

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
 Data File : VY023545.D  
 Acq On : 22 Oct 2025 10:28  
 Operator : SY/MD  
 Sample : VY1022SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1022SBS01

Quant Time: Oct 24 02:26:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 546555   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 794303   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 700136   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 365280   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 208863   | 45.699   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 91.400% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 240525   | 49.282   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.560% |
| 50) Toluene-d8              | 10.109 | 98    | 904633   | 49.771   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.540% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 295724   | 49.281   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 98.560% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 78862  | 20.046  | ug/l   | 99  |
| 3) Chloromethane             | 2.074 | 50  | 96728  | 18.049  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.208 | 62  | 130661 | 18.718  | ug/l   | 99  |
| 5) Bromomethane              | 2.592 | 94  | 117294 | 20.024  | ug/l   | 99  |
| 6) Chloroethane              | 2.739 | 64  | 94090  | 19.775  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.056 | 101 | 195620 | 20.184  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.458 | 74  | 51088  | 20.172  | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 107027 | 21.280  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.007 | 142 | 117165 | 20.926  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 4.860 | 59  | 28049  | 82.495  | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 100716 | 20.658  | ug/l   | 96  |
| 13) Acrolein                 | 3.653 | 56  | 23166  | 48.218  | ug/l   | 91  |
| 14) Allyl chloride           | 4.391 | 41  | 110064 | 18.524  | ug/l   | 96  |
| 15) Acrylonitrile            | 5.061 | 53  | 90176  | 93.042  | ug/l   | 99  |
| 16) Acetone                  | 3.873 | 43  | 137184 | 126.081 | ug/l   | 98  |
| 17) Carbon Disulfide         | 4.110 | 76  | 268938 | 19.273  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.391 | 43  | 49297  | 17.272  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 5.122 | 73  | 231882 | 19.789  | ug/l   | 97  |
| 20) Methylene Chloride       | 4.622 | 84  | 108140 | 18.380  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 5.116 | 96  | 109389 | 20.379  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.019 | 45  | 262379 | 19.963  | ug/l   | 96  |
| 23) Vinyl Acetate            | 5.964 | 43  | 681501 | 95.797  | ug/l   | 96  |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 178683 | 20.524  | ug/l   | 100 |
| 25) 2-Butanone               | 6.896 | 43  | 142981 | 107.638 | ug/l   | 95  |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 167931 | 21.021  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 131514 | 21.211  | ug/l   | 94  |
| 28) Bromochloromethane       | 7.250 | 49  | 62608  | 19.264  | ug/l   | 94  |
| 29) Tetrahydrofuran          | 7.262 | 42  | 65038  | 86.341  | ug/l   | 93  |
| 30) Chloroform               | 7.421 | 83  | 202767 | 21.198  | ug/l   | 98  |
| 31) Cyclohexane              | 7.707 | 56  | 146973 | 19.331  | ug/l   | 89  |
| 32) 1,1,1-Trichloroethane    | 7.622 | 97  | 185487 | 21.339  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 134867 | 20.873  | ug/l   | 98  |
| 37) Ethyl Acetate            | 6.988 | 43  | 47665  | 18.620  | ug/l # | 96  |
| 38) Carbon Tetrachloride     | 7.823 | 117 | 167506 | 21.380  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.109 | 83  | 174367 | 20.726  | ug/l   | 98  |
| 40) Benzene                  | 8.085 | 78  | 432933 | 21.157  | ug/l   | 98  |

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 Sample : VY1022SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1022SBS01

Quant Time: Oct 24 02:26:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 23647    | 17.080  | ug/l  | # 67     |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 104422   | 19.787  | ug/l  | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 93851    | 18.386  | ug/l  | 96       |
| 44) Trichloroethene           | 8.866  | 130  | 131401   | 21.940  | ug/l  | 99       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 94941    | 21.006  | ug/l  | 99       |
| 46) Dibromomethane            | 9.231  | 93   | 59570    | 20.843  | ug/l  | 98       |
| 47) Bromodichloromethane      | 9.426  | 83   | 152859   | 21.237  | ug/l  | 99       |
| 48) Methyl methacrylate       | 9.225  | 41   | 43753    | 18.246  | ug/l  | 92       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 12196    | 368.059 | ug/l  | 96       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 253262   | 96.032  | ug/l  | 99       |
| 52) Toluene                   | 10.170 | 92   | 292104   | 21.986  | ug/l  | 98       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 131626   | 21.031  | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 154563   | 20.924  | ug/l  | 97       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 82907    | 21.572  | ug/l  | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 87648    | 19.771  | ug/l  | 93       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 126727   | 20.809  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 191490   | 96.421  | ug/l  | 98       |
| 59) 2-Hexanone                | 10.762 | 43   | 201768   | 107.056 | ug/l  | 97       |
| 60) Dibromochloromethane      | 10.908 | 129  | 115294   | 21.397  | ug/l  | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 77772    | 21.218  | ug/l  | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 165184   | 22.850  | ug/l  | 99       |
| 65) Chlorobenzene             | 11.444 | 112  | 325435   | 21.371  | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 116407   | 21.452  | ug/l  | 100      |
| 67) Ethyl Benzene             | 11.518 | 91   | 522038   | 21.179  | ug/l  | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 428308   | 43.322  | ug/l  | 99       |
| 69) o-Xylene                  | 11.956 | 106  | 200731   | 21.646  | ug/l  | 97       |
| 70) Styrene                   | 11.969 | 104  | 325186   | 21.324  | ug/l  | 100      |
| 71) Bromoform                 | 12.133 | 173  | 69048    | 20.514  | ug/l  | # 99     |
| 73) Isopropylbenzene          | 12.255 | 105  | 521665   | 21.671  | ug/l  | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 76665    | 17.731  | ug/l  | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 75537    | 19.185  | ug/l  | 97       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 106719   | 33.114  | ug/l  | # 100    |
| 77) Bromobenzene              | 12.530 | 156  | 136360   | 21.307  | ug/l  | 97       |
| 78) n-propylbenzene           | 12.597 | 91   | 603121   | 21.651  | ug/l  | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 348031   | 21.335  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 426677   | 21.935  | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 26519    | 20.178  | ug/l  | 97       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 358213   | 21.322  | ug/l  | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 393129   | 21.889  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 420267   | 21.648  | ug/l  | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 561763   | 21.804  | ug/l  | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 485141   | 22.116  | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 265067   | 21.270  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 260280   | 21.147  | ug/l  | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 407439   | 21.317  | ug/l  | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 100017   | 21.199  | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 232327   | 21.264  | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 12117    | 18.756  | ug/l  | 97       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 138915   | 20.394  | ug/l  | 100      |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 88730    | 20.897  | ug/l  | 97       |
| 95) Naphthalene               | 15.145 | 128  | 204152   | 18.822  | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 116532   | 19.751  | ug/l  | 100      |

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Data File : VY023545.D  
Acq On : 22 Oct 2025 10:28  
Operator : SY/MD  
Sample : VY1022SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Quant Time: Oct 24 02:26:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

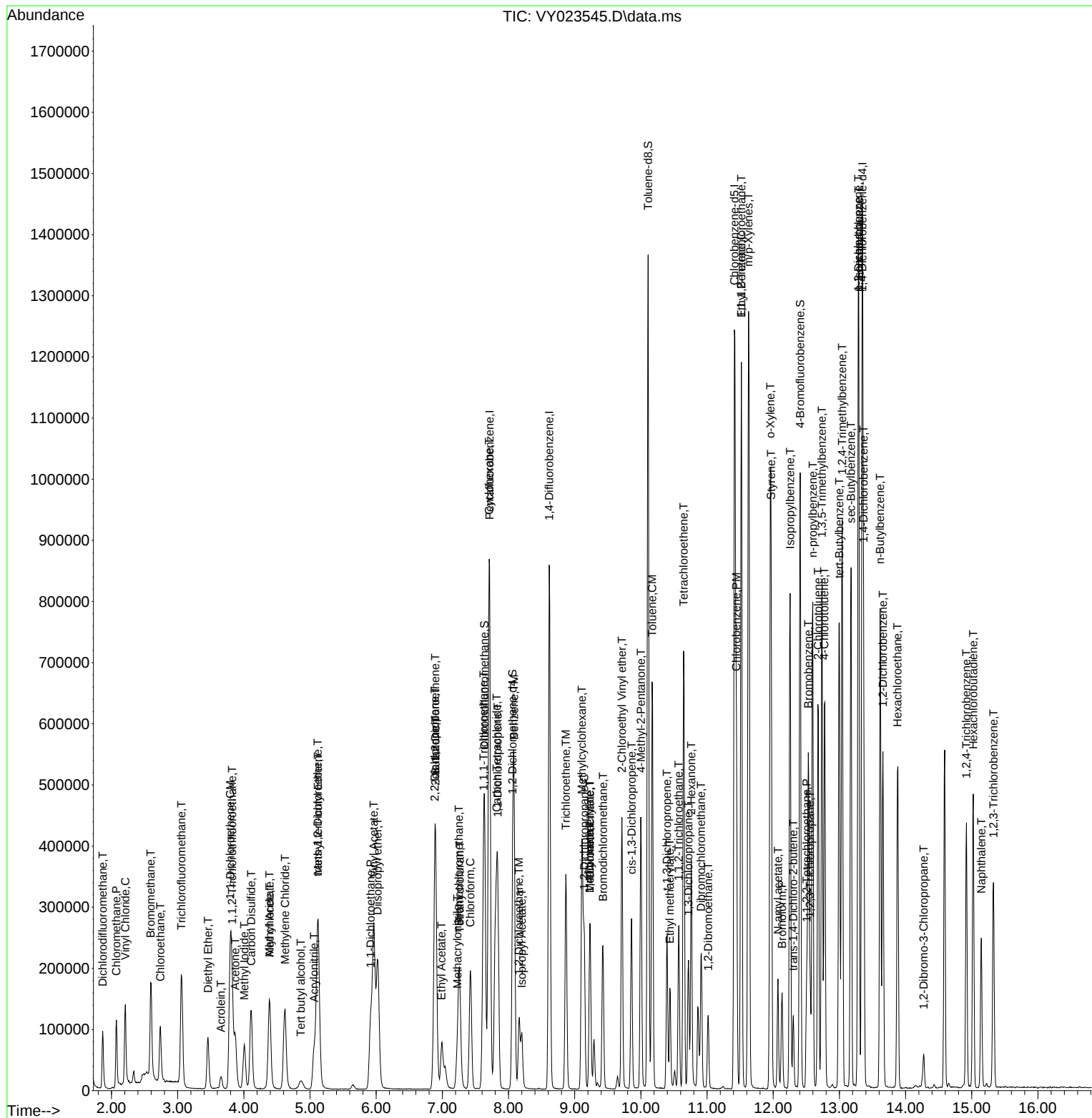
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
 Data File : VY023545.D  
 Acq On : 22 Oct 2025 10:28  
 Operator : SY/MD  
 Sample : VY10222SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY10222SBS01

Quant Time: Oct 24 02:26:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

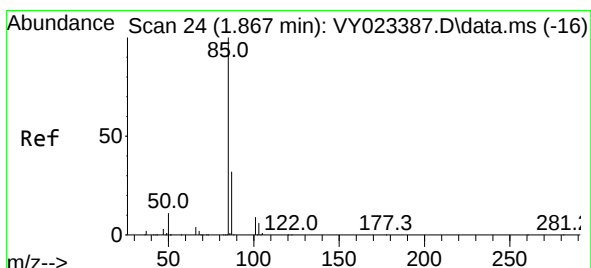
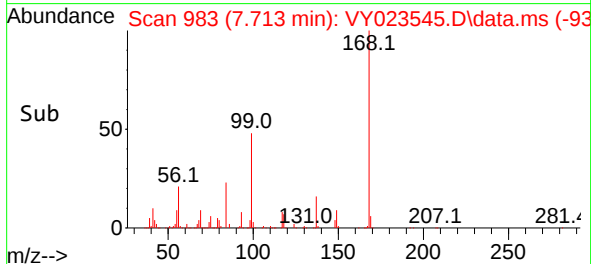
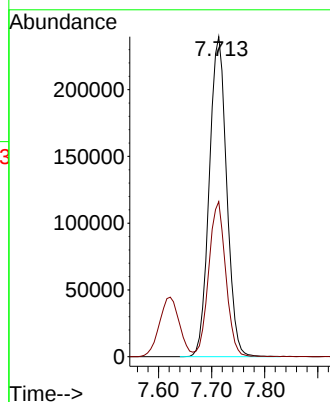
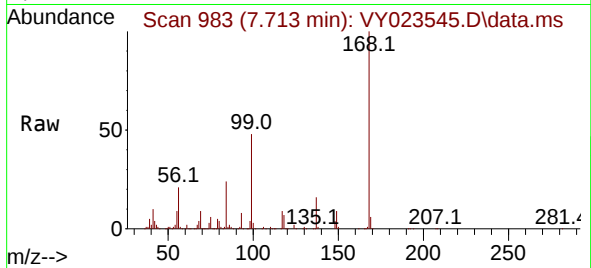




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

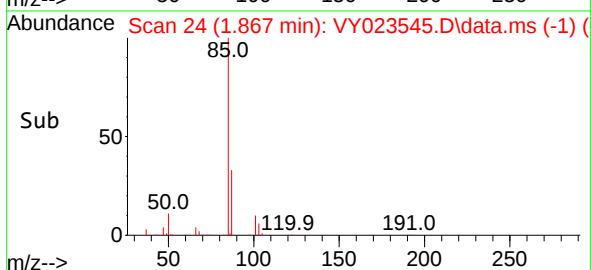
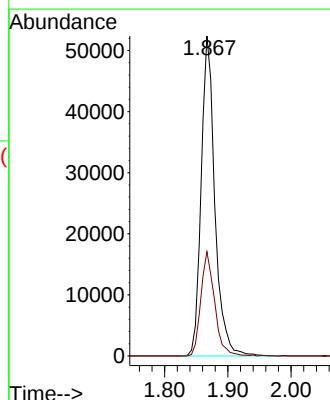
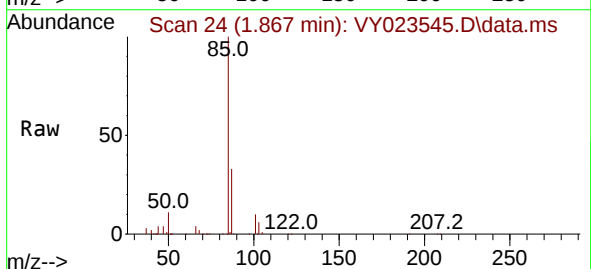
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion:168 Resp: 546555  
Ion Ratio Lower Upper  
168 100  
99 48.4 39.7 59.5



#2  
Dichlorodifluoromethane  
Concen: 20.046 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 85 Resp: 78862  
Ion Ratio Lower Upper  
85 100  
87 32.6 16.0 47.9

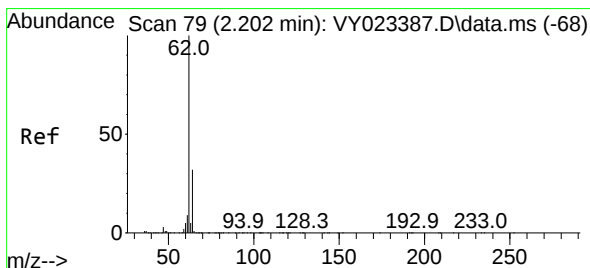
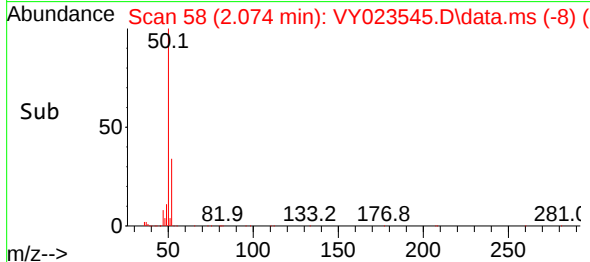
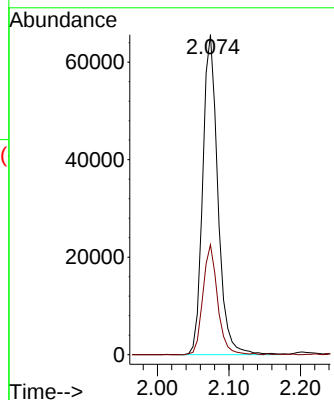
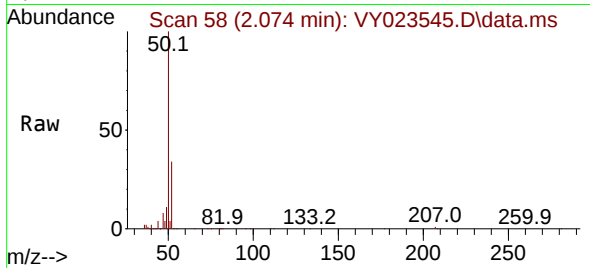




#3  
Chloromethane  
Concen: 18.049 ug/l  
RT: 2.074 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

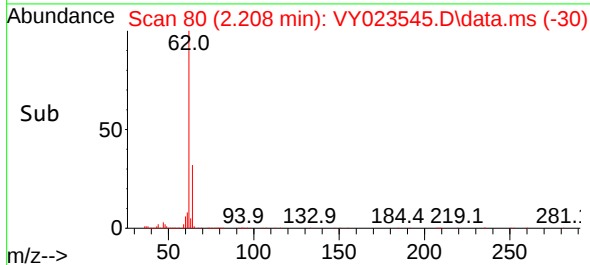
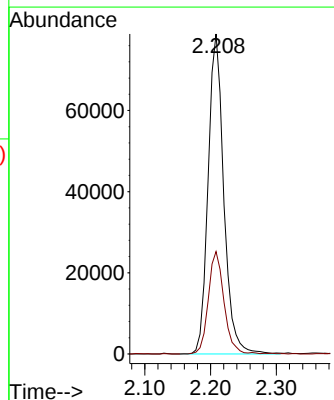
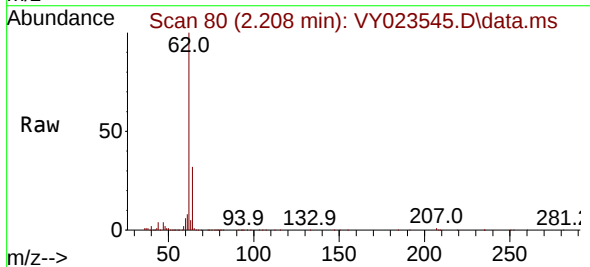
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion: 50 Resp: 96728  
Ion Ratio Lower Upper  
50 100  
52 34.4 26.2 39.2



#4  
Vinyl Chloride  
Concen: 18.718 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 62 Resp: 130661  
Ion Ratio Lower Upper  
62 100  
64 32.0 25.8 38.8

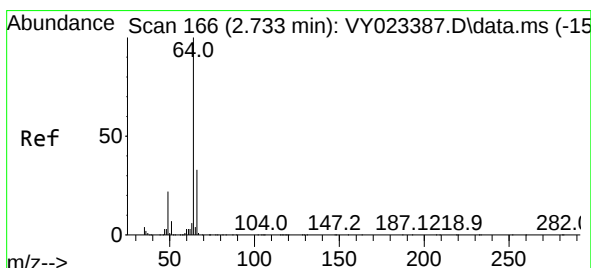
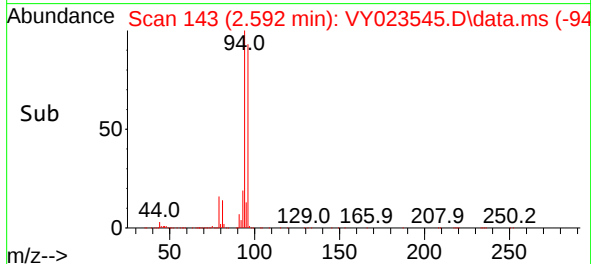
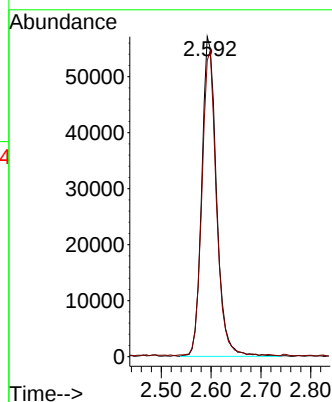
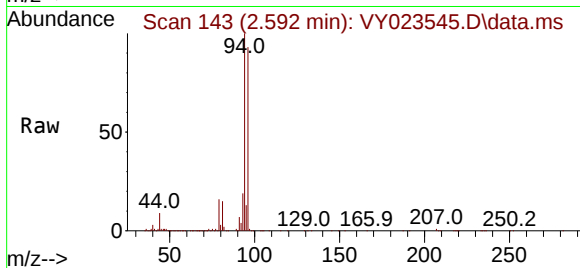




#5  
Bromomethane  
Concen: 20.024 ug/l  
RT: 2.592 min Scan# 143  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

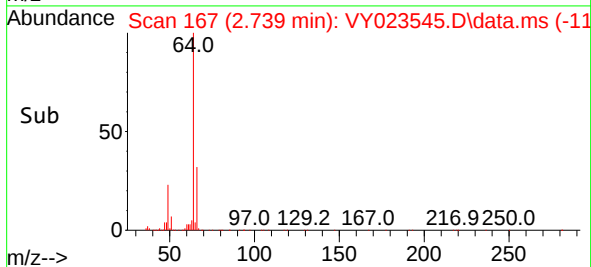
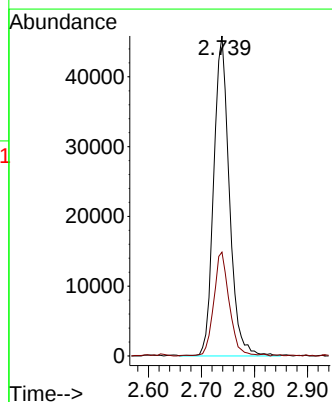
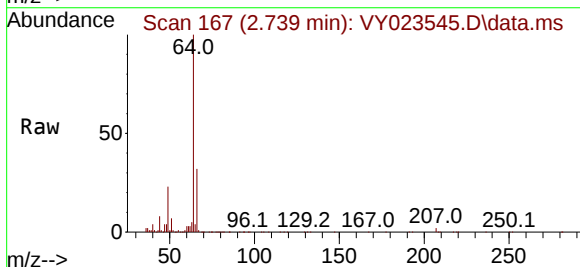
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

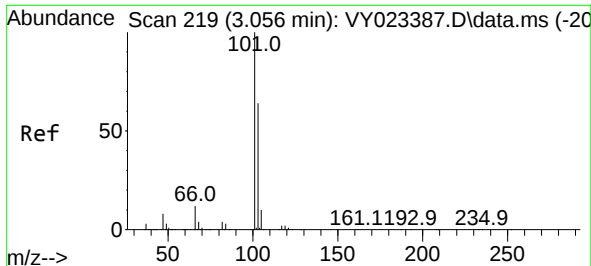
Tgt Ion: 94 Resp: 117294  
Ion Ratio Lower Upper  
94 100  
96 92.4 74.5 111.7



#6  
Chloroethane  
Concen: 19.775 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 64 Resp: 94090  
Ion Ratio Lower Upper  
64 100  
66 32.3 26.2 39.4

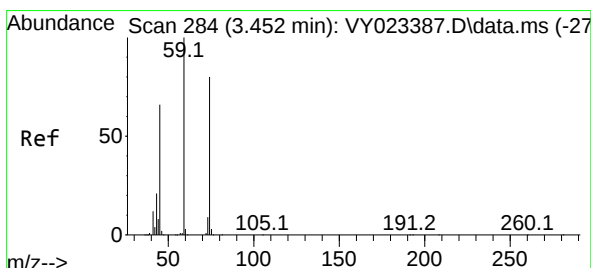
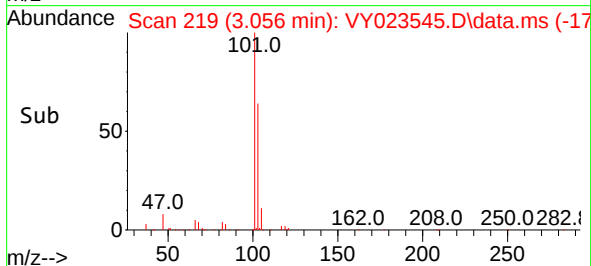
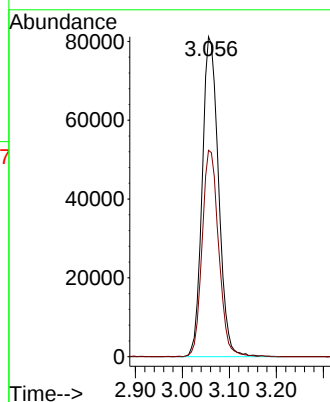
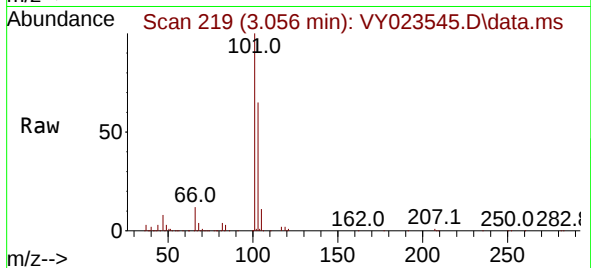




#7  
Trichlorofluoromethane  
Concen: 20.184 ug/l  
RT: 3.056 min Scan# 219  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

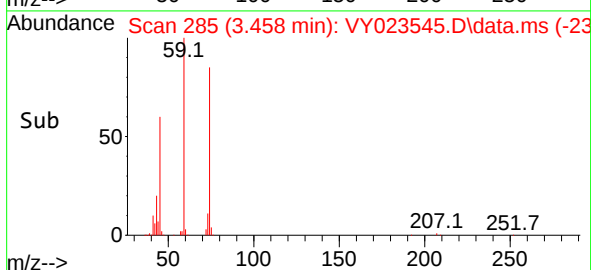
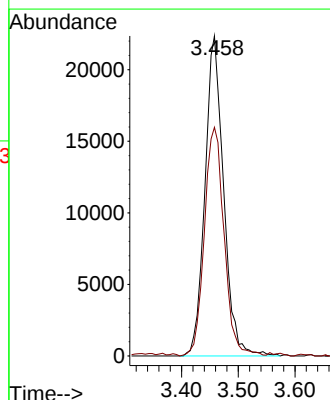
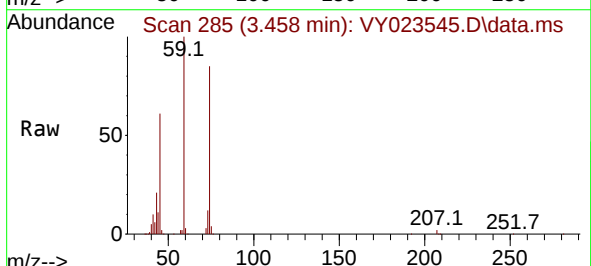
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

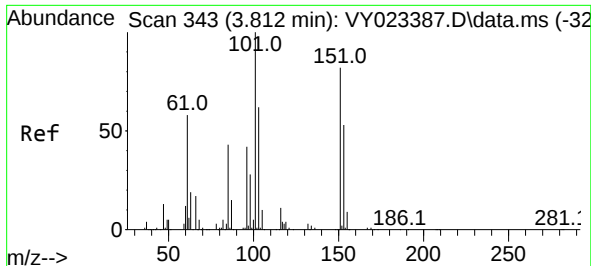
Tgt Ion:101 Resp: 195620  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.3 76.9



#8  
Diethyl Ether  
Concen: 20.172 ug/l  
RT: 3.458 min Scan# 285  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 74 Resp: 51088  
Ion Ratio Lower Upper  
74 100  
45 75.5 39.9 119.7

