

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081425\  
 Data File : VY023086.D  
 Acq On : 14 Aug 2025 11:22  
 Operator : SY/MD  
 Sample : VY0814SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

Quant Time: Aug 14 14:47:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 13 02:10:11 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 455827   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.609  | 114  | 734618   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 641778   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152  | 309825   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 218317   | 50.253   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 100.500% |      |
| 35) Dibromofluoromethane    | 7.634  | 113   | 220130   | 50.078   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 100.160% |      |
| 50) Toluene-d8              | 10.103 | 98    | 873299   | 50.855   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 101.720% |      |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 263190   | 47.657   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 95.320%  |      |

|                              |       |     |        |        |        |     |
|------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds             |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.861 | 85  | 74341  | 19.980 | ug/l   | 100 |
| 3) Chloromethane             | 2.068 | 50  | 139194 | 23.098 | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.202 | 62  | 172200 | 23.116 | ug/l   | 97  |
| 5) Bromomethane              | 2.586 | 94  | 129347 | 23.250 | ug/l   | 97  |
| 6) Chloroethane              | 2.726 | 64  | 116610 | 23.545 | ug/l   | 96  |
| 7) Trichlorofluoromethane    | 3.049 | 101 | 197599 | 21.815 | ug/l   | 99  |
| 8) Diethyl Ether             | 3.452 | 74  | 42819  | 17.867 | ug/l   | 93  |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 93242  | 20.865 | ug/l   | 98  |
| 10) Methyl Iodide            | 3.994 | 142 | 103105 | 21.381 | ug/l   | 99  |
| 11) Tert butyl alcohol       | 4.860 | 59  | 23075  | 77.519 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 3.781 | 96  | 87863  | 20.003 | ug/l   | 98  |
| 13) Acrolein                 | 3.647 | 56  | 34035  | 78.072 | ug/l   | 97  |
| 14) Allyl chloride           | 4.372 | 41  | 125844 | 19.470 | ug/l   | 97  |
| 15) Acrylonitrile            | 5.055 | 53  | 87301  | 89.605 | ug/l   | 98  |
| 16) Acetone                  | 3.866 | 43  | 88645  | 94.185 | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.098 | 76  | 295393 | 20.624 | ug/l   | 99  |
| 18) Methyl Acetate           | 4.385 | 43  | 49793  | 17.778 | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 204114 | 17.932 | ug/l   | 99  |
| 20) Methylene Chloride       | 4.610 | 84  | 107429 | 20.355 | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene | 5.110 | 96  | 99704  | 20.198 | ug/l   | 98  |
| 22) Diisopropyl ether        | 6.012 | 45  | 279897 | 19.929 | ug/l   | 96  |
| 23) Vinyl Acetate            | 5.957 | 43  | 703379 | 90.570 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 5.909 | 63  | 177456 | 20.666 | ug/l   | 100 |
| 25) 2-Butanone               | 6.890 | 43  | 113667 | 88.799 | ug/l   | 95  |
| 26) 2,2-Dichloropropane      | 6.878 | 77  | 150616 | 20.328 | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 6.884 | 96  | 114706 | 20.100 | ug/l   | 99  |
| 28) Bromochloromethane       | 7.244 | 49  | 69276  | 20.335 | ug/l   | 96  |
| 29) Tetrahydrofuran          | 7.262 | 42  | 67731  | 85.363 | ug/l   | 95  |
| 30) Chloroform               | 7.415 | 83  | 182352 | 20.591 | ug/l   | 96  |
| 31) Cyclohexane              | 7.695 | 56  | 156917 | 19.392 | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 161426 | 20.543 | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.829 | 75  | 131067 | 20.063 | ug/l   | 99  |
| 37) Ethyl Acetate            | 6.982 | 43  | 45793  | 16.687 | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 142349 | 20.062 | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.109 | 83  | 160783 | 18.690 | ug/l   | 97  |
| 40) Benzene                  | 8.073 | 78  | 408860 | 20.306 | ug/l   | 99  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081425\  
 Data File : VY023086.D  
 Acq On : 14 Aug 2025 11:22  
 Operator : SY/MD  
 Sample : VY0814SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

Quant Time: Aug 14 14:47:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 13 02:10:11 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.213  | 41   | 23134    | 14.607  | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.152  | 62   | 104577   | 19.970  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 95745    | 17.262  | ug/l   | 98       |
| 44) Trichloroethene           | 8.859  | 130  | 106605   | 20.488  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 95447    | 20.603  | ug/l   | 99       |
| 46) Dibromomethane            | 9.225  | 93   | 51967    | 19.543  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.420  | 83   | 137131   | 20.042  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 45987    | 17.327  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 10785    | 345.913 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43   | 238881   | 83.495  | ug/l   | 97       |
| 52) Toluene                   | 10.164 | 92   | 252944   | 19.780  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 114364   | 18.458  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 141980   | 19.379  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.566 | 97   | 66658    | 18.734  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 75122    | 16.500  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 114859   | 19.034  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 187201   | 87.167  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.755 | 43   | 159619   | 81.934  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.908 | 129  | 88354    | 18.819  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.011 | 107  | 61746    | 18.463  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.646 | 164  | 123429   | 21.538  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.438 | 112  | 272937   | 19.716  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131  | 93115    | 19.819  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.517 | 91   | 461952   | 19.391  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 362129   | 38.921  | ug/l   | 98       |
| 69) o-Xylene                  | 11.950 | 106  | 165485   | 18.990  | ug/l   | 97       |
| 70) Styrene                   | 11.963 | 104  | 273749   | 19.209  | ug/l   | 99       |
| 71) Bromoform                 | 12.127 | 173  | 49863    | 18.159  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.249 | 105  | 423027   | 19.345  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.066 | 43   | 78613    | 16.952  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.499 | 83   | 64150    | 17.181  | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 91421    | 30.574  | ug/l # | 100      |
| 77) Bromobenzene              | 12.529 | 156  | 100851   | 19.332  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.590 | 91   | 520711   | 20.001  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 297769   | 19.962  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.731 | 105  | 348710   | 19.731  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 21491    | 17.398  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 312655   | 20.205  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 12.993 | 119  | 303222   | 18.997  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.036 | 105  | 351003   | 19.952  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.170 | 105  | 458024   | 19.534  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.285 | 119  | 374466   | 19.240  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.279 | 146  | 200869   | 19.525  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.359 | 146  | 200293   | 19.626  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.615 | 91   | 344791   | 19.289  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 80689    | 20.252  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.651 | 146  | 172852   | 19.158  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.267 | 75   | 9872     | 16.982  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 14.913 | 180  | 93915    | 17.602  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.017 | 225  | 58299    | 18.595  | ug/l   | 98       |
| 95) Naphthalene               | 15.139 | 128  | 142271   | 15.638  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.322 | 180  | 79576    | 17.308  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081425\  
Data File : VY023086.D  
Acq On : 14 Aug 2025 11:22  
Operator : SY/MD  
Sample : VY0814SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

Quant Time: Aug 14 14:47:08 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 13 02:10:11 2025  
Response via : Initial Calibration

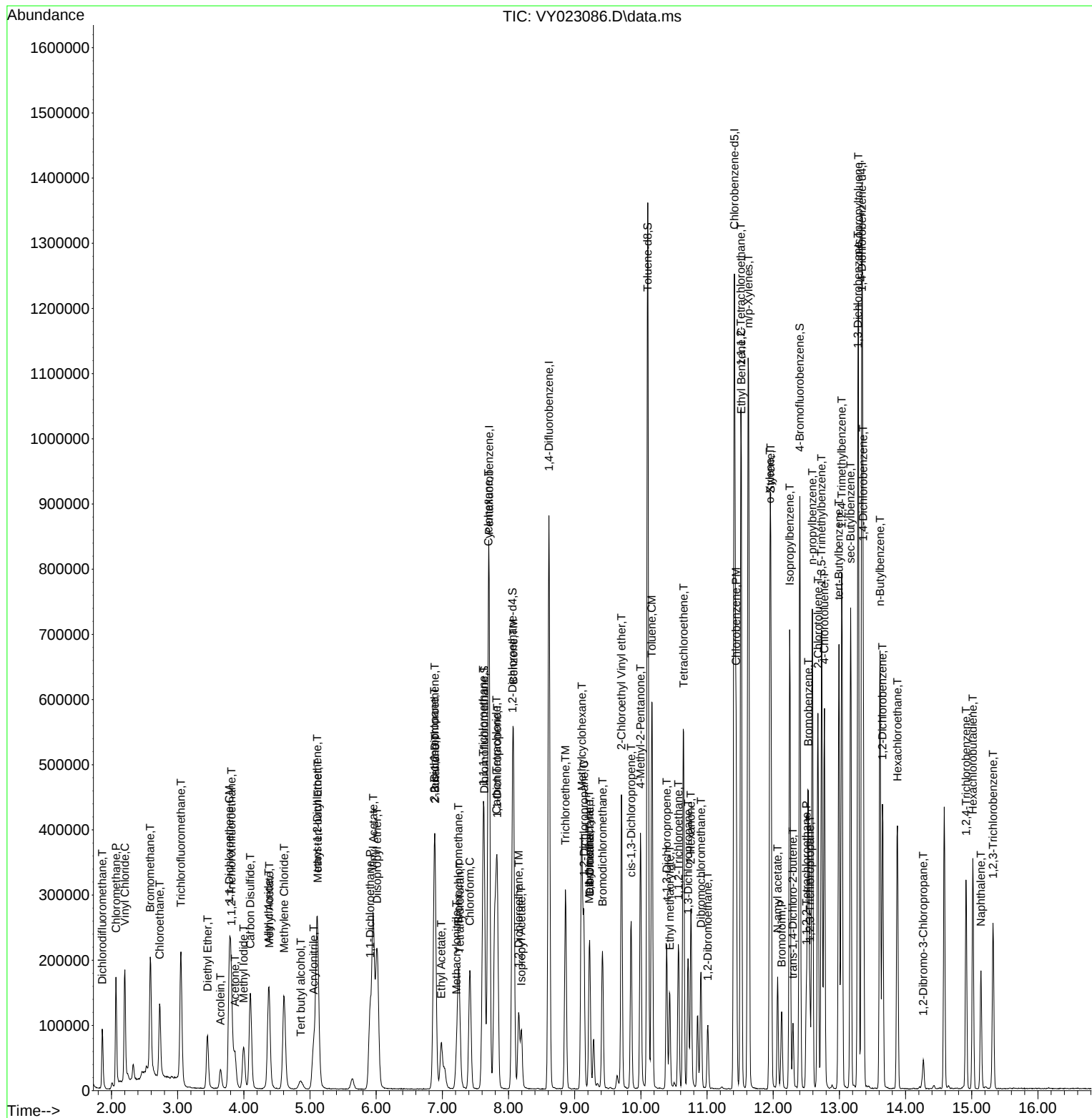
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

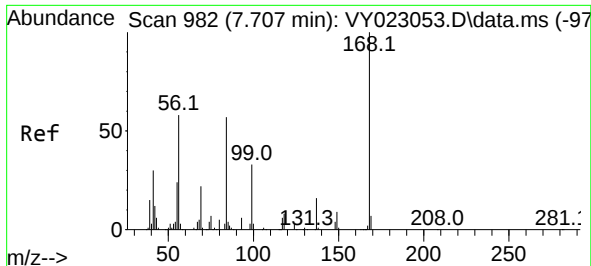
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081425\  
 Data File : VY023086.D  
 Acq On : 14 Aug 2025 11:22  
 Operator : SY/MD  
 Sample : VY0814SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

Quant Time: Aug 14 14:47:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 13 02:10:11 2025  
 Response via : Initial Calibration

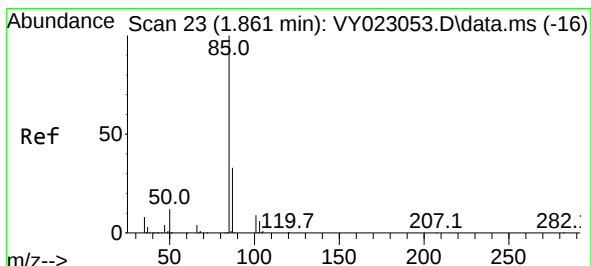
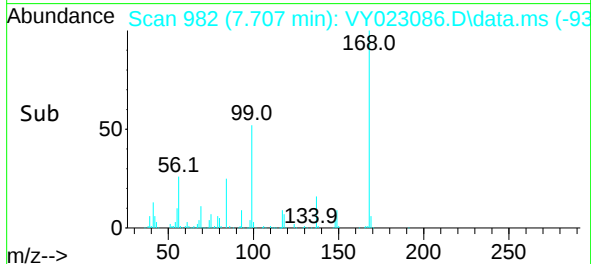
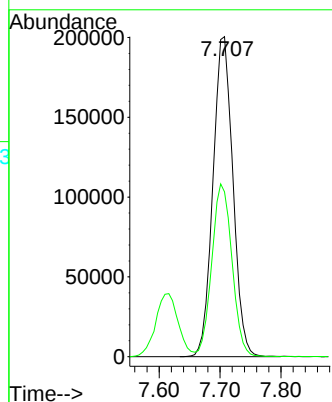
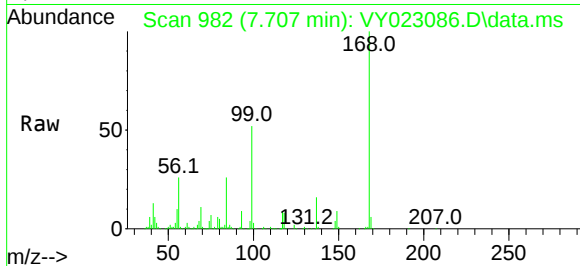




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

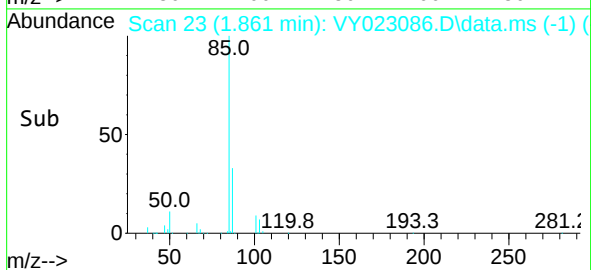
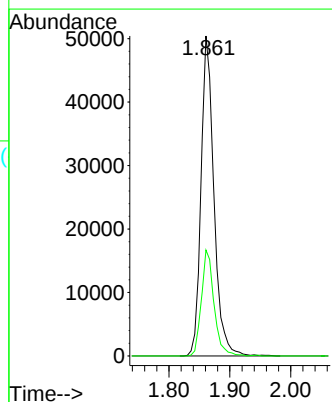
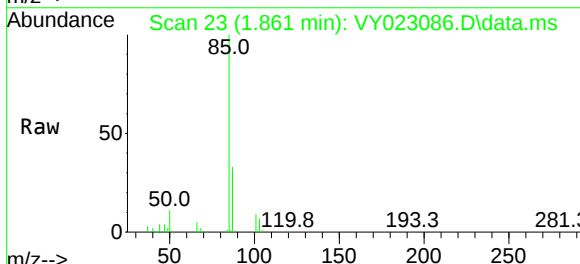
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

Tgt Ion:168 Resp: 455827  
Ion Ratio Lower Upper  
168 100  
99 51.4 42.8 64.2

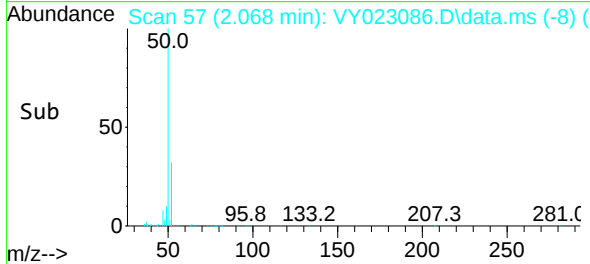
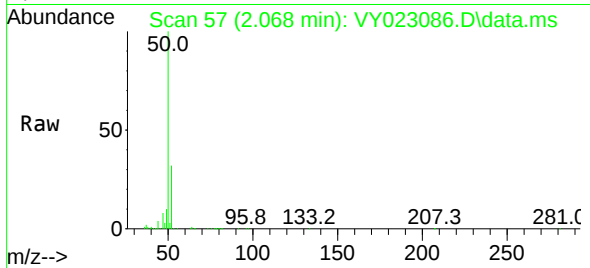
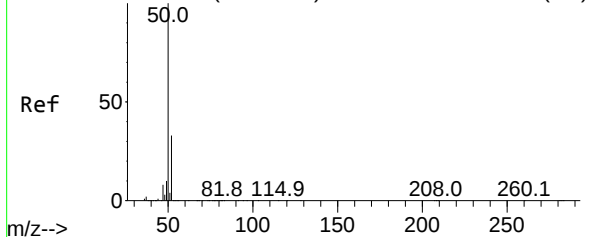


#2  
Dichlorodifluoromethane  
Concen: 19.980 ug/l  
RT: 1.861 min Scan# 23  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 85 Resp: 74341  
Ion Ratio Lower Upper  
85 100  
87 33.1 16.6 49.8



Abundance Scan 57 (2.068 min): VY023053.D\data.ms (-50)



#3

Chloromethane

Concen: 23.098 ug/l

RT: 2.068 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

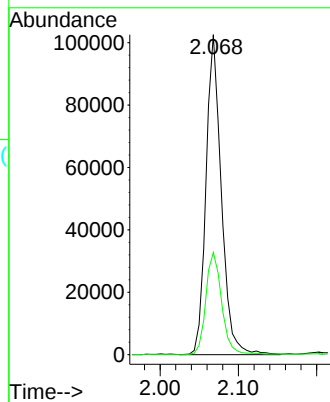
VY0814SBS01

Tgt Ion: 50 Resp: 139194

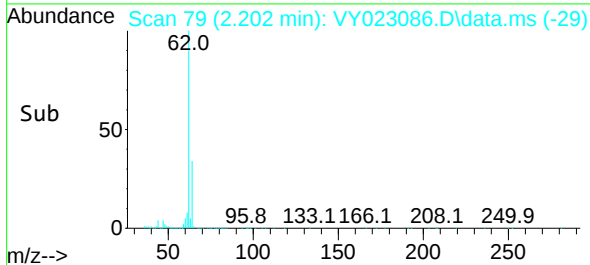
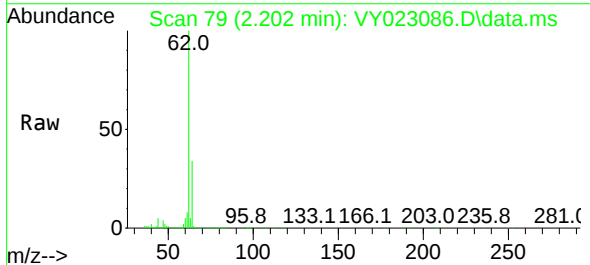
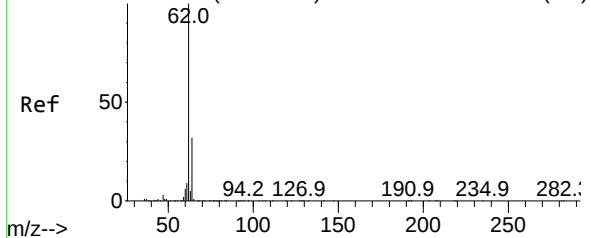
Ion Ratio Lower Upper

50 100

52 32.0 26.7 40.1



Abundance Scan 78 (2.196 min): VY023053.D\data.ms (-63)



#4

Vinyl Chloride

Concen: 23.116 ug/l

RT: 2.202 min Scan# 79

Delta R.T. 0.006 min

Lab File: VY023086.D

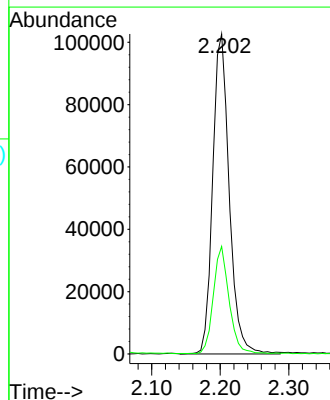
Acq: 14 Aug 2025 11:22

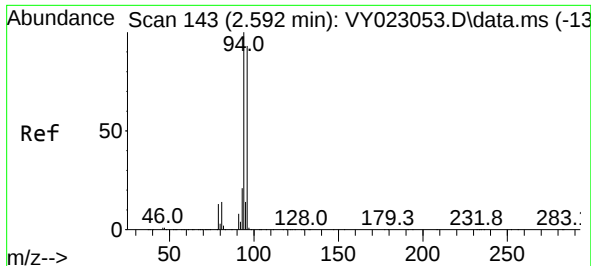
Tgt Ion: 62 Resp: 172200

Ion Ratio Lower Upper

62 100

64 33.4 25.4 38.0

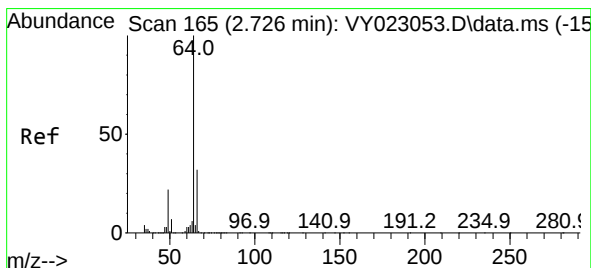
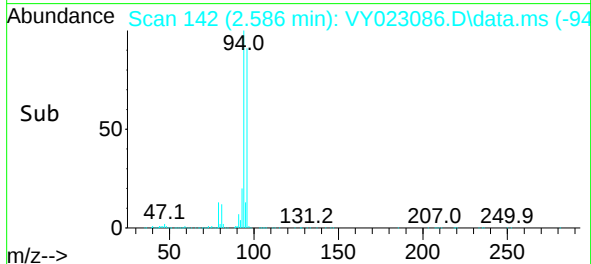
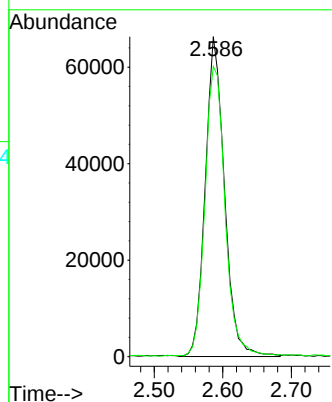
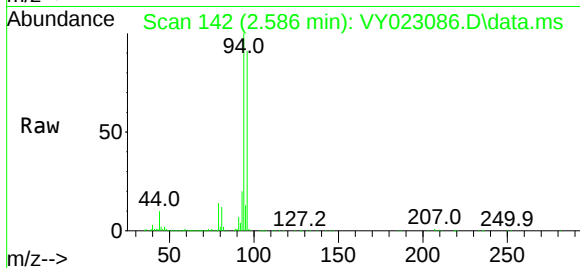




#5  
Bromomethane  
Concen: 23.250 ug/l  
RT: 2.586 min Scan# 143  
Delta R.T. -0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

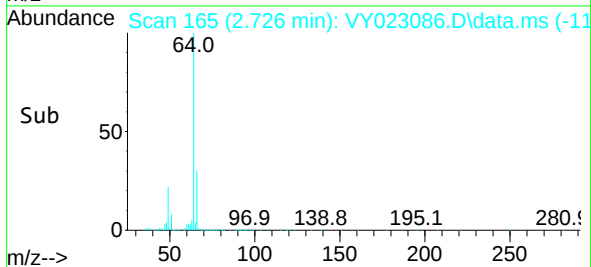
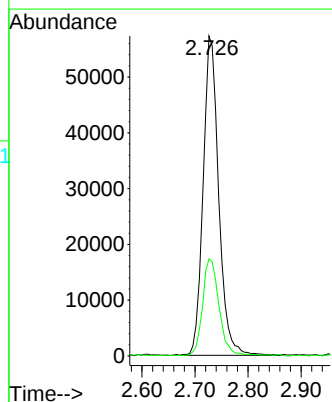
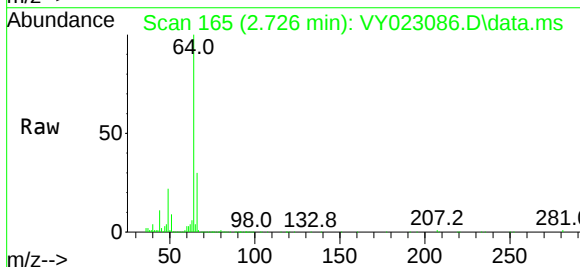
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

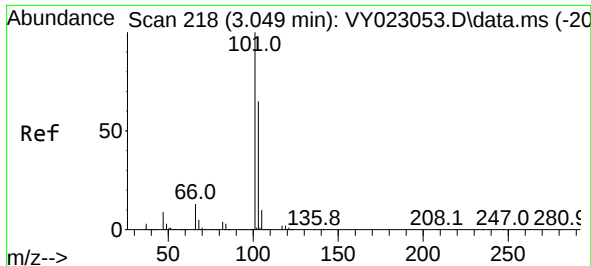
Tgt Ion: 94 Resp: 129347  
Ion Ratio Lower Upper  
94 100  
96 90.4 74.6 112.0



#6  
Chloroethane  
Concen: 23.545 ug/l  
RT: 2.726 min Scan# 165  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 64 Resp: 116610  
Ion Ratio Lower Upper  
64 100  
66 30.2 25.8 38.6

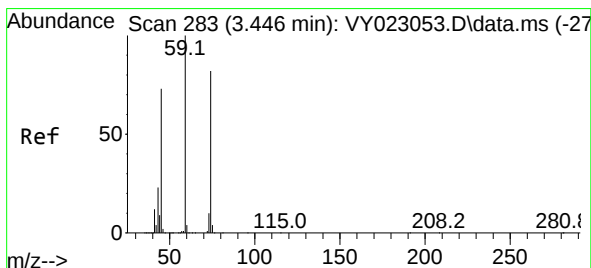
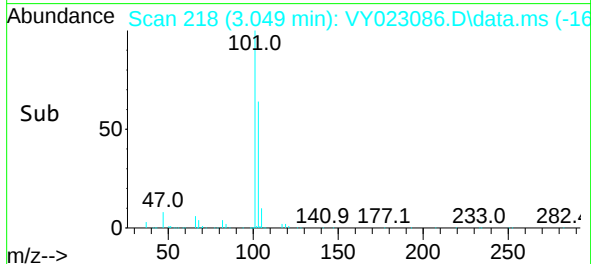
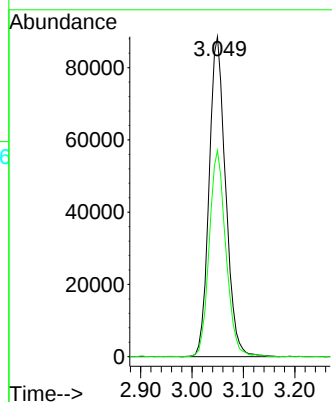
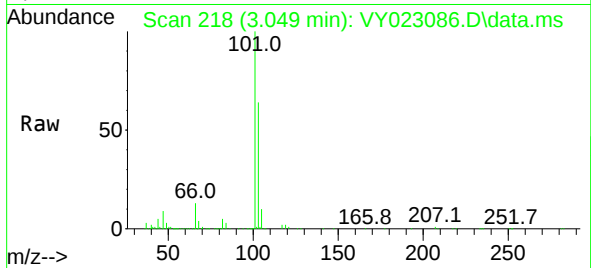




#7  
Trichlorofluoromethane  
Concen: 21.815 ug/l  
RT: 3.049 min Scan# 218  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

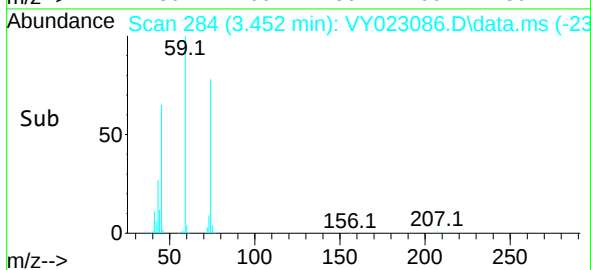
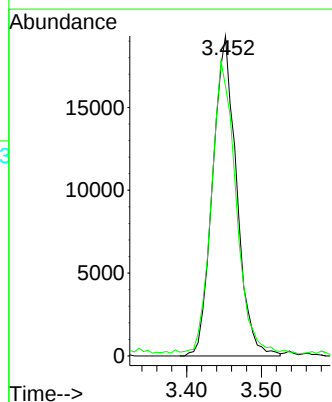
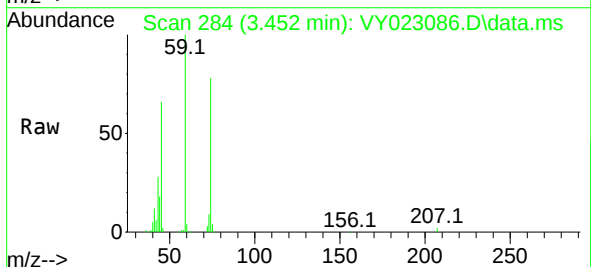
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

