

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013025\  
 Data File : VY020978.D  
 Acq On : 30 Jan 2025 10:44  
 Operator : SY/MD  
 Sample : VSTDIC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 31 02:03:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y013025S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 31 01:50:40 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 231620   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 331494   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 286621   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152  | 139150   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 283583   | 143.802  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 287.600%# |      |
| 35) Dibromofluoromethane    | 7.640  | 113   | 302643   | 151.862  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 303.720%# |      |
| 50) Toluene-d8              | 10.109 | 98    | 1165607  | 149.852  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 299.700%# |      |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 394456   | 151.130  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 302.260%# |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 305027  | 154.879 | ug/l   | 99  |
| 3) Chloromethane             | 2.074 | 50  | 181355  | 144.840 | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.208 | 62  | 189980  | 147.156 | ug/l   | 97  |
| 5) Bromomethane              | 2.592 | 94  | 123533  | 141.348 | ug/l   | 100 |
| 6) Chloroethane              | 2.739 | 64  | 110116  | 146.013 | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.062 | 101 | 468702  | 150.441 | ug/l   | 97  |
| 8) Diethyl Ether             | 3.458 | 74  | 145786  | 156.741 | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 312695  | 149.051 | ug/l   | 100 |
| 10) Methyl Iodide            | 4.013 | 142 | 388325  | 161.756 | ug/l   | 99  |
| 11) Tert butyl alcohol       | 4.872 | 59  | 83810   | 581.794 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 297141  | 151.560 | ug/l   | 98  |
| 13) Acrolein                 | 3.653 | 56  | 122063  | 735.820 | ug/l   | 100 |
| 14) Allyl chloride           | 4.391 | 41  | 406696  | 150.681 | ug/l   | 100 |
| 15) Acrylonitrile            | 5.067 | 53  | 279729  | 731.162 | ug/l   | 99  |
| 16) Acetone                  | 3.879 | 43  | 185872  | 691.537 | ug/l   | 97  |
| 17) Carbon Disulfide         | 4.110 | 76  | 912202  | 151.069 | ug/l   | 99  |
| 18) Methyl Acetate           | 4.391 | 43  | 134836  | 143.365 | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.122 | 73  | 702690  | 153.988 | ug/l   | 99  |
| 20) Methylene Chloride       | 4.622 | 84  | 285487  | 144.013 | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene | 5.122 | 96  | 316072  | 150.368 | ug/l   | 99  |
| 22) Diisopropyl ether        | 6.025 | 45  | 793151  | 144.165 | ug/l   | 97  |
| 23) Vinyl Acetate            | 5.964 | 43  | 2246848 | 737.453 | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 5.921 | 63  | 525611  | 148.089 | ug/l   | 99  |
| 25) 2-Butanone               | 6.896 | 43  | 321487  | 705.059 | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 6.890 | 77  | 503306  | 144.027 | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 6.896 | 96  | 366547  | 151.712 | ug/l   | 98  |
| 28) Bromochloromethane       | 7.250 | 49  | 193122  | 146.043 | ug/l   | 96  |
| 29) Tetrahydrofuran          | 7.268 | 42  | 219521  | 715.451 | ug/l   | 97  |
| 30) Chloroform               | 7.427 | 83  | 563125  | 146.485 | ug/l   | 99  |
| 31) Cyclohexane              | 7.707 | 56  | 475478  | 137.054 | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 7.622 | 97  | 560899  | 150.761 | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.841 | 75  | 425231  | 149.569 | ug/l   | 99  |
| 37) Ethyl Acetate            | 6.988 | 43  | 154391  | 145.661 | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 7.823 | 117 | 539139  | 153.239 | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.115 | 83  | 595050  | 155.801 | ug/l   | 99  |
| 40) Benzene                  | 8.085 | 78  | 1247617 | 149.138 | ug/l   | 99  |

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 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 31 02:03:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y013025S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 31 01:50:40 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 98349    | 167.701  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.164  | 62   | 319053   | 150.385  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 323561   | 152.803  | ug/l # | 84       |
| 44) Trichloroethene           | 8.866  | 130  | 347665   | 150.613  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 275562   | 146.965  | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 160731   | 147.303  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.426  | 83   | 435487   | 151.975  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.225  | 41   | 153018   | 151.782  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 35936    | 3099.347 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 788500   | 724.683  | ug/l   | 98       |
| 52) Toluene                   | 10.176 | 92   | 823001   | 151.562  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 407713   | 157.230  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 474391   | 153.068  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 215393   | 148.433  | ug/l   | 100      |
| 56) Ethyl methacrylate        | 10.438 | 69   | 310033   | 163.451  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 365597   | 148.645  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 648608   | 805.655  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.762 | 43   | 535470   | 757.129  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.914 | 129  | 318711   | 154.040  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 209421   | 151.095  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.652 | 164  | 324348   | 150.017  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.444 | 112  | 907348   | 150.254  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 323170   | 150.786  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.524 | 91   | 1599733  | 153.001  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.633 | 106  | 1218351  | 303.287  | ug/l   | 99       |
| 69) o-Xylene                  | 11.956 | 106  | 577315   | 154.592  | ug/l   | 99       |
| 70) Styrene                   | 11.975 | 104  | 952717   | 153.660  | ug/l   | 99       |
| 71) Bromoform                 | 12.139 | 173  | 188896   | 149.544  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.261 | 105  | 1528234  | 156.376  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 285905   | 160.660  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83   | 228699   | 144.974  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 304783   | 270.608  | ug/l # | 100      |
| 77) Bromobenzene              | 12.536 | 156  | 363042   | 156.685  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.597 | 91   | 1768923  | 154.442  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 1007710  | 154.422  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.743 | 105  | 1241344  | 155.041  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 83944    | 158.189  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 1019004  | 152.573  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 1169146  | 157.444  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.048 | 105  | 1222539  | 156.313  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.182 | 105  | 1605463  | 152.710  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.298 | 119  | 1387704  | 157.070  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 685812   | 151.802  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 679536   | 151.472  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 1245607  | 157.403  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.883 | 117  | 280233   | 156.784  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.663 | 146  | 601761   | 152.742  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 38632    | 159.066  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 14.925 | 180  | 433346   | 179.645  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 279340   | 167.199  | ug/l   | 100      |
| 95) Naphthalene               | 15.151 | 128  | 749936   | 148.257  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 374094   | 150.625  | ug/l   | 100      |

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Sample : VSTDICC150  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Jan 31 02:03:21 2025  
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Quant Title : SW846 8260  
QLast Update : Fri Jan 31 01:50:40 2025  
Response via : Initial Calibration

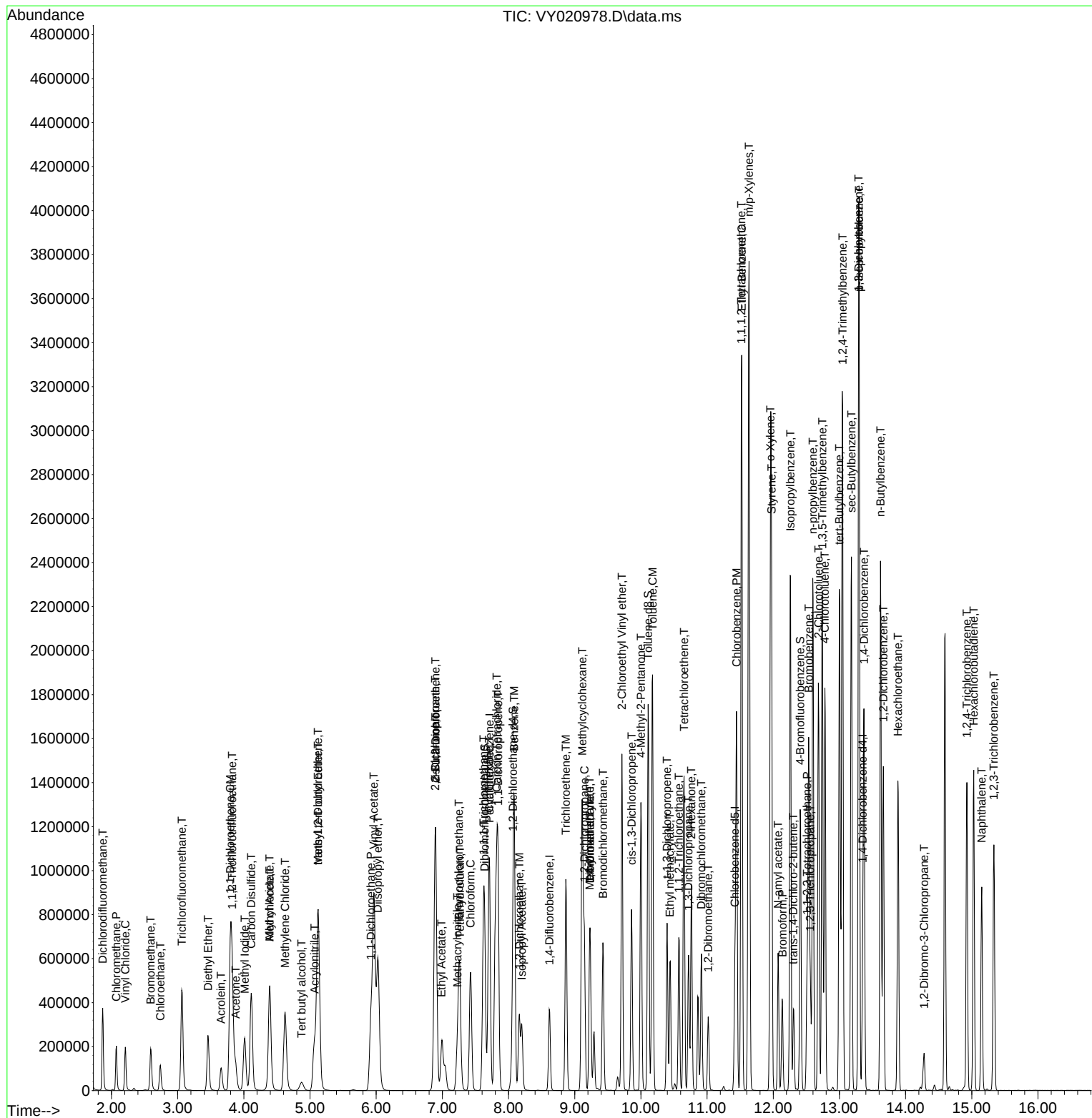
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

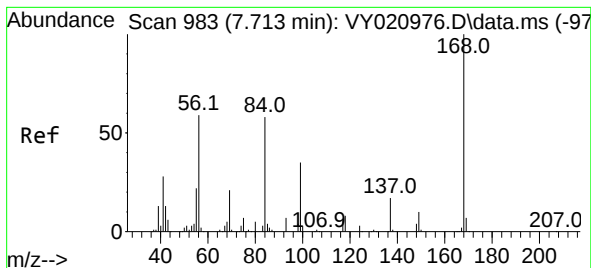
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 Sample : VSTDIC150  
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

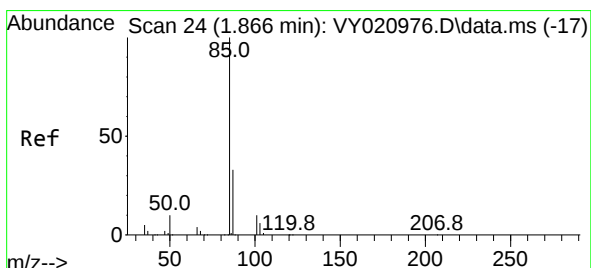
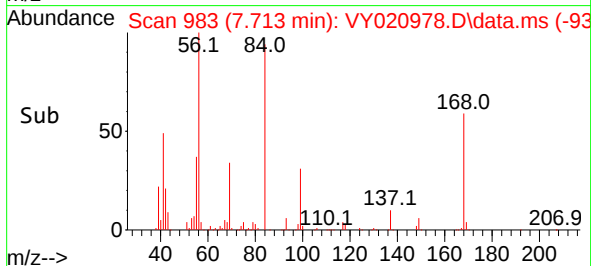
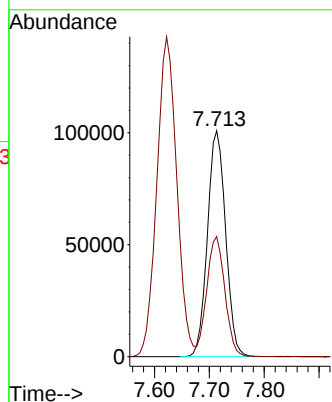
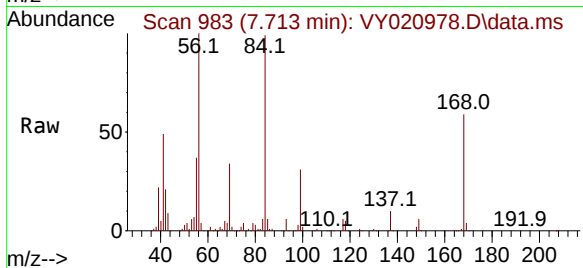
ClientSampleId :

Tgt Ion:168 Resp: 231620

Ion Ratio Lower Upper

168 100

99 53.0 42.2 63.2



#2

Dichlorodifluoromethane

Concen: 154.879 ug/l

RT: 1.867 min Scan# 24

Delta R.T. 0.000 min

Lab File: VY020978.D

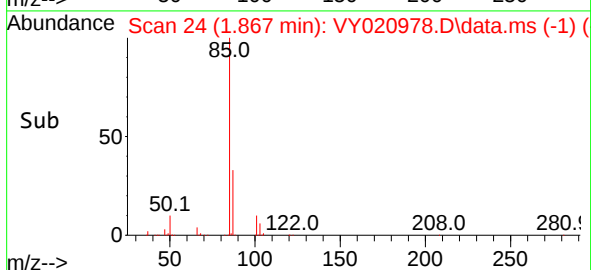
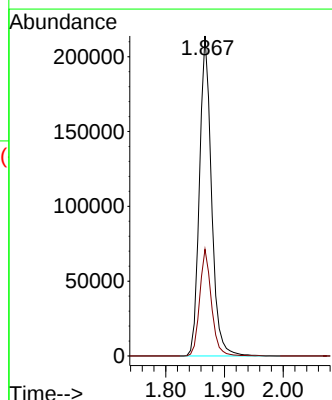
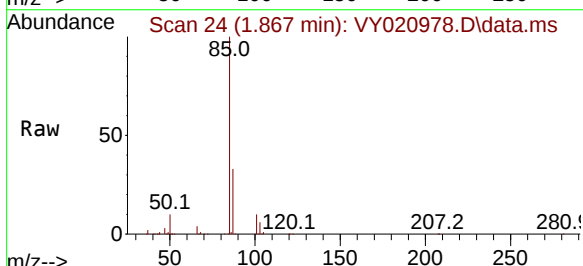
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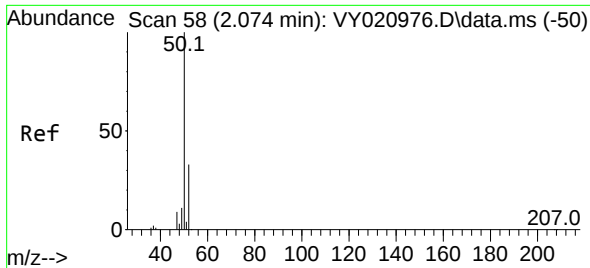
Tgt Ion: 85 Resp: 305027

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.9

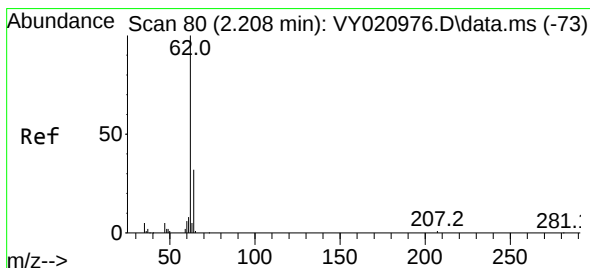
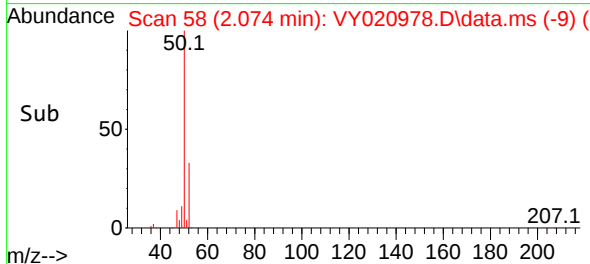
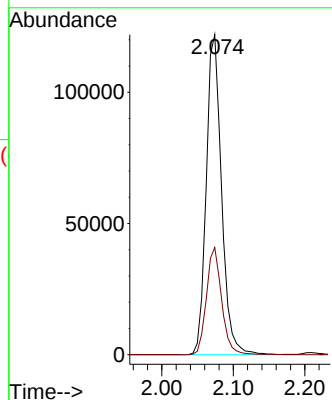
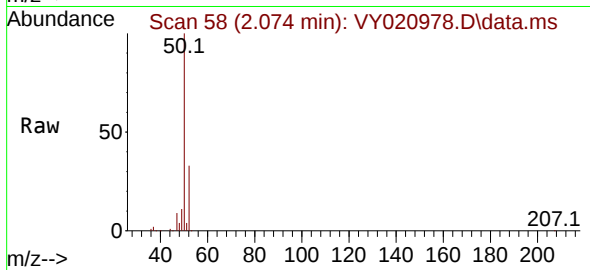




#3  
Chloromethane  
Concen: 144.840 ug/l  
RT: 2.074 min Scan# 58  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

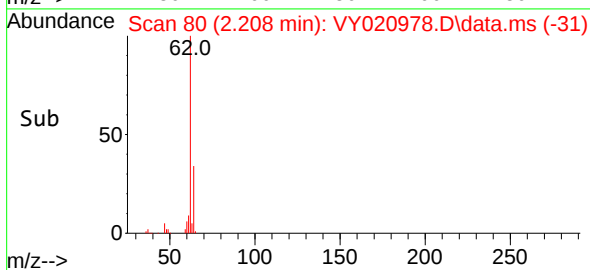
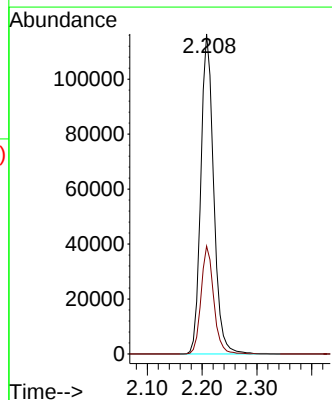
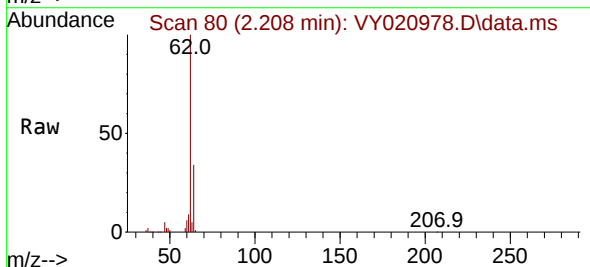
Instrument :  
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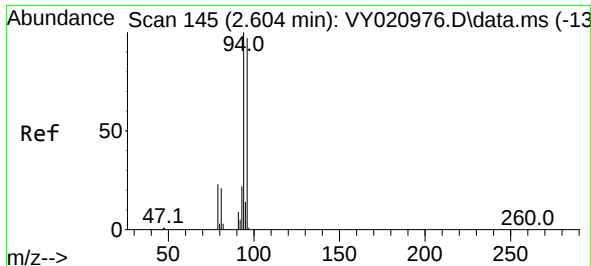
Tgt Ion: 50 Resp: 181355  
Ion Ratio Lower Upper  
50 100  
52 33.5 26.3 39.5



#4  
Vinyl Chloride  
Concen: 147.156 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 62 Resp: 189980  
Ion Ratio Lower Upper  
62 100  
64 33.7 25.4 38.2

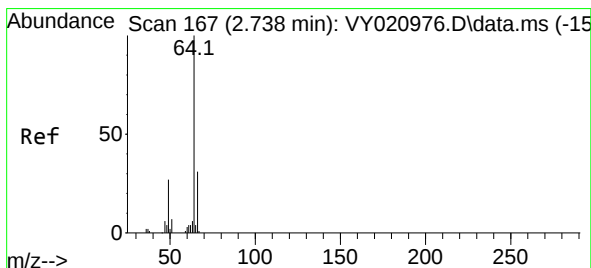
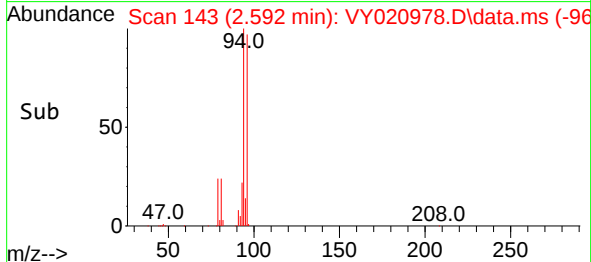
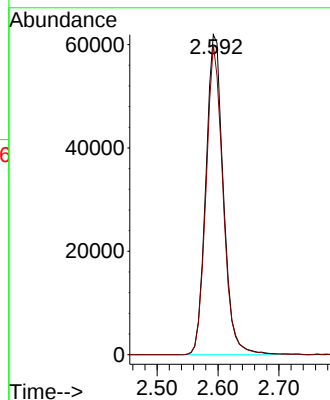
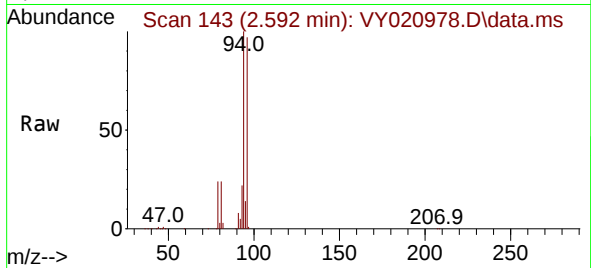