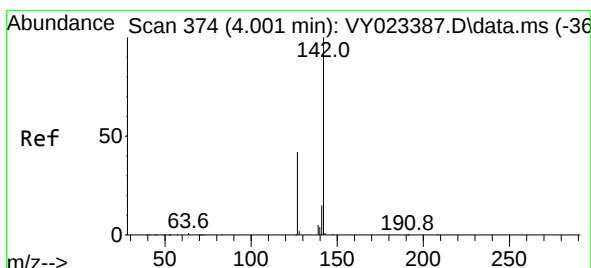
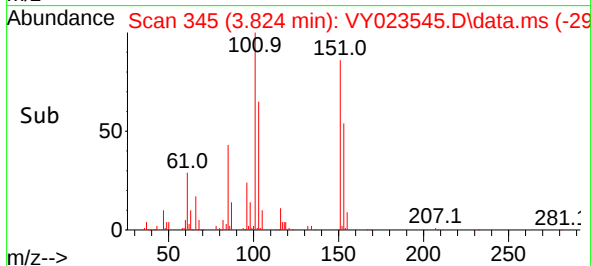
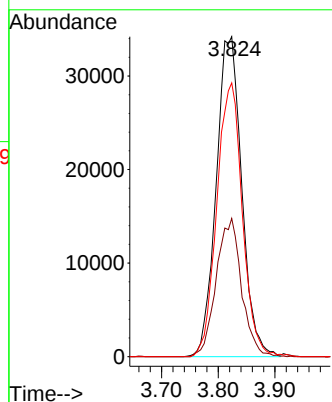
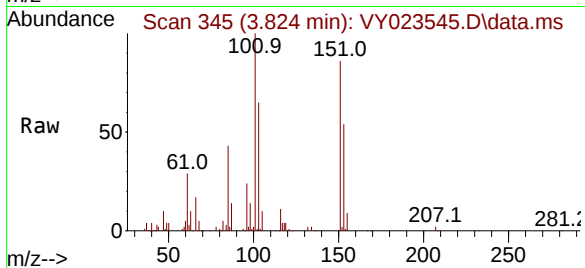




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.280 ug/l  
RT: 3.824 min Scan# 343  
Delta R.T. 0.012 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

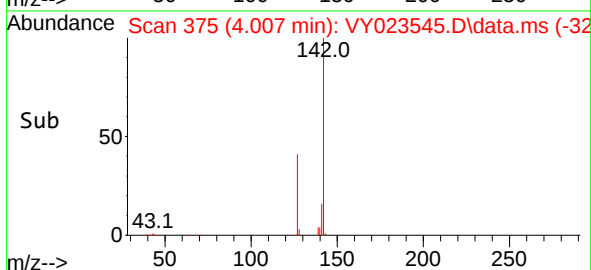
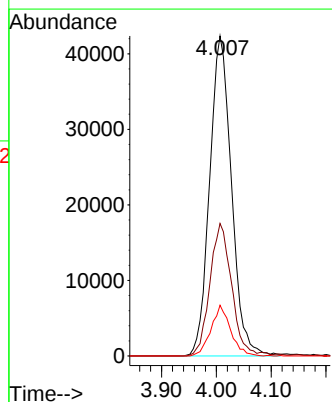
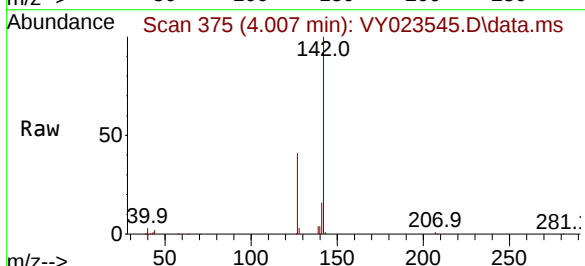
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion:101 Resp: 107027  
Ion Ratio Lower Upper  
101 100  
85 42.9 34.6 51.8  
151 85.6 67.0 100.6



#10  
Methyl Iodide  
Concen: 20.926 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion:142 Resp: 117165  
Ion Ratio Lower Upper  
142 100  
127 41.3 34.8 52.2  
141 14.2 11.6 17.4





#11

Tert butyl alcohol

Concen: 82.495 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

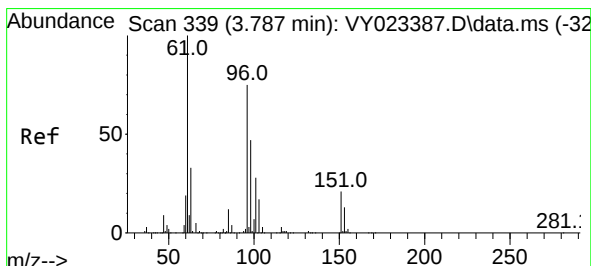
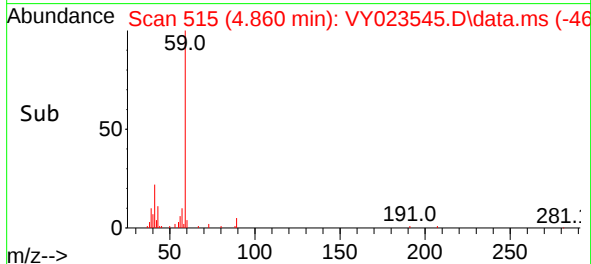
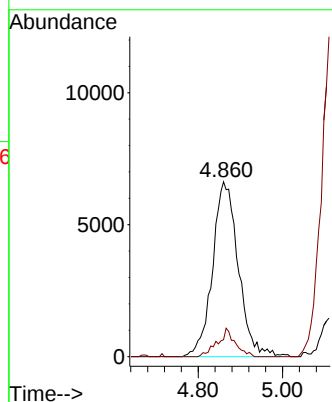
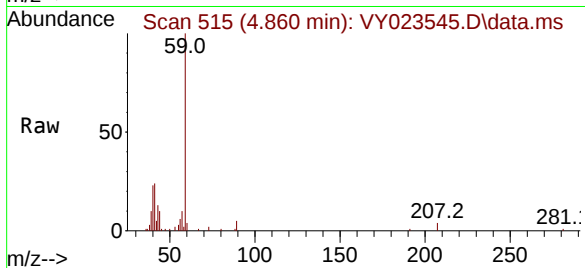
VY1022SBS01

Tgt Ion: 59 Resp: 28049

Ion Ratio Lower Upper

59 100

57 11.0 8.3 12.5



#12

1,1-Dichloroethene

Concen: 20.658 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

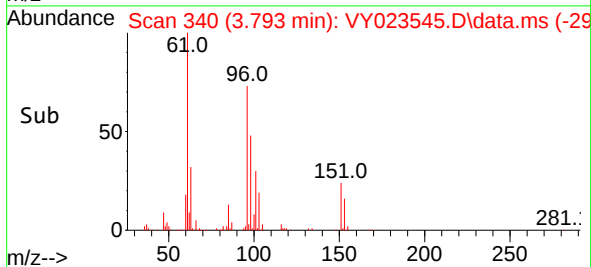
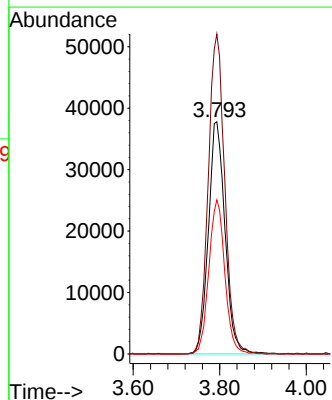
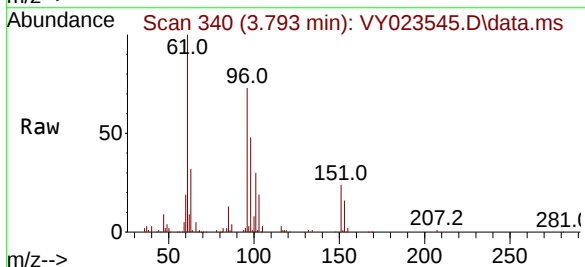
Tgt Ion: 96 Resp: 100716

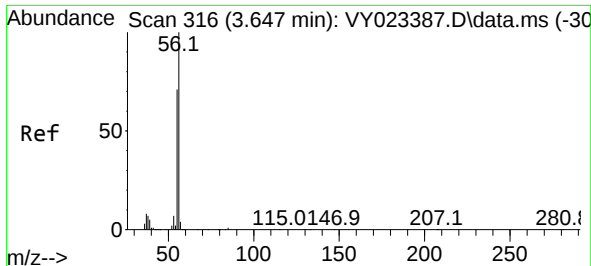
Ion Ratio Lower Upper

96 100

61 137.8 106.7 160.1

98 66.4 50.2 75.4

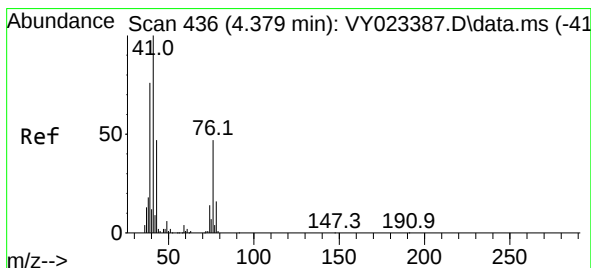
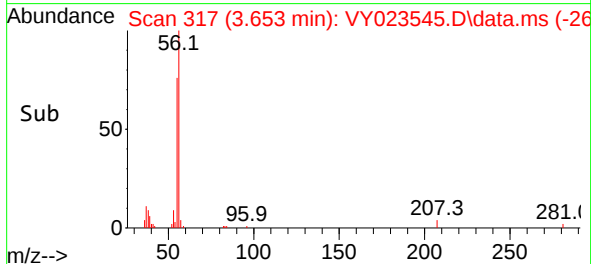
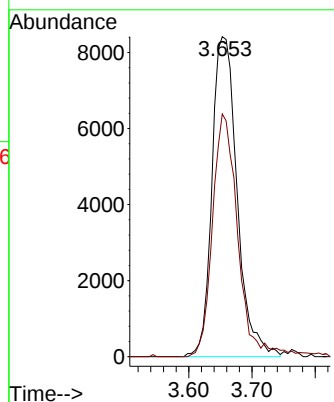
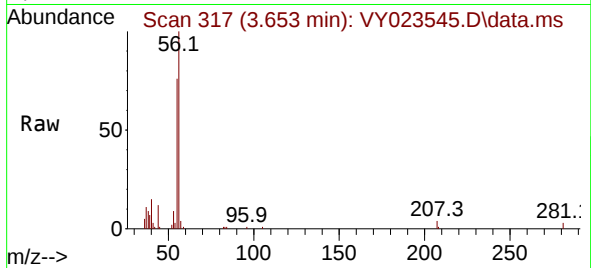




#13  
Acrolein  
Concen: 48.218 ug/l  
RT: 3.653 min Scan# 316  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

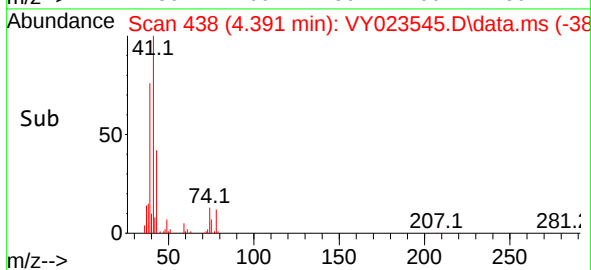
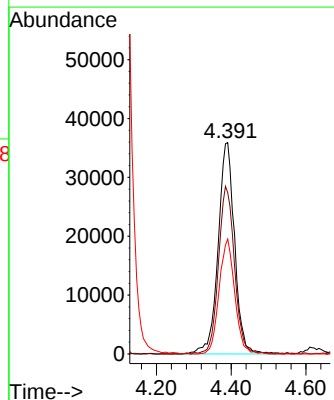
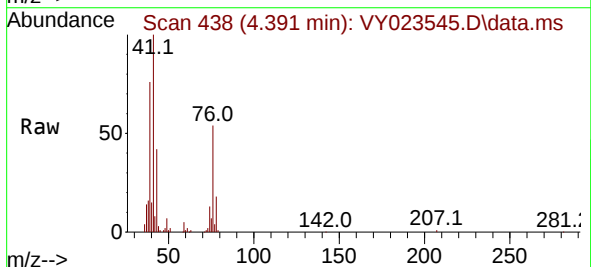
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

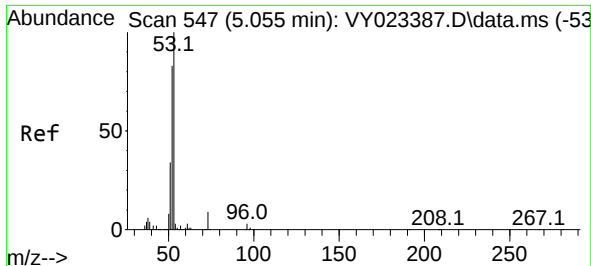
Tgt Ion: 56 Resp: 23166  
Ion Ratio Lower Upper  
56 100  
55 77.1 56.1 84.1



#14  
Allyl chloride  
Concen: 18.524 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. 0.012 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 41 Resp: 110064  
Ion Ratio Lower Upper  
41 100  
39 77.2 59.9 89.9  
76 51.6 38.0 57.0

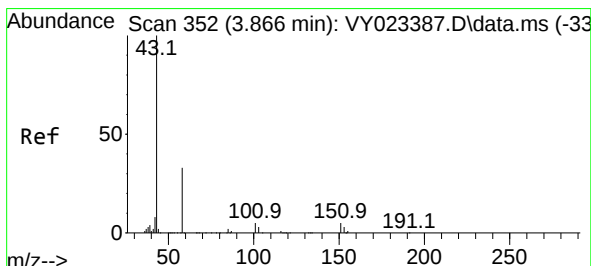
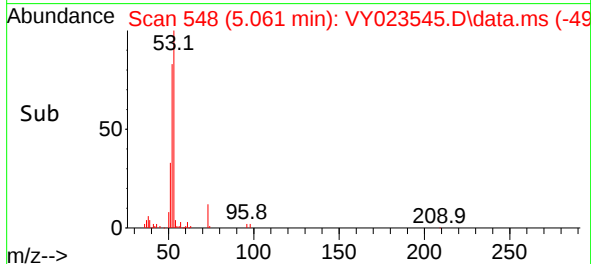
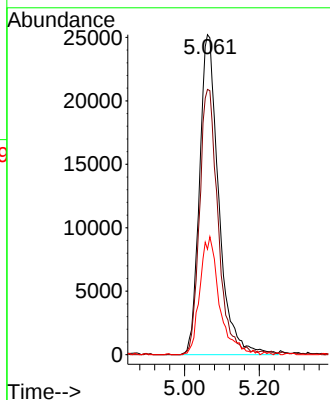
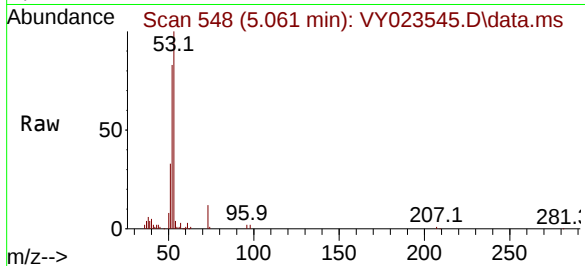




#15  
Acrylonitrile  
Concen: 93.042 ug/l  
RT: 5.061 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

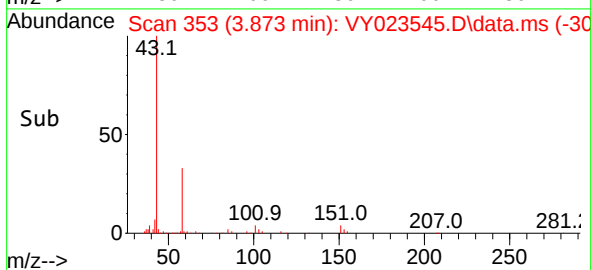
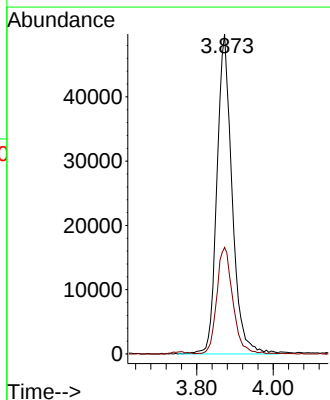
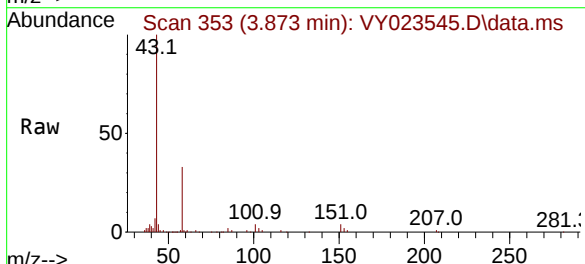
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

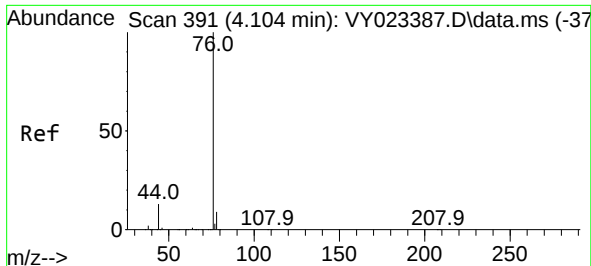
Tgt Ion: 53 Resp: 90176  
Ion Ratio Lower Upper  
53 100  
52 79.9 64.6 97.0  
51 37.2 29.5 44.3



#16  
Acetone  
Concen: 126.081 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 43 Resp: 137184  
Ion Ratio Lower Upper  
43 100  
58 33.2 27.7 41.5

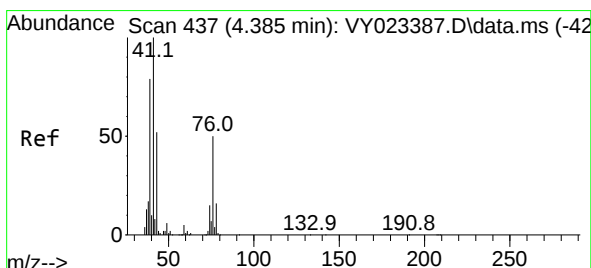
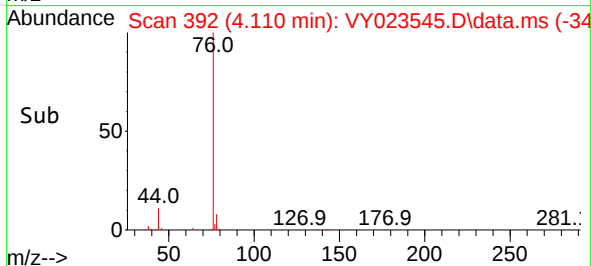
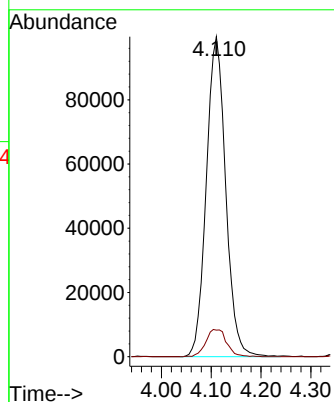
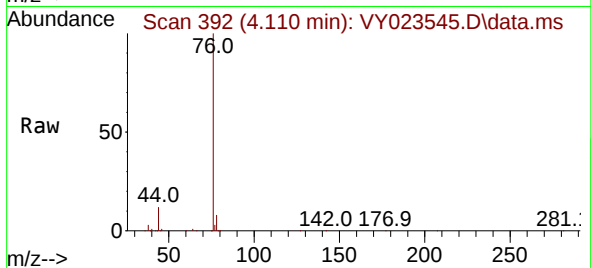




#17  
Carbon Disulfide  
Concen: 19.273 ug/l  
RT: 4.110 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

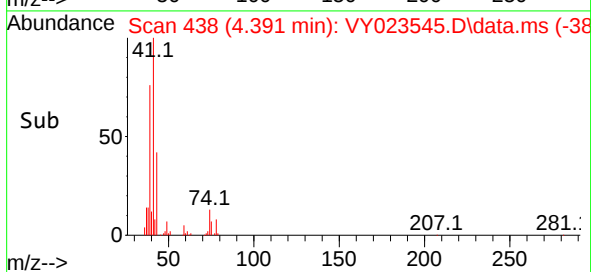
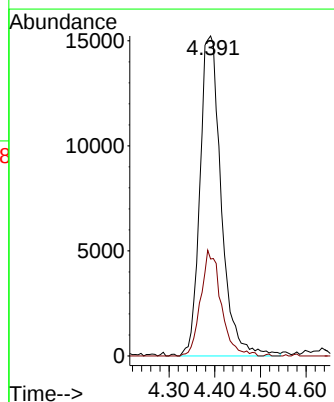
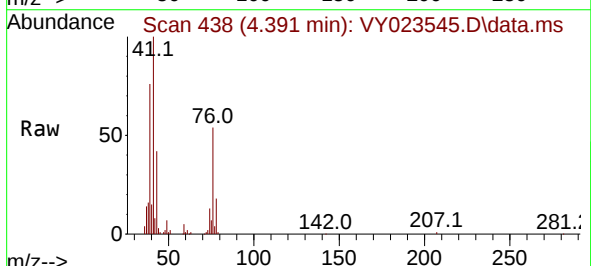
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

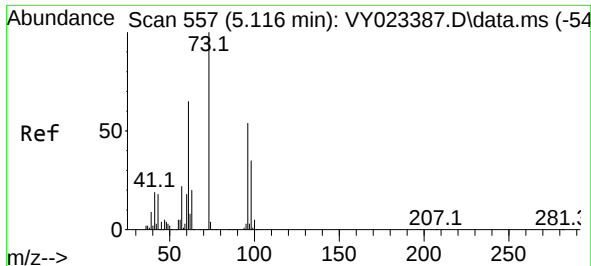
Tgt Ion: 76 Resp: 268938  
Ion Ratio Lower Upper  
76 100  
78 8.3 7.3 10.9



#18  
Methyl Acetate  
Concen: 17.272 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 43 Resp: 49297  
Ion Ratio Lower Upper  
43 100  
74 31.6 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 19.789 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

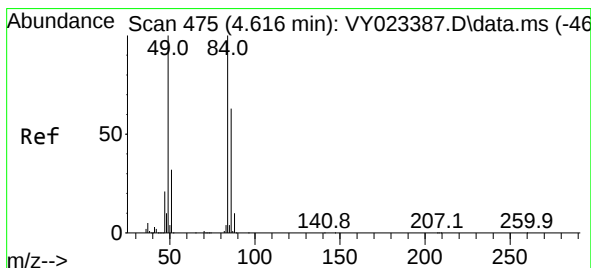
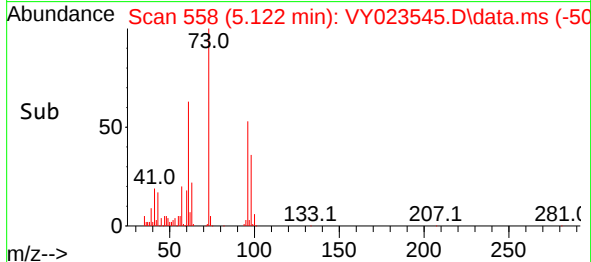
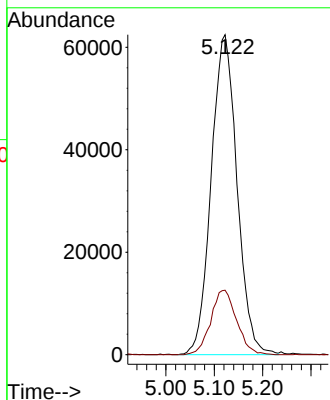
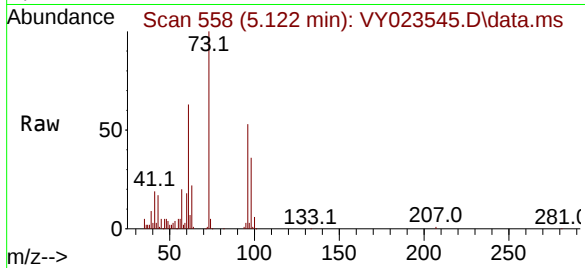
VY1022SBS01

Tgt Ion: 73 Resp: 231882

Ion Ratio Lower Upper

73 100

57 20.2 17.4 26.0



#20

Methylene Chloride

Concen: 18.380 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Tgt Ion: 84 Resp: 108140

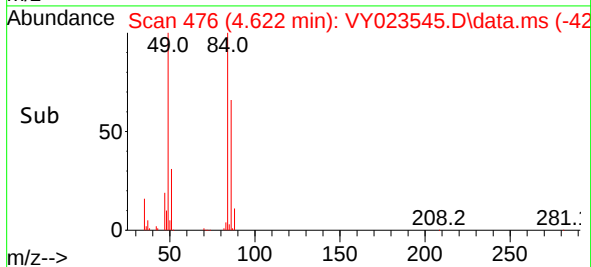
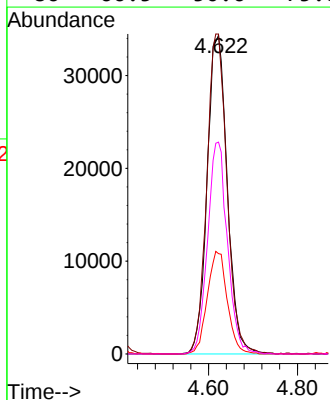
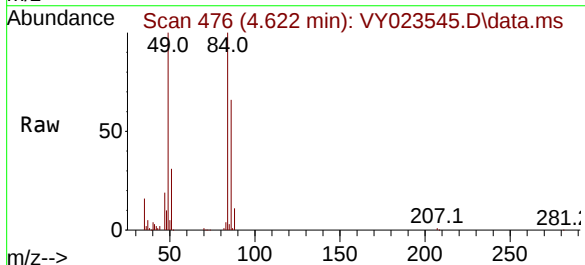
Ion Ratio Lower Upper

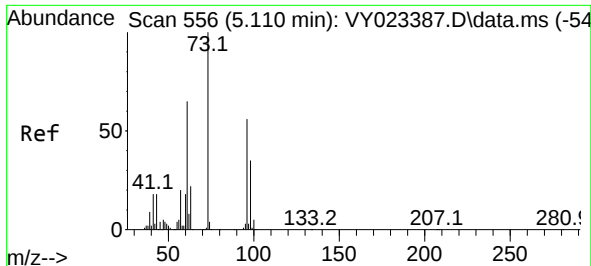
84 100

49 100.4 80.2 120.4

51 31.5 25.9 38.9

86 66.5 50.6 75.8

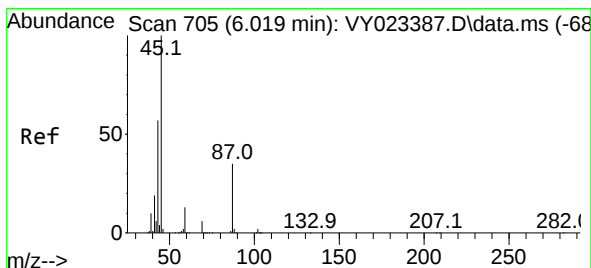
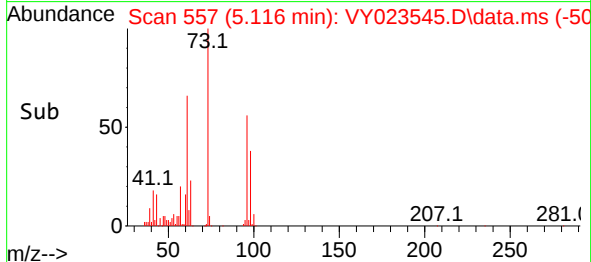
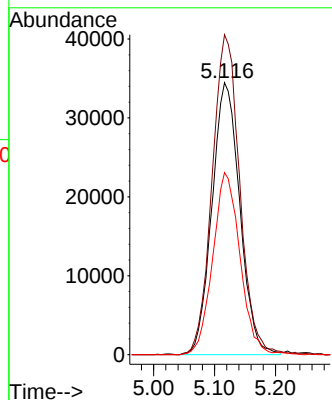
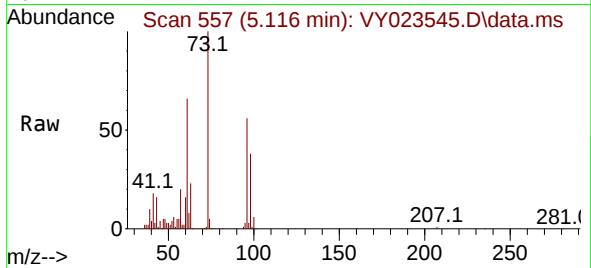