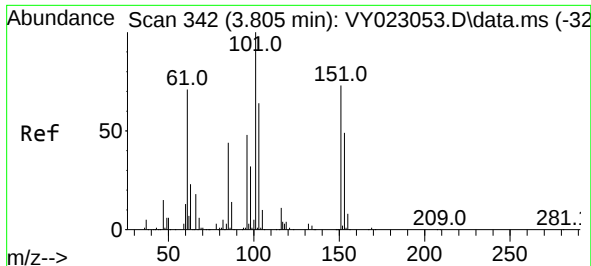
Tgt Ion:101 Resp: 197599  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.9 77.9



#8  
Diethyl Ether  
Concen: 17.867 ug/l  
RT: 3.452 min Scan# 284  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 74 Resp: 42819  
Ion Ratio Lower Upper  
74 100  
45 94.9 44.4 133.2

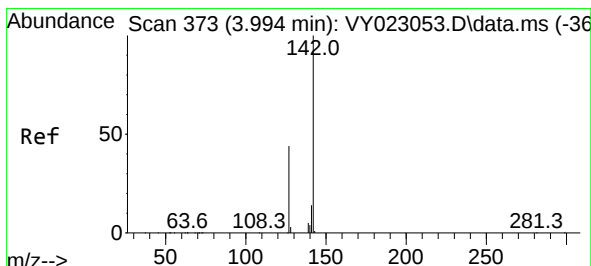
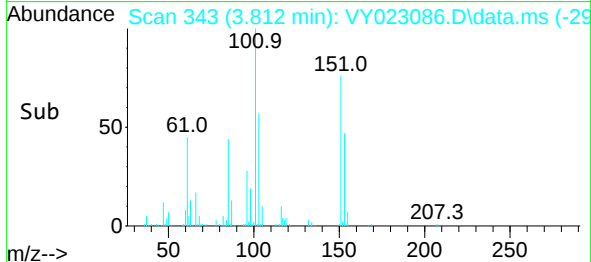
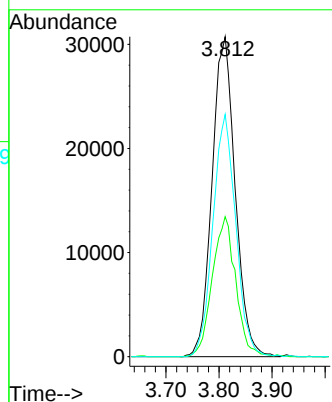
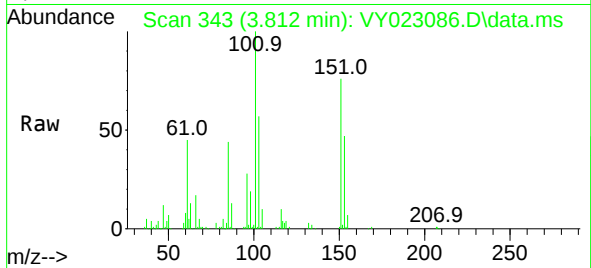




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.865 ug/l  
RT: 3.812 min Scan# 342  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

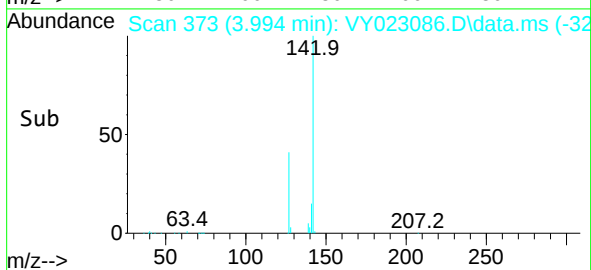
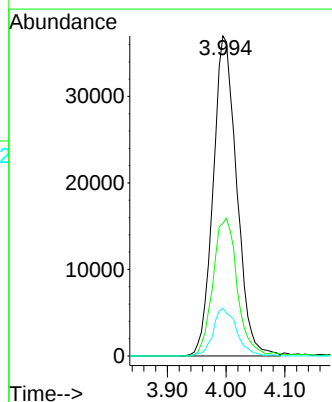
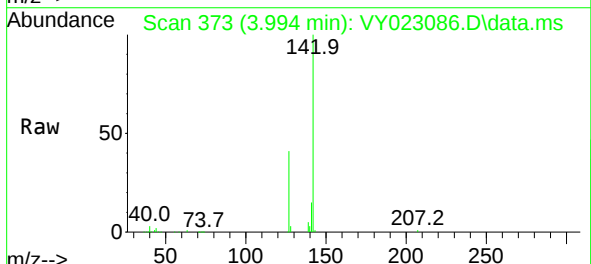
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

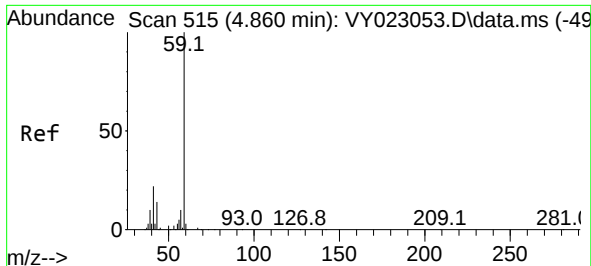
Tgt Ion:101 Resp: 93242  
Ion Ratio Lower Upper  
101 100  
85 44.2 36.3 54.5  
151 75.1 61.5 92.3



#10  
Methyl Iodide  
Concen: 21.381 ug/l  
RT: 3.994 min Scan# 373  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion:142 Resp: 103105  
Ion Ratio Lower Upper  
142 100  
127 44.3 34.9 52.3  
141 14.8 11.3 16.9

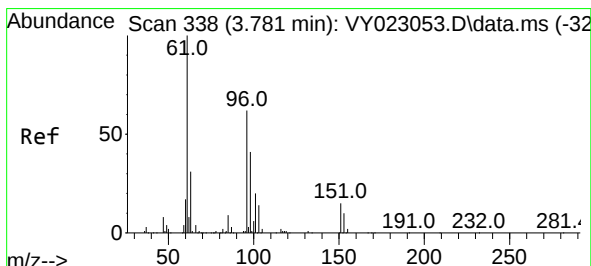
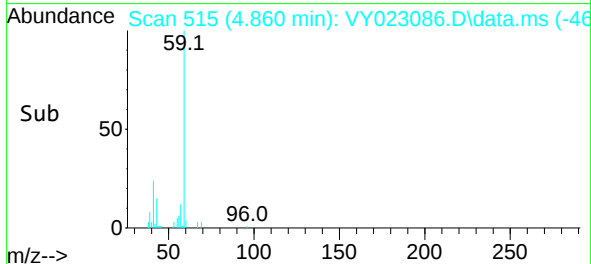
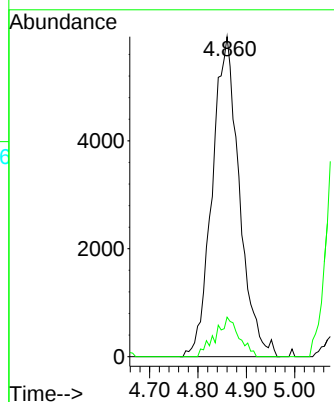
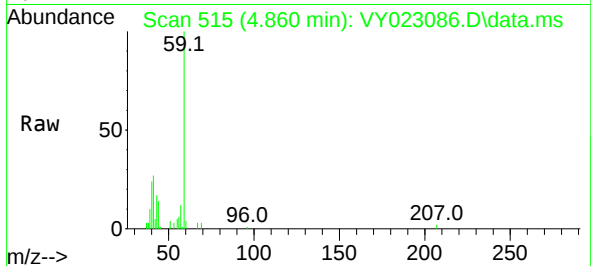




#11  
Tert butyl alcohol  
Concen: 77.519 ug/l  
RT: 4.860 min Scan# 515  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

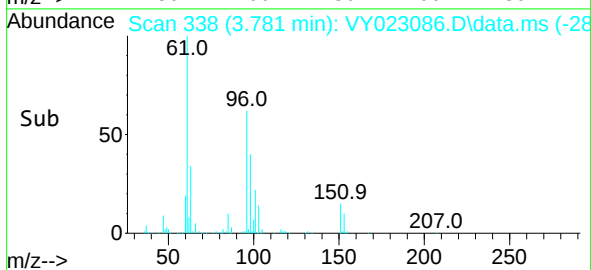
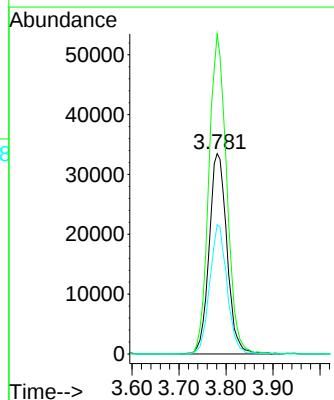
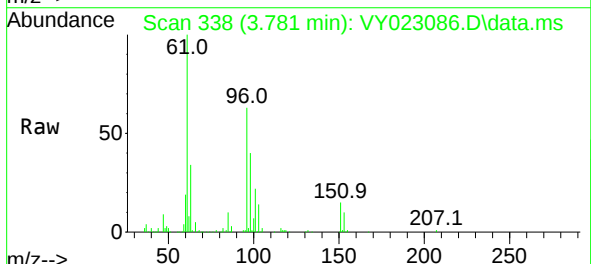
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

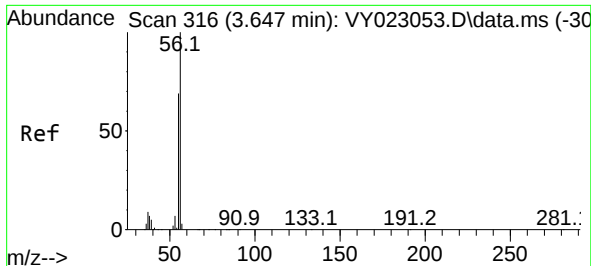
Tgt Ion: 59 Resp: 23075  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.6 13.0



#12  
1,1-Dichloroethene  
Concen: 20.003 ug/l  
RT: 3.781 min Scan# 338  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 96 Resp: 87863  
Ion Ratio Lower Upper  
96 100  
61 159.8 129.4 194.2  
98 64.5 52.8 79.2

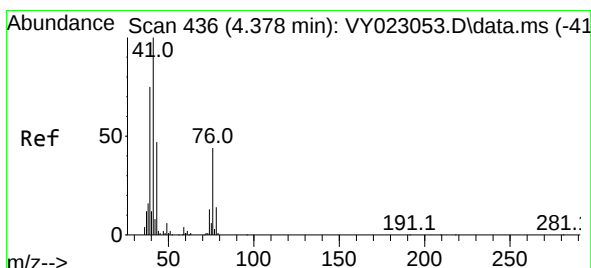
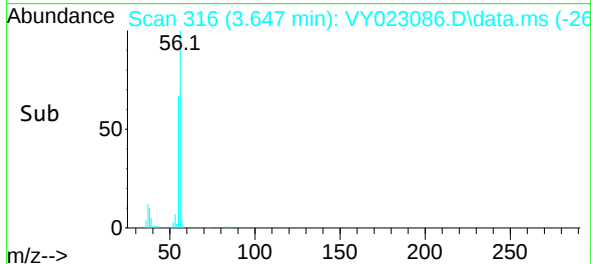
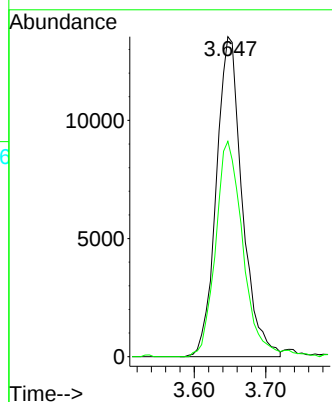
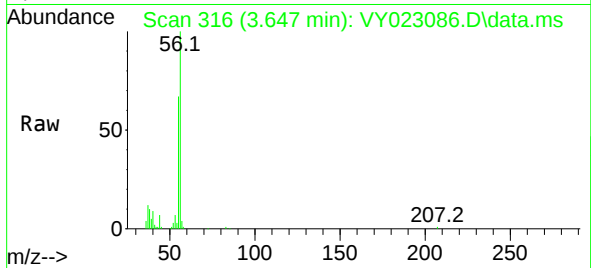




#13  
Acrolein  
Concen: 78.072 ug/l  
RT: 3.647 min Scan# 316  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

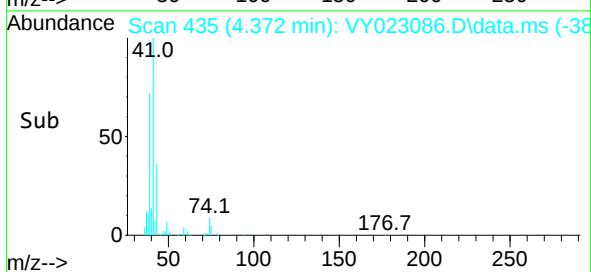
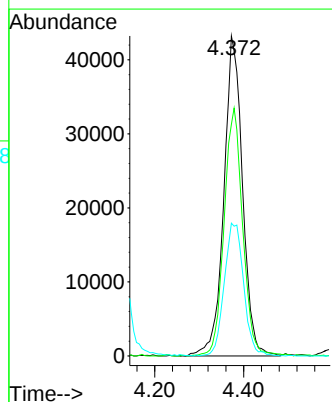
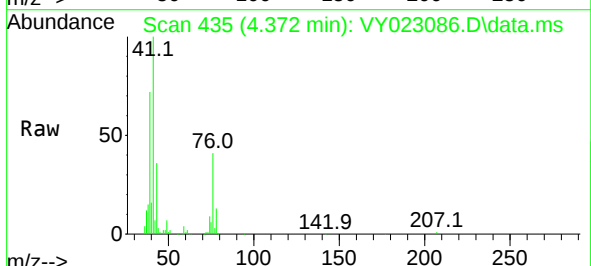
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

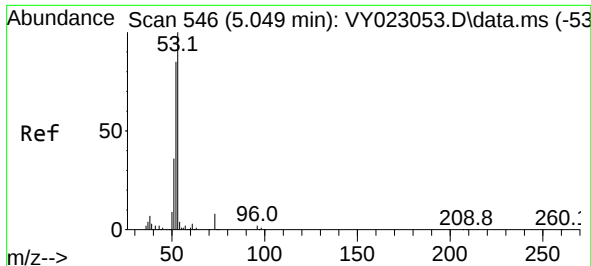
Tgt Ion: 56 Resp: 34035  
Ion Ratio Lower Upper  
56 100  
55 71.6 55.2 82.8



#14  
Allyl chloride  
Concen: 19.470 ug/l  
RT: 4.372 min Scan# 435  
Delta R.T. -0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 41 Resp: 125844  
Ion Ratio Lower Upper  
41 100  
39 77.3 59.8 89.6  
76 43.1 33.7 50.5

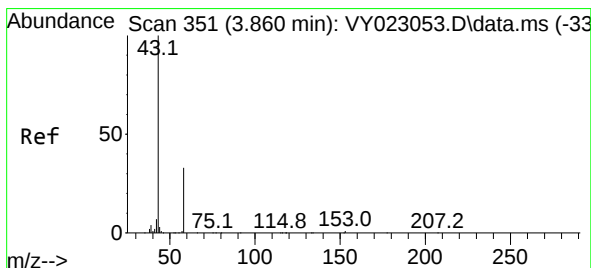
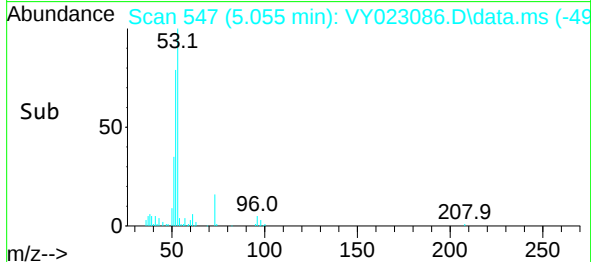
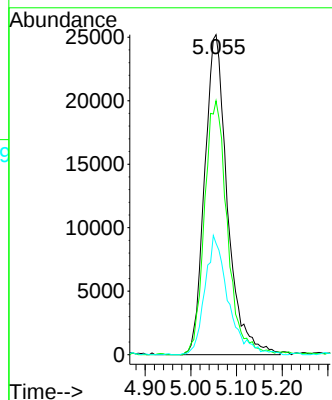
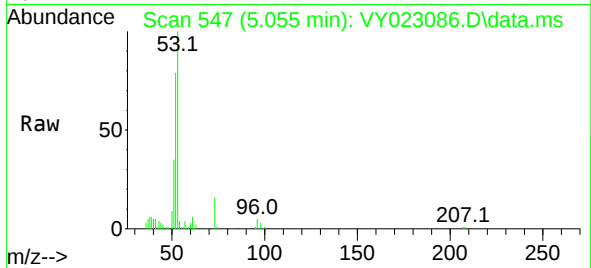




#15  
Acrylonitrile  
Concen: 89.605 ug/l  
RT: 5.055 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

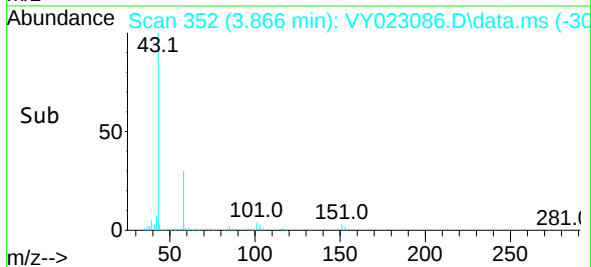
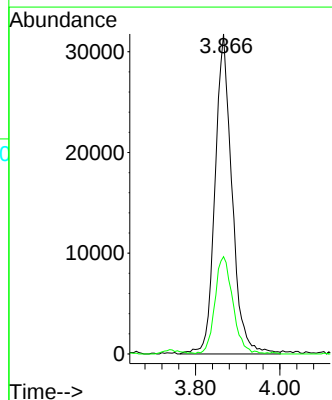
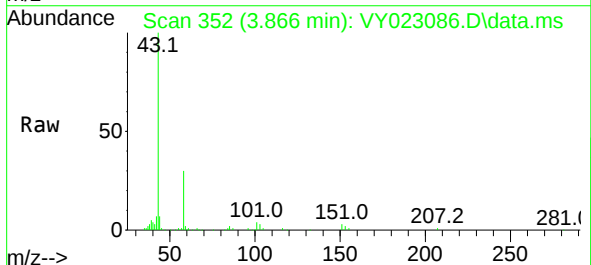
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

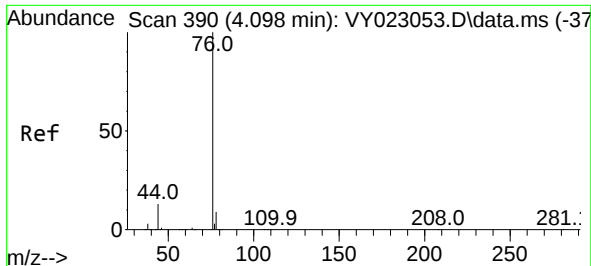
Tgt Ion: 53 Resp: 87301  
Ion Ratio Lower Upper  
53 100  
52 79.5 65.3 97.9  
51 38.2 29.5 44.3



#16  
Acetone  
Concen: 94.185 ug/l  
RT: 3.866 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 43 Resp: 88645  
Ion Ratio Lower Upper  
43 100  
58 30.4 27.1 40.7

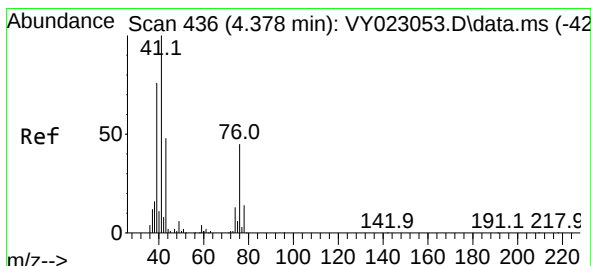
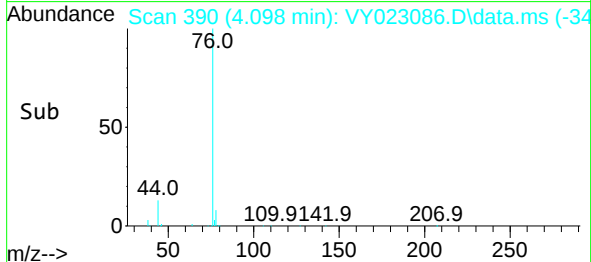
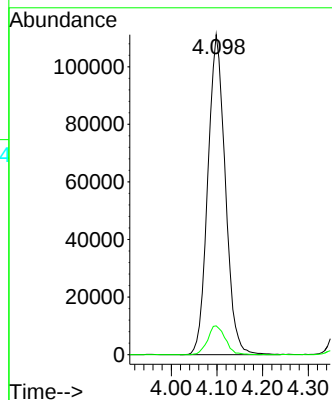
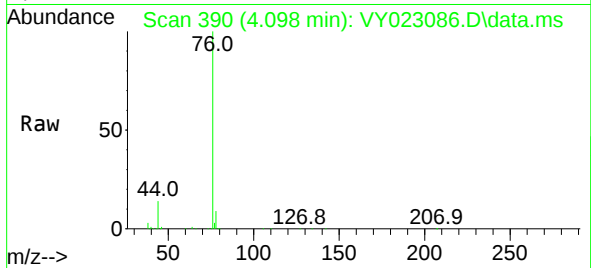




#17  
Carbon Disulfide  
Concen: 20.624 ug/l  
RT: 4.098 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

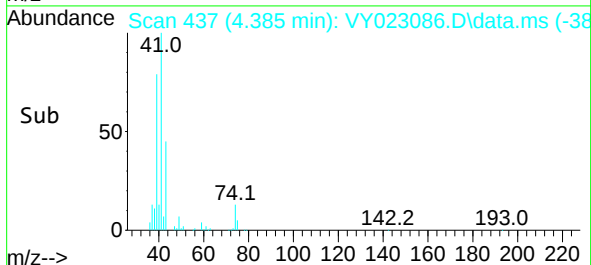
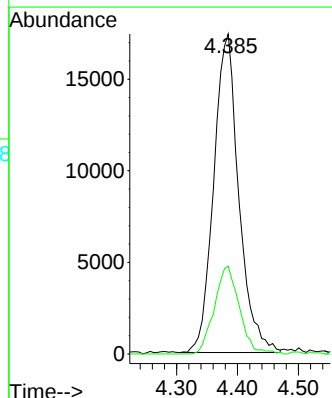
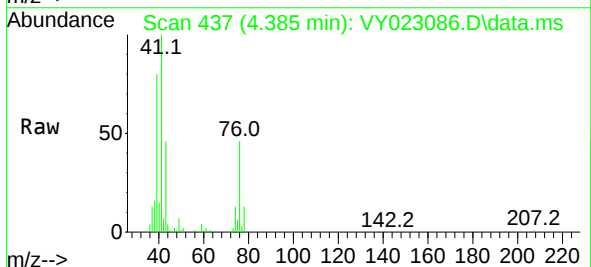
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

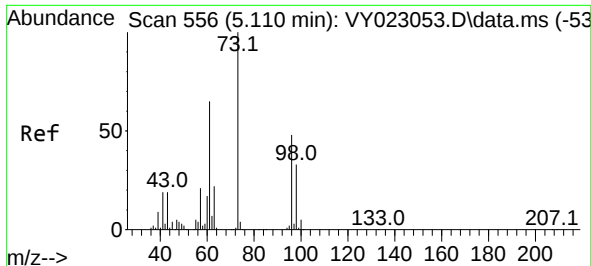
Tgt Ion: 76 Resp: 295393  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.2



#18  
Methyl Acetate  
Concen: 17.778 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 43 Resp: 49793  
Ion Ratio Lower Upper  
43 100  
74 27.4 21.2 31.8

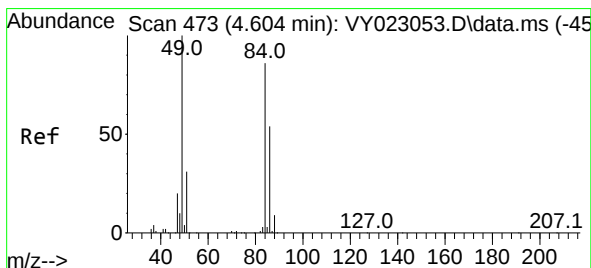
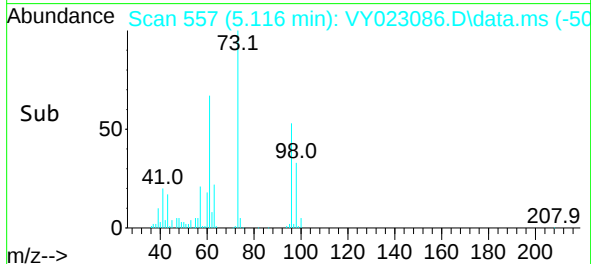
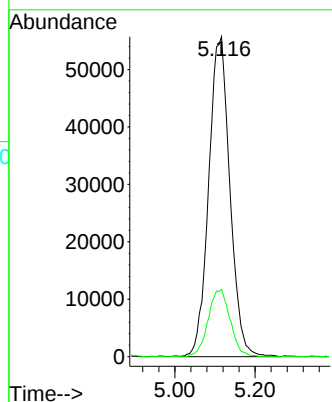
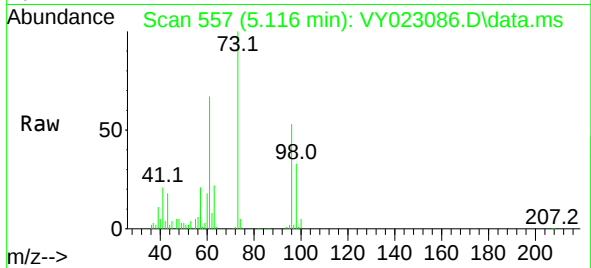




#19  
Methyl tert-butyl Ether  
Concen: 17.932 ug/l  
RT: 5.116 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

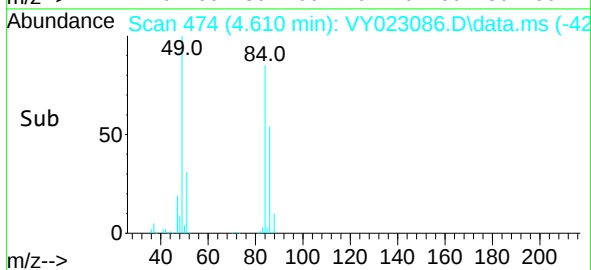
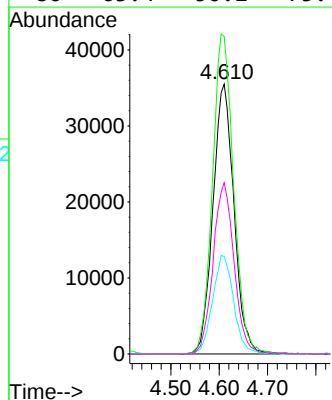
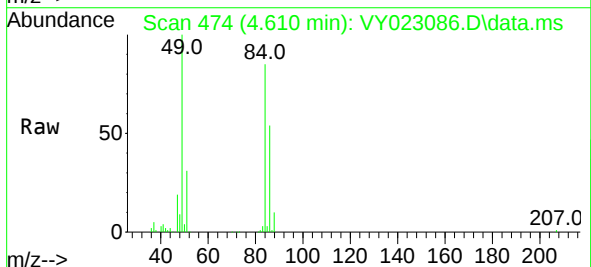
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

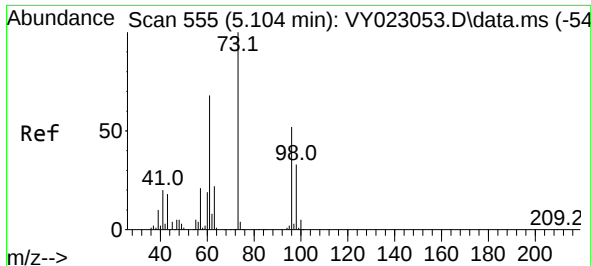
Tgt Ion: 73 Resp: 204114  
Ion Ratio Lower Upper  
73 100  
57 21.1 17.1 25.7



#20  
Methylene Chloride  
Concen: 20.355 ug/l  
RT: 4.610 min Scan# 474  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 84 Resp: 107429  
Ion Ratio Lower Upper  
84 100  
49 117.7 93.0 139.6  
51 36.1 29.0 43.4  
86 63.4 50.2 75.4