#5  
Bromomethane  
Concen: 141.348 ug/l  
RT: 2.592 min Scan# 145  
Delta R.T. -0.012 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

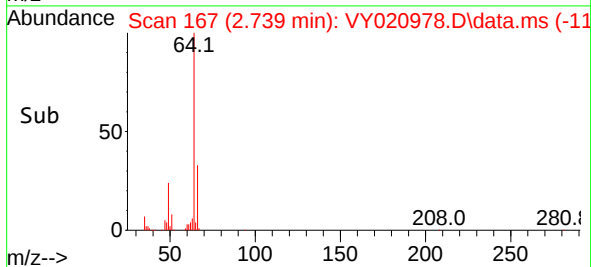
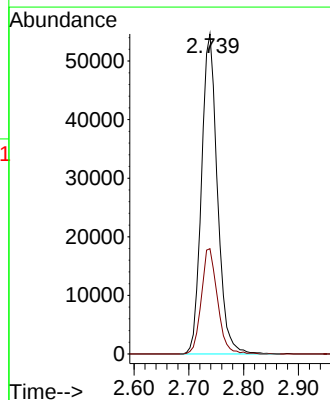
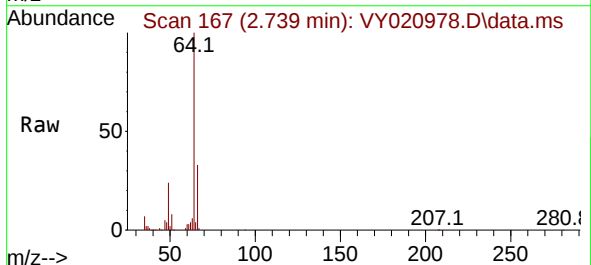
Instrument :  
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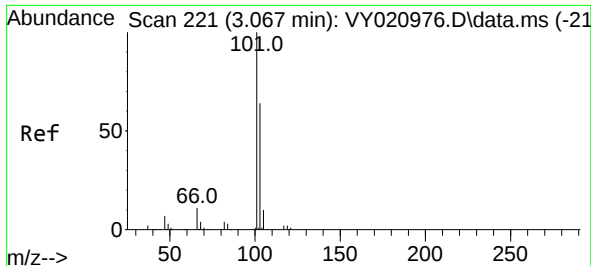
Tgt Ion: 94 Resp: 123533  
Ion Ratio Lower Upper  
94 100  
96 96.9 77.4 116.0



#6  
Chloroethane  
Concen: 146.013 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 64 Resp: 110116  
Ion Ratio Lower Upper  
64 100  
66 32.9 25.0 37.4

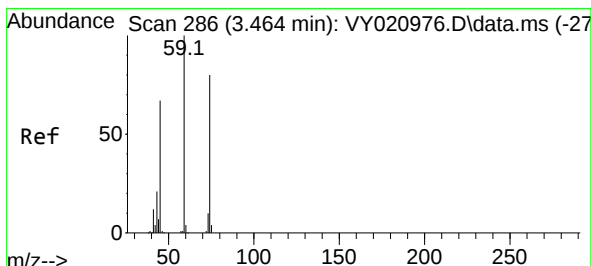
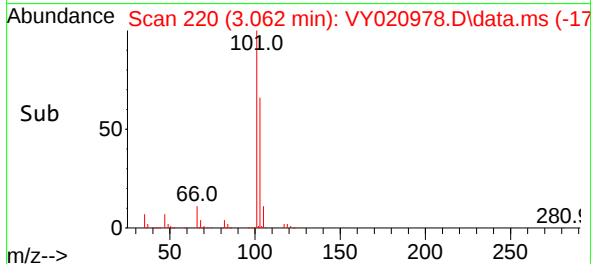
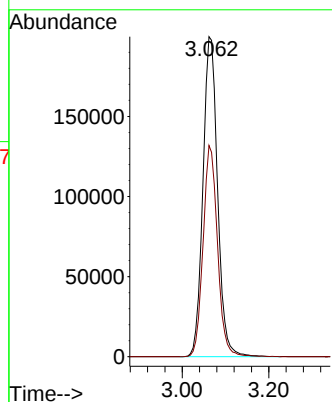
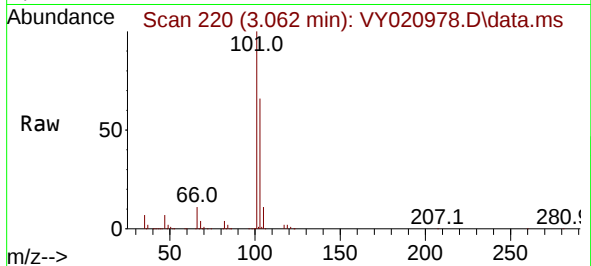




#7  
 Trichlorofluoromethane  
 Concen: 150.441 ug/l  
 RT: 3.062 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VY020978.D  
 Acq: 30 Jan 2025 10:44

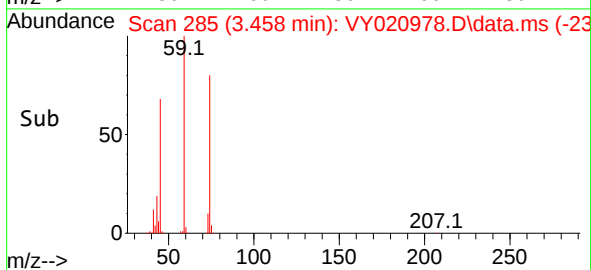
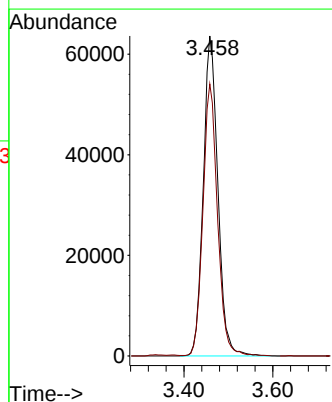
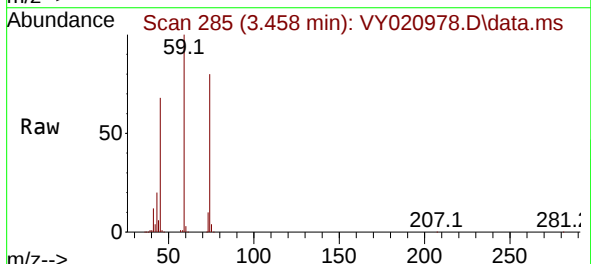
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

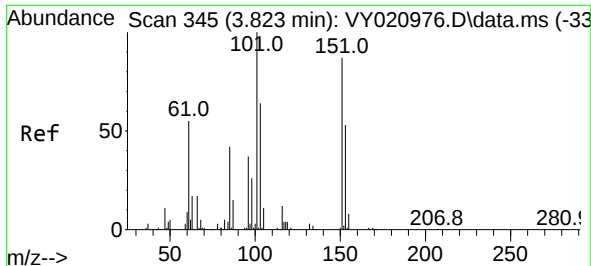
Tgt Ion:101 Resp: 468702  
 Ion Ratio Lower Upper  
 101 100  
 103 66.0 50.9 76.3



#8  
 Diethyl Ether  
 Concen: 156.741 ug/l  
 RT: 3.458 min Scan# 285  
 Delta R.T. -0.006 min  
 Lab File: VY020978.D  
 Acq: 30 Jan 2025 10:44

Tgt Ion: 74 Resp: 145786  
 Ion Ratio Lower Upper  
 74 100  
 45 85.2 43.4 130.2

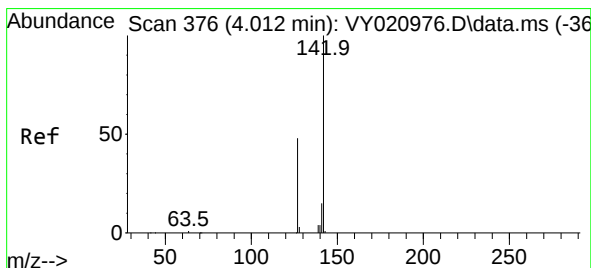
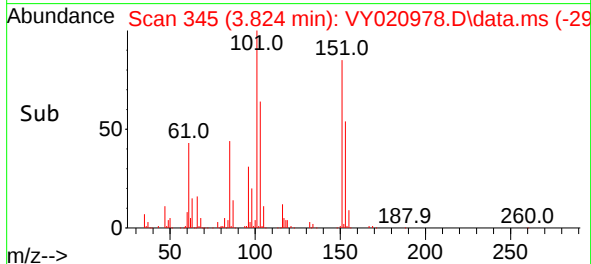
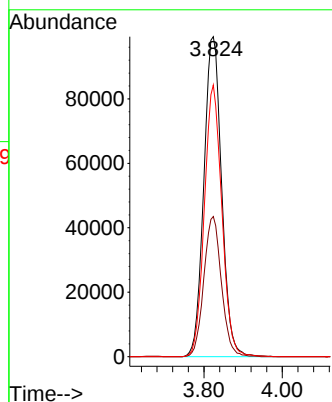
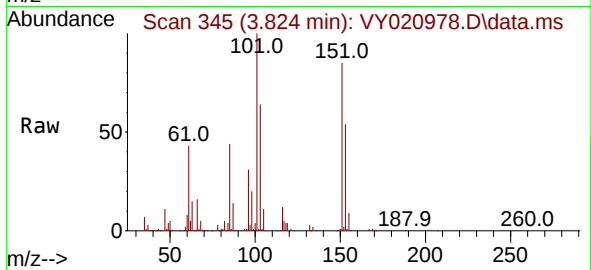




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 149.051 ug/l  
RT: 3.824 min Scan# 345  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

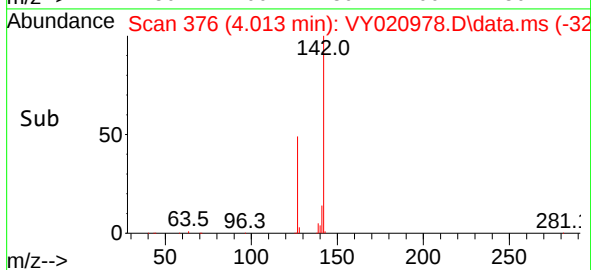
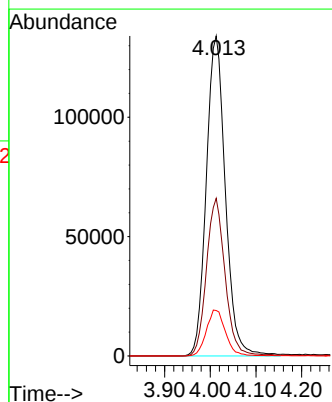
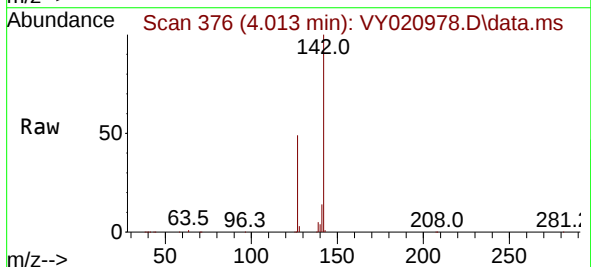
Instrument :  
MSVOA\_Y  
ClientSampleId :

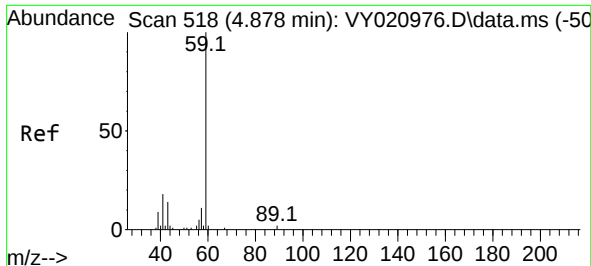
Tgt Ion:101 Resp: 312695  
Ion Ratio Lower Upper  
101 100  
85 43.4 34.9 52.3  
151 83.5 66.8 100.2



#10  
Methyl Iodide  
Concen: 161.756 ug/l  
RT: 4.013 min Scan# 376  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion:142 Resp: 388325  
Ion Ratio Lower Upper  
142 100  
127 48.1 38.9 58.3  
141 14.4 11.7 17.5

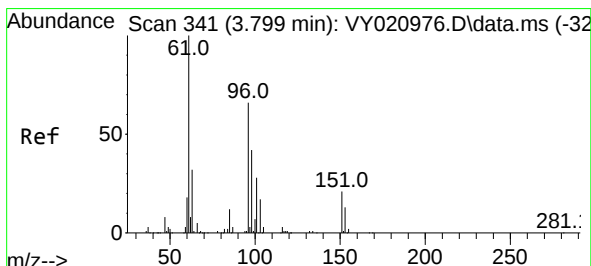
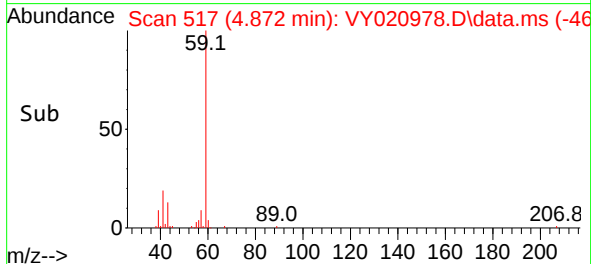
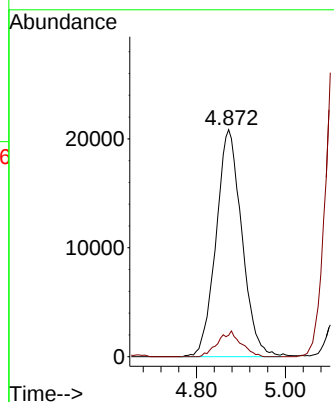
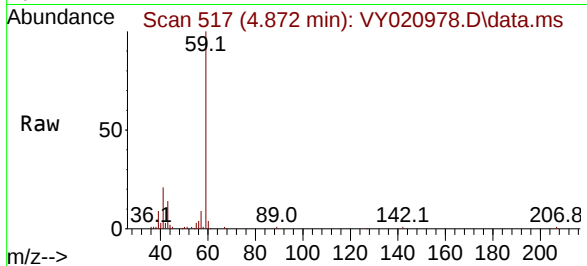




#11  
Tert butyl alcohol  
Concen: 581.794 ug/l  
RT: 4.872 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

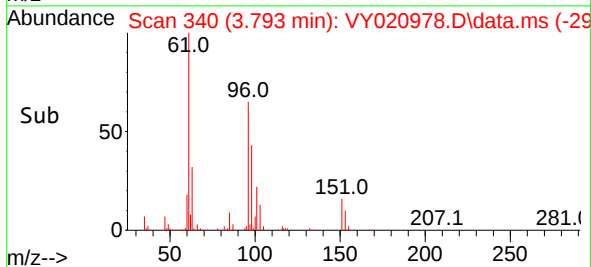
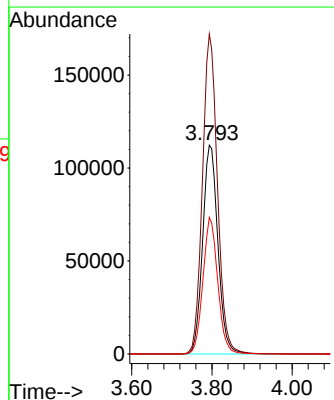
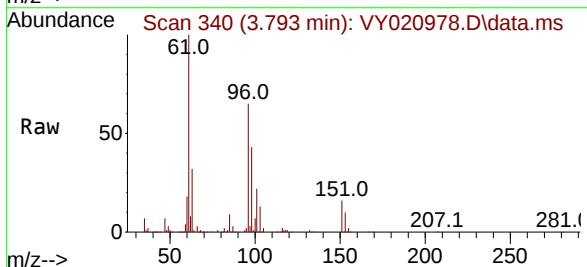
Instrument :  
MSVOA\_Y  
ClientSampleId :

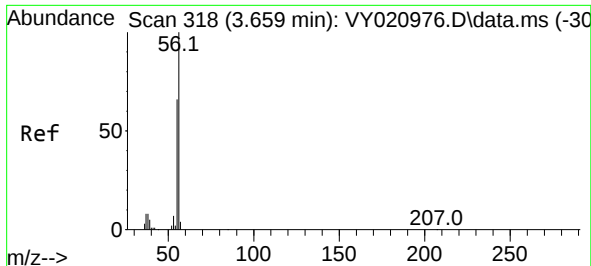
Tgt Ion: 59 Resp: 83810  
Ion Ratio Lower Upper  
59 100  
57 10.1 7.8 11.8



#12  
1,1-Dichloroethene  
Concen: 151.560 ug/l  
RT: 3.793 min Scan# 340  
Delta R.T. -0.006 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

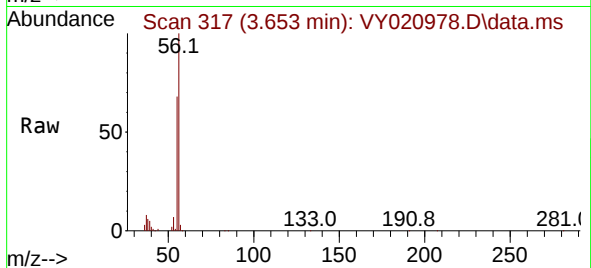
Tgt Ion: 96 Resp: 297141  
Ion Ratio Lower Upper  
96 100  
61 153.2 120.8 181.2  
98 65.3 50.6 76.0



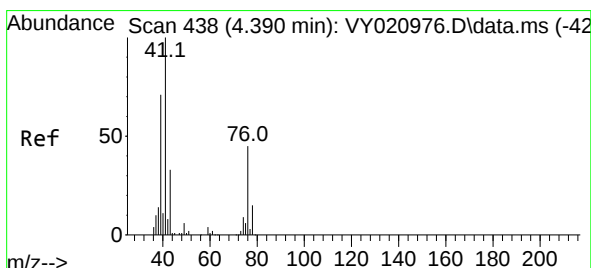
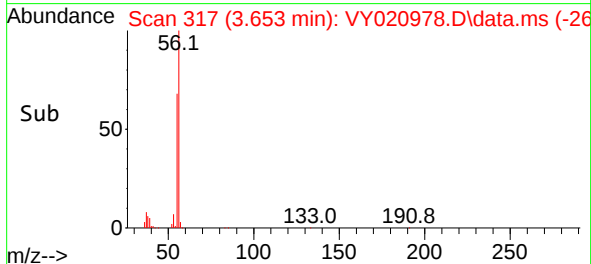
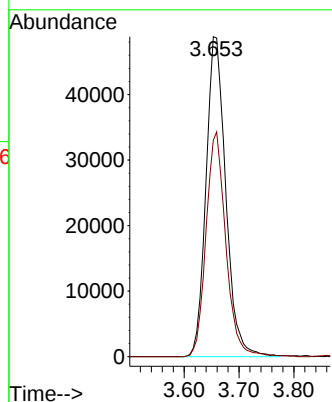


#13  
Acrolein  
Concen: 735.820 ug/l  
RT: 3.653 min Scan# 318  
Delta R.T. -0.006 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Instrument :  
MSVOA\_Y  
ClientSampleId :

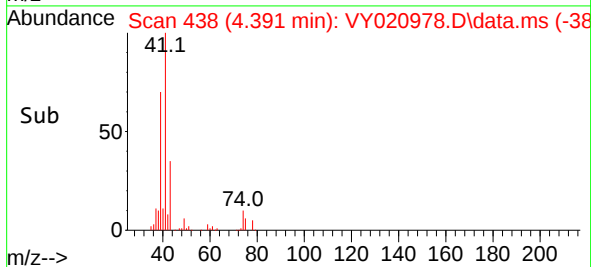
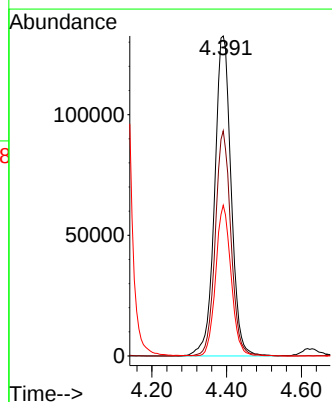
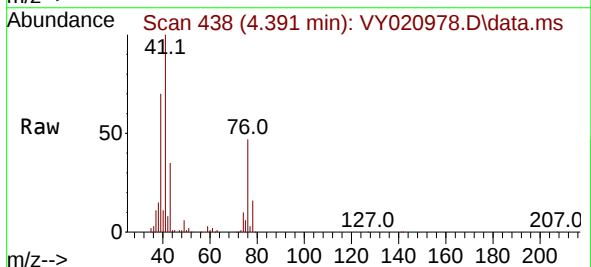


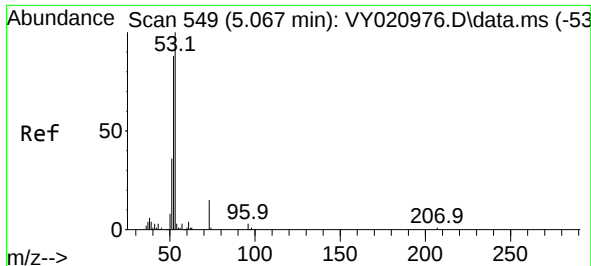
Tgt Ion: 56 Resp: 122063  
Ion Ratio Lower Upper  
56 100  
55 70.3 56.1 84.1



#14  
Allyl chloride  
Concen: 150.681 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

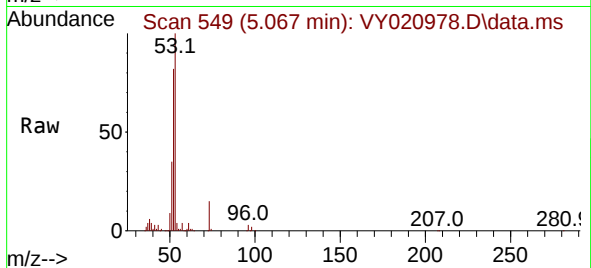
Tgt Ion: 41 Resp: 406696  
Ion Ratio Lower Upper  
41 100  
39 66.9 53.5 80.3  
76 43.7 34.6 52.0