#21  
trans-1,2-Dichloroethene  
Concen: 20.379 ug/l  
RT: 5.116 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

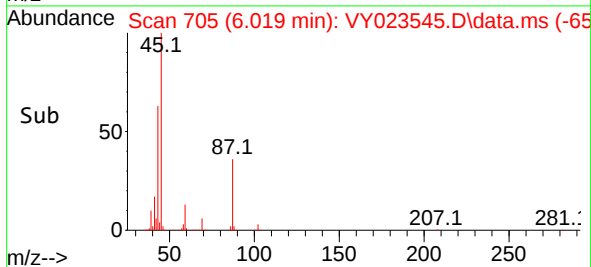
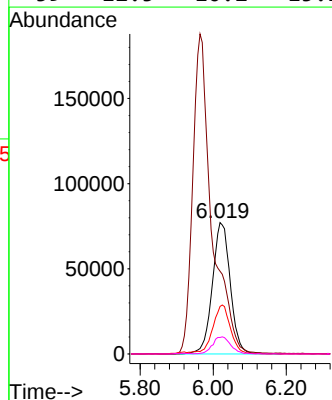
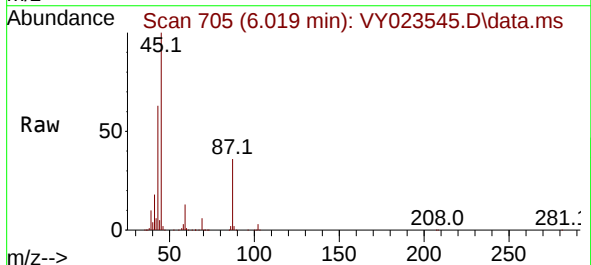
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion: 96 Resp: 109389  
Ion Ratio Lower Upper  
96 100  
61 117.6 92.7 139.1  
98 66.9 49.7 74.5



#22  
Diisopropyl ether  
Concen: 19.963 ug/l  
RT: 6.019 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 45 Resp: 262379  
Ion Ratio Lower Upper  
45 100  
43 62.2 45.6 68.4  
87 36.1 28.1 42.1  
59 12.5 10.2 15.2

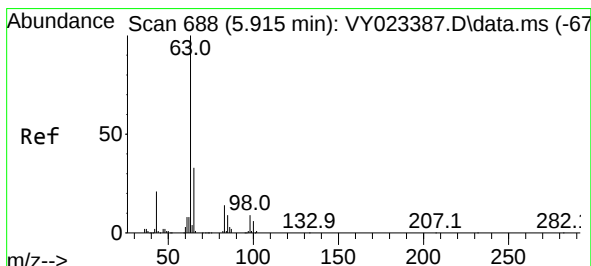
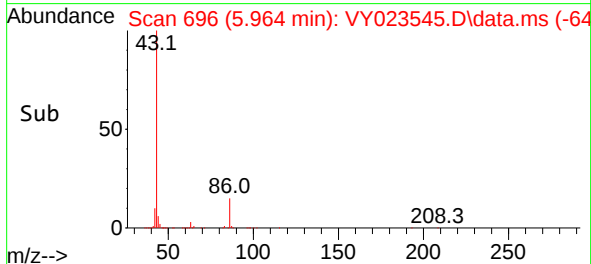
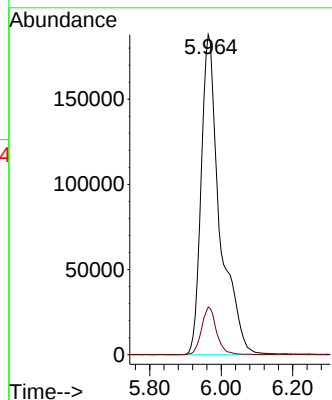
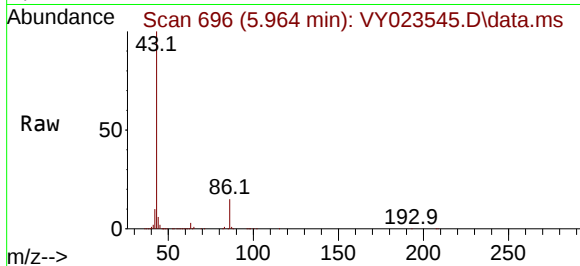




#23  
 Vinyl Acetate  
 Concen: 95.797 ug/l  
 RT: 5.964 min Scan# 695  
 Delta R.T. 0.006 min  
 Lab File: VY023545.D  
 Acq: 22 Oct 2025 10:28

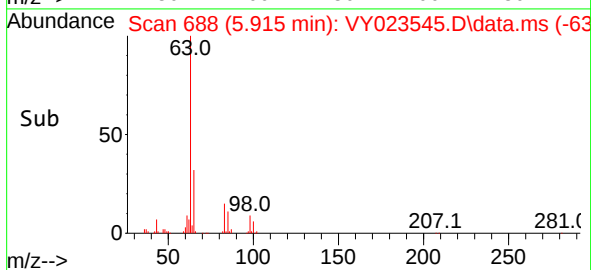
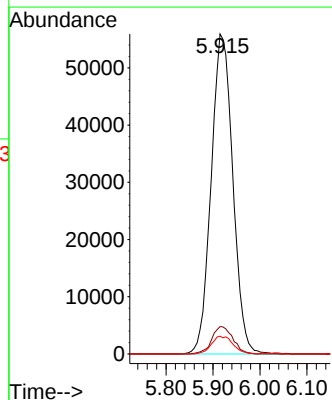
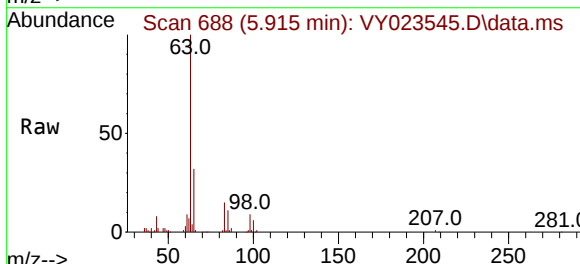
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1022SBS01

Tgt Ion: 43 Resp: 681501  
 Ion Ratio Lower Upper  
 43 100  
 86 14.9 10.6 15.8



#24  
 1,1-Dichloroethane  
 Concen: 20.524 ug/l  
 RT: 5.915 min Scan# 688  
 Delta R.T. -0.000 min  
 Lab File: VY023545.D  
 Acq: 22 Oct 2025 10:28

Tgt Ion: 63 Resp: 178683  
 Ion Ratio Lower Upper  
 63 100  
 98 8.6 4.3 13.1  
 100 5.5 2.8 8.4

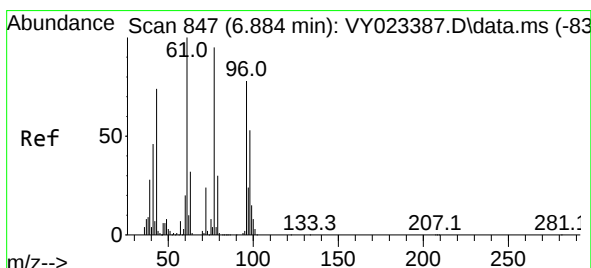
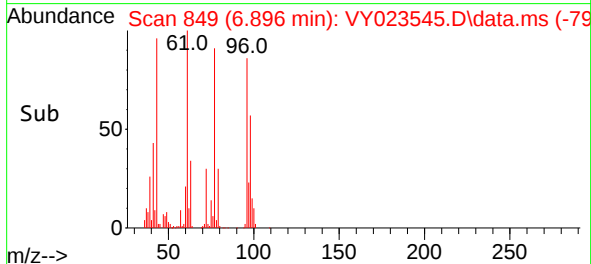
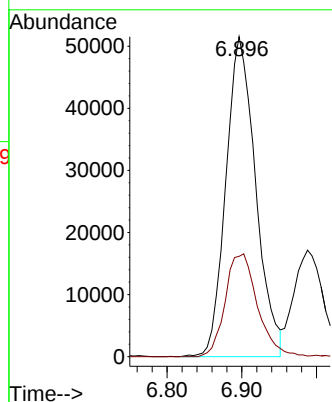
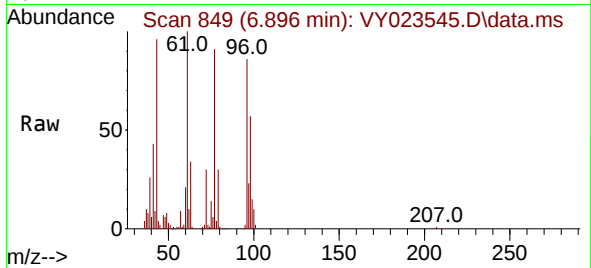




#25  
2-Butanone  
Concen: 107.638 ug/l  
RT: 6.896 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

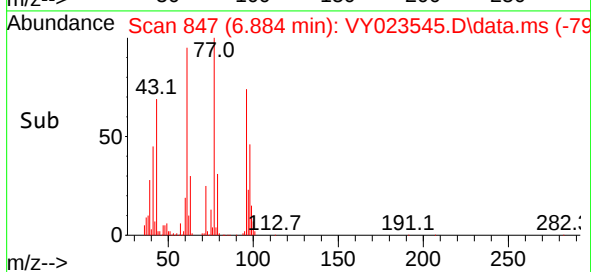
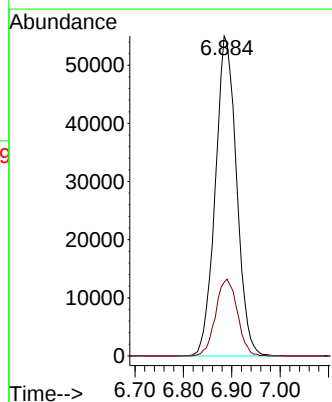
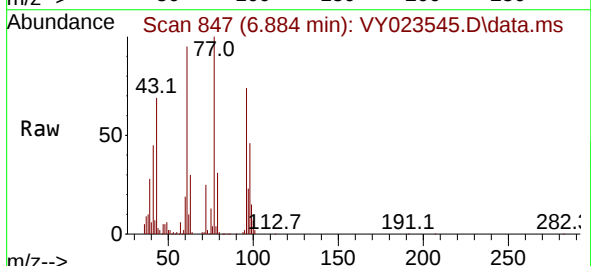
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion: 43 Resp: 142981  
Ion Ratio Lower Upper  
43 100  
72 31.3 27.4 41.2



#26  
2,2-Dichloropropane  
Concen: 21.021 ug/l  
RT: 6.884 min Scan# 847  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 77 Resp: 167931  
Ion Ratio Lower Upper  
77 100  
97 24.6 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 21.211 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

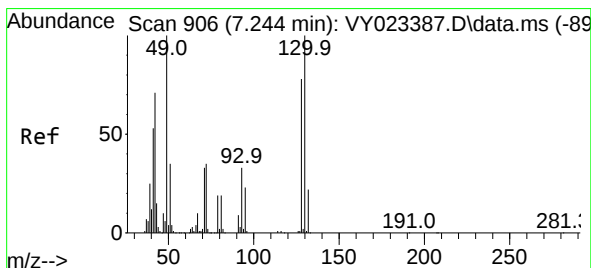
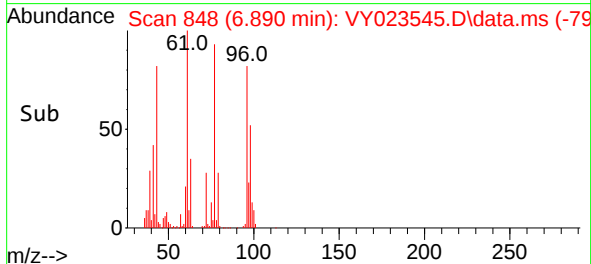
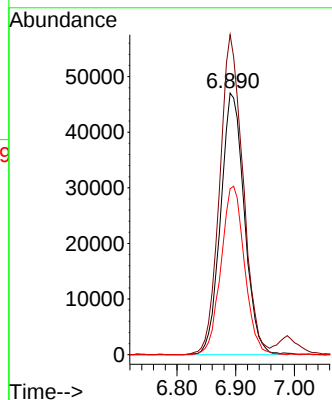
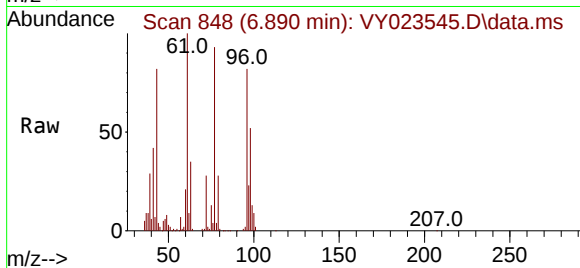
Tgt Ion: 96 Resp: 131514

Ion Ratio Lower Upper

96 100

61 120.8 0.0 258.2

98 63.9 0.0 132.0



#28

Bromochloromethane

Concen: 19.264 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

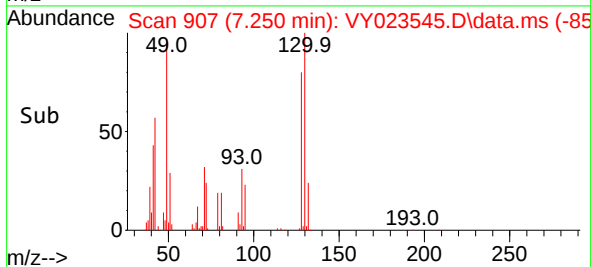
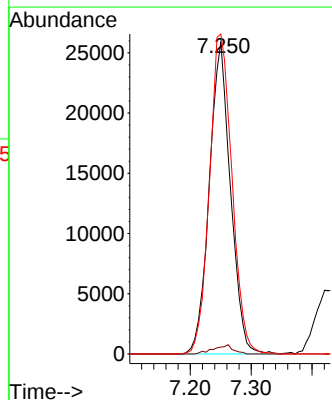
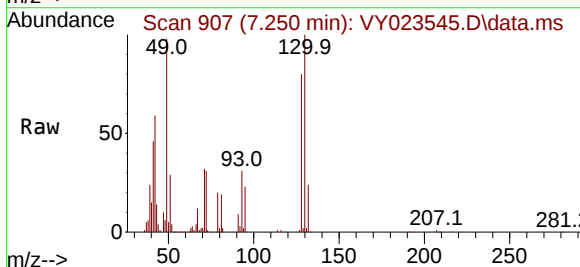
Tgt Ion: 49 Resp: 62608

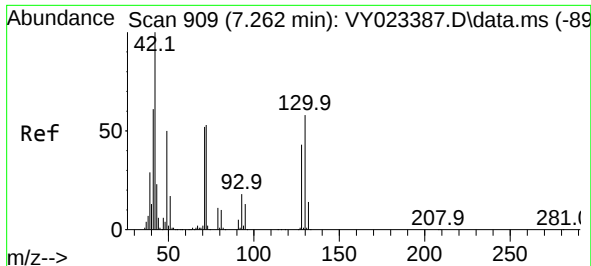
Ion Ratio Lower Upper

49 100

129 2.7 0.0 5.6

130 108.9 81.9 122.9

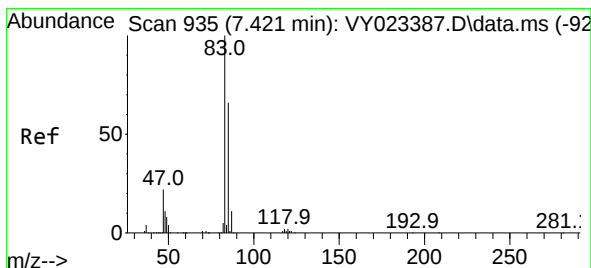
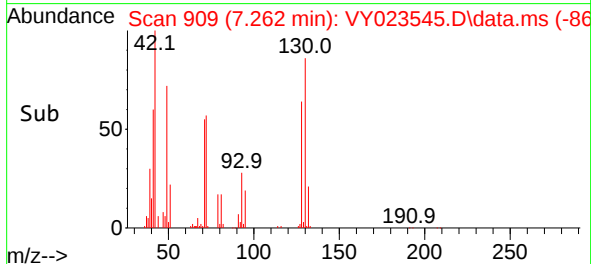
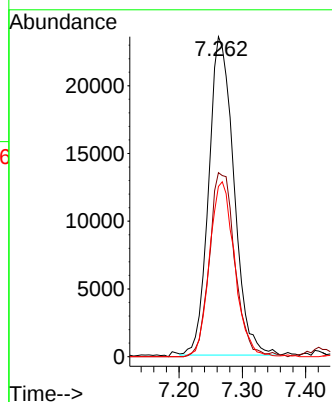
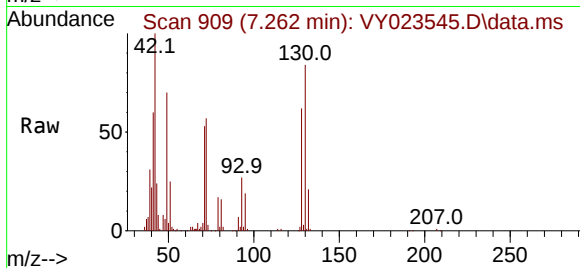




#29  
Tetrahydrofuran  
Concen: 86.341 ug/l  
RT: 7.262 min Scan# 909  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

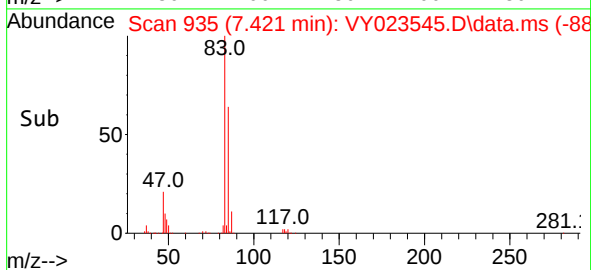
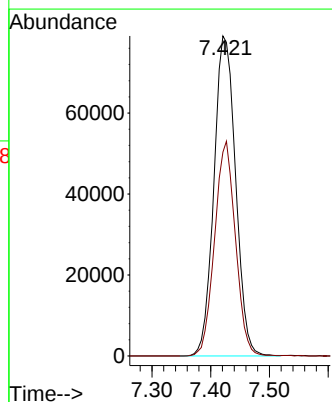
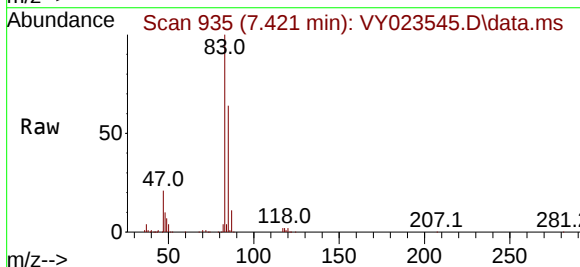
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

Tgt Ion: 42 Resp: 65038  
Ion Ratio Lower Upper  
42 100  
72 58.5 43.0 64.6  
71 54.7 40.1 60.1



#30  
Chloroform  
Concen: 21.198 ug/l  
RT: 7.421 min Scan# 935  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 83 Resp: 202767  
Ion Ratio Lower Upper  
83 100  
85 63.7 52.5 78.7

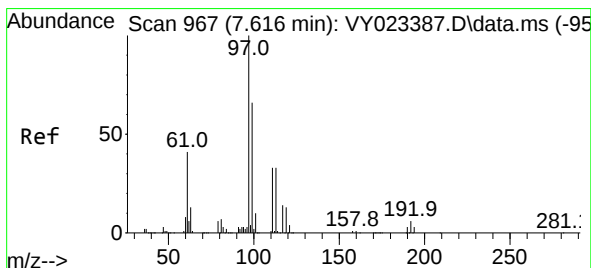
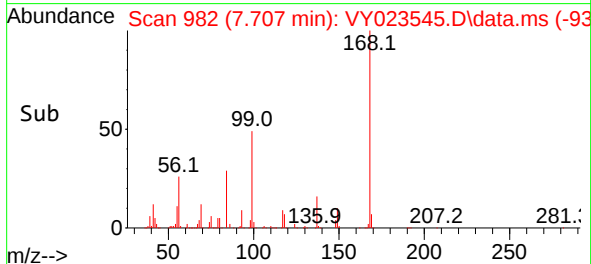
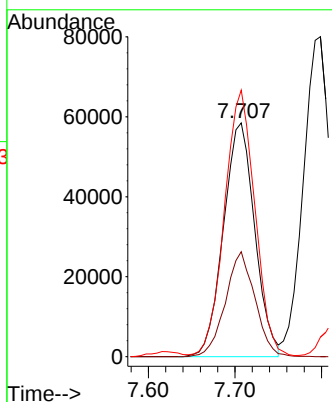
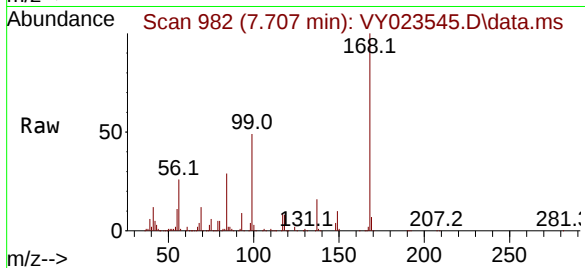




#31  
Cyclohexane  
Concen: 19.331 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

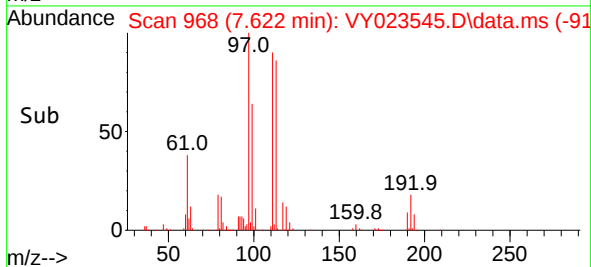
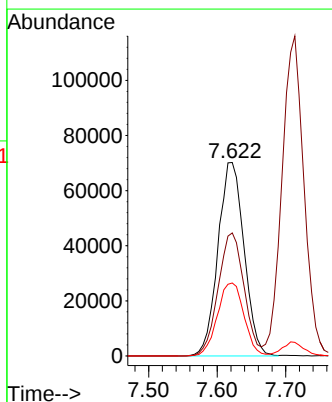
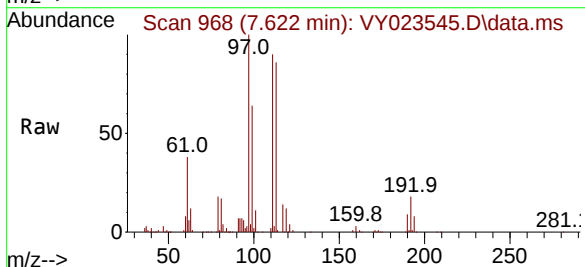
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

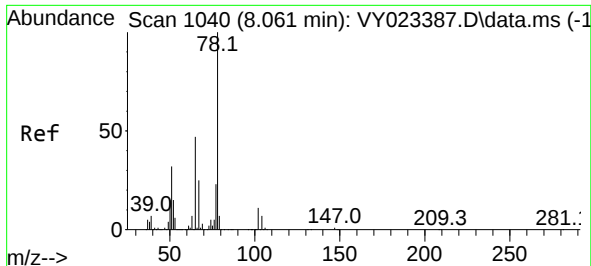
Tgt Ion: 56 Resp: 146973  
Ion Ratio Lower Upper  
56 100  
69 44.9 30.0 45.0  
84 112.5 81.2 121.8



#32  
1,1,1-Trichloroethane  
Concen: 21.339 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 97 Resp: 185487  
Ion Ratio Lower Upper  
97 100  
99 63.2 51.4 77.2  
61 38.4 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 45.699 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

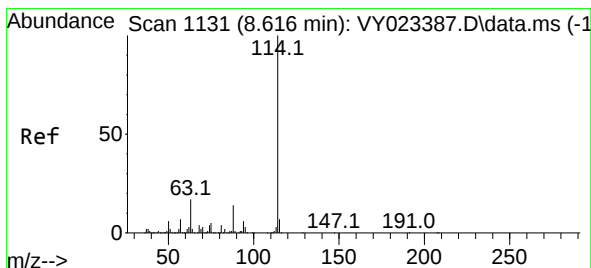
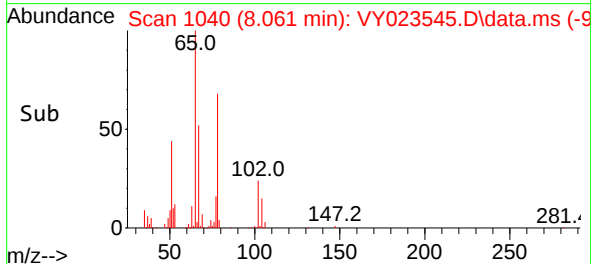
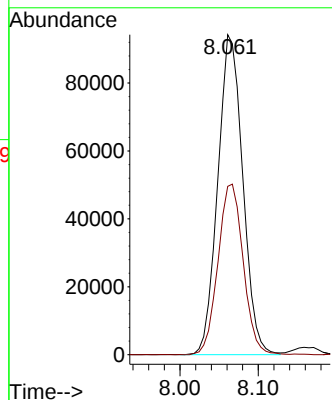
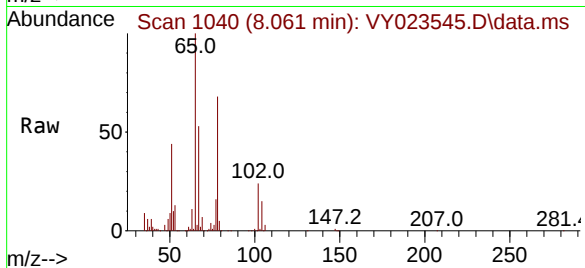
VY1022SBS01

Tgt Ion: 65 Resp: 208863

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

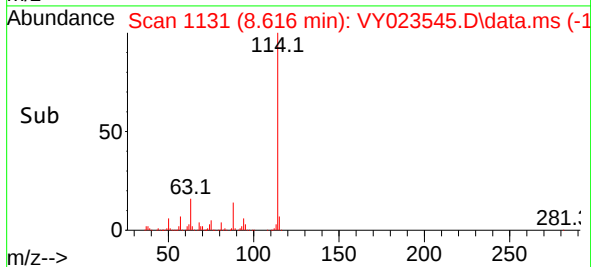
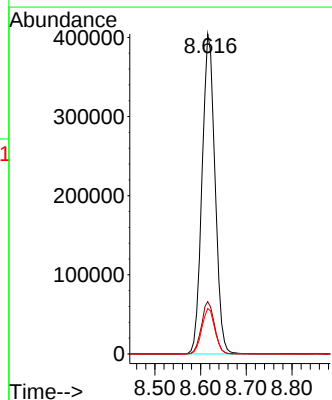
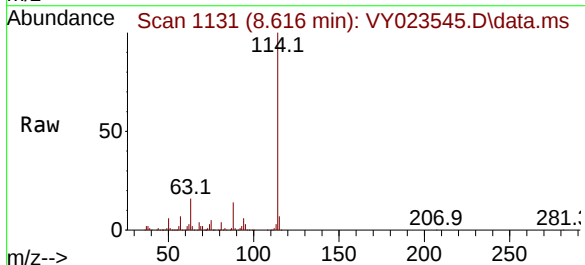
Tgt Ion: 114 Resp: 794303

