

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052725\  
 Data File : VY022425.D  
 Acq On : 27 May 2025 10:22  
 Operator : SY/MD  
 Sample : VSTDICC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC100

Quant Time: May 28 15:24:41 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      | 7.713  | 168  | 254497   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.622  | 114  | 420045   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 364148   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 175436   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 275425   | 102.746  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 205.500%# |      |
| 35) Dibromofluoromethane    | 7.640  | 113   | 259880   | 105.646  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 211.300%# |      |
| 50) Toluene-d8              | 10.109 | 98    | 1070243  | 106.726  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 213.460%# |      |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 321108   | 105.861  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 211.720%# |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 219107  | 90.239  | ug/l   | 99  |
| 3) Chloromethane             | 2.074 | 50  | 476625  | 79.803  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.208 | 62  | 657774  | 90.657  | ug/l   | 97  |
| 5) Bromomethane              | 2.592 | 94  | 617342  | 93.629  | ug/l   | 98  |
| 6) Chloroethane              | 2.739 | 64  | 461685  | 97.376  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.056 | 101 | 604374  | 98.726  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.458 | 74  | 144974  | 102.707 | ug/l   | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 266284  | 99.149  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.007 | 142 | 338872  | 111.841 | ug/l   | 100 |
| 11) Tert butyl alcohol       | 4.872 | 59  | 96979   | 513.251 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 264638  | 99.249  | ug/l   | 98  |
| 13) Acrolein                 | 3.659 | 56  | 149071  | 526.536 | ug/l   | 100 |
| 14) Allyl chloride           | 4.391 | 41  | 407614  | 101.625 | ug/l   | 98  |
| 15) Acrylonitrile            | 5.068 | 53  | 299369  | 526.172 | ug/l   | 99  |
| 16) Acetone                  | 3.879 | 43  | 219178  | 497.574 | ug/l # | 88  |
| 17) Carbon Disulfide         | 4.110 | 76  | 851273  | 100.043 | ug/l   | 100 |
| 18) Methyl Acetate           | 4.391 | 43  | 178729  | 108.317 | ug/l   | 100 |
| 19) Methyl tert-butyl Ether  | 5.122 | 73  | 735411  | 103.886 | ug/l   | 99  |
| 20) Methylene Chloride       | 4.623 | 84  | 279934  | 89.995  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 5.122 | 96  | 296339  | 101.801 | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.025 | 45  | 906611  | 102.415 | ug/l   | 99  |
| 23) Vinyl Acetate            | 5.964 | 43  | 2634055 | 518.224 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 5.921 | 63  | 540724  | 103.372 | ug/l   | 99  |
| 25) 2-Butanone               | 6.903 | 43  | 386768  | 527.215 | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 6.890 | 77  | 482308  | 101.829 | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.896 | 96  | 348023  | 103.273 | ug/l   | 99  |
| 28) Bromochloromethane       | 7.250 | 49  | 223498  | 102.322 | ug/l   | 99  |
| 29) Tetrahydrofuran          | 7.268 | 42  | 254076  | 519.309 | ug/l   | 99  |
| 30) Chloroform               | 7.427 | 83  | 535360  | 103.866 | ug/l   | 99  |
| 31) Cyclohexane              | 7.707 | 56  | 481828  | 93.445  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 7.622 | 97  | 484647  | 103.605 | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.841 | 75  | 405555  | 103.896 | ug/l   | 99  |
| 37) Ethyl Acetate            | 6.988 | 43  | 174471  | 105.171 | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.823 | 117 | 428817  | 105.456 | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.110 | 83  | 536153  | 103.329 | ug/l   | 98  |
| 40) Benzene                  | 8.085 | 78  | 1229435 | 105.848 | ug/l   | 100 |

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

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC100

Quant Time: May 28 15:24:41 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         | 7.226  | 41   | 107407   | 106.675  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.165  | 62   | 321758   | 104.887  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 385296   | 106.287  | ug/l   | 100      |
| 44) Trichloroethene           | 8.866  | 130  | 300293   | 104.583  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 286982   | 105.160  | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 160779   | 105.464  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.427  | 83   | 413821   | 105.558  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.225  | 41   | 181931   | 108.116  | ug/l   | 100      |
| 49) 1,4-Dioxane               | 9.231  | 88   | 36343    | 2158.331 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 995669   | 556.674  | ug/l   | 99       |
| 52) Toluene                   | 10.176 | 92   | 780350   | 107.563  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 396365   | 108.544  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 460876   | 107.411  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 204326   | 106.007  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.439 | 69   | 306772   | 110.908  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 359684   | 105.893  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 770988   | 559.284  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 660980   | 563.900  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.914 | 129  | 268919   | 109.221  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 187723   | 106.485  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.652 | 164  | 312696   | 100.828  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.444 | 112  | 824685   | 106.209  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 285811   | 108.640  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.524 | 91   | 1560112  | 108.210  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.633 | 106  | 1201541  | 219.811  | ug/l   | 99       |
| 69) o-Xylene                  | 11.957 | 106  | 559553   | 108.917  | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 959318   | 112.144  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 149684   | 108.623  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.255 | 105  | 1440314  | 104.314  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 368563   | 109.087  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 228832   | 105.191  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 322024   | 183.252  | ug/l # | 100      |
| 77) Bromobenzene              | 12.536 | 156  | 305847   | 102.933  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.597 | 91   | 1737515  | 104.859  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 934717   | 104.209  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 1143145  | 105.961  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 80556    | 103.668  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 972892   | 105.314  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 1023704  | 105.025  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 1159943  | 106.843  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 1528524  | 105.741  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 1320591  | 109.402  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 644184   | 107.749  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 599095   | 104.800  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 1207976  | 106.731  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.883 | 117  | 251685   | 104.776  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 524498   | 105.034  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 32714    | 97.318   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 295471   | 106.731  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 153056   | 105.350  | ug/l   | 98       |
| 95) Naphthalene               | 15.145 | 128  | 568187   | 111.021  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 246652   | 108.638  | ug/l   | 98       |

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

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Quant Time: May 28 15:24:41 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

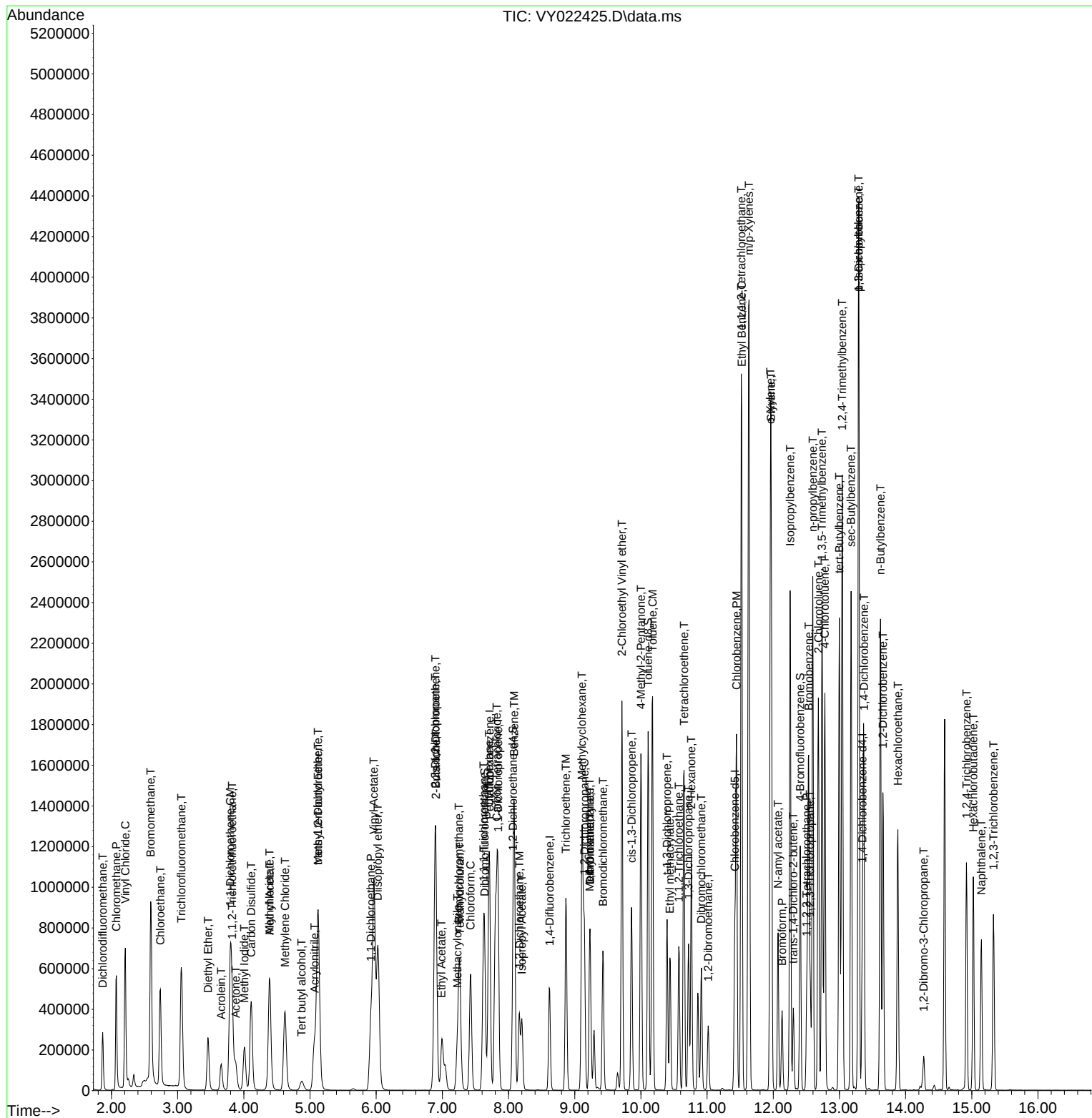
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

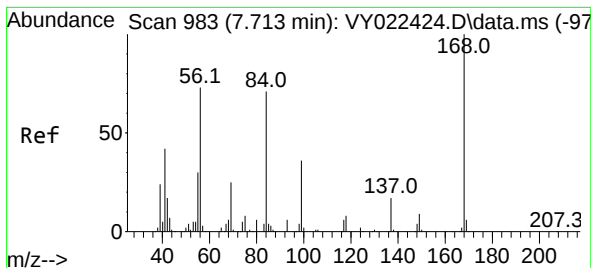
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Sample : VSTDICC100  
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 MSVOA\_Y  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

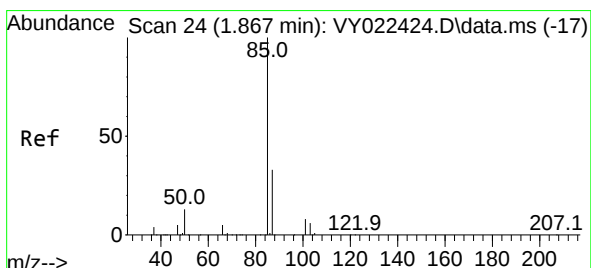
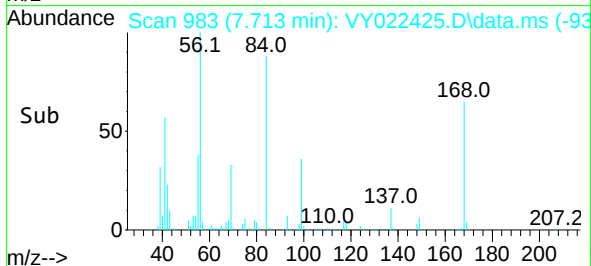
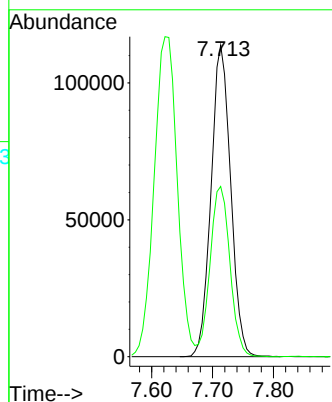
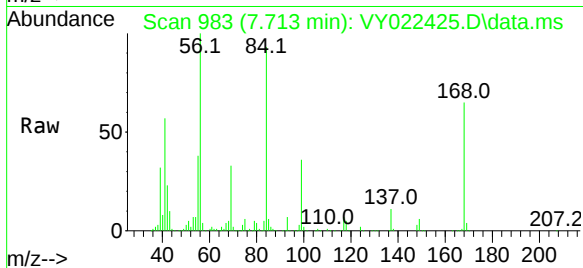
VSTDICC100

Tgt Ion:168 Resp: 254497

Ion Ratio Lower Upper

168 100

99 54.7 44.7 67.1



#2

Dichlorodifluoromethane

Concen: 90.239 ug/l

RT: 1.867 min Scan# 24

Delta R.T. 0.000 min

Lab File: VY022425.D

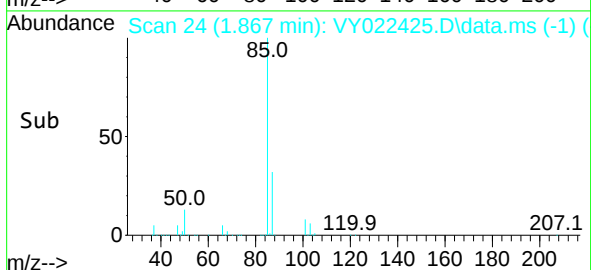
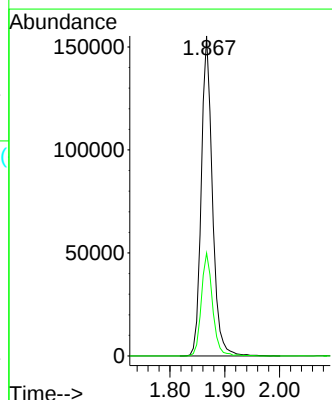
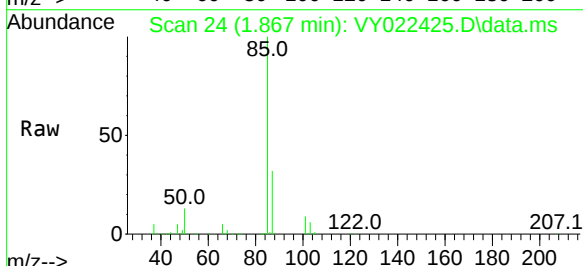
Acq: 27 May 2025 10:22

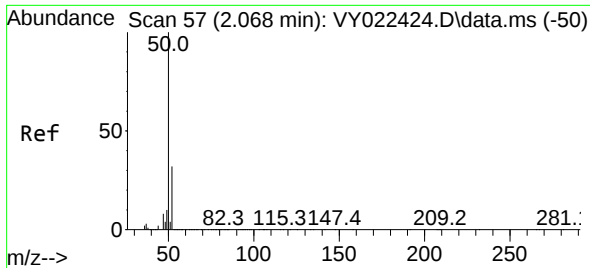
Tgt Ion: 85 Resp: 219107

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.2

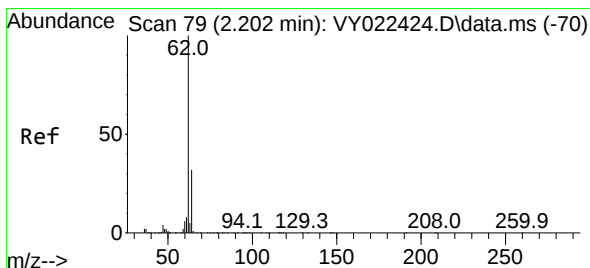
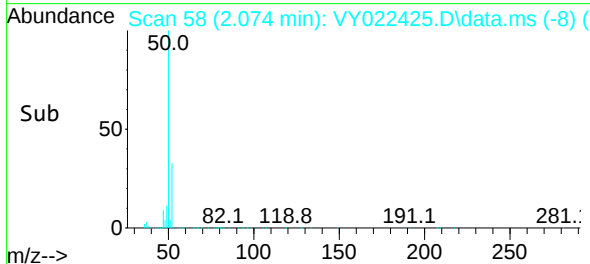
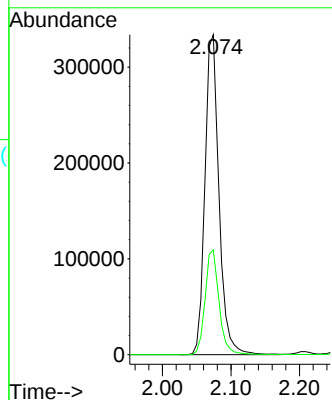
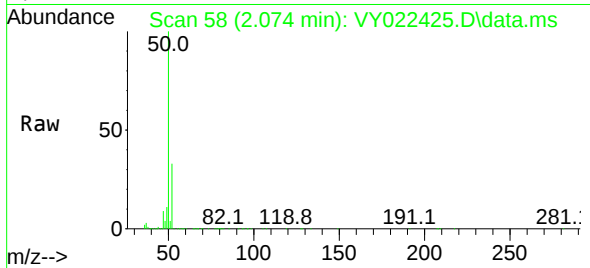




#3  
Chloromethane  
Concen: 79.803 ug/l  
RT: 2.074 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

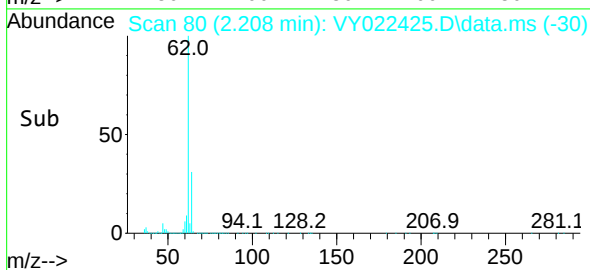
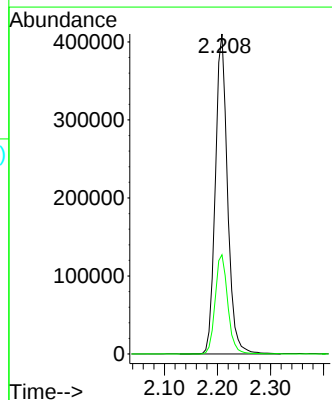
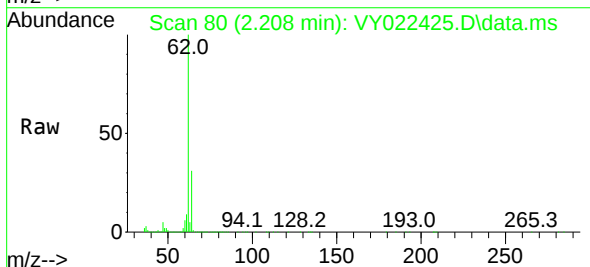
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

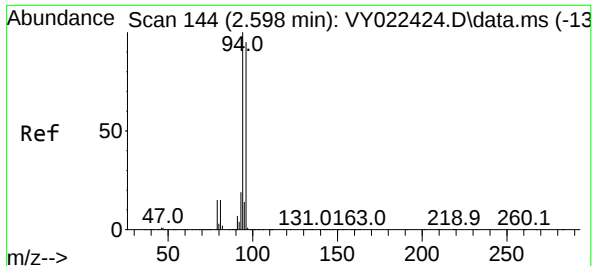
Tgt Ion: 50 Resp: 476625  
Ion Ratio Lower Upper  
50 100  
52 32.7 25.5 38.3



#4  
Vinyl Chloride  
Concen: 90.657 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 62 Resp: 657774  
Ion Ratio Lower Upper  
62 100  
64 31.0 26.0 39.0

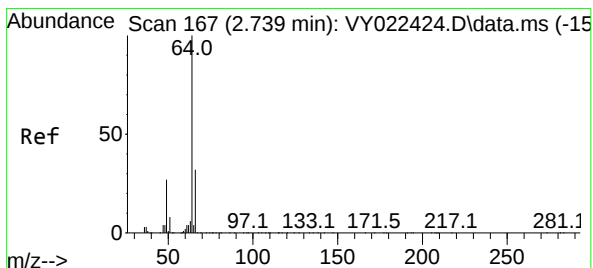
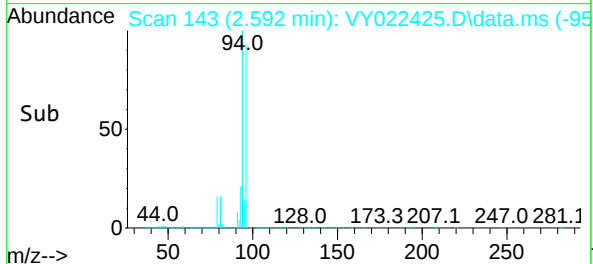
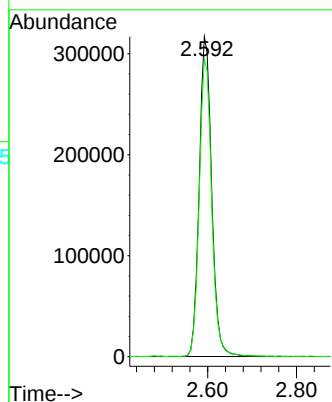
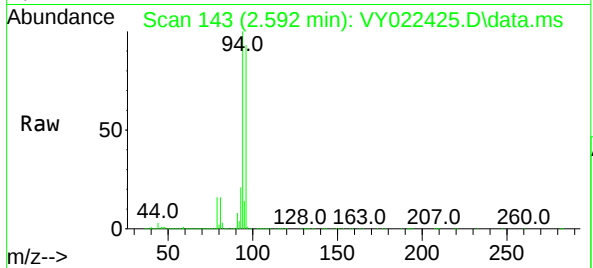




#5  
Bromomethane  
Concen: 93.629 ug/l  
RT: 2.592 min Scan# 144  
Delta R.T. -0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

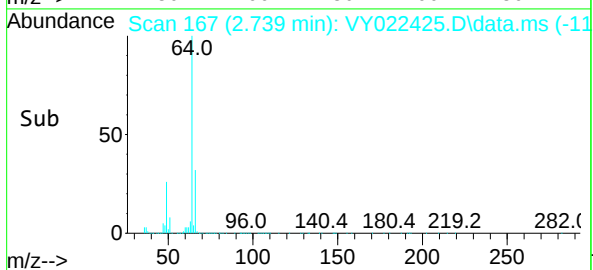
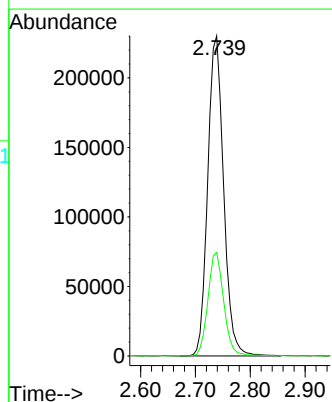
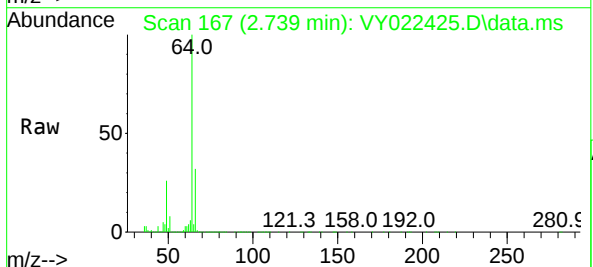
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

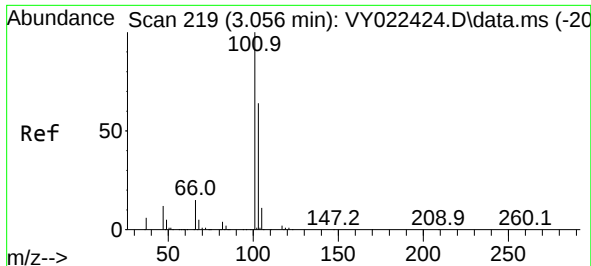
Tgt Ion: 94 Resp: 617342  
Ion Ratio Lower Upper  
94 100  
96 93.0 76.0 114.0



#6  
Chloroethane  
Concen: 97.376 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 64 Resp: 461685  
Ion Ratio Lower Upper  
64 100  
66 32.3 25.9 38.9

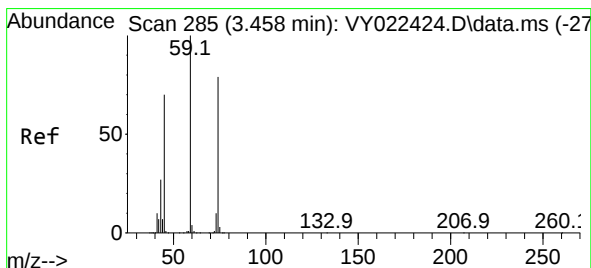
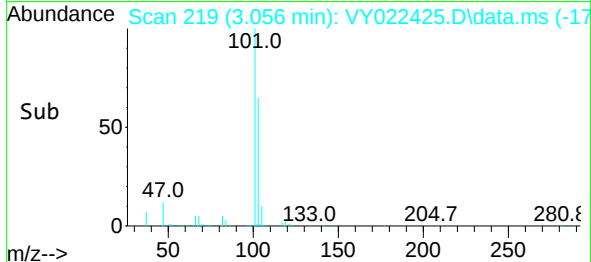
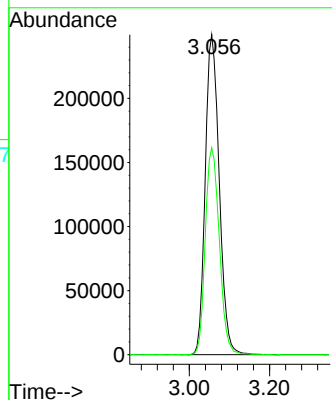
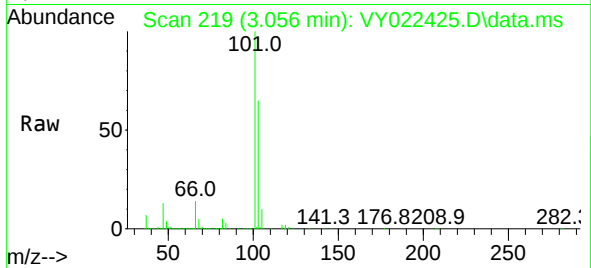




#7  
 Trichlorofluoromethane  
 Concen: 98.726 ug/l  
 RT: 3.056 min Scan# 219  
 Delta R.T. 0.000 min  
 Lab File: VY022425.D  
 Acq: 27 May 2025 10:22

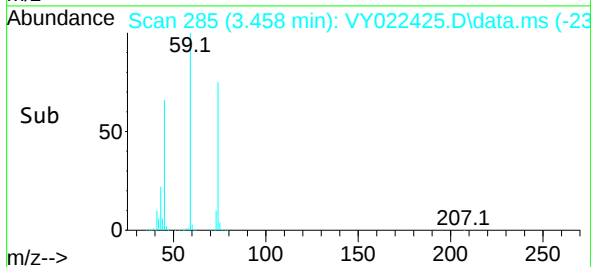
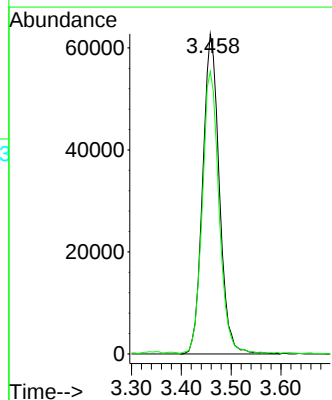
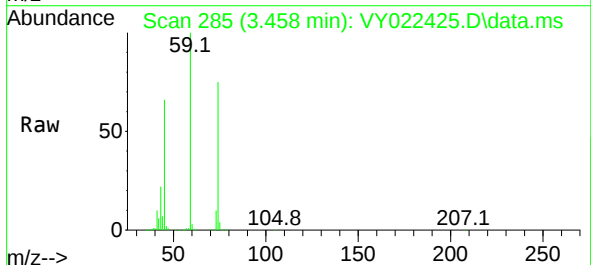
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

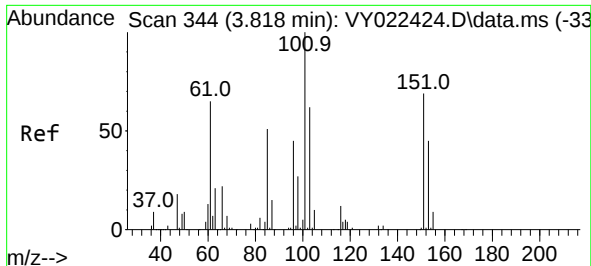
Tgt Ion:101 Resp: 604374  
 Ion Ratio Lower Upper  
 101 100  
 103 64.6 50.9 76.3