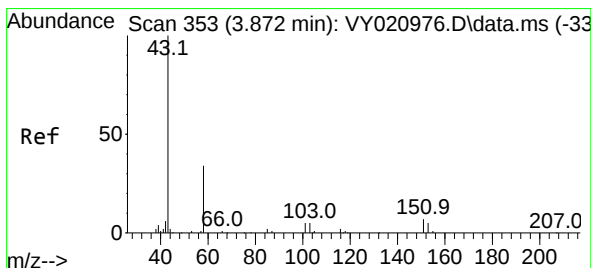
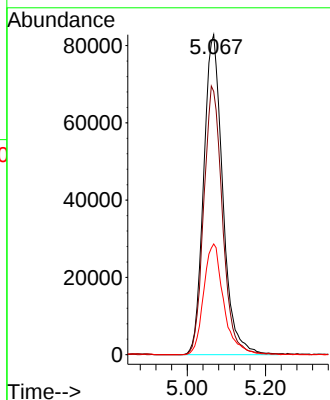
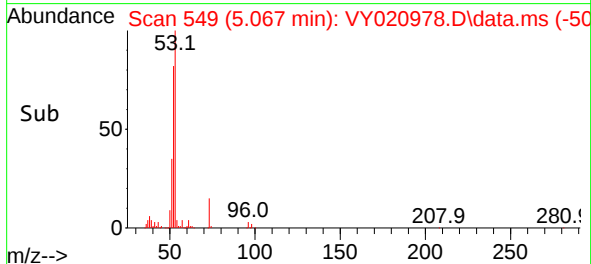


#15  
Acrylonitrile  
Concen: 731.162 ug/l  
RT: 5.067 min Scan# 549  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Instrument :  
MSVOA\_Y  
ClientSampleId :

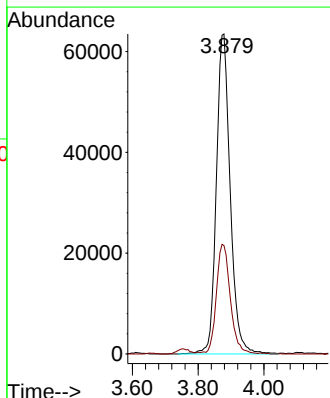
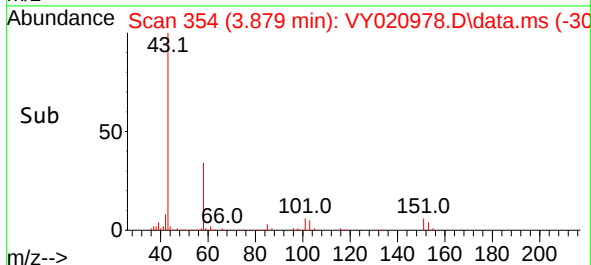
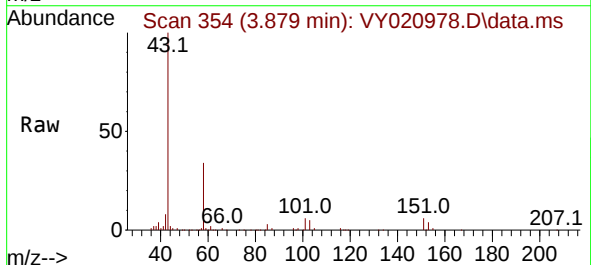


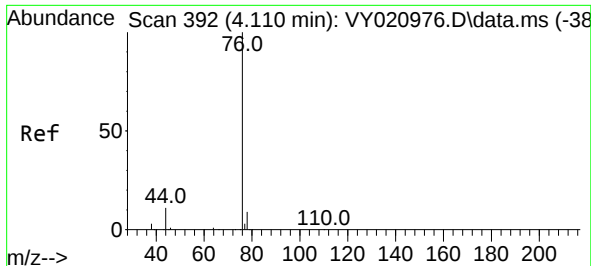
Tgt Ion: 53 Resp: 279729  
Ion Ratio Lower Upper  
53 100  
52 82.3 66.2 99.4  
51 36.4 29.4 44.0



#16  
Acetone  
Concen: 691.537 ug/l  
RT: 3.879 min Scan# 354  
Delta R.T. 0.006 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 43 Resp: 185872  
Ion Ratio Lower Upper  
43 100  
58 33.9 28.4 42.6

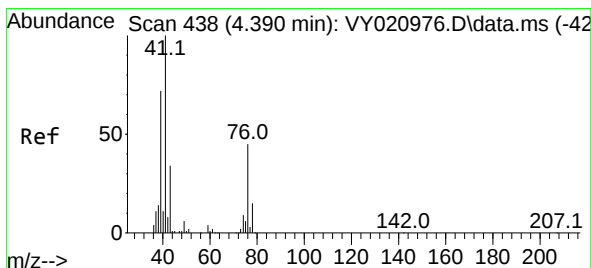
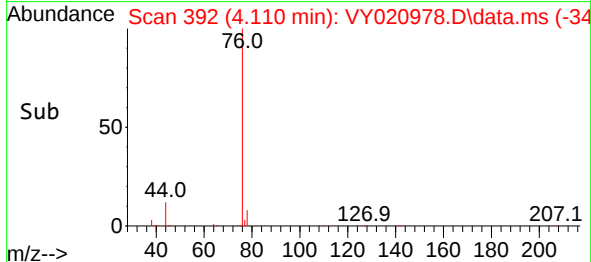
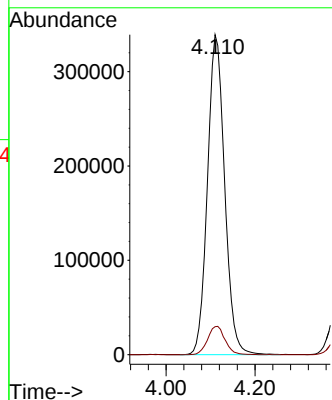
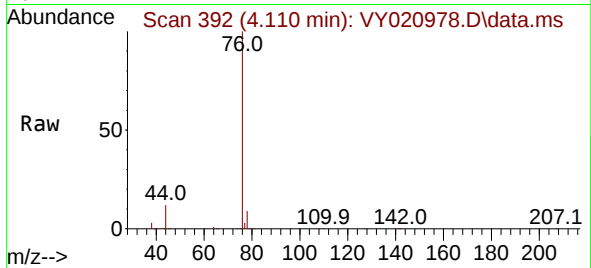




#17  
Carbon Disulfide  
Concen: 151.069 ug/l  
RT: 4.110 min Scan# 392  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

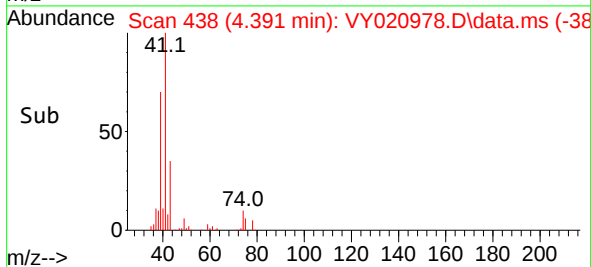
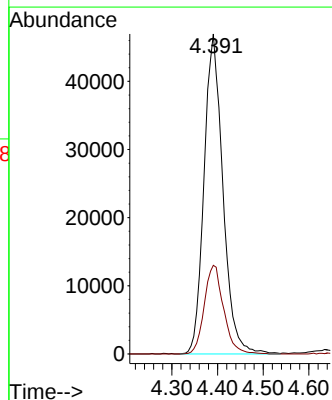
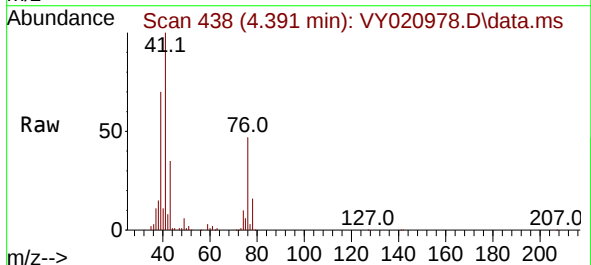
Instrument :  
MSVOA\_Y  
ClientSampleId :

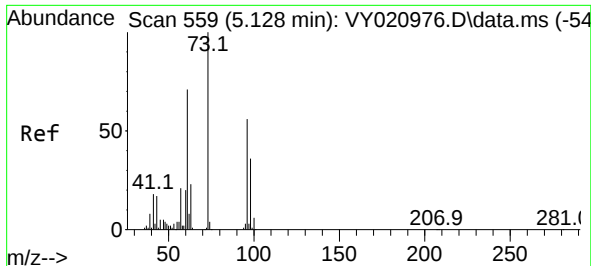
Tgt Ion: 76 Resp: 912202  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.3 10.9



#18  
Methyl Acetate  
Concen: 143.365 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 43 Resp: 134836  
Ion Ratio Lower Upper  
43 100  
74 28.3 22.2 33.4





#19

Methyl tert-butyl Ether

Concen: 153.988 ug/l

RT: 5.122 min Scan# 51

Delta R.T. -0.006 min

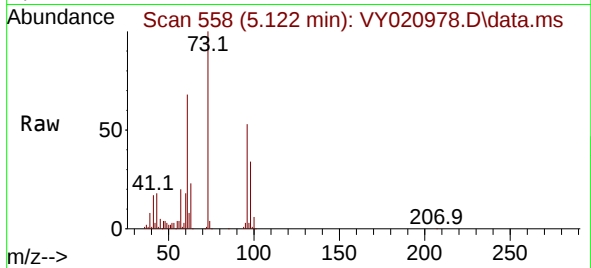
Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

ClientSampleId :

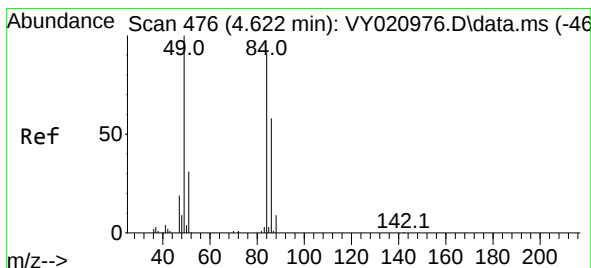
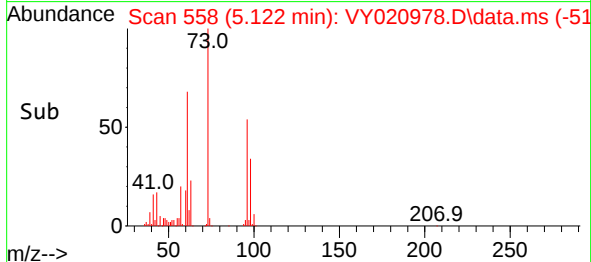
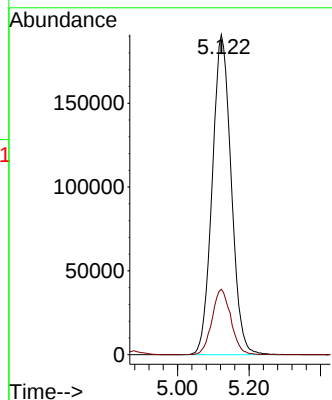


Tgt Ion: 73 Resp: 702690

Ion Ratio Lower Upper

73 100

57 20.4 16.6 25.0



#20

Methylene Chloride

Concen: 144.013 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Tgt Ion: 84 Resp: 285487

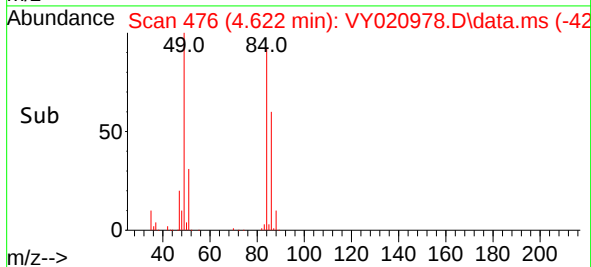
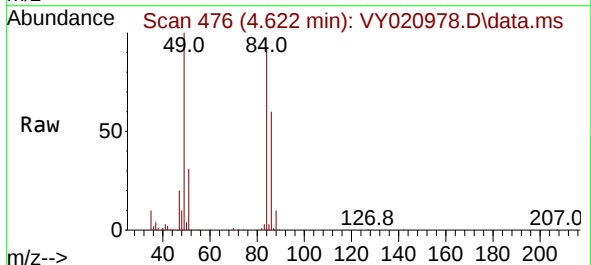
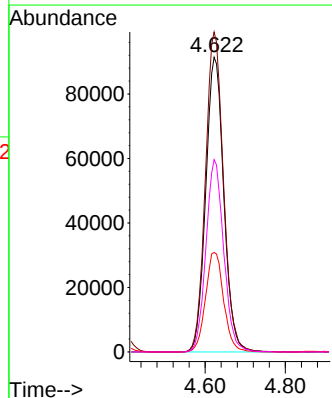
Ion Ratio Lower Upper

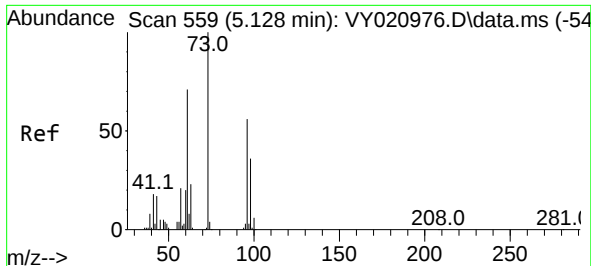
84 100

49 108.6 88.3 132.5

51 33.8 27.7 41.5

86 65.3 51.6 77.4

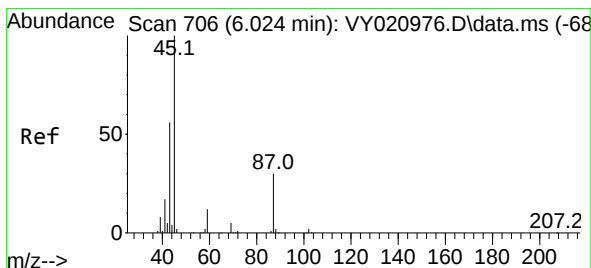
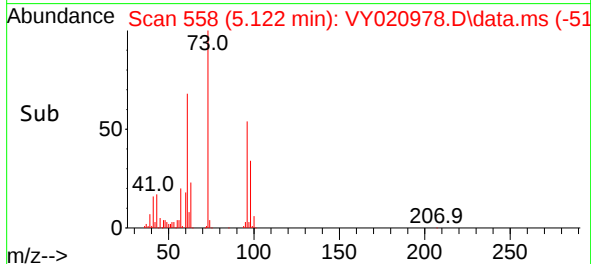
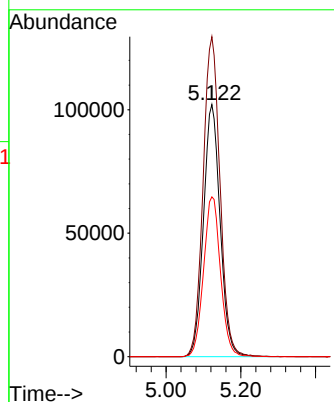
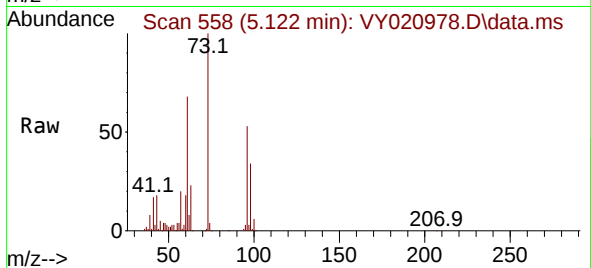




#21  
trans-1,2-Dichloroethene  
Concen: 150.368 ug/l  
RT: 5.122 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

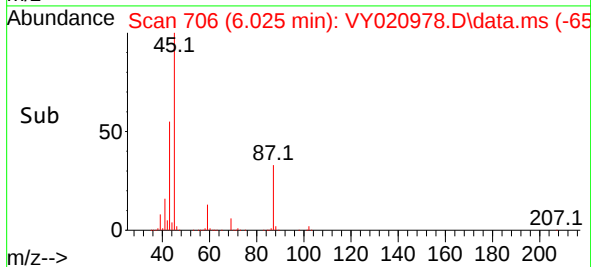
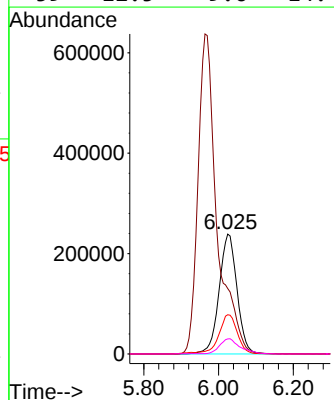
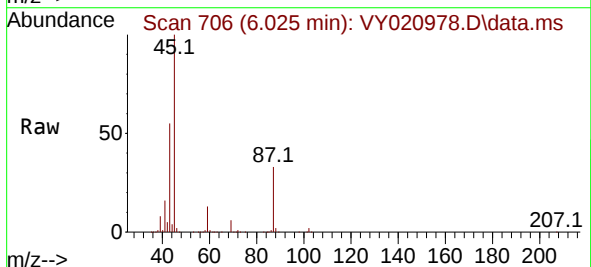
Instrument :  
MSVOA\_Y  
ClientSampleId :

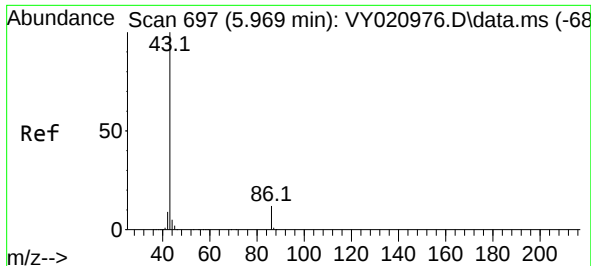
Tgt Ion: 96 Resp: 316072  
Ion Ratio Lower Upper  
96 100  
61 126.9 101.5 152.3  
98 63.4 52.0 78.0



#22  
Diisopropyl ether  
Concen: 144.165 ug/l  
RT: 6.025 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 45 Resp: 793151  
Ion Ratio Lower Upper  
45 100  
43 54.4 45.1 67.7  
87 32.8 25.0 37.4  
59 12.5 9.6 14.4

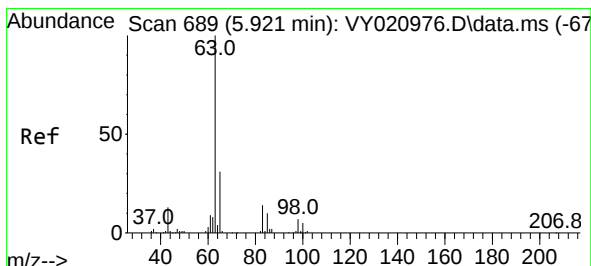
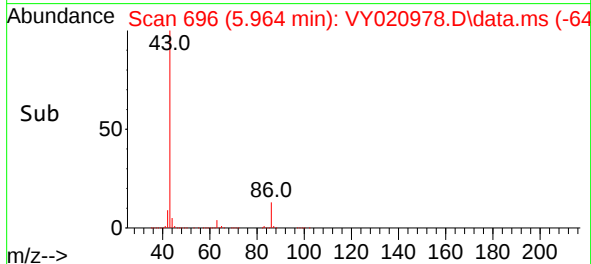
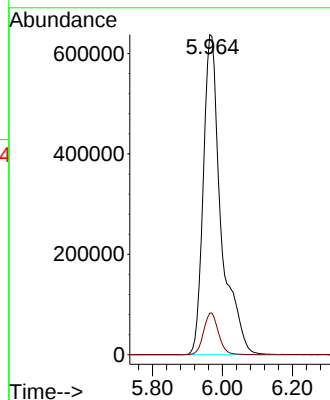
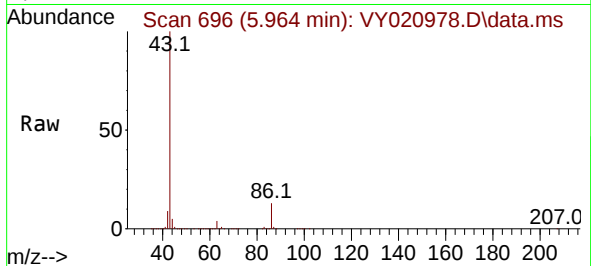




#23  
 Vinyl Acetate  
 Concen: 737.453 ug/l  
 RT: 5.964 min Scan# 697  
 Delta R.T. -0.006 min  
 Lab File: VY020978.D  
 Acq: 30 Jan 2025 10:44

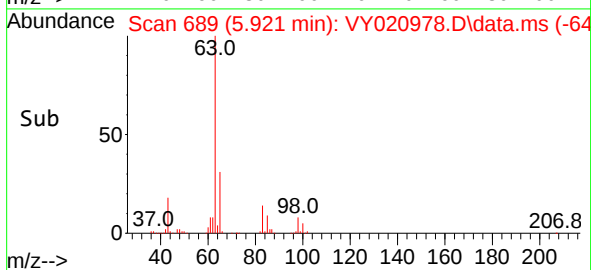
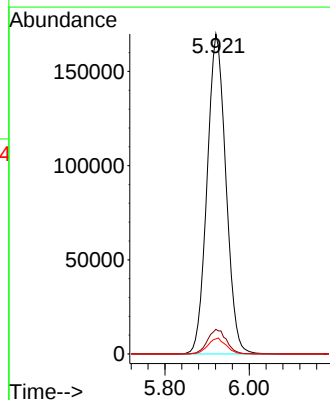
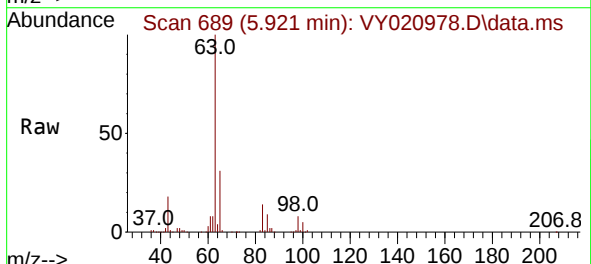
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