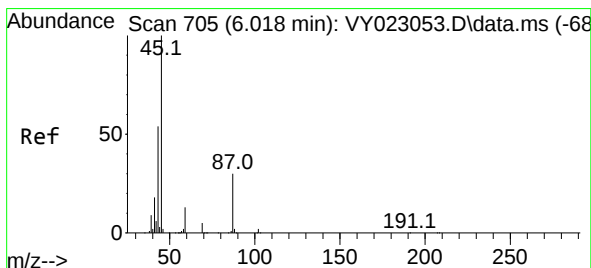
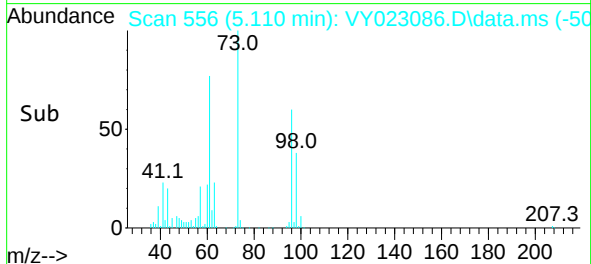
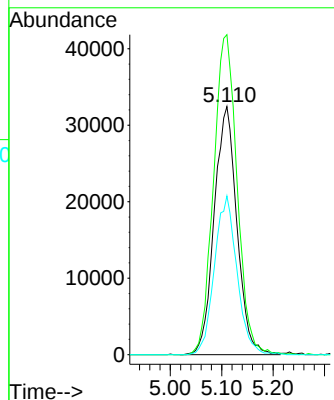
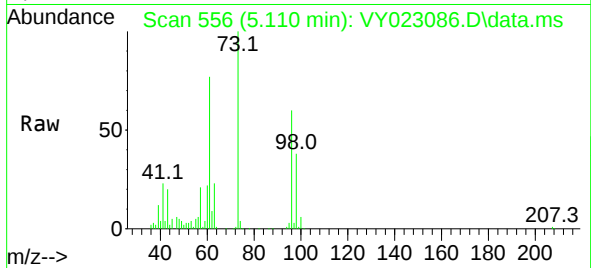




#21  
trans-1,2-Dichloroethene  
Concen: 20.198 ug/l  
RT: 5.110 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

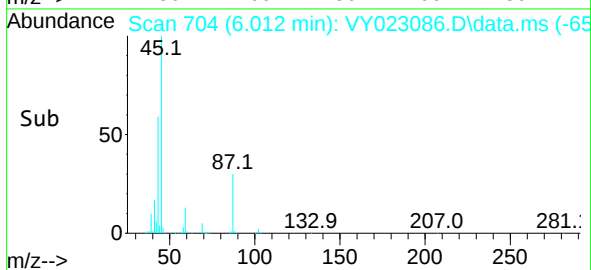
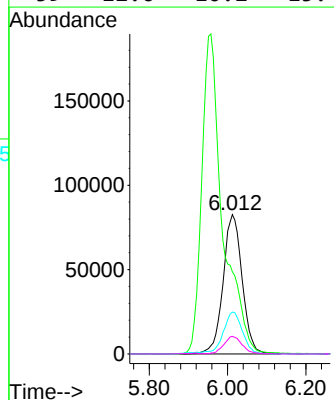
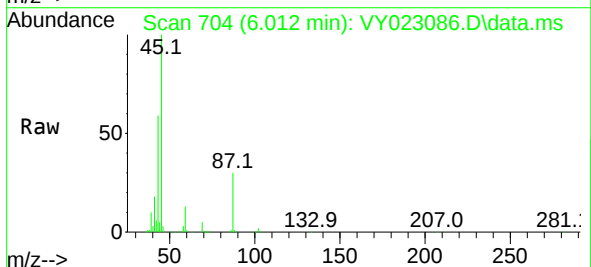
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

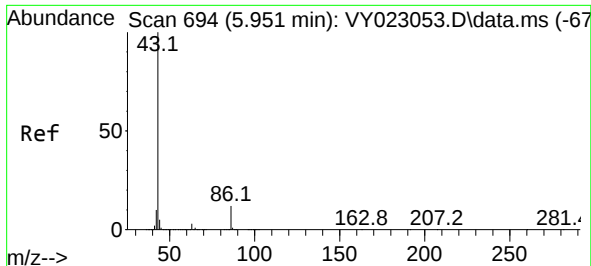
Tgt Ion: 96 Resp: 99704  
Ion Ratio Lower Upper  
96 100  
61 128.9 104.8 157.2  
98 64.0 50.1 75.1



#22  
Diisopropyl ether  
Concen: 19.929 ug/l  
RT: 6.012 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 45 Resp: 279897  
Ion Ratio Lower Upper  
45 100  
43 59.0 43.4 65.0  
87 30.1 24.4 36.6  
59 12.6 10.2 15.4

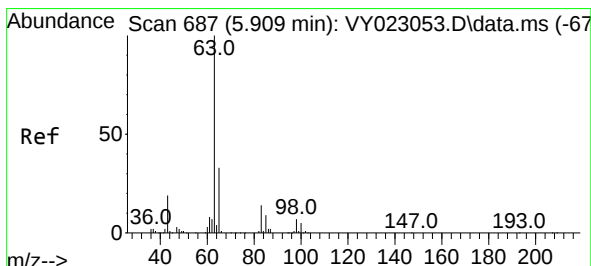
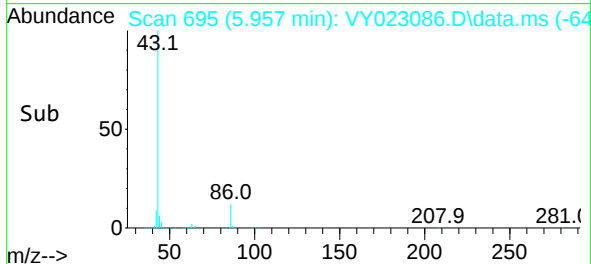
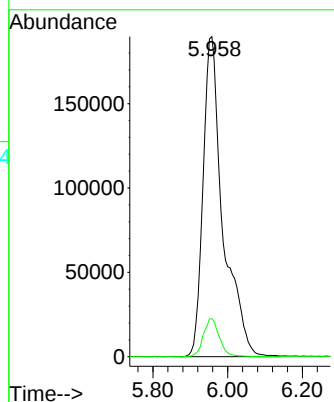
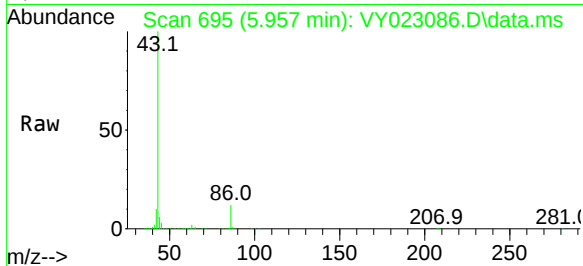




#23  
 Vinyl Acetate  
 Concen: 90.570 ug/l  
 RT: 5.957 min Scan# 694  
 Delta R.T. 0.006 min  
 Lab File: VY023086.D  
 Acq: 14 Aug 2025 11:22

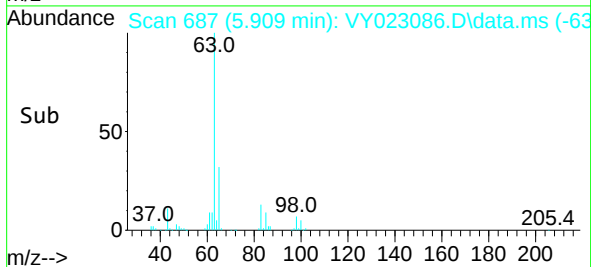
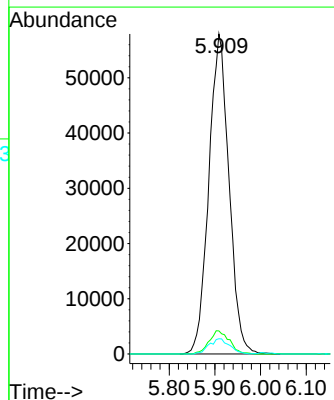
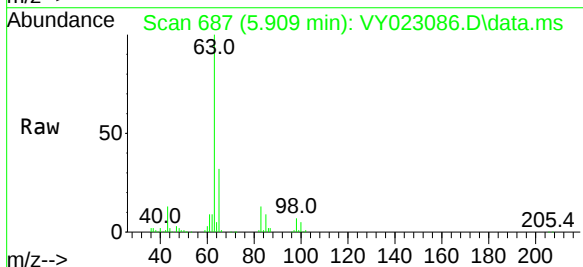
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

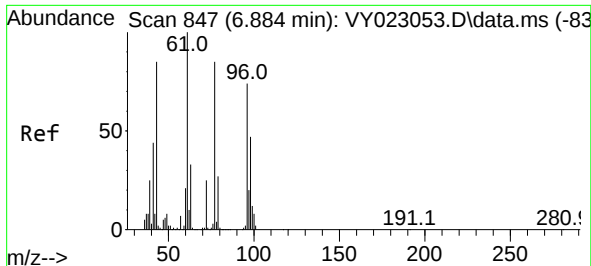
Tgt Ion: 43 Resp: 703379  
 Ion Ratio Lower Upper  
 43 100  
 86 11.9 9.6 14.4



#24  
 1,1-Dichloroethane  
 Concen: 20.666 ug/l  
 RT: 5.909 min Scan# 687  
 Delta R.T. 0.000 min  
 Lab File: VY023086.D  
 Acq: 14 Aug 2025 11:22

Tgt Ion: 63 Resp: 177456  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.5 10.6  
 100 4.7 2.4 7.1





#25

2-Butanone

Concen: 88.799 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

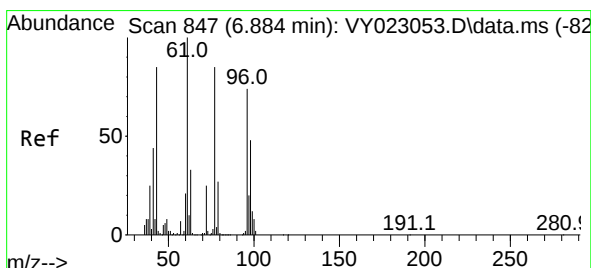
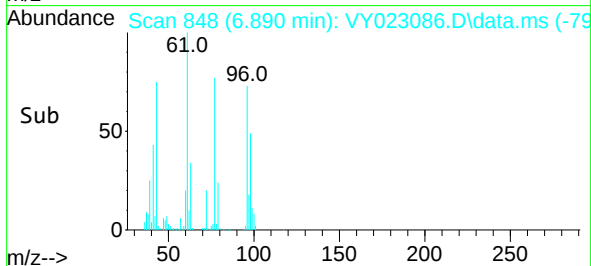
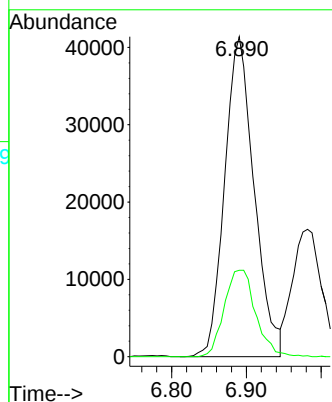
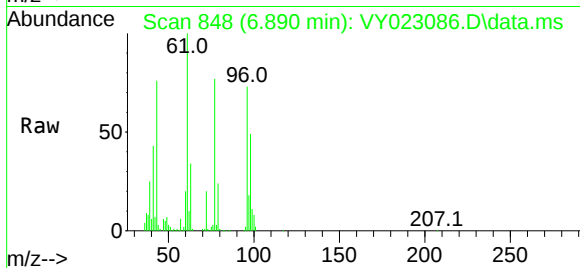
VY0814SBS01

Tgt Ion: 43 Resp: 113667

Ion Ratio Lower Upper

43 100

72 26.8 23.5 35.3



#26

2,2-Dichloropropane

Concen: 20.328 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY023086.D

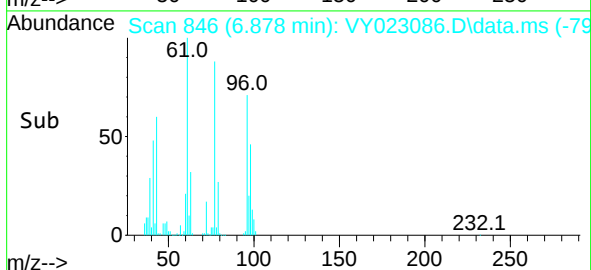
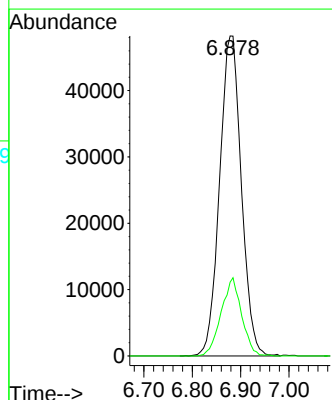
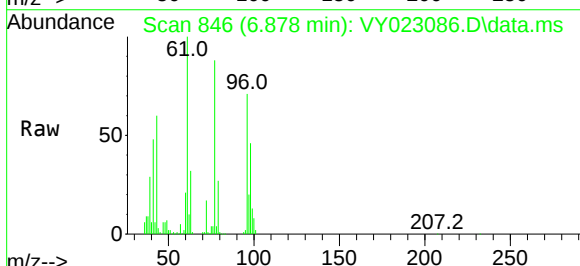
Acq: 14 Aug 2025 11:22

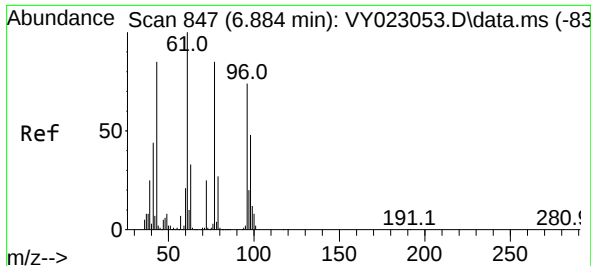
Tgt Ion: 77 Resp: 150616

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.8

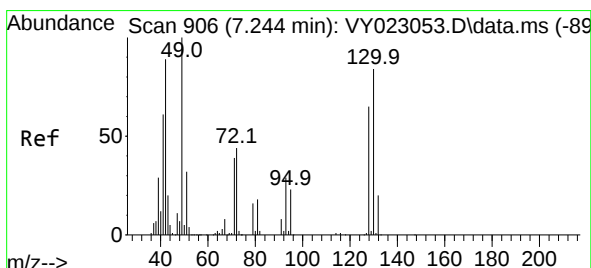
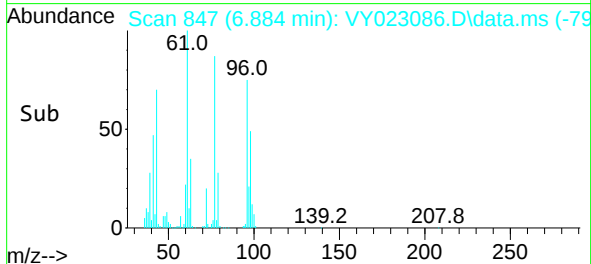
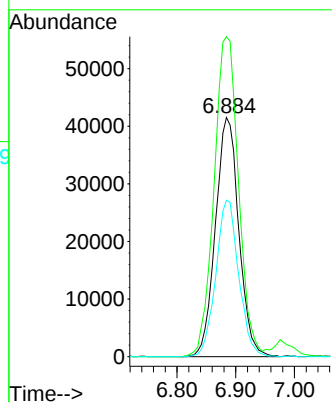
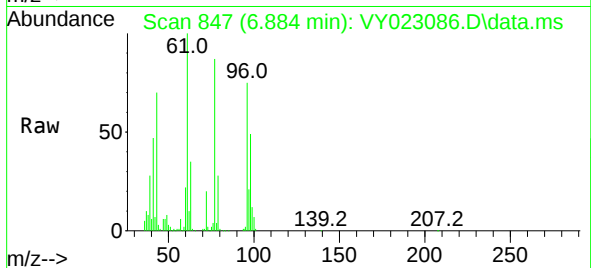




#27  
 cis-1,2-Dichloroethene  
 Concen: 20.100 ug/l  
 RT: 6.884 min Scan# 847  
 Delta R.T. 0.000 min  
 Lab File: VY023086.D  
 Acq: 14 Aug 2025 11:22

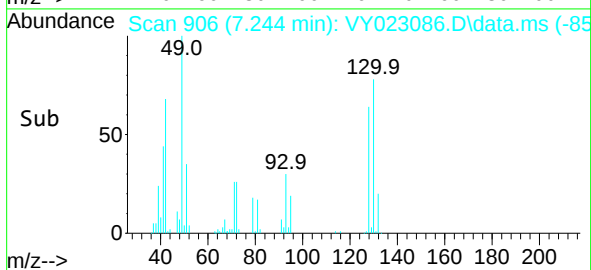
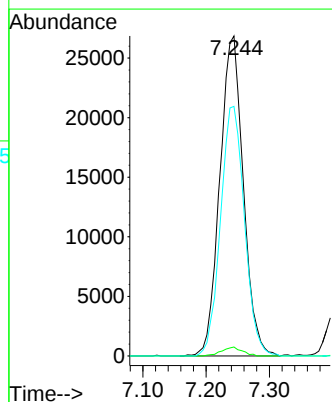
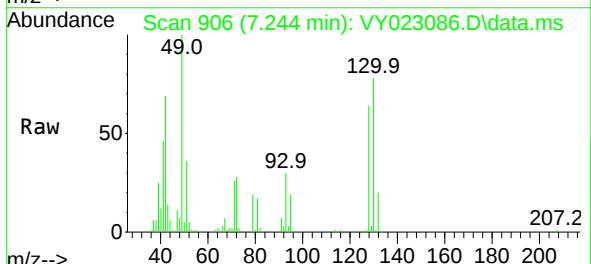
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

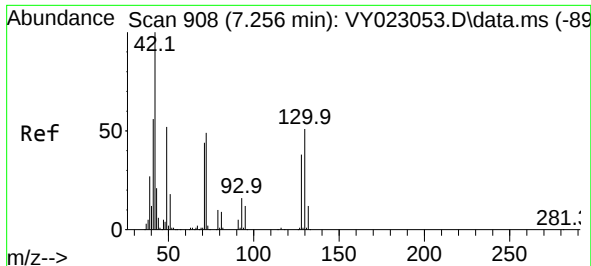
Tgt Ion: 96 Resp: 114706  
 Ion Ratio Lower Upper  
 96 100  
 61 139.9 0.0 278.6  
 98 64.0 0.0 130.4



#28  
 Bromochloromethane  
 Concen: 20.335 ug/l  
 RT: 7.244 min Scan# 906  
 Delta R.T. 0.000 min  
 Lab File: VY023086.D  
 Acq: 14 Aug 2025 11:22

Tgt Ion: 49 Resp: 69276  
 Ion Ratio Lower Upper  
 49 100  
 129 2.4 0.0 4.2  
 130 79.4 66.4 99.6





#29

Tetrahydrofuran

Concen: 85.363 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

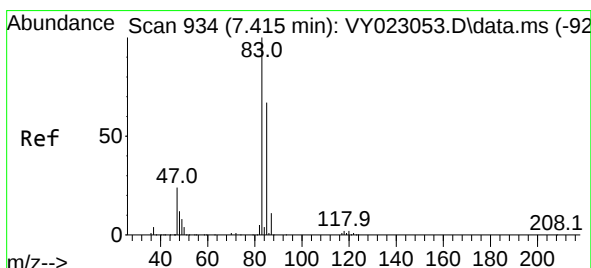
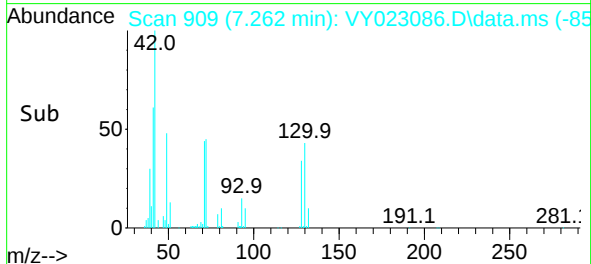
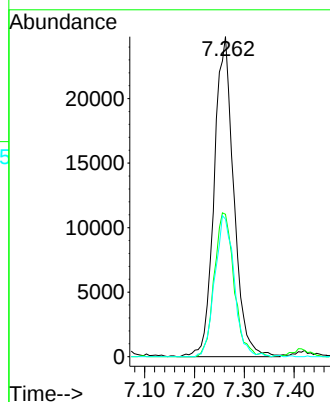
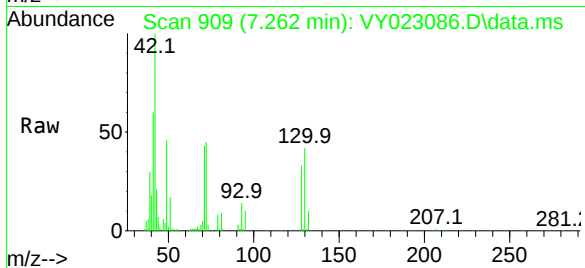
Tgt Ion: 42 Resp: 67731

Ion Ratio Lower Upper

42 100

72 45.3 39.4 59.2

71 43.6 36.5 54.7



#30

Chloroform

Concen: 20.591 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023086.D

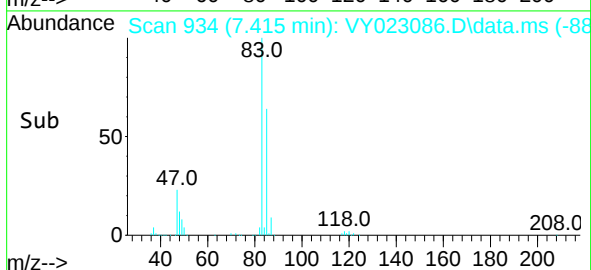
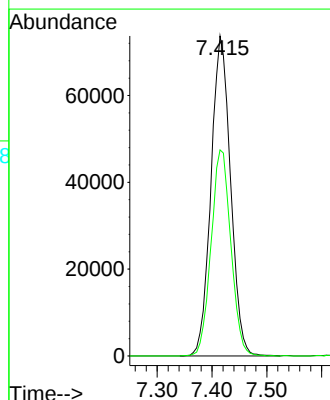
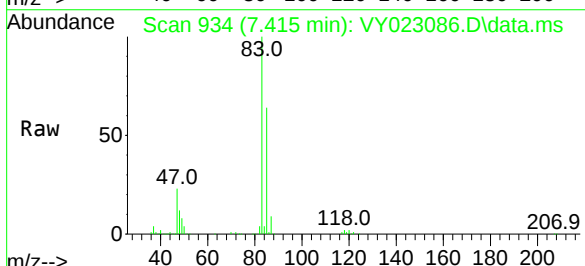
Acq: 14 Aug 2025 11:22

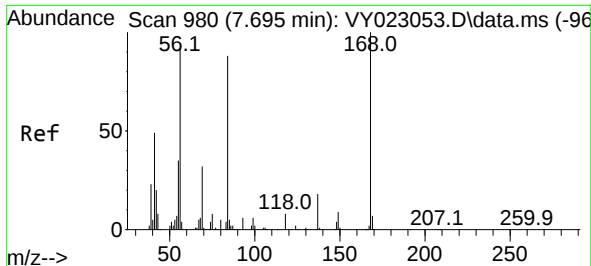
Tgt Ion: 83 Resp: 182352

Ion Ratio Lower Upper

83 100

85 64.4 53.8 80.8

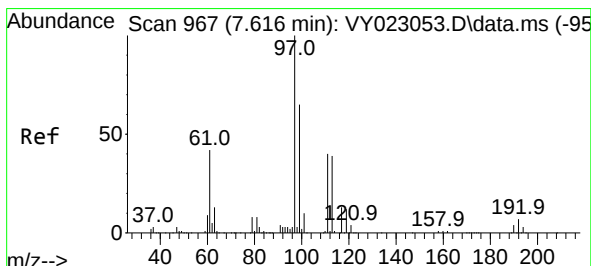
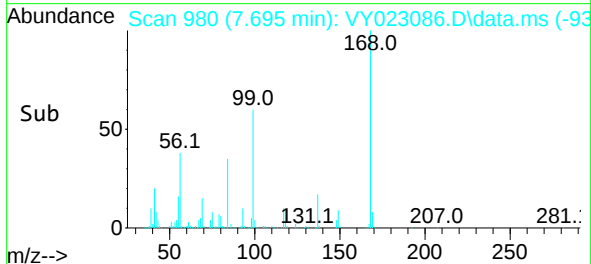
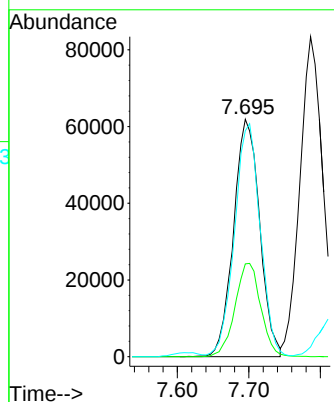
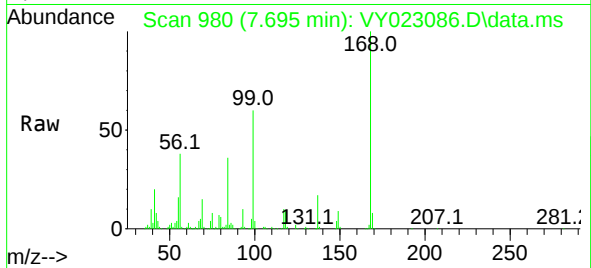




#31  
Cyclohexane  
Concen: 19.392 ug/l  
RT: 7.695 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

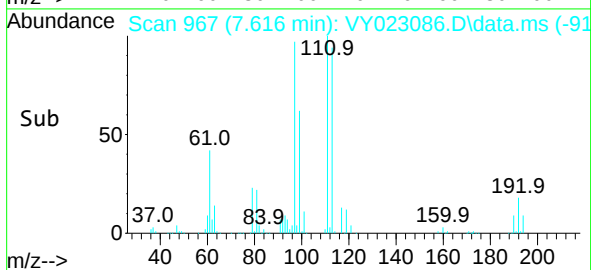
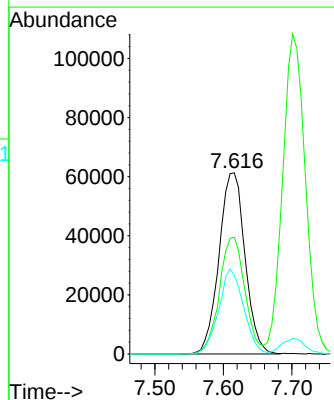
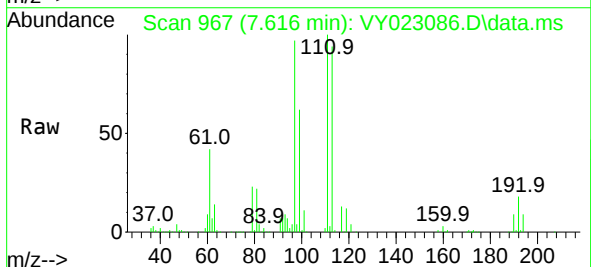
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

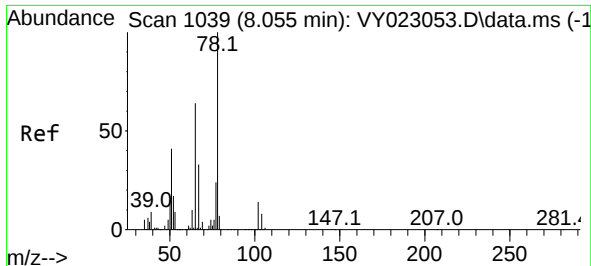
Tgt Ion: 56 Resp: 156917  
Ion Ratio Lower Upper  
56 100  
69 39.1 28.2 42.2  
84 93.6 76.6 114.8



#32  
1,1,1-Trichloroethane  
Concen: 20.543 ug/l  
RT: 7.616 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 97 Resp: 161426  
Ion Ratio Lower Upper  
97 100  
99 63.4 51.6 77.4  
61 44.8 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 50.253 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