Ion Ratio Lower Upper

114 100

63 16.3 0.0 34.2

88 14.2 0.0 28.4

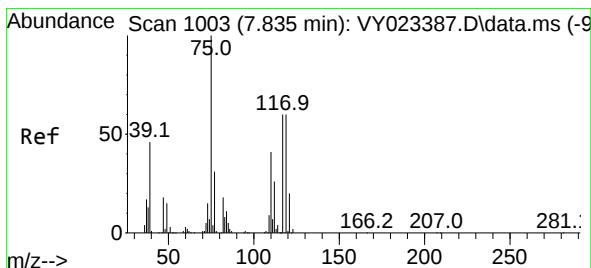
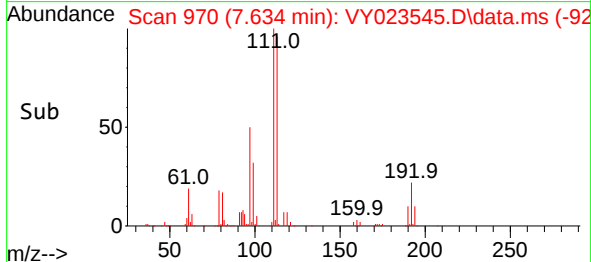
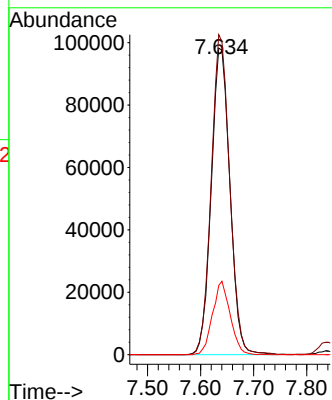
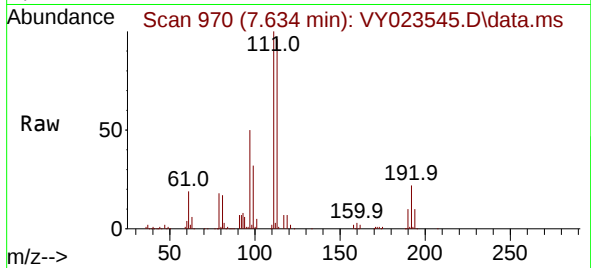




#35  
Dibromofluoromethane  
Concen: 49.282 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

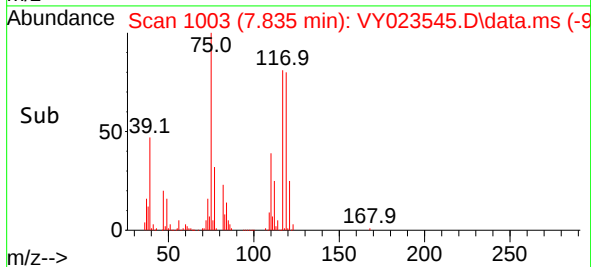
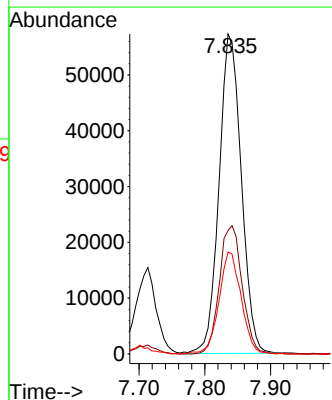
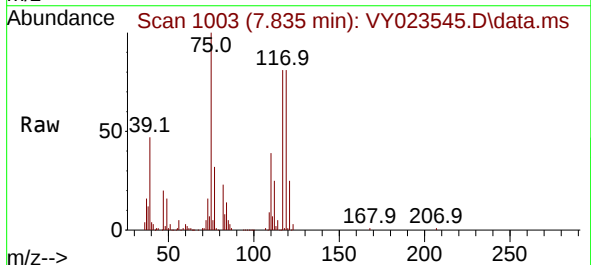
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

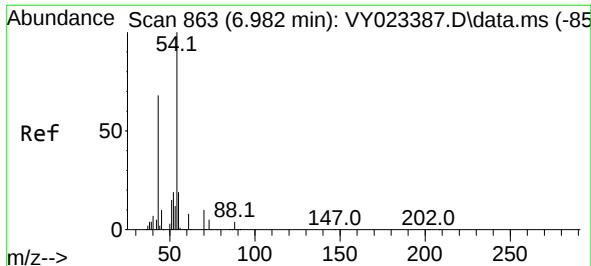
Tgt Ion:113 Resp: 240525  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.8 122.6  
192 22.6 18.0 27.0



#36  
1,1-Dichloropropene  
Concen: 20.873 ug/l  
RT: 7.835 min Scan# 1003  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 75 Resp: 134867  
Ion Ratio Lower Upper  
75 100  
110 41.2 19.9 59.7  
77 31.7 25.0 37.6





#37

Ethyl Acetate

Concen: 18.620 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

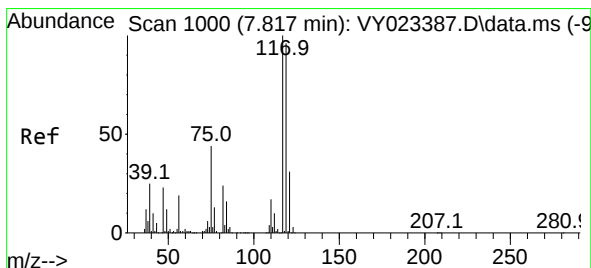
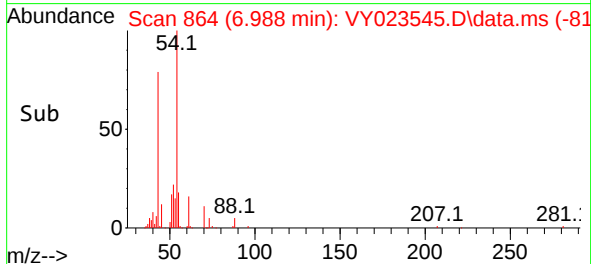
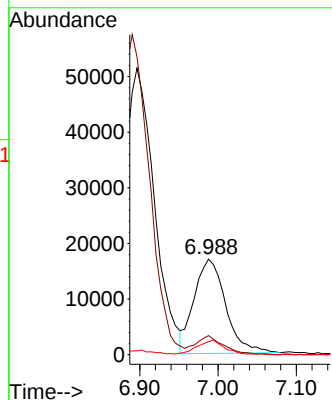
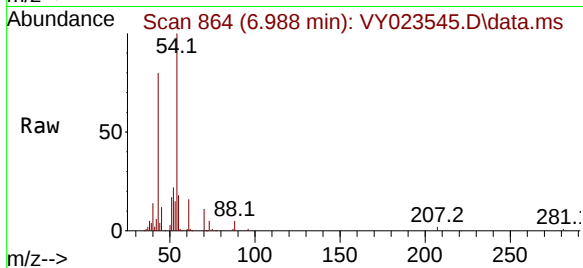
Tgt Ion: 43 Resp: 47665

Ion Ratio Lower Upper

43 100

61 17.8 11.8 17.8#

70 13.5 10.5 15.7



#38

Carbon Tetrachloride

Concen: 21.380 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

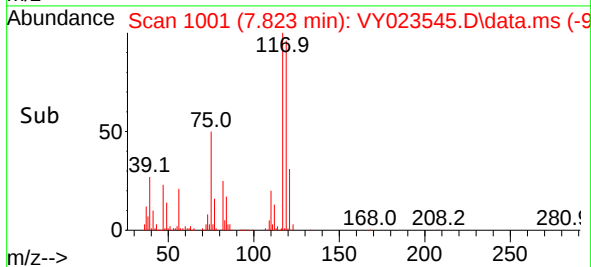
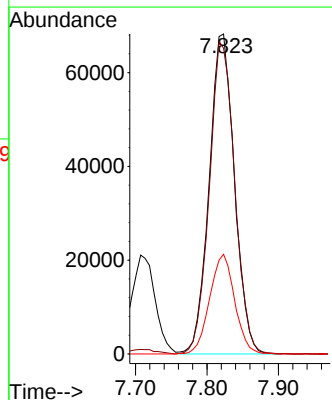
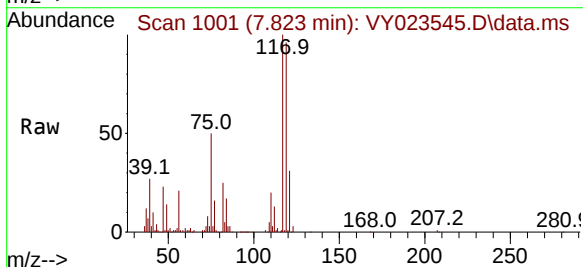
Tgt Ion: 117 Resp: 167506

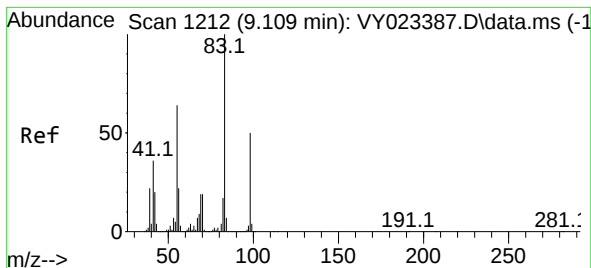
Ion Ratio Lower Upper

117 100

119 95.5 76.8 115.2

121 31.2 24.5 36.7





#39

Methylcyclohexane

Concen: 20.726 ug/l

RT: 9.109 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

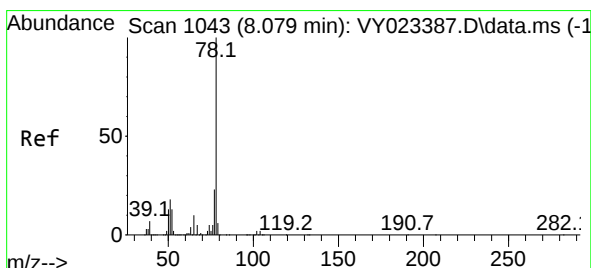
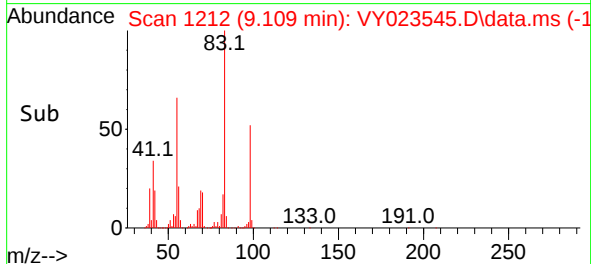
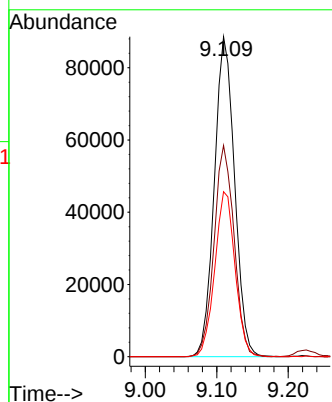
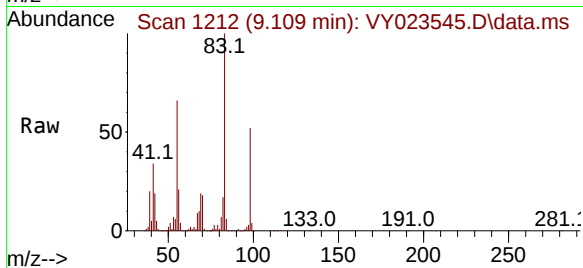
Tgt Ion: 83 Resp: 174367

Ion Ratio Lower Upper

83 100

55 66.0 51.4 77.2

98 51.6 40.4 60.6



#40

Benzene

Concen: 21.157 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY023545.D

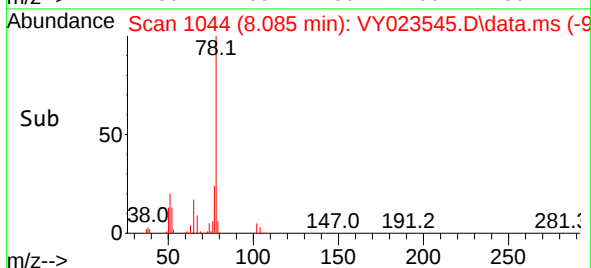
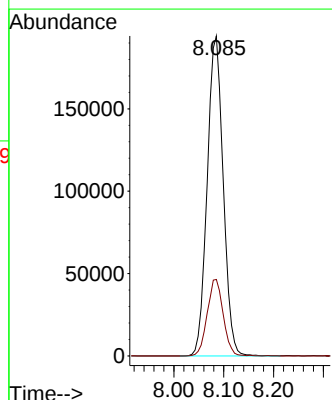
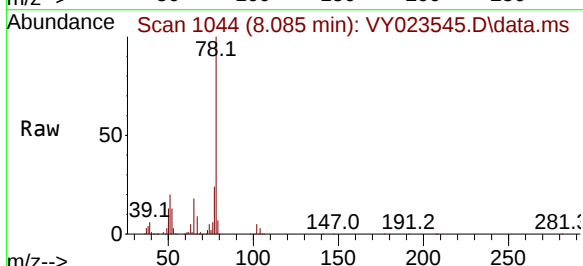
Acq: 22 Oct 2025 10:28

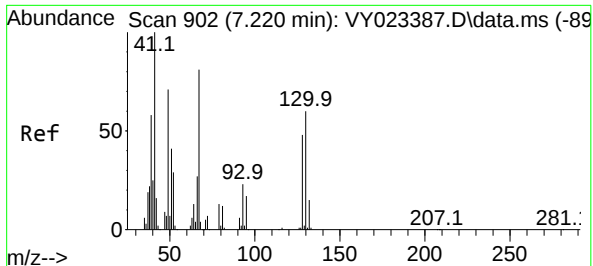
Tgt Ion: 78 Resp: 432933

Ion Ratio Lower Upper

78 100

77 23.9 18.3 27.5

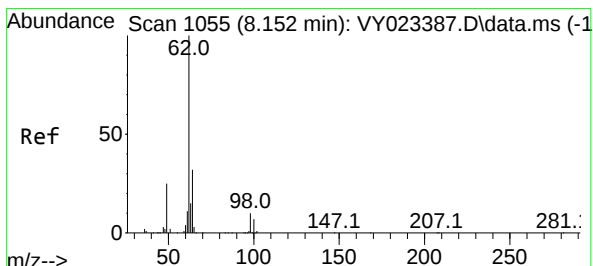
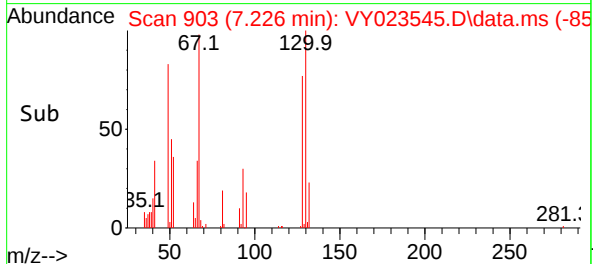
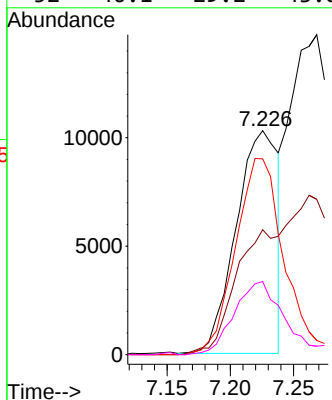
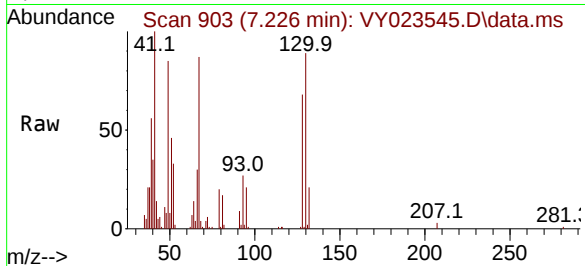




#41  
Methacrylonitrile  
Concen: 17.080 ug/l  
RT: 7.226 min Scan# 902  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

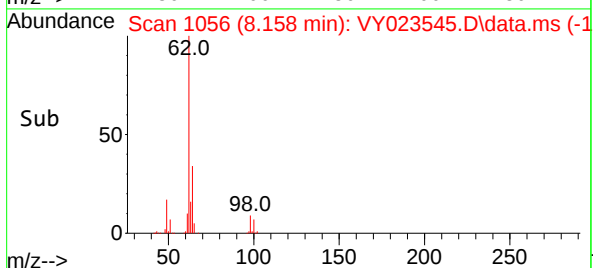
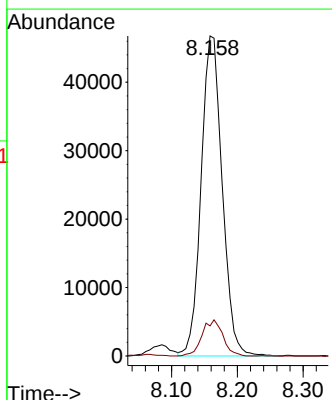
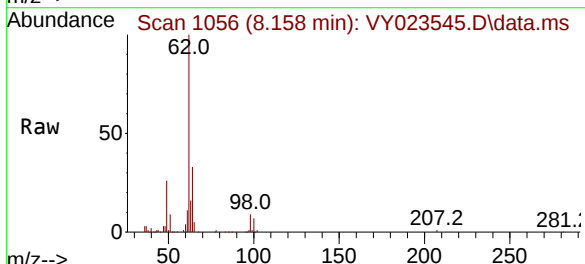
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

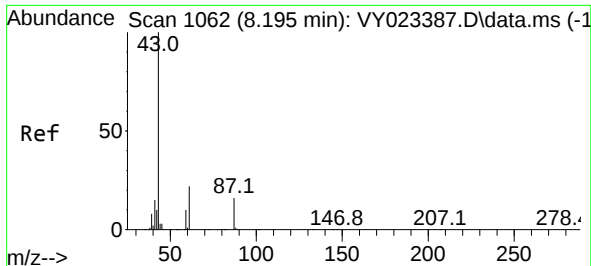
Tgt Ion: 41 Resp: 23647  
Ion Ratio Lower Upper  
41 100  
39 0.0 52.2 78.4#  
67 102.5 74.9 112.3  
52 40.1 29.2 43.8



#42  
1,2-Dichloroethane  
Concen: 19.787 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 62 Resp: 104422  
Ion Ratio Lower Upper  
62 100  
98 11.2 0.0 21.6

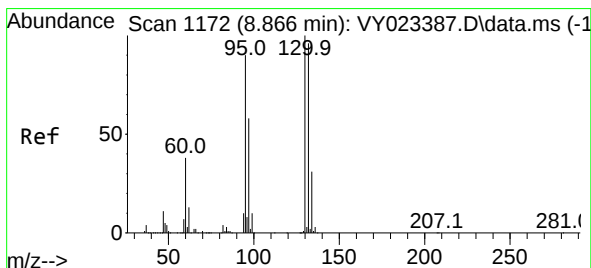
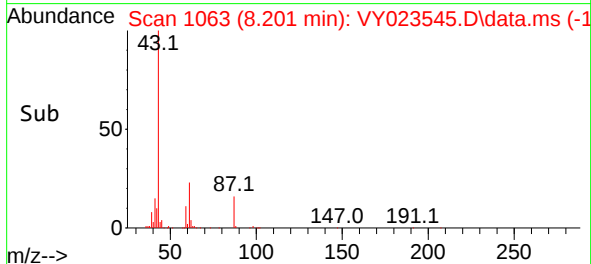
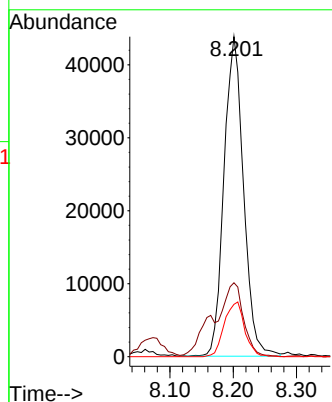
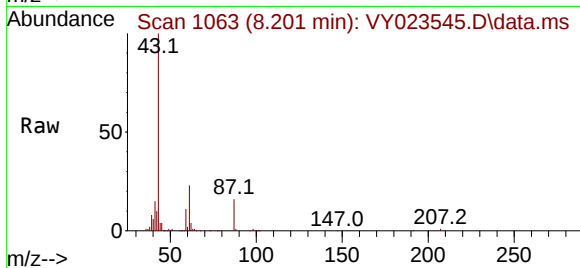




#43  
Isopropyl Acetate  
Concen: 18.386 ug/l  
RT: 8.201 min Scan# 1063  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

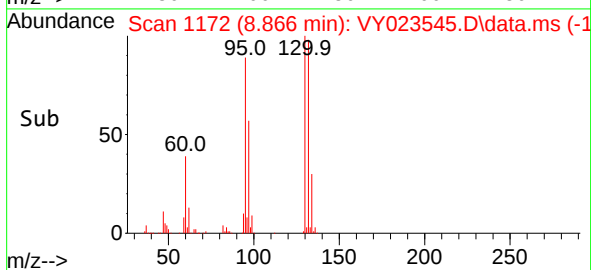
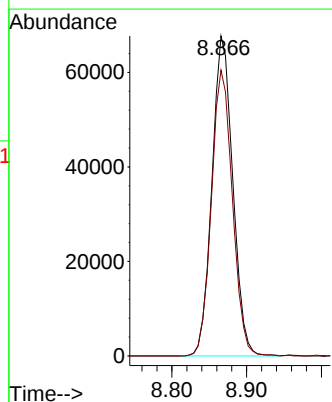
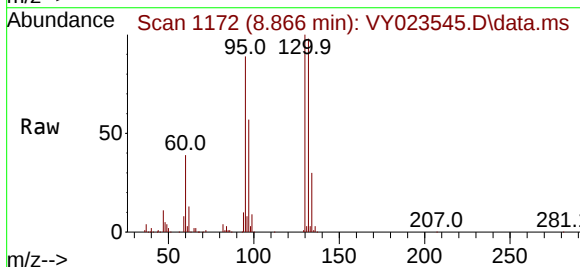
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

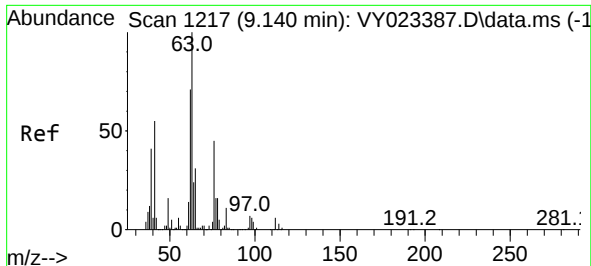
Tgt Ion: 43 Resp: 93851  
Ion Ratio Lower Upper  
43 100  
61 25.1 18.1 27.1  
87 17.9 13.5 20.3



#44  
Trichloroethene  
Concen: 21.940 ug/l  
RT: 8.866 min Scan# 1172  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion:130 Resp: 131401  
Ion Ratio Lower Upper  
130 100  
95 89.3 0.0 180.6





#45

1,2-Dichloropropane

Concen: 21.006 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

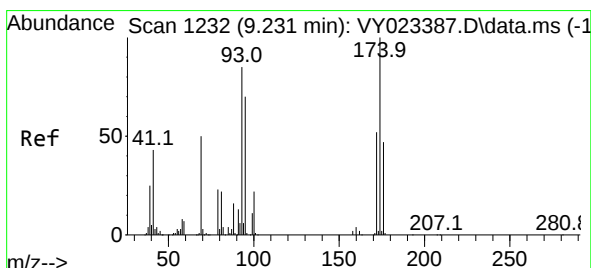
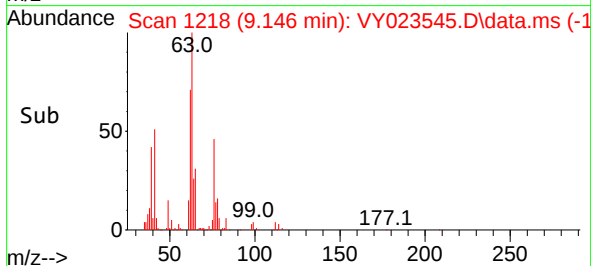
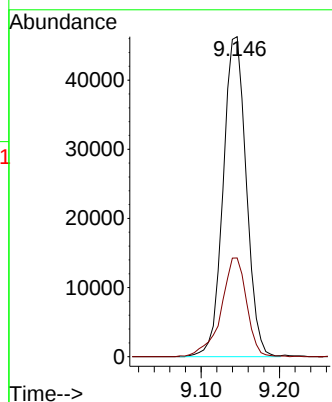
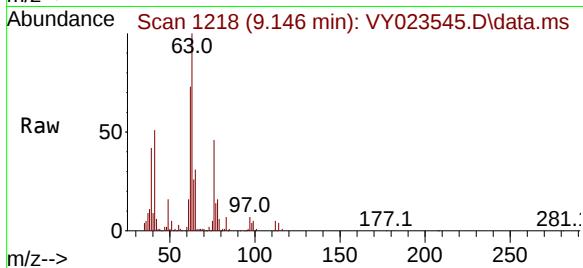
VY1022SBS01

Tgt Ion: 63 Resp: 94941

Ion Ratio Lower Upper

63 100

65 30.7 24.9 37.3



#46

Dibromomethane

Concen: 20.843 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

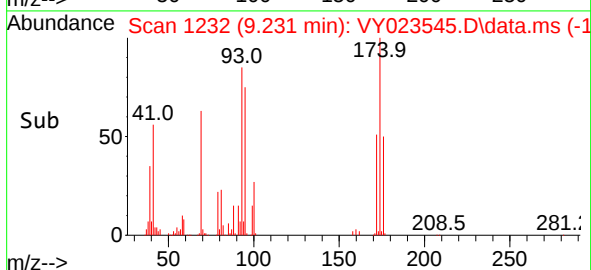
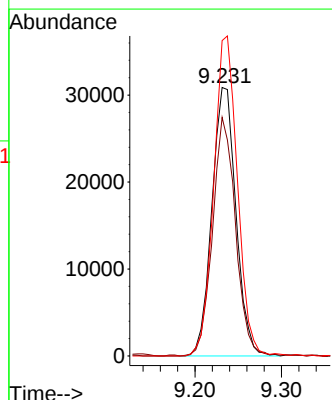
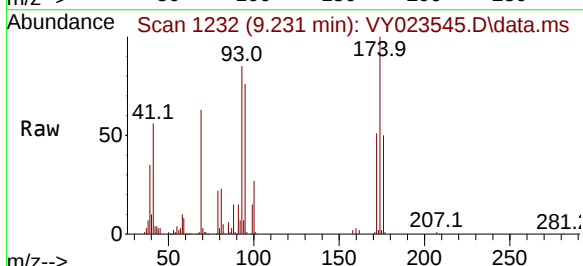
Tgt Ion: 93 Resp: 59570