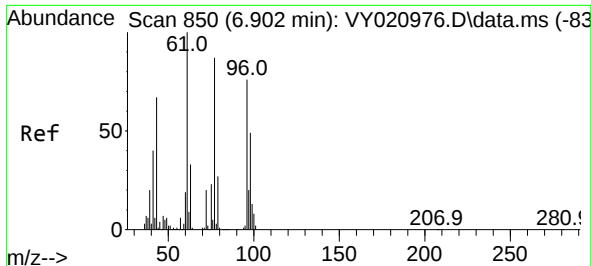
Tgt Ion: 43 Resp: 2246848  
 Ion Ratio Lower Upper  
 43 100  
 86 13.0 9.7 14.5



#24  
 1,1-Dichloroethane  
 Concen: 148.089 ug/l  
 RT: 5.921 min Scan# 689  
 Delta R.T. 0.000 min  
 Lab File: VY020978.D  
 Acq: 30 Jan 2025 10:44

Tgt Ion: 63 Resp: 525611  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 3.7 11.1  
 100 4.7 2.4 7.2





#25

2-Butanone

Concen: 705.059 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

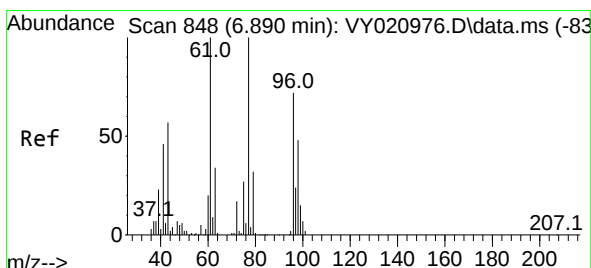
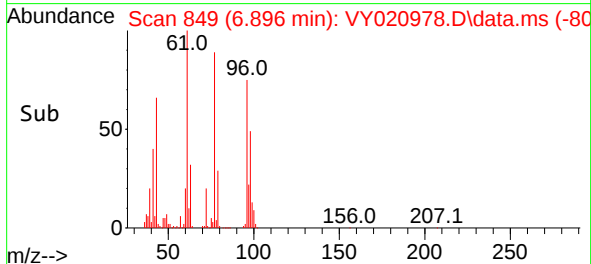
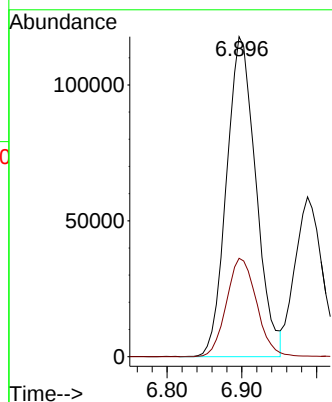
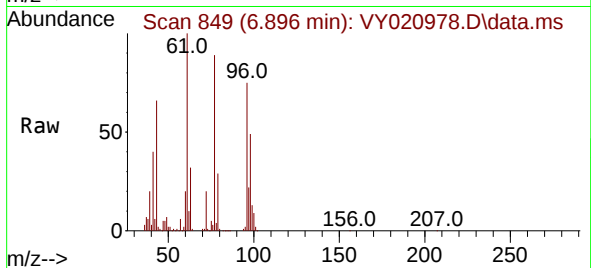
ClientSampleId :

Tgt Ion: 43 Resp: 321487

Ion Ratio Lower Upper

43 100

72 30.8 24.3 36.5



#26

2,2-Dichloropropane

Concen: 144.027 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY020978.D

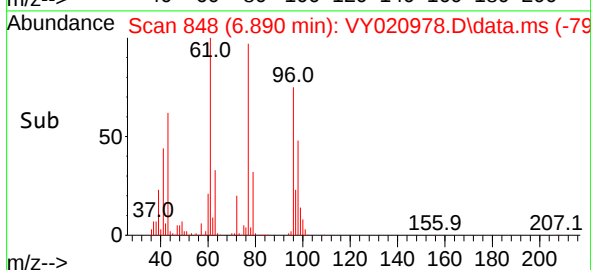
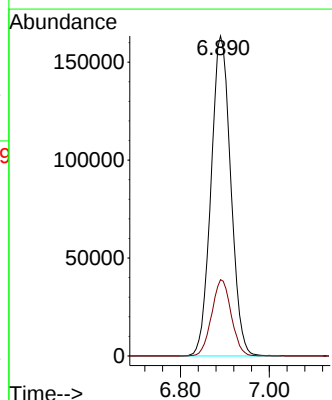
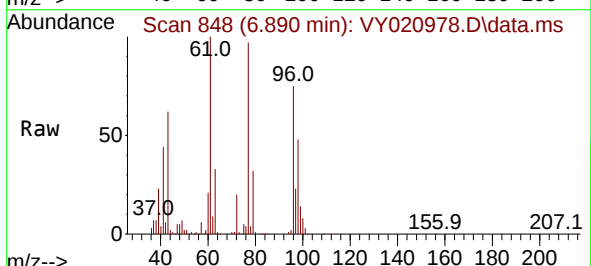
Acq: 30 Jan 2025 10:44

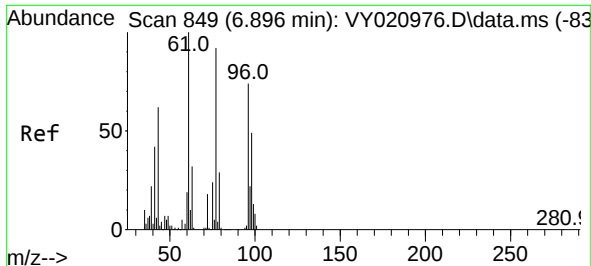
Tgt Ion: 77 Resp: 503306

Ion Ratio Lower Upper

77 100

97 23.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 151.712 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

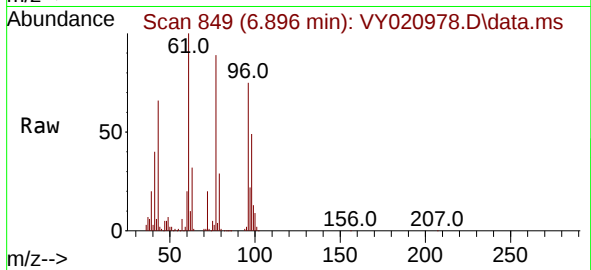
Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

ClientSampleId :



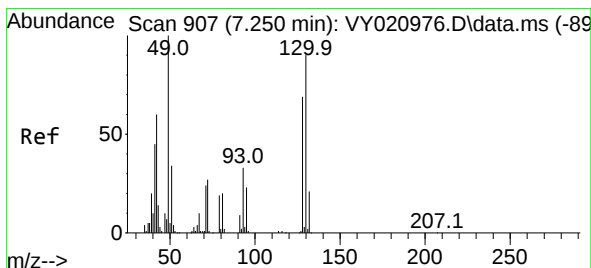
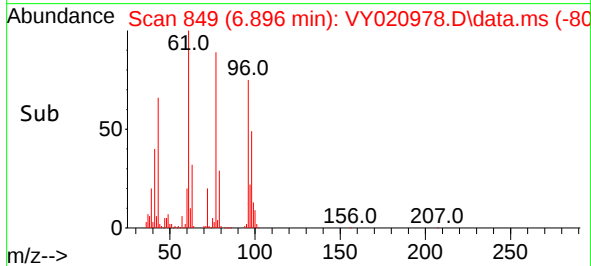
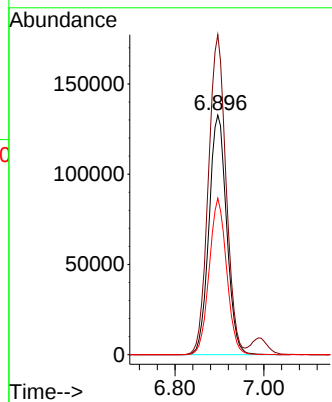
Tgt Ion: 96 Resp: 366547

Ion Ratio Lower Upper

96 100

61 134.0 0.0 274.0

98 64.4 0.0 130.4



#28

Bromochloromethane

Concen: 146.043 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

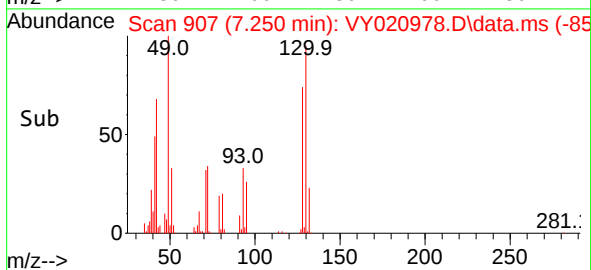
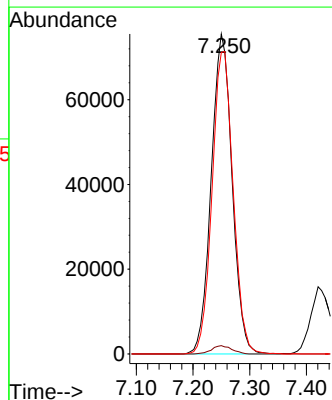
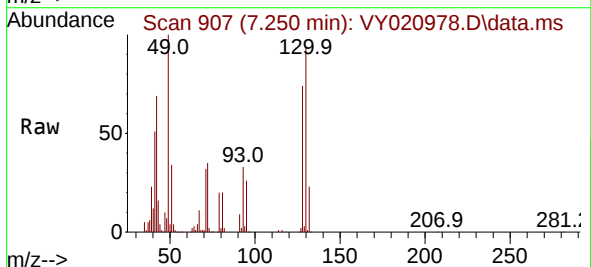
Tgt Ion: 49 Resp: 193122

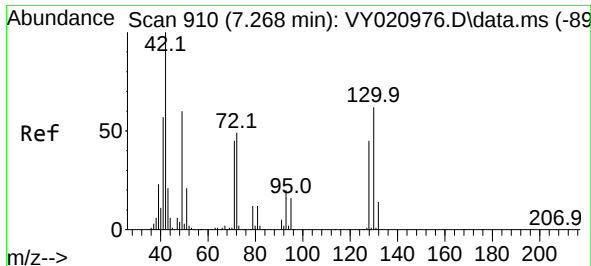
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.0

130 95.3 73.2 109.8





#29

Tetrahydrofuran

Concen: 715.451 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

ClientSampleId :

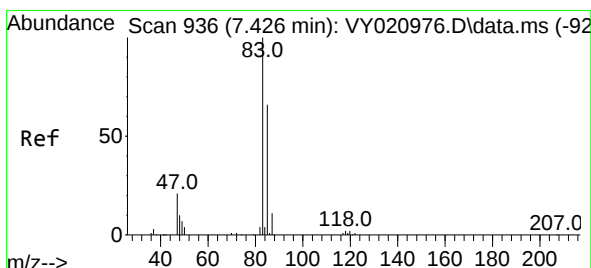
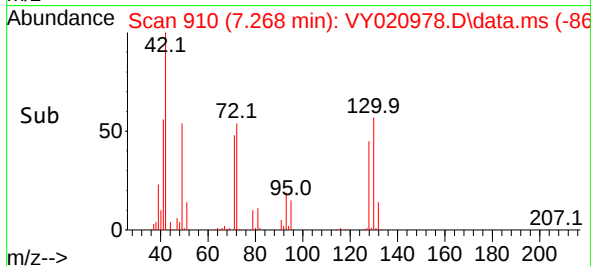
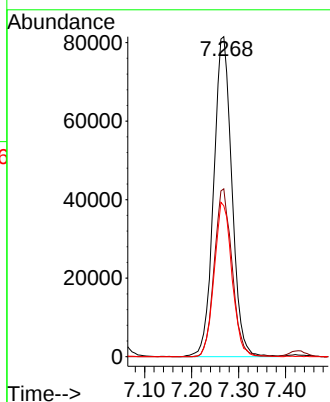
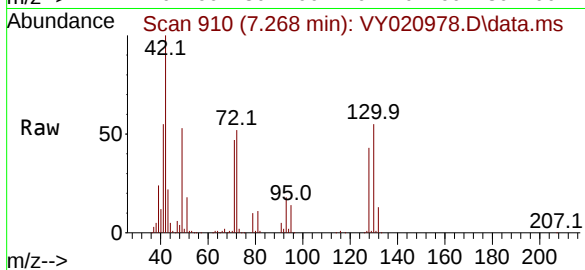
Tgt Ion: 42 Resp: 219521

Ion Ratio Lower Upper

42 100

72 51.2 39.3 58.9

71 47.1 36.1 54.1



#30

Chloroform

Concen: 146.485 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.000 min

Lab File: VY020978.D

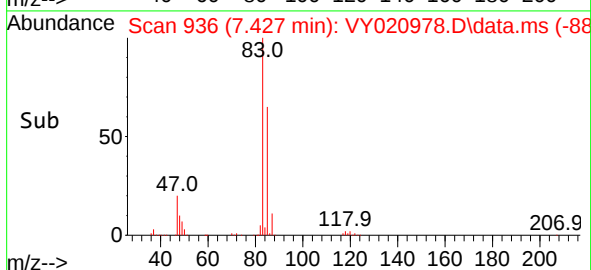
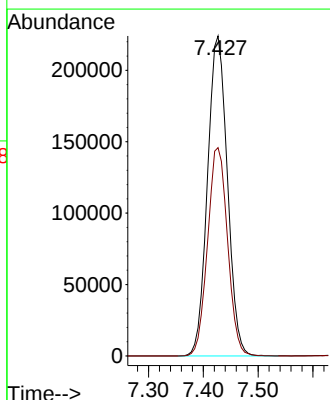
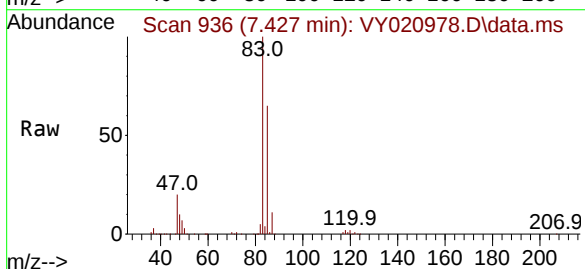
Acq: 30 Jan 2025 10:44

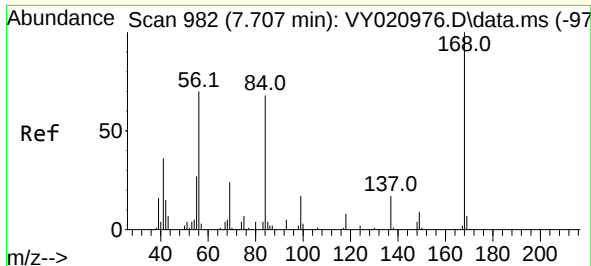
Tgt Ion: 83 Resp: 563125

Ion Ratio Lower Upper

83 100

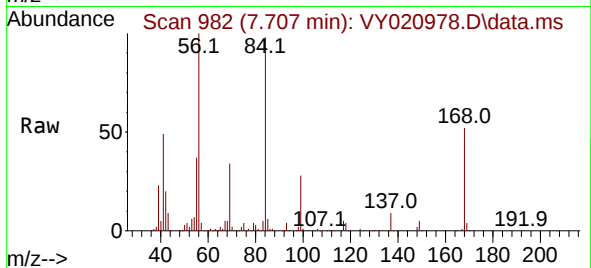
85 65.1 52.9 79.3



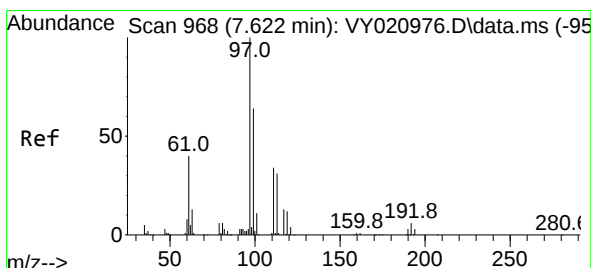
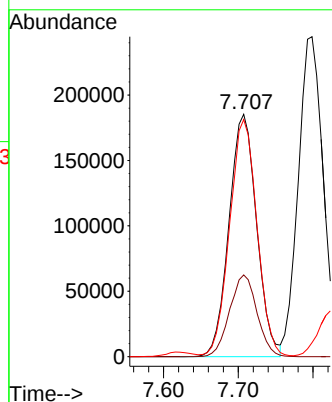
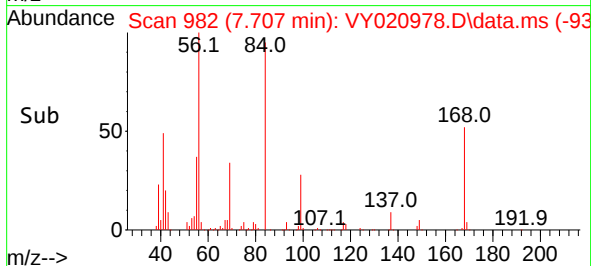


#31  
Cyclohexane  
Concen: 137.054 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

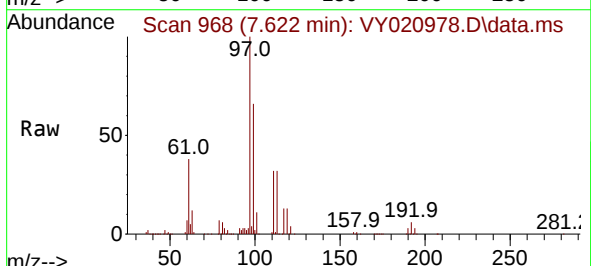
Instrument :  
MSVOA\_Y  
ClientSampleId :



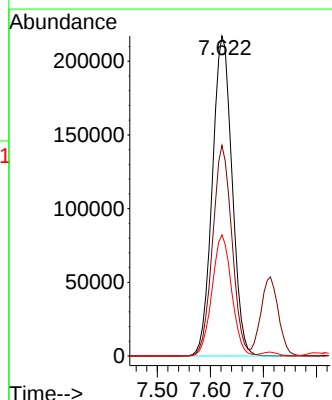
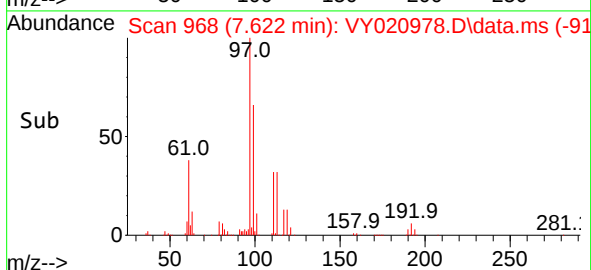
Tgt Ion: 56 Resp: 475478  
Ion Ratio Lower Upper  
56 100  
69 33.7 27.7 41.5  
84 96.1 77.5 116.3

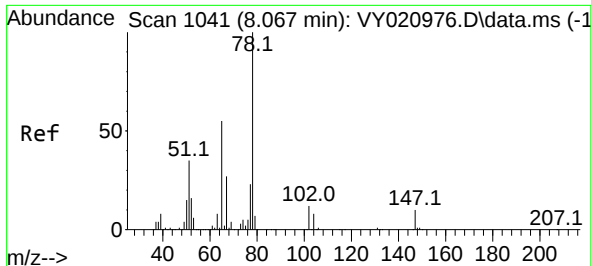


#32  
1,1,1-Trichloroethane  
Concen: 150.761 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44



Tgt Ion: 97 Resp: 560899  
Ion Ratio Lower Upper  
97 100  
99 64.6 51.4 77.0  
61 37.6 31.4 47.0

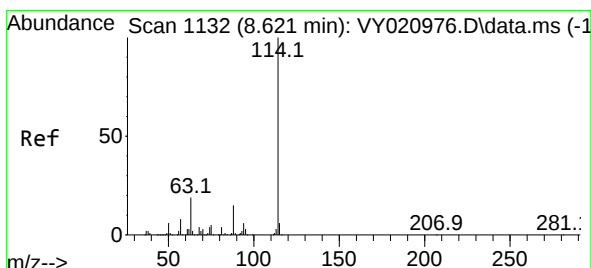
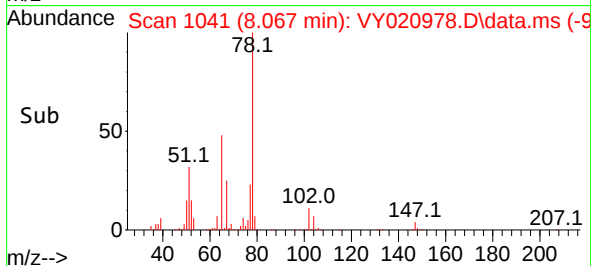
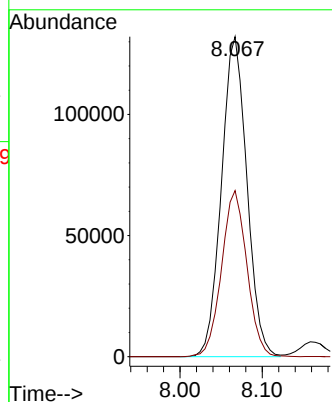
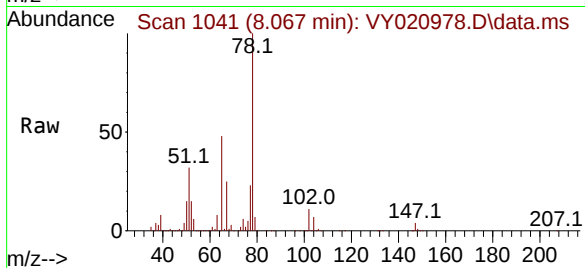




#33  
1,2-Dichloroethane-d4  
Concen: 143.802 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

