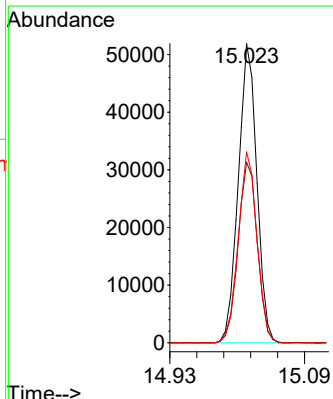
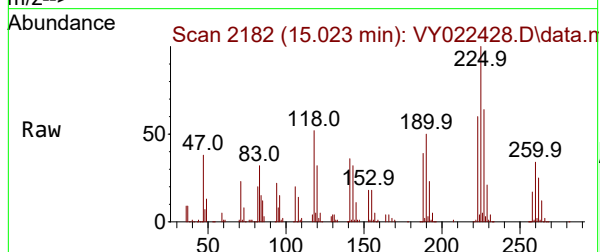
Instrument :  
MSVOA\_Y  
ClientSampleId :

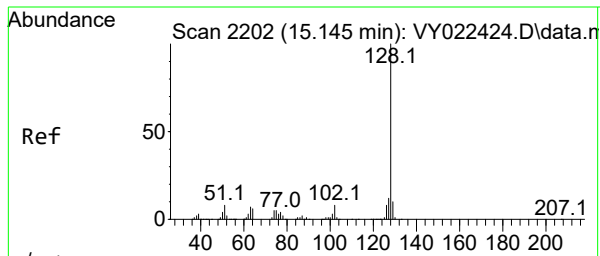
Tgt Ion:180 Resp: 146574  
Ion Ratio Lower Upper  
180 100  
182 94.6 46.2 138.6  
145 29.4 14.2 42.8



#94  
Hexachlorobutadiene  
Concen: 52.335 ug/l  
RT: 15.023 min Scan# 2182  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:225 Resp: 76816  
Ion Ratio Lower Upper  
225 100  
223 62.3 32.6 97.7  
227 64.5 33.0 99.0

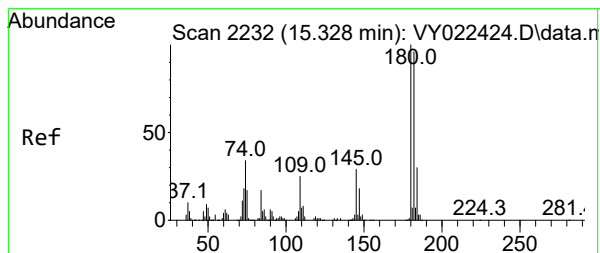
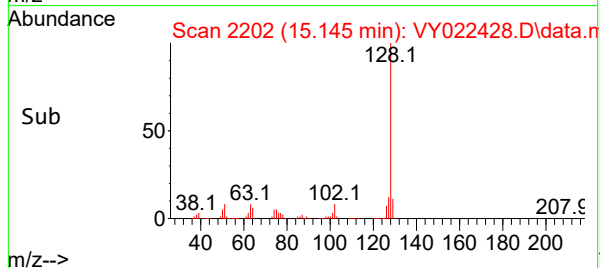
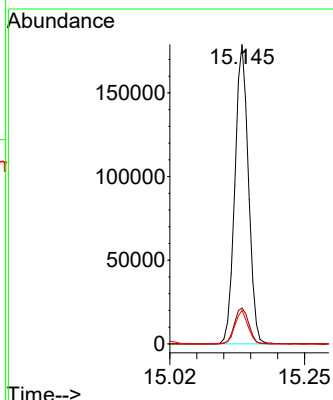
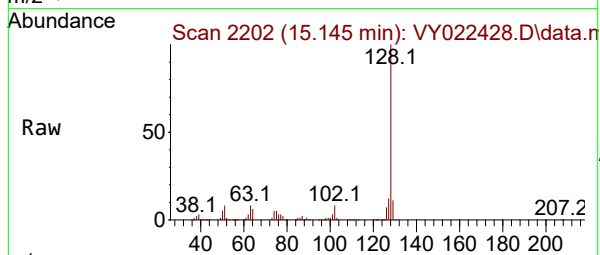




#95  
Naphthalene  
Concen: 54.826 ug/l  
RT: 15.145 min Scan# 2202  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:128 Resp: 283477  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.2 15.4  
129 10.8 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 53.900 ug/l  
RT: 15.328 min Scan# 2232  
Delta R.T. 0.000 min  
Lab File: VY022428.D  
Acq: 27 May 2025 11:56

Tgt Ion:180 Resp: 123635  
Ion Ratio Lower Upper  
180 100  
182 94.8 48.1 144.3  
145 31.8 14.9 44.5