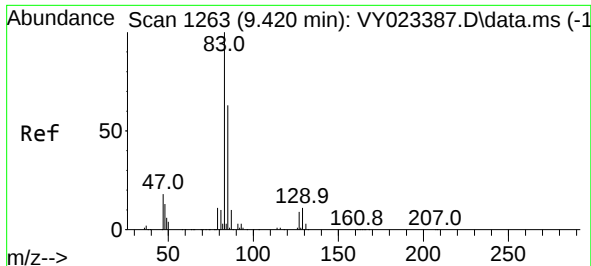
Ion Ratio Lower Upper

93 100

95 85.1 65.4 98.0

174 117.7 92.9 139.3

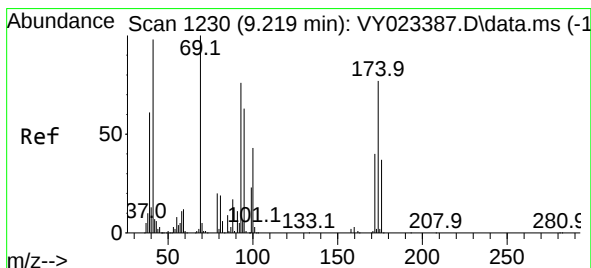
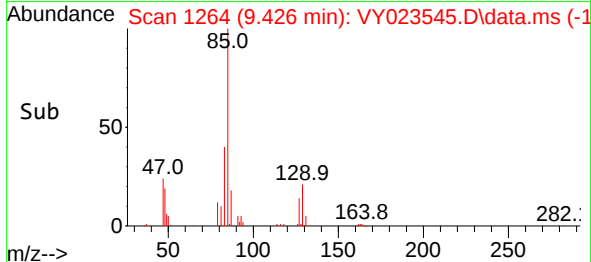
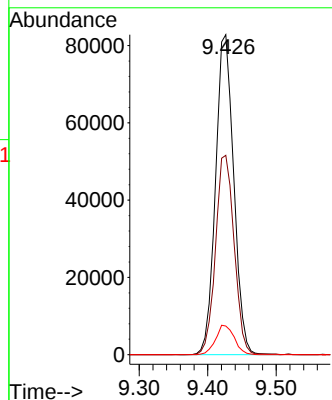
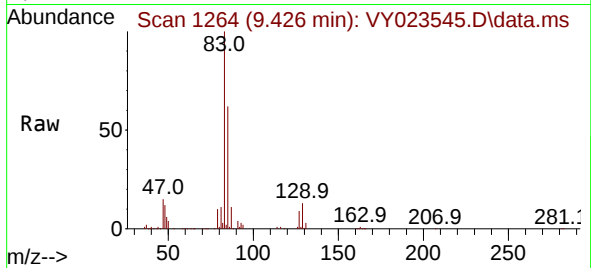




#47  
Bromodichloromethane  
Concen: 21.237 ug/l  
RT: 9.426 min Scan# 1263  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

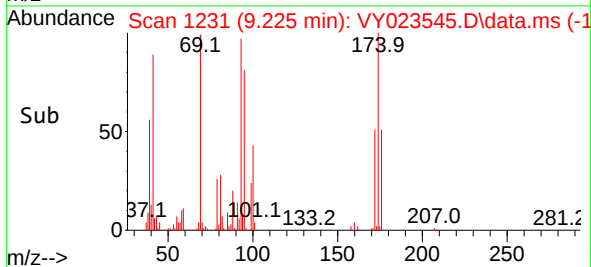
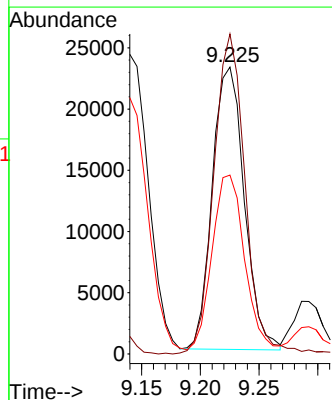
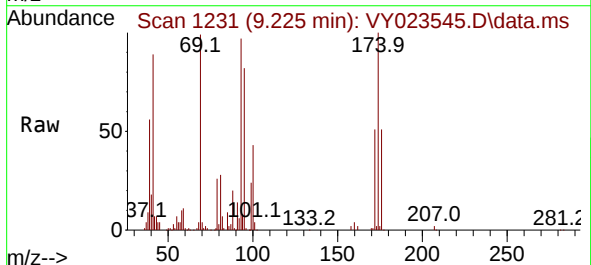
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

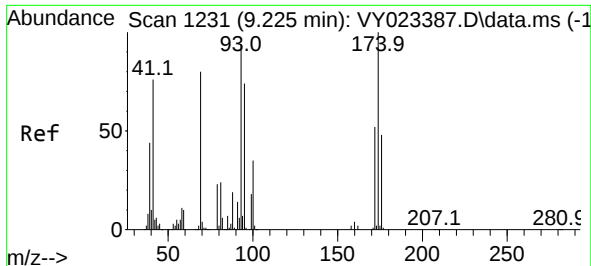
Tgt Ion: 83 Resp: 152859  
Ion Ratio Lower Upper  
83 100  
85 62.3 50.8 76.2  
127 8.9 7.4 11.2



#48  
Methyl methacrylate  
Concen: 18.246 ug/l  
RT: 9.225 min Scan# 1231  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 41 Resp: 43753  
Ion Ratio Lower Upper  
41 100  
69 111.4 81.0 121.4  
39 62.9 48.2 72.4





#49

1,4-Dioxane

Concen: 368.059 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

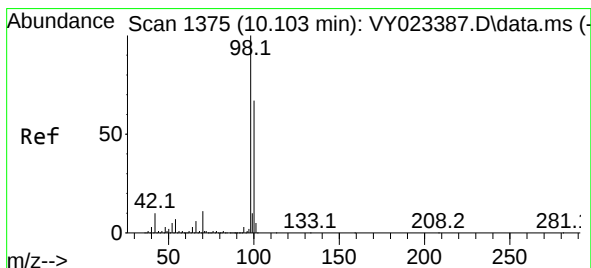
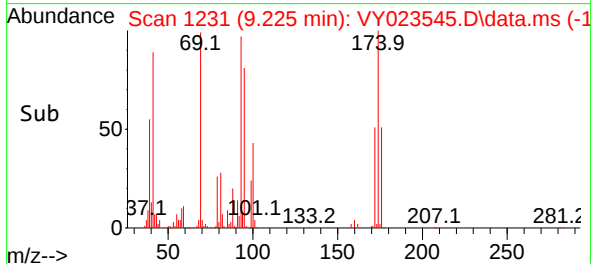
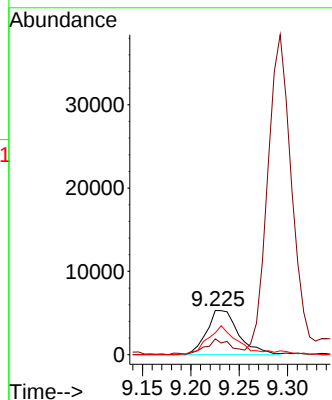
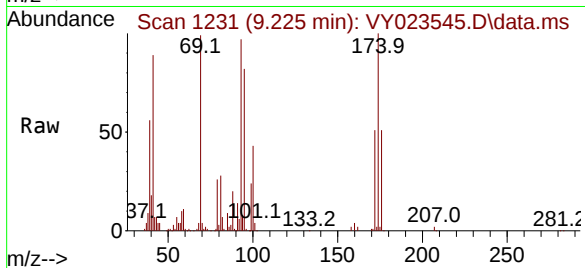
Tgt Ion: 88 Resp: 12196

Ion Ratio Lower Upper

88 100

43 30.0 21.8 32.8

58 60.8 46.8 70.2



#50

Toluene-d8

Concen: 49.771 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023545.D

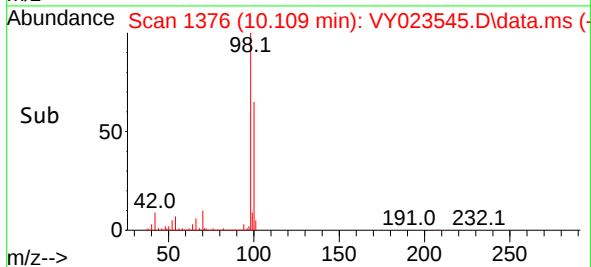
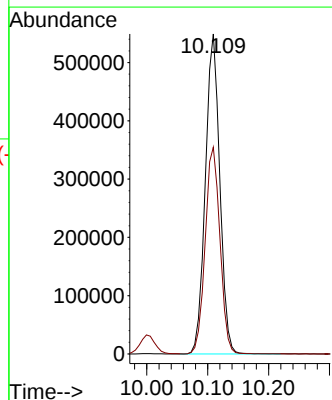
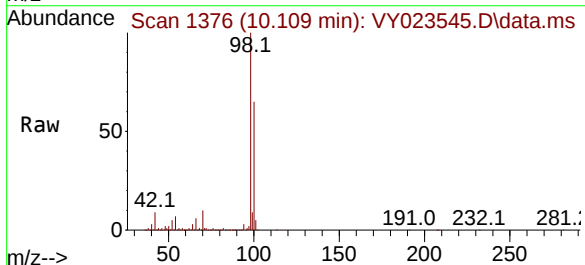
Acq: 22 Oct 2025 10:28

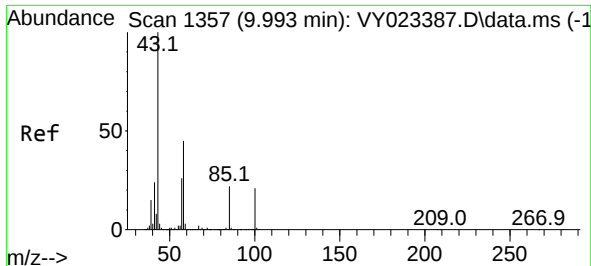
Tgt Ion: 98 Resp: 904633

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 96.032 ug/l

RT: 9.999 min Scan# 1357

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

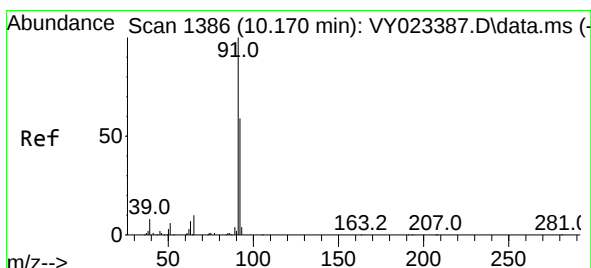
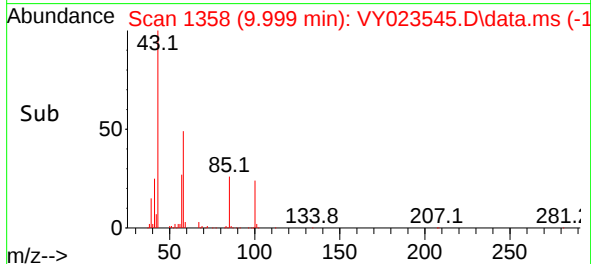
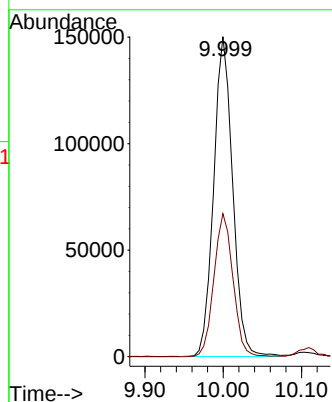
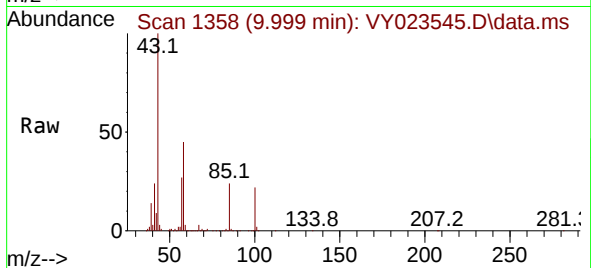
VY1022SBS01

Tgt Ion: 43 Resp: 253262

Ion Ratio Lower Upper

43 100

58 45.0 35.3 52.9



#52

Toluene

Concen: 21.986 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VY023545.D

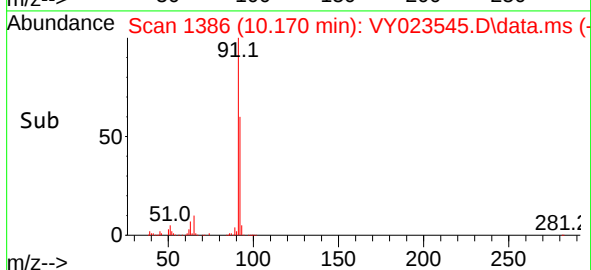
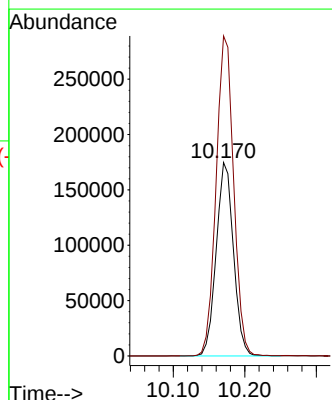
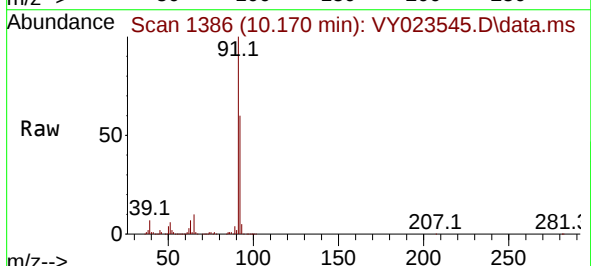
Acq: 22 Oct 2025 10:28

Tgt Ion: 92 Resp: 292104

Ion Ratio Lower Upper

92 100

91 168.4 136.4 204.6

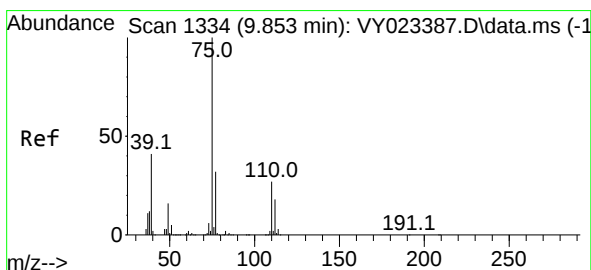
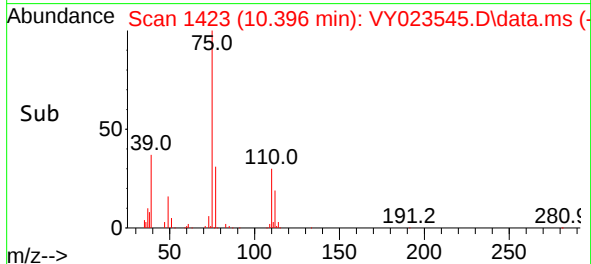
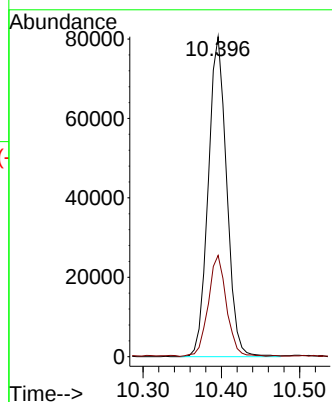
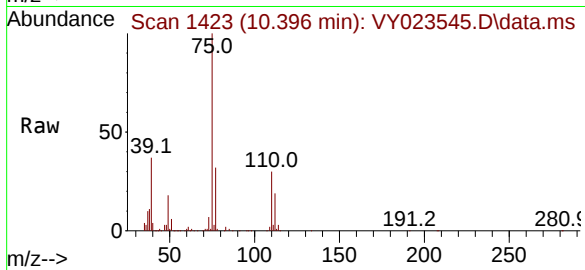




#53  
 t-1,3-Dichloropropene  
 Concen: 21.031 ug/l  
 RT: 10.396 min Scan# 1422  
 Delta R.T. 0.006 min  
 Lab File: VY023545.D  
 Acq: 22 Oct 2025 10:28

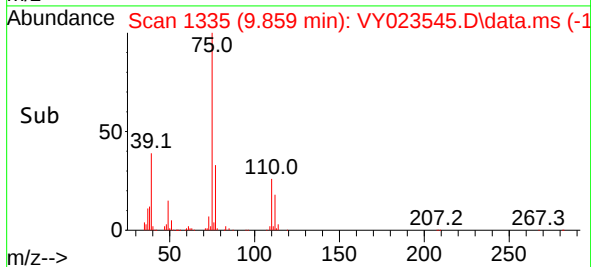
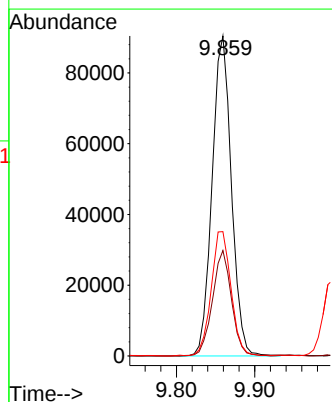
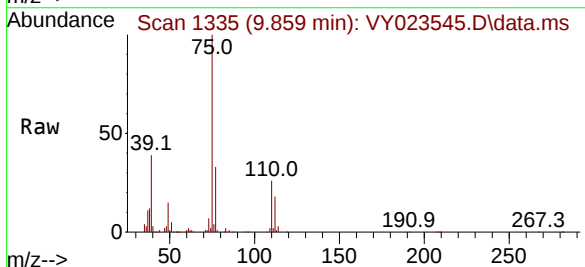
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1022SBS01

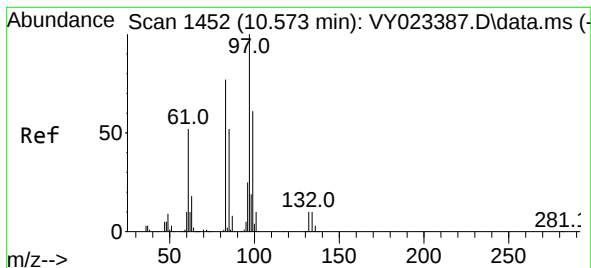
Tgt Ion: 75 Resp: 131626  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 25.1 37.7



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.924 ug/l  
 RT: 9.859 min Scan# 1335  
 Delta R.T. 0.006 min  
 Lab File: VY023545.D  
 Acq: 22 Oct 2025 10:28

Tgt Ion: 75 Resp: 154563  
 Ion Ratio Lower Upper  
 75 100  
 77 33.0 25.4 38.0  
 39 38.6 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 21.572 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

Tgt Ion: 97 Resp: 82907

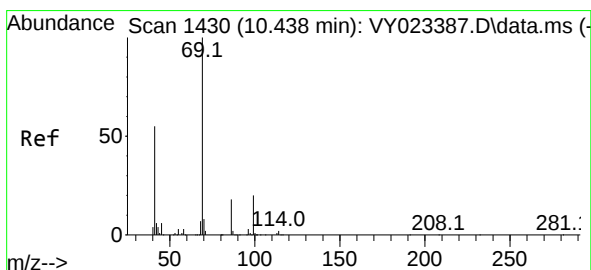
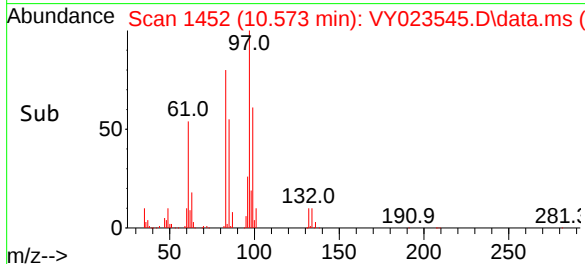
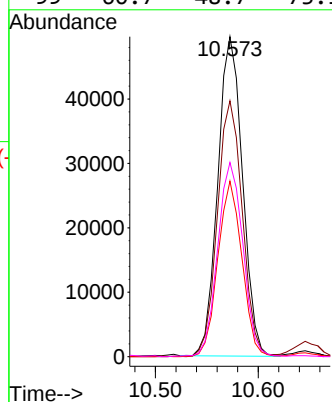
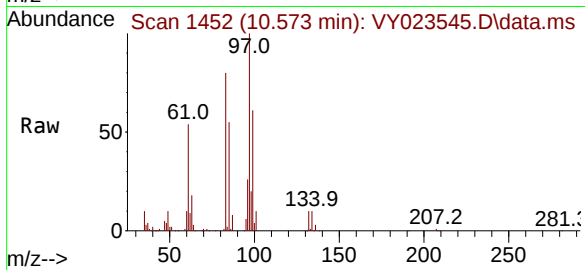
Ion Ratio Lower Upper

97 100

83 80.1 61.8 92.6

85 55.0 41.3 61.9

99 60.7 48.7 73.1



#56

Ethyl methacrylate

Concen: 19.771 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

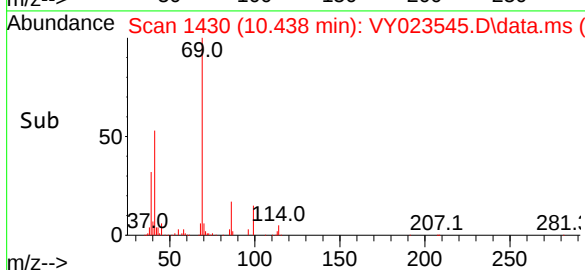
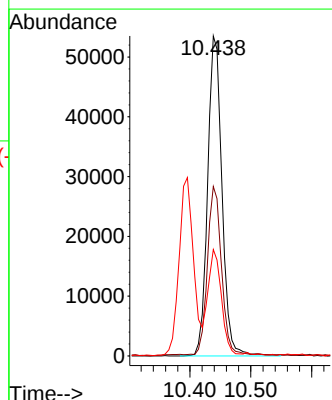
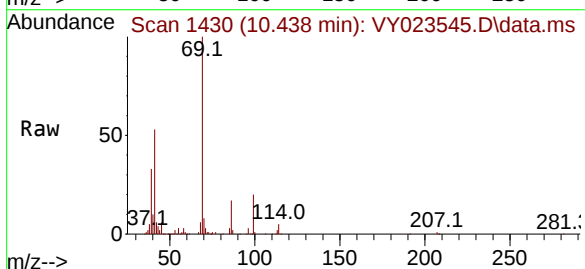
Tgt Ion: 69 Resp: 87648

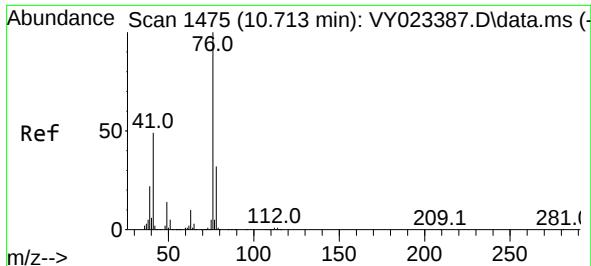
Ion Ratio Lower Upper

69 100

41 50.7 44.6 67.0

39 30.3 27.0 40.4





#57

1,3-Dichloropropane

Concen: 20.809 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

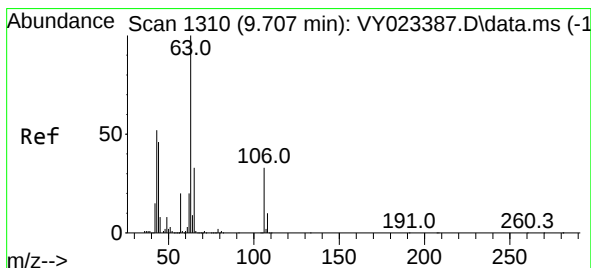
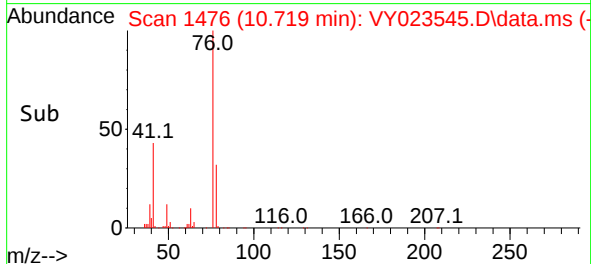
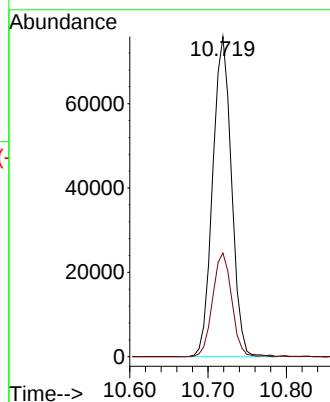
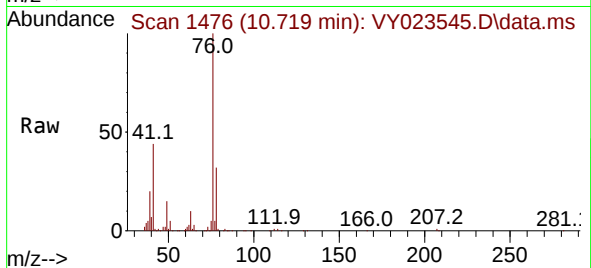
VY1022SBS01

Tgt Ion: 76 Resp: 126727

Ion Ratio Lower Upper

76 100

78 32.8 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 96.421 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023545.D

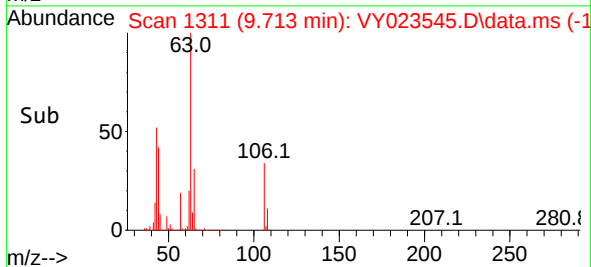
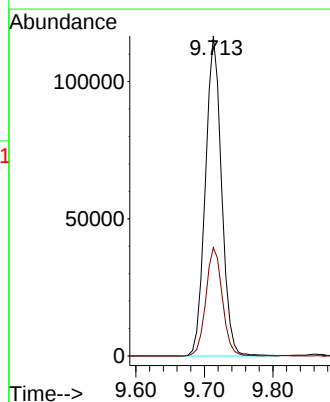
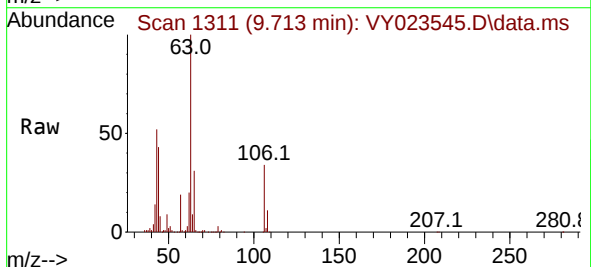
Acq: 22 Oct 2025 10:28

Tgt Ion: 63 Resp: 191490

Ion Ratio Lower Upper

63 100

106 34.4 26.6 39.8

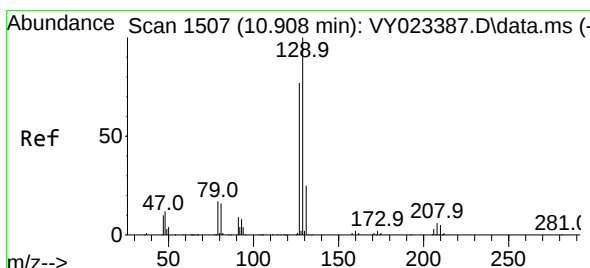
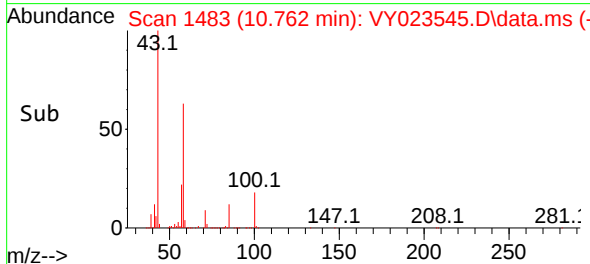
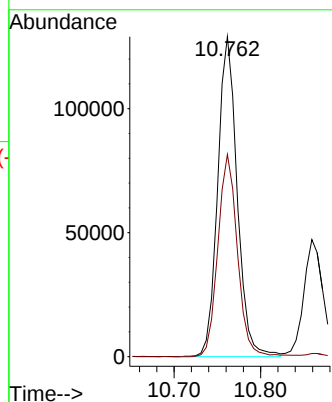
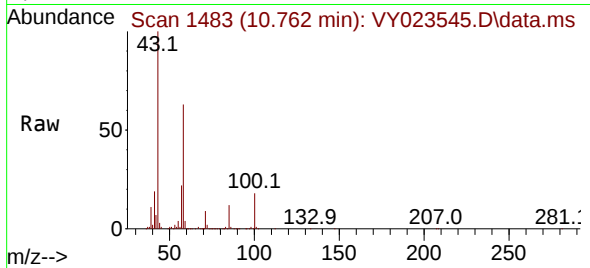