#8  
 Diethyl Ether  
 Concen: 102.707 ug/l  
 RT: 3.458 min Scan# 285  
 Delta R.T. 0.000 min  
 Lab File: VY022425.D  
 Acq: 27 May 2025 10:22

Tgt Ion: 74 Resp: 144974  
 Ion Ratio Lower Upper  
 74 100  
 45 88.4 44.9 134.5

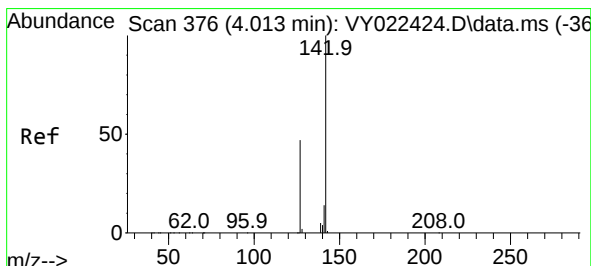
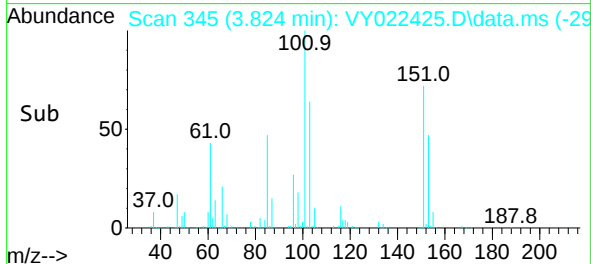
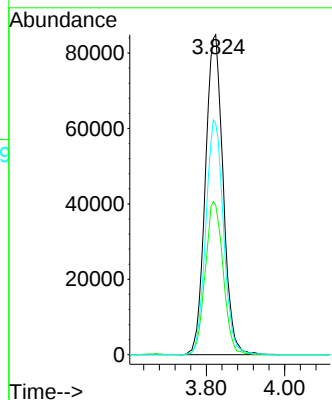
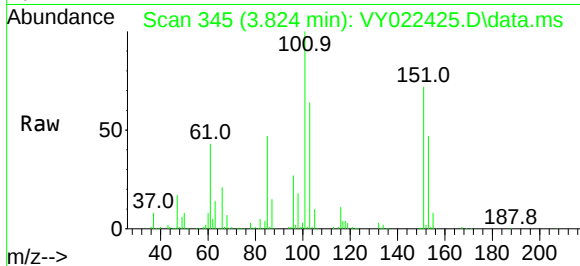




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 99.149 ug/l  
RT: 3.824 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

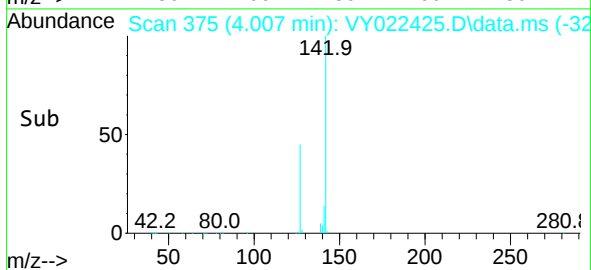
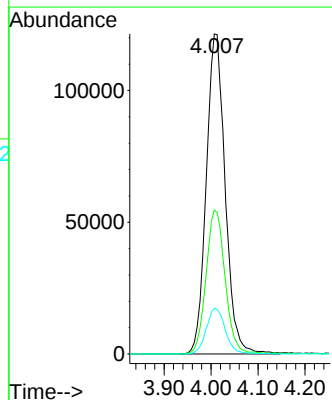
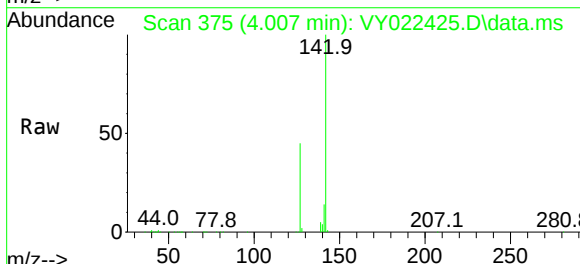
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

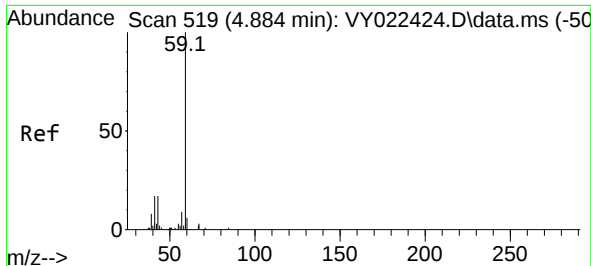
Tgt Ion:101 Resp: 266284  
Ion Ratio Lower Upper  
101 100  
85 48.1 39.2 58.8  
151 72.8 58.8 88.2



#10  
Methyl Iodide  
Concen: 111.841 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. -0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion:142 Resp: 338872  
Ion Ratio Lower Upper  
142 100  
127 45.3 36.2 54.4  
141 14.4 11.6 17.4

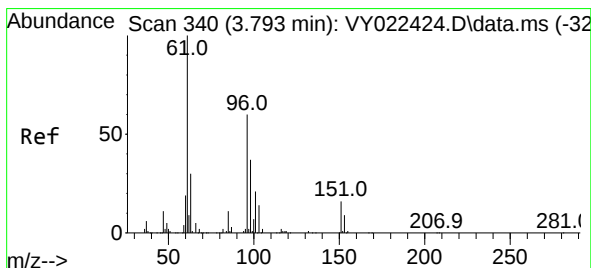
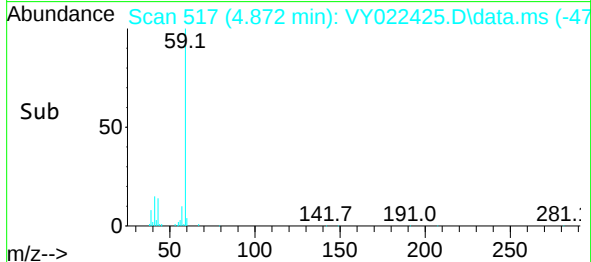
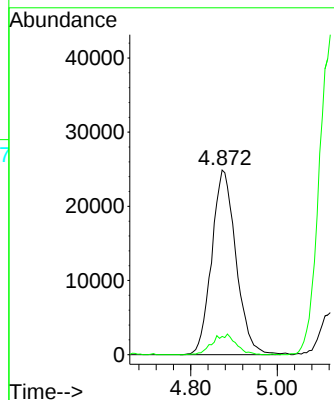
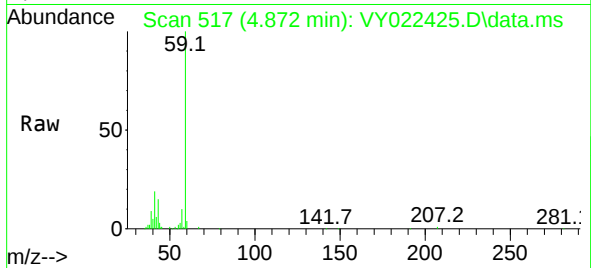




#11  
Tert butyl alcohol  
Concen: 513.251 ug/l  
RT: 4.872 min Scan# 519  
Delta R.T. -0.012 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

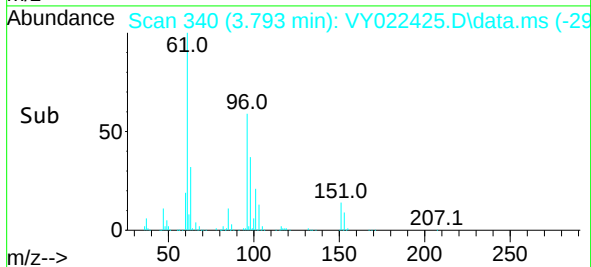
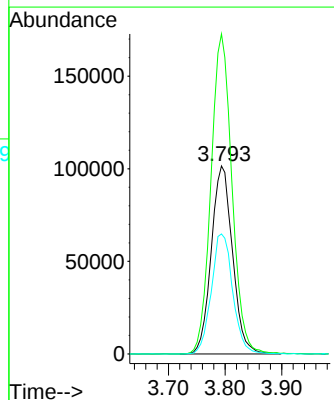
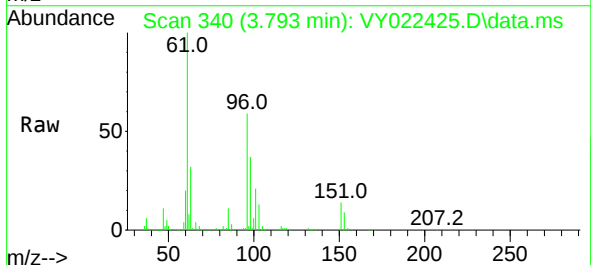
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

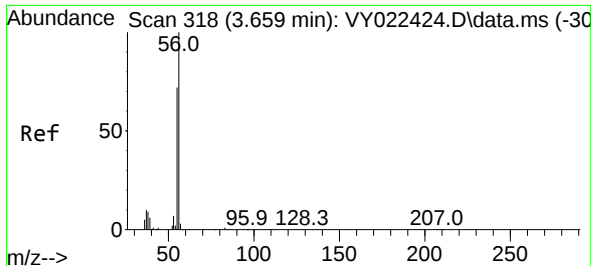
Tgt Ion: 59 Resp: 96979  
Ion Ratio Lower Upper  
59 100  
57 10.8 9.1 13.7



#12  
1,1-Dichloroethene  
Concen: 99.249 ug/l  
RT: 3.793 min Scan# 340  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 96 Resp: 264638  
Ion Ratio Lower Upper  
96 100  
61 170.1 134.1 201.1  
98 63.8 50.2 75.2

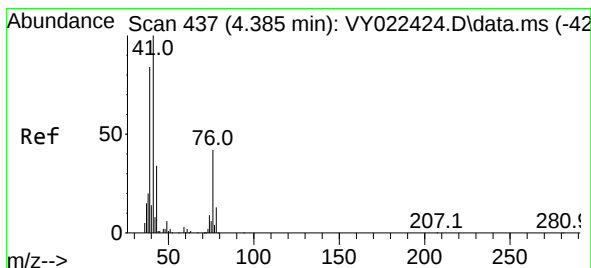
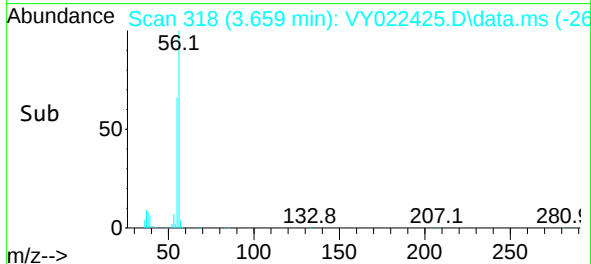
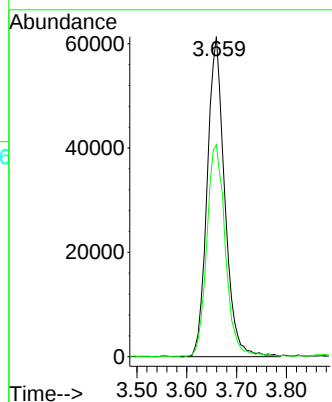
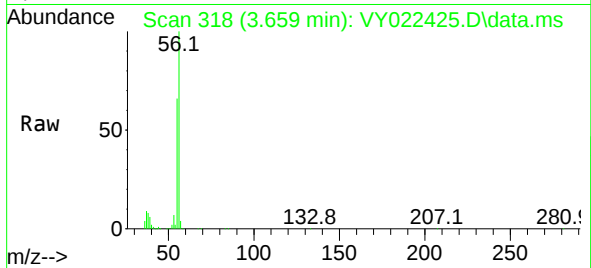




#13  
Acrolein  
Concen: 526.536 ug/l  
RT: 3.659 min Scan# 318  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

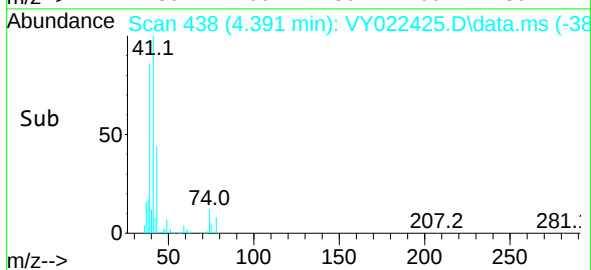
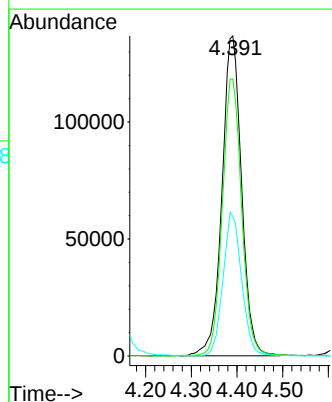
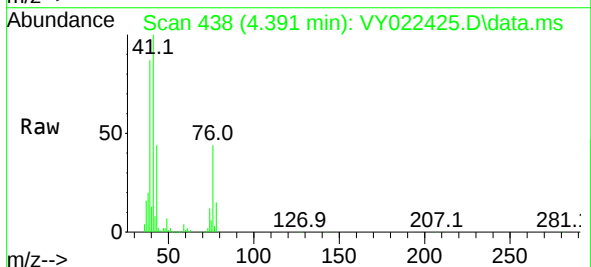
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

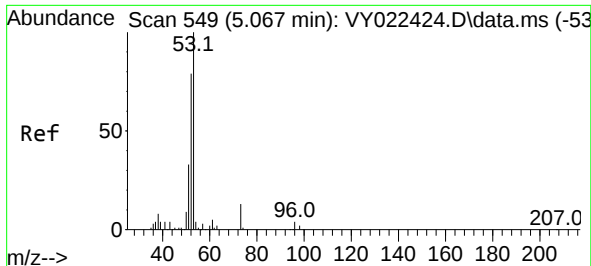
Tgt Ion: 56 Resp: 149071  
Ion Ratio Lower Upper  
56 100  
55 70.3 56.5 84.7



#14  
Allyl chloride  
Concen: 101.625 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

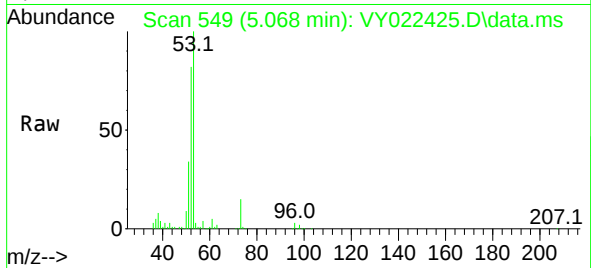
Tgt Ion: 41 Resp: 407614  
Ion Ratio Lower Upper  
41 100  
39 85.1 66.6 100.0  
76 42.4 33.7 50.5



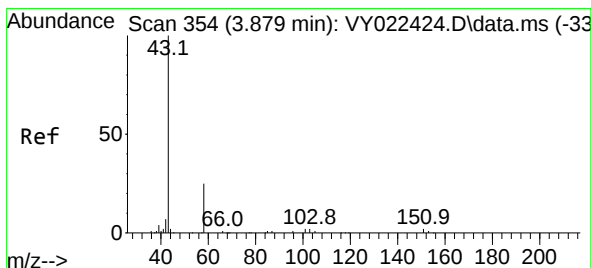
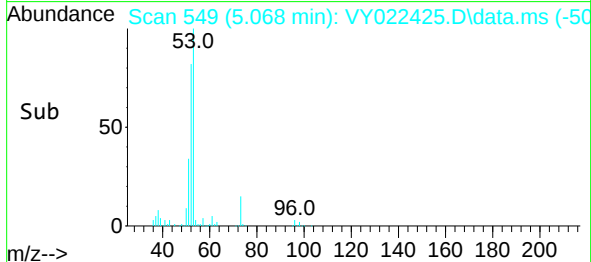
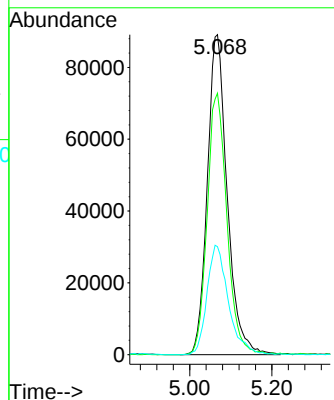


#15  
Acrylonitrile  
Concen: 526.172 ug/l  
RT: 5.068 min Scan# 549  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

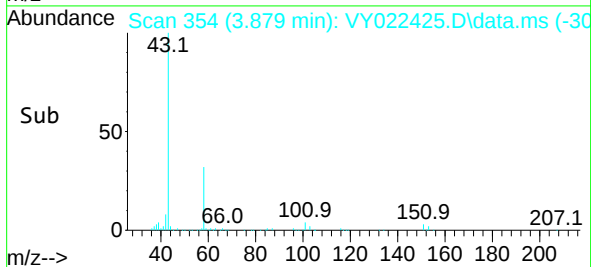
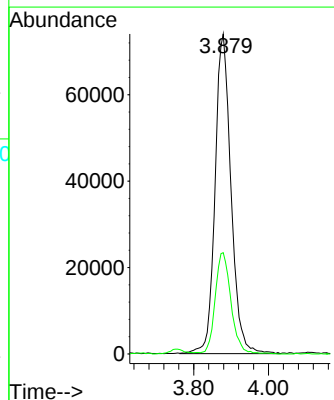
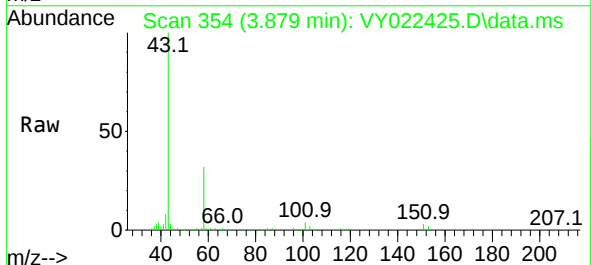


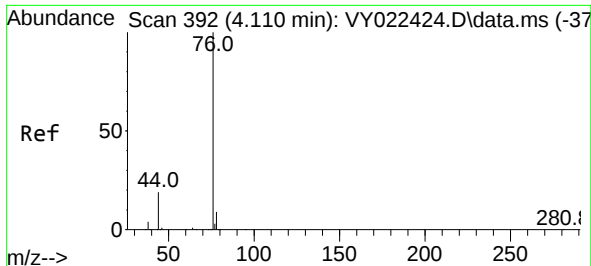
Tgt Ion: 53 Resp: 299369  
Ion Ratio Lower Upper  
53 100  
52 81.1 65.1 97.7  
51 36.9 30.0 45.0



#16  
Acetone  
Concen: 497.574 ug/l  
RT: 3.879 min Scan# 354  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 219178  
Ion Ratio Lower Upper  
43 100  
58 31.7 20.6 30.8#

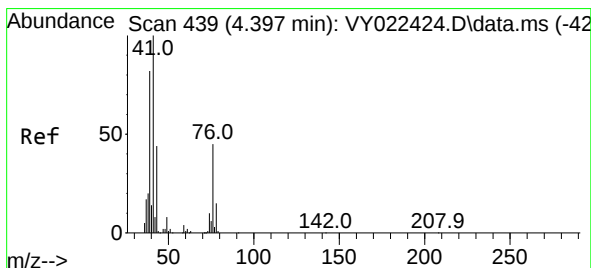
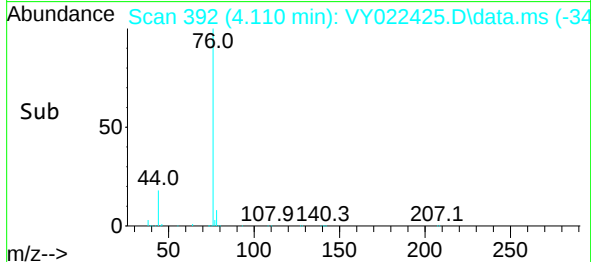
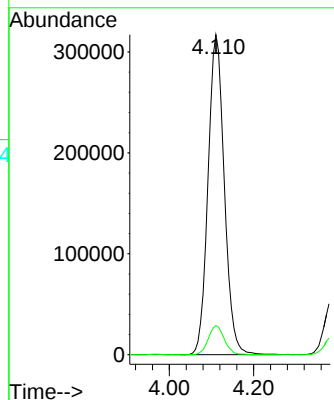
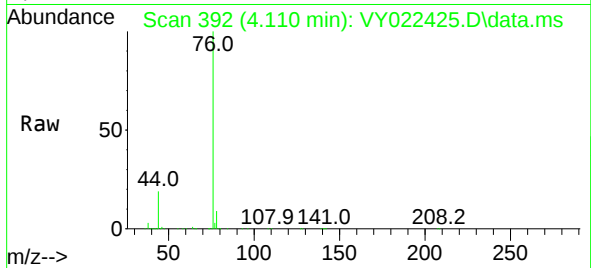




#17  
Carbon Disulfide  
Concen: 100.043 ug/l  
RT: 4.110 min Scan# 392  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

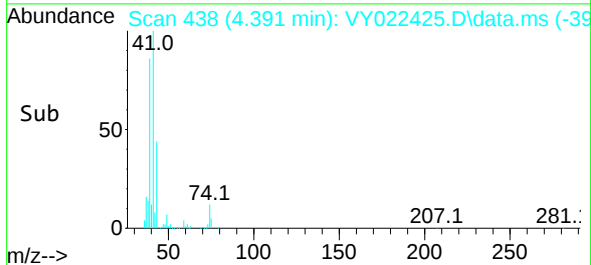
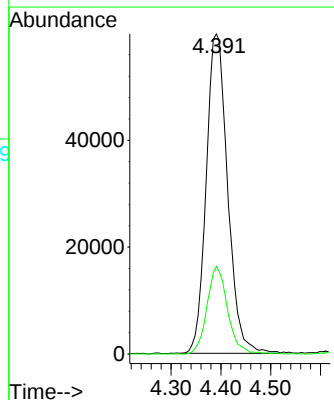
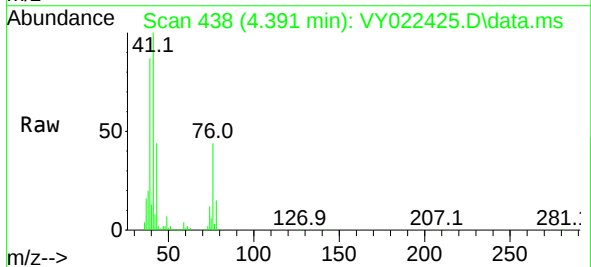
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

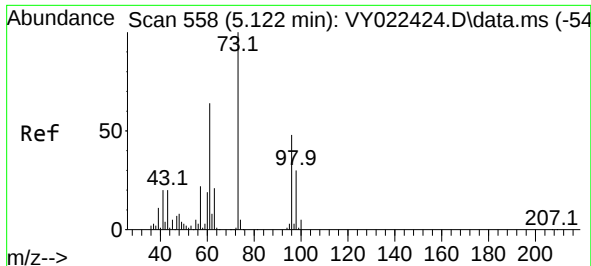
Tgt Ion: 76 Resp: 851273  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.2 10.8



#18  
Methyl Acetate  
Concen: 108.317 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. -0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 178729  
Ion Ratio Lower Upper  
43 100  
74 26.3 21.2 31.8

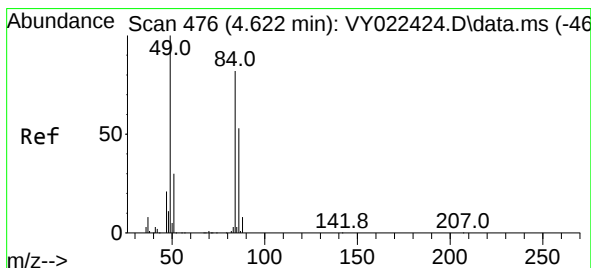
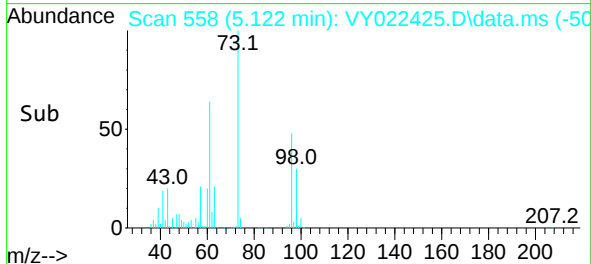
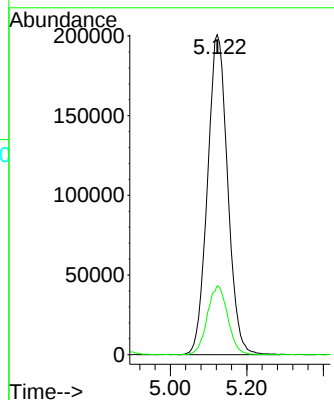
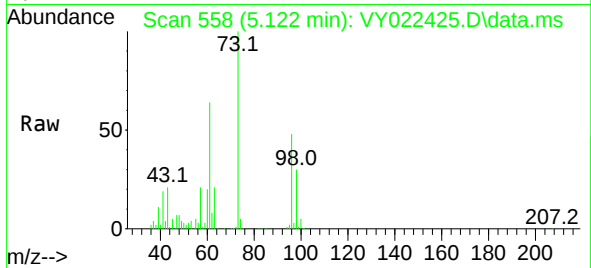




#19  
Methyl tert-butyl Ether  
Concen: 103.886 ug/l  
RT: 5.122 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

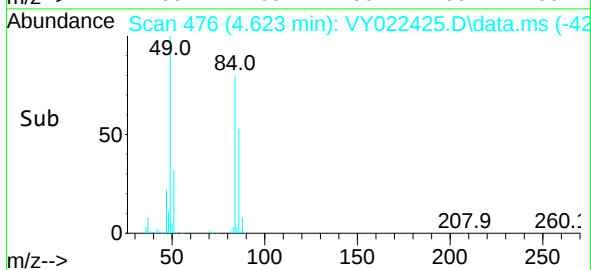
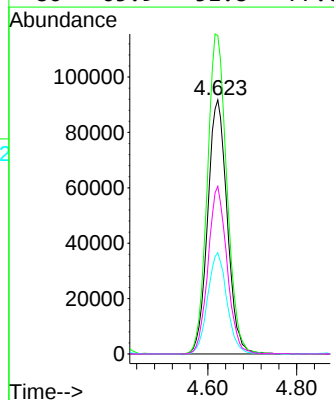
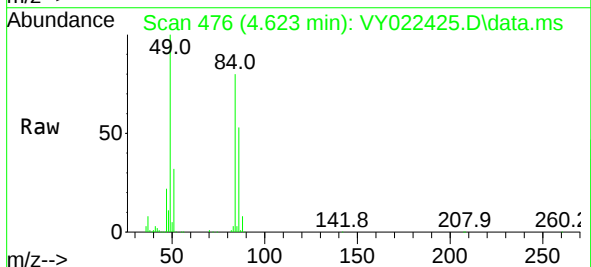
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

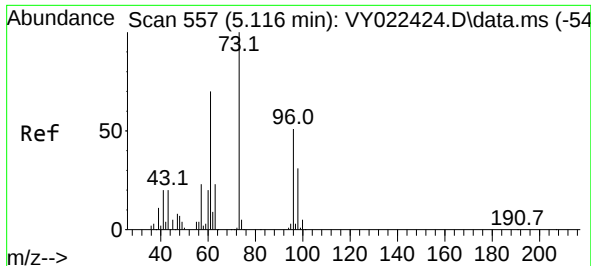
Tgt Ion: 73 Resp: 735411  
Ion Ratio Lower Upper  
73 100  
57 21.5 17.7 26.5



#20  
Methylene Chloride  
Concen: 89.995 ug/l  
RT: 4.623 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 84 Resp: 279934  
Ion Ratio Lower Upper  
84 100  
49 125.3 97.8 146.8  
51 39.9 29.5 44.3  
86 65.9 51.8 77.6