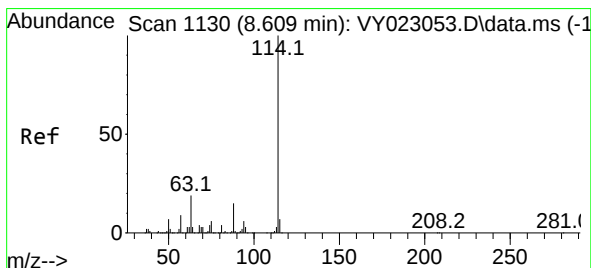
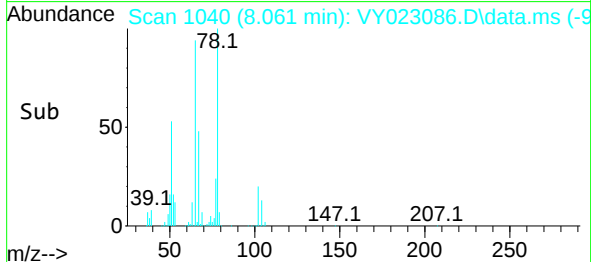
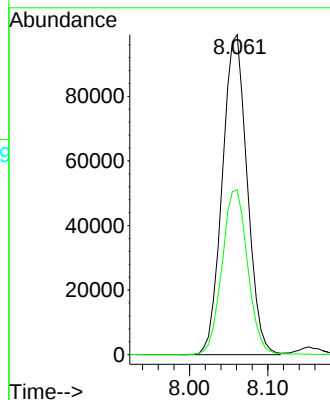
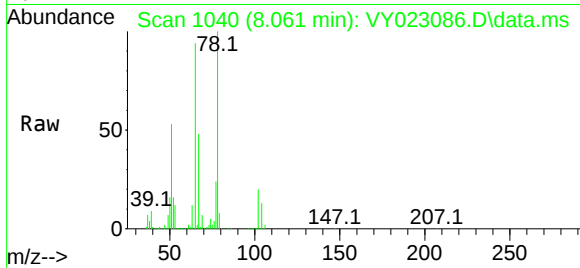
VY0814SBS01

Tgt Ion: 65 Resp: 218317

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

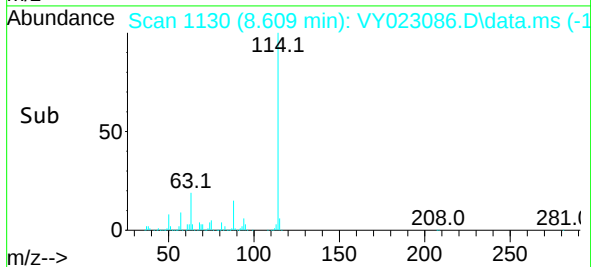
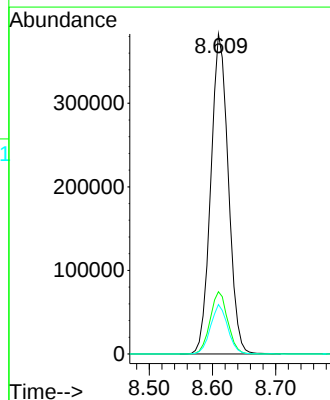
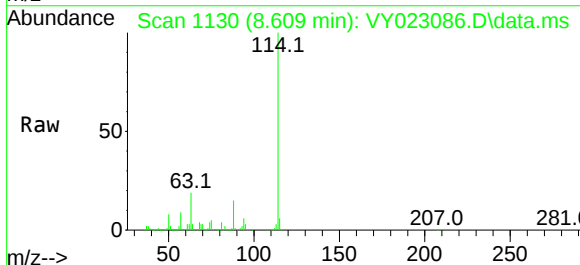
Tgt Ion: 114 Resp: 734618

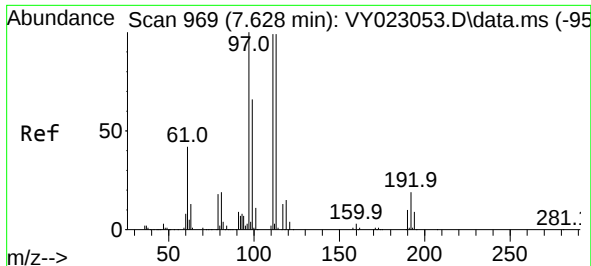
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

88 15.4 0.0 30.0

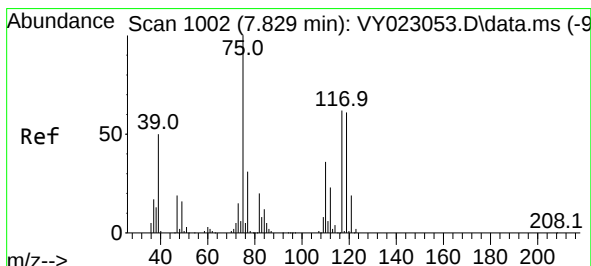
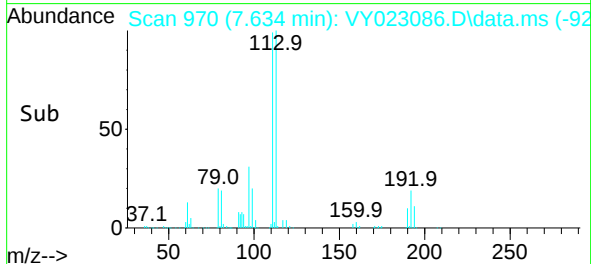
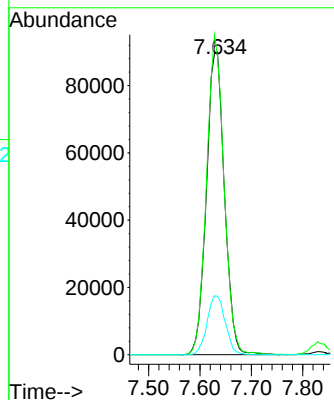
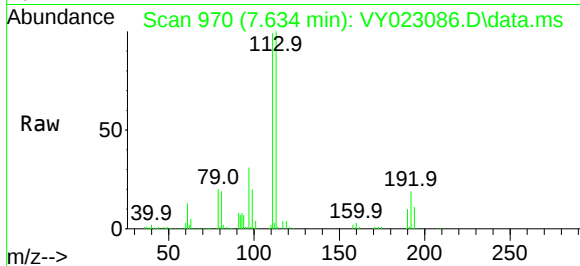




#35  
Dibromofluoromethane  
Concen: 50.078 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

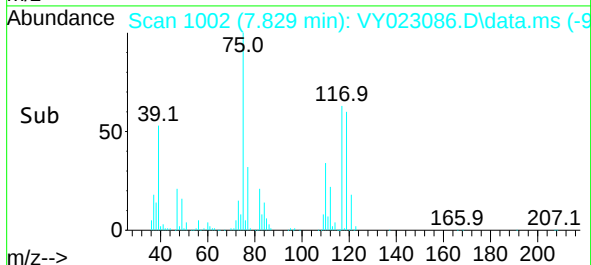
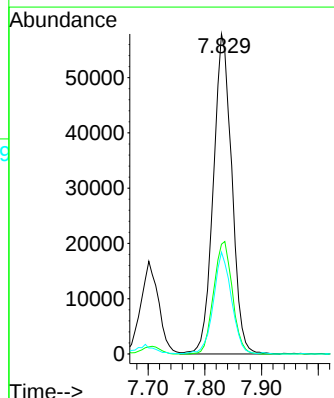
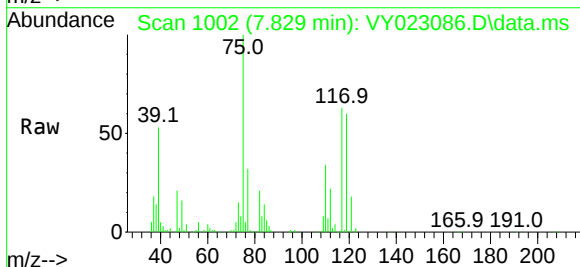
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

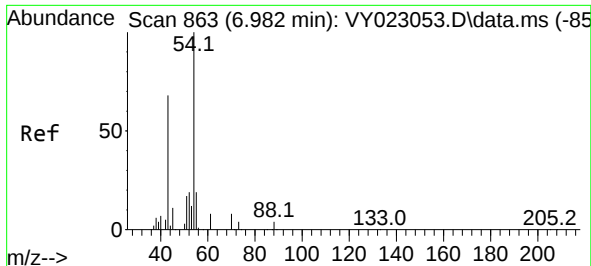
Tgt Ion:113 Resp: 220130  
Ion Ratio Lower Upper  
113 100  
111 102.0 81.1 121.7  
192 19.4 16.2 24.4



#36  
1,1-Dichloropropene  
Concen: 20.063 ug/l  
RT: 7.829 min Scan# 1002  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 75 Resp: 131067  
Ion Ratio Lower Upper  
75 100  
110 35.5 18.1 54.4  
77 30.8 24.6 37.0

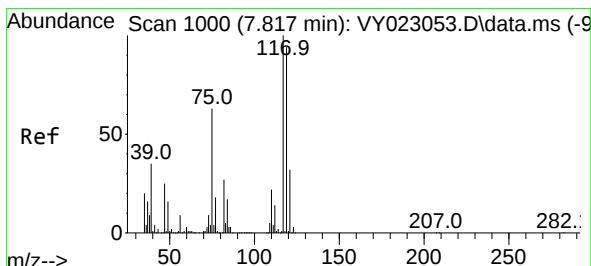
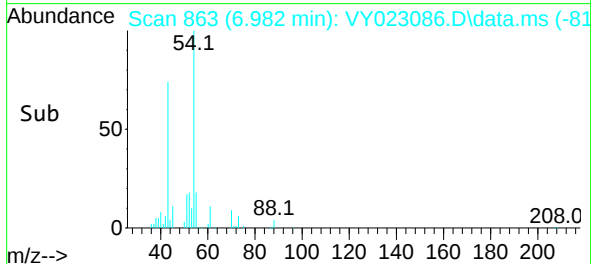
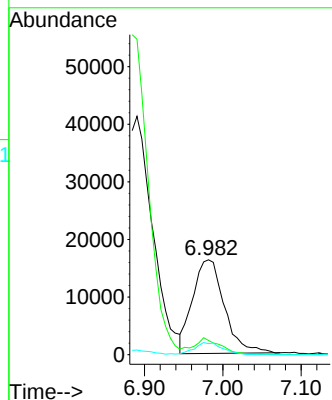
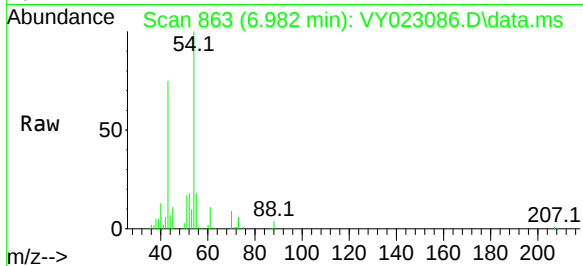




#37  
Ethyl Acetate  
Concen: 16.687 ug/l  
RT: 6.982 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

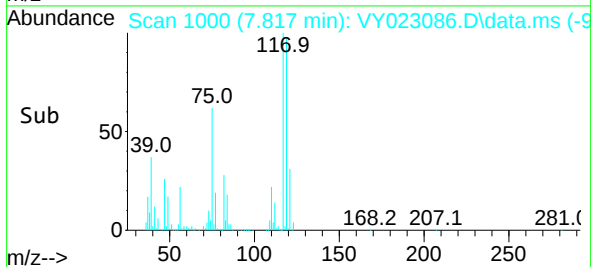
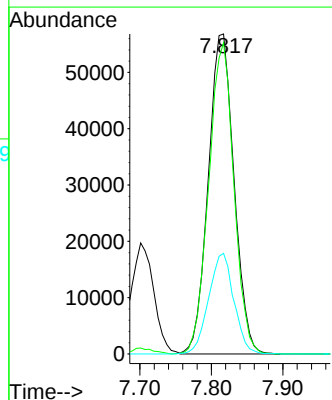
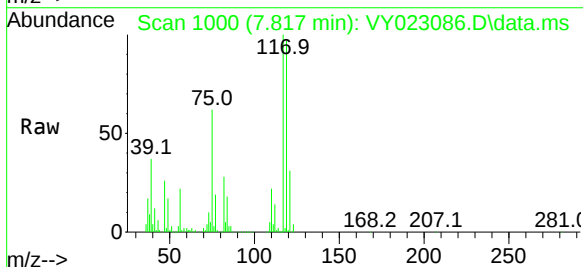
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

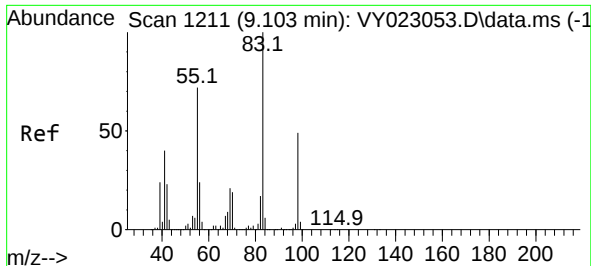
Tgt Ion: 43 Resp: 45793  
Ion Ratio Lower Upper  
43 100  
61 13.7 11.9 17.9  
70 11.4 8.8 13.2



#38  
Carbon Tetrachloride  
Concen: 20.062 ug/l  
RT: 7.817 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 117 Resp: 142349  
Ion Ratio Lower Upper  
117 100  
119 97.2 75.6 113.4  
121 31.4 25.8 38.8





#39

Methylcyclohexane

Concen: 18.690 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

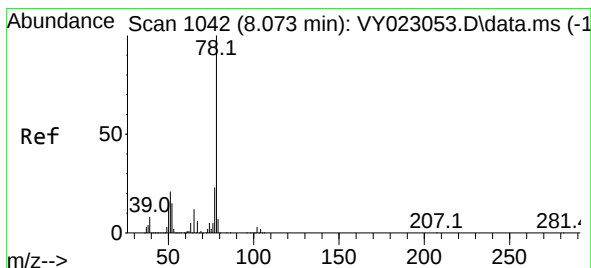
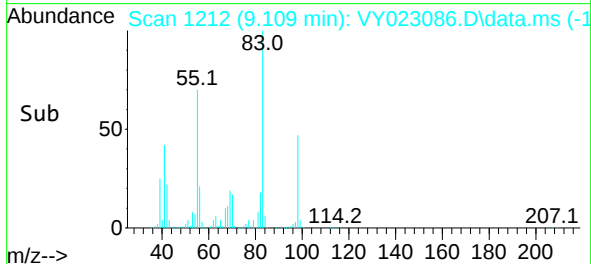
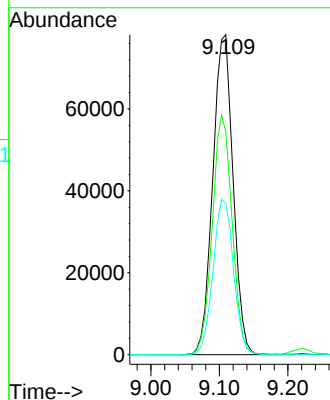
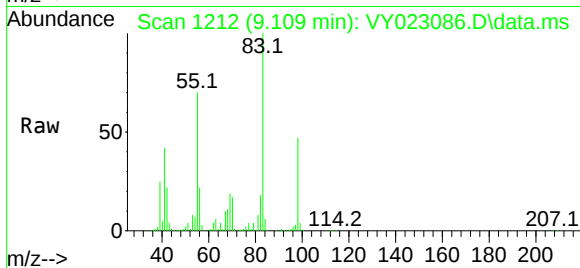
Tgt Ion: 83 Resp: 160783

Ion Ratio Lower Upper

83 100

55 69.6 57.6 86.4

98 47.1 39.2 58.8



#40

Benzene

Concen: 20.306 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY023086.D

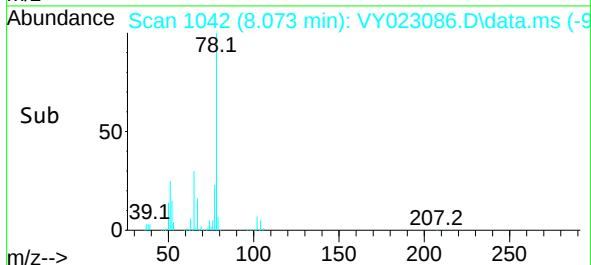
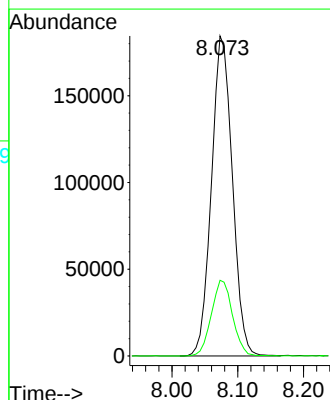
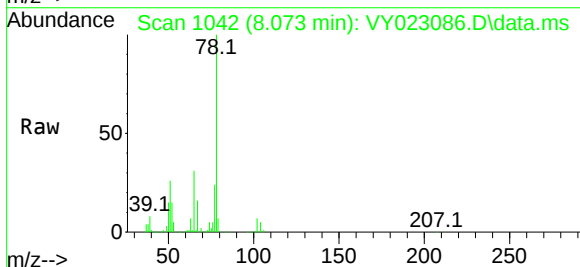
Acq: 14 Aug 2025 11:22

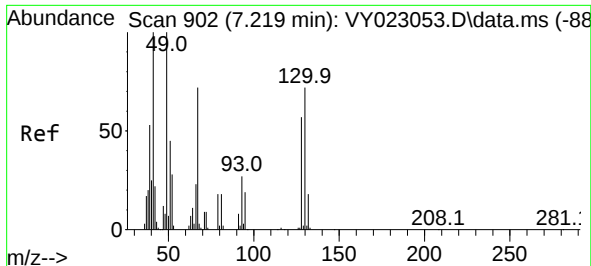
Tgt Ion: 78 Resp: 408860

Ion Ratio Lower Upper

78 100

77 23.6 18.6 28.0

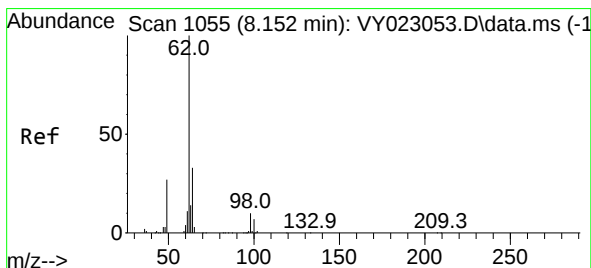
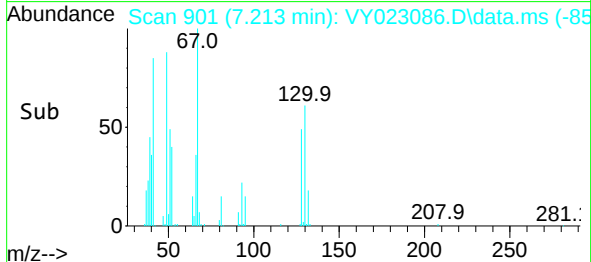
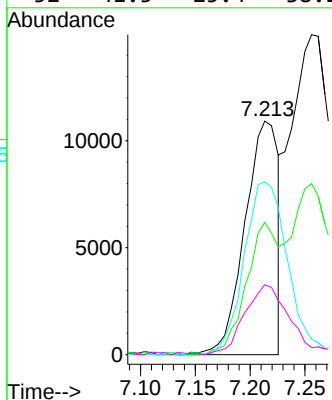
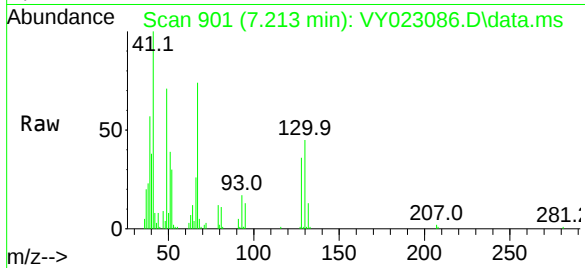




#41  
Methacrylonitrile  
Concen: 14.607 ug/l  
RT: 7.213 min Scan# 902  
Delta R.T. -0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

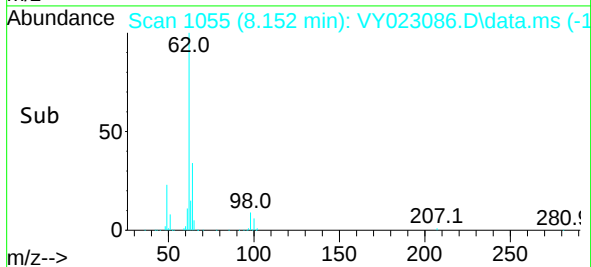
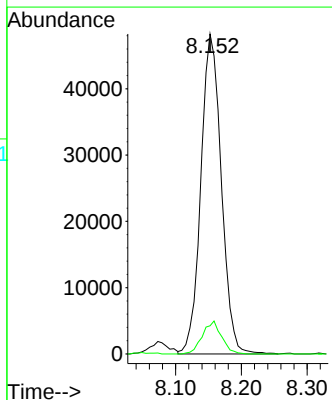
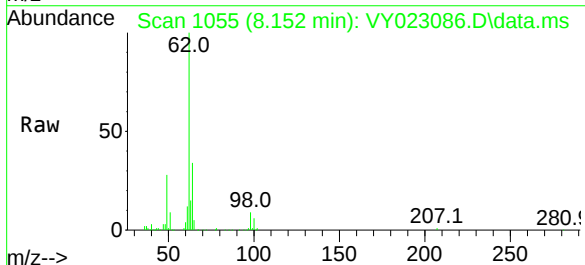
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

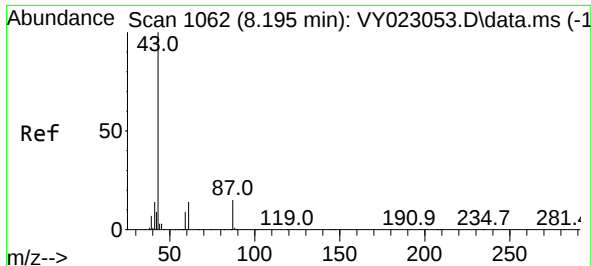
Tgt Ion: 41 Resp: 23134  
Ion Ratio Lower Upper  
41 100  
39 53.2 43.4 65.2  
67 97.5 63.6 95.4#  
52 41.5 25.4 38.2#



#42  
1,2-Dichloroethane  
Concen: 19.970 ug/l  
RT: 8.152 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 62 Resp: 104577  
Ion Ratio Lower Upper  
62 100  
98 9.6 0.0 20.6

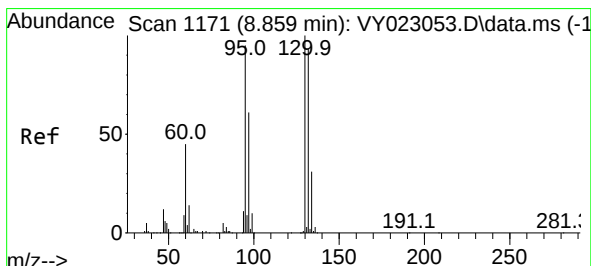
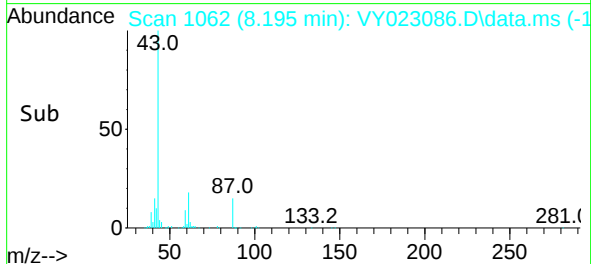
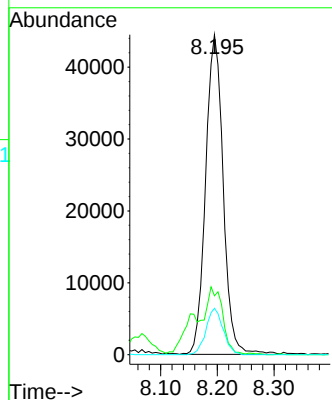
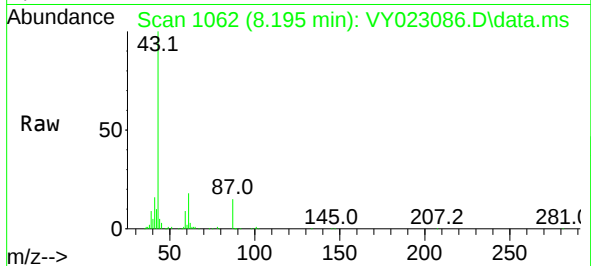




#43  
Isopropyl Acetate  
Concen: 17.262 ug/l  
RT: 8.195 min Scan# 1062  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

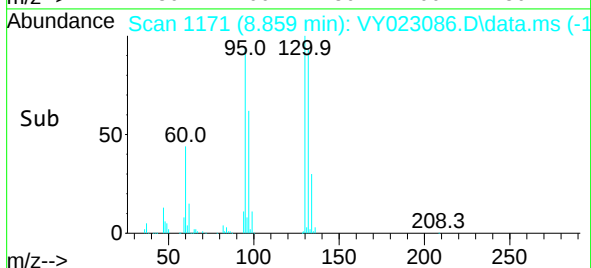
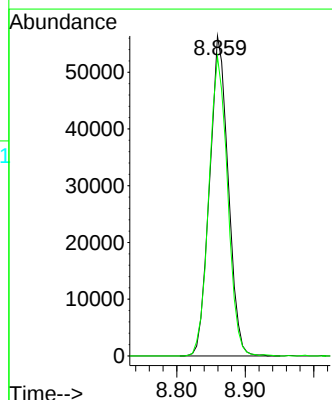
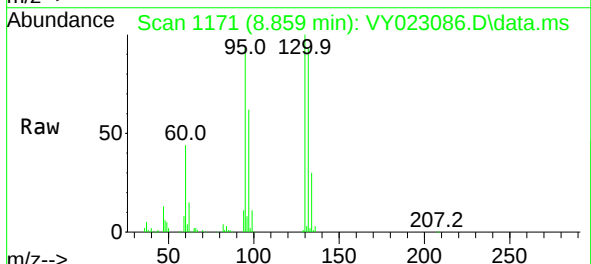
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

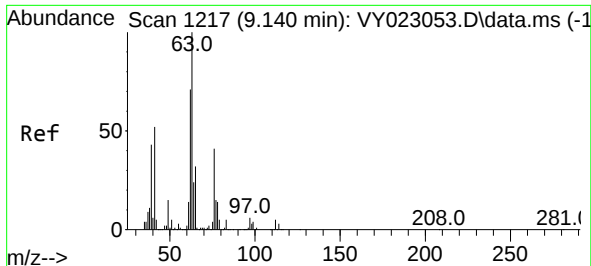
Tgt Ion: 43 Resp: 95745  
Ion Ratio Lower Upper  
43 100  
61 19.7 16.4 24.6  
87 14.2 11.8 17.6



#44  
Trichloroethene  
Concen: 20.488 ug/l  
RT: 8.859 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion:130 Resp: 106605  
Ion Ratio Lower Upper  
130 100  
95 93.6 0.0 190.2





#45

1,2-Dichloropropane

Concen: 20.603 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

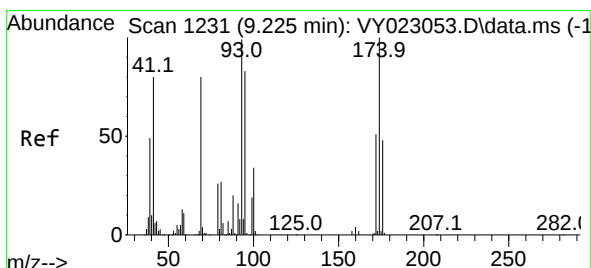
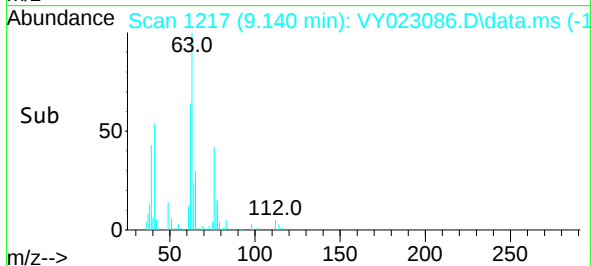
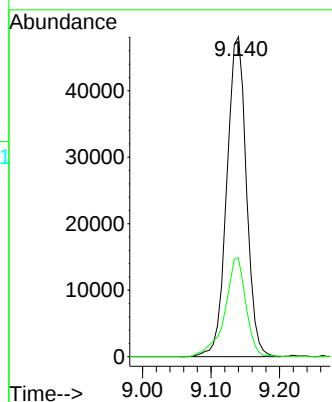
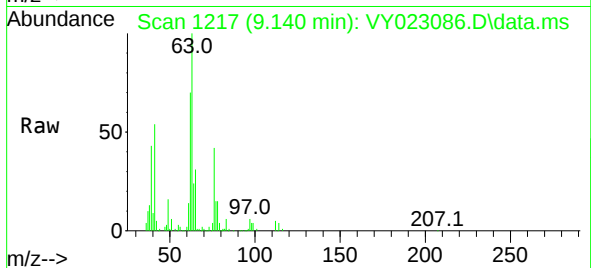
VY0814SBS01