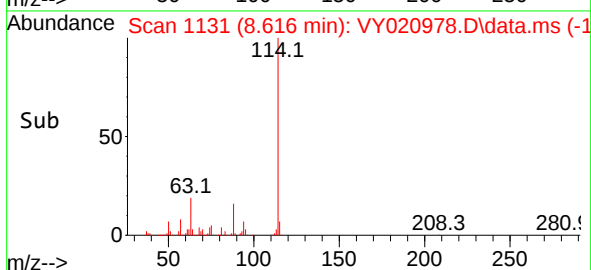
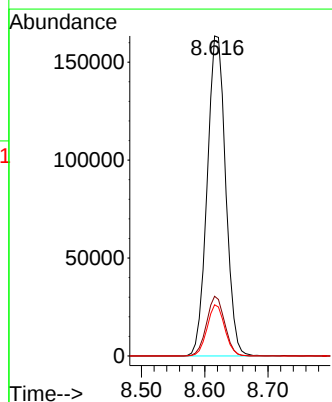
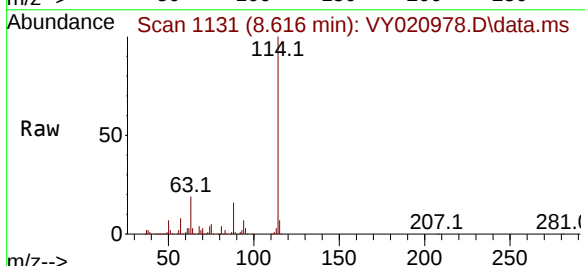
Instrument :  
MSVOA\_Y  
ClientSampleId :

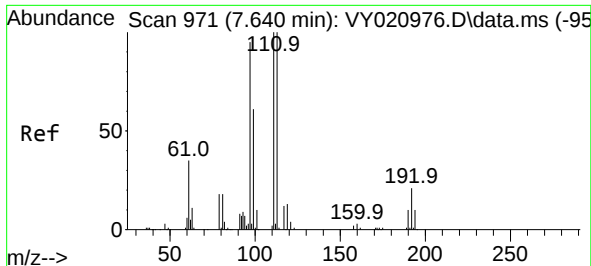
Tgt Ion: 65 Resp: 283583  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 104.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion:114 Resp: 331494  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 37.2  
88 16.0 0.0 29.6

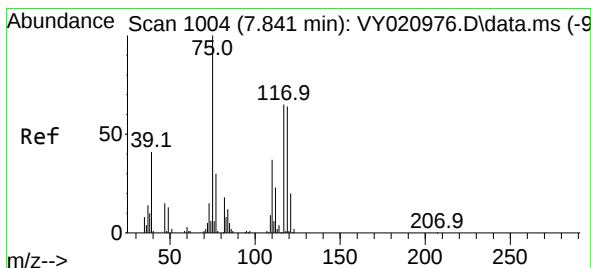
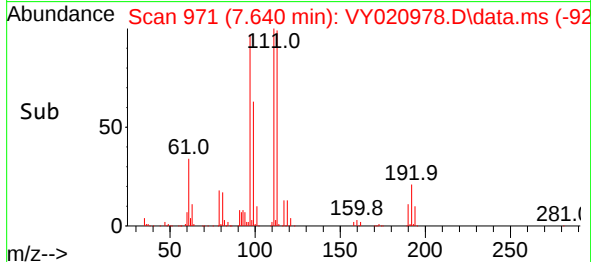
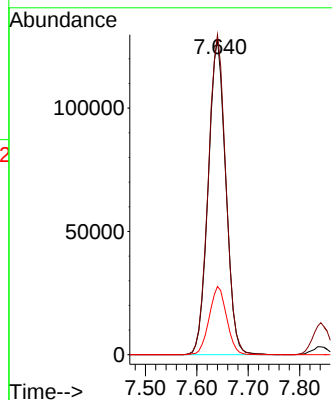
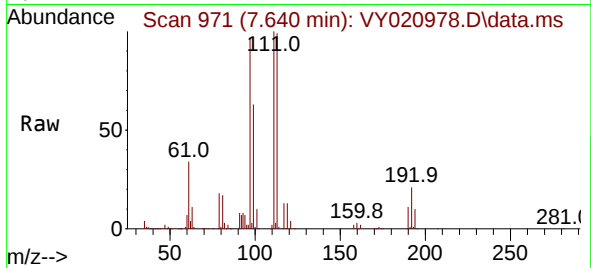




#35  
Dibromofluoromethane  
Concen: 151.862 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

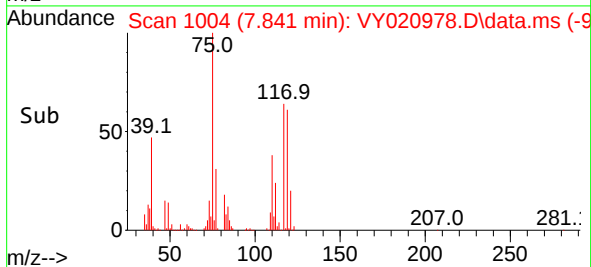
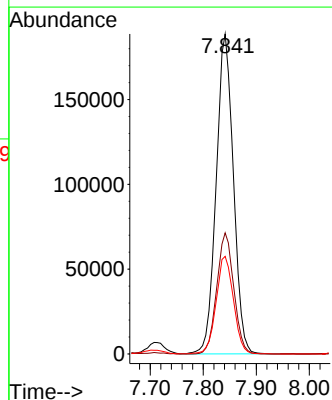
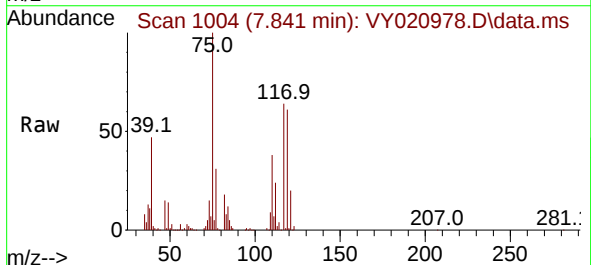
Instrument :  
MSVOA\_Y  
ClientSampleId :

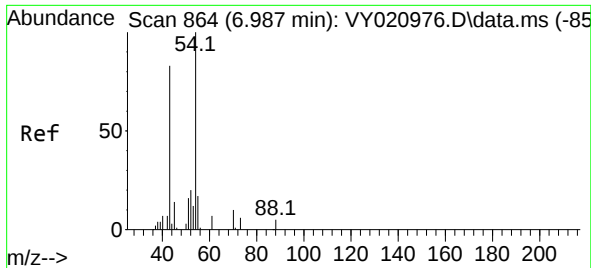
Tgt Ion:113 Resp: 302643  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.6 123.8  
192 21.5 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 149.569 ug/l  
RT: 7.841 min Scan# 1004  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 75 Resp: 425231  
Ion Ratio Lower Upper  
75 100  
110 37.4 18.4 55.2  
77 30.8 24.9 37.3

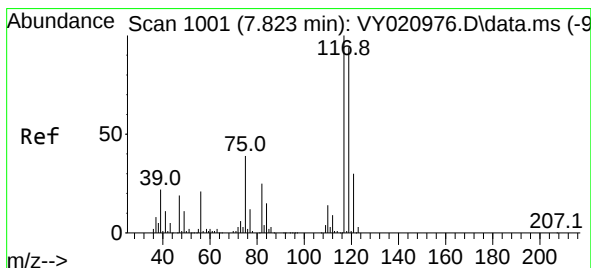
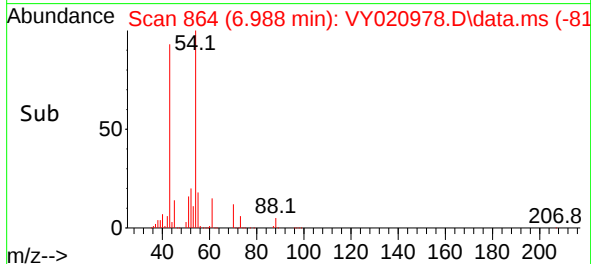
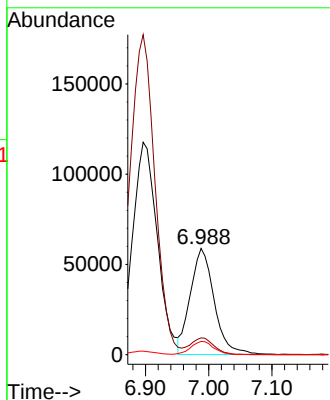
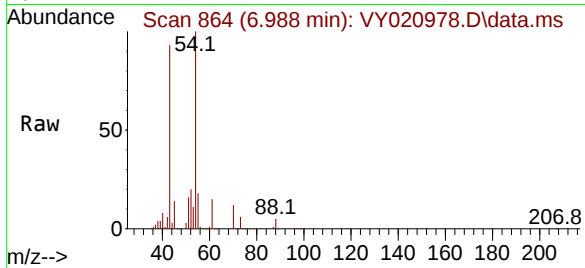




#37  
Ethyl Acetate  
Concen: 145.661 ug/l  
RT: 6.988 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

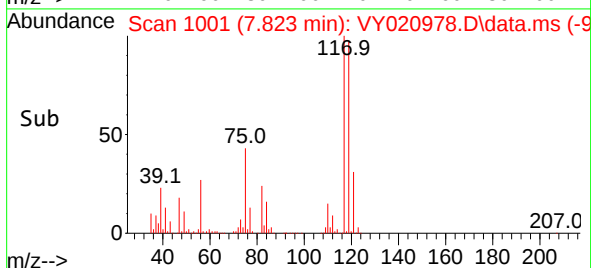
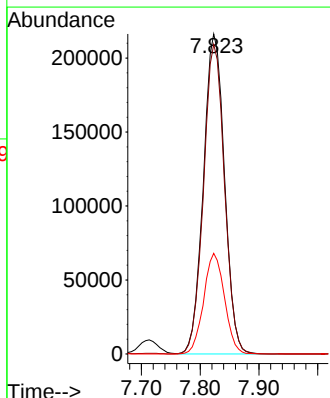
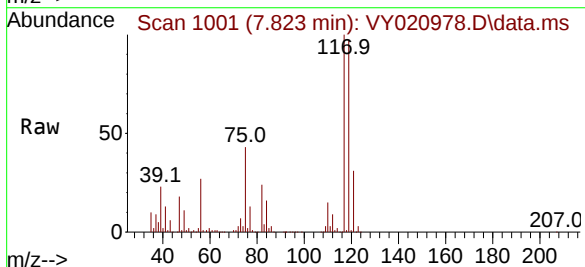
Instrument :  
MSVOA\_Y  
ClientSampleId :

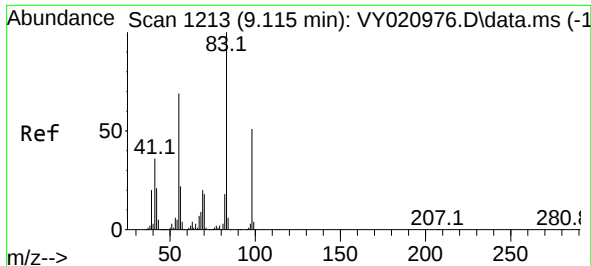
Tgt Ion: 43 Resp: 154391  
Ion Ratio Lower Upper  
43 100  
61 15.8 11.4 17.0  
70 12.2 9.6 14.4



#38  
Carbon Tetrachloride  
Concen: 153.239 ug/l  
RT: 7.823 min Scan# 1001  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 117 Resp: 539139  
Ion Ratio Lower Upper  
117 100  
119 96.7 75.0 112.6  
121 31.5 24.2 36.2





#39

Methylcyclohexane

Concen: 155.801 ug/l

RT: 9.115 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

ClientSampleId :

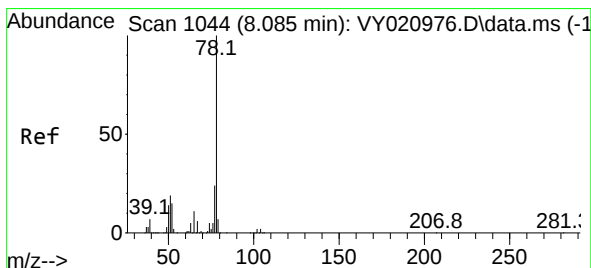
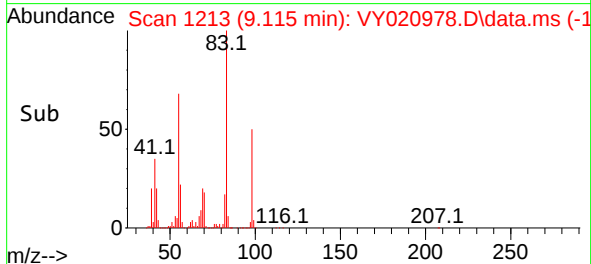
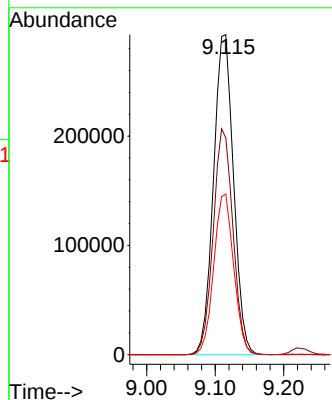
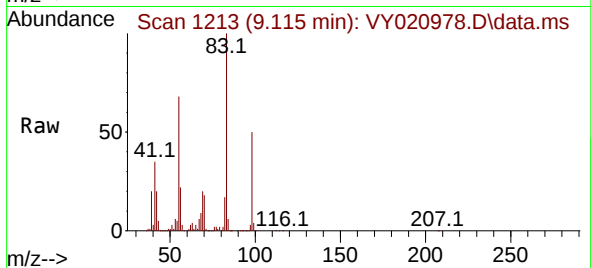
Tgt Ion: 83 Resp: 595050

Ion Ratio Lower Upper

83 100

55 67.8 54.9 82.3

98 50.2 40.5 60.7



#40

Benzene

Concen: 149.138 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VY020978.D

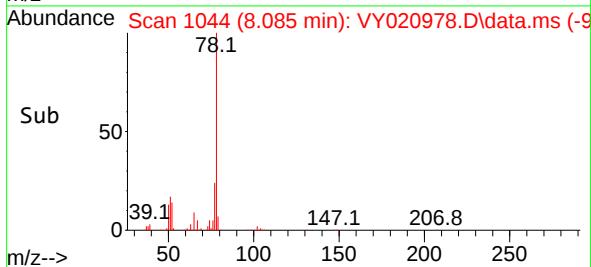
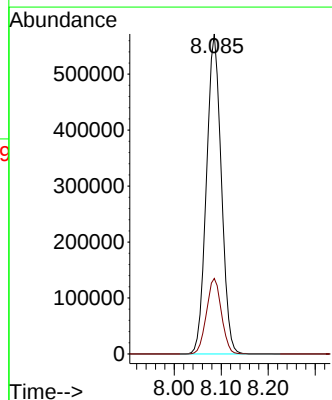
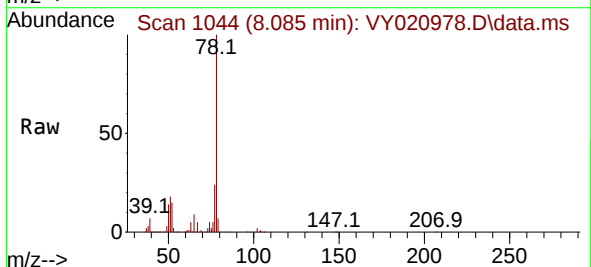
Acq: 30 Jan 2025 10:44

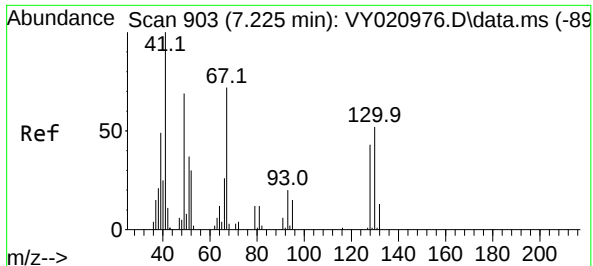
Tgt Ion: 78 Resp: 1247617

Ion Ratio Lower Upper

78 100

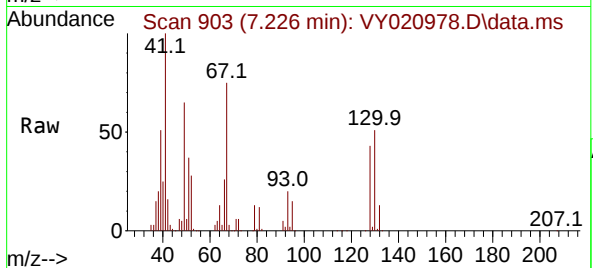
77 23.6 19.4 29.2



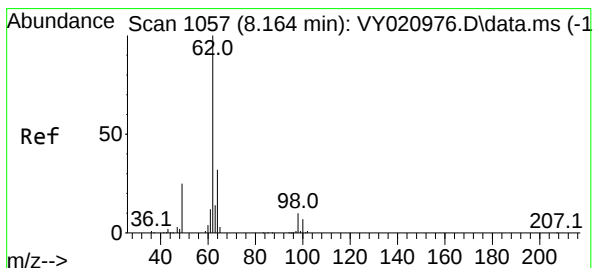
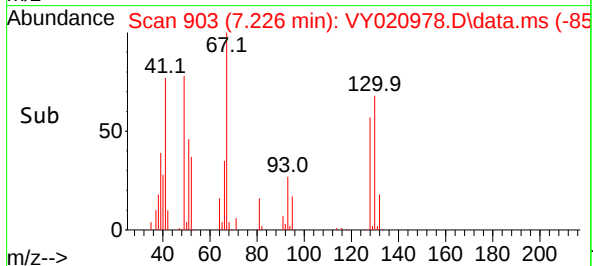
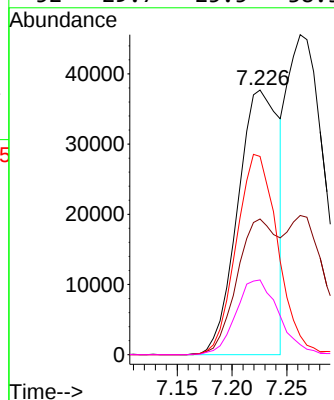


#41  
Methacrylonitrile  
Concen: 167.701 ug/l  
RT: 7.226 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Instrument :  
MSVOA\_Y  
ClientSampleId :

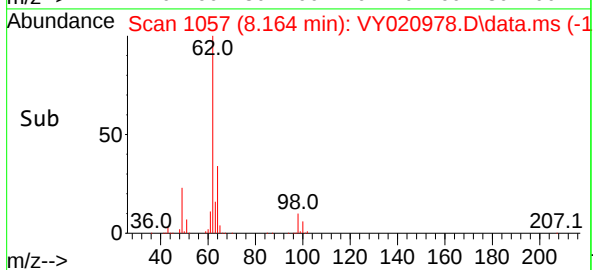
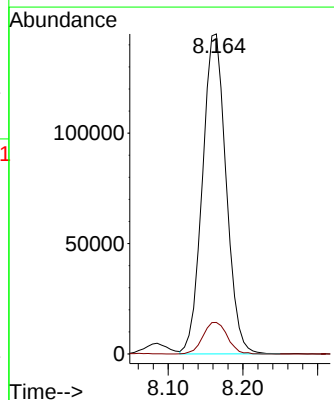
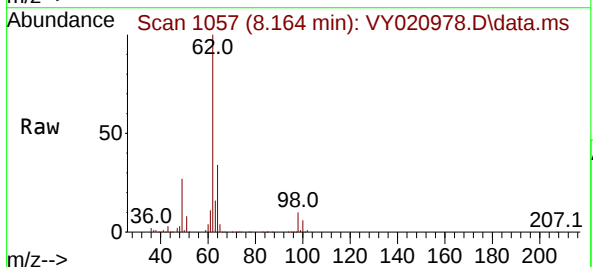


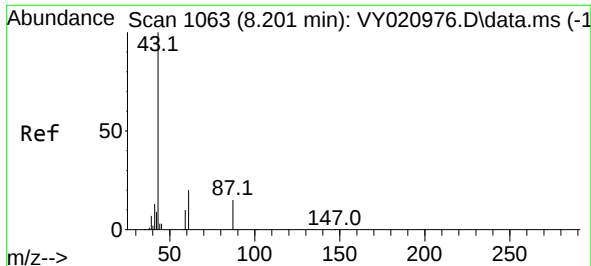
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 98349 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 51.3     | 41.6 62.4   |
| 67 76.8     | 63.8 95.6   |
| 52 29.7     | 25.5 38.3   |



#42  
1,2-Dichloroethane  
Concen: 150.385 ug/l  
RT: 8.164 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 319053 |
| Ion Ratio   | Lower Upper  |
| 62 100      |              |
| 98 10.2     | 0.0 19.4     |





#43

Isopropyl Acetate

Concen: 152.803 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

ClientSampleId :

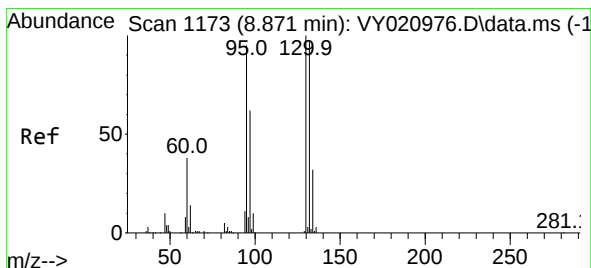
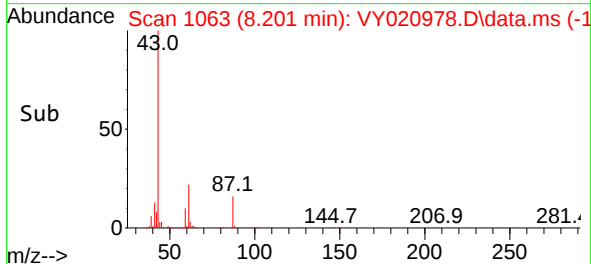
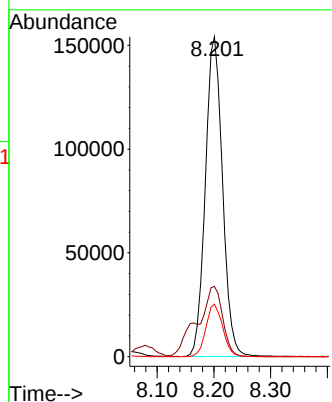
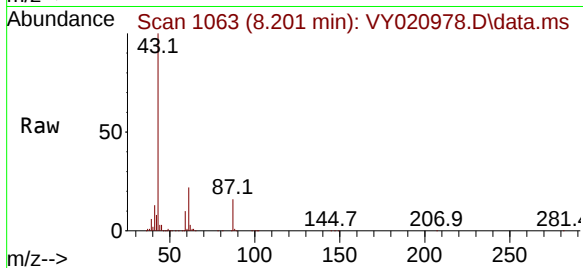
Tgt Ion: 43 Resp: 323561