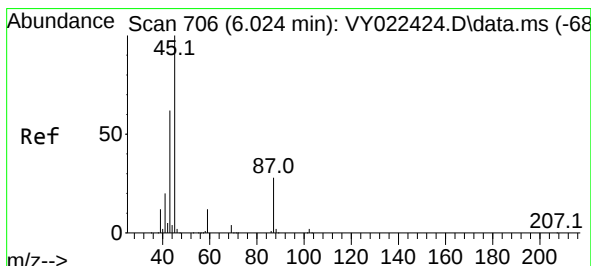
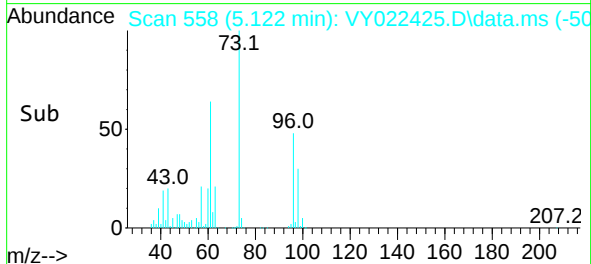
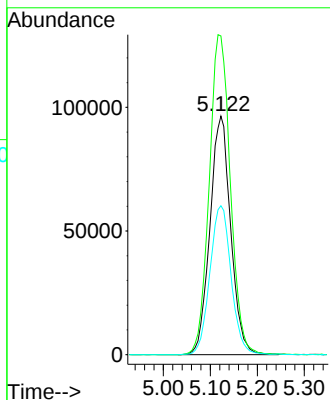
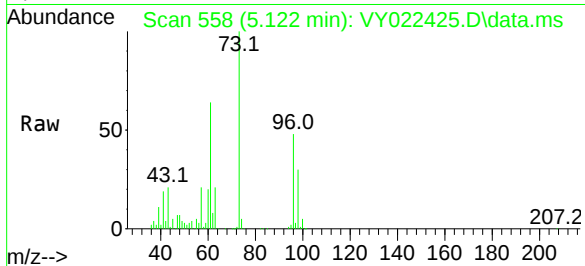




#21  
trans-1,2-Dichloroethene  
Concen: 101.801 ug/l  
RT: 5.122 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

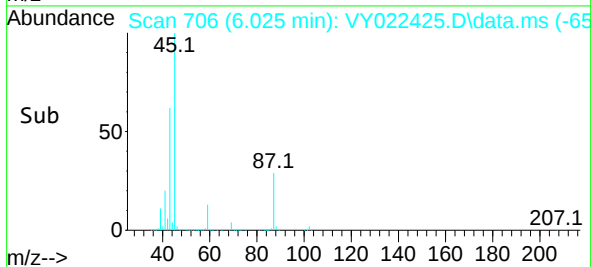
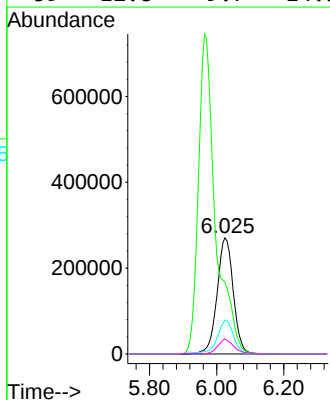
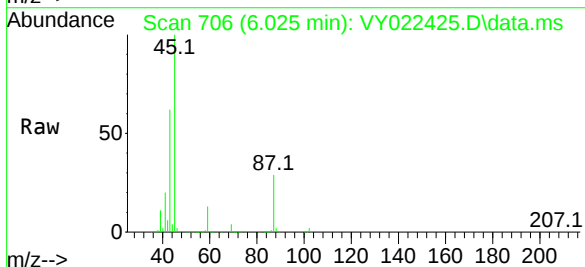
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

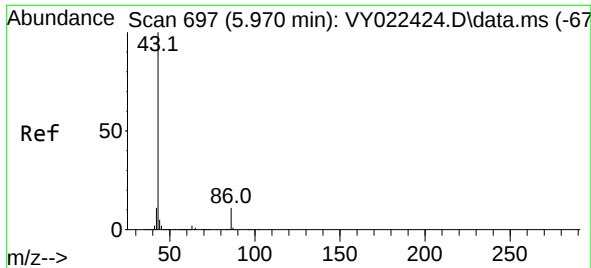
Tgt Ion: 96 Resp: 296339  
Ion Ratio Lower Upper  
96 100  
61 133.6 110.4 165.6  
98 62.4 48.6 73.0



#22  
Diisopropyl ether  
Concen: 102.415 ug/l  
RT: 6.025 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 45 Resp: 906611  
Ion Ratio Lower Upper  
45 100  
43 61.7 49.8 74.8  
87 29.2 23.0 34.6  
59 12.8 9.7 14.5

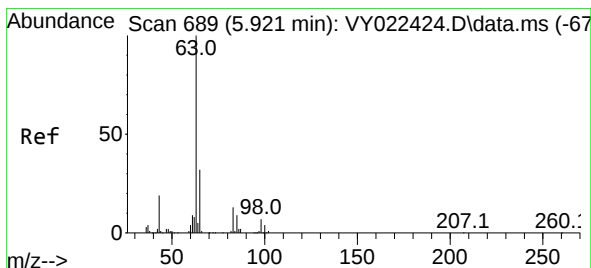
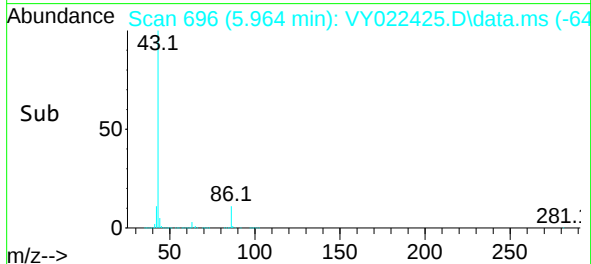
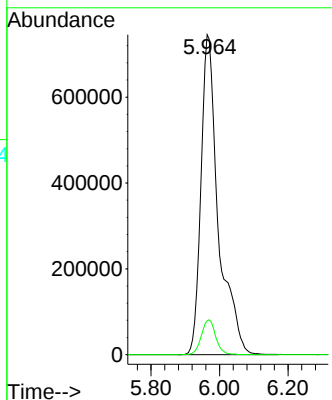
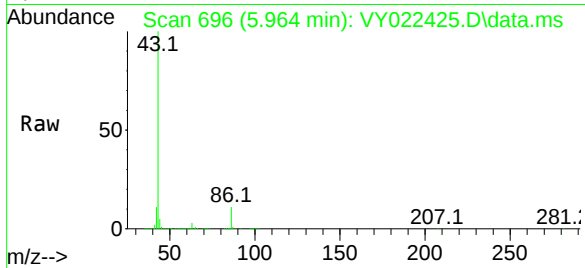




#23  
 Vinyl Acetate  
 Concen: 518.224 ug/l  
 RT: 5.964 min Scan# 697  
 Delta R.T. -0.006 min  
 Lab File: VY022425.D  
 Acq: 27 May 2025 10:22

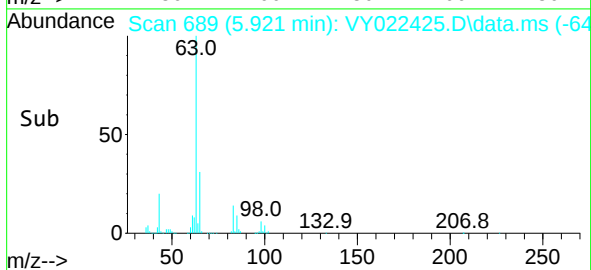
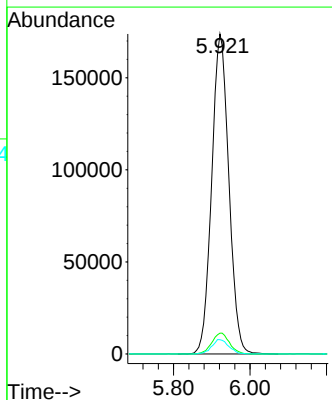
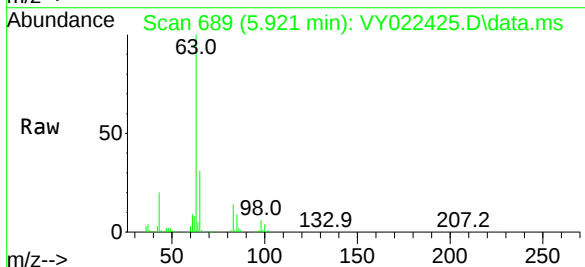
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

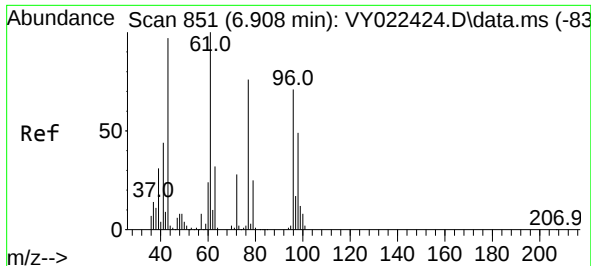
Tgt Ion: 43 Resp: 2634055  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 8.8 13.2



#24  
 1,1-Dichloroethane  
 Concen: 103.372 ug/l  
 RT: 5.921 min Scan# 689  
 Delta R.T. 0.000 min  
 Lab File: VY022425.D  
 Acq: 27 May 2025 10:22

Tgt Ion: 63 Resp: 540724  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 3.5 10.5  
 100 4.5 2.1 6.5

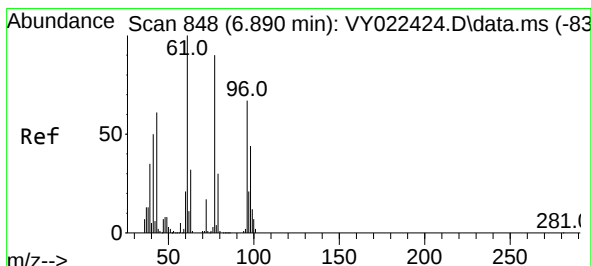
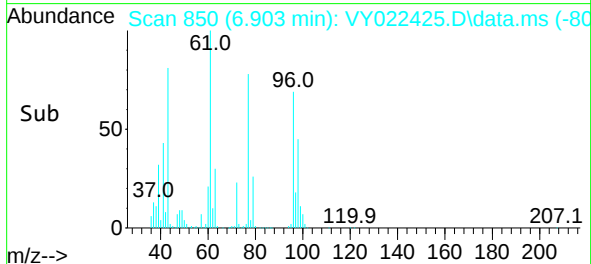
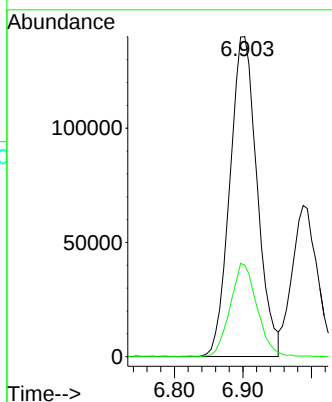
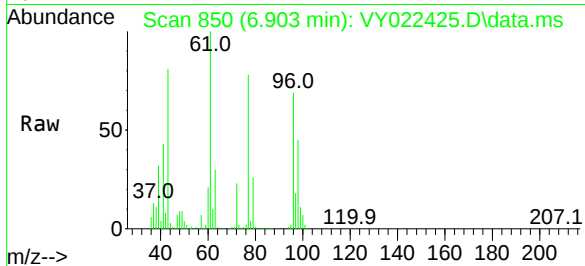




#25  
2-Butanone  
Concen: 527.215 ug/l  
RT: 6.903 min Scan# 851  
Delta R.T. -0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

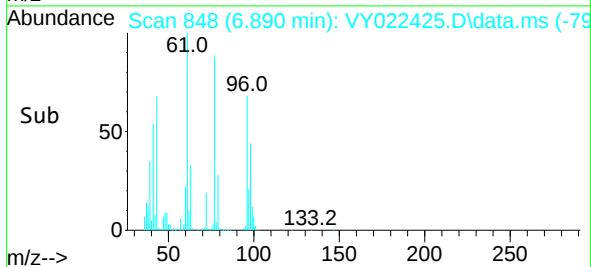
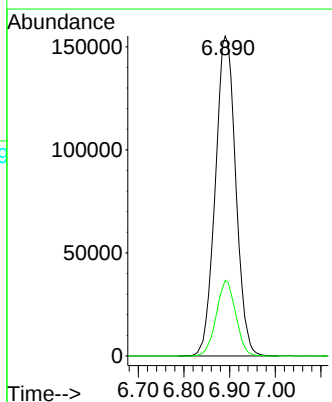
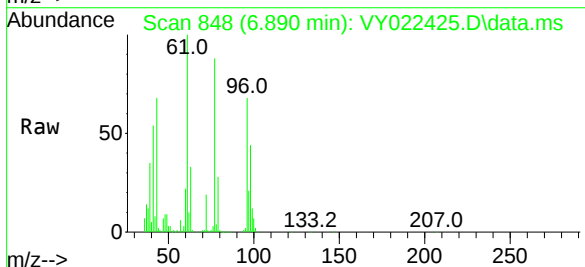
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

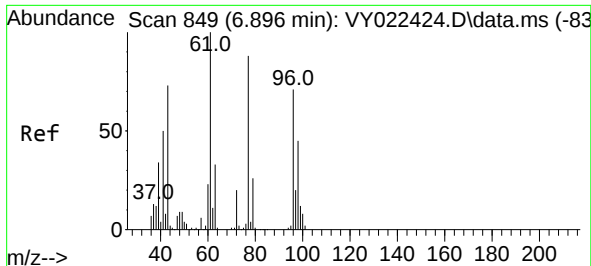
Tgt Ion: 43 Resp: 386768  
Ion Ratio Lower Upper  
43 100  
72 28.6 22.8 34.2



#26  
2,2-Dichloropropane  
Concen: 101.829 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 77 Resp: 482308  
Ion Ratio Lower Upper  
77 100  
97 22.4 11.6 34.7



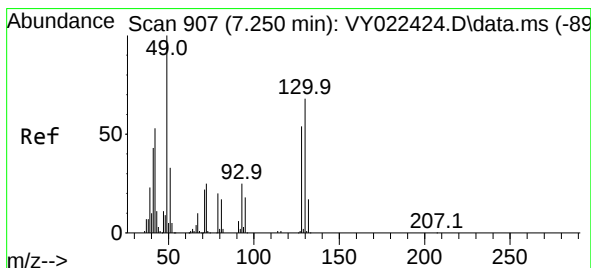
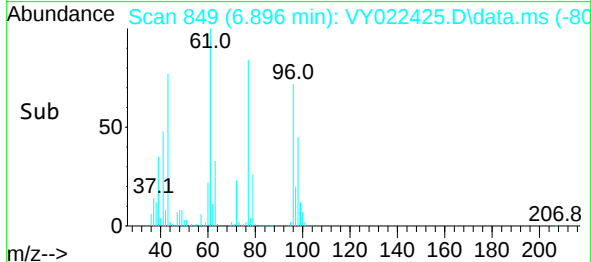
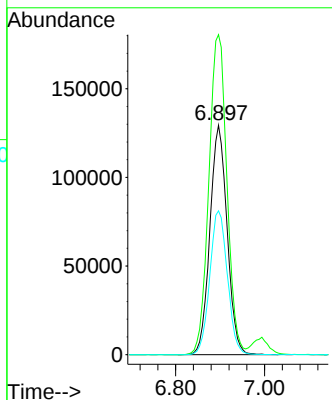
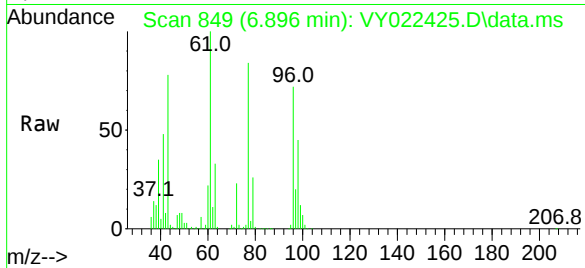


#27  
 cis-1,2-Dichloroethene  
 Concen: 103.273 ug/l  
 RT: 6.896 min Scan# 849  
 Delta R.T. 0.000 min  
 Lab File: VY022425.D  
 Acq: 27 May 2025 10:22

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

Tgt Ion: 96 Resp: 348023  

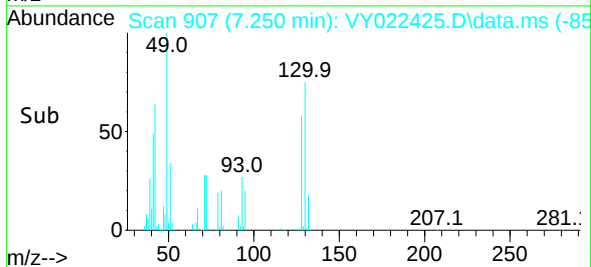
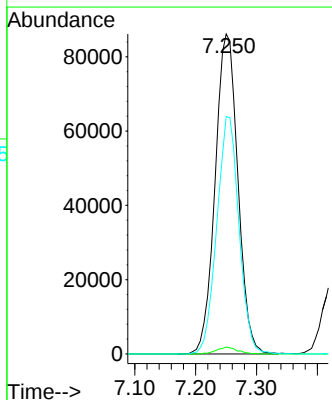
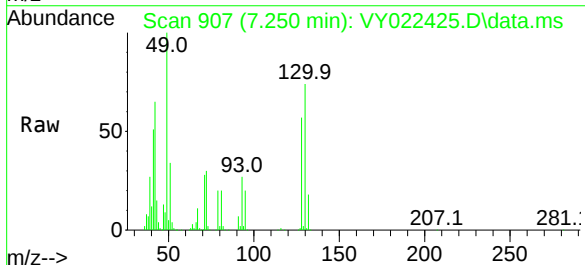
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 146.3 | 0.0   | 292.0 |
| 98  | 64.4  | 0.0   | 131.0 |

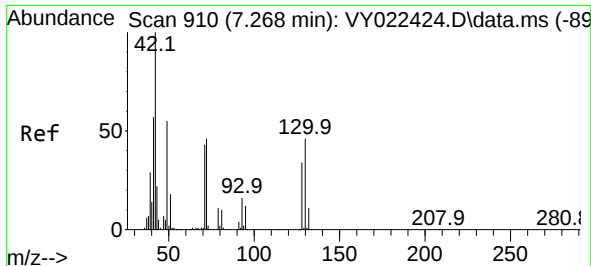


#28  
 Bromochloromethane  
 Concen: 102.322 ug/l  
 RT: 7.250 min Scan# 907  
 Delta R.T. 0.000 min  
 Lab File: VY022425.D  
 Acq: 27 May 2025 10:22

Tgt Ion: 49 Resp: 223498  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.0   | 0.0   | 4.0   |
| 130 | 72.3  | 56.9  | 85.3  |





#29

Tetrahydrofuran

Concen: 519.309 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

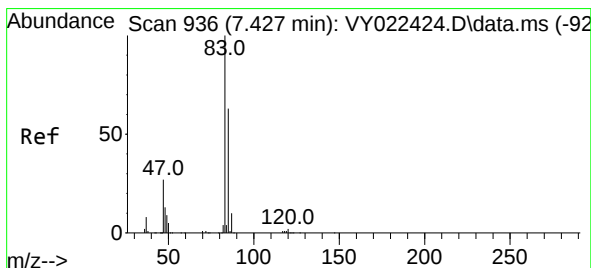
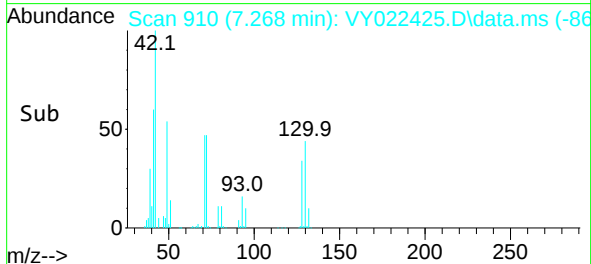
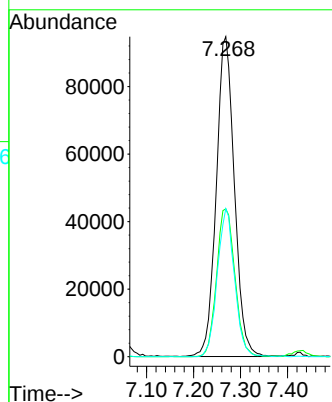
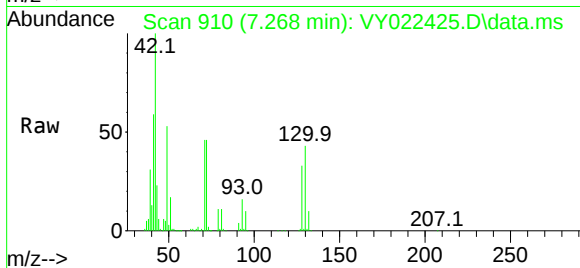
Tgt Ion: 42 Resp: 254076

Ion Ratio Lower Upper

42 100

72 46.9 37.7 56.5

71 43.9 34.7 52.1



#30

Chloroform

Concen: 103.866 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.000 min

Lab File: VY022425.D

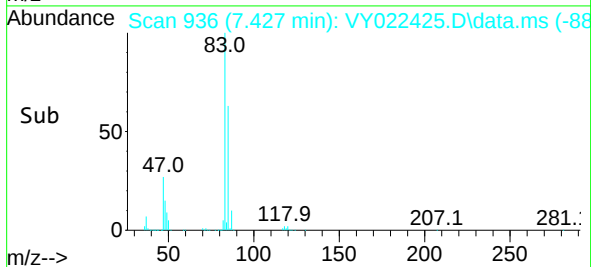
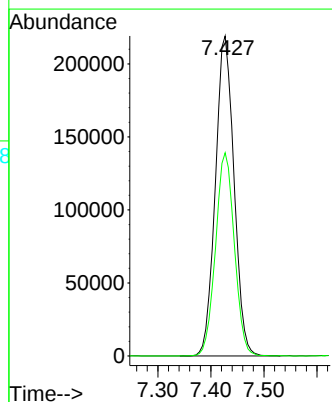
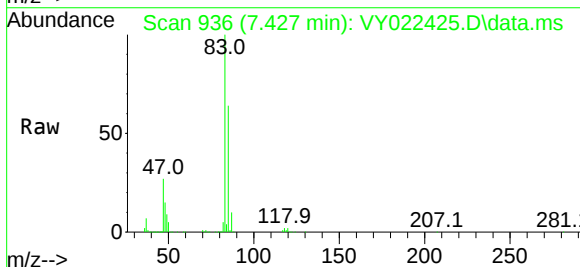
Acq: 27 May 2025 10:22

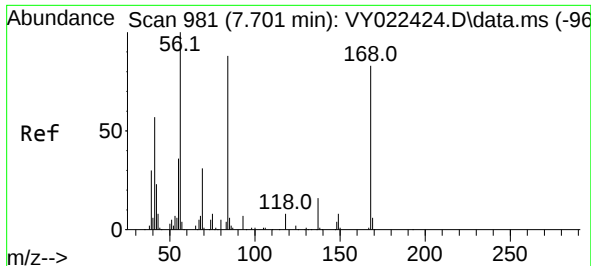
Tgt Ion: 83 Resp: 535360

Ion Ratio Lower Upper

83 100

85 63.5 50.1 75.1

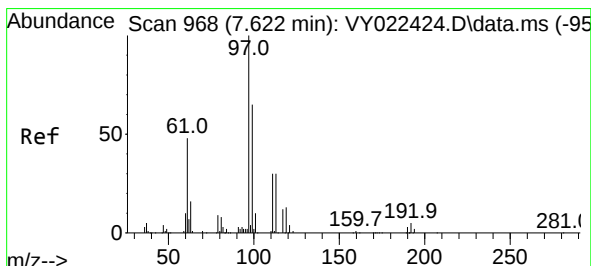
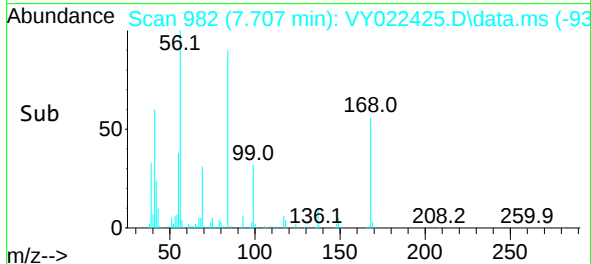
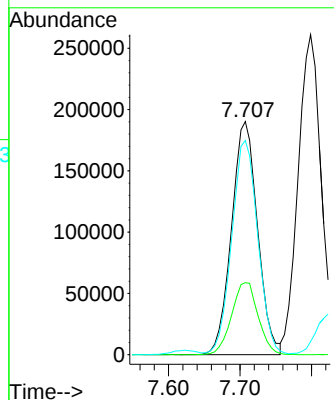
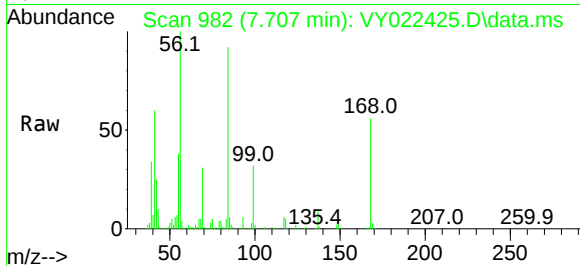




#31  
Cyclohexane  
Concen: 93.445 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

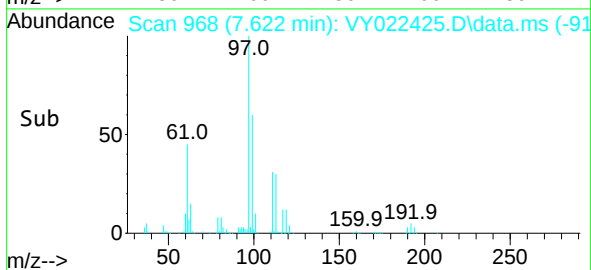
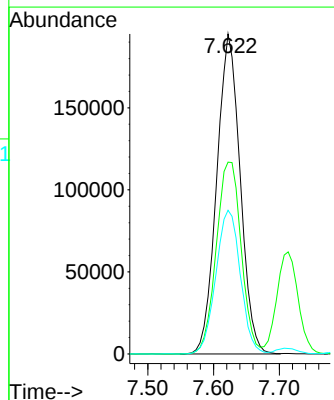
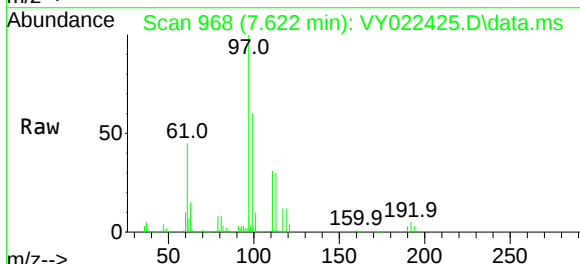
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

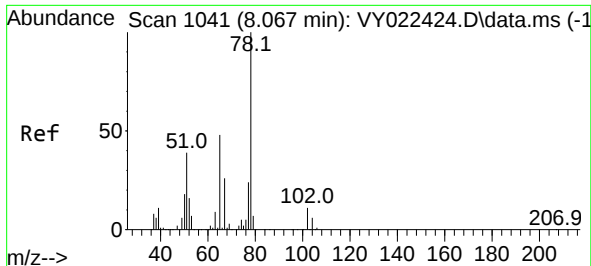
Tgt Ion: 56 Resp: 481828  
Ion Ratio Lower Upper  
56 100  
69 30.9 24.6 36.8  
84 90.3 70.4 105.6



#32  
1,1,1-Trichloroethane  
Concen: 103.605 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 97 Resp: 484647  
Ion Ratio Lower Upper  
97 100  
99 63.7 51.3 76.9  
61 47.0 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 102.746 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