Tgt Ion: 63 Resp: 95447

Ion Ratio Lower Upper

63 100

65 30.8 25.3 37.9



#46

Dibromomethane

Concen: 19.543 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

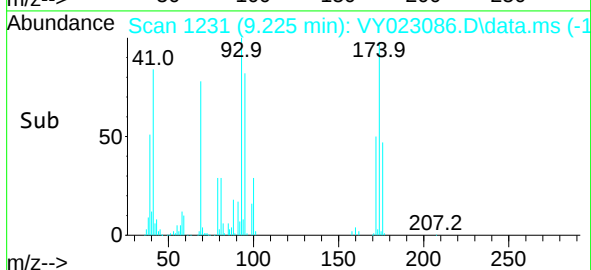
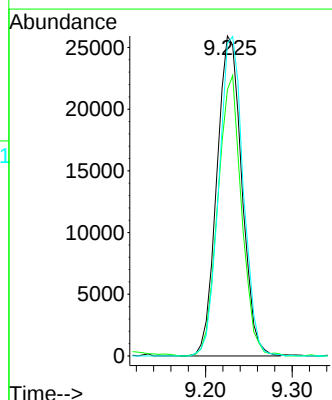
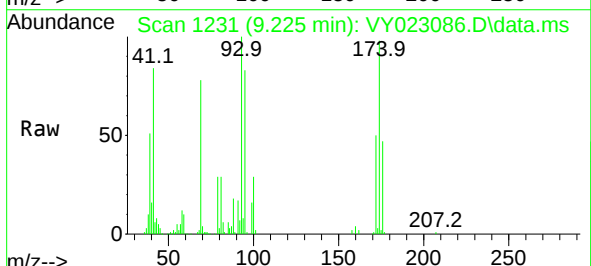
Tgt Ion: 93 Resp: 51967

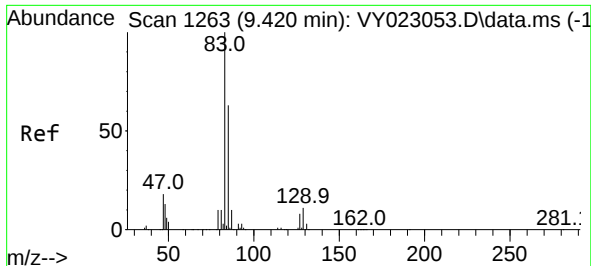
Ion Ratio Lower Upper

93 100

95 82.9 66.5 99.7

174 97.3 81.8 122.8

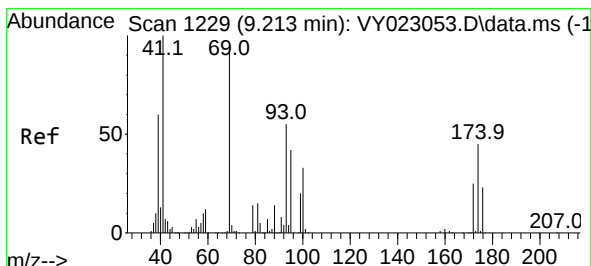
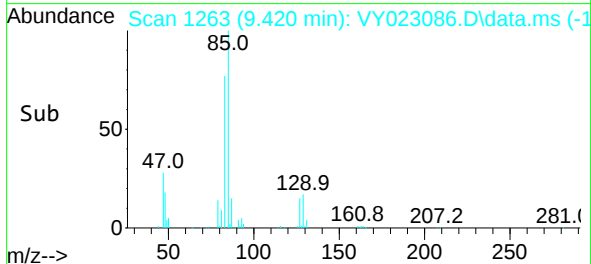
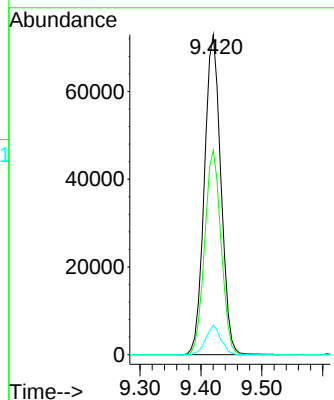
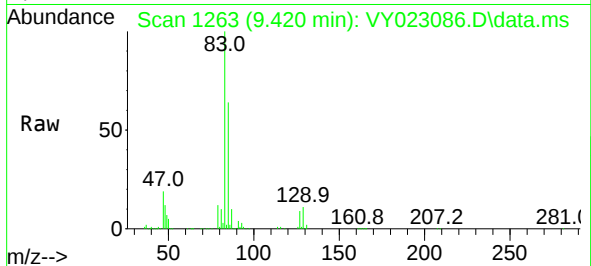




#47  
Bromodichloromethane  
Concen: 20.042 ug/l  
RT: 9.420 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

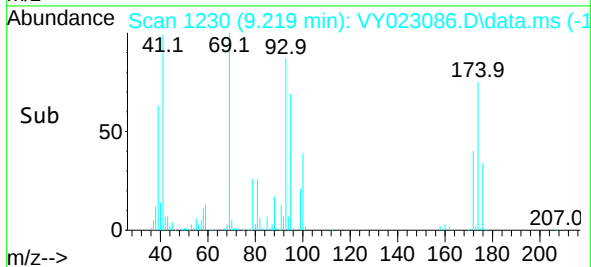
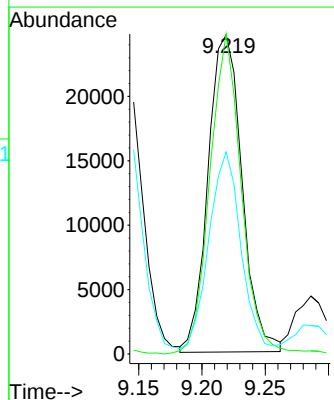
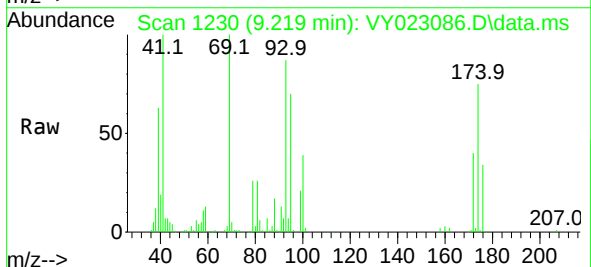
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

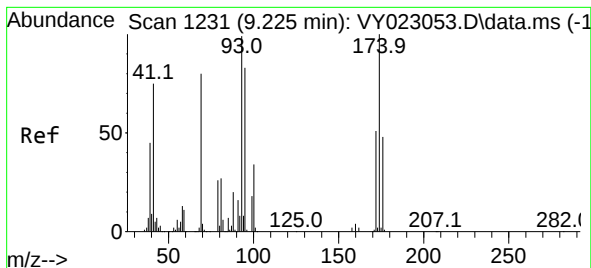
Tgt Ion: 83 Resp: 137131  
Ion Ratio Lower Upper  
83 100  
85 63.9 50.2 75.4  
127 9.2 6.6 10.0



#48  
Methyl methacrylate  
Concen: 17.327 ug/l  
RT: 9.219 min Scan# 1230  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 41 Resp: 45987  
Ion Ratio Lower Upper  
41 100  
69 93.6 73.2 109.8  
39 58.0 47.0 70.4





#49

1,4-Dioxane

Concen: 345.913 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

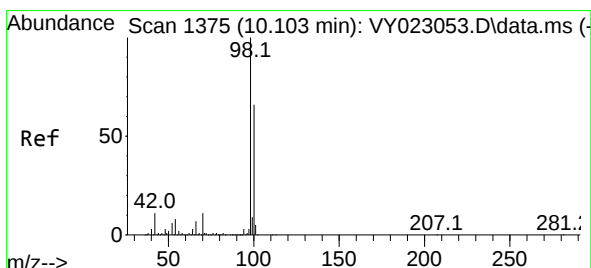
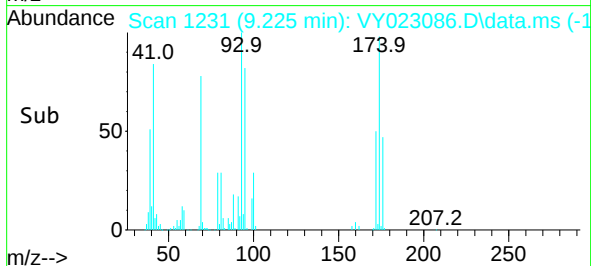
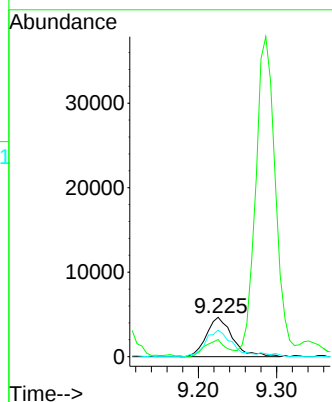
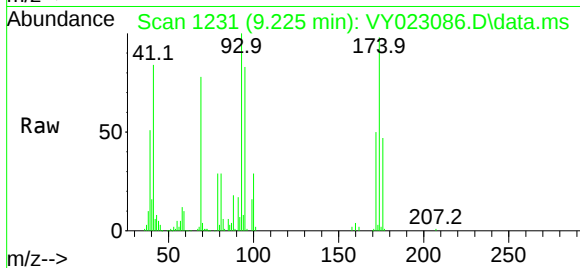
Tgt Ion: 88 Resp: 10785

Ion Ratio Lower Upper

88 100

43 37.3 24.3 36.5#

58 67.2 55.4 83.0



#50

Toluene-d8

Concen: 50.855 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023086.D

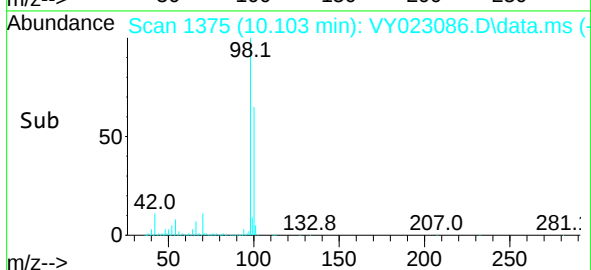
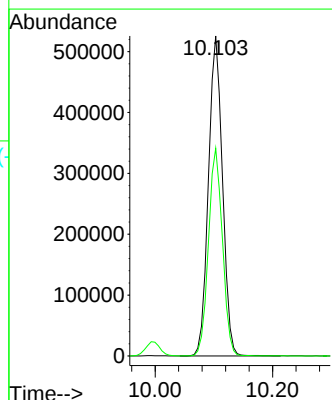
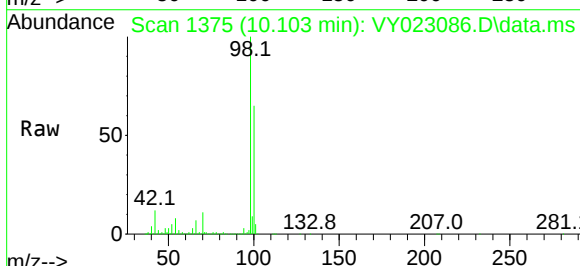
Acq: 14 Aug 2025 11:22

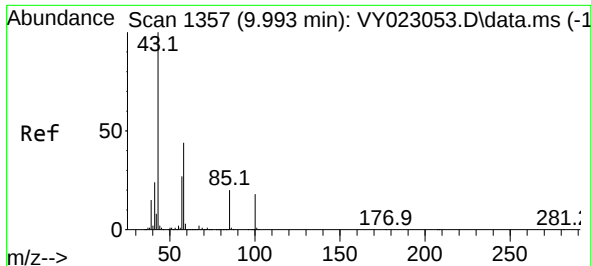
Tgt Ion: 98 Resp: 873299

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 83.495 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

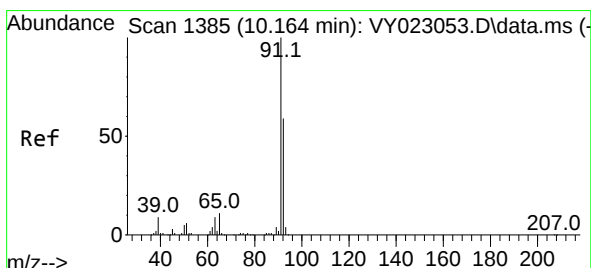
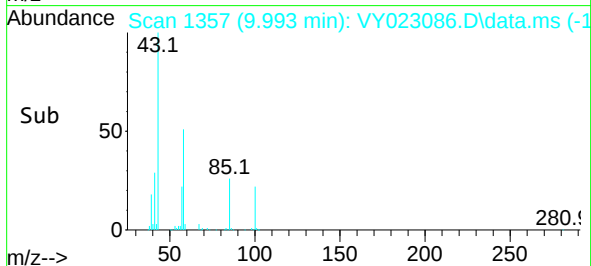
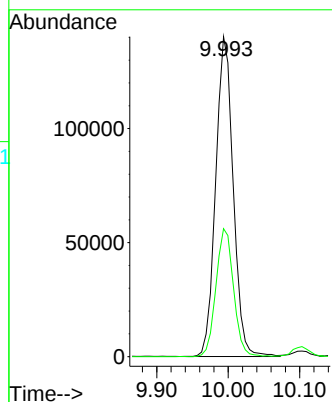
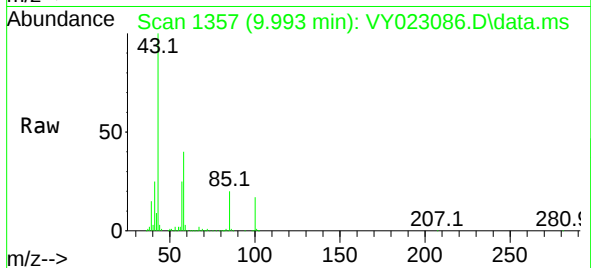
VY0814SBS01

Tgt Ion: 43 Resp: 238881

Ion Ratio Lower Upper

43 100

58 40.1 33.5 50.3



#52

Toluene

Concen: 19.780 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023086.D

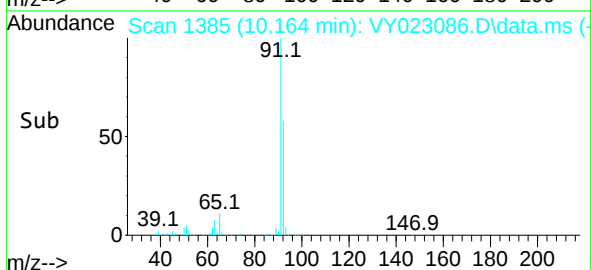
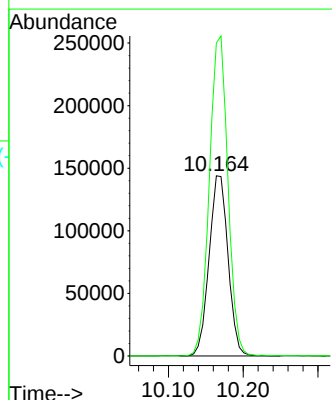
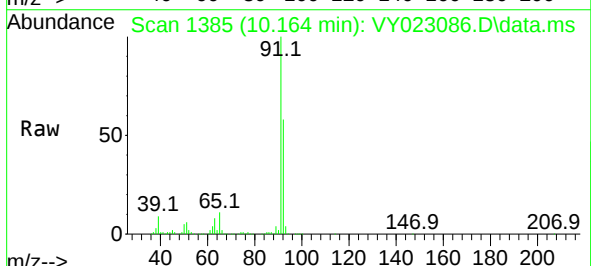
Acq: 14 Aug 2025 11:22

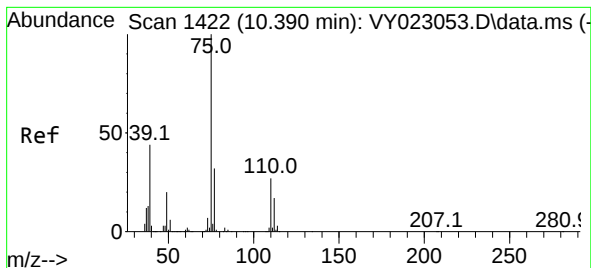
Tgt Ion: 92 Resp: 252944

Ion Ratio Lower Upper

92 100

91 174.7 136.4 204.6

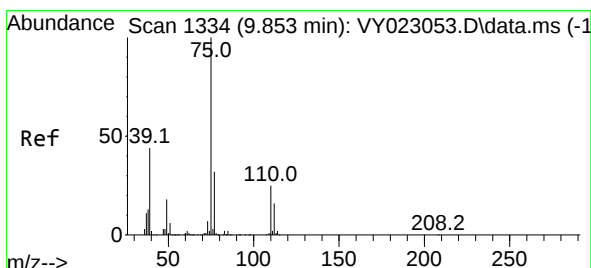
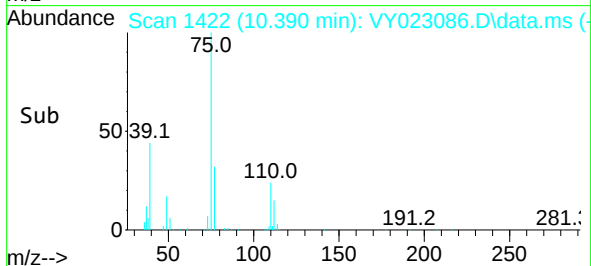
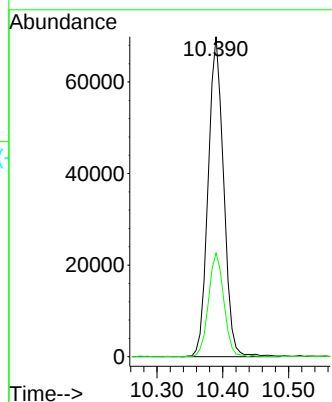
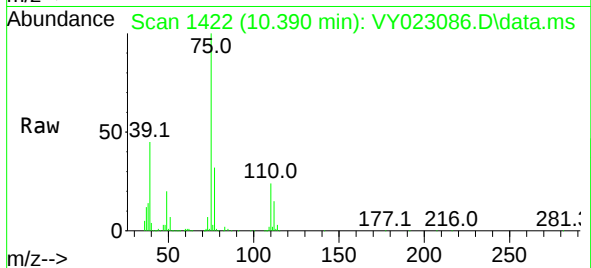




#53  
 t-1,3-Dichloropropene  
 Concen: 18.458 ug/l  
 RT: 10.390 min Scan# 1422  
 Delta R.T. 0.000 min  
 Lab File: VY023086.D  
 Acq: 14 Aug 2025 11:22

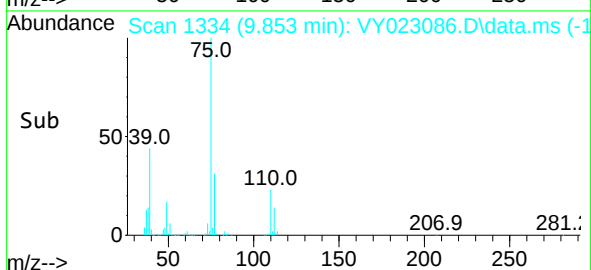
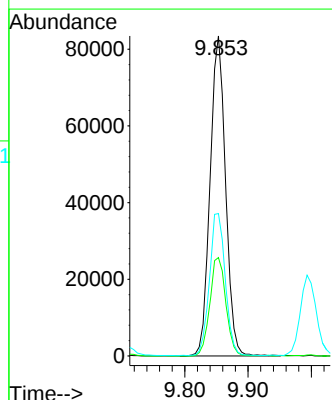
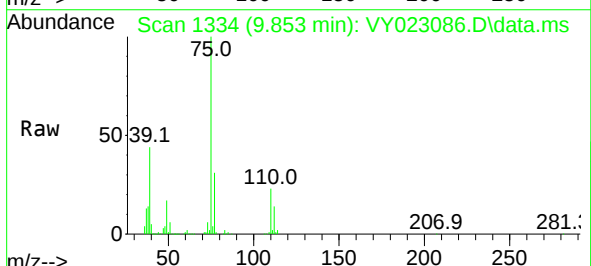
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

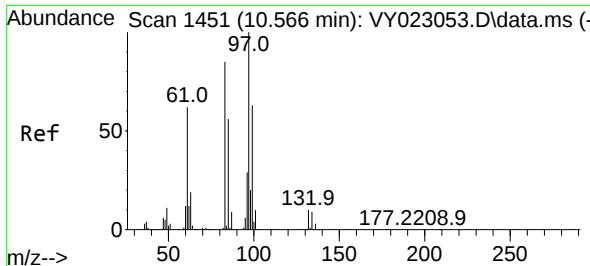
Tgt Ion: 75 Resp: 114364  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 25.7 38.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.379 ug/l  
 RT: 9.853 min Scan# 1334  
 Delta R.T. 0.000 min  
 Lab File: VY023086.D  
 Acq: 14 Aug 2025 11:22

Tgt Ion: 75 Resp: 141980  
 Ion Ratio Lower Upper  
 75 100  
 77 30.7 25.4 38.0  
 39 44.3 35.6 53.4



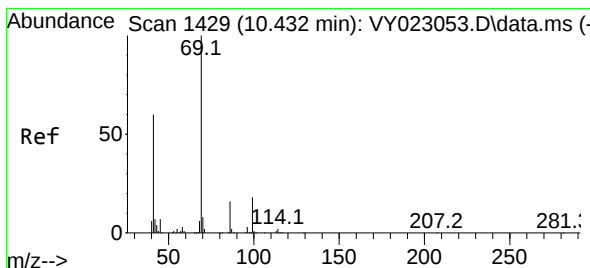
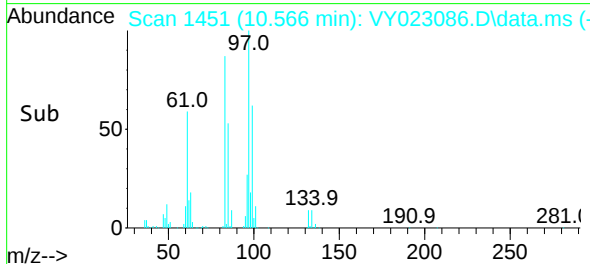
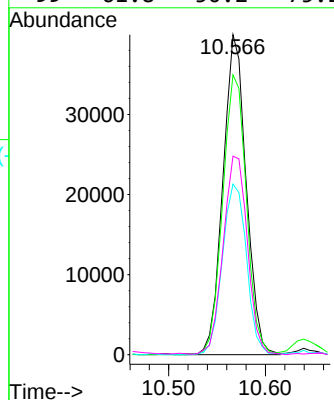
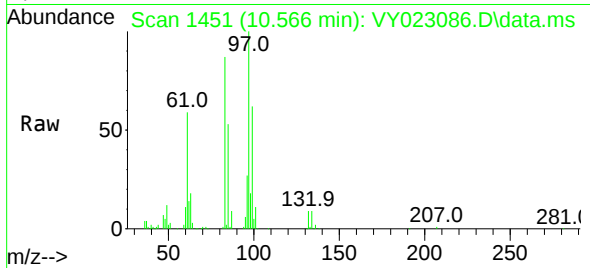


#55  
 1,1,2-Trichloroethane  
 Concen: 18.734 ug/l  
 RT: 10.566 min Scan# 1451  
 Delta R.T. 0.000 min  
 Lab File: VY023086.D  
 Acq: 14 Aug 2025 11:22

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

Tgt Ion: 97 Resp: 66658

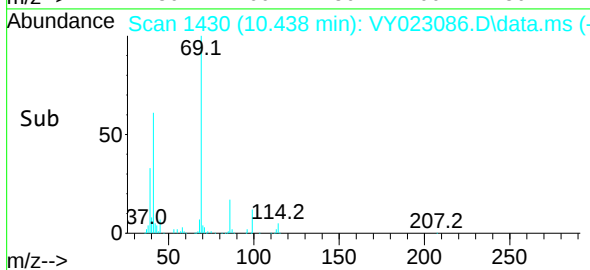
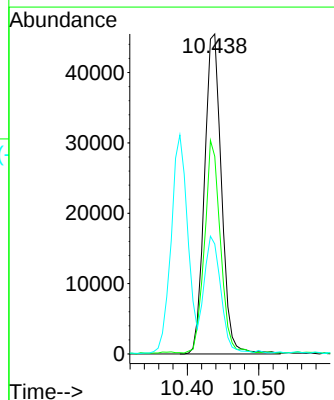
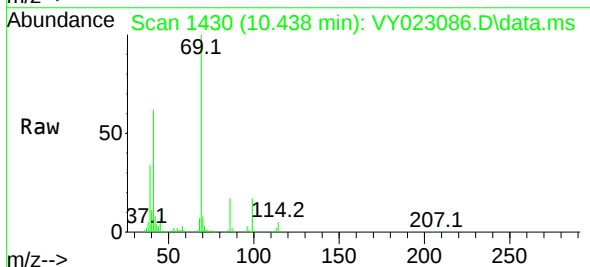
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 87.4  | 67.7  | 101.5 |
| 85  | 53.3  | 44.5  | 66.7  |
| 99  | 61.8  | 50.2  | 75.2  |

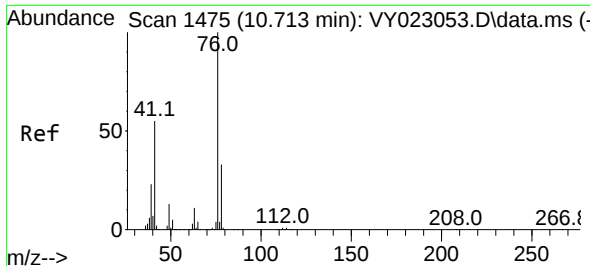


#56  
 Ethyl methacrylate  
 Concen: 16.500 ug/l  
 RT: 10.438 min Scan# 1430  
 Delta R.T. 0.006 min  
 Lab File: VY023086.D  
 Acq: 14 Aug 2025 11:22

Tgt Ion: 69 Resp: 75122

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 61.9  | 48.6  | 72.8  |
| 39  | 35.1  | 27.0  | 40.4  |





#57

1,3-Dichloropropane

Concen: 19.034 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

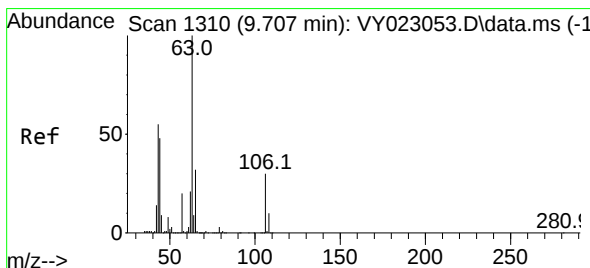
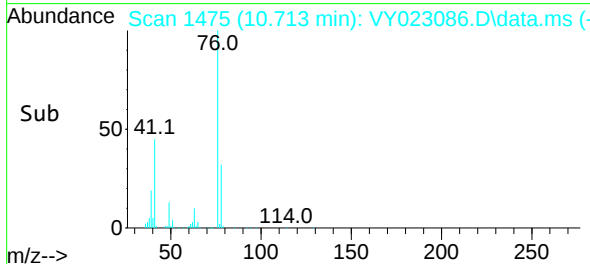
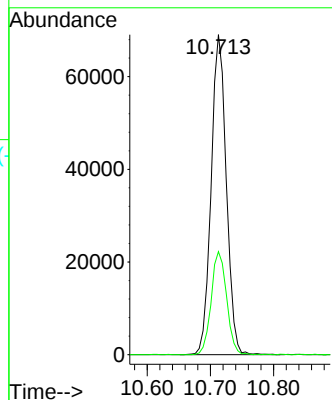
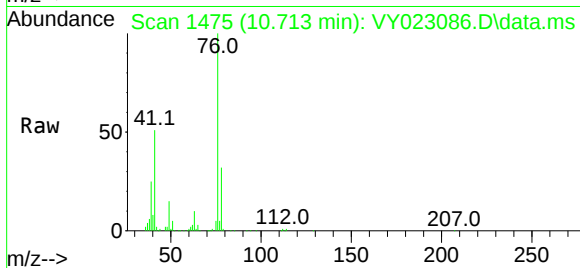
VY0814SBS01

Tgt Ion: 76 Resp: 114859

Ion Ratio Lower Upper

76 100

78 32.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 87.167 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023086.D