#59  
2-Hexanone  
Concen: 107.056 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

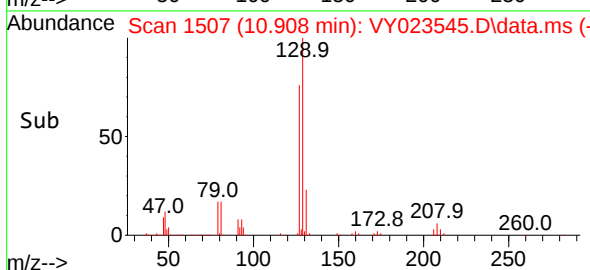
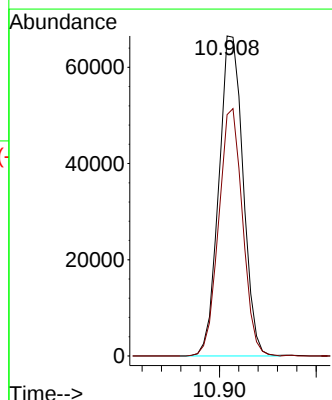
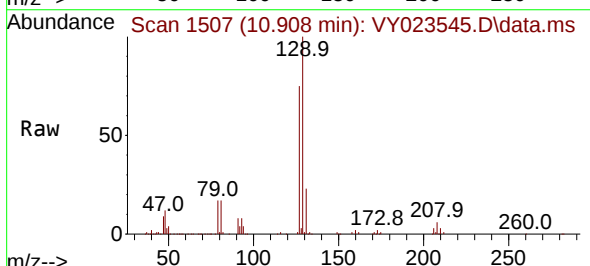
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

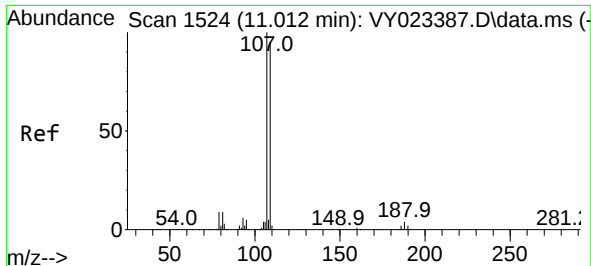
Tgt Ion: 43 Resp: 201768  
Ion Ratio Lower Upper  
43 100  
58 63.4 30.5 91.5



#60  
Dibromochloromethane  
Concen: 21.397 ug/l  
RT: 10.908 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 129 Resp: 115294  
Ion Ratio Lower Upper  
129 100  
127 76.1 38.6 115.7

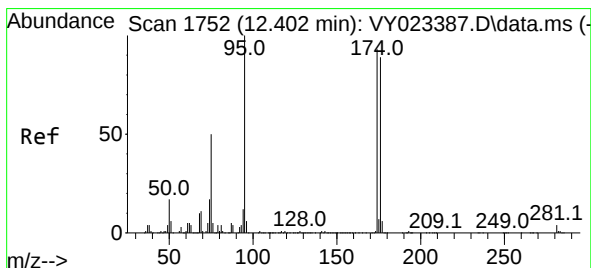
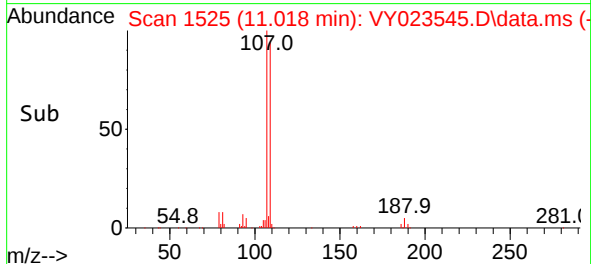
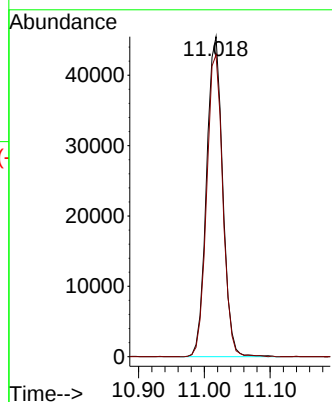
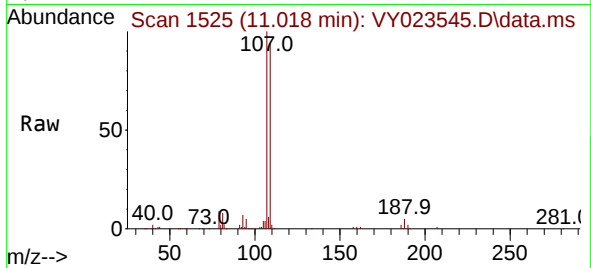




#61  
1,2-Dibromoethane  
Concen: 21.218 ug/l  
RT: 11.018 min Scan# 1524  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

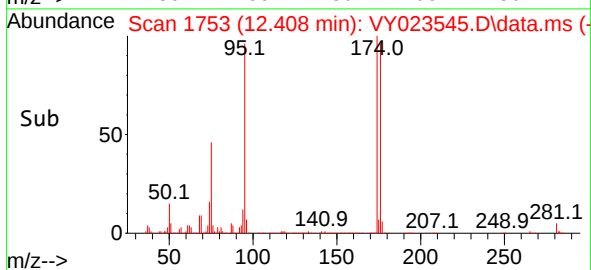
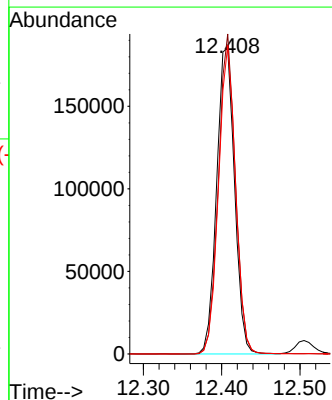
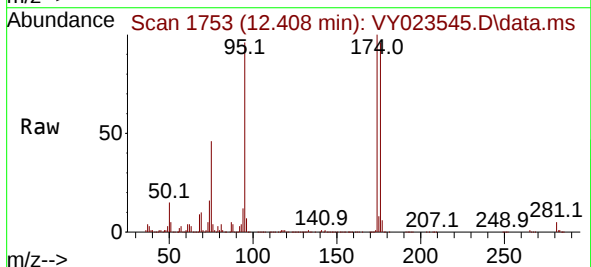
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

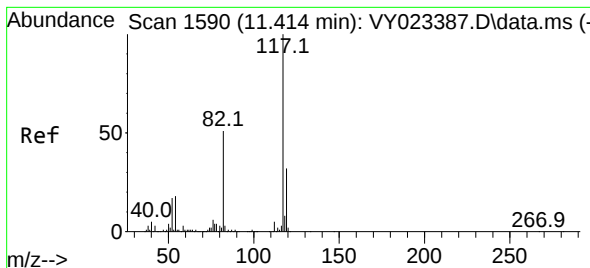
Tgt Ion:107 Resp: 77772  
Ion Ratio Lower Upper  
107 100  
109 94.1 76.1 114.1



#62  
4-Bromofluorobenzene  
Concen: 49.281 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 95 Resp: 295724  
Ion Ratio Lower Upper  
95 100  
174 98.8 0.0 192.8  
176 95.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

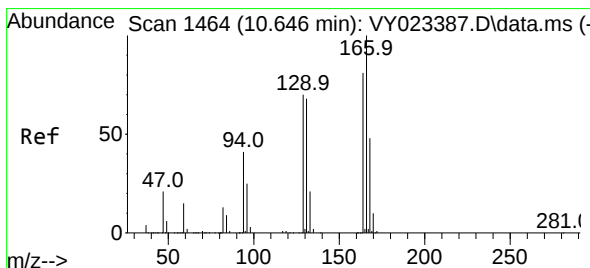
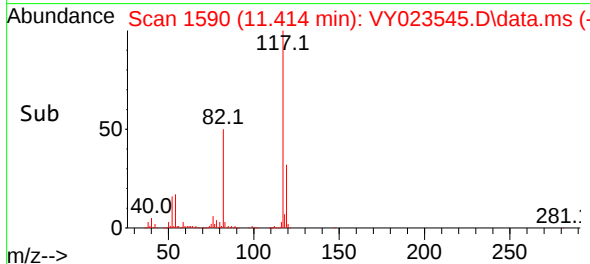
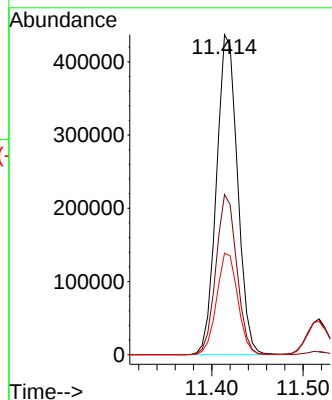
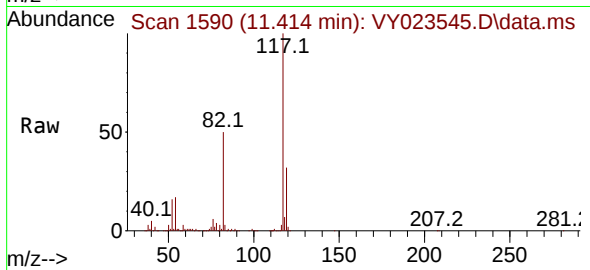
Tgt Ion:117 Resp: 700136

Ion Ratio Lower Upper

117 100

82 50.1 41.0 61.4

119 31.7 25.6 38.4



#64

Tetrachloroethene

Concen: 22.850 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Tgt Ion:164 Resp: 165184

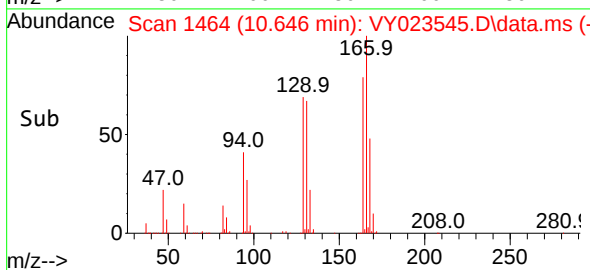
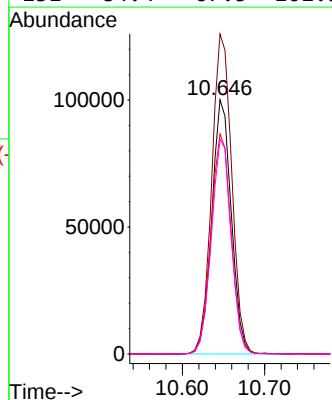
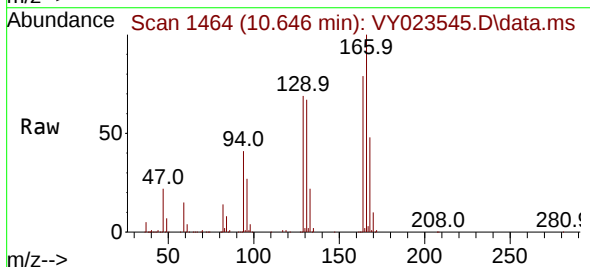
Ion Ratio Lower Upper

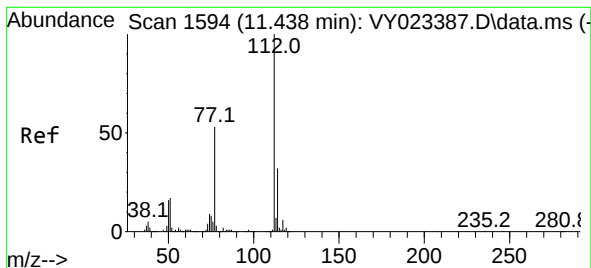
164 100

166 125.9 99.4 149.0

129 86.5 69.4 104.2

131 84.4 67.5 101.3





#65

Chlorobenzene

Concen: 21.371 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

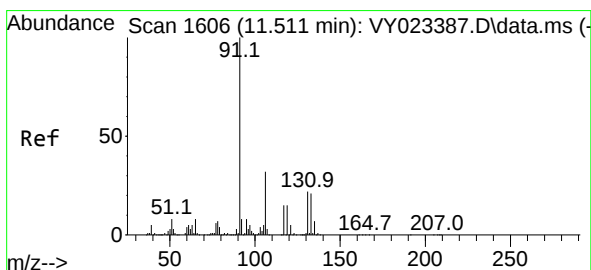
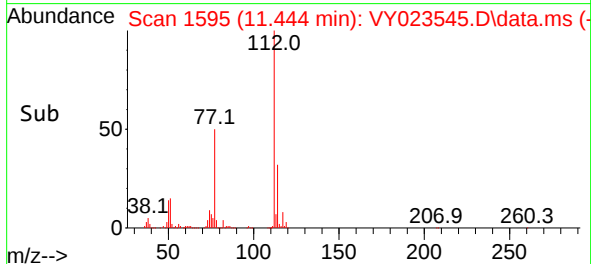
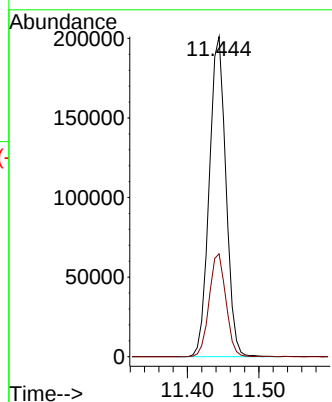
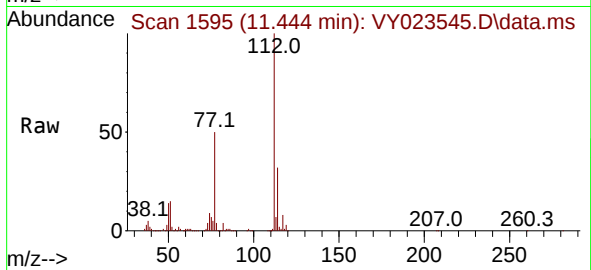
VY1022SBS01

Tgt Ion:112 Resp: 325435

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 21.452 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

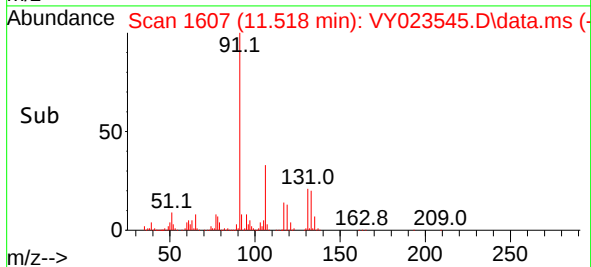
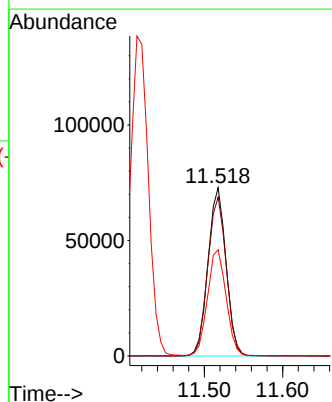
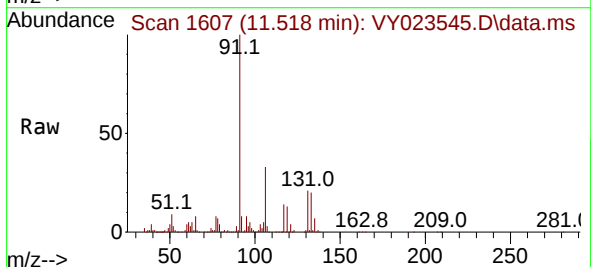
Tgt Ion:131 Resp: 116407

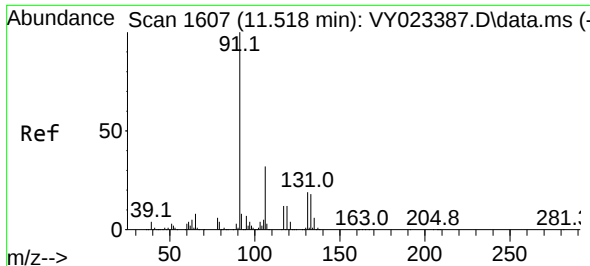
Ion Ratio Lower Upper

131 100

133 96.9 48.4 145.2

119 65.4 32.4 97.2





#67

Ethyl Benzene

Concen: 21.179 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

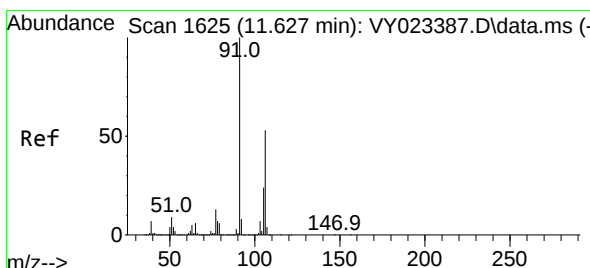
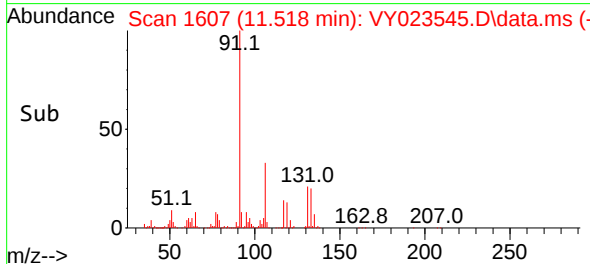
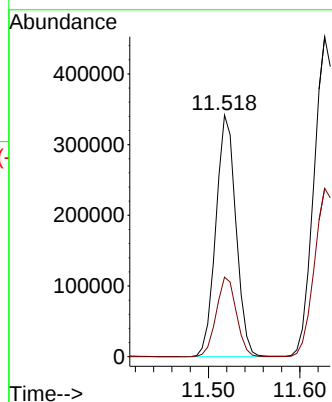
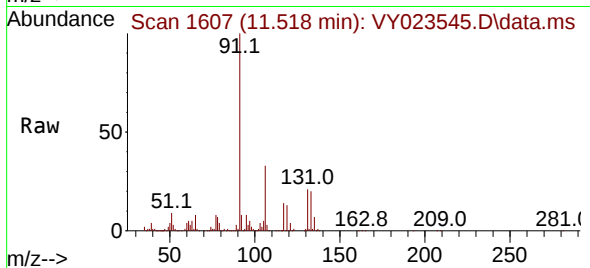
VY1022SBS01

Tgt Ion: 91 Resp: 522038

Ion Ratio Lower Upper

91 100

106 32.9 25.8 38.8



#68

m/p-Xylenes

Concen: 43.322 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023545.D

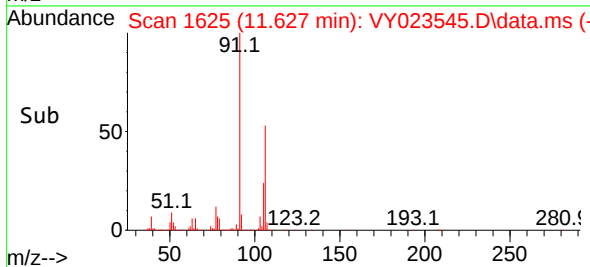
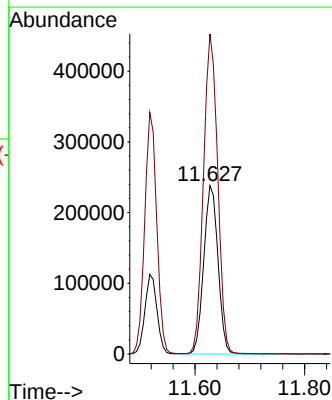
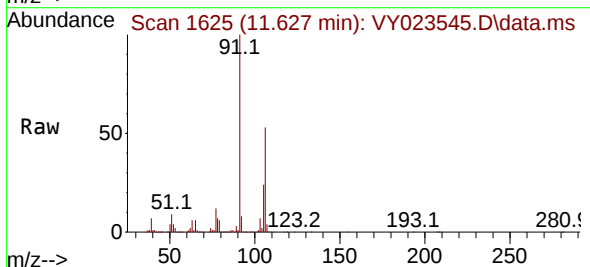
Acq: 22 Oct 2025 10:28

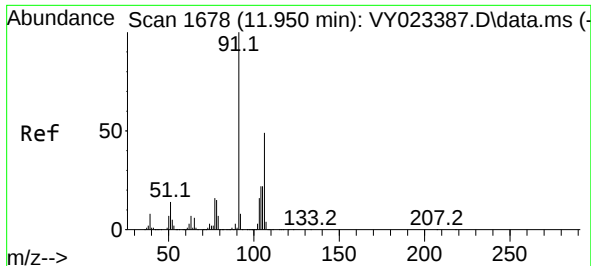
Tgt Ion:106 Resp: 428308

Ion Ratio Lower Upper

106 100

91 189.4 152.6 229.0

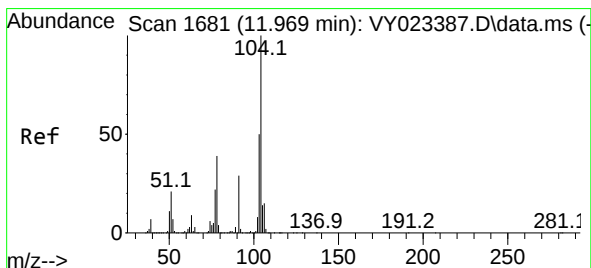
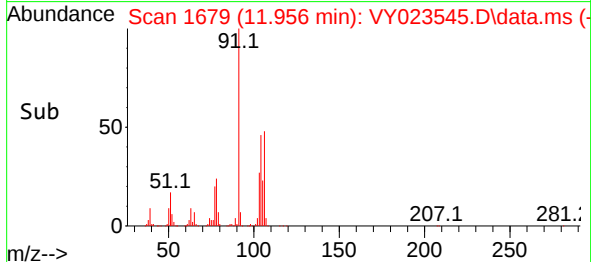
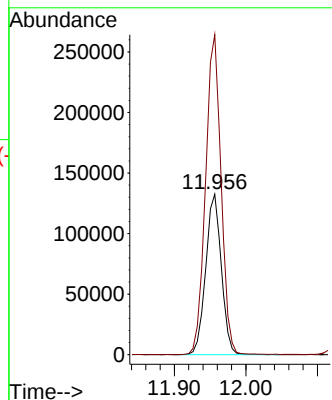
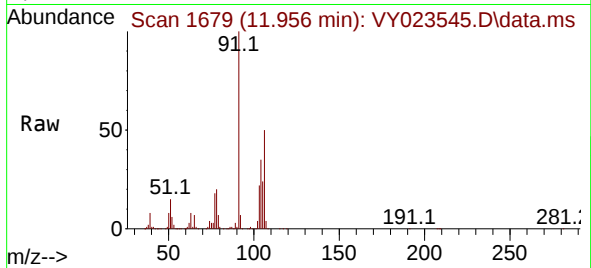




#69  
o-Xylene  
Concen: 21.646 ug/l  
RT: 11.956 min Scan# 1679  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

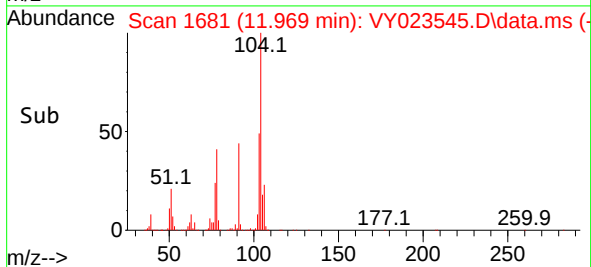
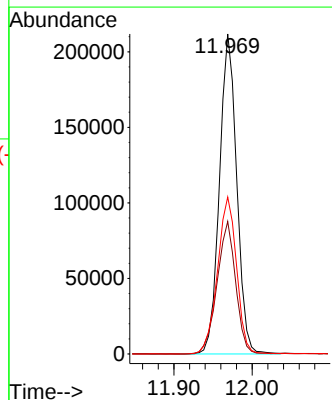
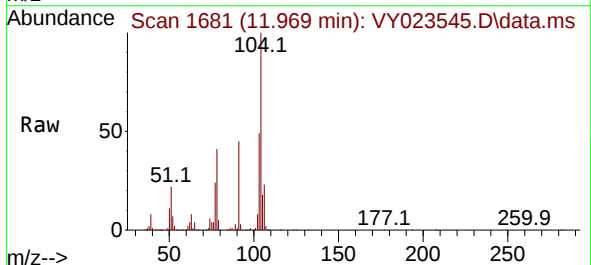
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

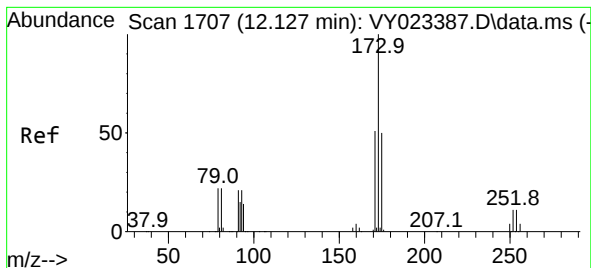
Tgt Ion:106 Resp: 200731  
Ion Ratio Lower Upper  
106 100  
91 198.5 101.4 304.1



#70  
Styrene  
Concen: 21.324 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion:104 Resp: 325186  
Ion Ratio Lower Upper  
104 100  
78 44.8 36.1 54.1  
103 54.1 43.2 64.8





#71

Bromoform

Concen: 20.514 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

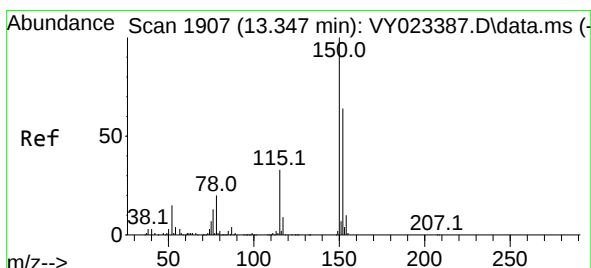
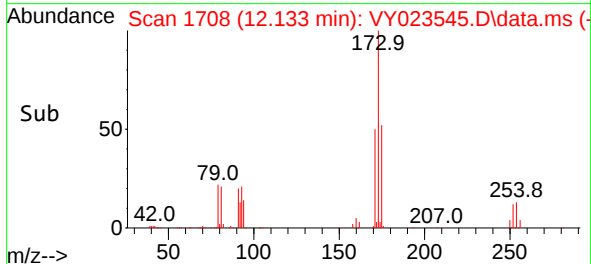
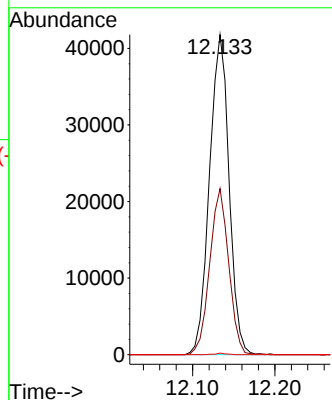
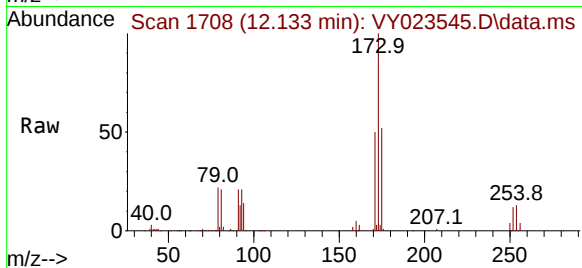
Tgt Ion:173 Resp: 69048