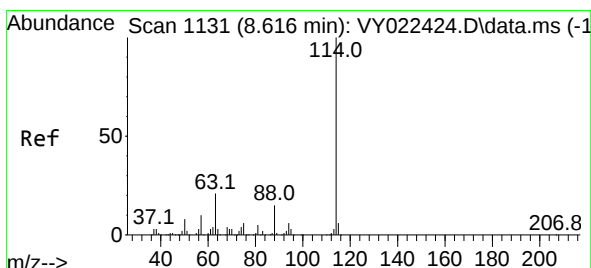
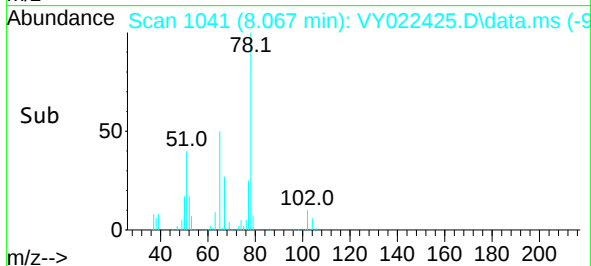
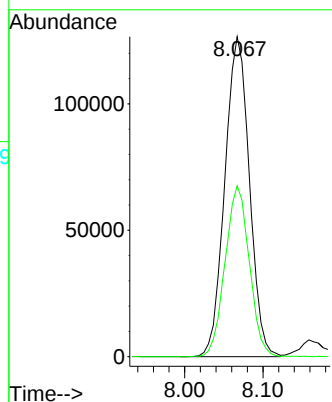
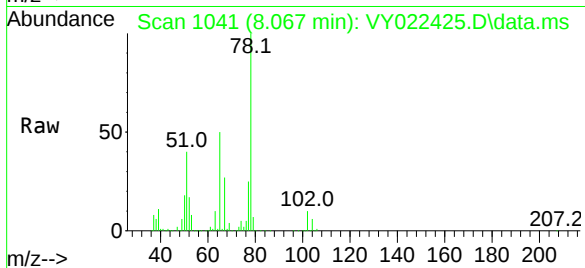
VSTDIC100

Tgt Ion: 65 Resp: 275425

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

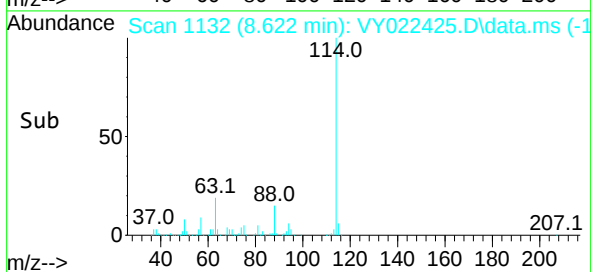
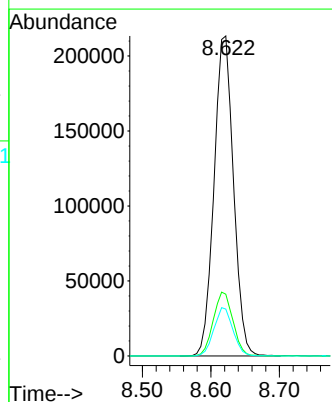
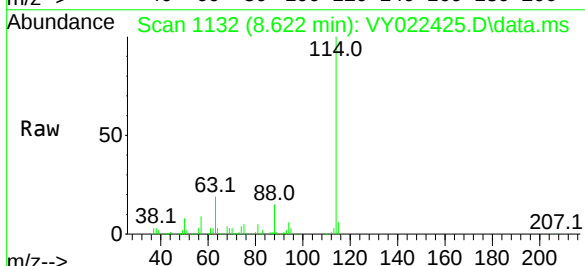
Tgt Ion: 114 Resp: 420045

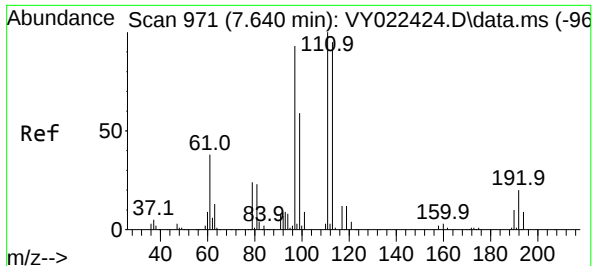
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

88 14.6 0.0 29.4

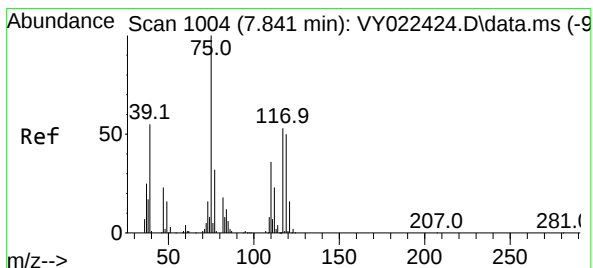
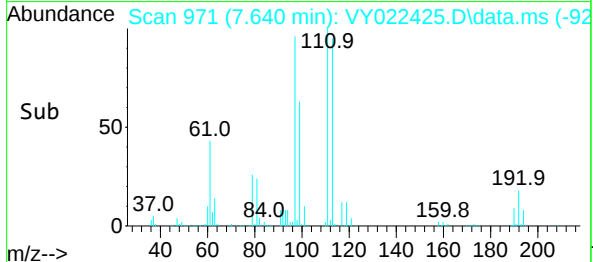
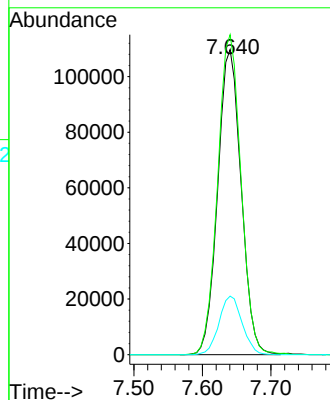
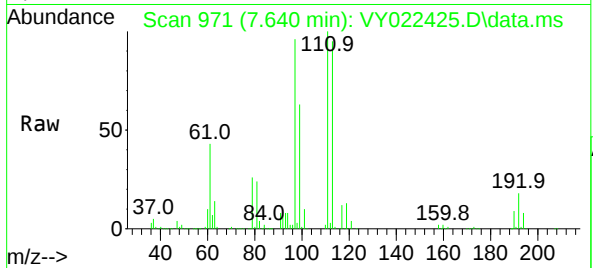




#35  
Dibromofluoromethane  
Concen: 105.646 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

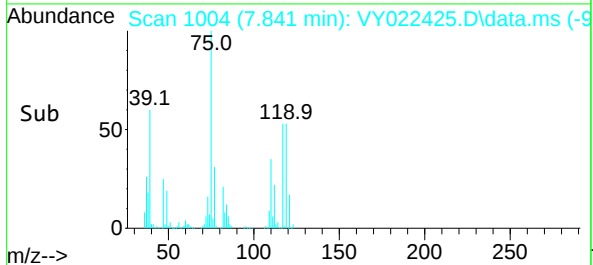
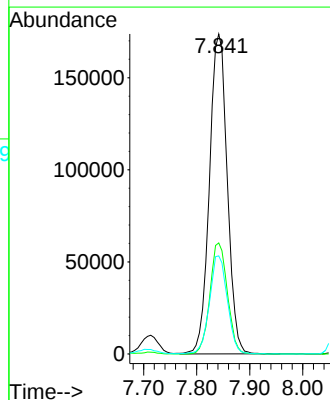
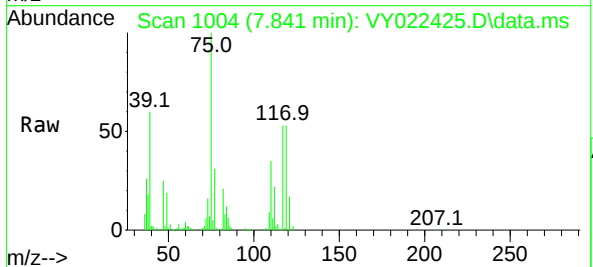
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

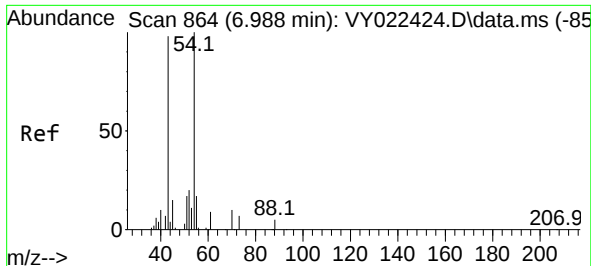
Tgt Ion:113 Resp: 259880  
Ion Ratio Lower Upper  
113 100  
111 104.8 82.4 123.6  
192 19.0 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 103.896 ug/l  
RT: 7.841 min Scan# 1004  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 75 Resp: 405555  
Ion Ratio Lower Upper  
75 100  
110 34.1 17.1 51.2  
77 30.8 25.1 37.7

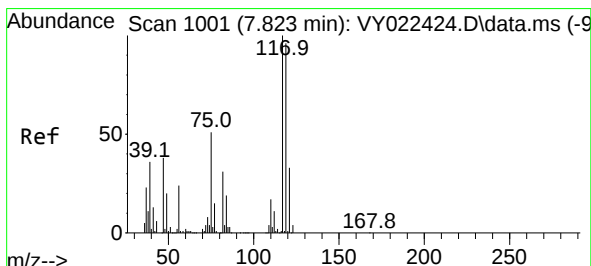
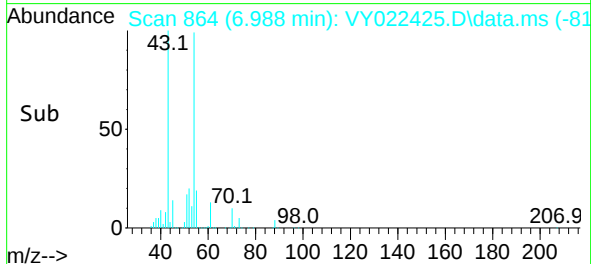
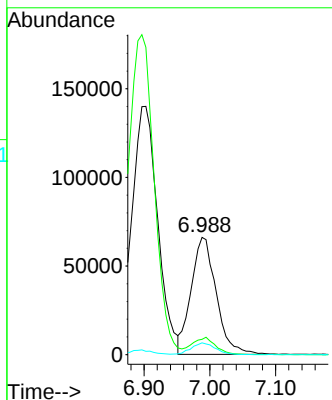
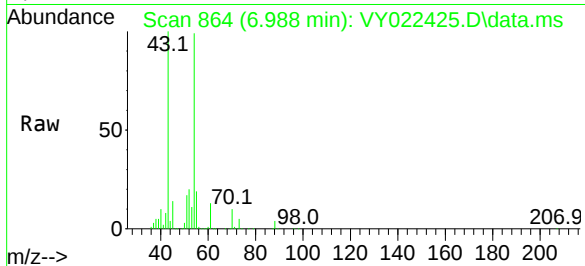




#37  
Ethyl Acetate  
Concen: 105.171 ug/l  
RT: 6.988 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

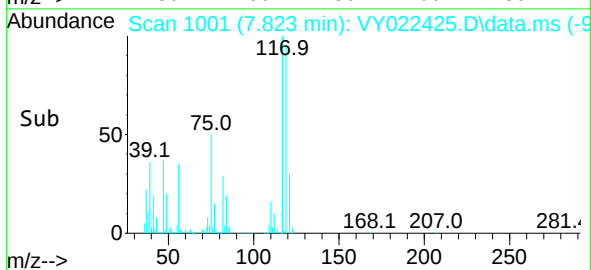
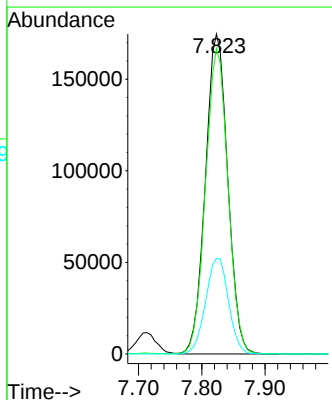
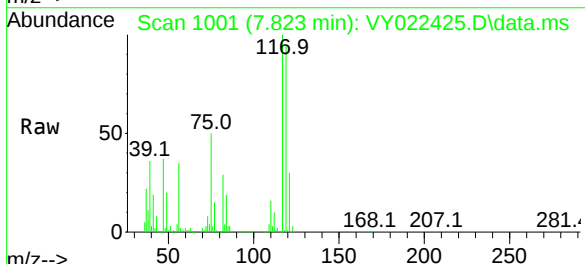
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

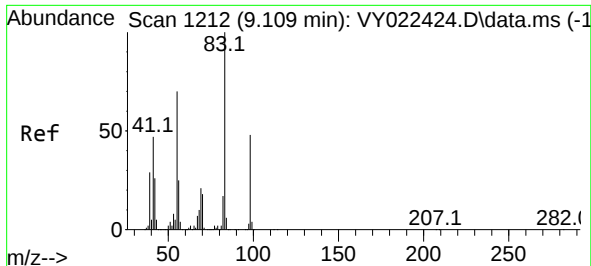
Tgt Ion: 43 Resp: 174471  
Ion Ratio Lower Upper  
43 100  
61 13.9 11.7 17.5  
70 9.8 7.8 11.6



#38  
Carbon Tetrachloride  
Concen: 105.456 ug/l  
RT: 7.823 min Scan# 1001  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 117 Resp: 428817  
Ion Ratio Lower Upper  
117 100  
119 95.4 76.3 114.5  
121 29.9 26.1 39.1





#39

Methylcyclohexane

Concen: 103.329 ug/l

RT: 9.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

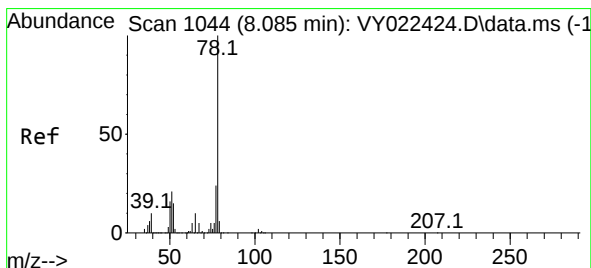
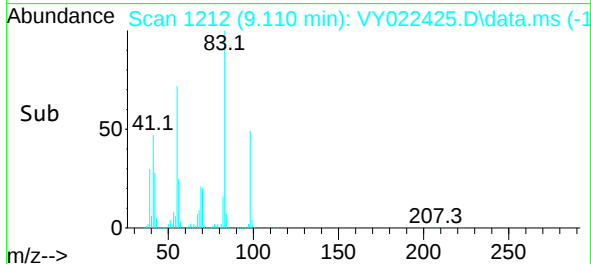
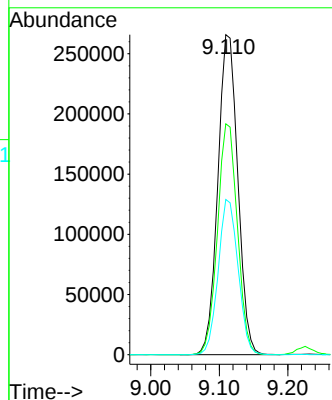
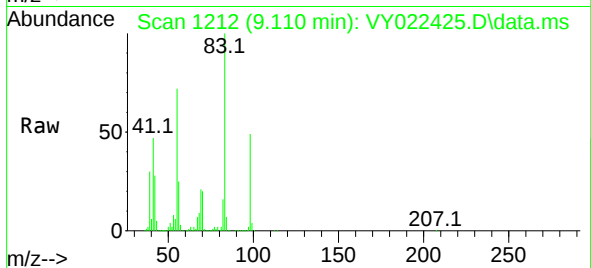
Tgt Ion: 83 Resp: 536153

Ion Ratio Lower Upper

83 100

55 72.2 56.2 84.2

98 48.5 38.4 57.6



#40

Benzene

Concen: 105.848 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VY022425.D

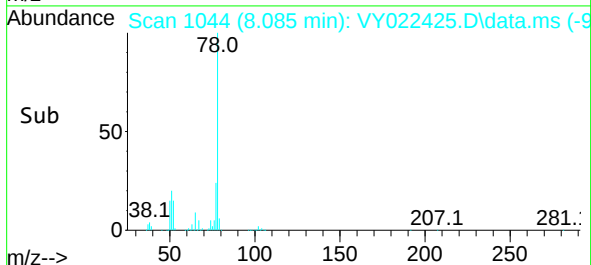
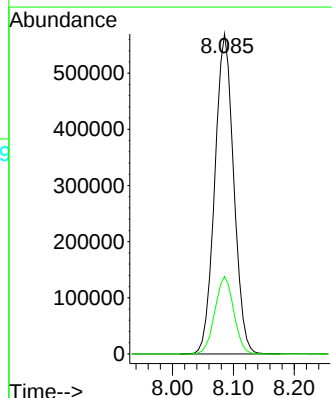
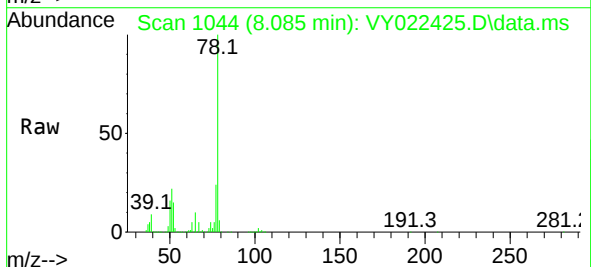
Acq: 27 May 2025 10:22

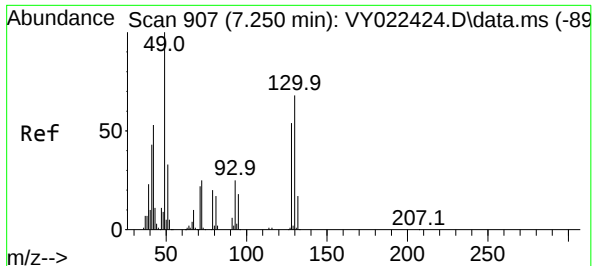
Tgt Ion: 78 Resp: 1229435

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.2



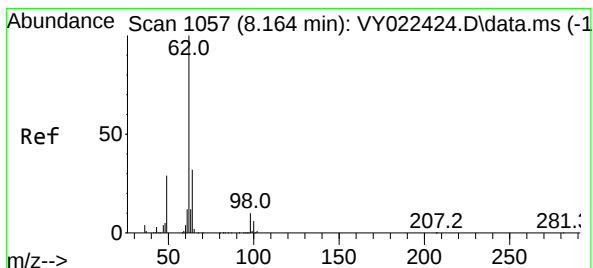
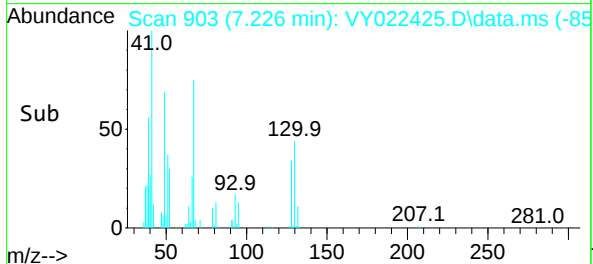
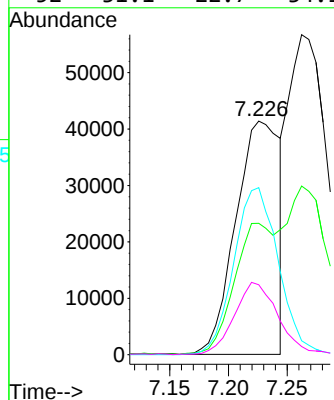
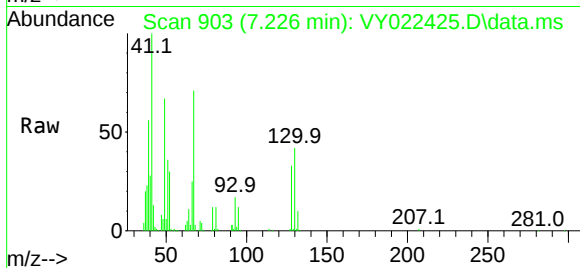


#41  
Methacrylonitrile  
Concen: 106.675 ug/l  
RT: 7.226 min Scan# 907  
Delta R.T. -0.024 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

Tgt Ion: 41 Resp: 107407

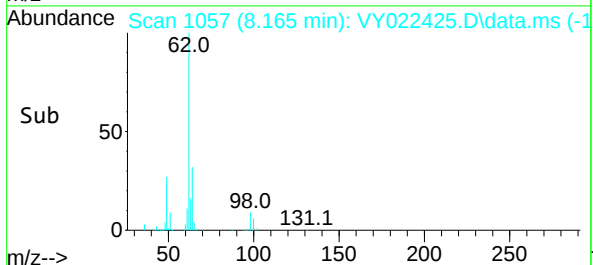
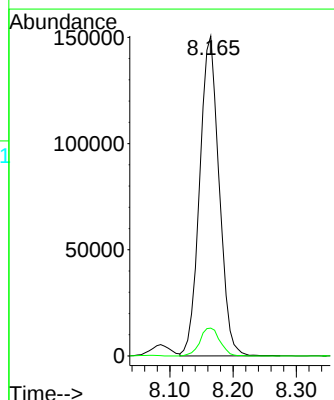
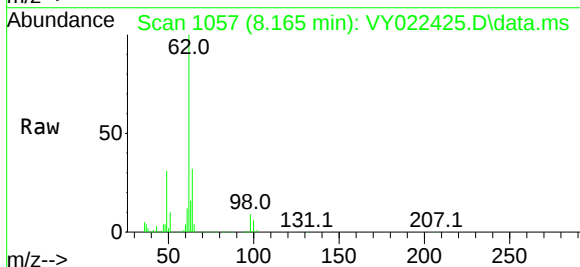
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 49.4  | 40.4  | 60.6  |
| 67  | 73.1  | 53.0  | 79.4  |
| 52  | 31.1  | 22.7  | 34.1  |

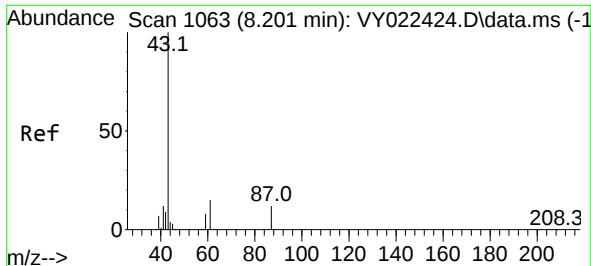


#42  
1,2-Dichloroethane  
Concen: 104.887 ug/l  
RT: 8.165 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 62 Resp: 321758

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.0   | 0.0   | 18.4  |

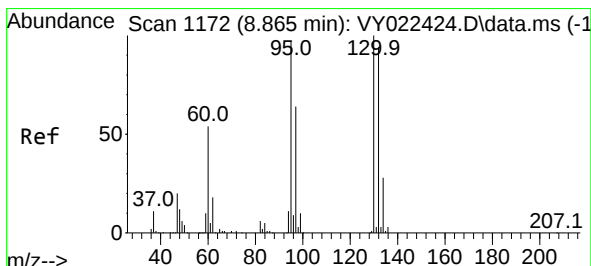
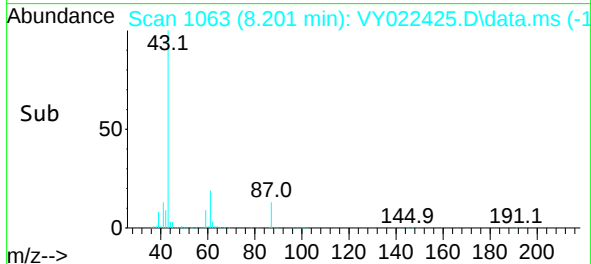
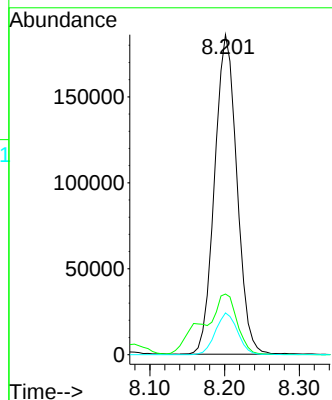
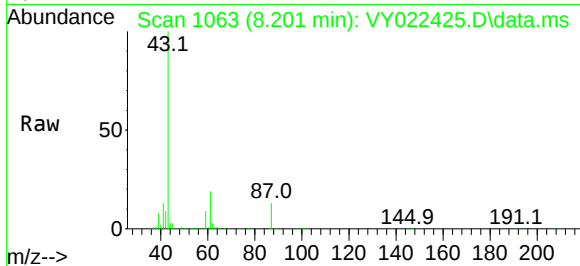




#43  
Isopropyl Acetate  
Concen: 106.287 ug/l  
RT: 8.201 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

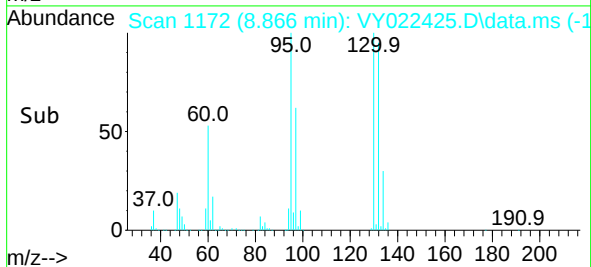
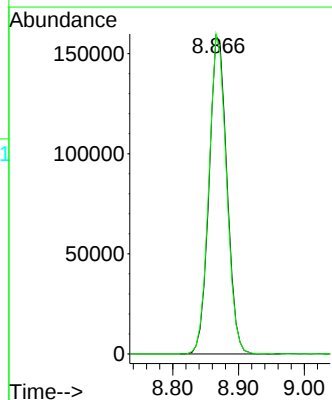
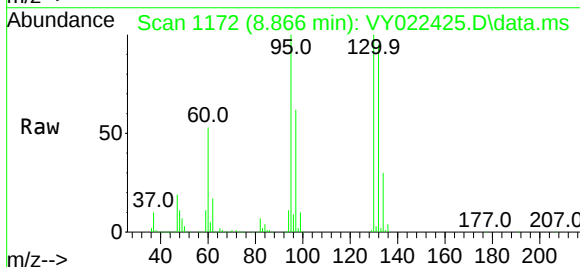
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

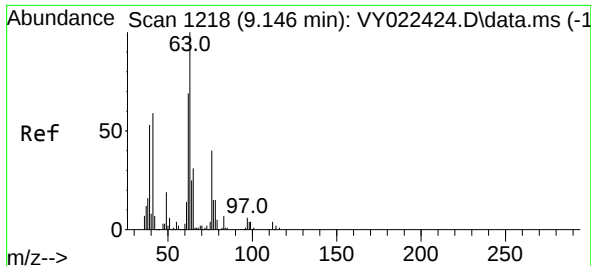
Tgt Ion: 43 Resp: 385296  
Ion Ratio Lower Upper  
43 100  
61 19.2 15.4 23.0  
87 13.0 10.6 15.8



#44  
Trichloroethene  
Concen: 104.583 ug/l  
RT: 8.866 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion:130 Resp: 300293  
Ion Ratio Lower Upper  
130 100  
95 100.4 0.0 194.8





#45

1,2-Dichloropropane

Concen: 105.160 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

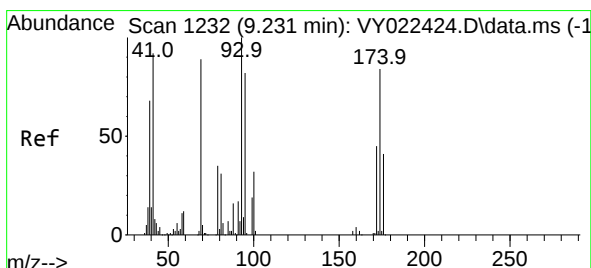
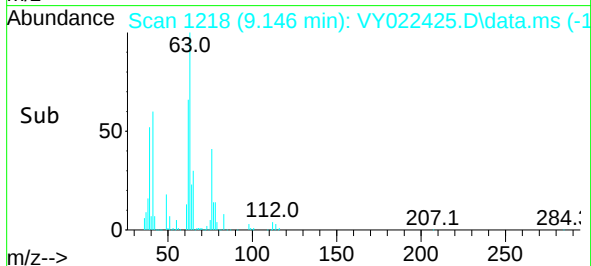
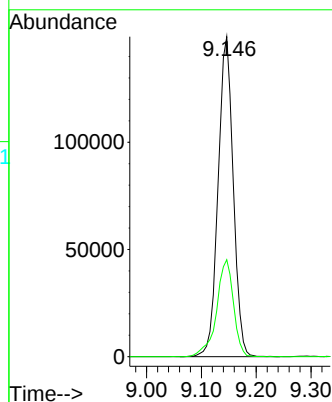
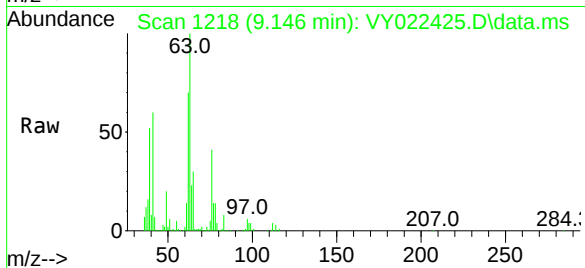
VSTDICC100