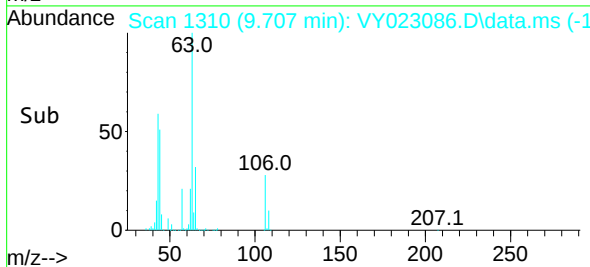
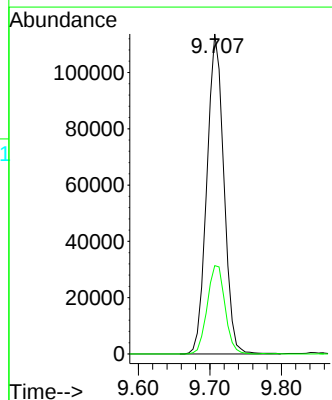
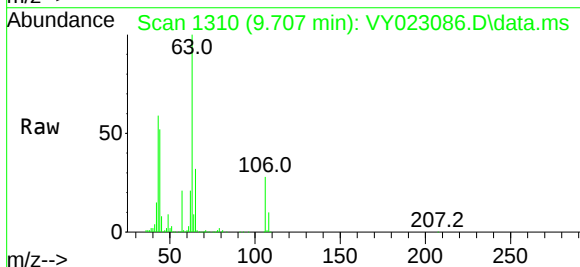
Acq: 14 Aug 2025 11:22

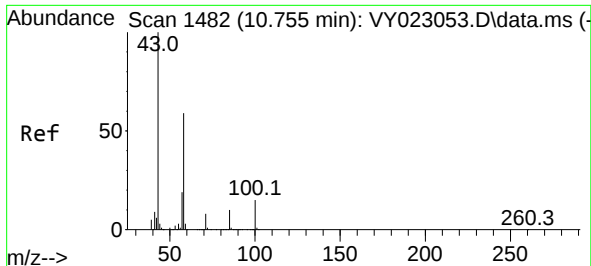
Tgt Ion: 63 Resp: 187201

Ion Ratio Lower Upper

63 100

106 28.9 23.2 34.8

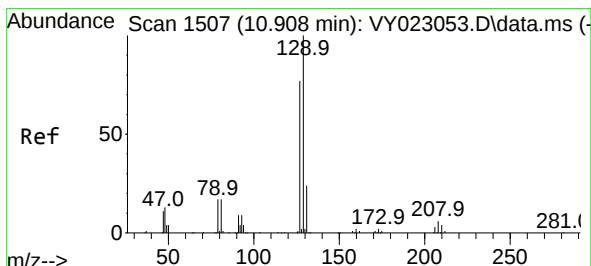
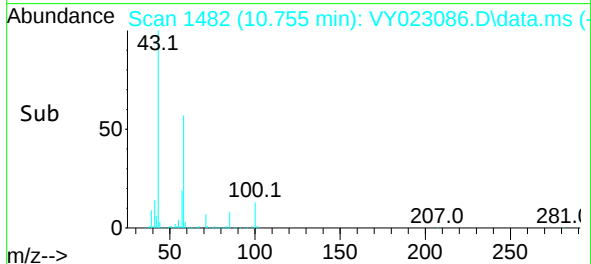
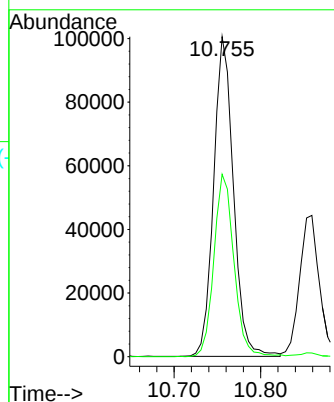
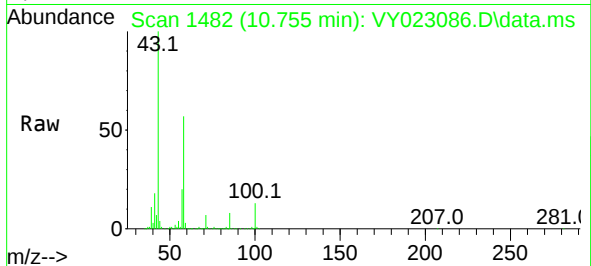




#59  
2-Hexanone  
Concen: 81.934 ug/l  
RT: 10.755 min Scan# 1482  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

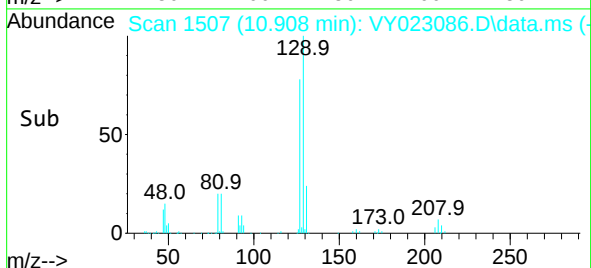
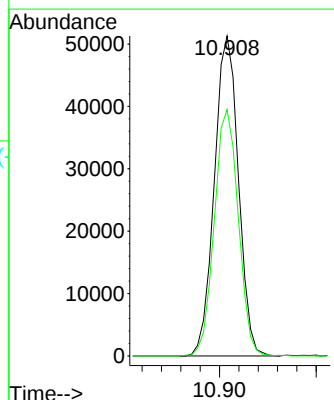
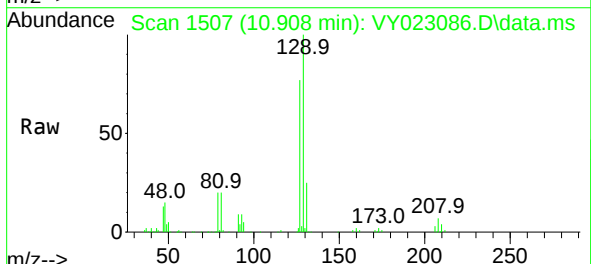
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

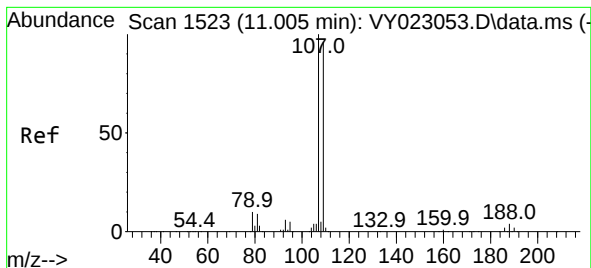
Tgt Ion: 43 Resp: 159619  
Ion Ratio Lower Upper  
43 100  
58 57.8 29.5 88.5



#60  
Dibromochloromethane  
Concen: 18.819 ug/l  
RT: 10.908 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 129 Resp: 88354  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.5 115.5

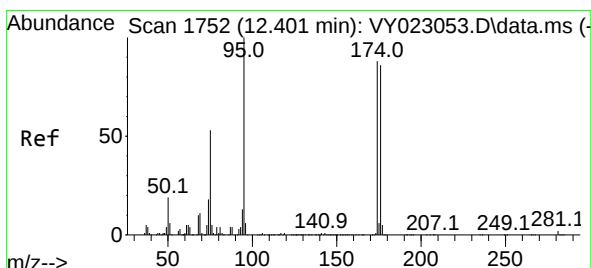
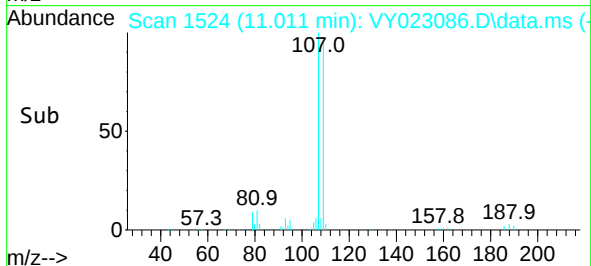
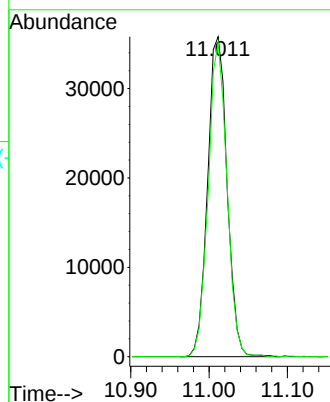
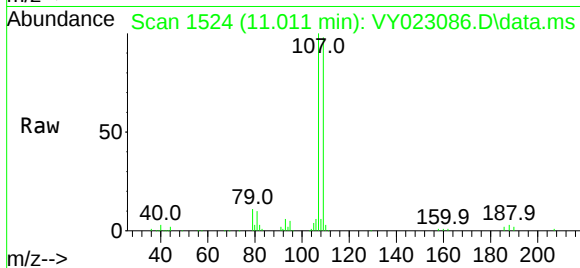




#61  
1,2-Dibromoethane  
Concen: 18.463 ug/l  
RT: 11.011 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

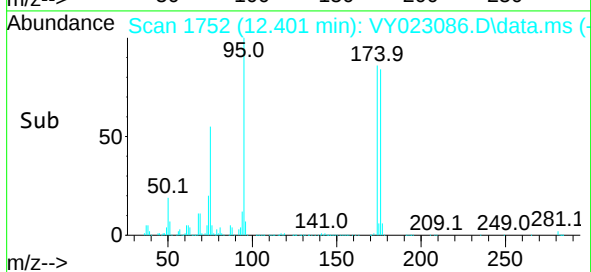
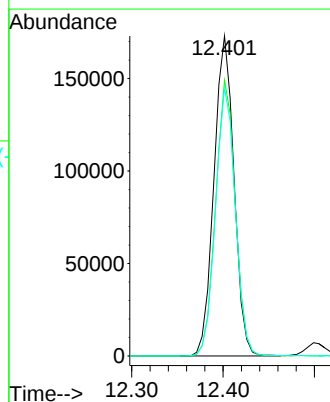
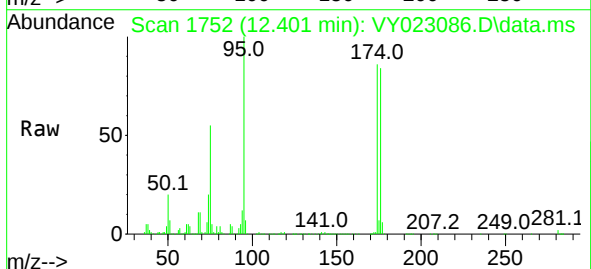
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

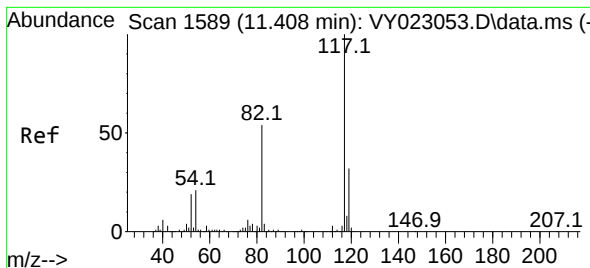
Tgt Ion:107 Resp: 61746  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 47.657 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 95 Resp: 263190  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 171.6  
176 82.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

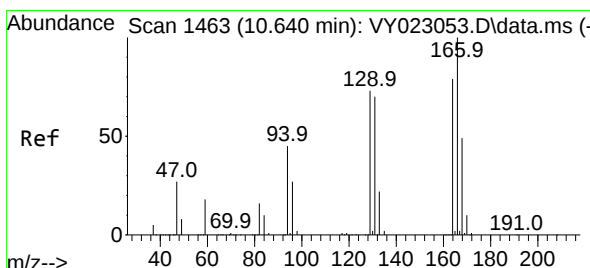
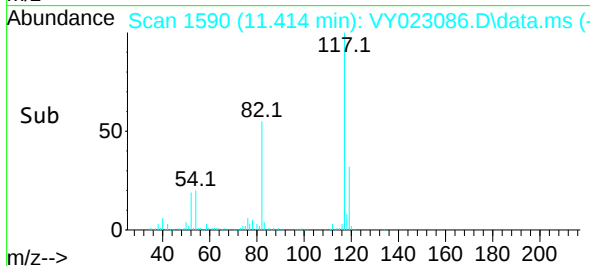
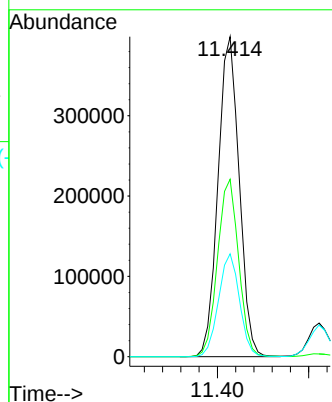
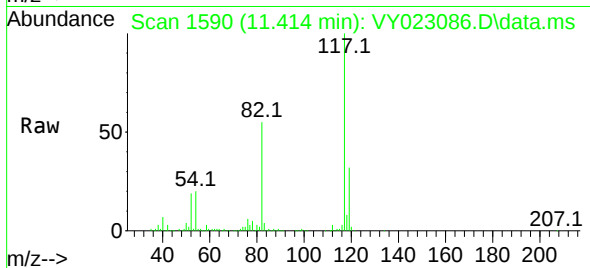
Tgt Ion:117 Resp: 641778

Ion Ratio Lower Upper

117 100

82 55.5 43.4 65.0

119 32.2 25.6 38.4



#64

Tetrachloroethene

Concen: 21.538 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Tgt Ion:164 Resp: 123429

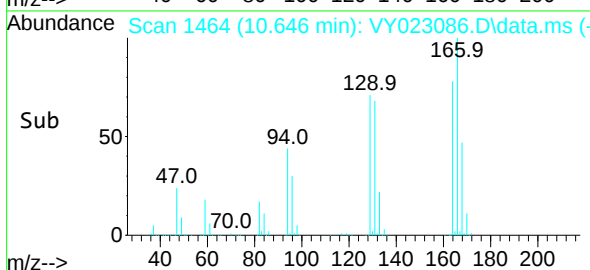
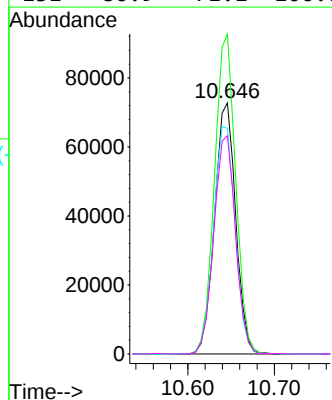
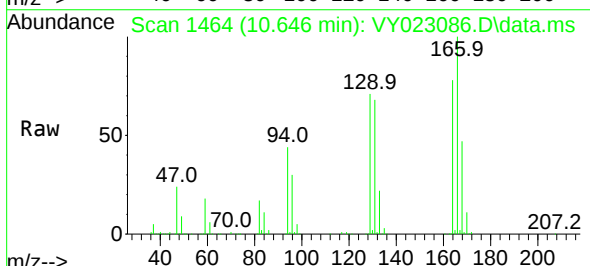
Ion Ratio Lower Upper

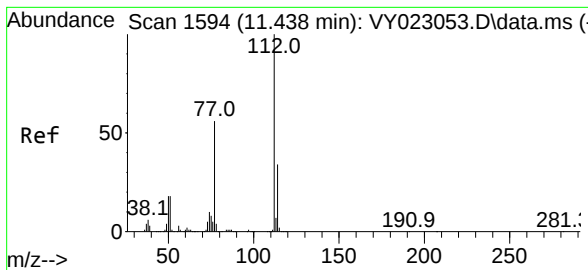
164 100

166 127.4 101.1 151.7

129 90.0 74.0 111.0

131 86.9 71.1 106.7

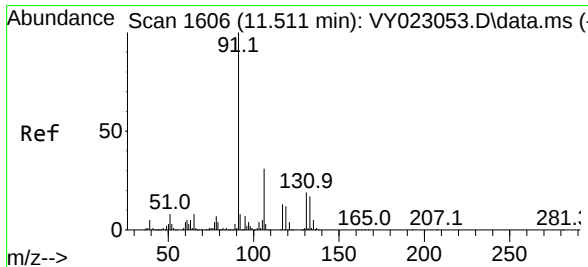
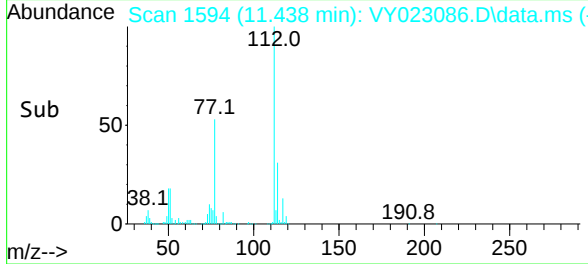
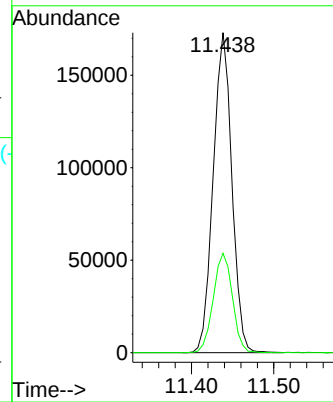
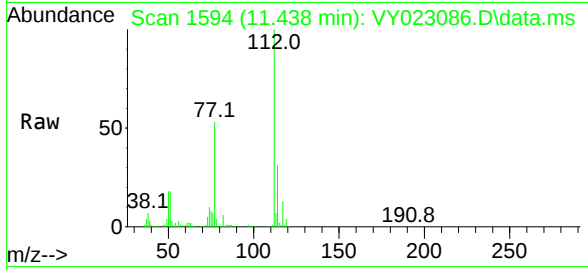




#65  
Chlorobenzene  
Concen: 19.716 ug/l  
RT: 11.438 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

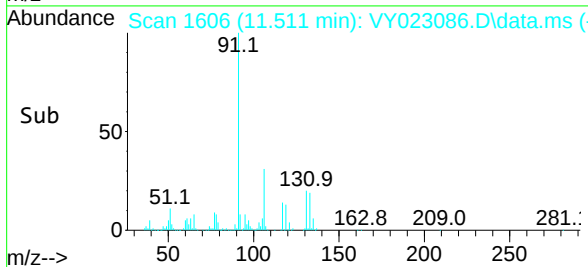
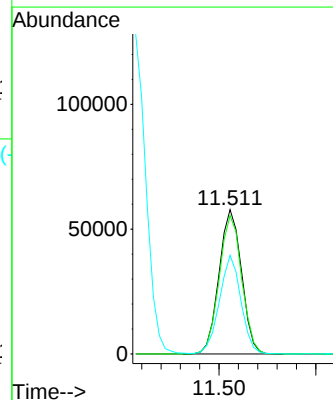
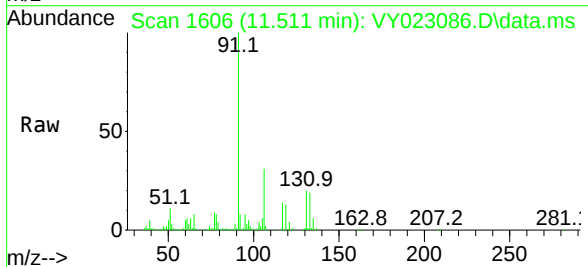
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

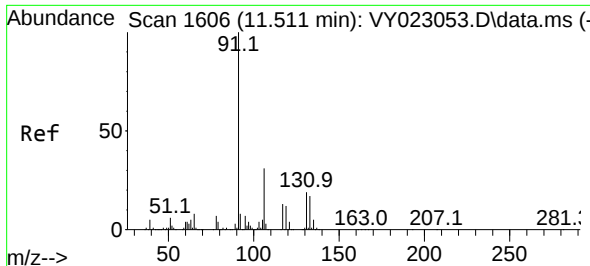
Tgt Ion:112 Resp: 272937  
Ion Ratio Lower Upper  
112 100  
114 31.1 27.0 40.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.819 ug/l  
RT: 11.511 min Scan# 1606  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion:131 Resp: 93115  
Ion Ratio Lower Upper  
131 100  
133 96.1 46.9 140.6  
119 65.5 33.2 99.6

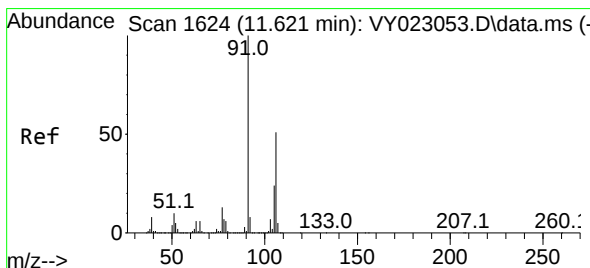
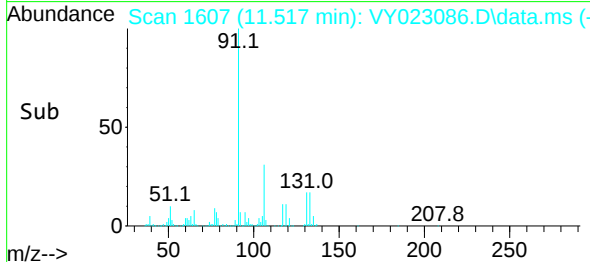
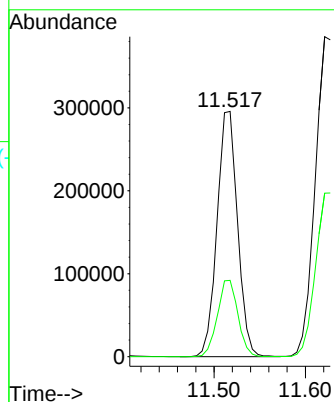
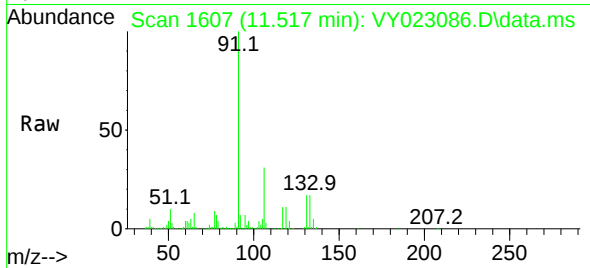




#67  
Ethyl Benzene  
Concen: 19.391 ug/l  
RT: 11.517 min Scan# 1607  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

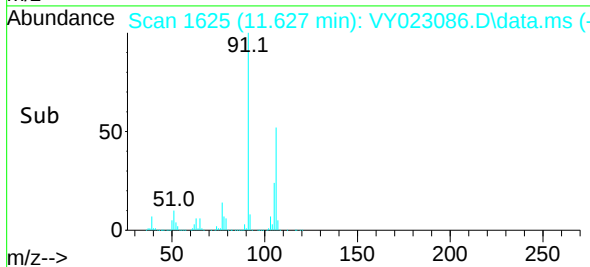
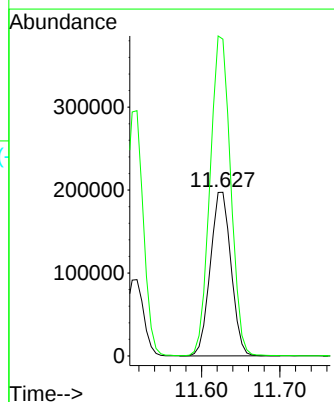
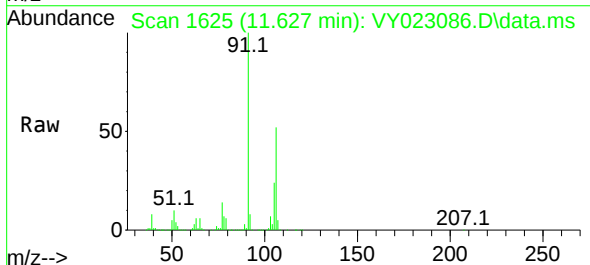
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

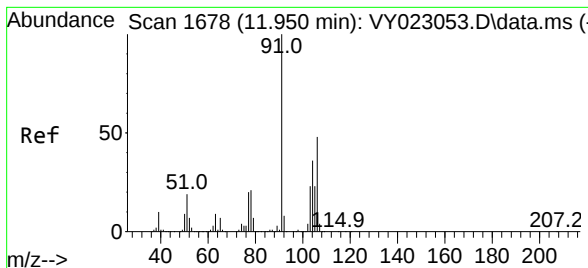
Tgt Ion: 91 Resp: 461952  
Ion Ratio Lower Upper  
91 100  
106 31.1 25.0 37.4



#68  
m/p-Xylenes  
Concen: 38.921 ug/l  
RT: 11.627 min Scan# 1625  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 106 Resp: 362129  
Ion Ratio Lower Upper  
106 100  
91 195.1 158.6 238.0

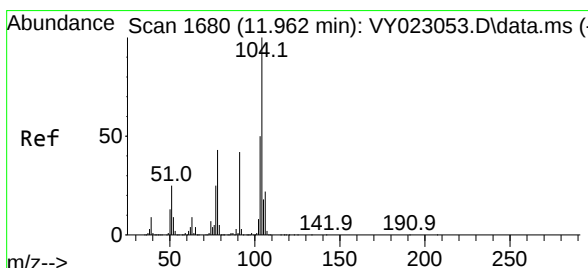
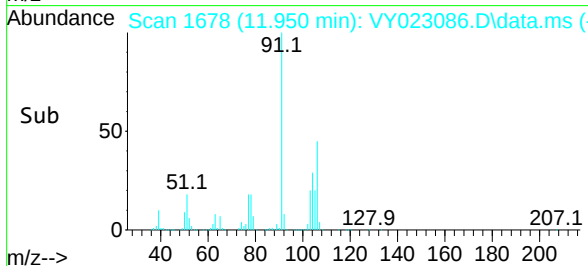
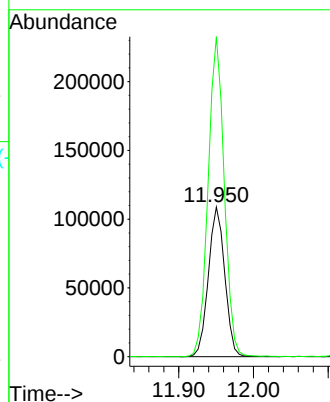
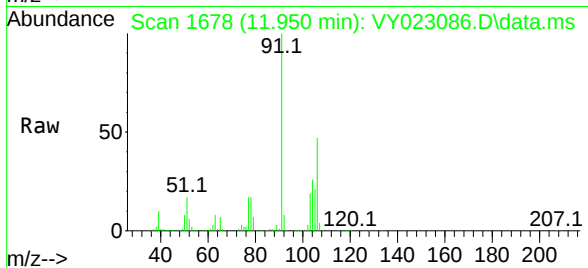




#69  
o-Xylene  
Concen: 18.990 ug/l  
RT: 11.950 min Scan# 1678  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

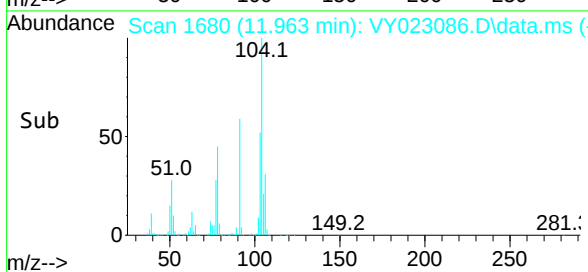
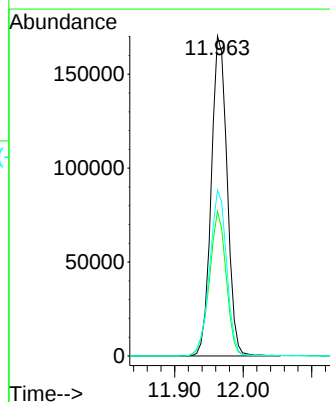
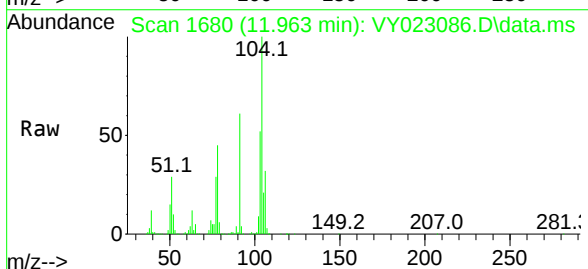
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

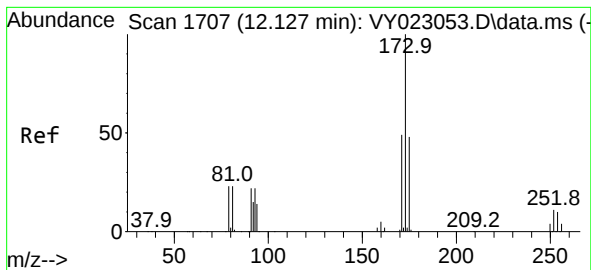
Tgt Ion:106 Resp: 165485  
Ion Ratio Lower Upper  
106 100  
91 210.3 103.2 309.4