Ion Ratio Lower Upper

43 100

61 32.6 15.8 23.6#

87 16.1 12.5 18.7



#44

Trichloroethene

Concen: 150.613 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. -0.006 min

Lab File: VY020978.D

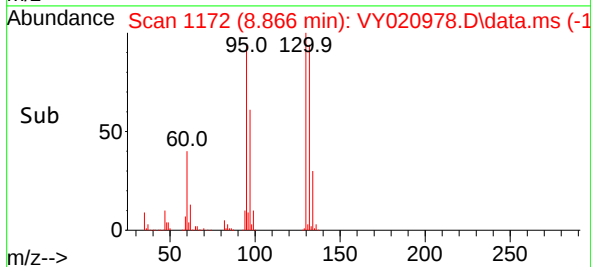
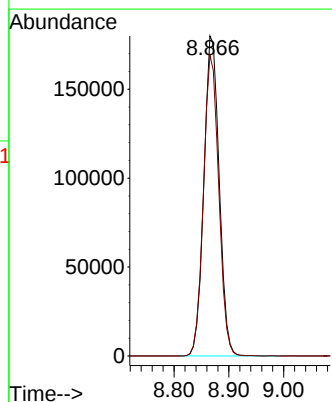
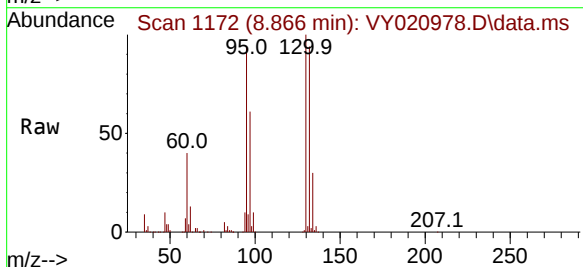
Acq: 30 Jan 2025 10:44

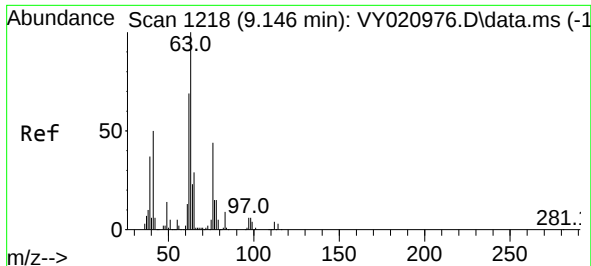
Tgt Ion:130 Resp: 347665

Ion Ratio Lower Upper

130 100

95 94.0 0.0 189.6





#45

1,2-Dichloropropane

Concen: 146.965 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

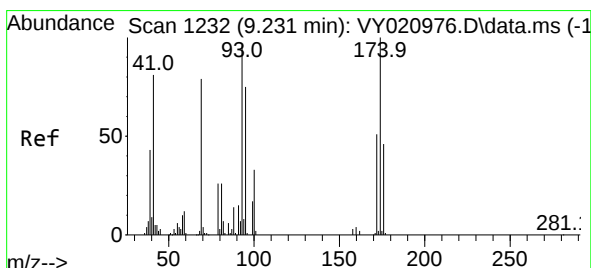
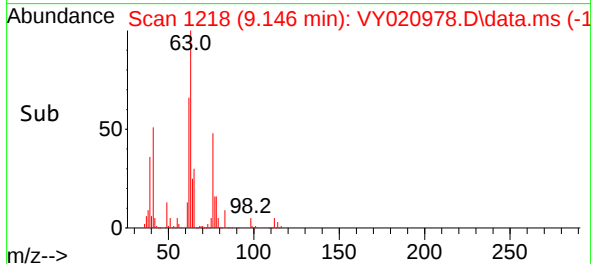
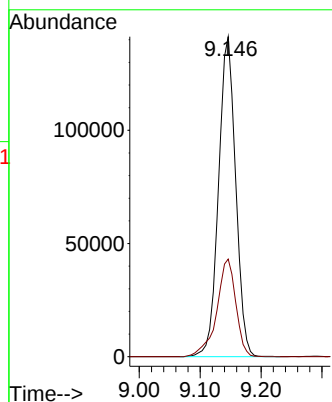
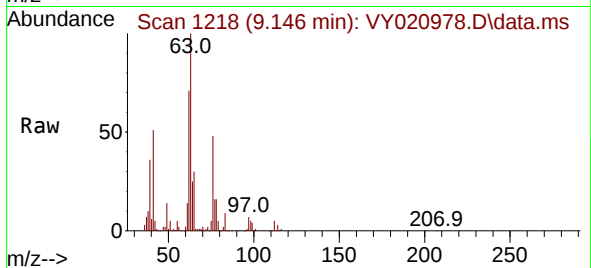
ClientSampleId :

Tgt Ion: 63 Resp: 275562

Ion Ratio Lower Upper

63 100

65 30.5 23.6 35.4



#46

Dibromomethane

Concen: 147.303 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

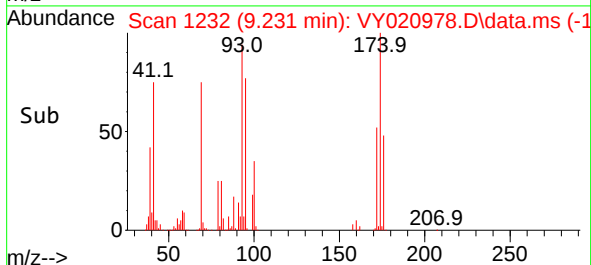
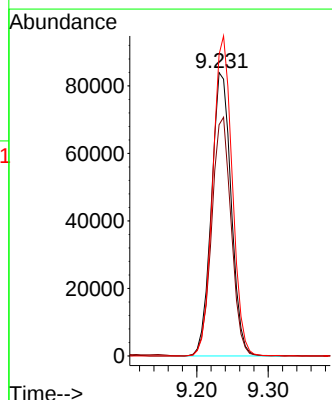
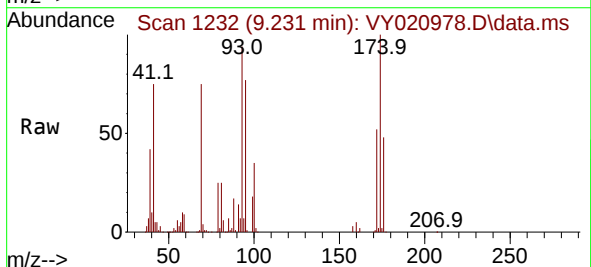
Tgt Ion: 93 Resp: 160731

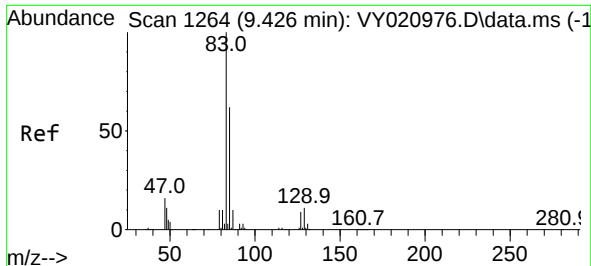
Ion Ratio Lower Upper

93 100

95 83.1 65.8 98.8

174 111.3 88.1 132.1

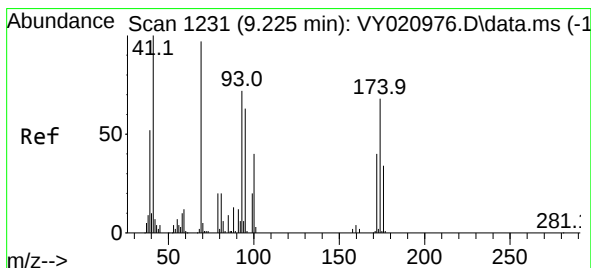
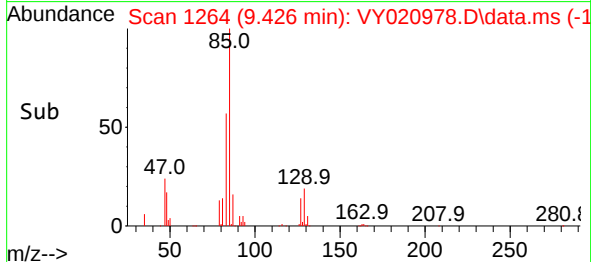
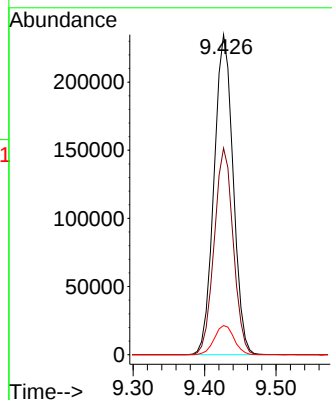
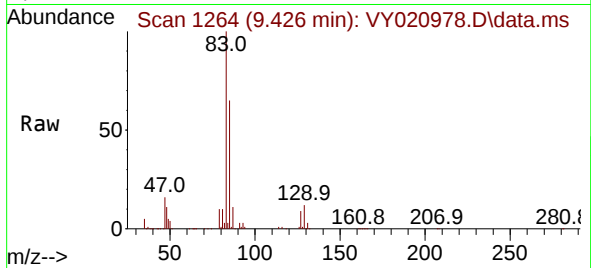




#47  
Bromodichloromethane  
Concen: 151.975 ug/l  
RT: 9.426 min Scan# 1264  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

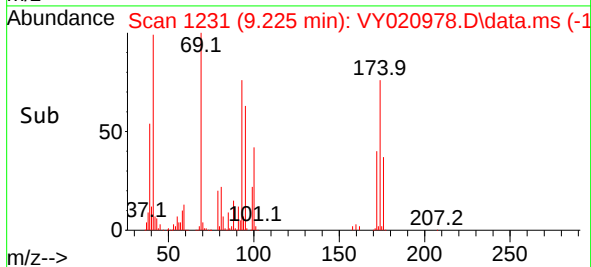
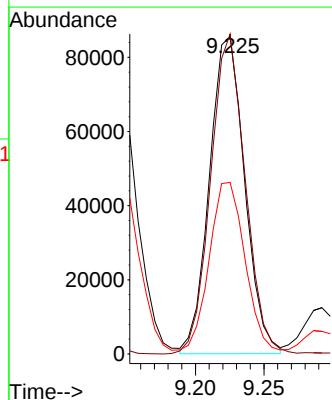
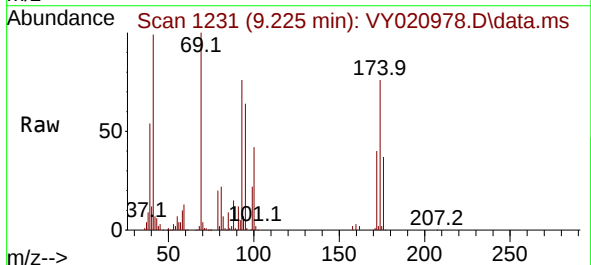
Instrument :  
MSVOA\_Y  
ClientSampleId :

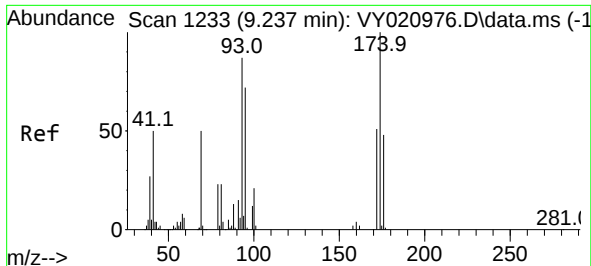
Tgt Ion: 83 Resp: 435487  
Ion Ratio Lower Upper  
83 100  
85 64.6 49.6 74.4  
127 9.1 7.1 10.7



#48  
Methyl methacrylate  
Concen: 151.782 ug/l  
RT: 9.225 min Scan# 1231  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 41 Resp: 153018  
Ion Ratio Lower Upper  
41 100  
69 98.9 75.6 113.4  
39 53.3 41.3 61.9





#49

1,4-Dioxane

Concen: 3099.347 ug/l

RT: 9.231 min Scan# 11

Delta R.T. -0.006 min

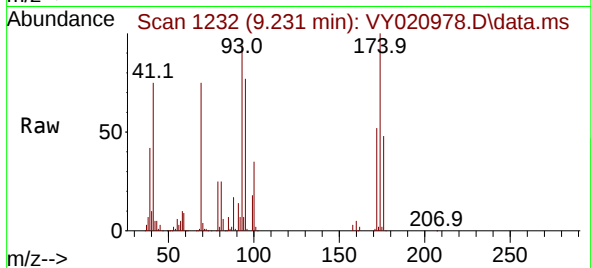
Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

ClientSampleId :



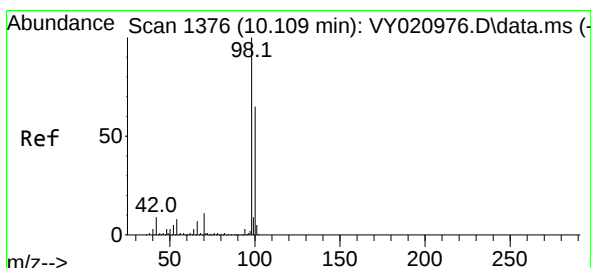
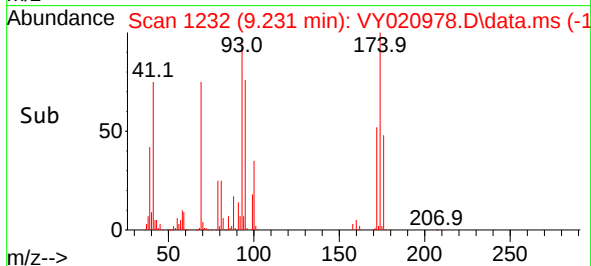
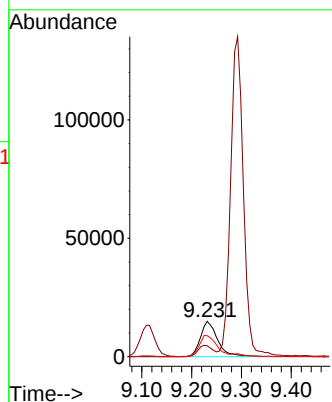
Tgt Ion: 88 Resp: 35936

Ion Ratio Lower Upper

88 100

43 26.5 24.2 36.4

58 61.1 57.3 85.9



#50

Toluene-d8

Concen: 149.852 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY020978.D

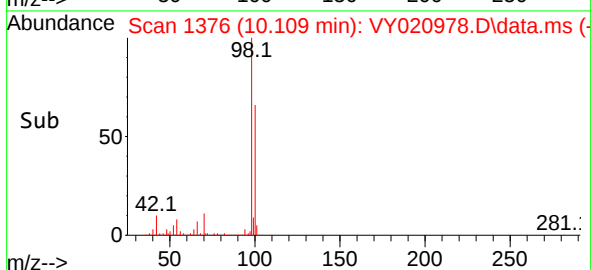
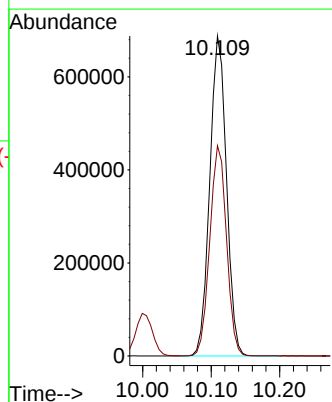
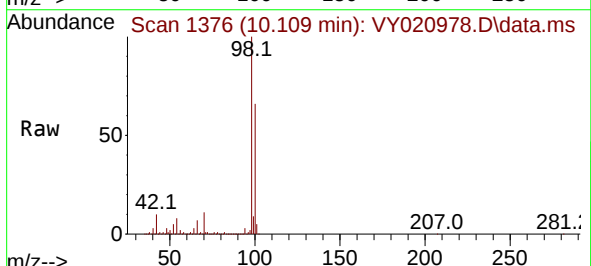
Acq: 30 Jan 2025 10:44

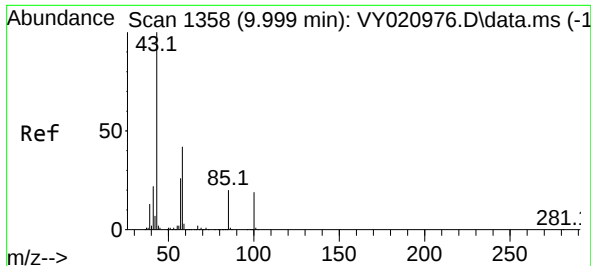
Tgt Ion: 98 Resp: 1165607

Ion Ratio Lower Upper

98 100

100 65.8 52.6 79.0

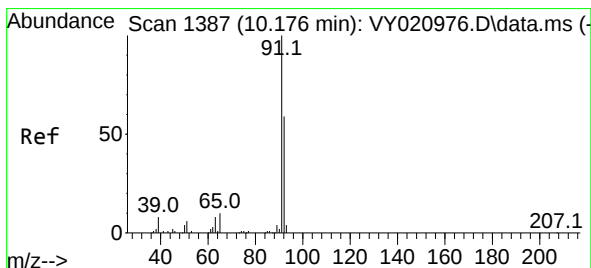
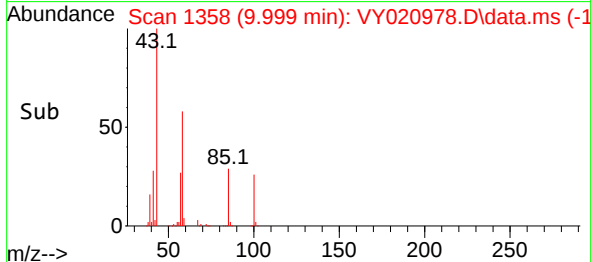
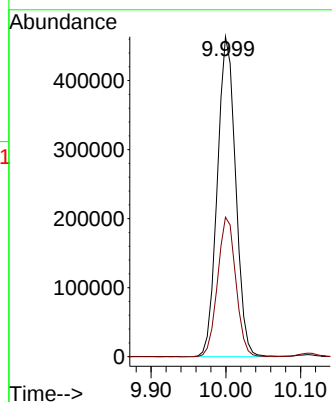
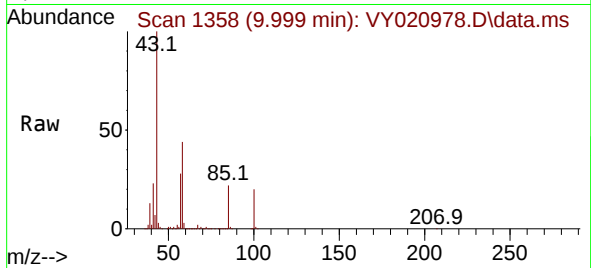




#51  
4-Methyl-2-Pentanone  
Concen: 724.683 ug/l  
RT: 9.999 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

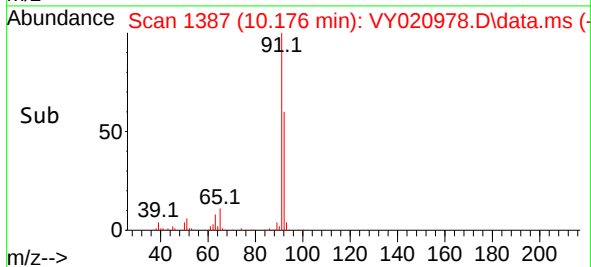
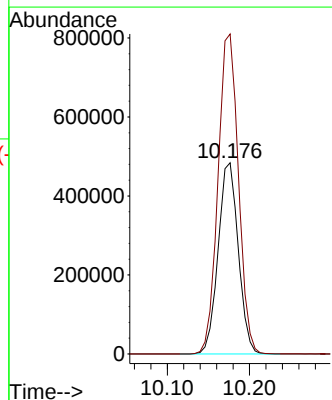
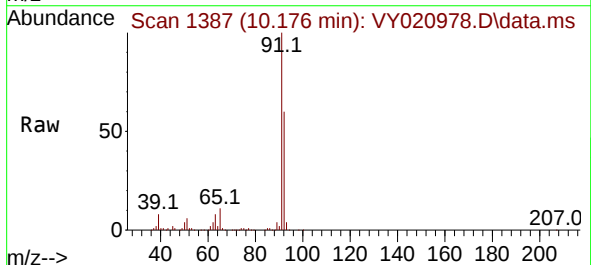
Instrument :  
MSVOA\_Y  
ClientSampleId :

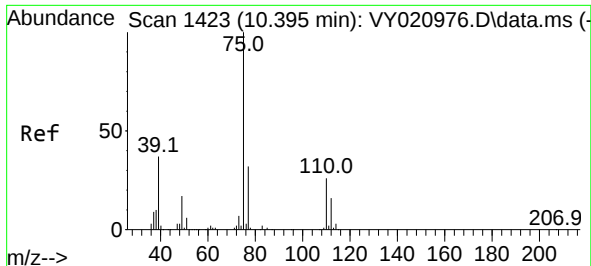
Tgt Ion: 43 Resp: 788500  
Ion Ratio Lower Upper  
43 100  
58 43.5 33.8 50.8