Tgt Ion: 63 Resp: 286982

Ion Ratio Lower Upper

63 100

65 30.3 25.1 37.7



#46

Dibromomethane

Concen: 105.464 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

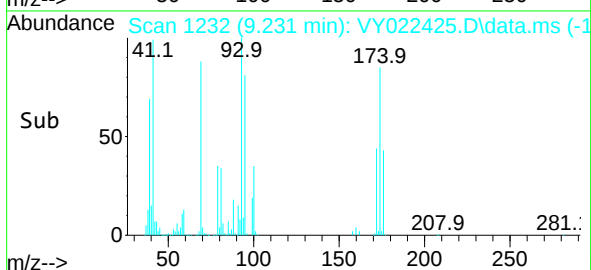
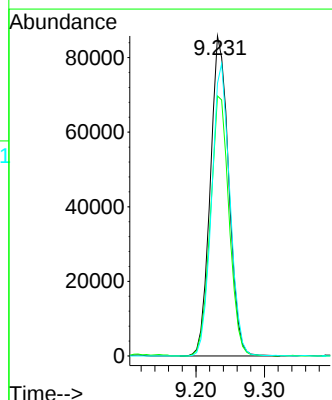
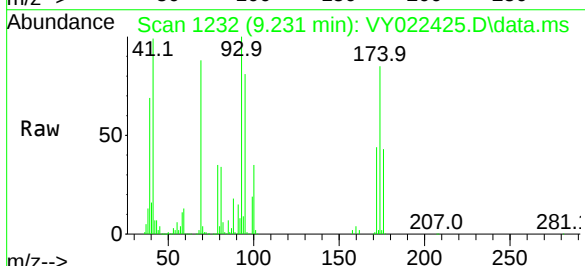
Tgt Ion: 93 Resp: 160779

Ion Ratio Lower Upper

93 100

95 81.8 66.2 99.2

174 89.9 71.1 106.7

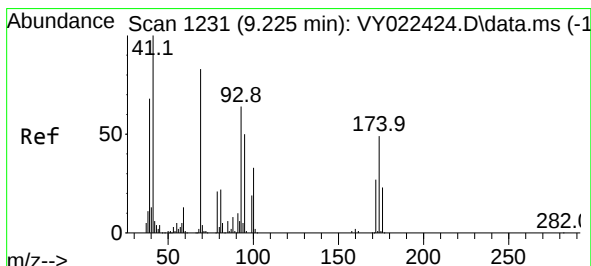
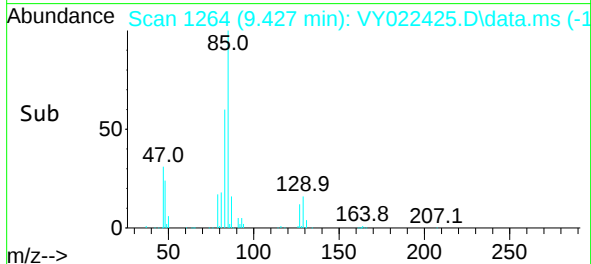
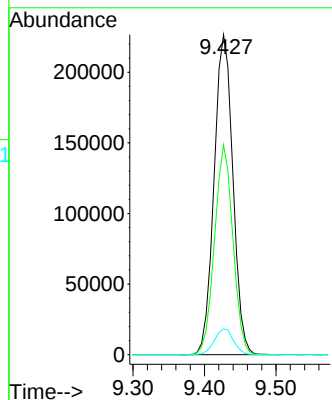
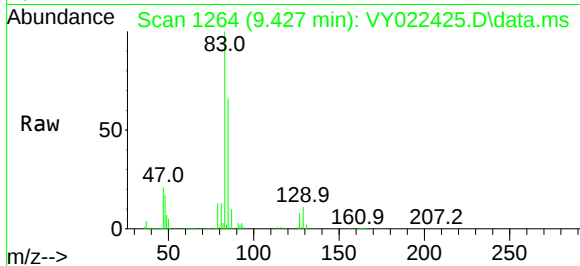




#47  
Bromodichloromethane  
Concen: 105.558 ug/l  
RT: 9.427 min Scan# 1264  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

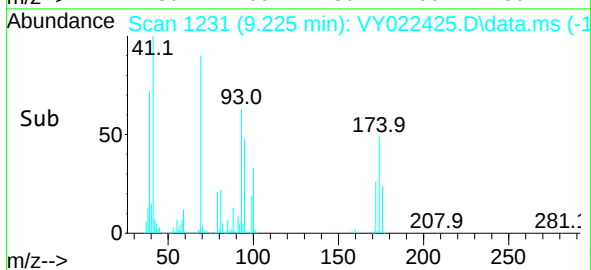
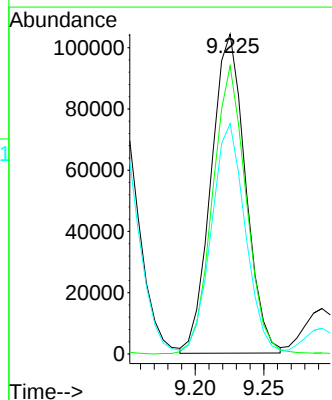
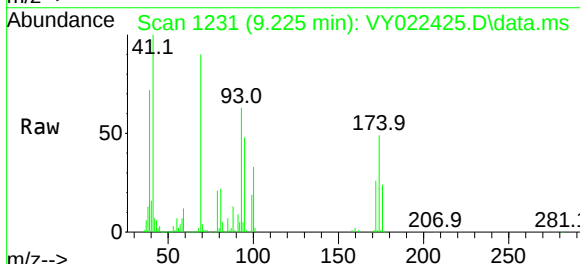
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

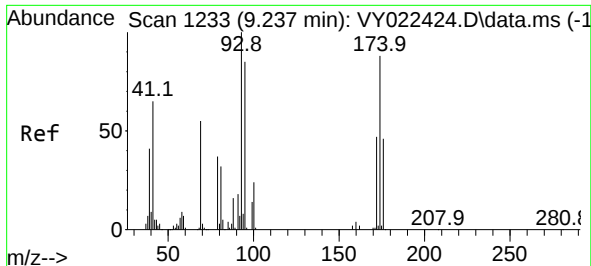
Tgt Ion: 83 Resp: 413821  
Ion Ratio Lower Upper  
83 100  
85 65.6 49.8 74.6  
127 8.0 6.6 9.8



#48  
Methyl methacrylate  
Concen: 108.116 ug/l  
RT: 9.225 min Scan# 1231  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 41 Resp: 181931  
Ion Ratio Lower Upper  
41 100  
69 88.1 70.3 105.5  
39 69.0 55.4 83.0





#49

1,4-Dioxane

Concen: 2158.331 ug/l

RT: 9.231 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

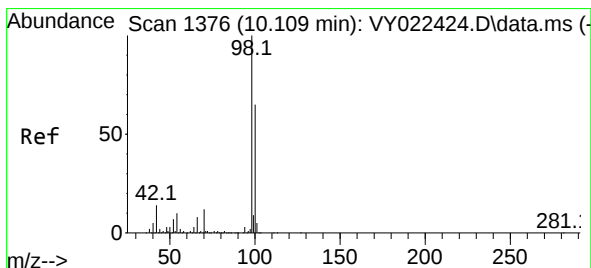
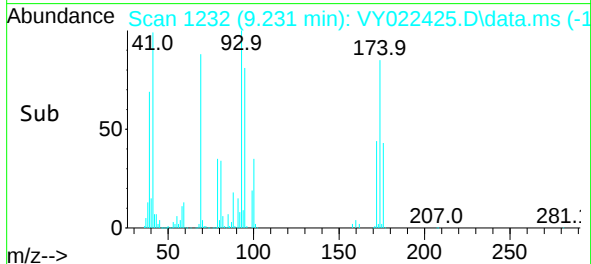
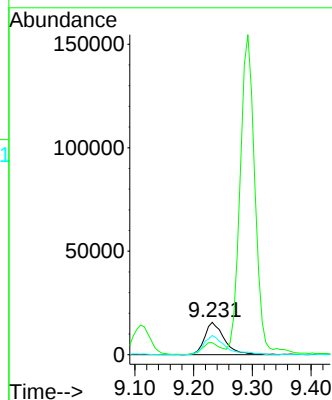
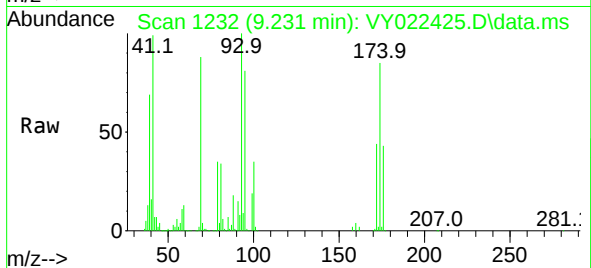
Tgt Ion: 88 Resp: 36343

Ion Ratio Lower Upper

88 100

43 34.2 26.9 40.3

58 65.5 55.8 83.6



#50

Toluene-d8

Concen: 106.726 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022425.D

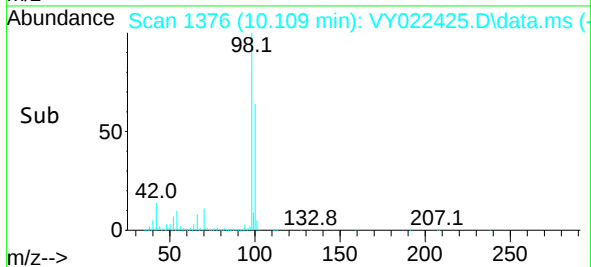
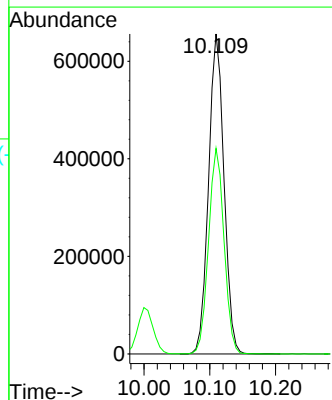
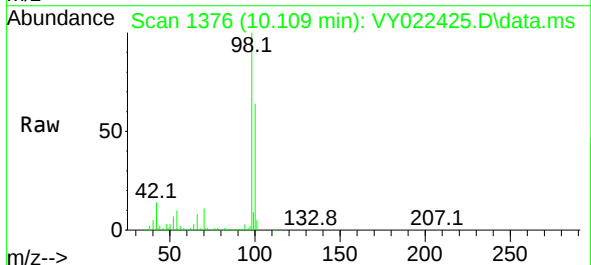
Acq: 27 May 2025 10:22

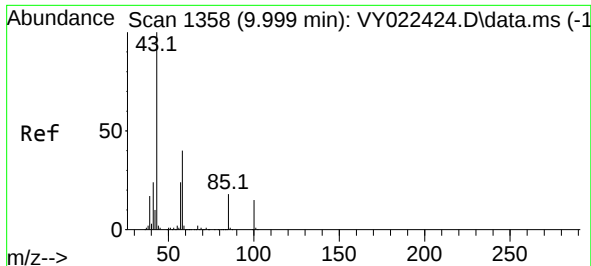
Tgt Ion: 98 Resp: 1070243

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2

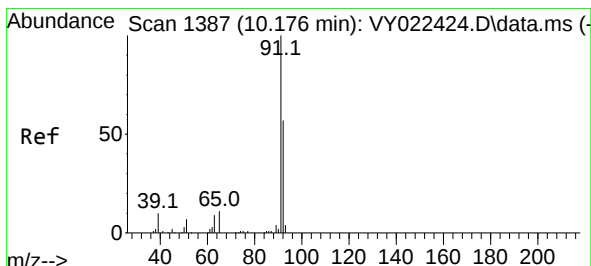
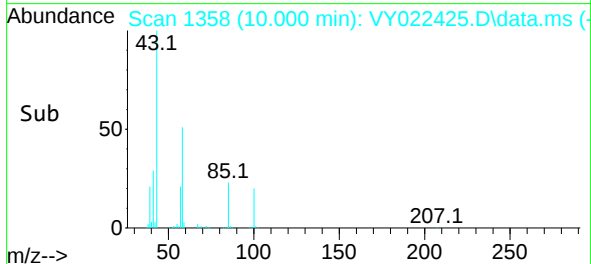
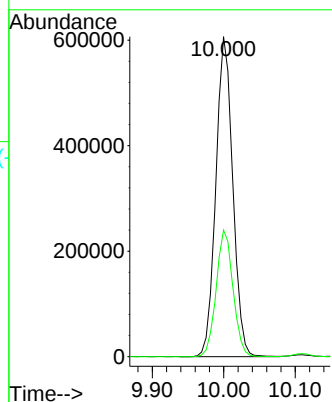
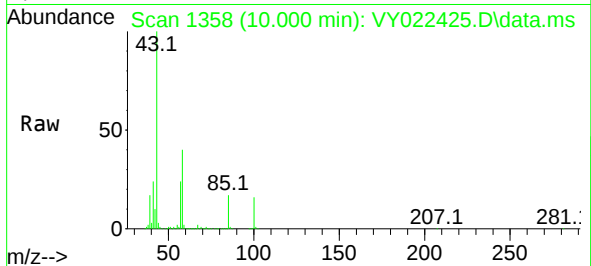




#51  
4-Methyl-2-Pentanone  
Concen: 556.674 ug/l  
RT: 10.000 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

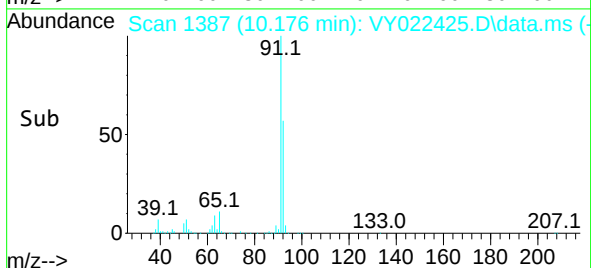
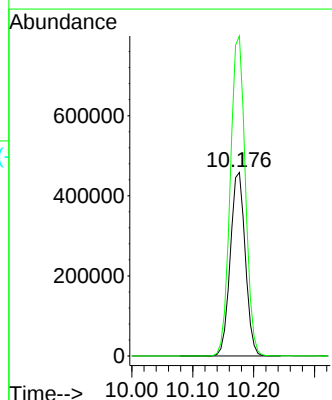
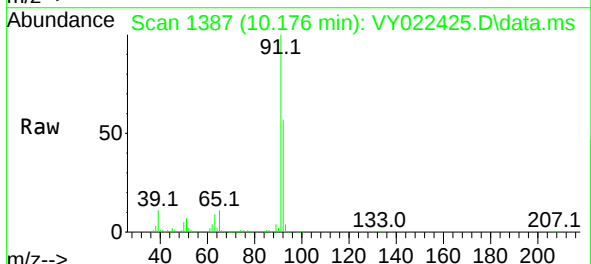
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

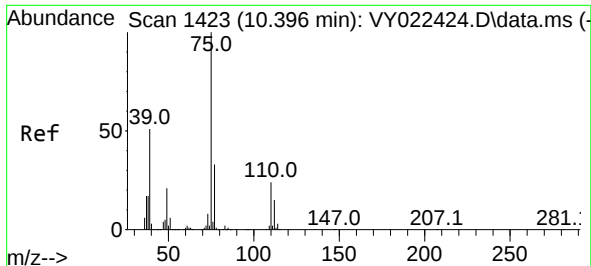
Tgt Ion: 43 Resp: 995669  
Ion Ratio Lower Upper  
43 100  
58 39.4 31.2 46.8



#52  
Toluene  
Concen: 107.563 ug/l  
RT: 10.176 min Scan# 1387  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 92 Resp: 780350  
Ion Ratio Lower Upper  
92 100  
91 175.4 139.8 209.6

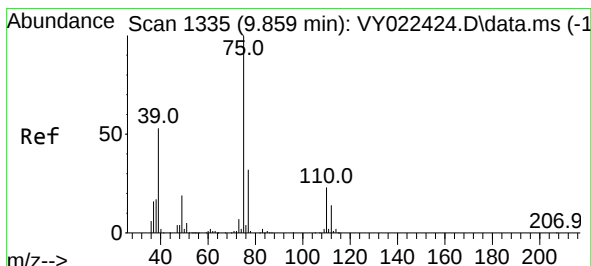
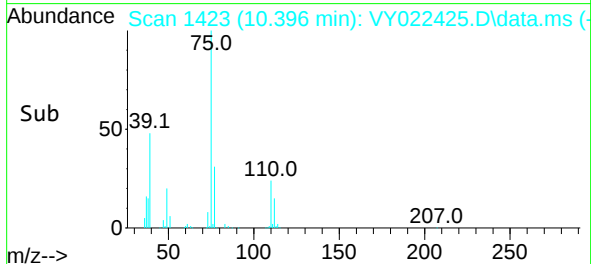
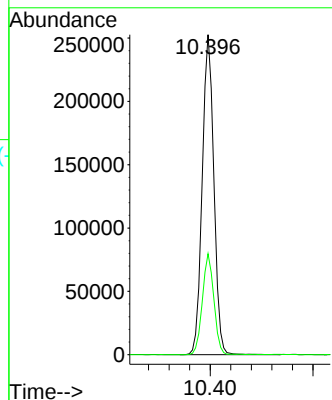
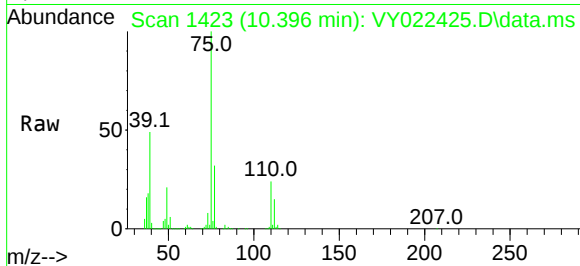




#53  
t-1,3-Dichloropropene  
Concen: 108.544 ug/l  
RT: 10.396 min Scan# 1423  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

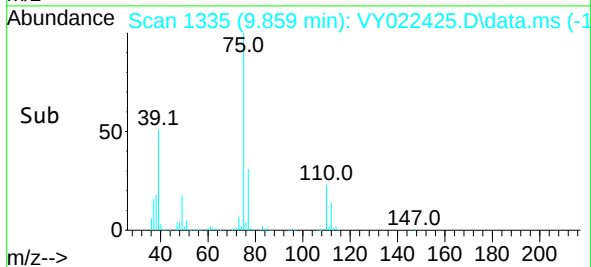
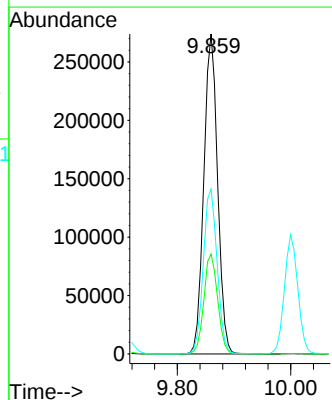
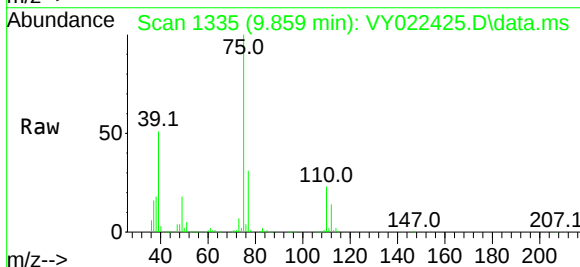
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

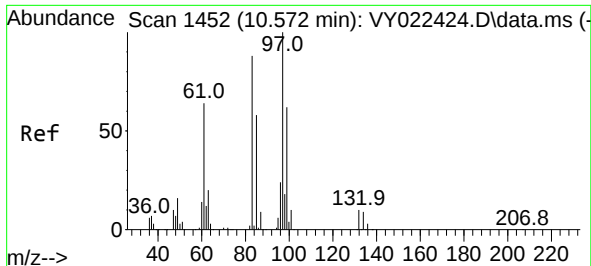
Tgt Ion: 75 Resp: 396365  
Ion Ratio Lower Upper  
75 100  
77 31.6 26.2 39.2



#54  
cis-1,3-Dichloropropene  
Concen: 107.411 ug/l  
RT: 9.859 min Scan# 1335  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 75 Resp: 460876  
Ion Ratio Lower Upper  
75 100  
77 31.2 25.4 38.2  
39 51.4 42.5 63.7

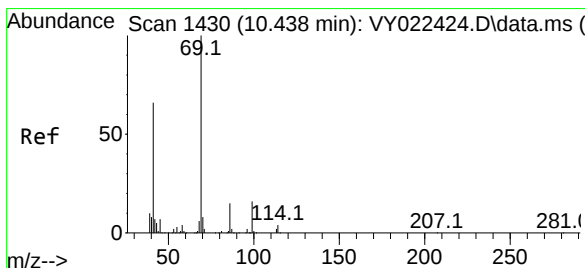
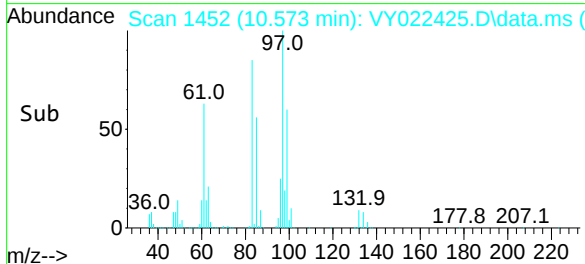
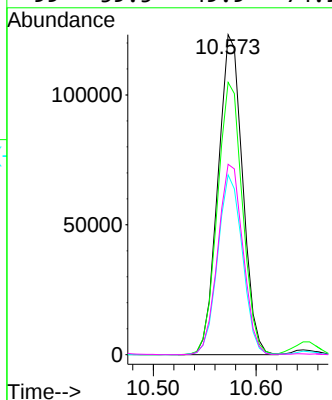
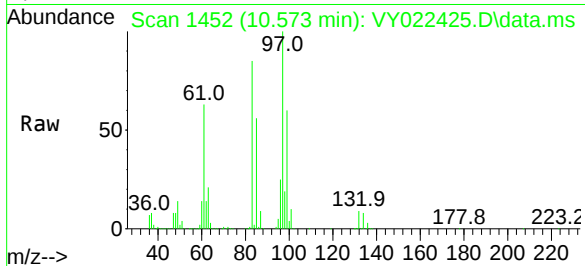




#55  
1,1,2-Trichloroethane  
Concen: 106.007 ug/l  
RT: 10.573 min Scan# 1452  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

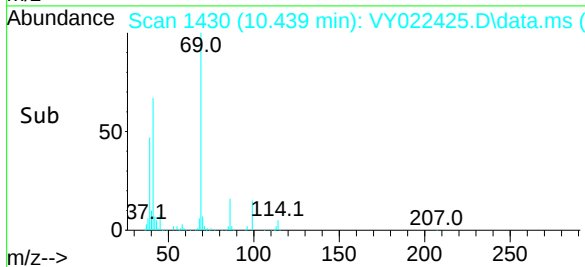
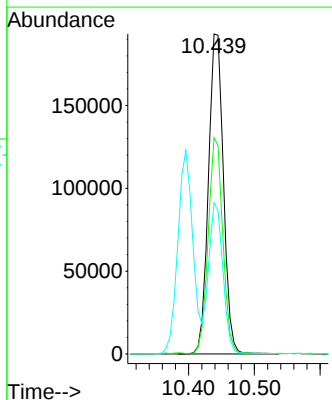
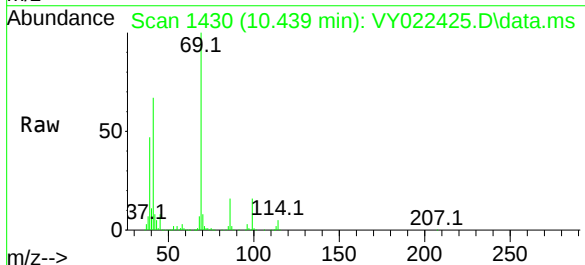
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

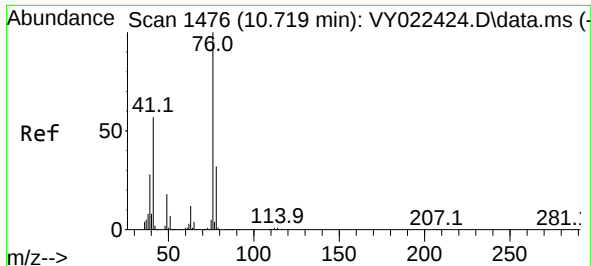
|             |              |
|-------------|--------------|
| Tgt Ion: 97 | Resp: 204326 |
| Ion Ratio   | Lower Upper  |
| 97 100      |              |
| 83 85.1     | 70.2 105.4   |
| 85 56.2     | 46.1 69.1    |
| 99 59.5     | 49.9 74.9    |



#56  
Ethyl methacrylate  
Concen: 110.908 ug/l  
RT: 10.439 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 306772 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 65.8     | 51.2 76.8    |
| 39 44.7     | 35.2 52.8    |





#57

1,3-Dichloropropane

Concen: 105.893 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

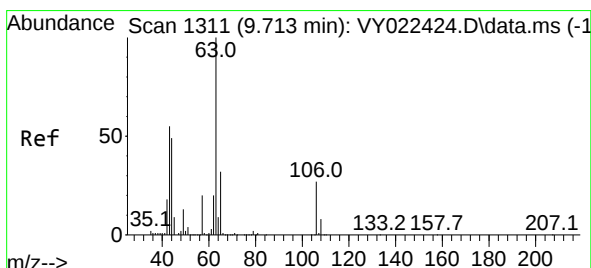
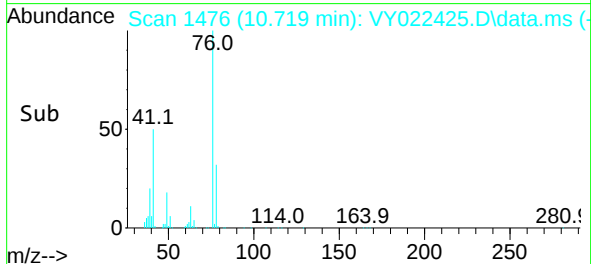
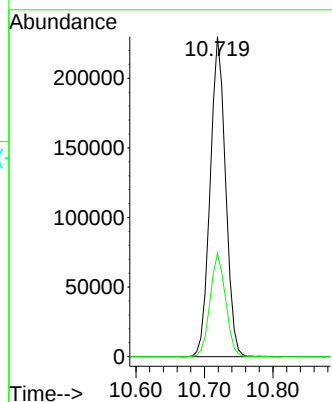
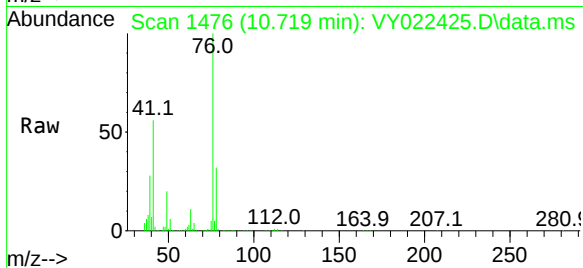
VSTDICC100

Tgt Ion: 76 Resp: 359684

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 559.284 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY022425.D

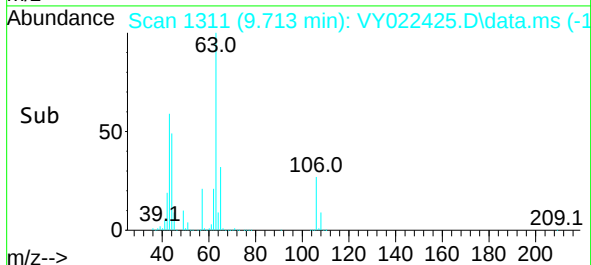
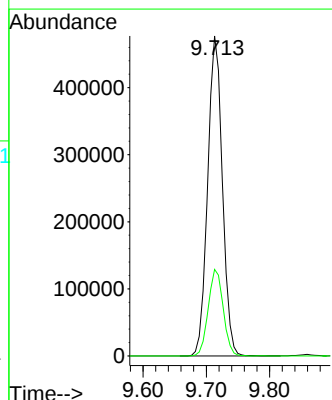
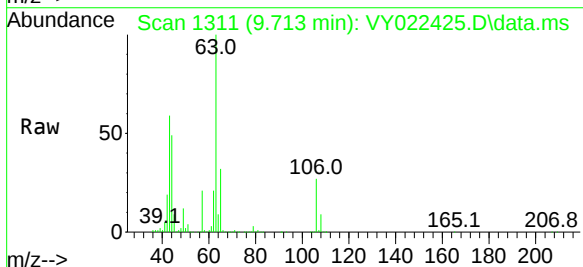
Acq: 27 May 2025 10:22