#70  
Styrene  
Concen: 19.209 ug/l  
RT: 11.963 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion:104 Resp: 273749  
Ion Ratio Lower Upper  
104 100  
78 48.1 38.5 57.7  
103 55.5 43.7 65.5





#71

Bromoform

Concen: 18.159 ug/l

RT: 12.127 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

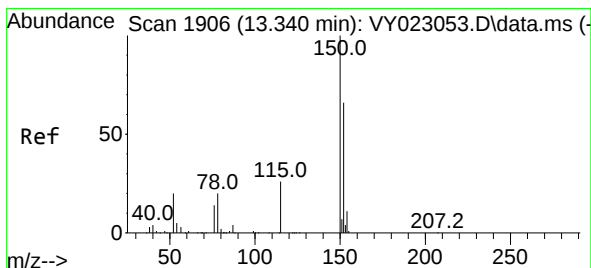
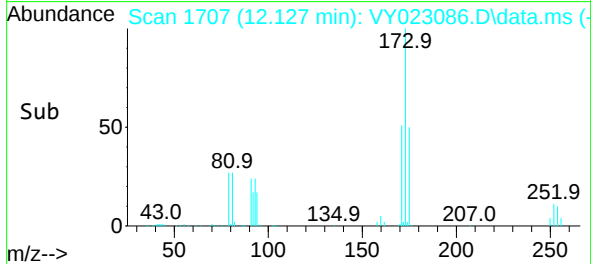
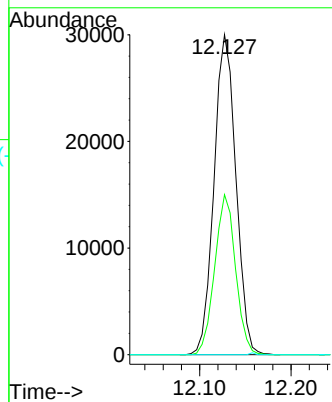
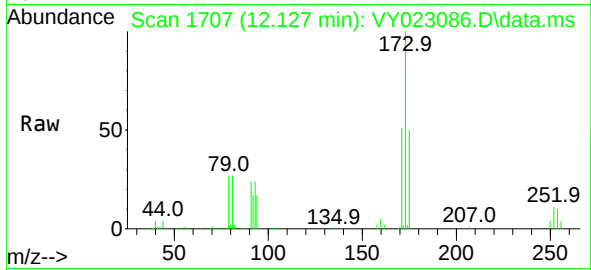
Tgt Ion:173 Resp: 49863

Ion Ratio Lower Upper

173 100

175 47.7 23.9 71.7

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

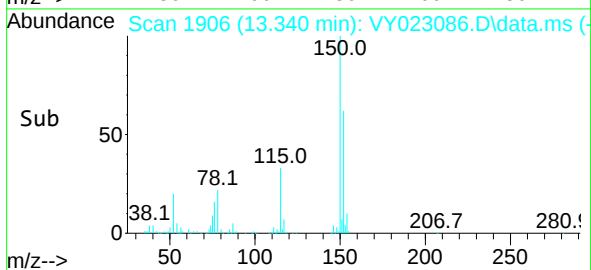
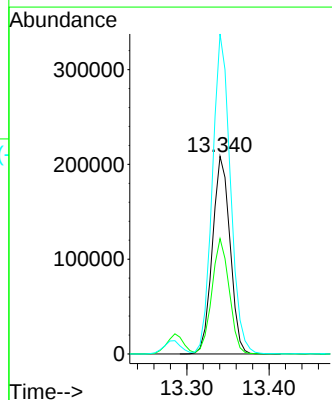
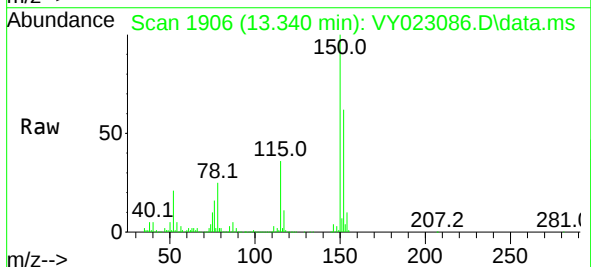
Tgt Ion:152 Resp: 309825

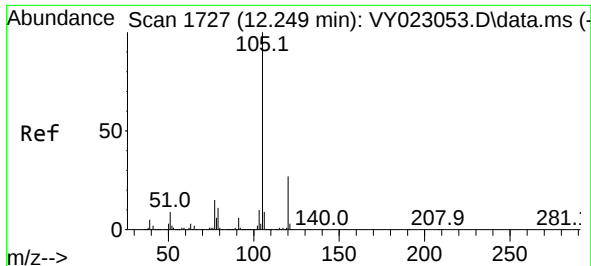
Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.6

150 166.2 0.0 348.0

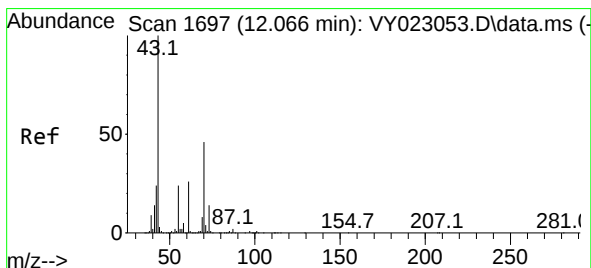
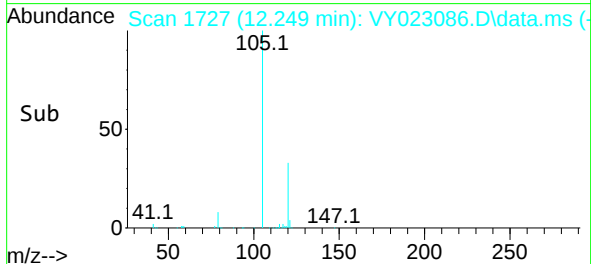
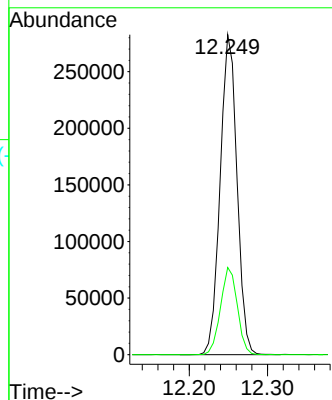
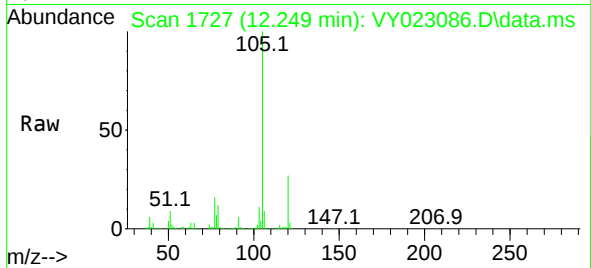




#73  
Isopropylbenzene  
Concen: 19.345 ug/l  
RT: 12.249 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

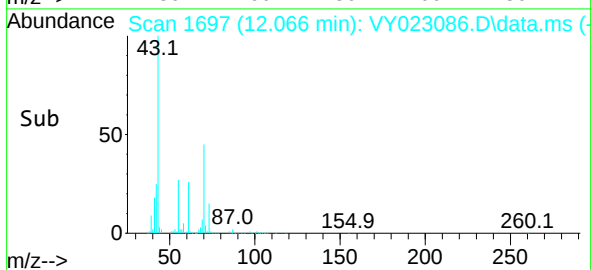
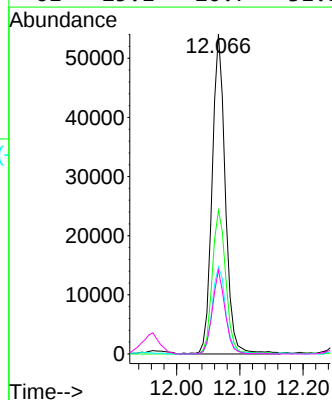
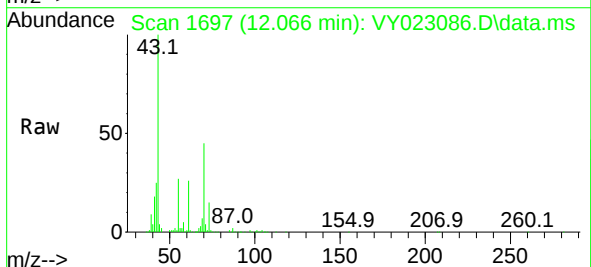
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

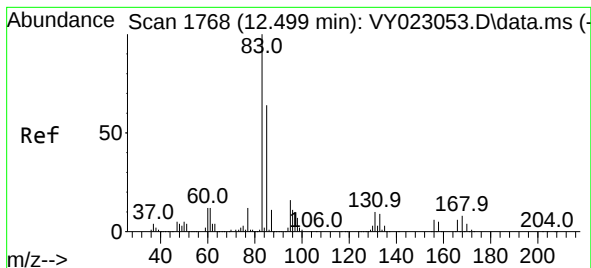
Tgt Ion:105 Resp: 423027  
Ion Ratio Lower Upper  
105 100  
120 27.1 13.4 40.2



#74  
N-ethyl acetate  
Concen: 16.952 ug/l  
RT: 12.066 min Scan# 1697  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 43 Resp: 78613  
Ion Ratio Lower Upper  
43 100  
70 46.5 37.5 56.3  
55 28.0 20.7 31.1  
61 25.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.181 ug/l

RT: 12.499 min Scan# 1768

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

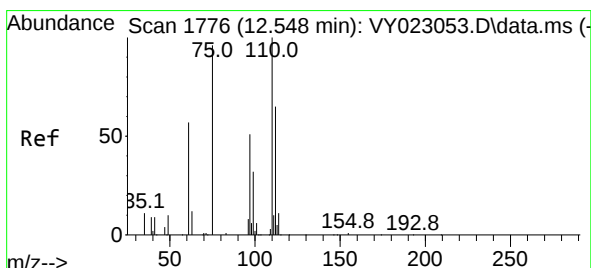
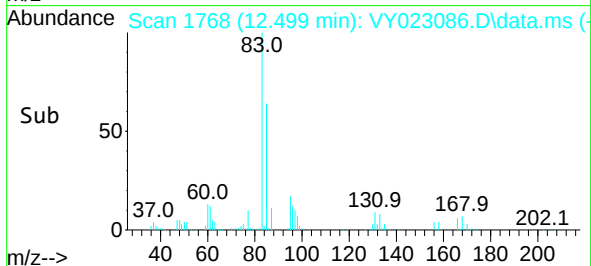
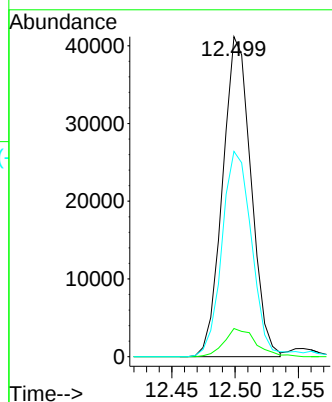
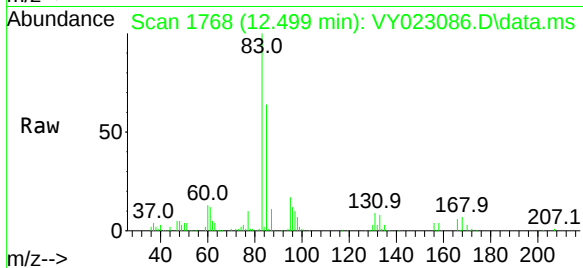
Tgt Ion: 83 Resp: 64150

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.3

85 68.5 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 30.574 ug/l

RT: 12.554 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VY023086.D

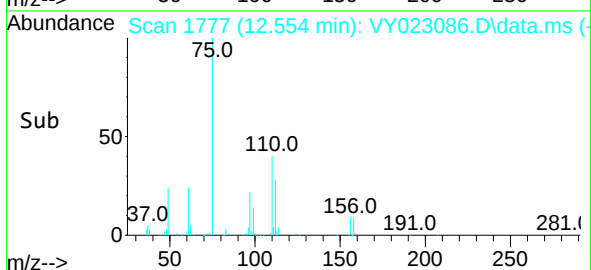
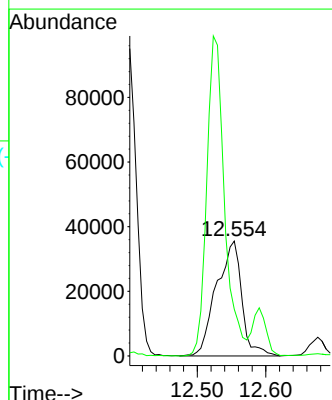
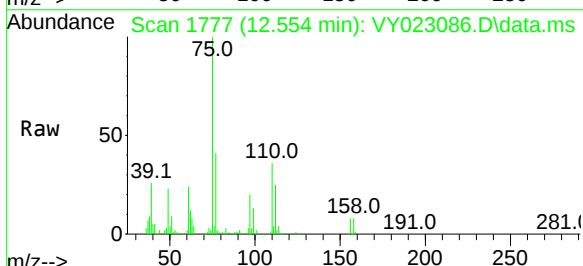
Acq: 14 Aug 2025 11:22

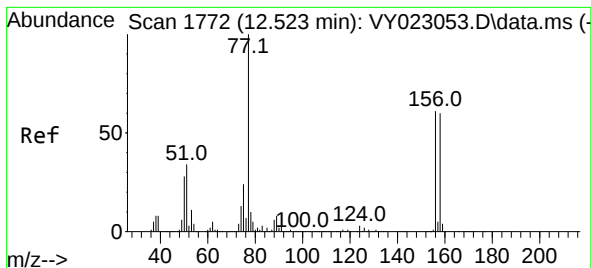
Tgt Ion: 75 Resp: 91421

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.332 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

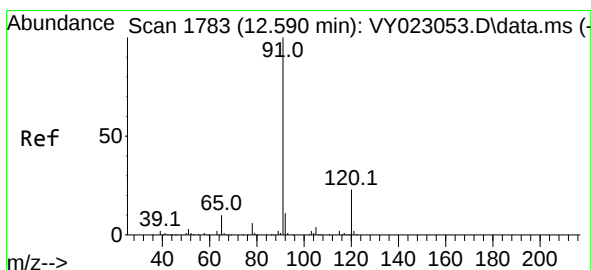
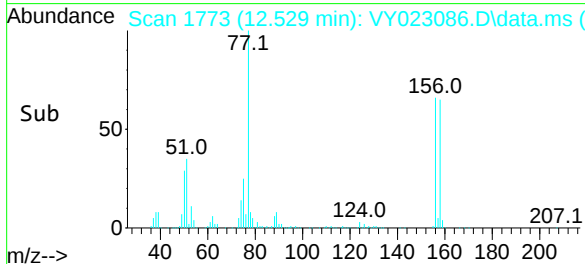
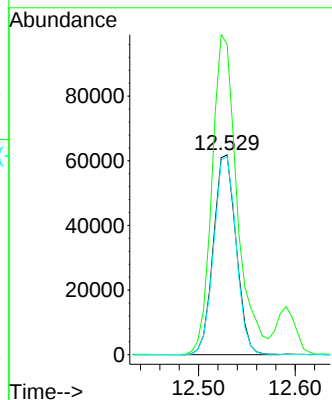
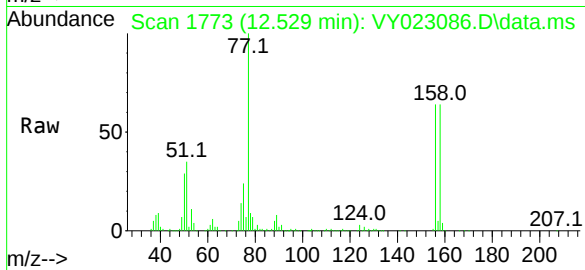
Tgt Ion:156 Resp: 100851

Ion Ratio Lower Upper

156 100

77 178.0 88.1 264.4

158 98.1 48.0 144.0



#78

n-propylbenzene

Concen: 20.001 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023086.D

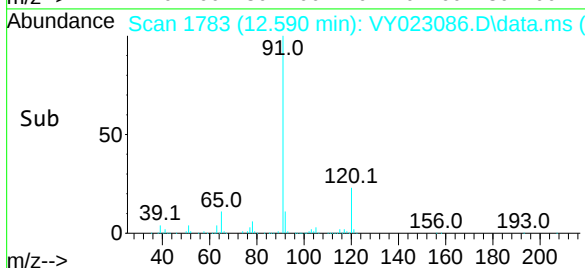
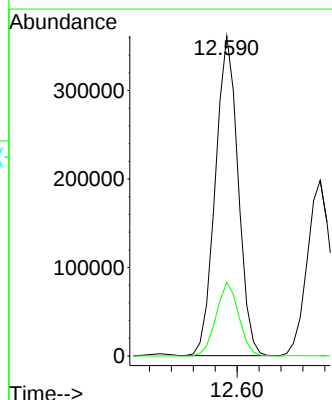
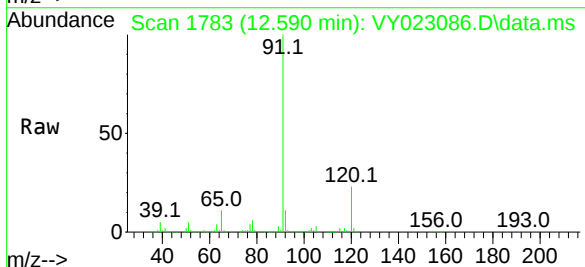
Acq: 14 Aug 2025 11:22

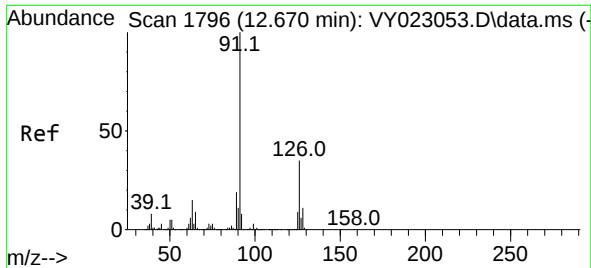
Tgt Ion: 91 Resp: 520711

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.5

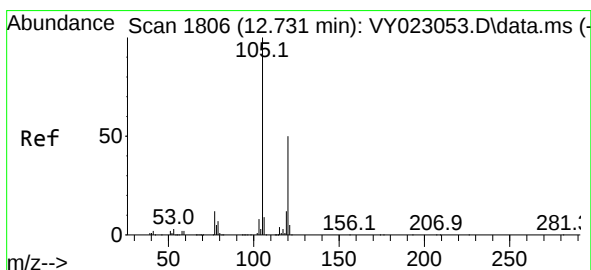
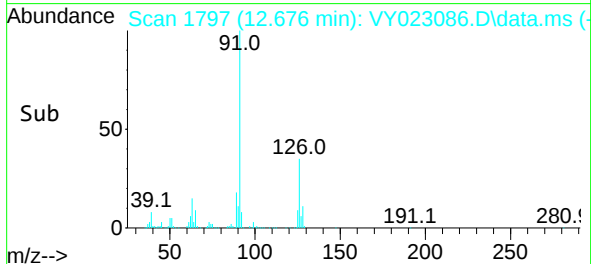
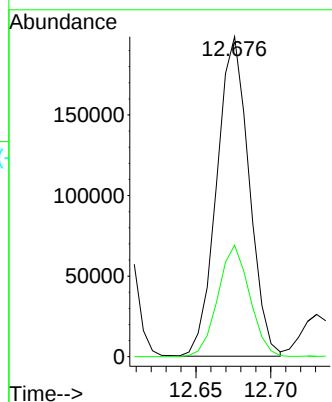
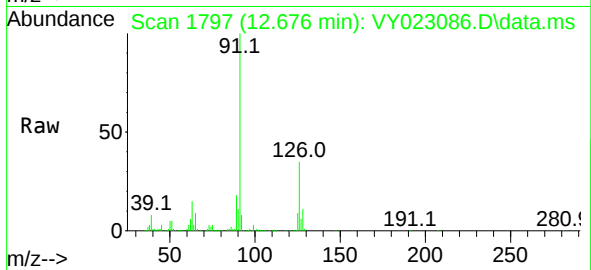




#79  
2-Chlorotoluene  
Concen: 19.962 ug/l  
RT: 12.676 min Scan# 1796  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

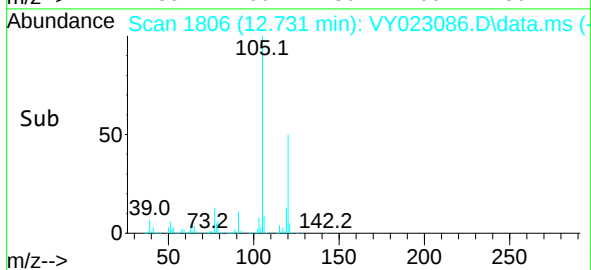
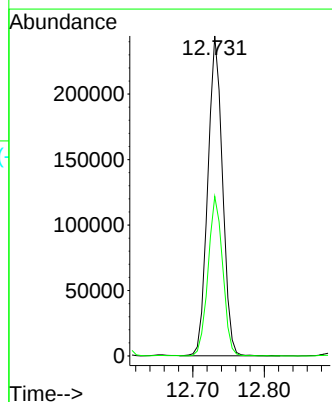
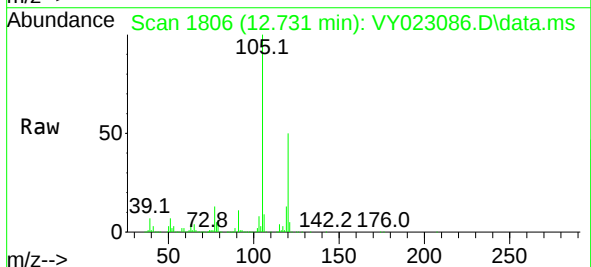
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

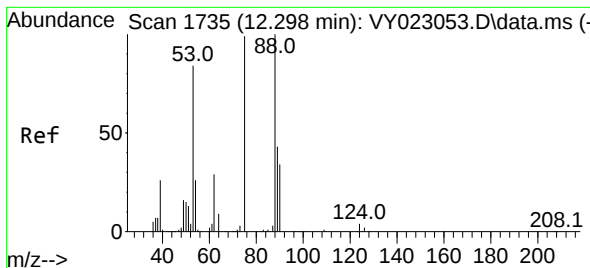
Tgt Ion: 91 Resp: 297769  
Ion Ratio Lower Upper  
91 100  
126 34.3 17.4 52.3



#80  
1,3,5-Trimethylbenzene  
Concen: 19.731 ug/l  
RT: 12.731 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion:105 Resp: 348710  
Ion Ratio Lower Upper  
105 100  
120 49.6 24.8 74.4

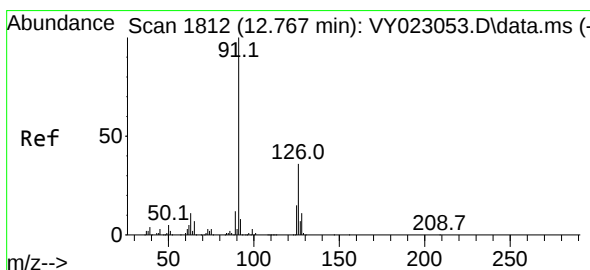
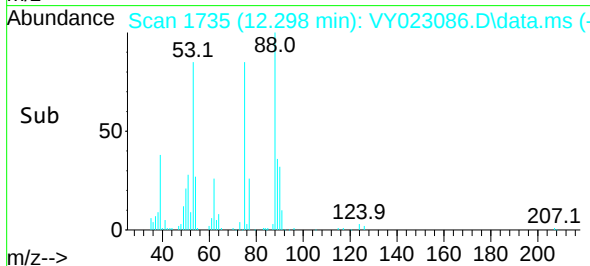
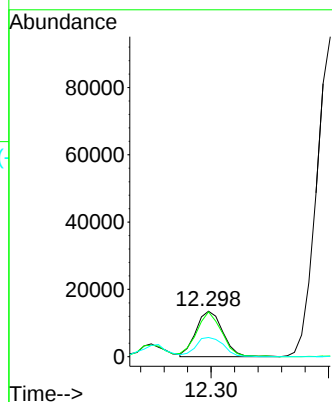
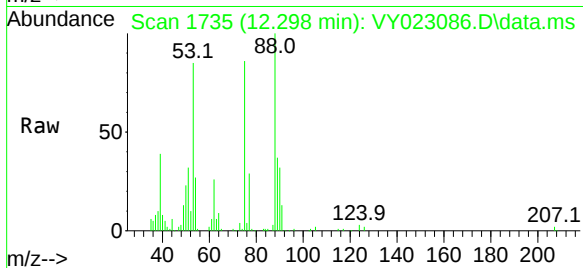




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.398 ug/l  
RT: 12.298 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

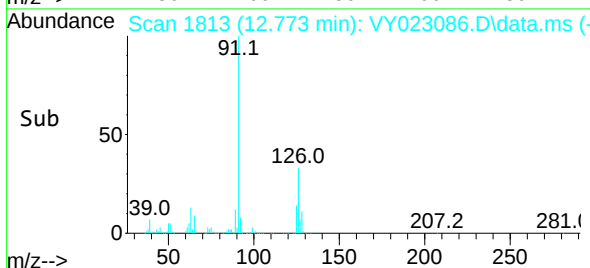
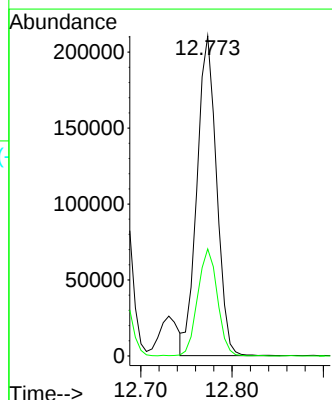
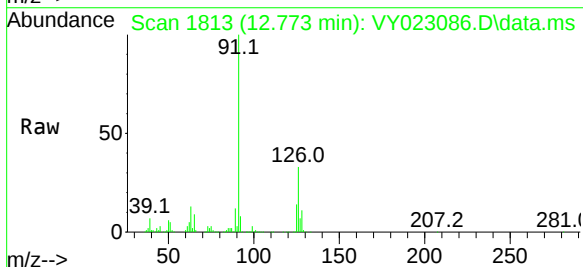
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

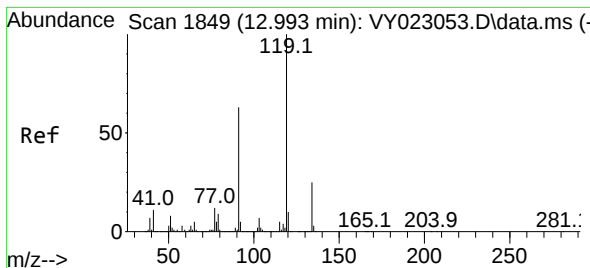
Tgt Ion: 75 Resp: 21491  
Ion Ratio Lower Upper  
75 100  
53 93.8 70.8 106.2  
89 43.7 38.1 57.1



#82  
4-Chlorotoluene  
Concen: 20.205 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 91 Resp: 312655  
Ion Ratio Lower Upper  
91 100  
126 33.7 17.3 52.0

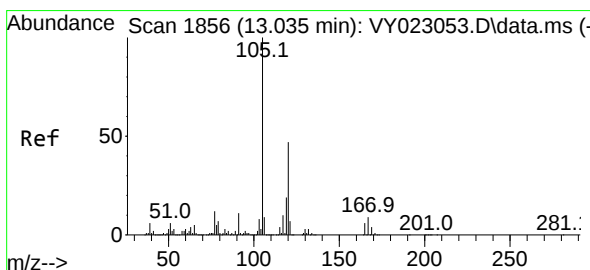
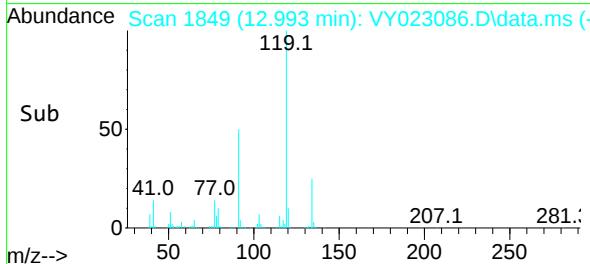
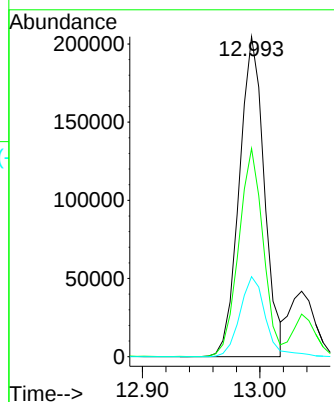
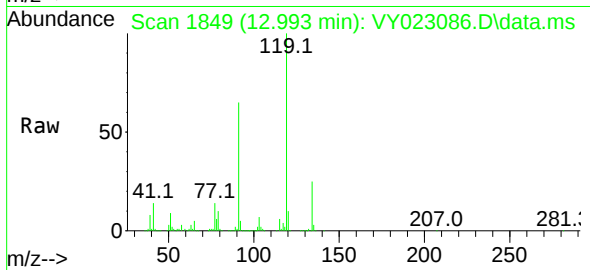