#52  
Toluene  
Concen: 151.562 ug/l  
RT: 10.176 min Scan# 1387  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 92 Resp: 823001  
Ion Ratio Lower Upper  
92 100  
91 169.9 135.8 203.8





#53

t-1,3-Dichloropropene

Concen: 157.230 ug/l

RT: 10.396 min Scan# 1423

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

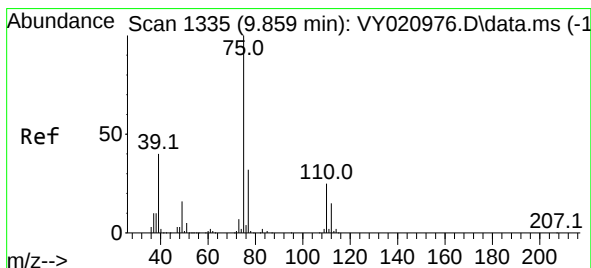
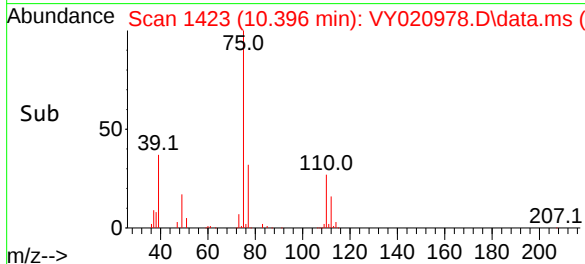
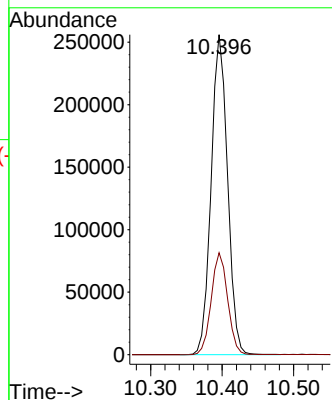
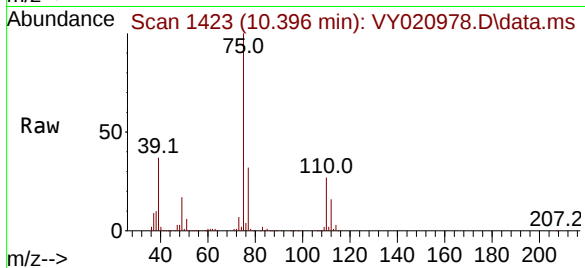
ClientSampleId :

Tgt Ion: 75 Resp: 407713

Ion Ratio Lower Upper

75 100

77 31.9 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 153.068 ug/l

RT: 9.859 min Scan# 1335

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

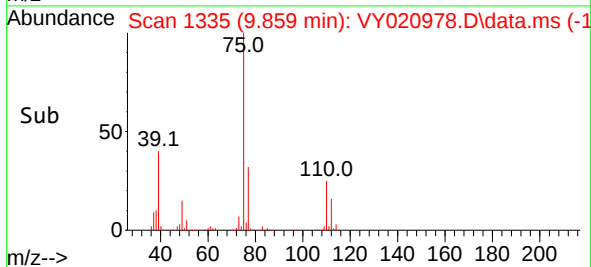
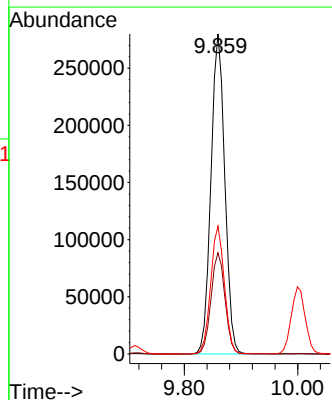
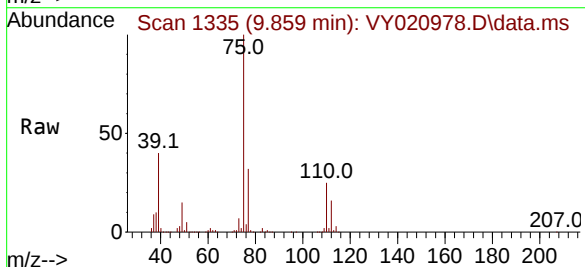
Tgt Ion: 75 Resp: 474391

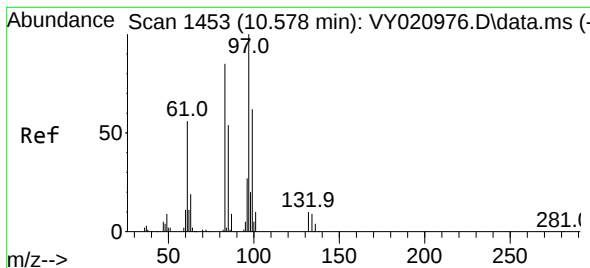
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 40.0 32.2 48.2





#55

1,1,2-Trichloroethane

Concen: 148.433 ug/l

RT: 10.573 min Scan# 1453

Delta R.T. -0.006 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 215393

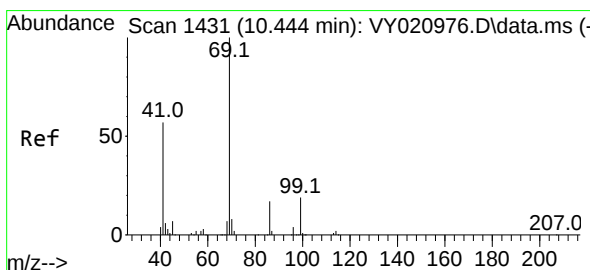
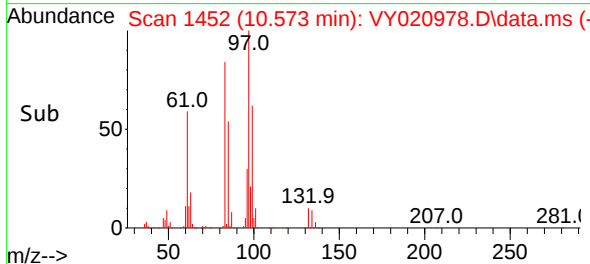
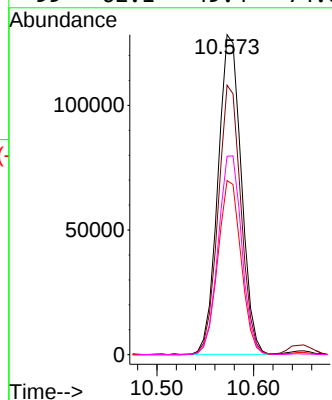
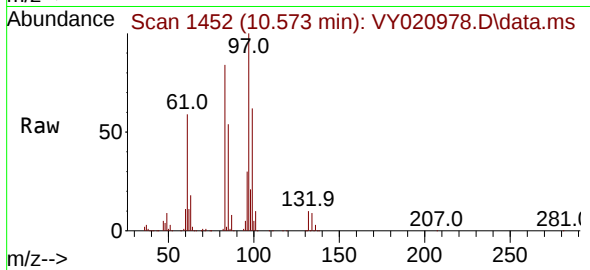
Ion Ratio Lower Upper

97 100

83 84.3 67.7 101.5

85 54.4 43.4 65.2

99 62.1 49.4 74.0



#56

Ethyl methacrylate

Concen: 163.451 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

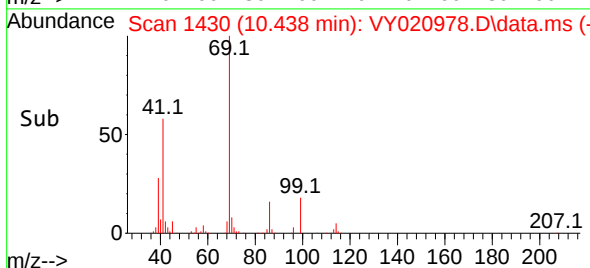
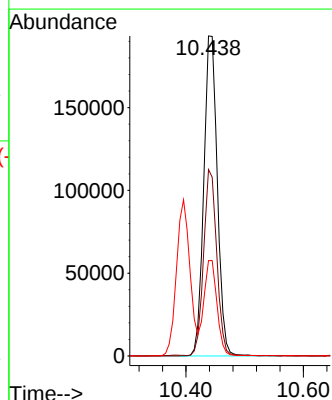
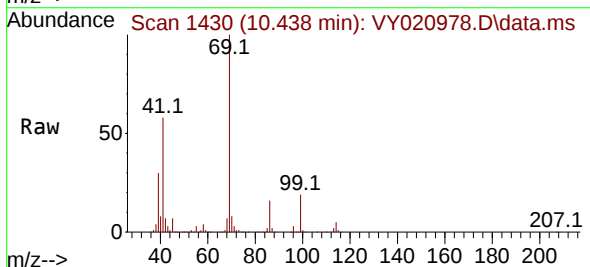
Tgt Ion: 69 Resp: 310033

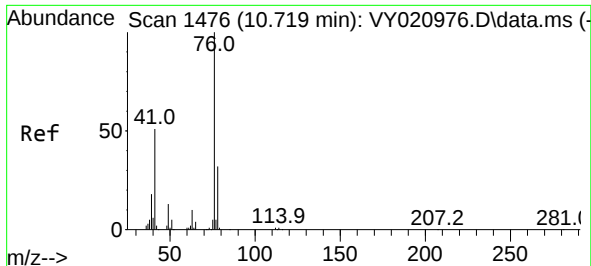
Ion Ratio Lower Upper

69 100

41 56.3 46.3 69.5

39 28.8 24.5 36.7





#57

1,3-Dichloropropane

Concen: 148.645 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

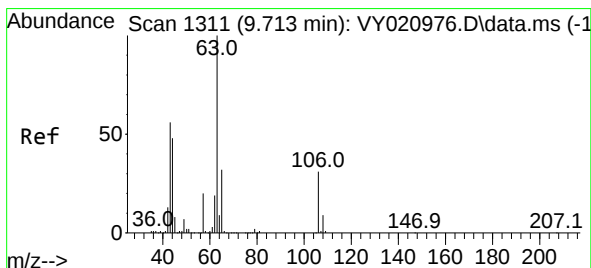
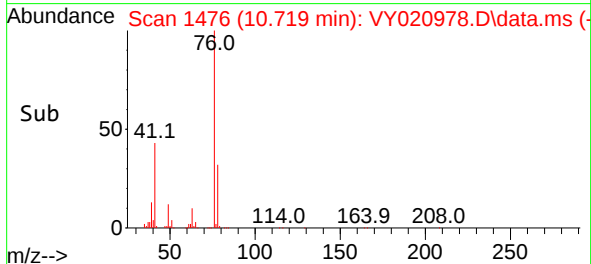
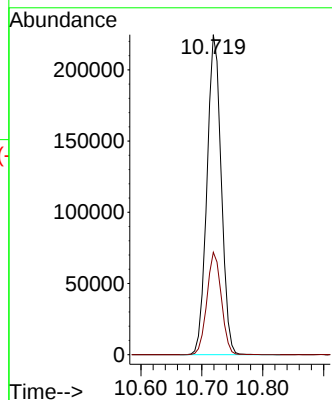
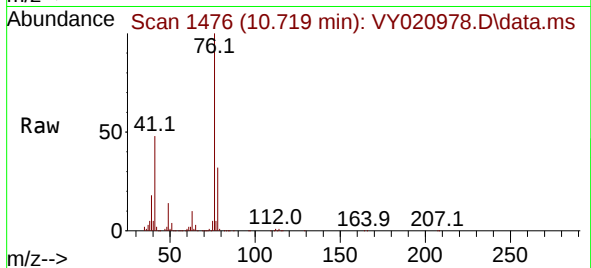
ClientSampleId :

Tgt Ion: 76 Resp: 365597

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 805.655 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY020978.D

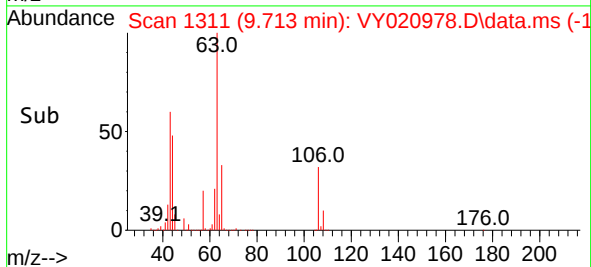
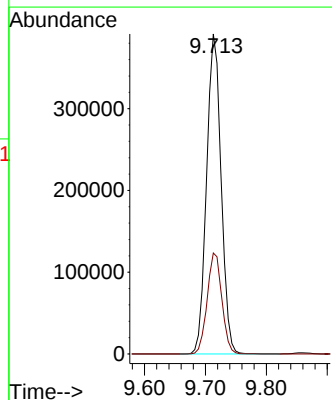
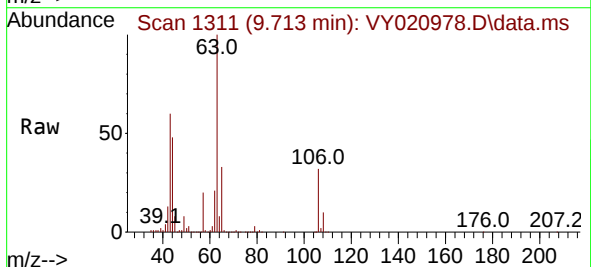
Acq: 30 Jan 2025 10:44

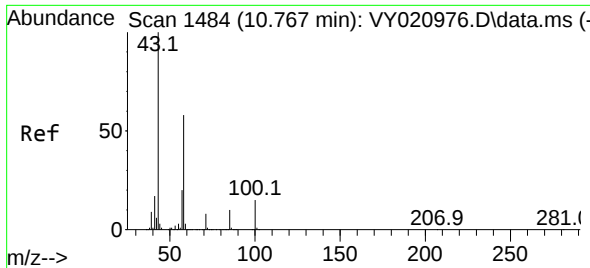
Tgt Ion: 63 Resp: 648608

Ion Ratio Lower Upper

63 100

106 31.8 24.7 37.1

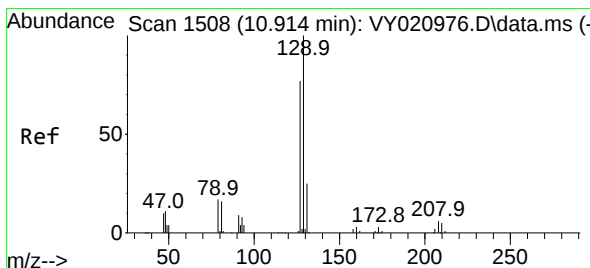
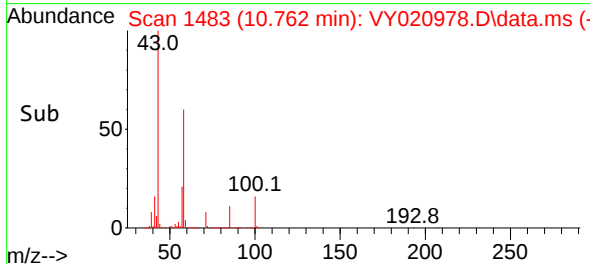
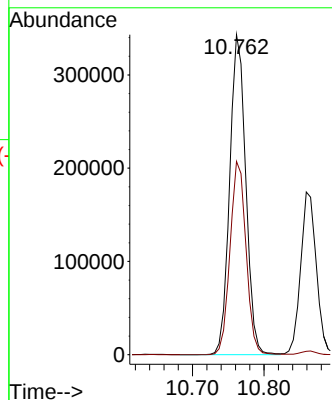
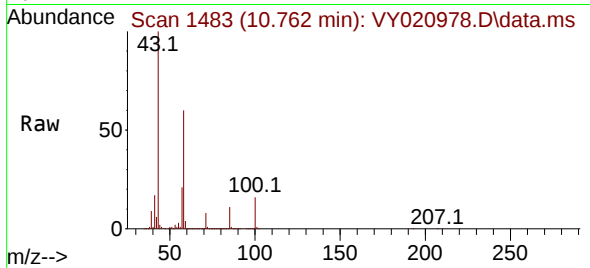




#59  
2-Hexanone  
Concen: 757.129 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. -0.006 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

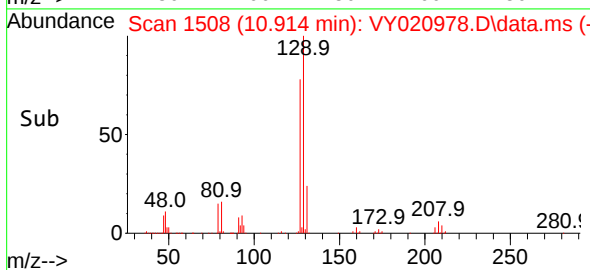
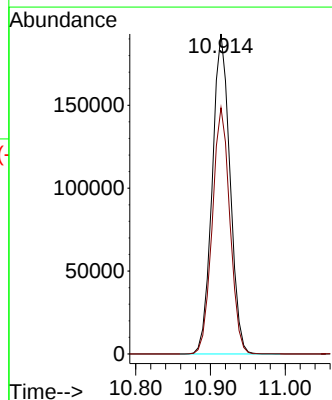
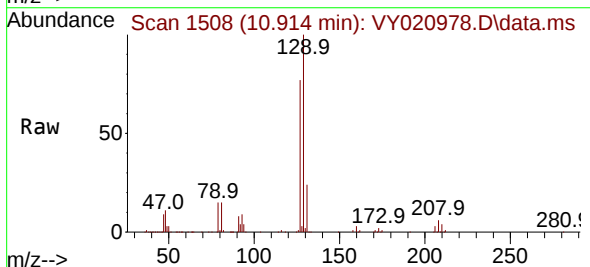
Instrument :  
MSVOA\_Y  
ClientSampleId :

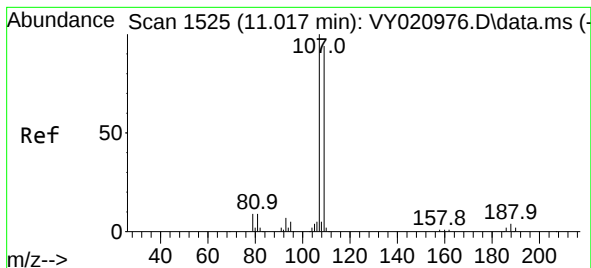
Tgt Ion: 43 Resp: 535470  
Ion Ratio Lower Upper  
43 100  
58 60.2 29.8 89.3



#60  
Dibromochloromethane  
Concen: 154.040 ug/l  
RT: 10.914 min Scan# 1508  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion:129 Resp: 318711  
Ion Ratio Lower Upper  
129 100  
127 76.2 38.5 115.3

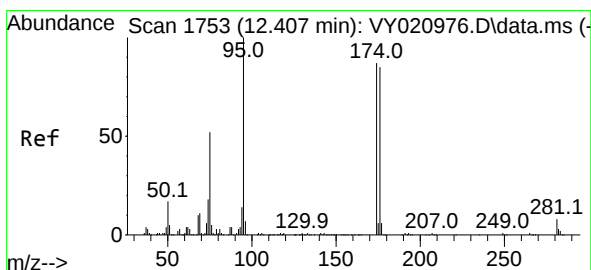
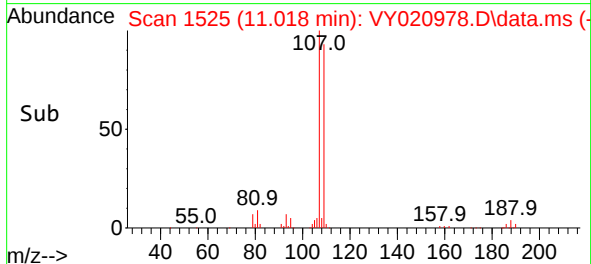
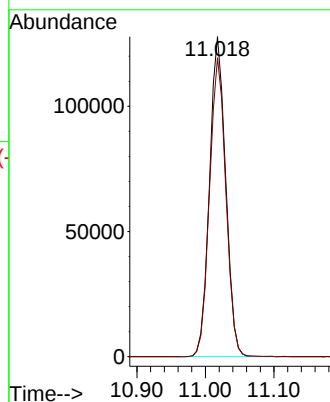
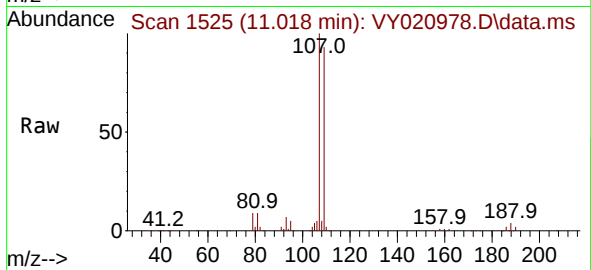




#61  
1,2-Dibromoethane  
Concen: 151.095 ug/l  
RT: 11.018 min Scan# 1525  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

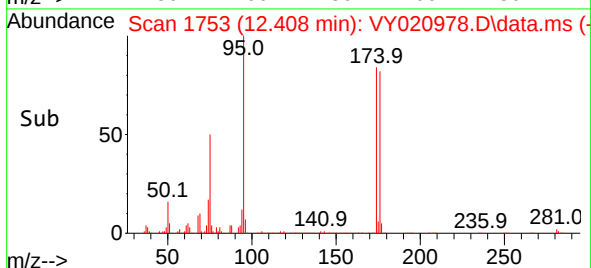
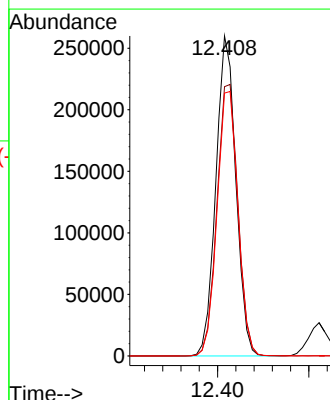
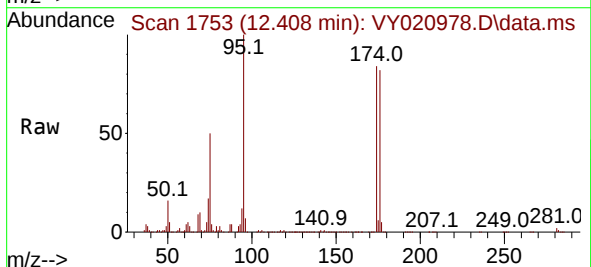
Instrument :  
MSVOA\_Y  
ClientSampleId :