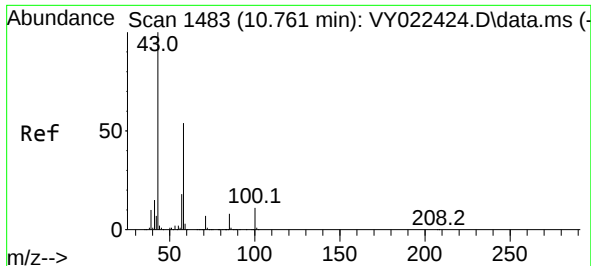
Tgt Ion: 63 Resp: 770988

Ion Ratio Lower Upper

63 100

106 27.5 22.2 33.2

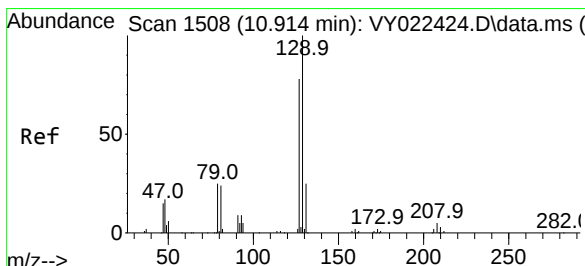
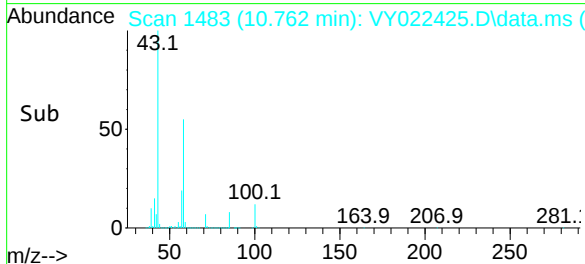
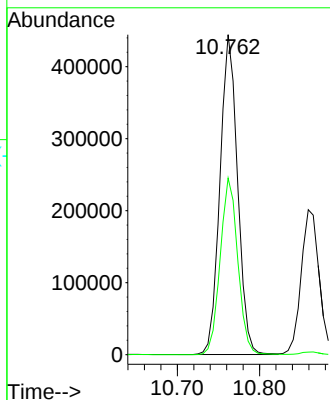
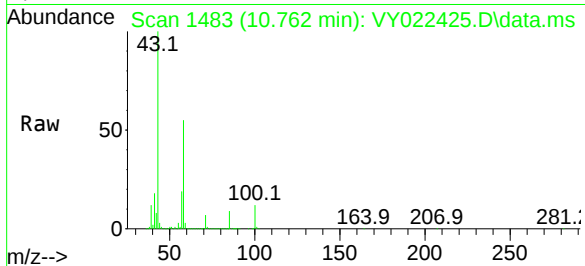




#59  
2-Hexanone  
Concen: 563.900 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

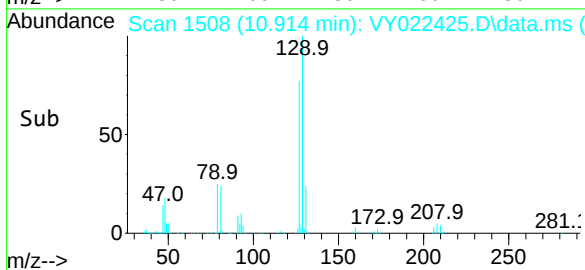
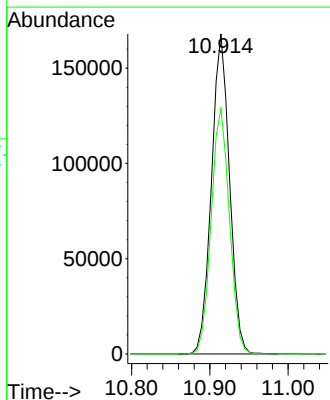
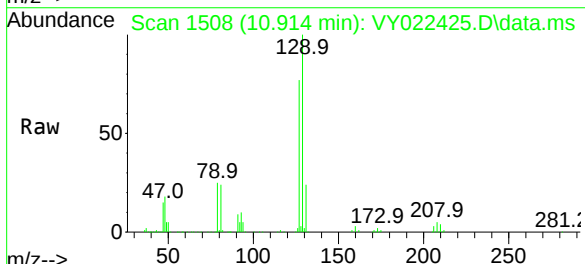
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

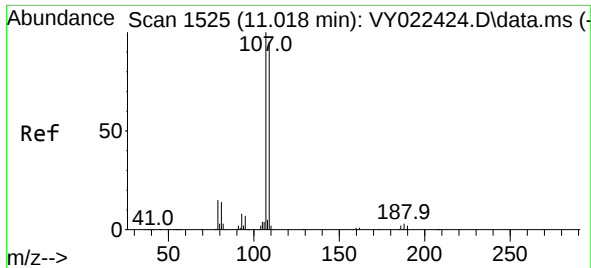
Tgt Ion: 43 Resp: 660980  
Ion Ratio Lower Upper  
43 100  
58 55.2 27.1 81.2



#60  
Dibromochloromethane  
Concen: 109.221 ug/l  
RT: 10.914 min Scan# 1508  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 129 Resp: 268919  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.3 114.8

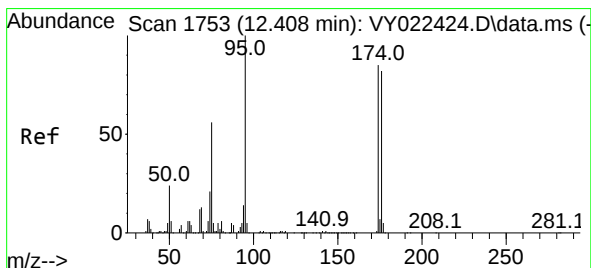
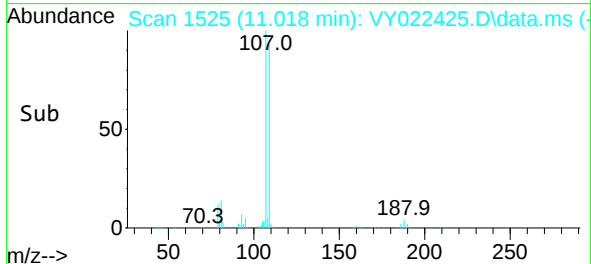
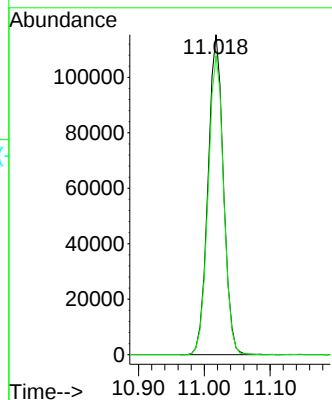
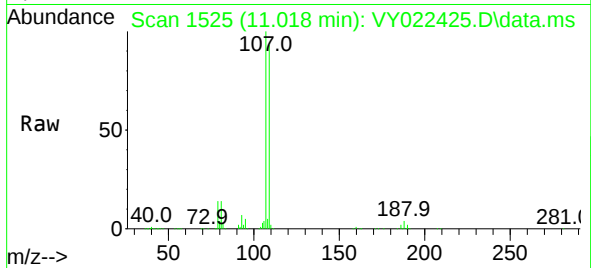




#61  
1,2-Dibromoethane  
Concen: 106.485 ug/l  
RT: 11.018 min Scan# 1525  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

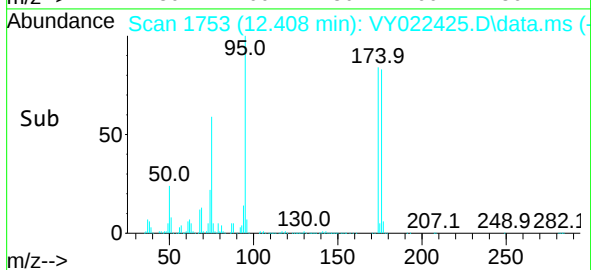
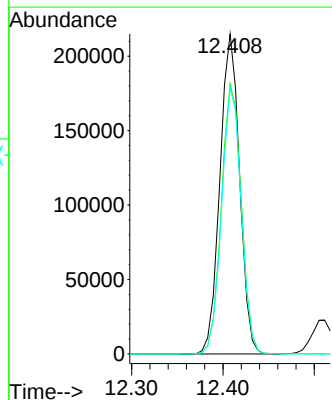
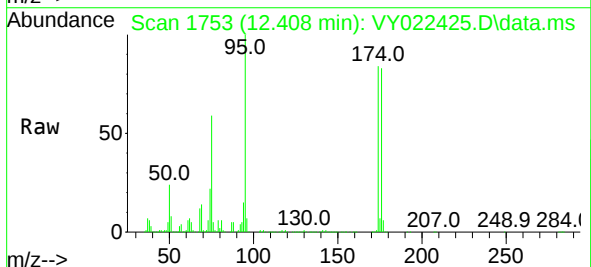
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

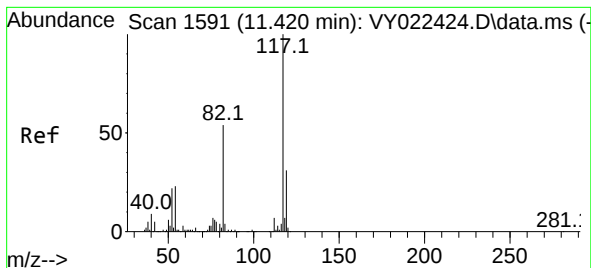
Tgt Ion:107 Resp: 187723  
Ion Ratio Lower Upper  
107 100  
109 94.6 74.0 111.0



#62  
4-Bromofluorobenzene  
Concen: 105.861 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 95 Resp: 321108  
Ion Ratio Lower Upper  
95 100  
174 85.7 0.0 171.6  
176 82.9 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

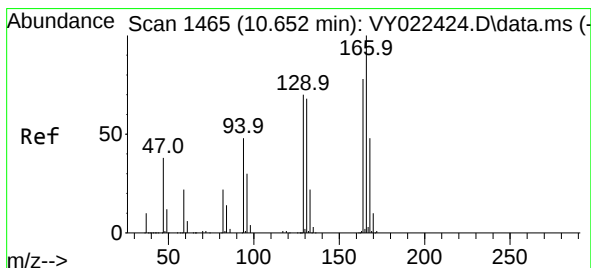
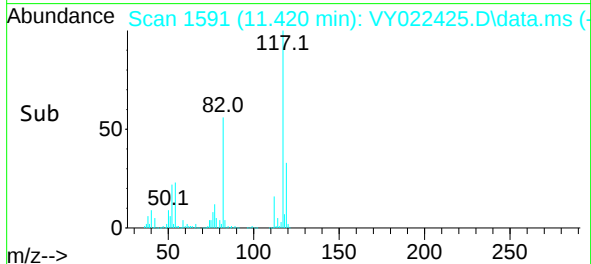
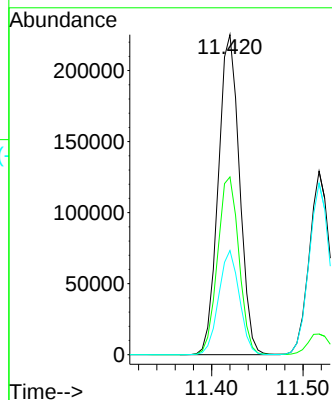
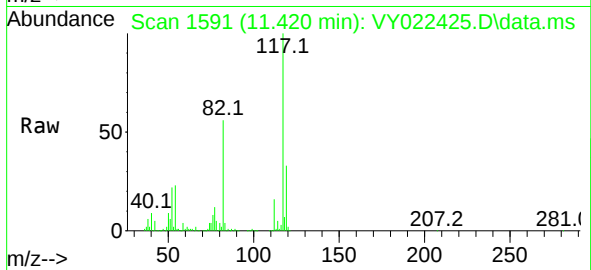
Tgt Ion:117 Resp: 364148

Ion Ratio Lower Upper

117 100

82 55.6 43.3 64.9

119 32.5 24.5 36.7



#64

Tetrachloroethene

Concen: 100.828 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Tgt Ion:164 Resp: 312696

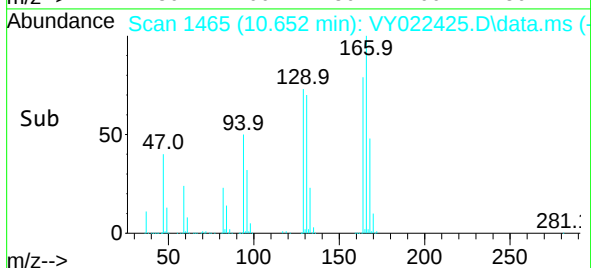
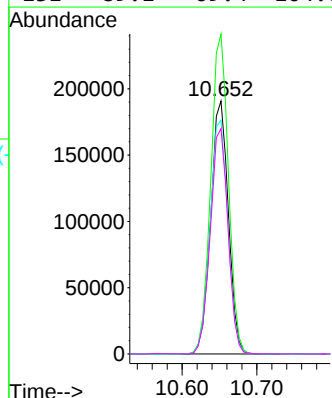
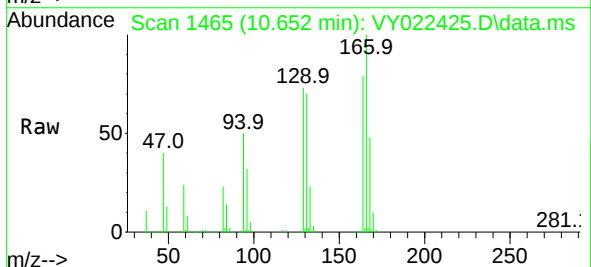
Ion Ratio Lower Upper

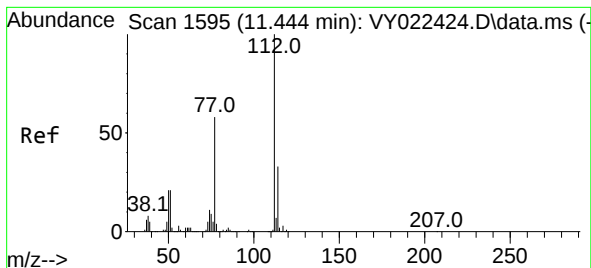
164 100

166 126.5 102.0 153.0

129 92.5 71.3 106.9

131 89.1 69.4 104.0





#65

Chlorobenzene

Concen: 106.209 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

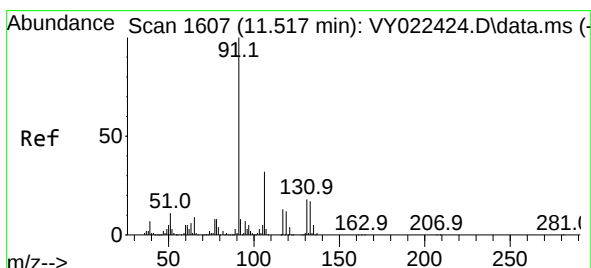
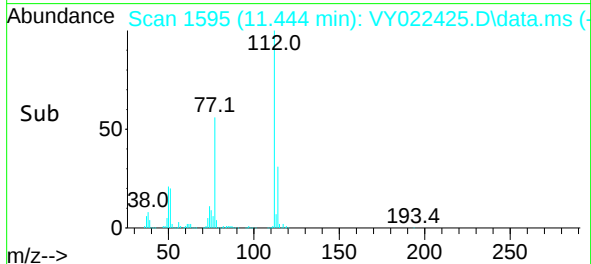
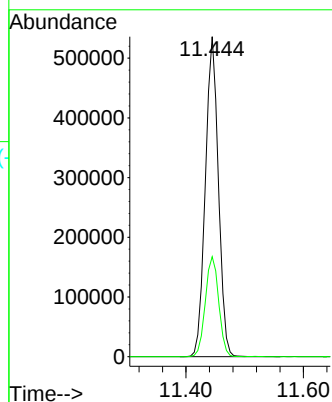
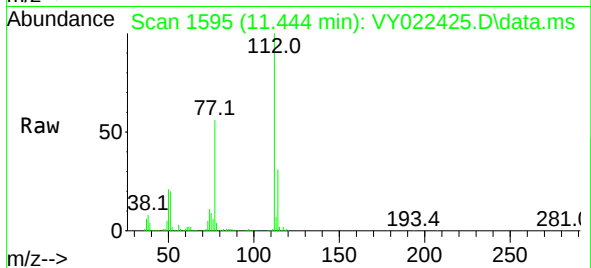
VSTDIC100

Tgt Ion:112 Resp: 824685

Ion Ratio Lower Upper

112 100

114 31.3 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 108.640 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

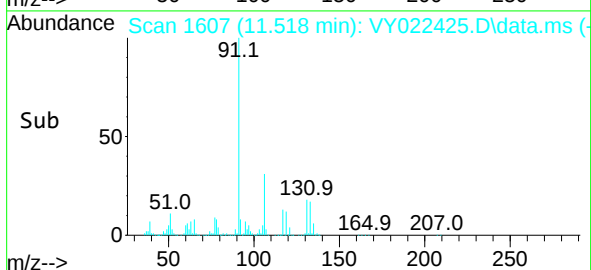
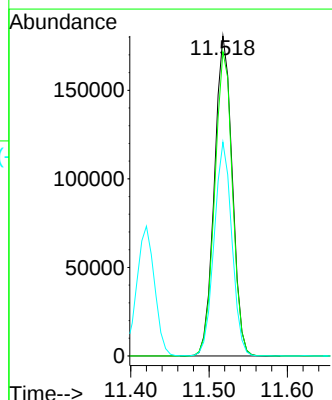
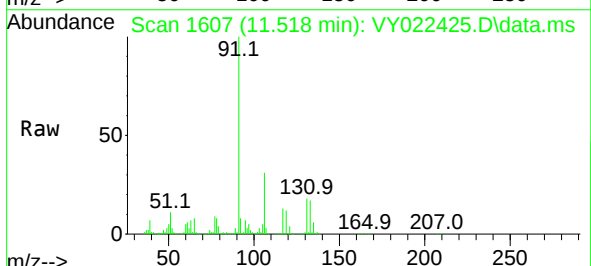
Tgt Ion:131 Resp: 285811

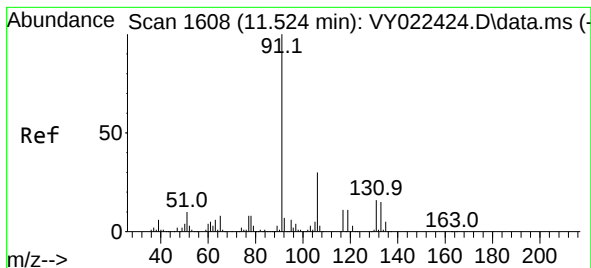
Ion Ratio Lower Upper

131 100

133 94.9 46.6 139.8

119 66.3 33.3 99.8





#67

Ethyl Benzene

Concen: 108.210 ug/l

RT: 11.524 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

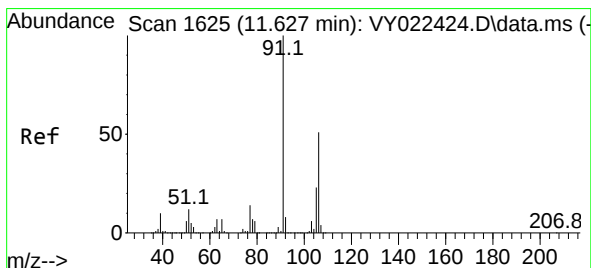
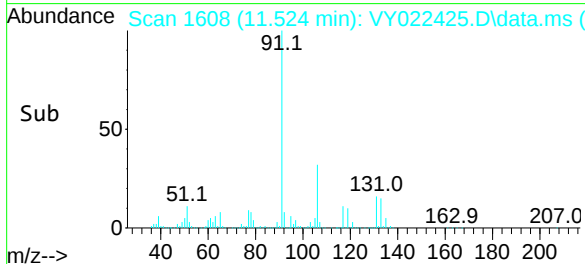
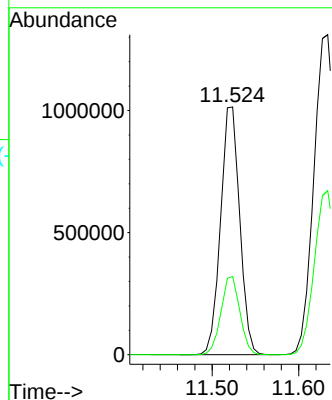
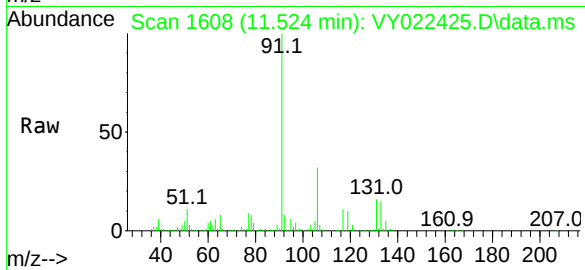
VSTDIC100

Tgt Ion: 91 Resp: 1560112

Ion Ratio Lower Upper

91 100

106 31.6 24.4 36.6



#68

m/p-Xylenes

Concen: 219.811 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY022425.D

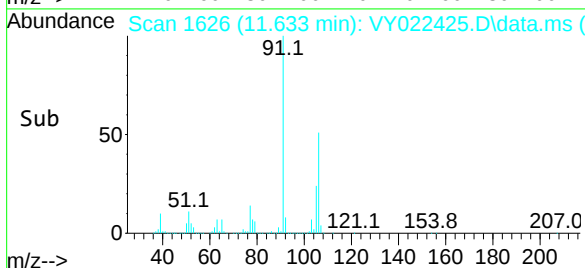
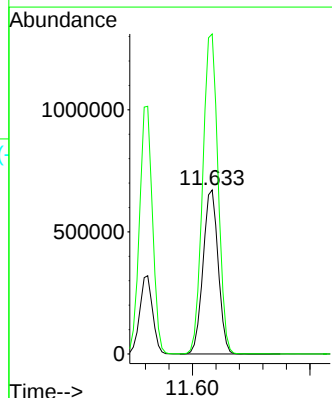
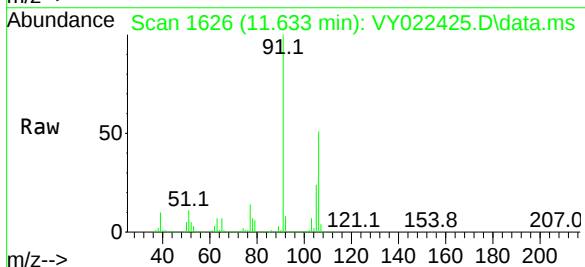
Acq: 27 May 2025 10:22

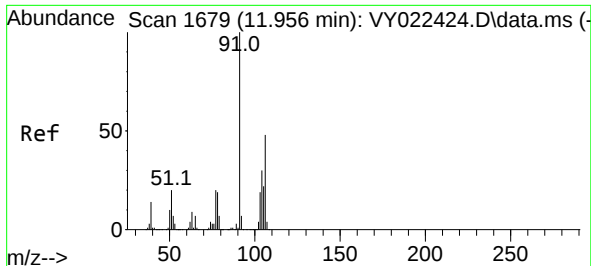
Tgt Ion:106 Resp: 1201541

Ion Ratio Lower Upper

106 100

91 198.0 159.8 239.8

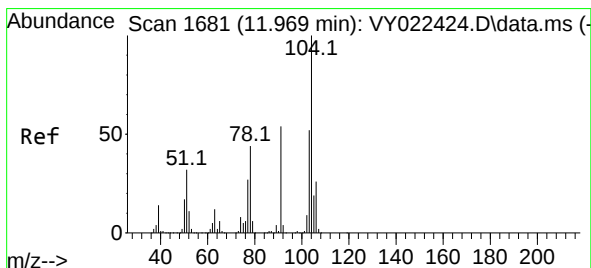
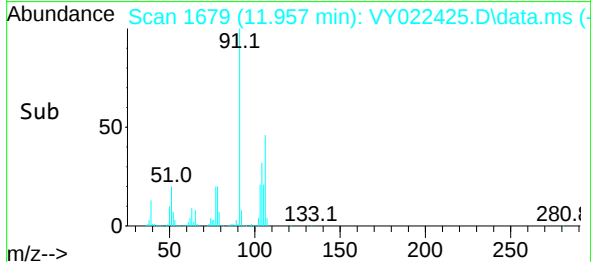
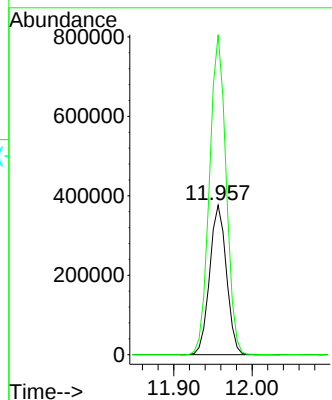
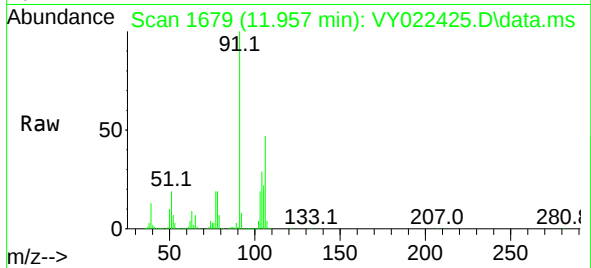




#69  
o-Xylene  
Concen: 108.917 ug/l  
RT: 11.957 min Scan# 1679  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

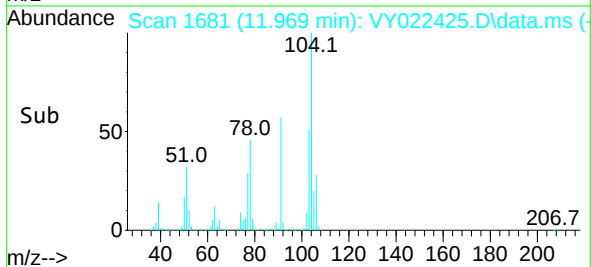
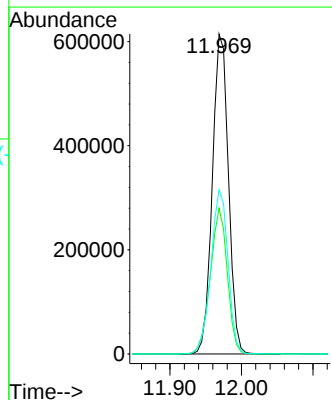
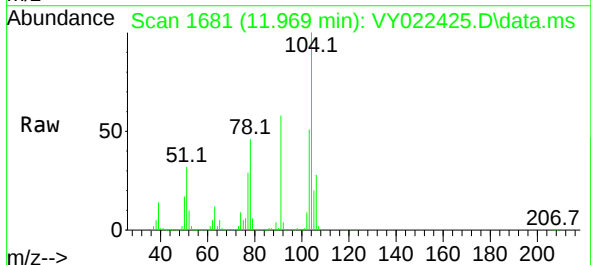
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

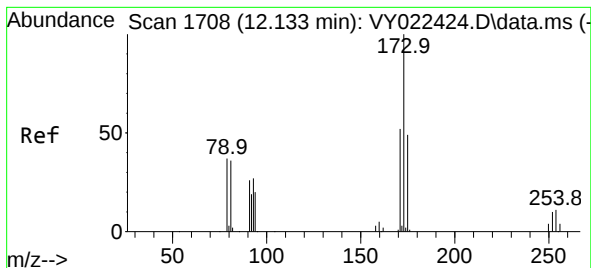
Tgt Ion:106 Resp: 559553  
Ion Ratio Lower Upper  
106 100  
91 212.1 106.3 318.9



#70  
Styrene  
Concen: 112.144 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion:104 Resp: 959318  
Ion Ratio Lower Upper  
104 100  
78 48.1 38.8 58.2  
103 54.6 43.4 65.2