#83  
 tert-Butylbenzene  
 Concen: 18.997 ug/l  
 RT: 12.993 min Scan# 1849  
 Delta R.T. 0.000 min  
 Lab File: VY023086.D  
 Acq: 14 Aug 2025 11:22

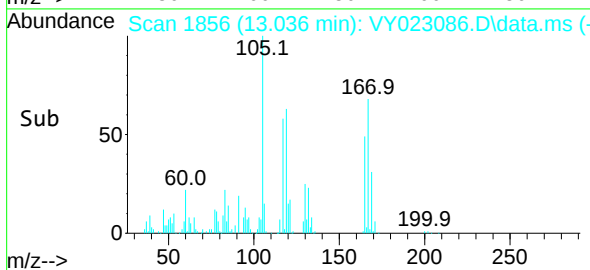
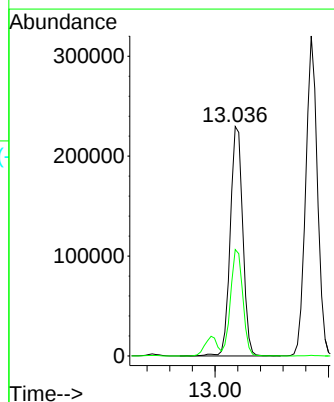
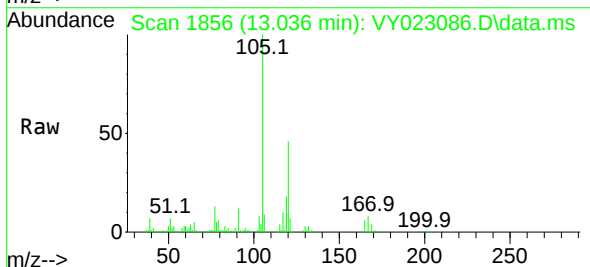
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

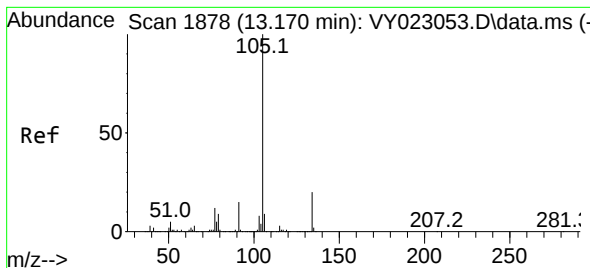
Tgt Ion:119 Resp: 303222  
 Ion Ratio Lower Upper  
 119 100  
 91 63.5 31.6 94.8  
 134 25.8 12.9 38.7



#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.952 ug/l  
 RT: 13.036 min Scan# 1856  
 Delta R.T. 0.000 min  
 Lab File: VY023086.D  
 Acq: 14 Aug 2025 11:22

Tgt Ion:105 Resp: 351003  
 Ion Ratio Lower Upper  
 105 100  
 120 45.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 19.534 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

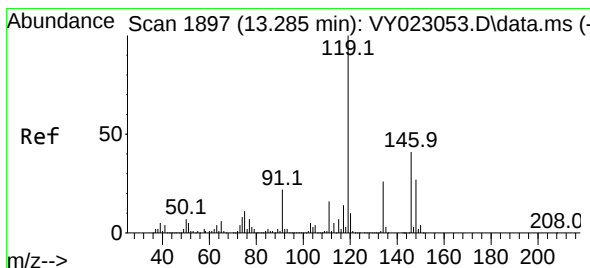
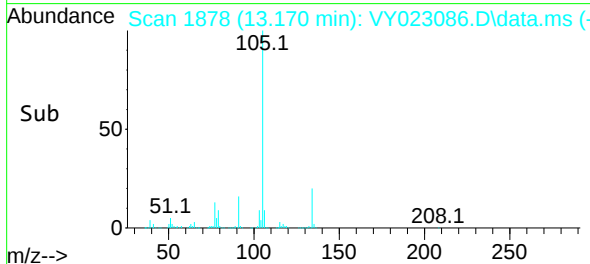
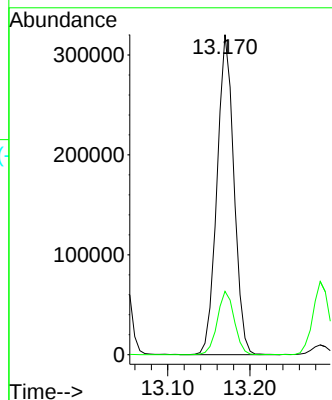
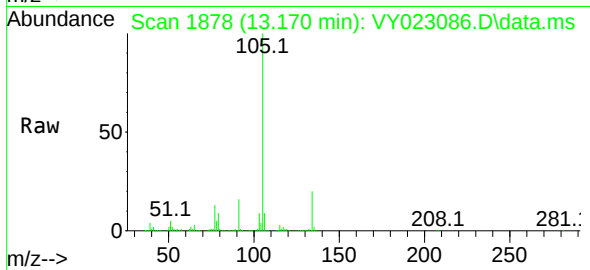
VY0814SBS01

Tgt Ion:105 Resp: 458024

Ion Ratio Lower Upper

105 100

134 19.9 10.2 30.4



#86

p-Isopropyltoluene

Concen: 19.240 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

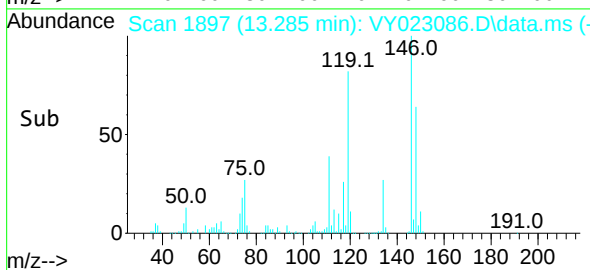
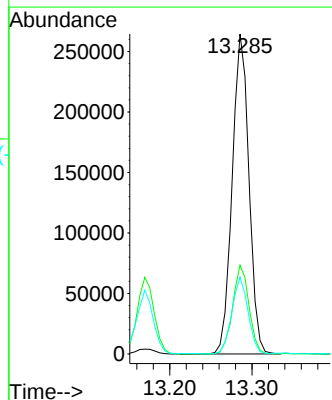
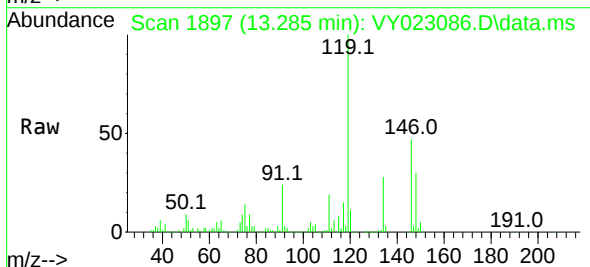
Tgt Ion:119 Resp: 374466

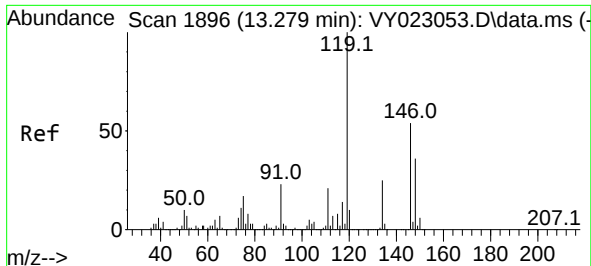
Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.6

91 23.1 11.3 33.8

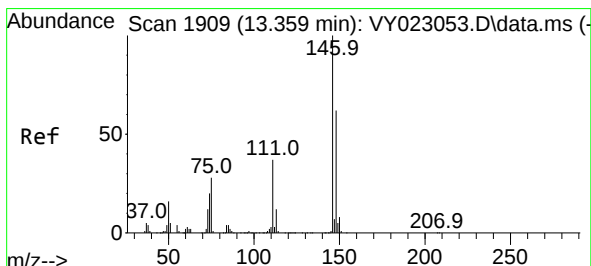
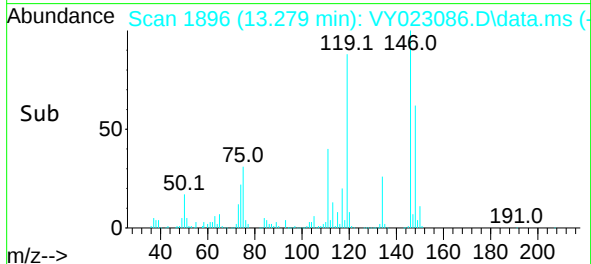
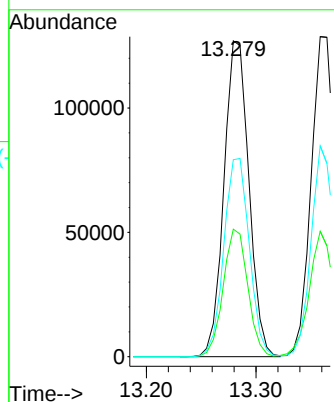
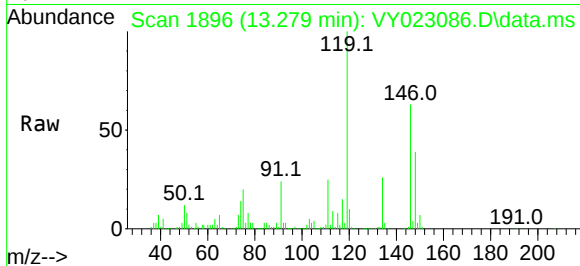




#87  
 1,3-Dichlorobenzene  
 Concen: 19.525 ug/l  
 RT: 13.279 min Scan# 1896  
 Delta R.T. 0.000 min  
 Lab File: VY023086.D  
 Acq: 14 Aug 2025 11:22

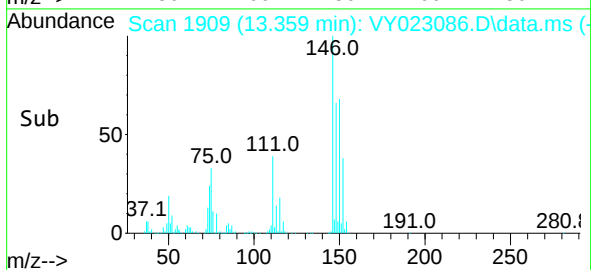
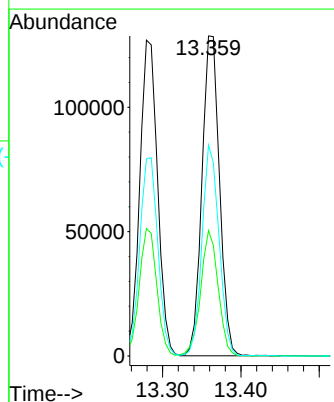
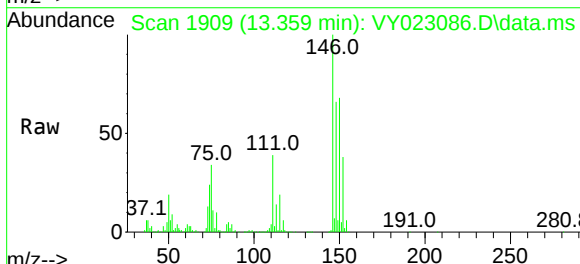
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

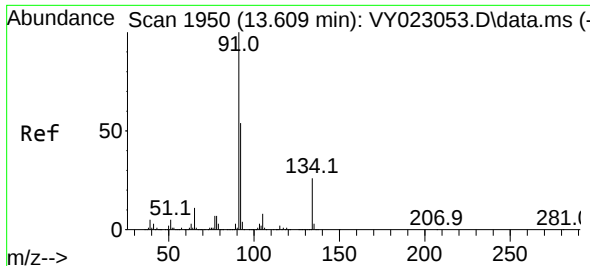
Tgt Ion:146 Resp: 200869  
 Ion Ratio Lower Upper  
 146 100  
 111 39.8 19.6 58.7  
 148 64.2 32.5 97.5



#88  
 1,4-Dichlorobenzene  
 Concen: 19.626 ug/l  
 RT: 13.359 min Scan# 1909  
 Delta R.T. 0.000 min  
 Lab File: VY023086.D  
 Acq: 14 Aug 2025 11:22

Tgt Ion:146 Resp: 200293  
 Ion Ratio Lower Upper  
 146 100  
 111 39.2 19.1 57.1  
 148 64.3 31.6 94.7

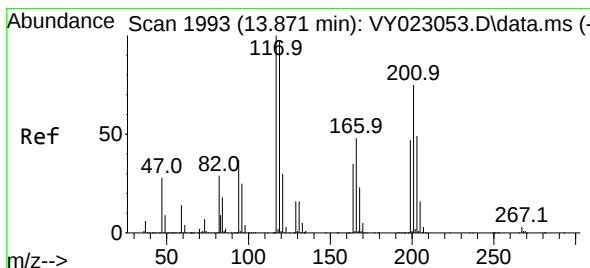
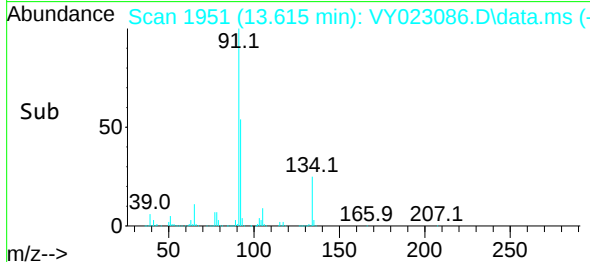
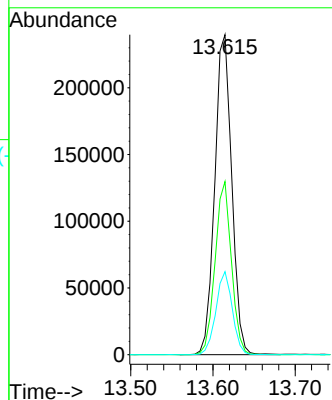
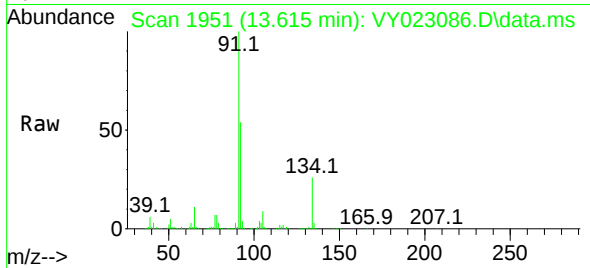




#89  
n-Butylbenzene  
Concen: 19.289 ug/l  
RT: 13.615 min Scan# 1951  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

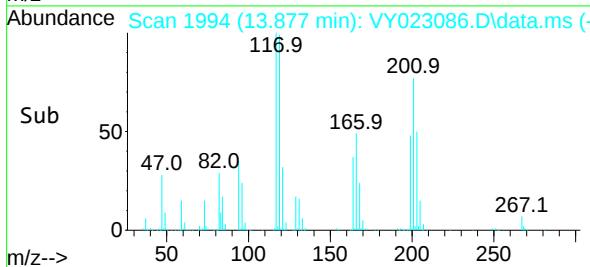
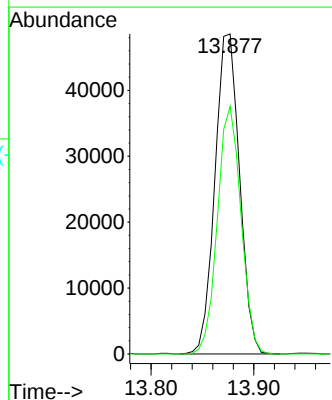
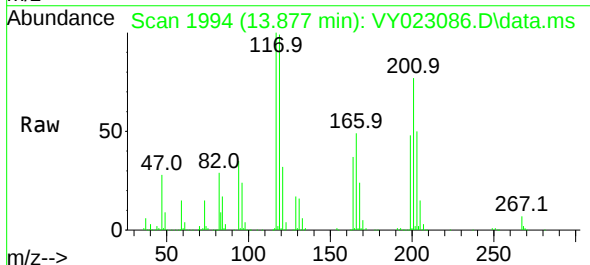
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

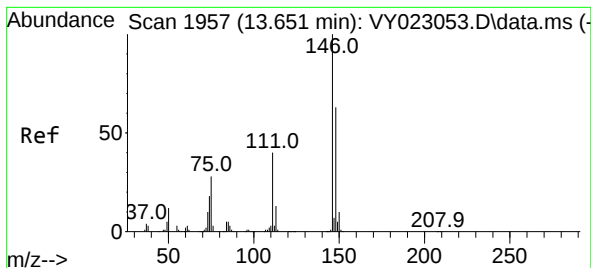
Tgt Ion: 91 Resp: 344791  
Ion Ratio Lower Upper  
91 100  
92 52.1 26.9 80.7  
134 25.1 13.2 39.5



#90  
Hexachloroethane  
Concen: 20.252 ug/l  
RT: 13.877 min Scan# 1994  
Delta R.T. 0.006 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

Tgt Ion: 117 Resp: 80689  
Ion Ratio Lower Upper  
117 100  
201 74.1 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 19.158 ug/l

RT: 13.651 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

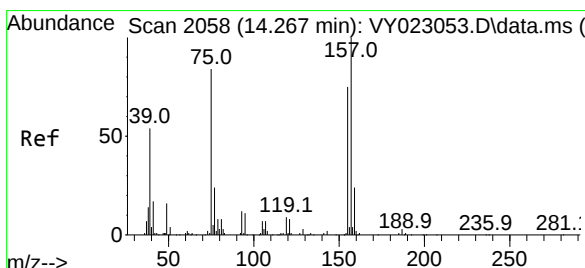
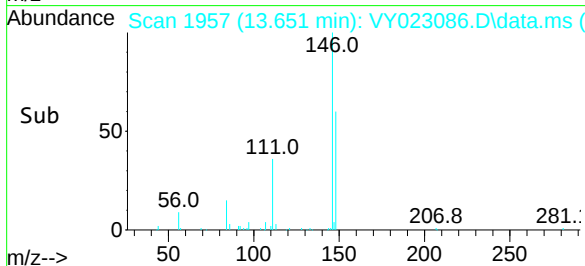
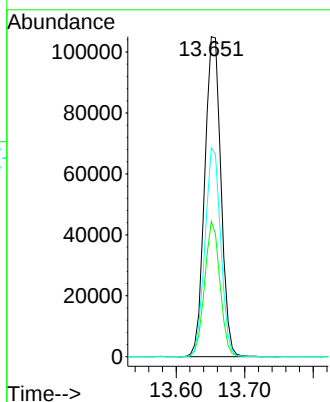
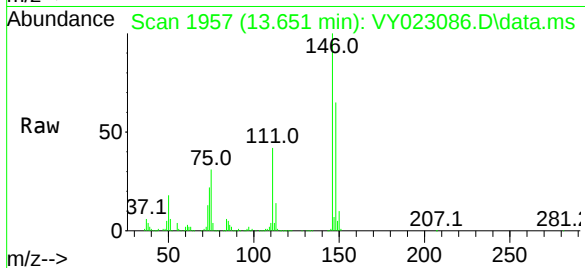
Tgt Ion:146 Resp: 172852

Ion Ratio Lower Upper

146 100

111 40.0 20.3 60.8

148 63.6 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.982 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

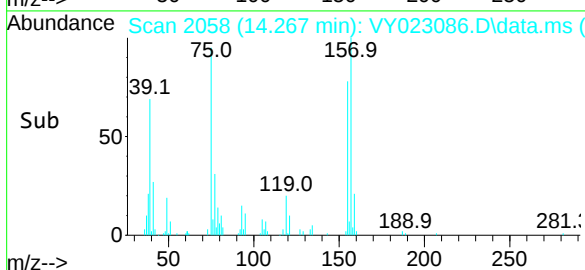
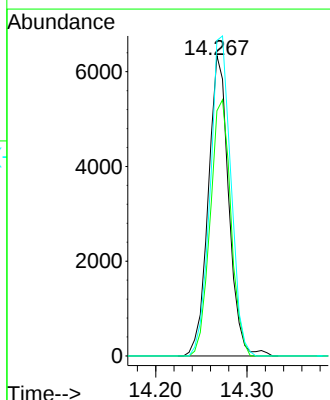
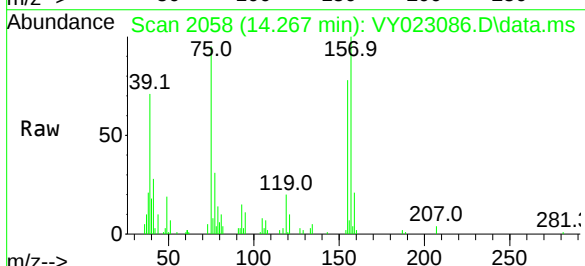
Tgt Ion: 75 Resp: 9872

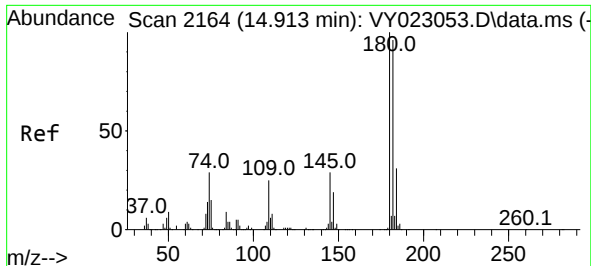
Ion Ratio Lower Upper

75 100

155 85.7 43.9 131.6

157 107.5 57.2 171.6

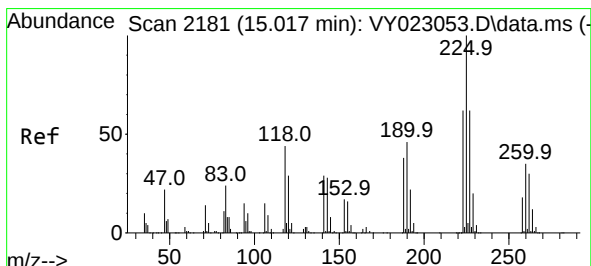
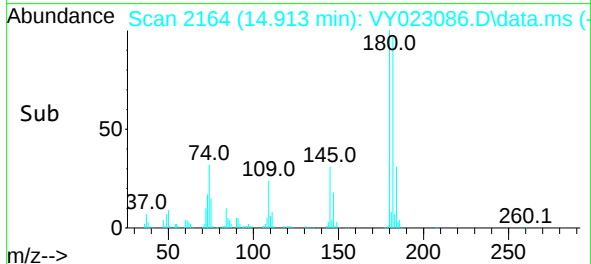
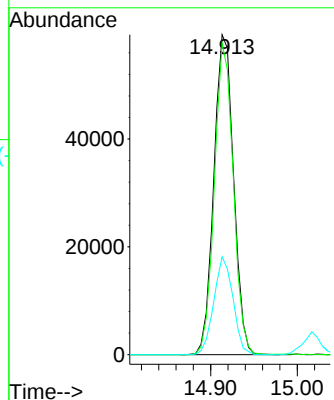
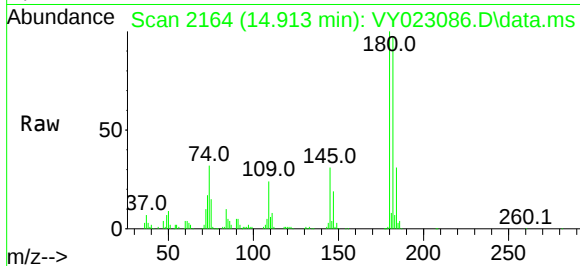




#93  
1,2,4-Trichlorobenzene  
Concen: 17.602 ug/l  
RT: 14.913 min Scan# 2164  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

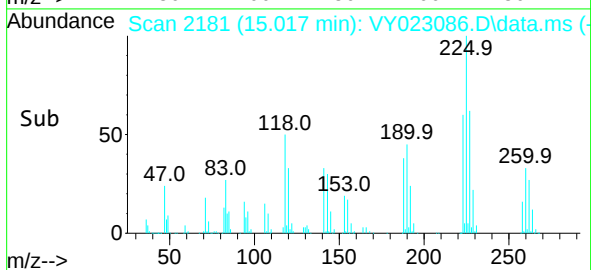
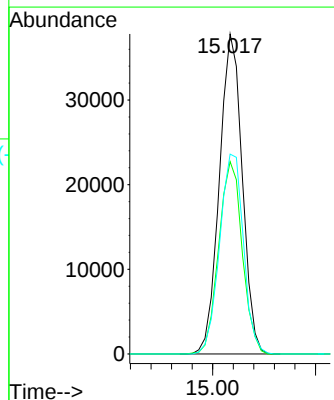
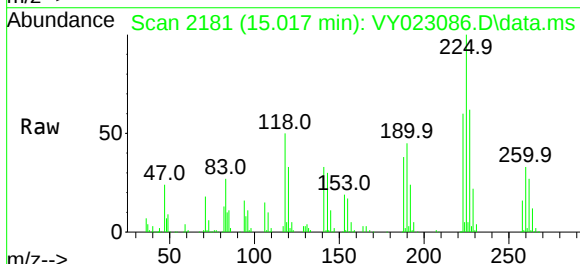
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

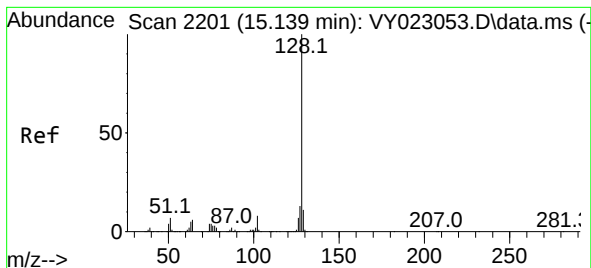
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.2  | 46.8  | 140.4 |
| 145     | 29.7  | 14.4  | 43.4  |



#94  
Hexachlorobutadiene  
Concen: 18.595 ug/l  
RT: 15.017 min Scan# 2181  
Delta R.T. 0.000 min  
Lab File: VY023086.D  
Acq: 14 Aug 2025 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.8  | 31.3  | 93.8  |
| 227     | 65.2  | 31.5  | 94.5  |





#95

Naphthalene

Concen: 15.638 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

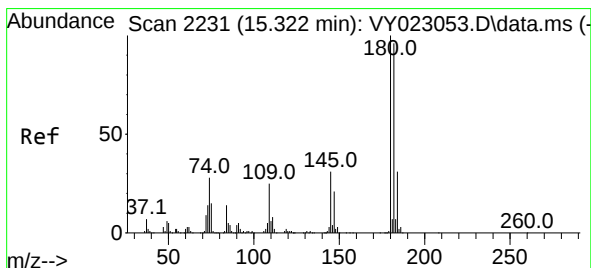
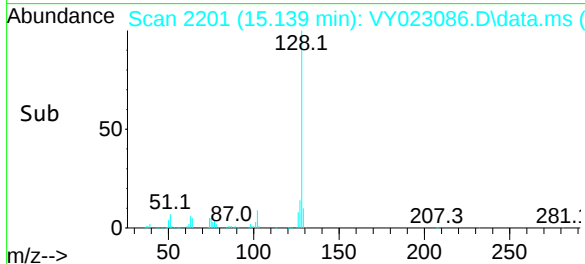
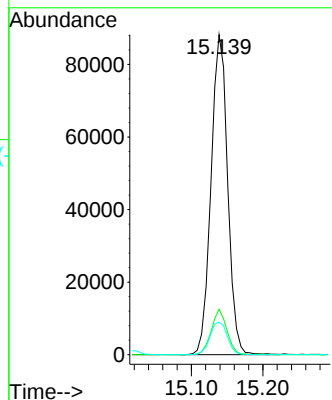
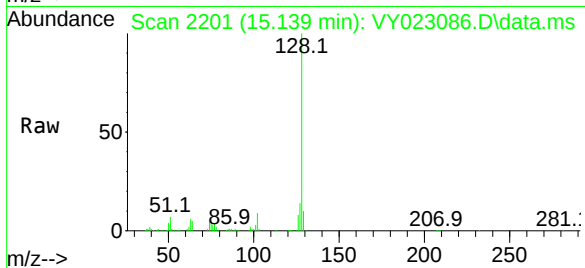
Tgt Ion:128 Resp: 142271

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.7 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 17.308 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023086.D

Acq: 14 Aug 2025 11:22

Tgt Ion:180 Resp: 79576

Ion Ratio Lower Upper

180 100

182 93.6 47.9 143.7

145 31.2 15.9 47.7