Ion Ratio Lower Upper

173 100

175 50.4 24.8 74.3

254 0.3 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

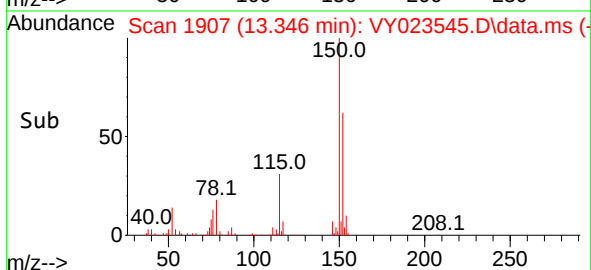
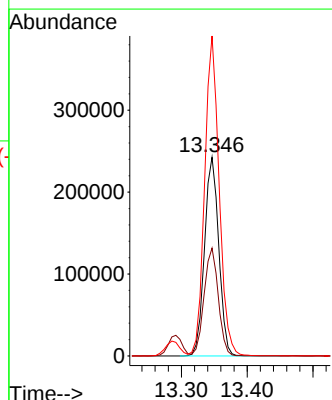
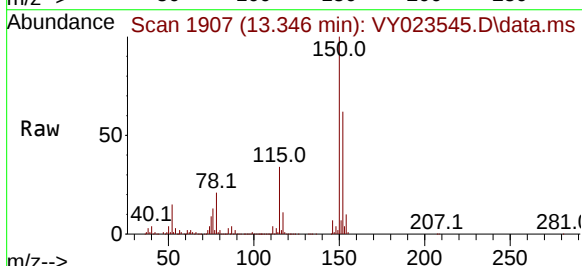
Tgt Ion:152 Resp: 365280

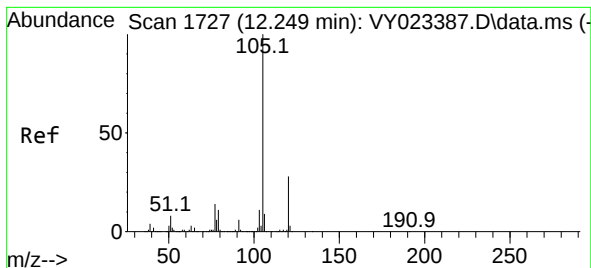
Ion Ratio Lower Upper

152 100

115 53.8 27.1 81.2

150 163.7 0.0 347.4





#73

Isopropylbenzene

Concen: 21.671 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

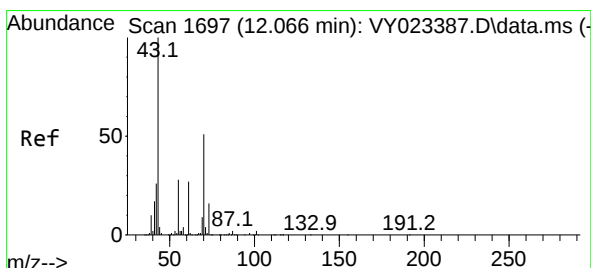
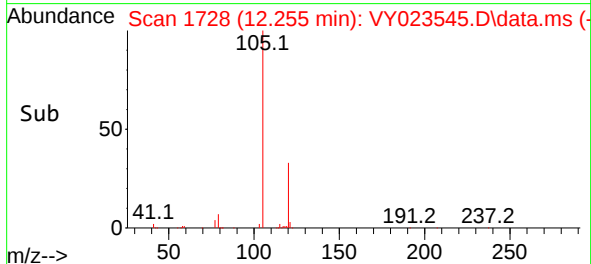
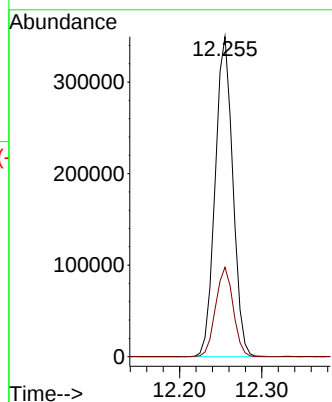
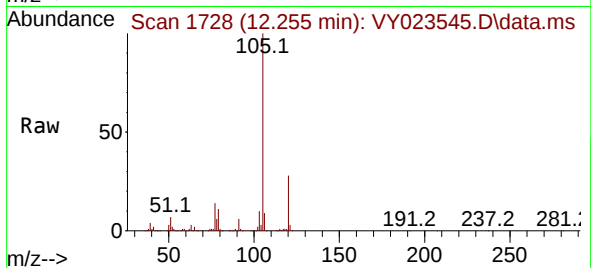
VY1022SBS01

Tgt Ion:105 Resp: 521665

Ion Ratio Lower Upper

105 100

120 27.8 13.9 41.7



#74

N-ethyl acetate

Concen: 17.731 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Tgt Ion: 43 Resp: 76665

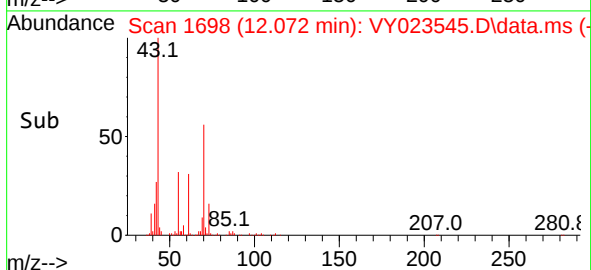
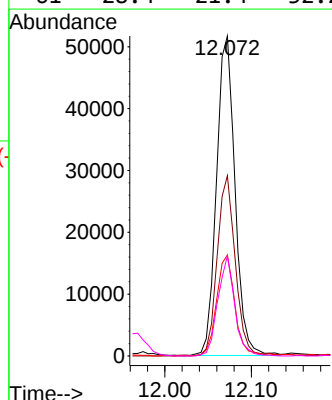
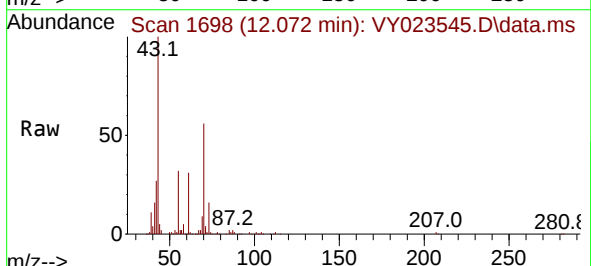
Ion Ratio Lower Upper

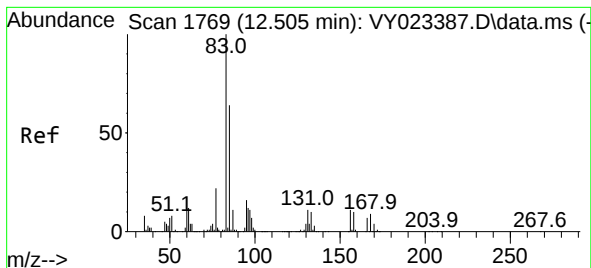
43 100

70 55.8 41.1 61.7

55 30.9 23.0 34.6

61 28.4 21.4 32.2

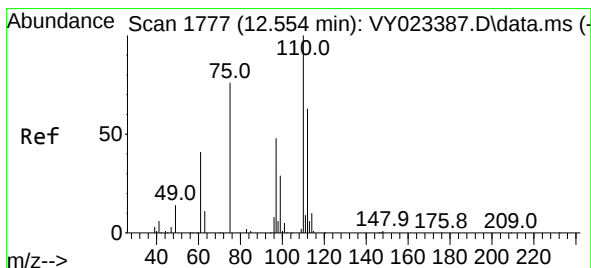
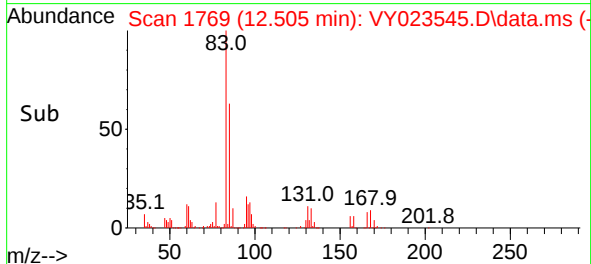
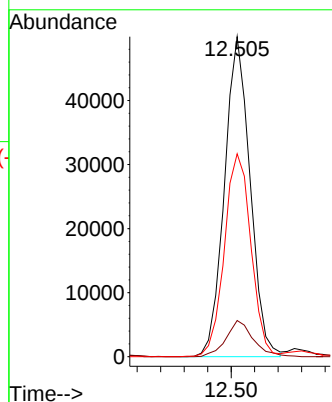
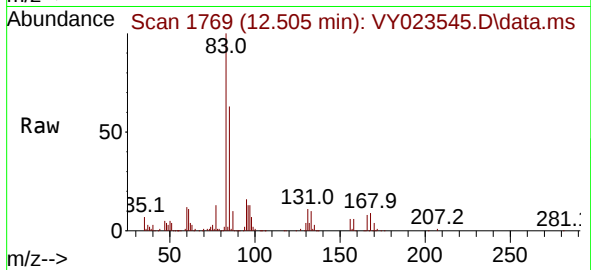




#75  
1,1,2,2-Tetrachloroethane  
Concen: 19.185 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

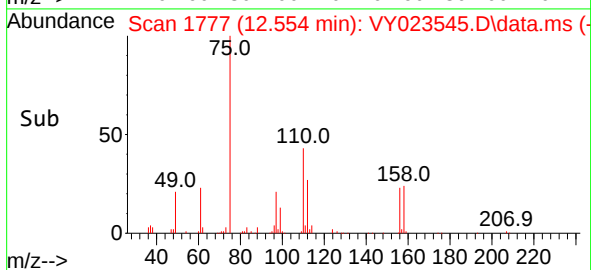
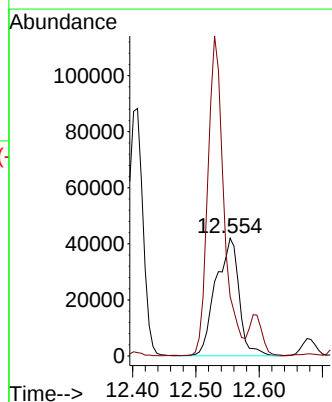
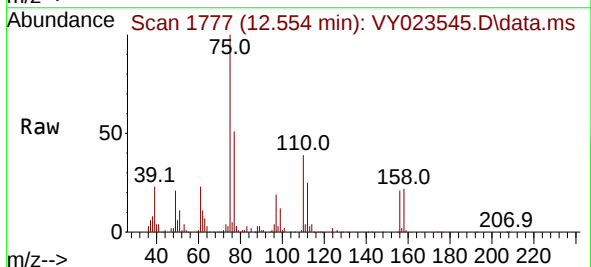
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

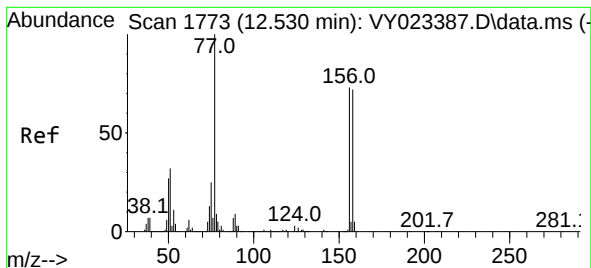
Tgt Ion: 83 Resp: 75537  
Ion Ratio Lower Upper  
83 100  
131 12.0 5.9 17.6  
85 65.8 31.8 95.3



#76  
1,2,3-Trichloropropane  
Concen: 33.114 ug/l  
RT: 12.554 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 75 Resp: 106719  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.307 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

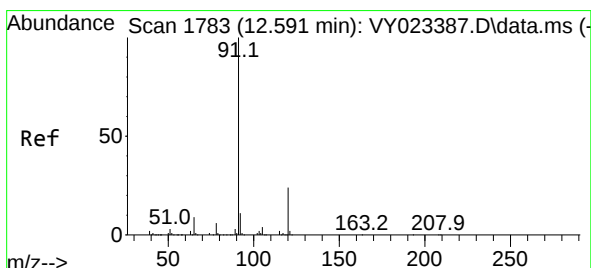
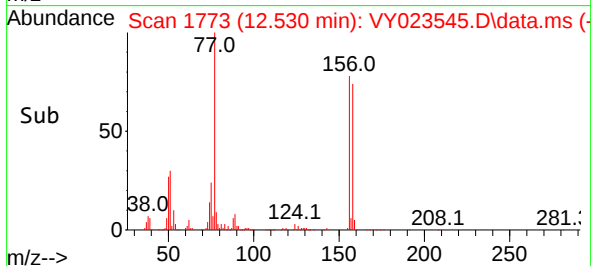
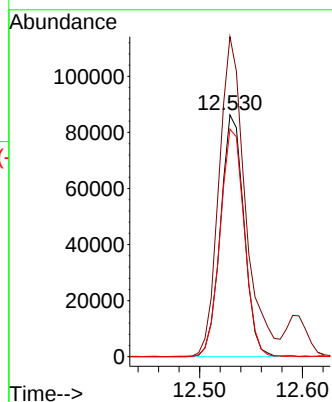
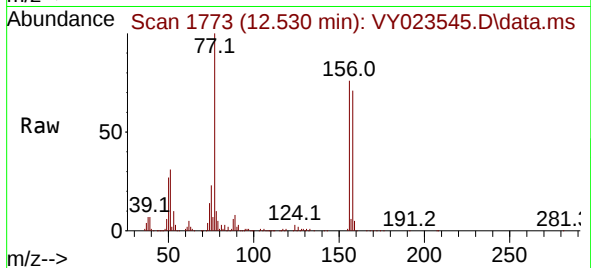
Tgt Ion:156 Resp: 136360

Ion Ratio Lower Upper

156 100

77 149.0 76.8 230.5

158 96.9 49.0 147.2



#78

n-propylbenzene

Concen: 21.651 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY023545.D

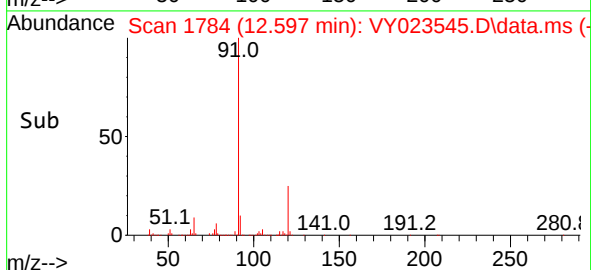
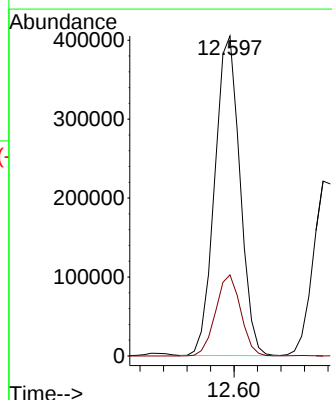
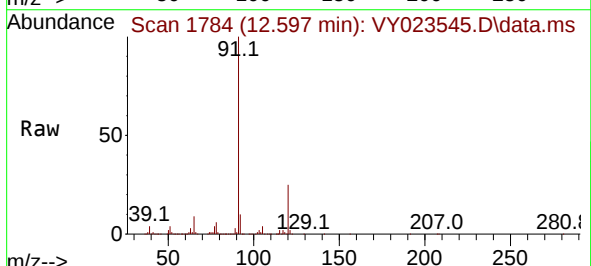
Acq: 22 Oct 2025 10:28

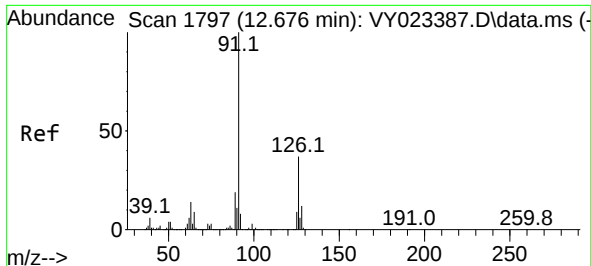
Tgt Ion: 91 Resp: 603121

Ion Ratio Lower Upper

91 100

120 25.2 12.3 36.8

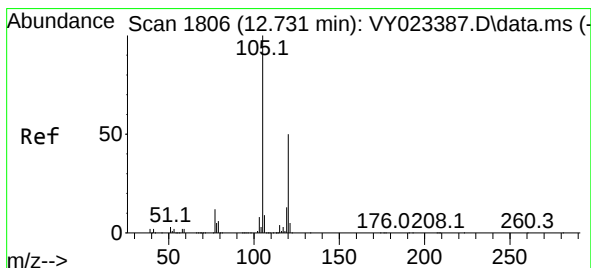
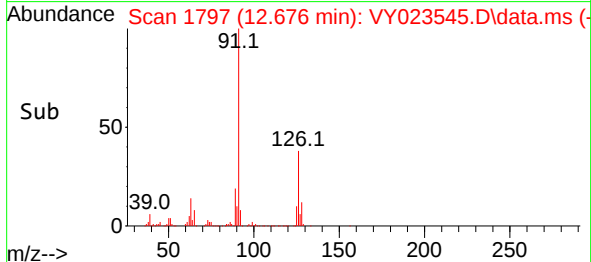
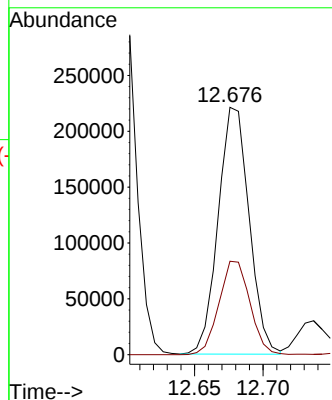
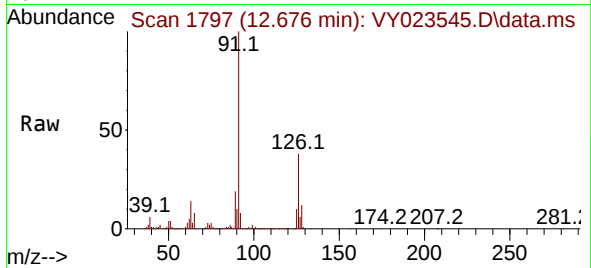




#79  
2-Chlorotoluene  
Concen: 21.335 ug/l  
RT: 12.676 min Scan# 1797  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

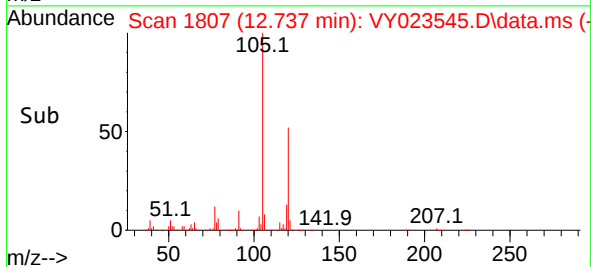
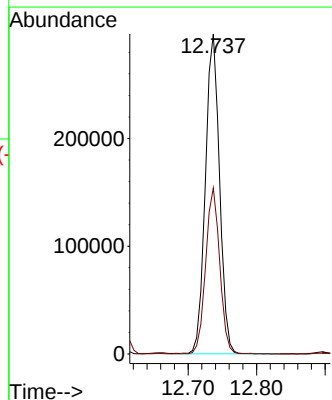
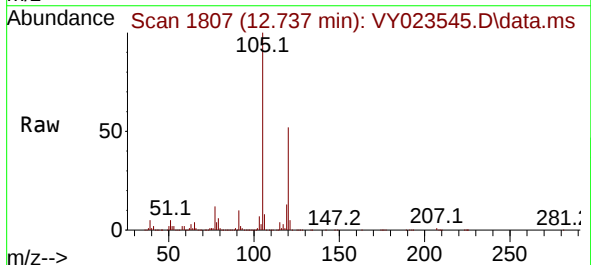
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

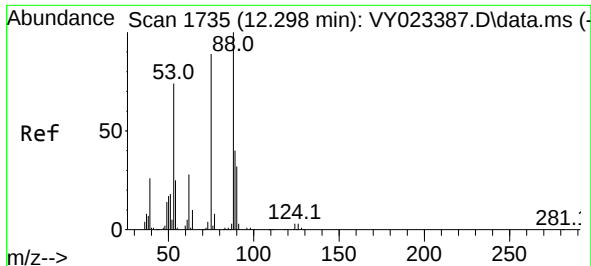
Tgt Ion: 91 Resp: 348031  
Ion Ratio Lower Upper  
91 100  
126 37.8 18.5 55.5



#80  
1,3,5-Trimethylbenzene  
Concen: 21.935 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 105 Resp: 426677  
Ion Ratio Lower Upper  
105 100  
120 51.8 25.4 76.4

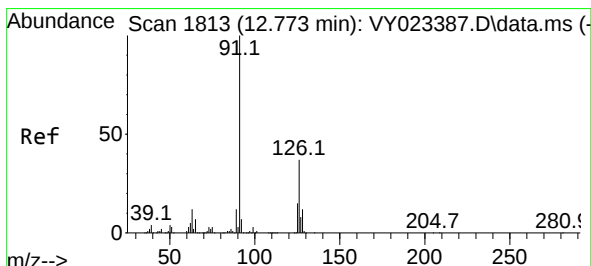
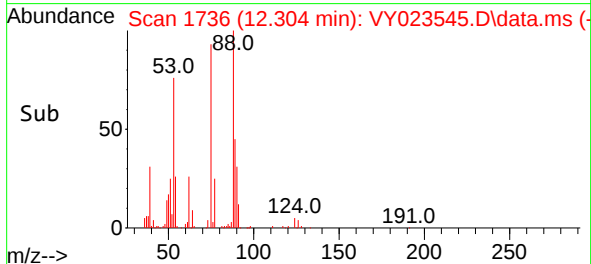
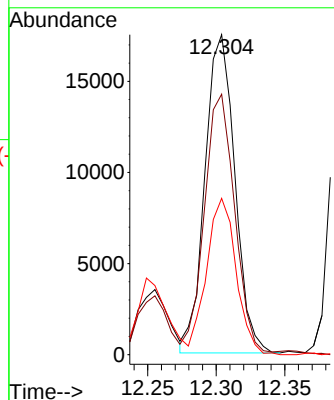
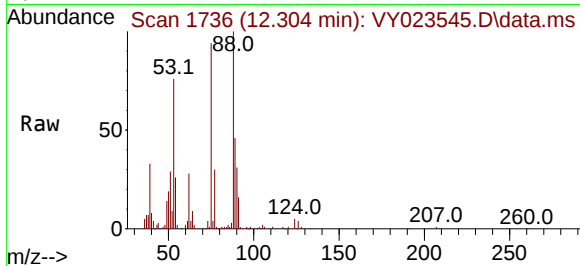




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.178 ug/l  
RT: 12.304 min Scan# 1735  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

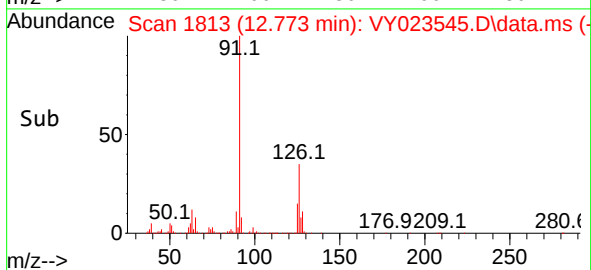
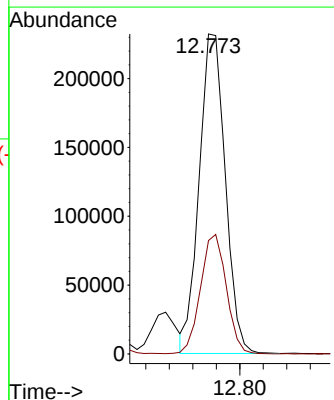
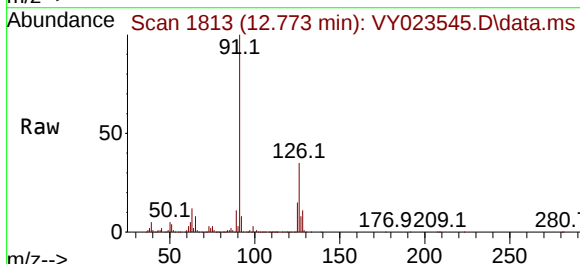
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

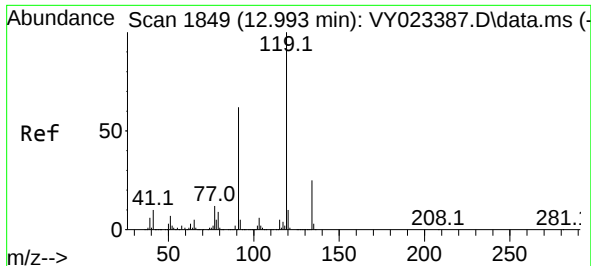
Tgt Ion: 75 Resp: 26519  
Ion Ratio Lower Upper  
75 100  
53 81.9 68.6 102.8  
89 48.4 39.0 58.4



#82  
4-Chlorotoluene  
Concen: 21.322 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 91 Resp: 358213  
Ion Ratio Lower Upper  
91 100  
126 37.0 18.4 55.4

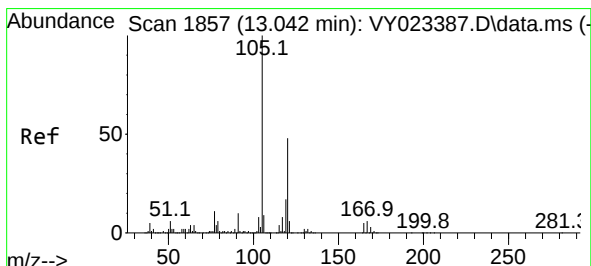
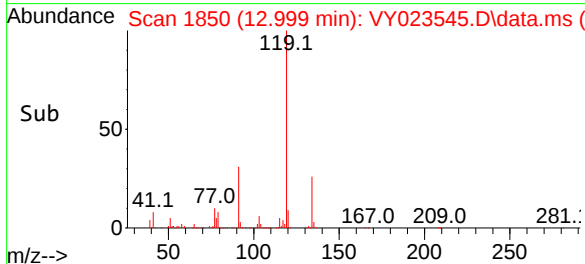
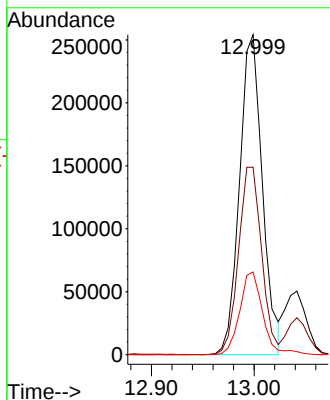
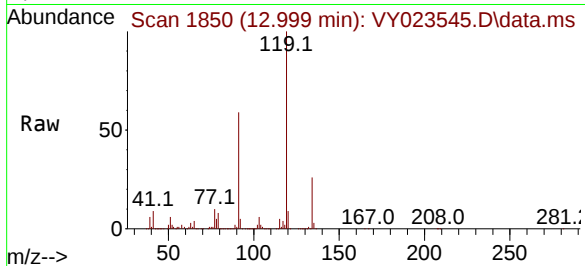