#71

Bromoform

Concen: 108.623 ug/l

RT: 12.133 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

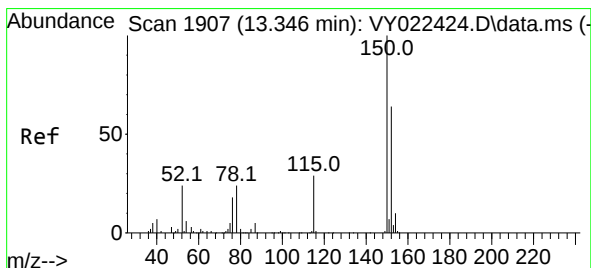
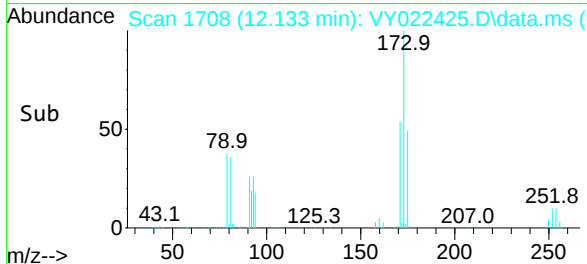
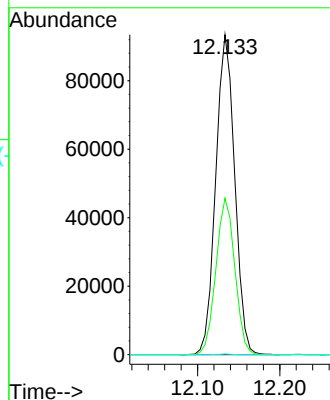
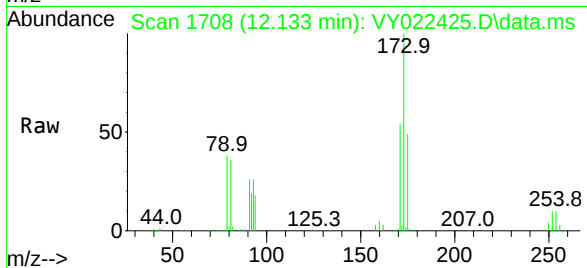
Tgt Ion:173 Resp: 149684

Ion Ratio Lower Upper

173 100

175 48.8 24.3 73.0

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

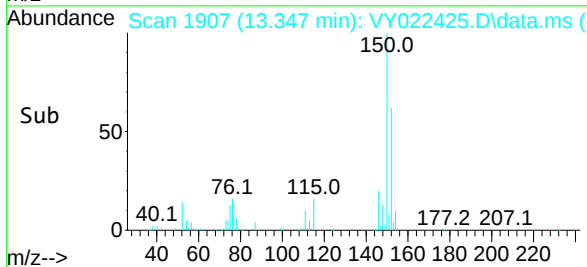
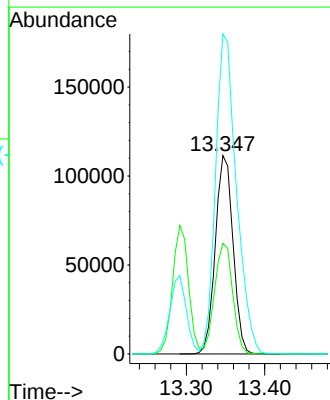
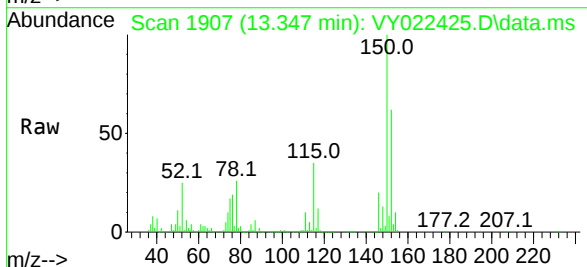
Tgt Ion:152 Resp: 175436

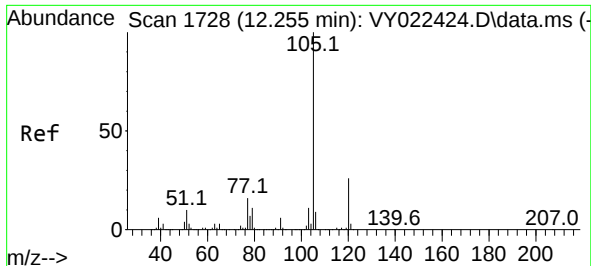
Ion Ratio Lower Upper

152 100

115 57.0 28.4 85.3

150 190.1 0.0 345.8

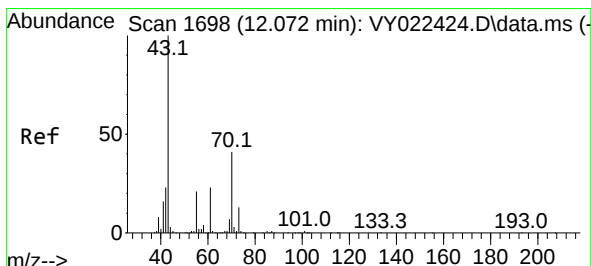
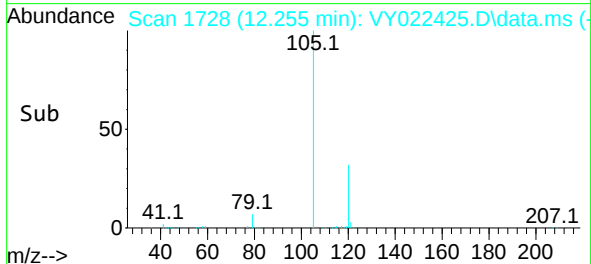
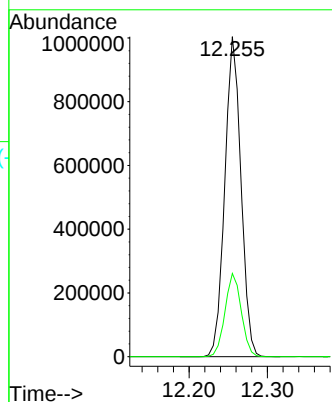
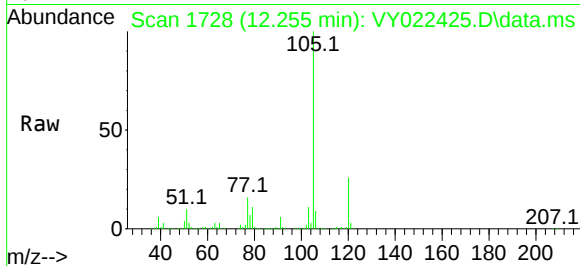




#73  
Isopropylbenzene  
Concen: 104.314 ug/l  
RT: 12.255 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

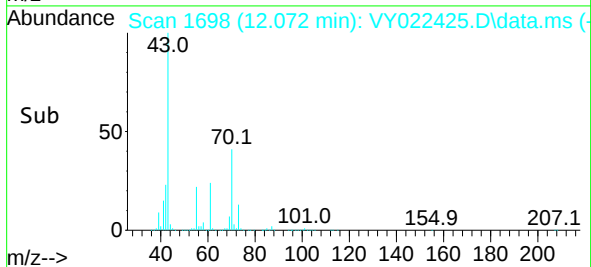
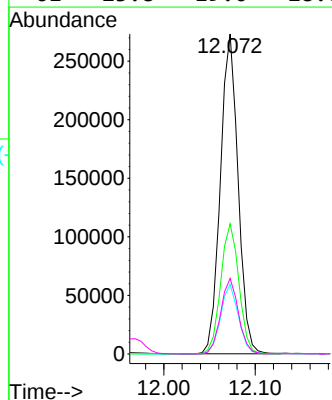
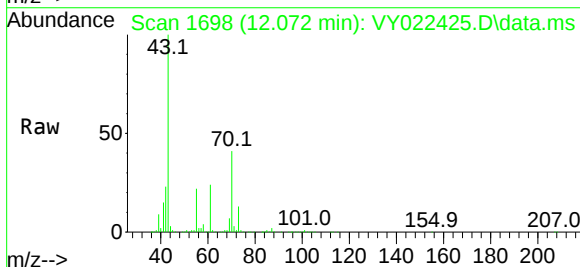
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

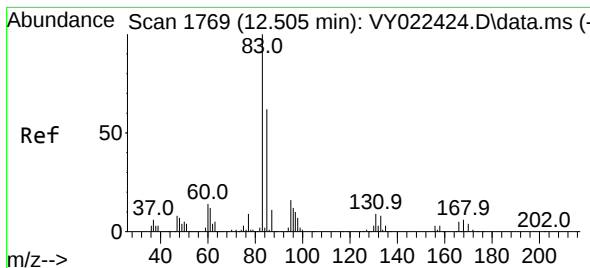
Tgt Ion:105 Resp: 1440314  
Ion Ratio Lower Upper  
105 100  
120 26.2 13.2 39.5



#74  
N-ethyl acetate  
Concen: 109.087 ug/l  
RT: 12.072 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 368563  
Ion Ratio Lower Upper  
43 100  
70 41.8 33.0 49.4  
55 21.8 17.5 26.3  
61 23.8 19.0 28.6

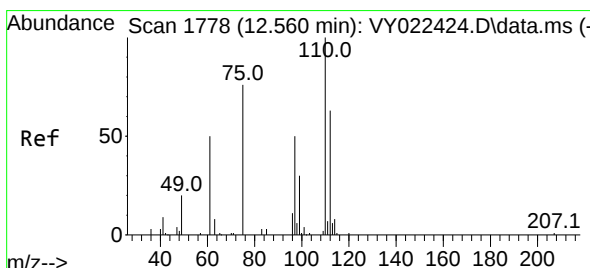
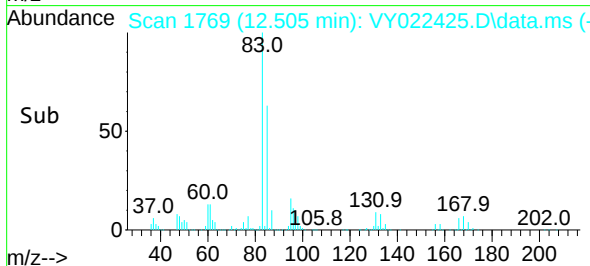
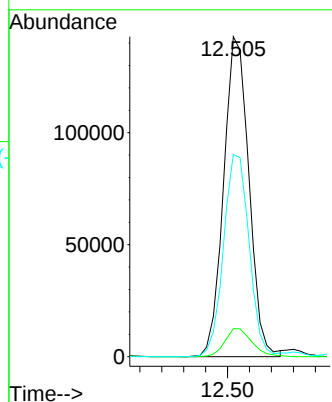
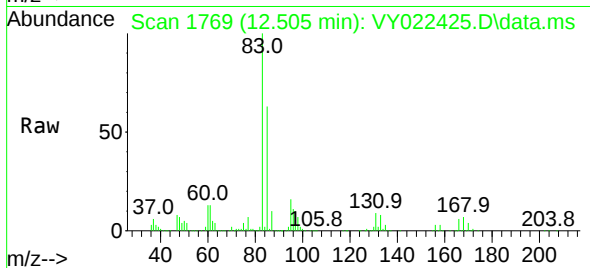




#75  
1,1,2,2-Tetrachloroethane  
Concen: 105.191 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

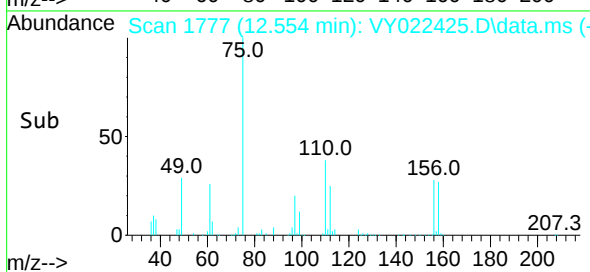
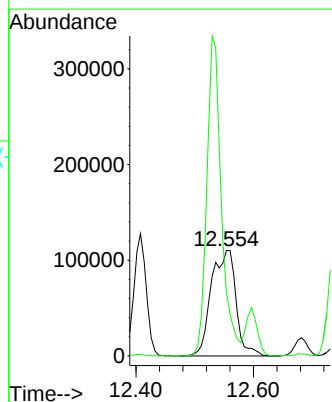
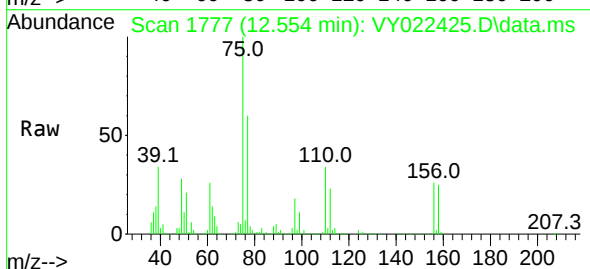
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

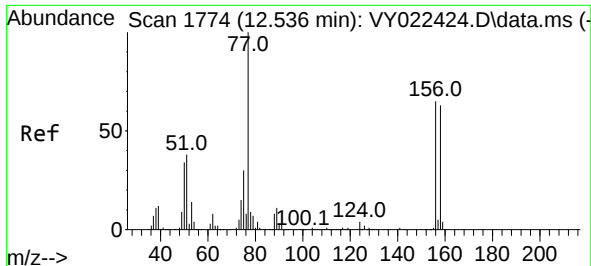
Tgt Ion: 83 Resp: 228832  
Ion Ratio Lower Upper  
83 100  
131 9.5 4.8 14.4  
85 64.1 32.0 96.2



#76  
1,2,3-Trichloropropane  
Concen: 183.252 ug/l  
RT: 12.554 min Scan# 1777  
Delta R.T. -0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 75 Resp: 322024  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

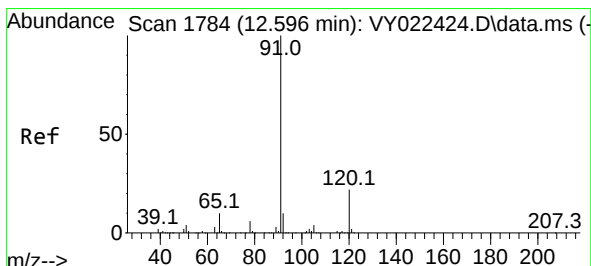
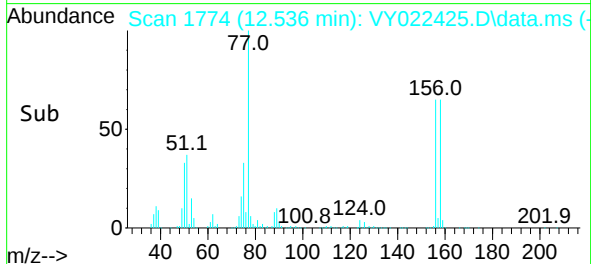
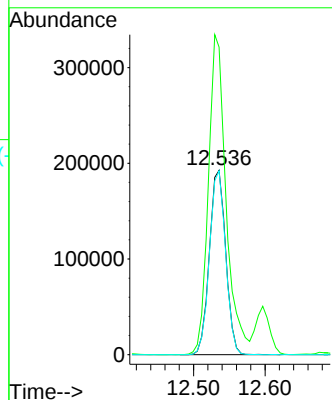
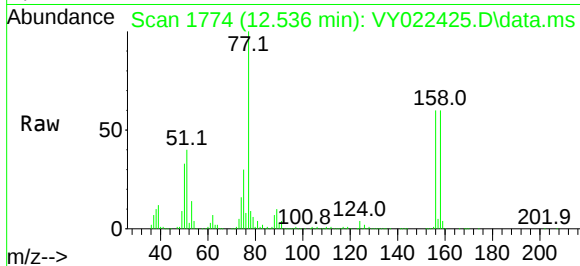




#77  
Bromobenzene  
Concen: 102.933 ug/l  
RT: 12.536 min Scan# 1774  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

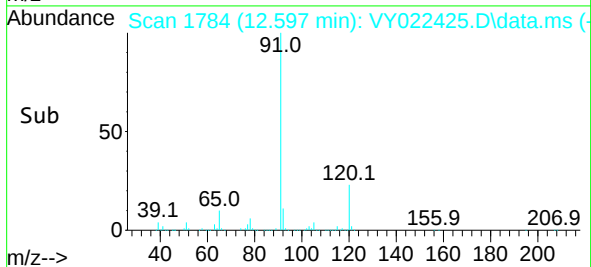
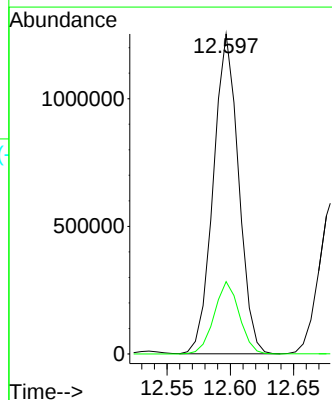
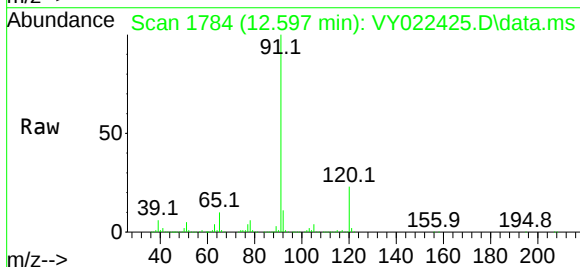
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

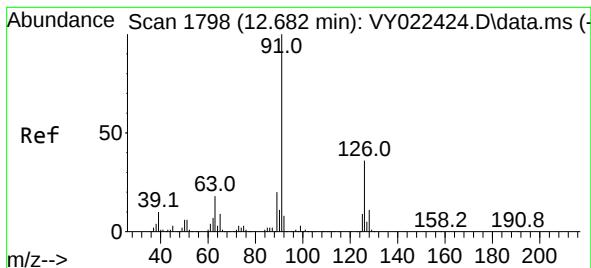
Tgt Ion:156 Resp: 305847  
Ion Ratio Lower Upper  
156 100  
77 188.3 91.4 274.2  
158 98.0 48.1 144.3



#78  
n-propylbenzene  
Concen: 104.859 ug/l  
RT: 12.597 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 91 Resp: 1737515  
Ion Ratio Lower Upper  
91 100  
120 22.5 11.2 33.5





#79

2-Chlorotoluene

Concen: 104.209 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

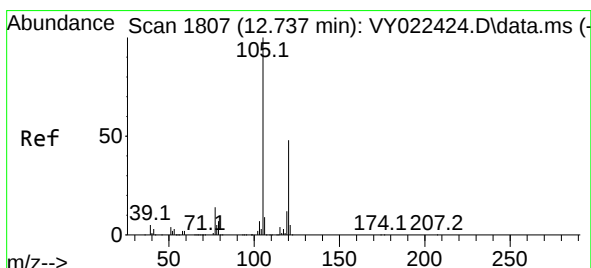
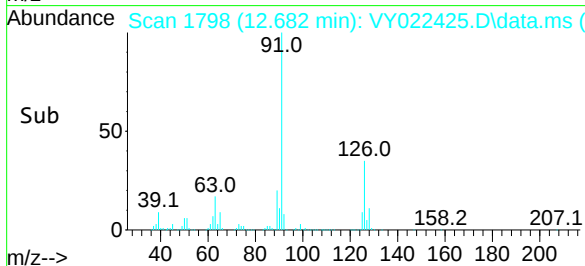
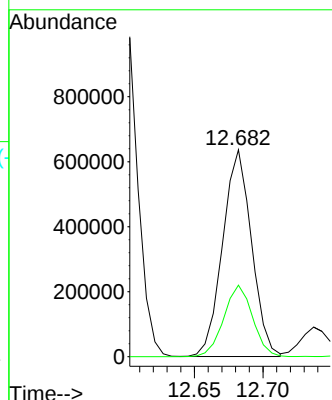
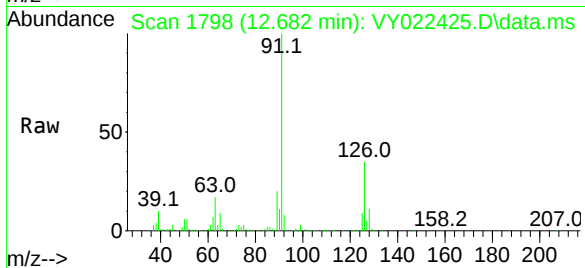
VSTDIC100

Tgt Ion: 91 Resp: 934717

Ion Ratio Lower Upper

91 100

126 34.4 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 105.961 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022425.D

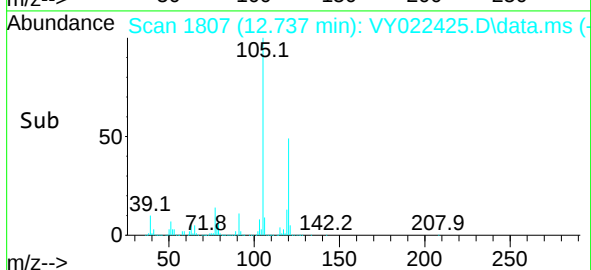
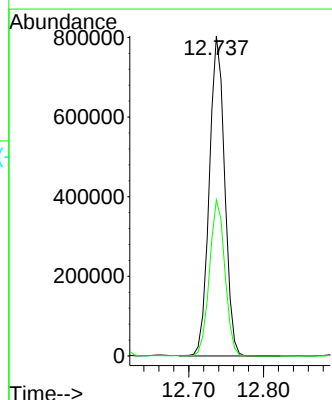
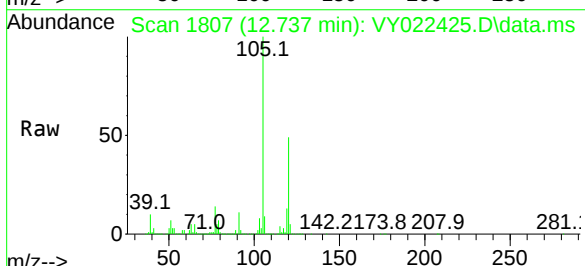
Acq: 27 May 2025 10:22

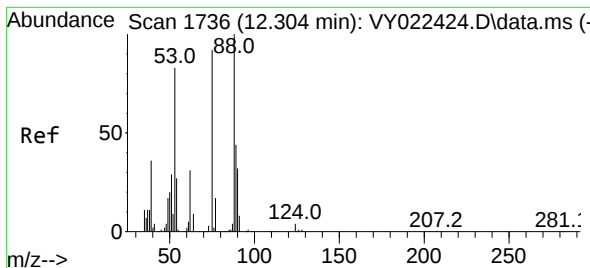
Tgt Ion: 105 Resp: 1143145

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0

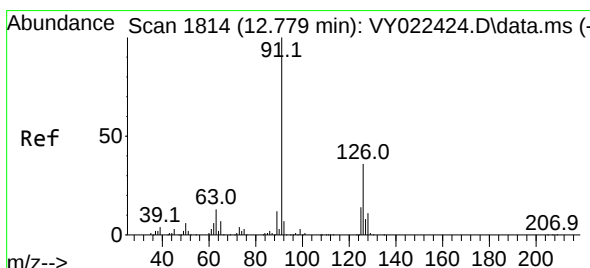
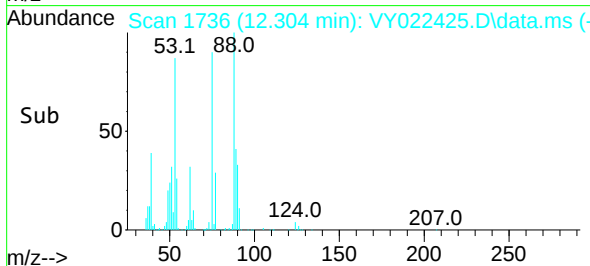
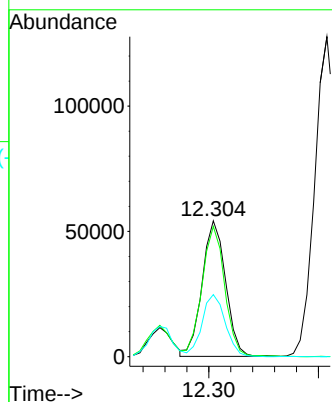
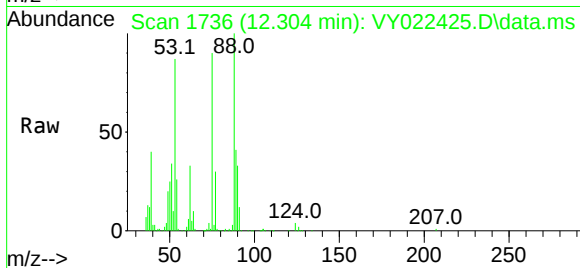




#81  
trans-1,4-Dichloro-2-butene  
Concen: 103.668 ug/l  
RT: 12.304 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

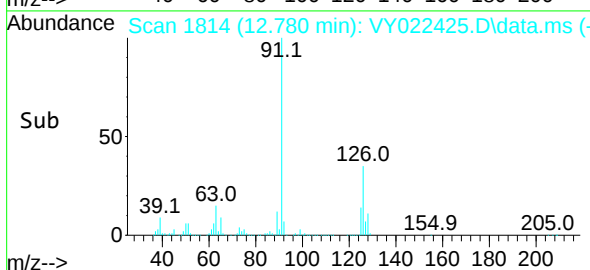
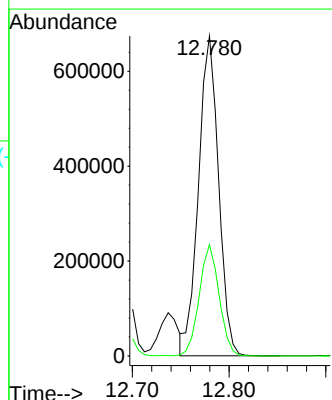
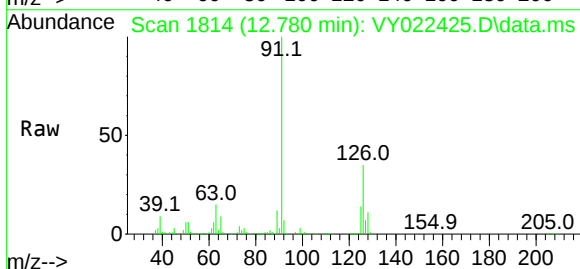
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

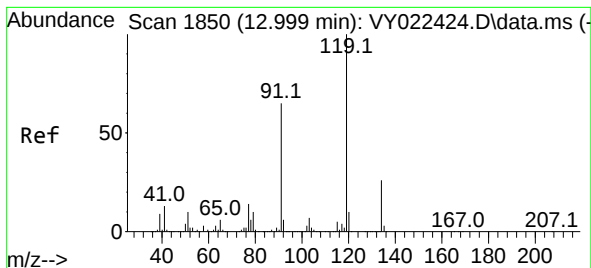
Tgt Ion: 75 Resp: 80556  
Ion Ratio Lower Upper  
75 100  
53 94.1 75.1 112.7  
89 45.2 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 105.314 ug/l  
RT: 12.780 min Scan# 1814  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 91 Resp: 972892  
Ion Ratio Lower Upper  
91 100  
126 34.6 17.2 51.6





#83

tert-Butylbenzene

Concen: 105.025 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

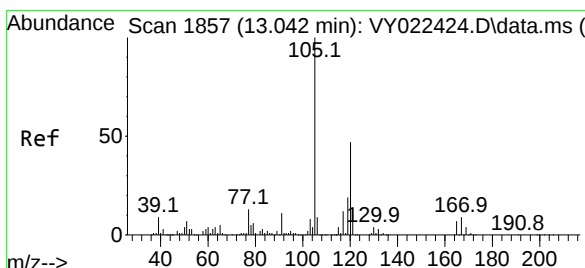
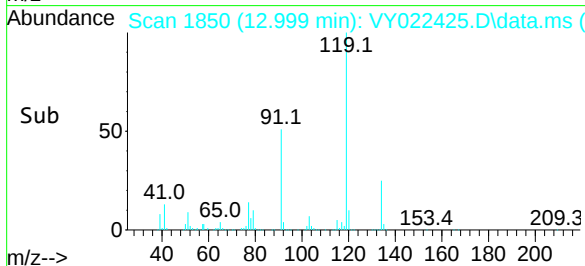
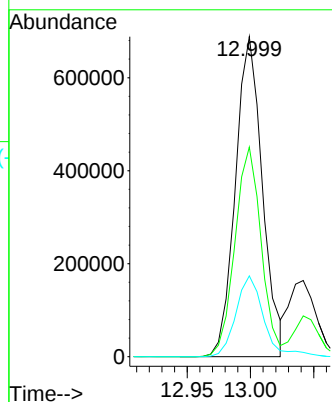
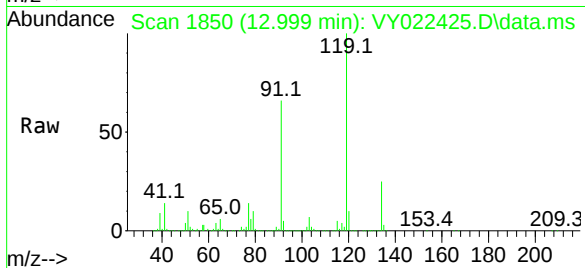
Tgt Ion:119 Resp: 1023704