#83  
tert-Butylbenzene  
Concen: 21.889 ug/l  
RT: 12.999 min Scan# 1850  
Delta R.T. 0.006 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

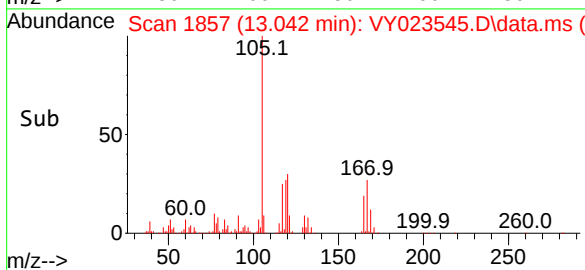
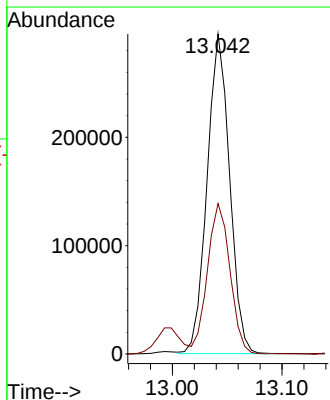
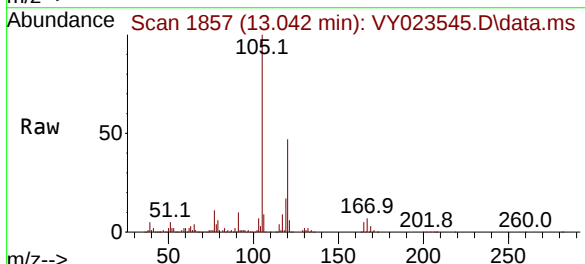
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

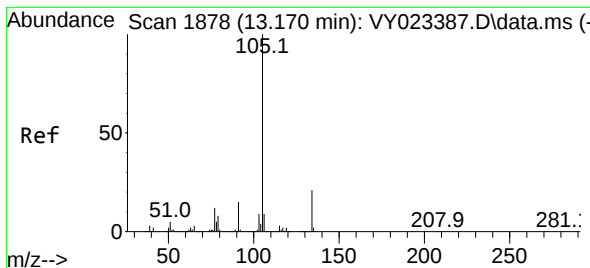
Tgt Ion:119 Resp: 393129  
Ion Ratio Lower Upper  
119 100  
91 59.2 29.9 89.8  
134 26.1 12.9 38.7



#84  
1,2,4-Trimethylbenzene  
Concen: 21.648 ug/l  
RT: 13.042 min Scan# 1857  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion:105 Resp: 420267  
Ion Ratio Lower Upper  
105 100  
120 47.1 23.8 71.2





#85

sec-Butylbenzene

Concen: 21.804 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

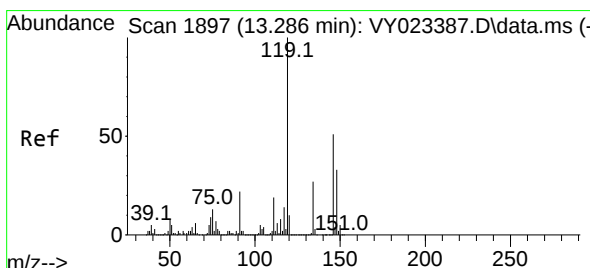
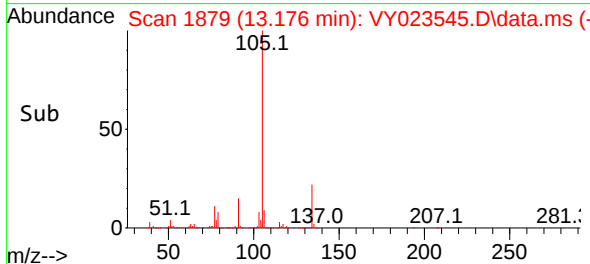
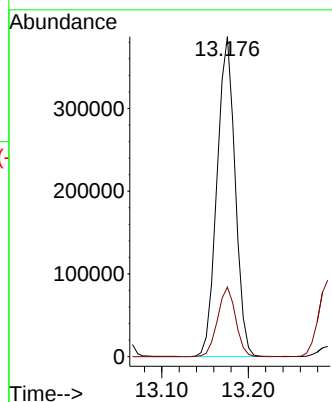
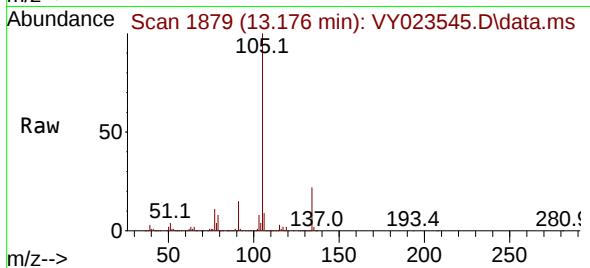
VY1022SBS01

Tgt Ion:105 Resp: 561763

Ion Ratio Lower Upper

105 100

134 21.7 10.7 32.1



#86

p-Isopropyltoluene

Concen: 22.116 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

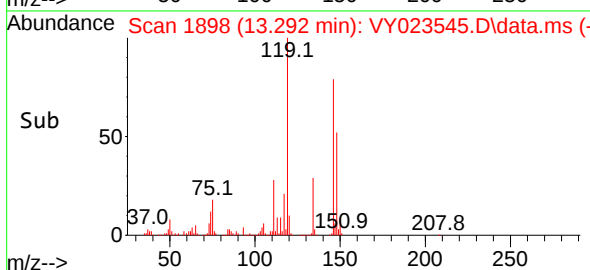
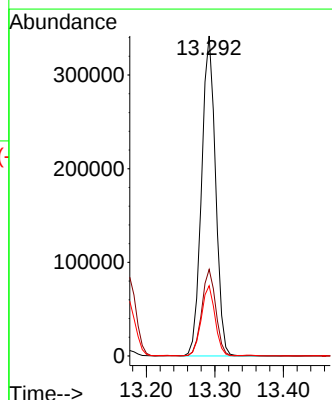
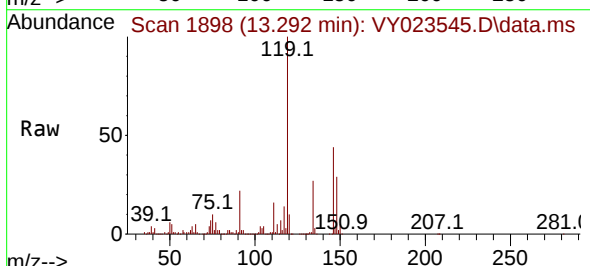
Tgt Ion:119 Resp: 485141

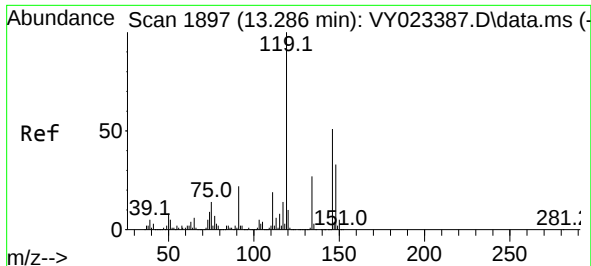
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 21.5 10.9 32.9

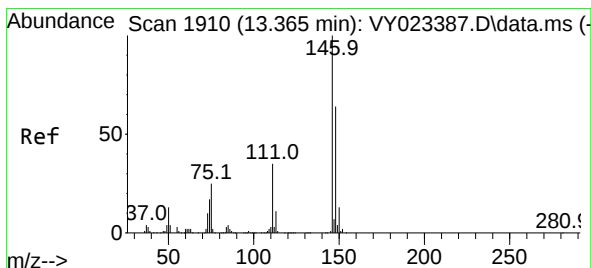
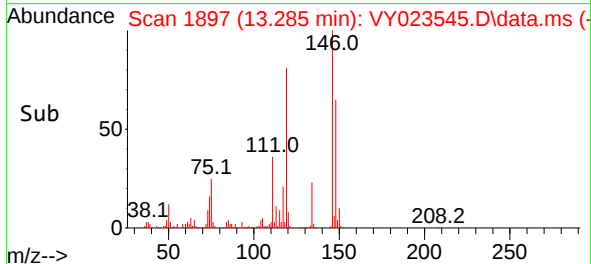
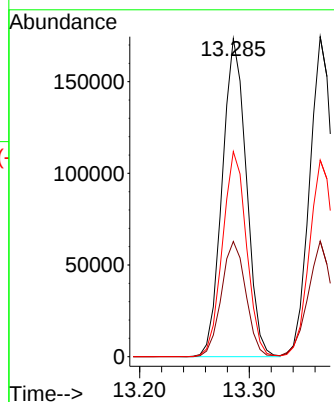
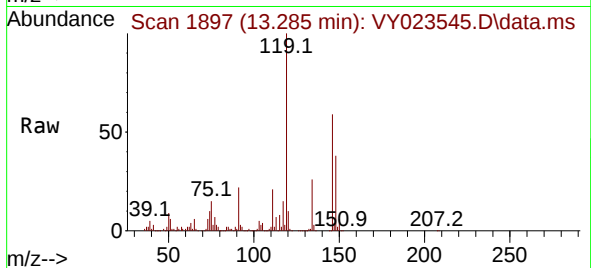




#87  
1,3-Dichlorobenzene  
Concen: 21.270 ug/l  
RT: 13.285 min Scan# 1897  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

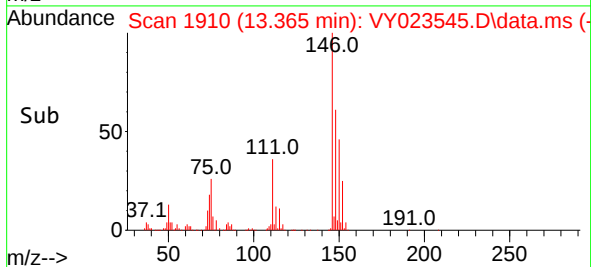
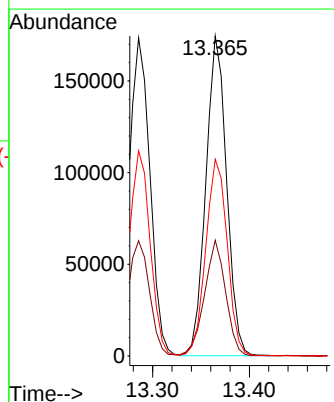
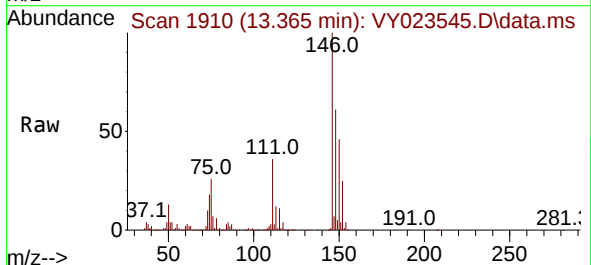
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

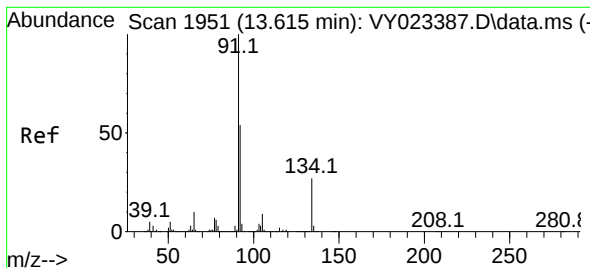
Tgt Ion:146 Resp: 265067  
Ion Ratio Lower Upper  
146 100  
111 36.7 18.7 56.1  
148 64.2 31.9 95.9



#88  
1,4-Dichlorobenzene  
Concen: 21.147 ug/l  
RT: 13.365 min Scan# 1910  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion:146 Resp: 260280  
Ion Ratio Lower Upper  
146 100  
111 36.9 18.0 54.0  
148 63.7 31.9 95.7





#89

n-Butylbenzene

Concen: 21.317 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

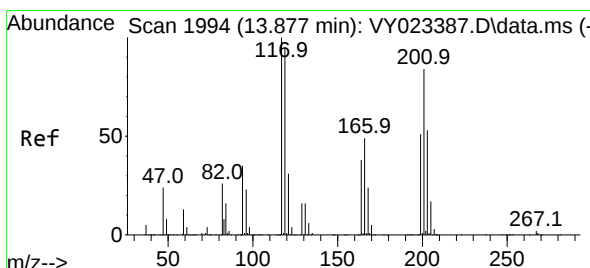
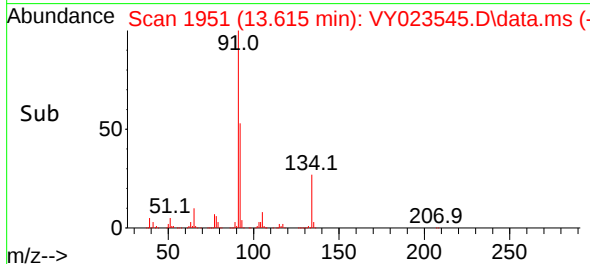
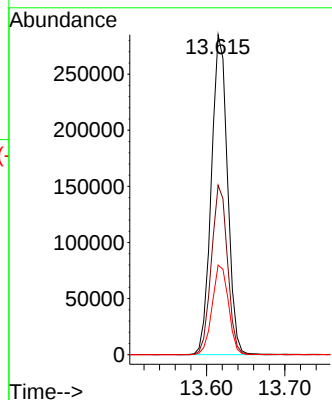
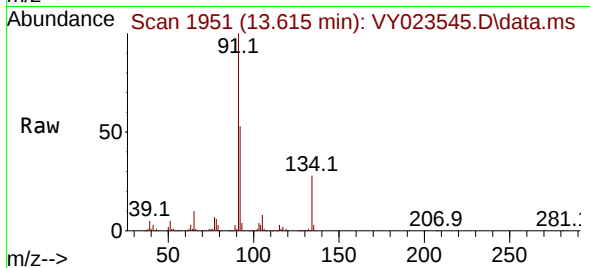
Tgt Ion: 91 Resp: 407439

Ion Ratio Lower Upper

91 100

92 52.8 27.0 80.8

134 28.3 14.1 42.2



#90

Hexachloroethane

Concen: 21.199 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VY023545.D

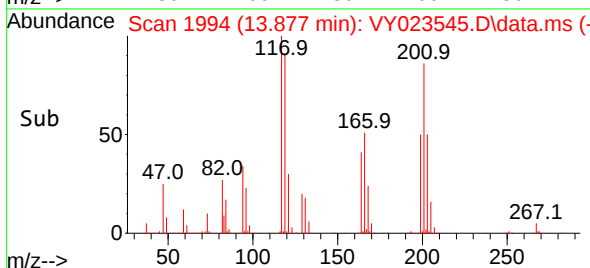
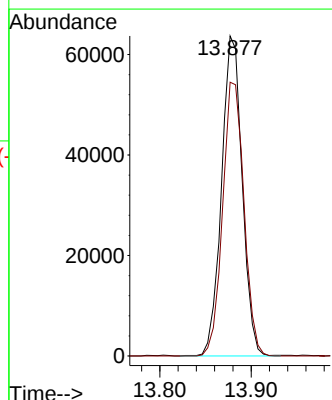
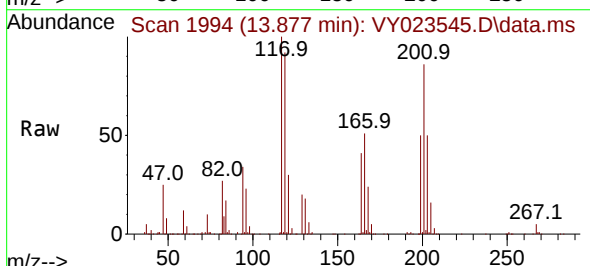
Acq: 22 Oct 2025 10:28

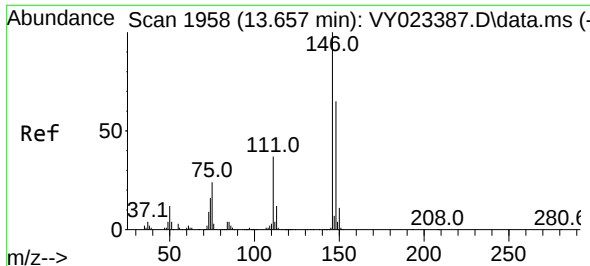
Tgt Ion: 117 Resp: 100017

Ion Ratio Lower Upper

117 100

201 88.2 43.8 131.4

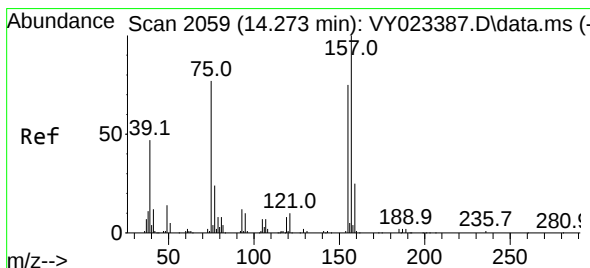
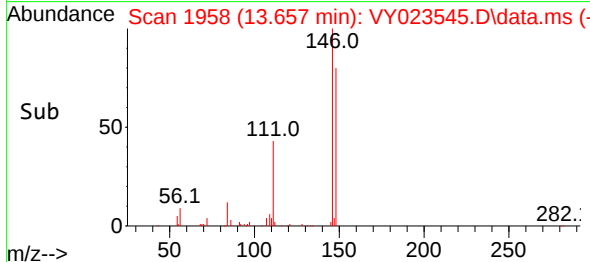
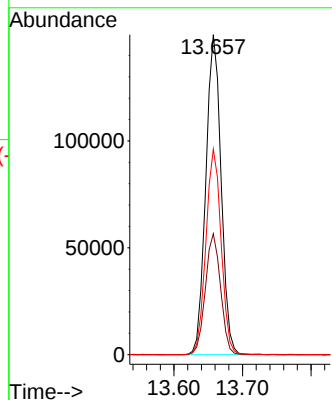
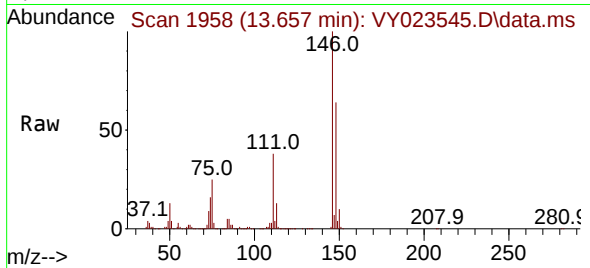




#91  
1,2-Dichlorobenzene  
Concen: 21.264 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

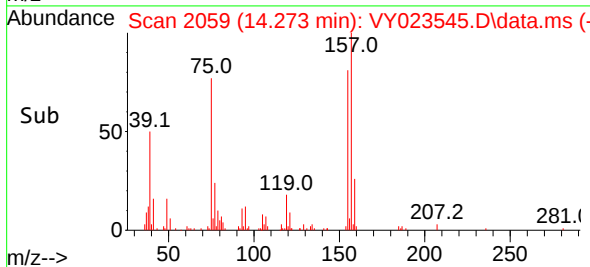
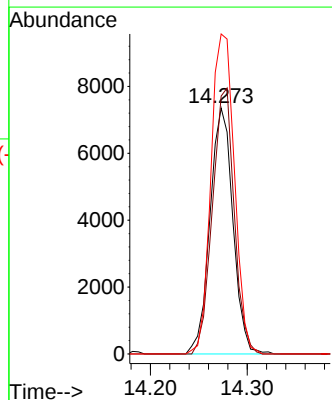
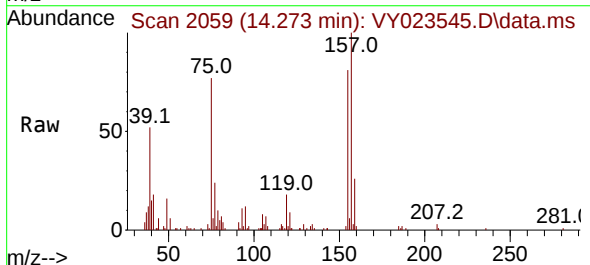
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1022SBS01

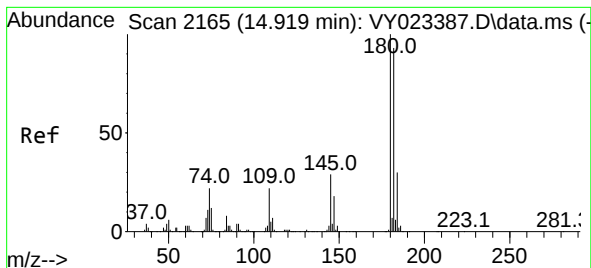
Tgt Ion:146 Resp: 232327  
Ion Ratio Lower Upper  
146 100  
111 37.7 19.0 57.0  
148 64.1 32.1 96.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.756 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. -0.000 min  
Lab File: VY023545.D  
Acq: 22 Oct 2025 10:28

Tgt Ion: 75 Resp: 12117  
Ion Ratio Lower Upper  
75 100  
155 102.3 50.0 150.0  
157 132.5 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 20.394 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

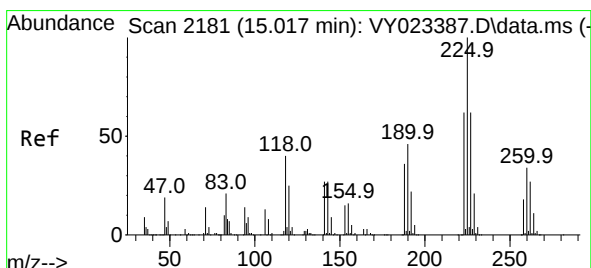
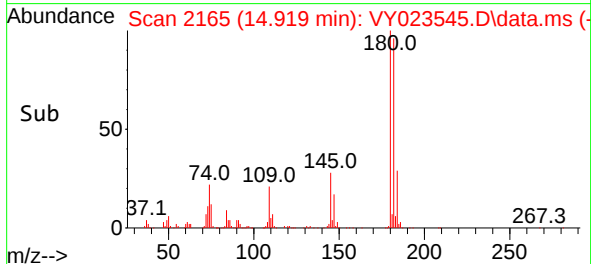
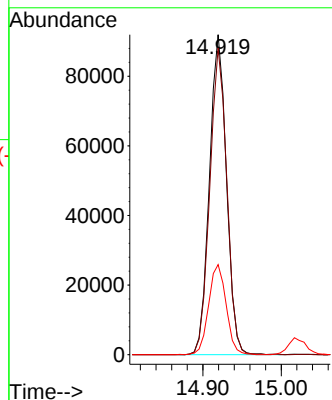
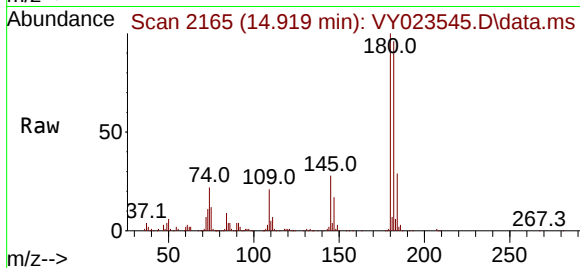
Tgt Ion:180 Resp: 138915

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.6

145 28.9 14.7 44.1



#94

Hexachlorobutadiene

Concen: 20.897 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

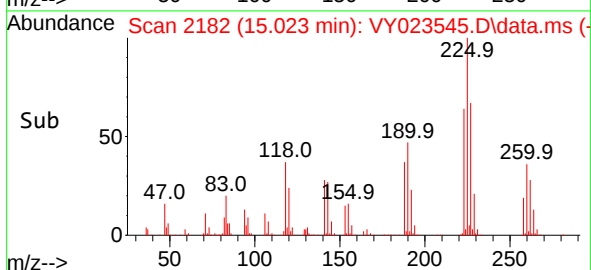
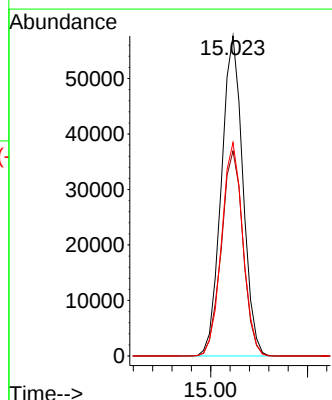
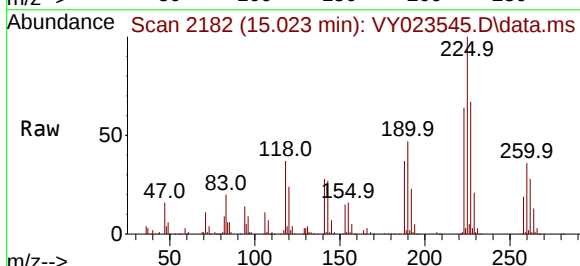
Tgt Ion:225 Resp: 88730

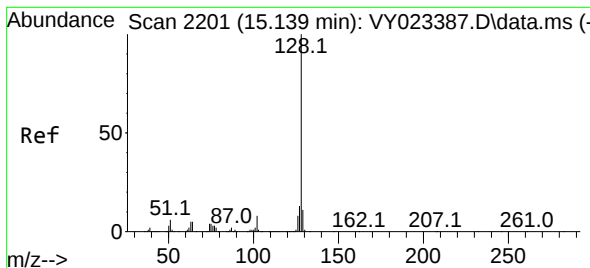
Ion Ratio Lower Upper

225 100

223 64.5 30.8 92.3

227 66.0 31.9 95.7





#95

Naphthalene

Concen: 18.822 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY1022SBS01

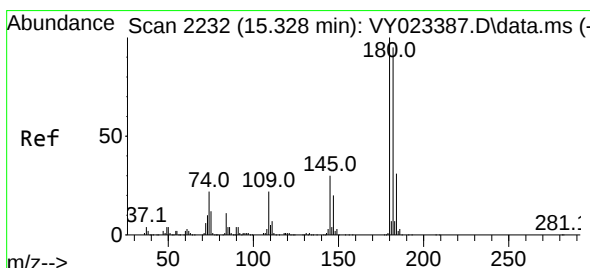
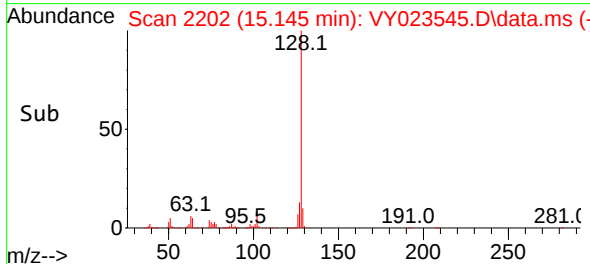
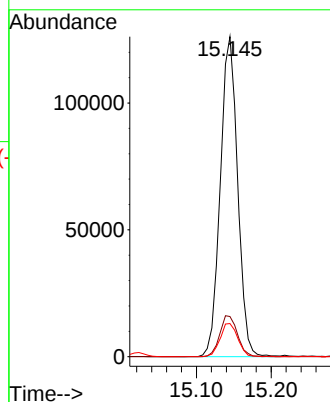
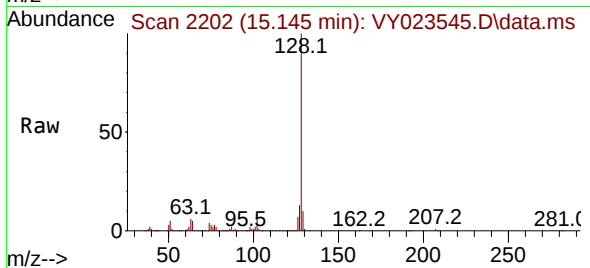
Tgt Ion:128 Resp: 204152

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.6 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 19.751 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023545.D

Acq: 22 Oct 2025 10:28

Tgt Ion:180 Resp: 116532

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.8

145 30.1 15.3 45.9