Ion Ratio Lower Upper

119 100

91 63.5 31.8 95.3

134 26.0 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 106.843 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022425.D

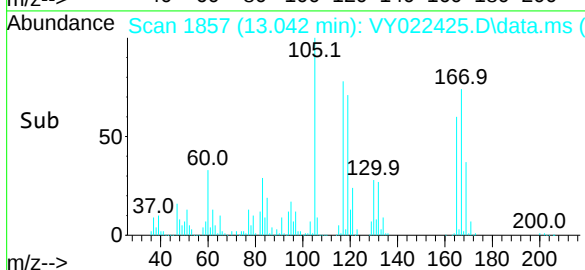
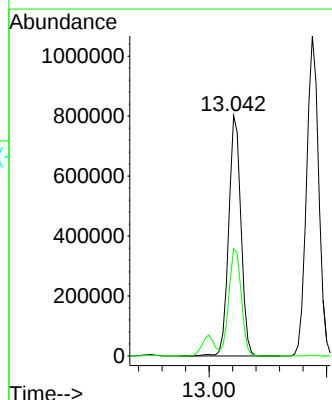
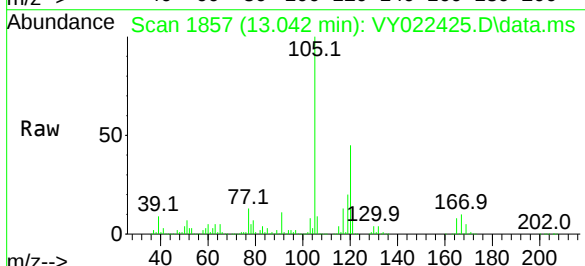
Acq: 27 May 2025 10:22

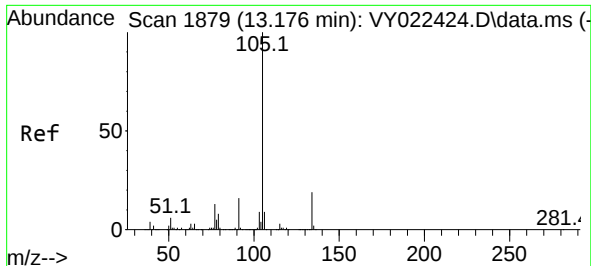
Tgt Ion:105 Resp: 1159943

Ion Ratio Lower Upper

105 100

120 45.3 22.9 68.5

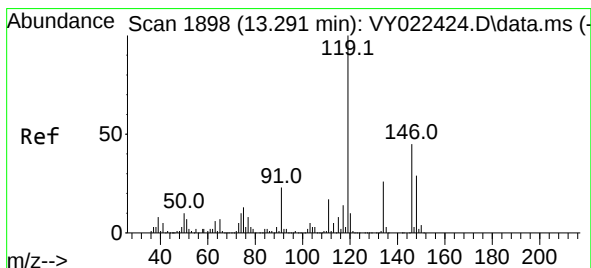
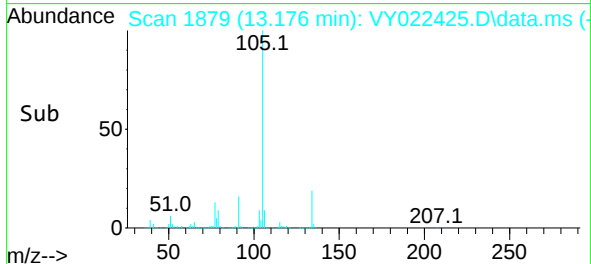
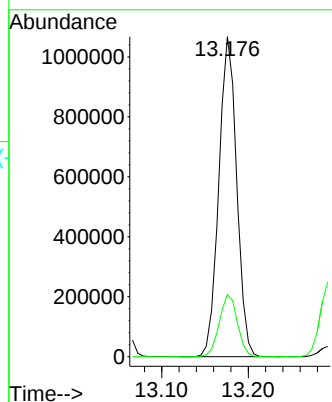
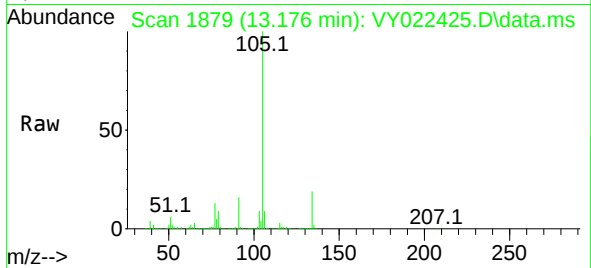




#85  
 sec-Butylbenzene  
 Concen: 105.741 ug/l  
 RT: 13.176 min Scan# 1879  
 Delta R.T. 0.000 min  
 Lab File: VY022425.D  
 Acq: 27 May 2025 10:22

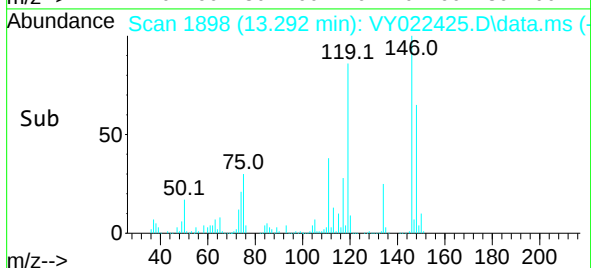
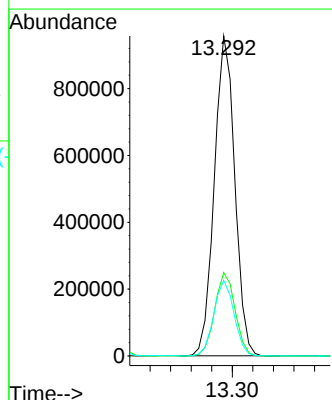
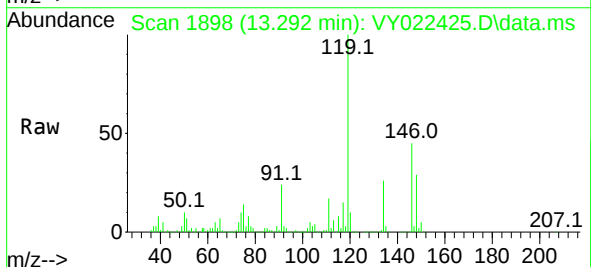
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

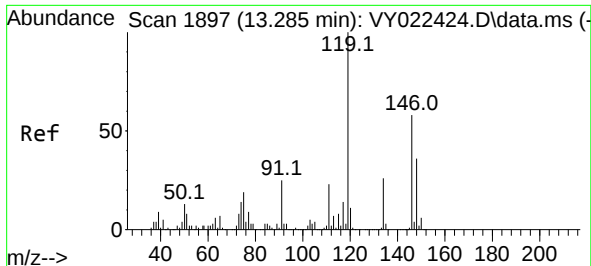
Tgt Ion:105 Resp: 1528524  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 109.402 ug/l  
 RT: 13.292 min Scan# 1898  
 Delta R.T. 0.000 min  
 Lab File: VY022425.D  
 Acq: 27 May 2025 10:22

Tgt Ion:119 Resp: 1320591  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 13.0 39.0  
 91 23.3 11.6 34.8

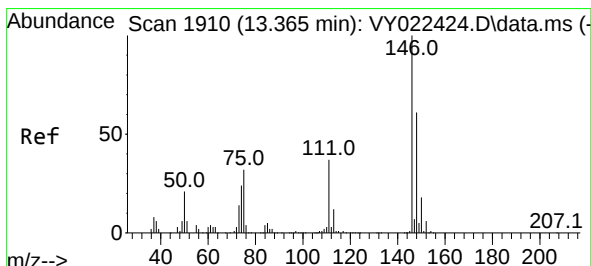
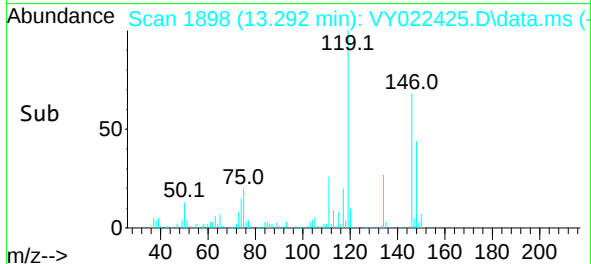
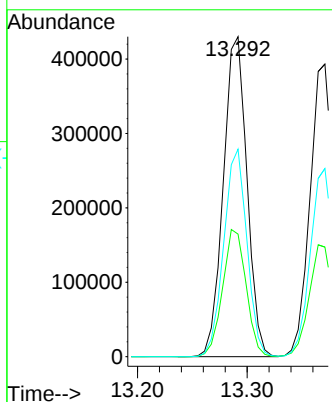
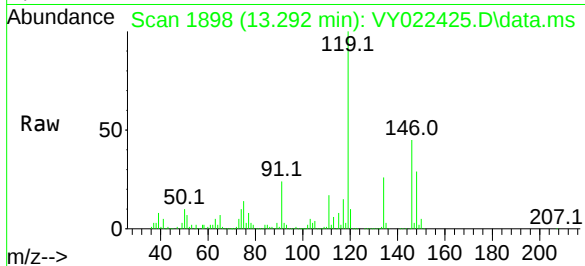




#87  
1,3-Dichlorobenzene  
Concen: 107.749 ug/l  
RT: 13.292 min Scan# 1898  
Delta R.T. 0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

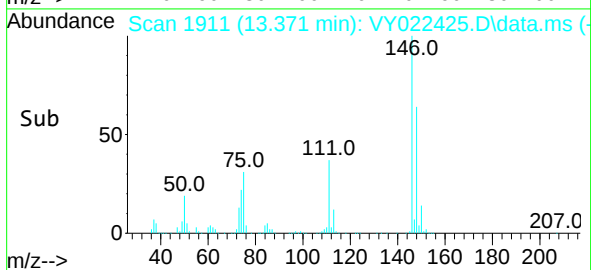
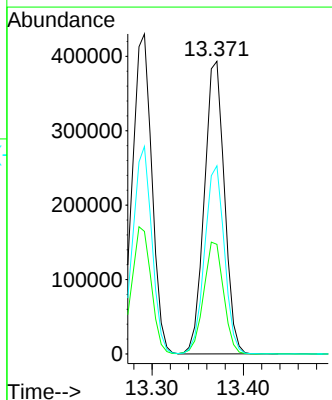
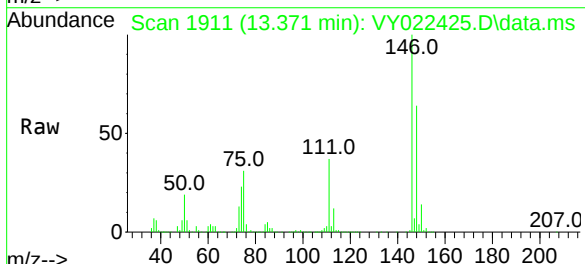
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

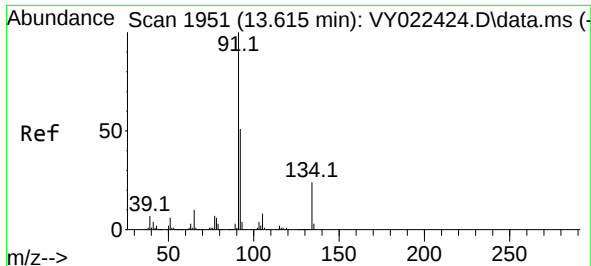
Tgt Ion:146 Resp: 644184  
Ion Ratio Lower Upper  
146 100  
111 39.5 19.6 58.8  
148 63.5 31.7 95.1



#88  
1,4-Dichlorobenzene  
Concen: 104.800 ug/l  
RT: 13.371 min Scan# 1911  
Delta R.T. 0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion:146 Resp: 599095  
Ion Ratio Lower Upper  
146 100  
111 38.0 18.7 56.1  
148 63.4 31.4 94.3

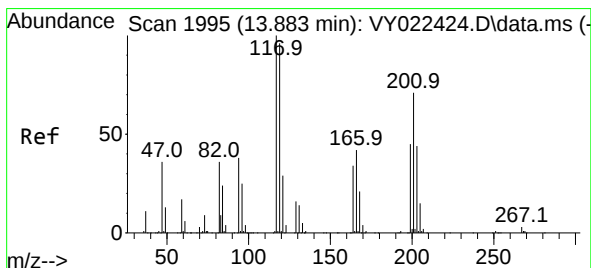
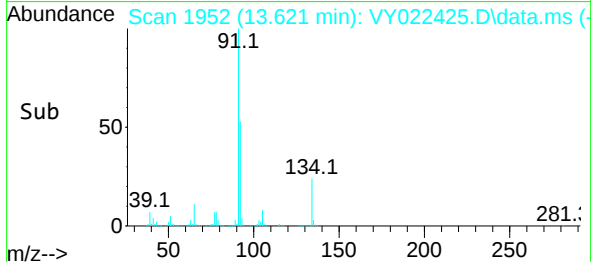
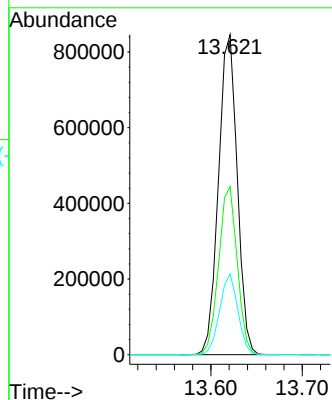
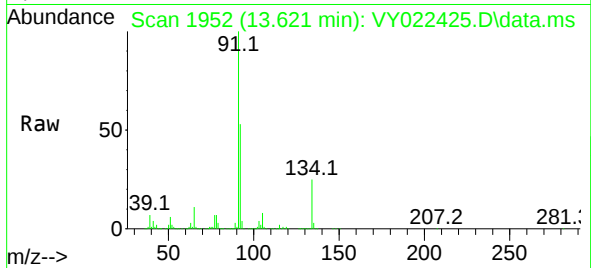




#89  
n-Butylbenzene  
Concen: 106.731 ug/l  
RT: 13.621 min Scan# 1952  
Delta R.T. 0.006 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

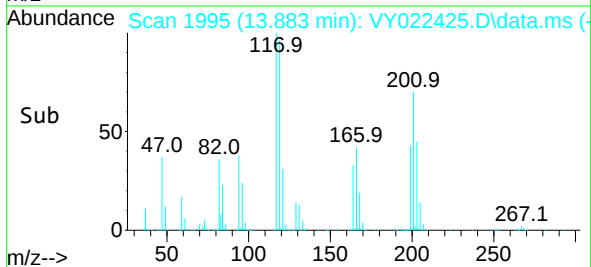
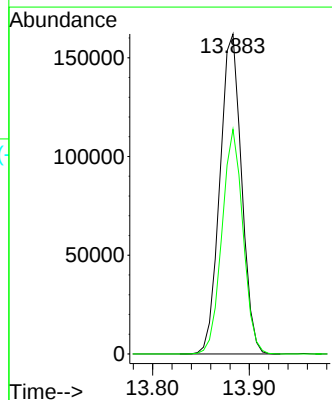
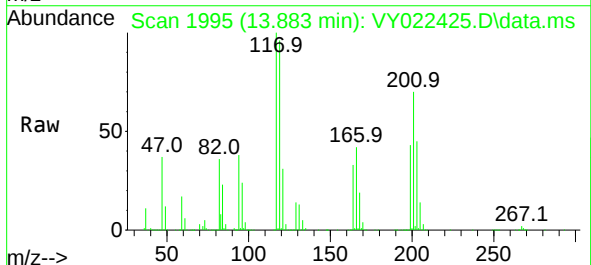
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

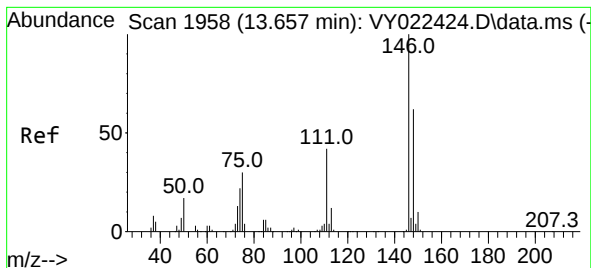
Tgt Ion: 91 Resp: 1207976  
Ion Ratio Lower Upper  
91 100  
92 52.2 25.9 77.6  
134 24.4 12.4 37.0



#90  
Hexachloroethane  
Concen: 104.776 ug/l  
RT: 13.883 min Scan# 1995  
Delta R.T. 0.000 min  
Lab File: VY022425.D  
Acq: 27 May 2025 10:22

Tgt Ion: 117 Resp: 251685  
Ion Ratio Lower Upper  
117 100  
201 68.2 35.0 105.0





#91

1,2-Dichlorobenzene

Concen: 105.034 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

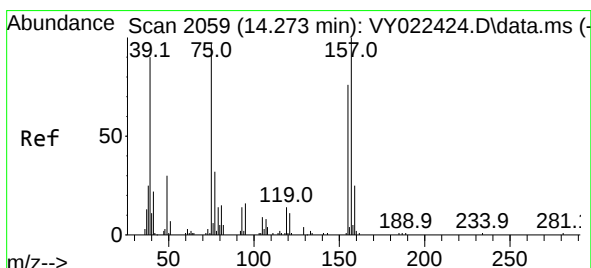
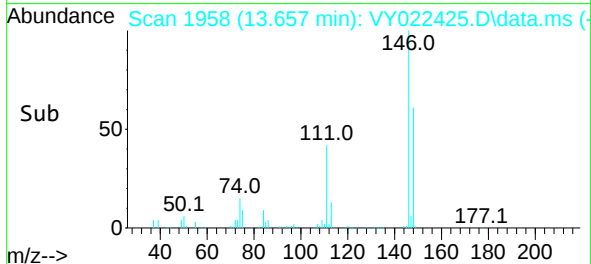
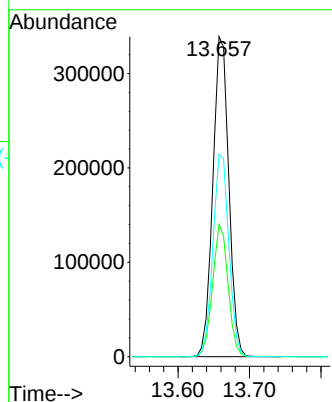
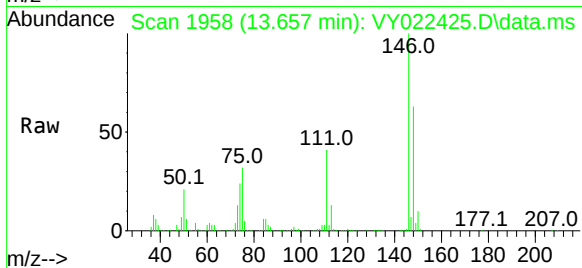
Tgt Ion:146 Resp: 524498

Ion Ratio Lower Upper

146 100

111 40.2 20.5 61.6

148 63.5 31.9 95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 97.318 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

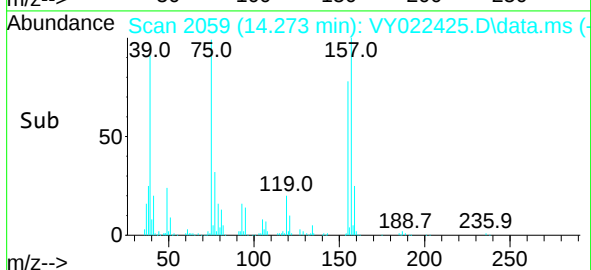
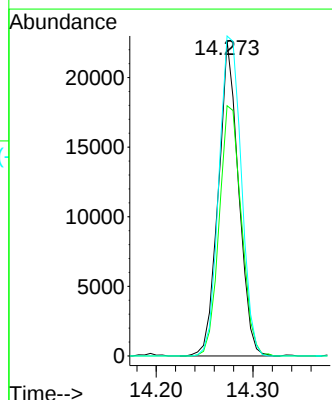
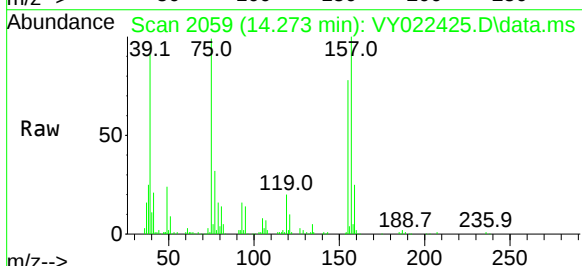
Tgt Ion: 75 Resp: 32714

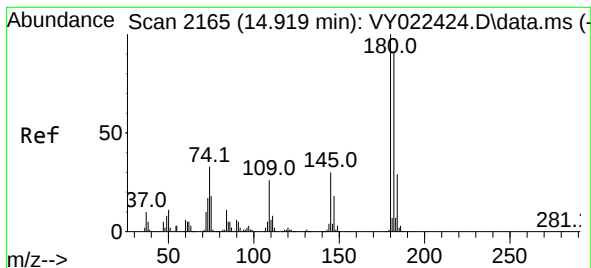
Ion Ratio Lower Upper

75 100

155 86.8 42.3 126.8

157 112.3 54.4 163.3





#93

1,2,4-Trichlorobenzene

Concen: 106.731 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

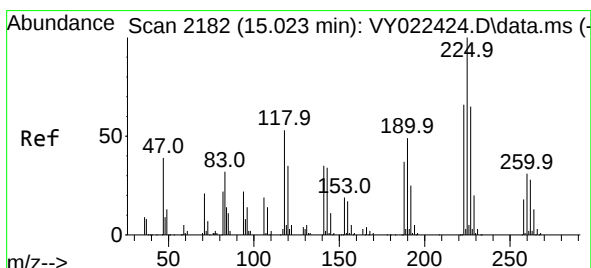
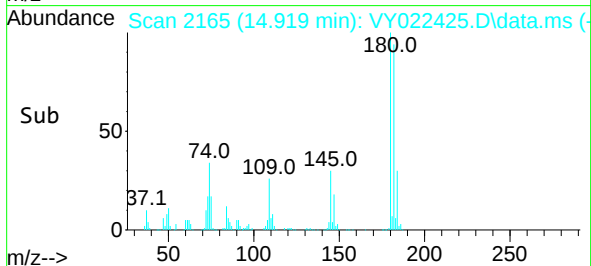
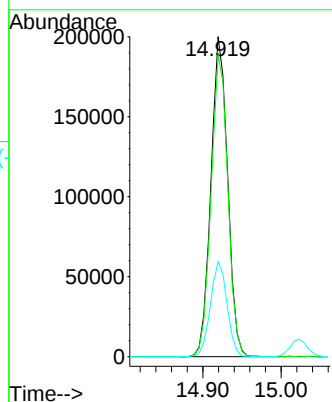
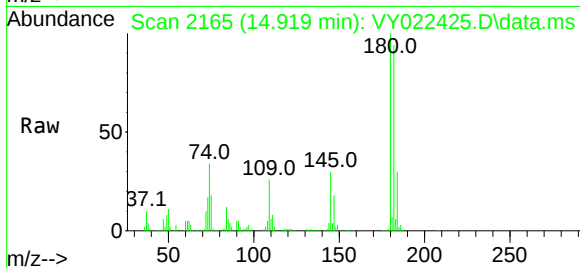
Tgt Ion:180 Resp: 295471

Ion Ratio Lower Upper

180 100

182 94.4 46.2 138.6

145 29.7 14.2 42.8



#94

Hexachlorobutadiene

Concen: 105.350 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

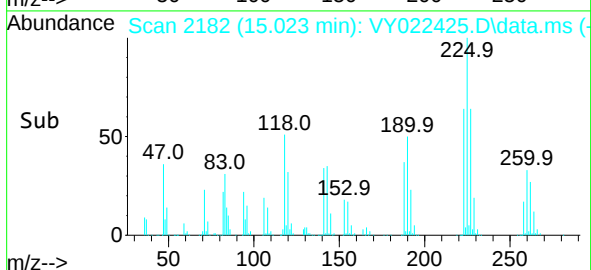
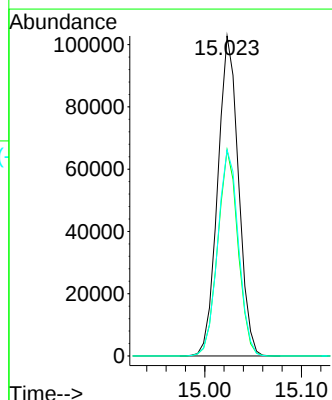
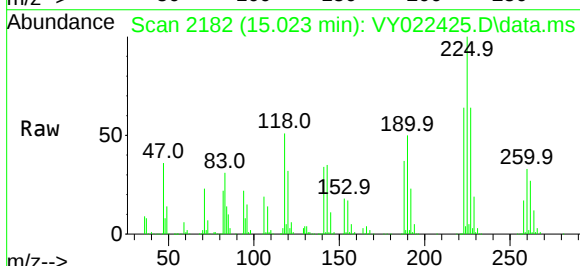
Tgt Ion:225 Resp: 153056

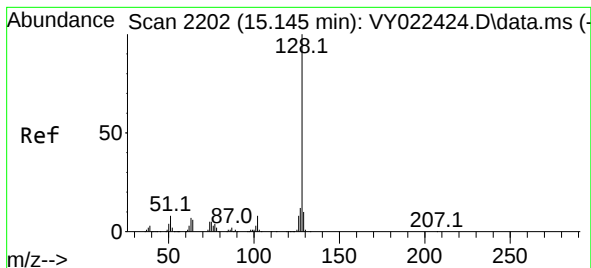
Ion Ratio Lower Upper

225 100

223 62.9 32.6 97.7

227 64.7 33.0 99.0





#95

Naphthalene

Concen: 111.021 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

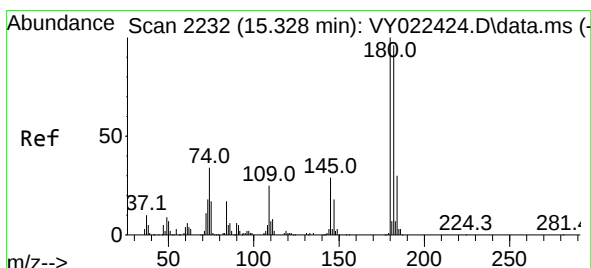
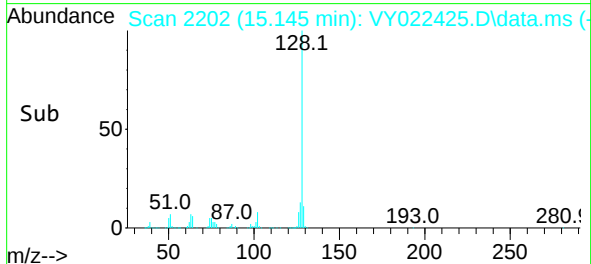
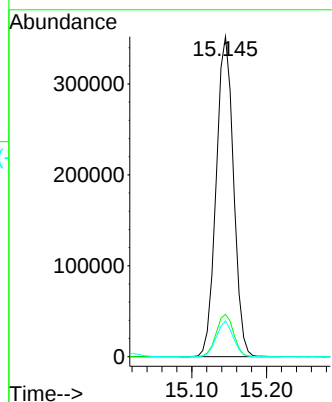
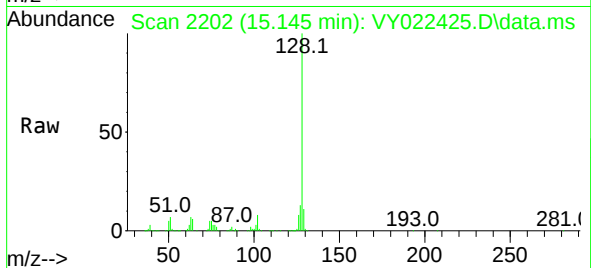
Tgt Ion:128 Resp: 568187

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 10.8 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 108.638 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022425.D

Acq: 27 May 2025 10:22

Tgt Ion:180 Resp: 246652

Ion Ratio Lower Upper

180 100

182 95.0 48.1 144.3

145 31.4 14.9 44.5