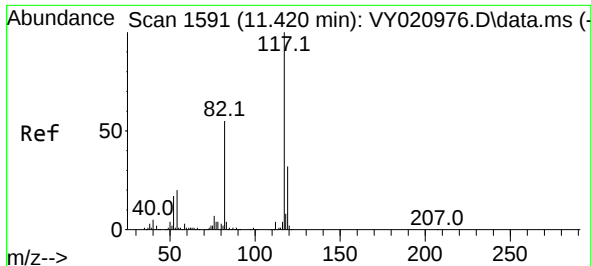
Tgt Ion:107 Resp: 209421  
Ion Ratio Lower Upper  
107 100  
109 94.4 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 151.130 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 95 Resp: 394456  
Ion Ratio Lower Upper  
95 100  
174 89.4 0.0 181.2  
176 86.7 0.0 175.2

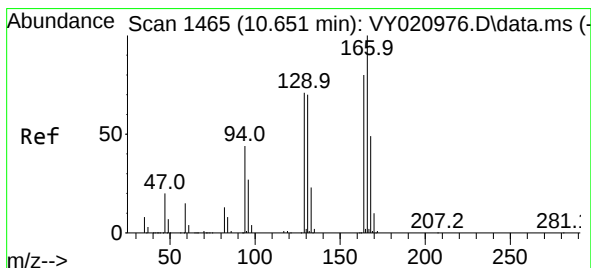
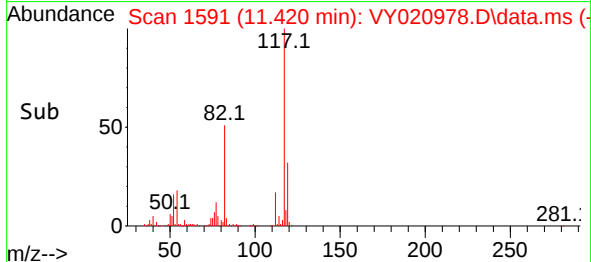
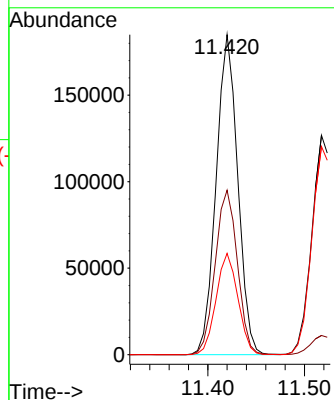
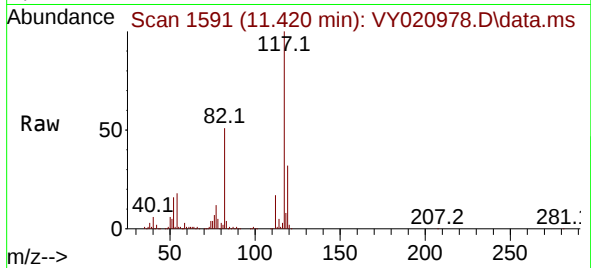




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

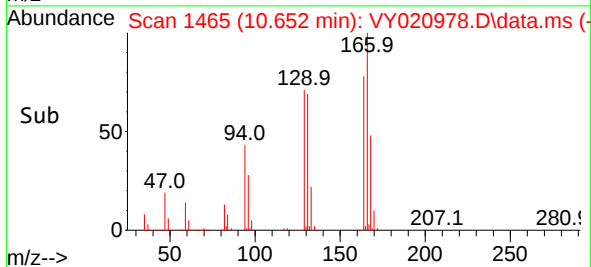
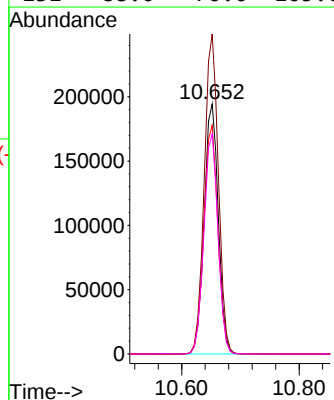
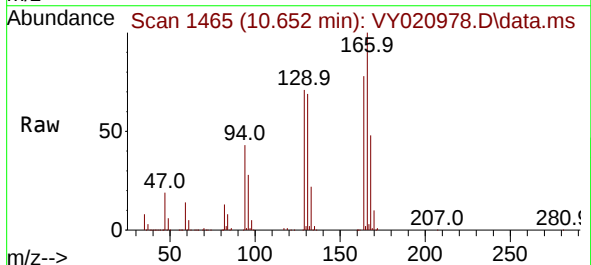
Instrument :  
MSVOA\_Y  
ClientSampleId :

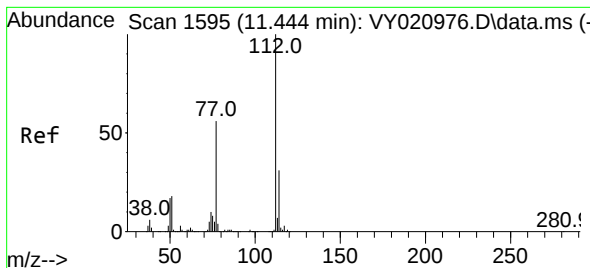
Tgt Ion:117 Resp: 286621  
Ion Ratio Lower Upper  
117 100  
82 51.4 44.2 66.2  
119 31.6 25.9 38.9



#64  
Tetrachloroethene  
Concen: 150.017 ug/l  
RT: 10.652 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion:164 Resp: 324348  
Ion Ratio Lower Upper  
164 100  
166 127.9 100.4 150.6  
129 91.3 70.8 106.2  
131 88.0 70.0 105.0





#65

Chlorobenzene

Concen: 150.254 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

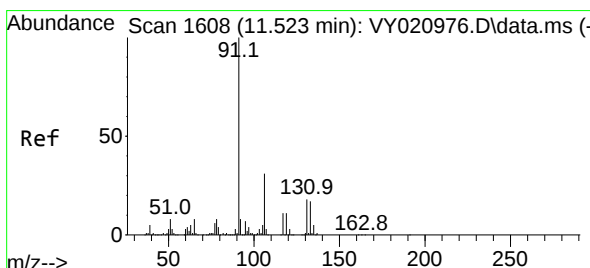
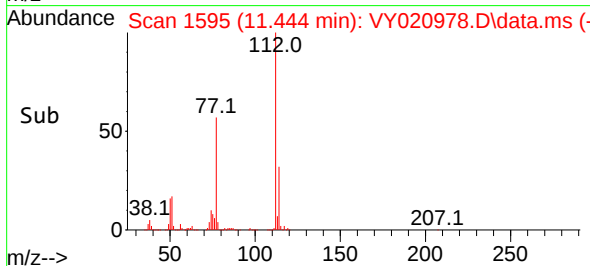
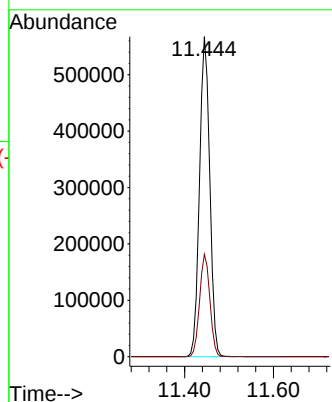
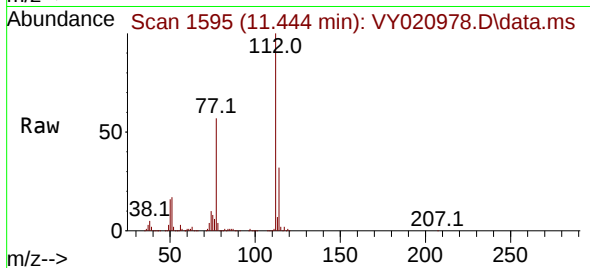
ClientSampleId :

Tgt Ion:112 Resp: 907348

Ion Ratio Lower Upper

112 100

114 32.0 24.6 37.0



#66

1,1,1,2-Tetrachloroethane

Concen: 150.786 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

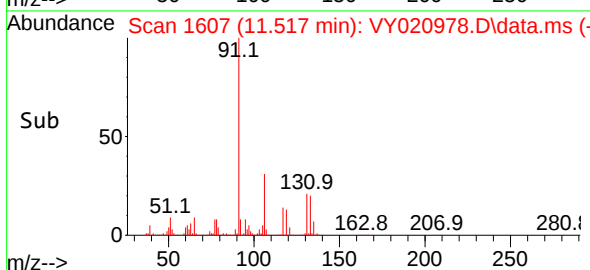
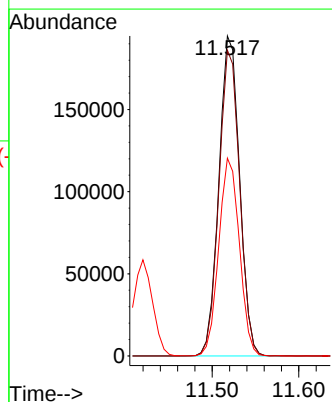
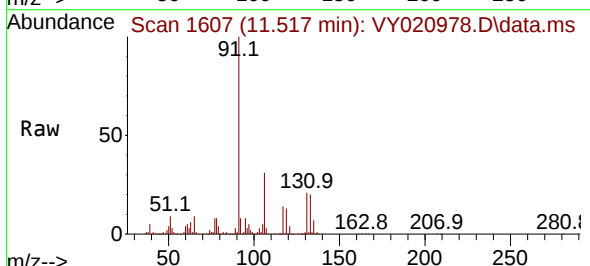
Tgt Ion:131 Resp: 323170

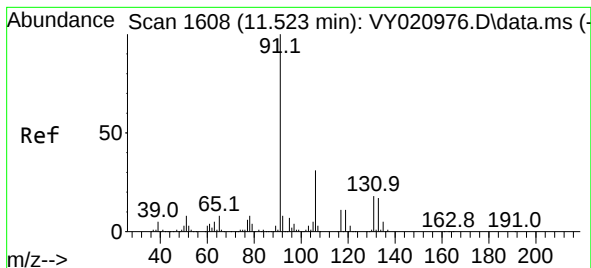
Ion Ratio Lower Upper

131 100

133 95.8 48.7 146.1

119 61.7 31.4 94.3





#67

Ethyl Benzene

Concen: 153.001 ug/l

RT: 11.524 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

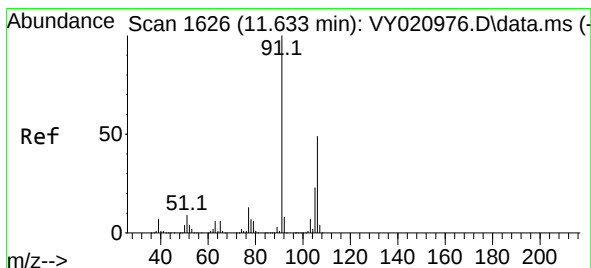
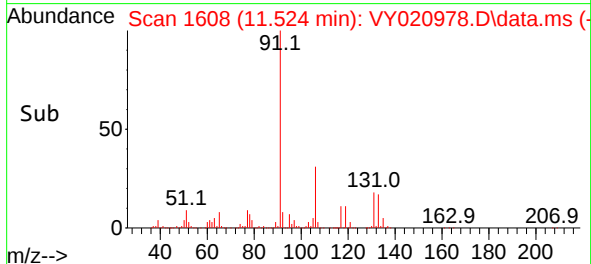
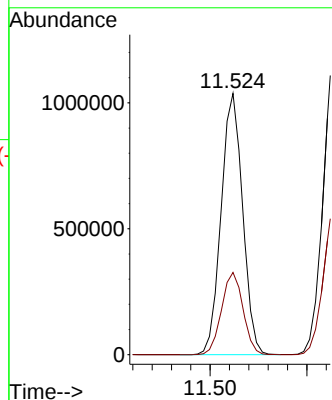
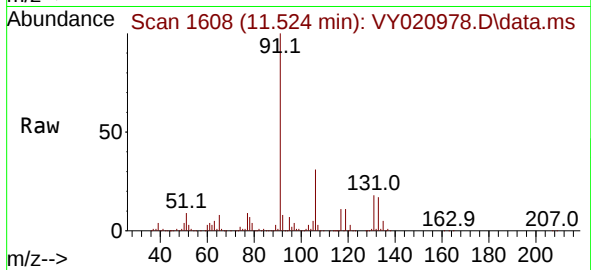
ClientSampleId :

Tgt Ion: 91 Resp: 1599733

Ion Ratio Lower Upper

91 100

106 31.5 24.9 37.3



#68

m/p-Xylenes

Concen: 303.287 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.000 min

Lab File: VY020978.D

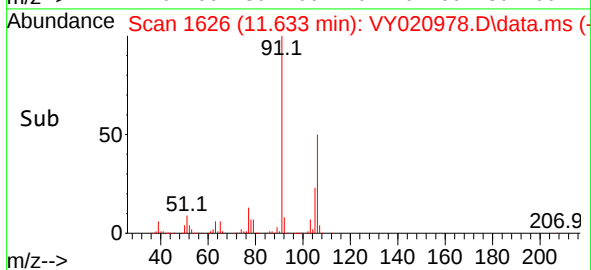
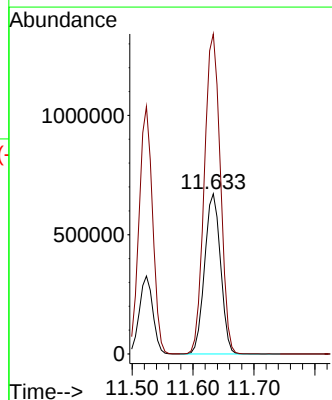
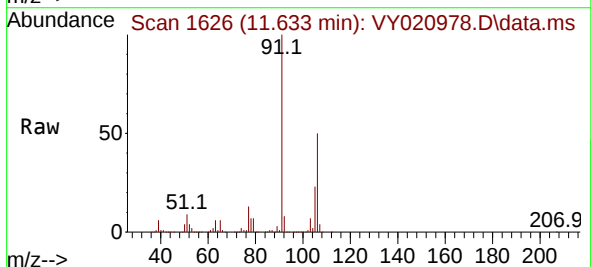
Acq: 30 Jan 2025 10:44

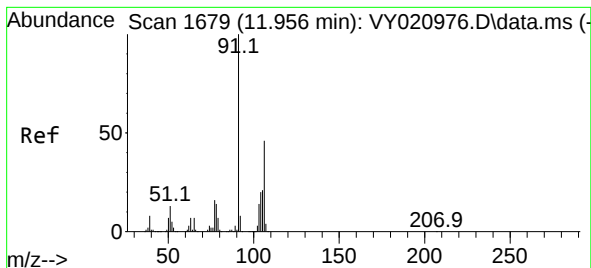
Tgt Ion:106 Resp: 1218351

Ion Ratio Lower Upper

106 100

91 200.9 160.0 240.0





#69

o-Xylene

Concen: 154.592 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

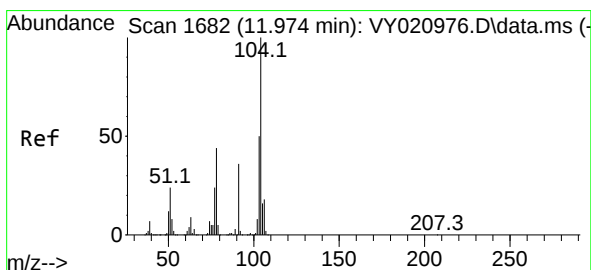
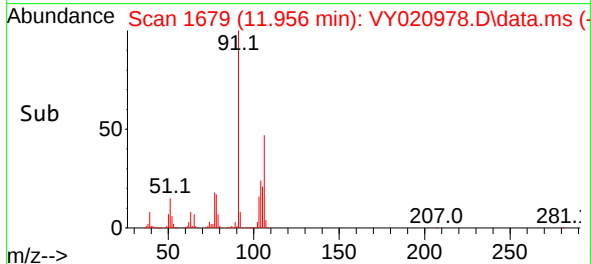
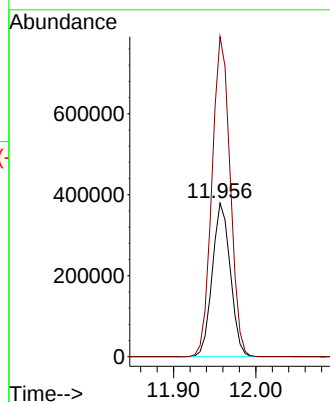
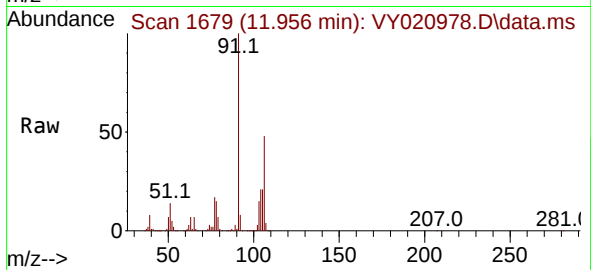
ClientSampleId :

Tgt Ion:106 Resp: 577315

Ion Ratio Lower Upper

106 100

91 210.6 105.8 317.6



#70

Styrene

Concen: 153.660 ug/l

RT: 11.975 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

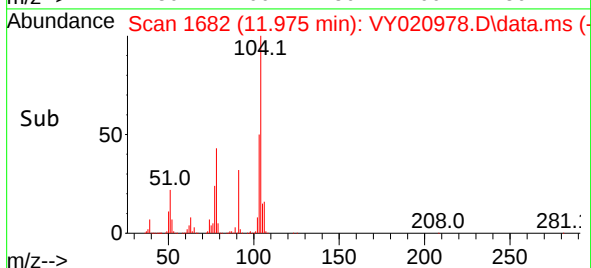
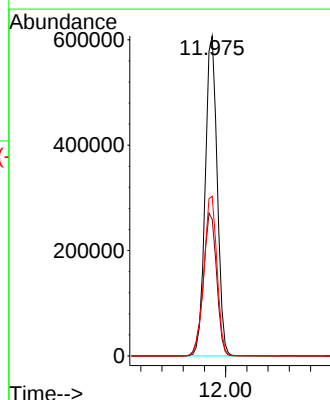
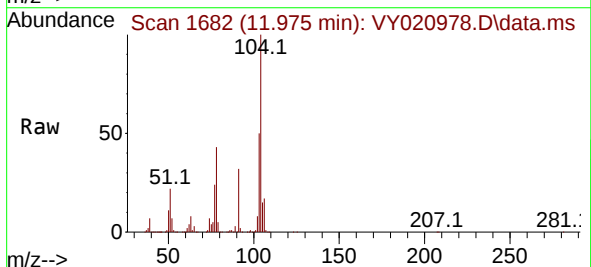
Tgt Ion:104 Resp: 952717

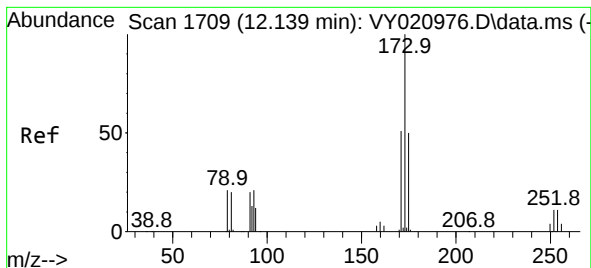
Ion Ratio Lower Upper

104 100

78 49.4 39.0 58.4

103 54.6 43.7 65.5





#71

Bromoform

Concen: 149.544 ug/l

RT: 12.139 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

ClientSampleId :

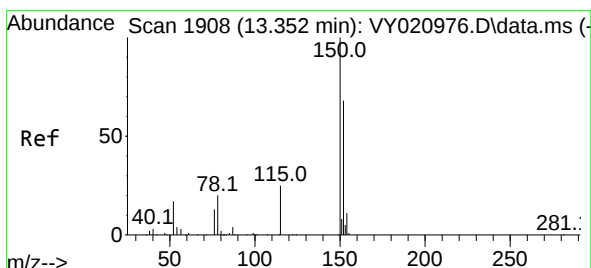
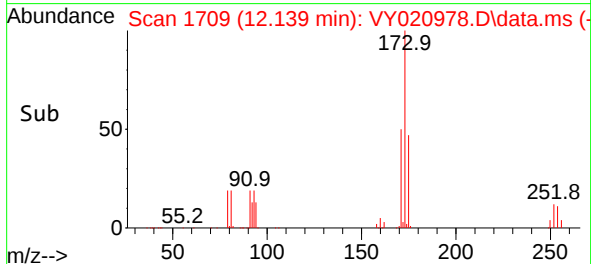
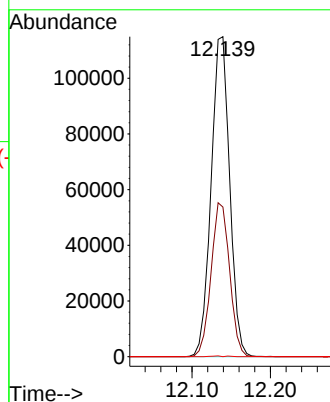
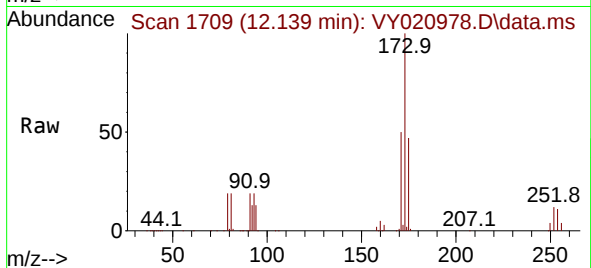
Tgt Ion:173 Resp: 188896

Ion Ratio Lower Upper

173 100

175 48.0 24.1 72.2

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

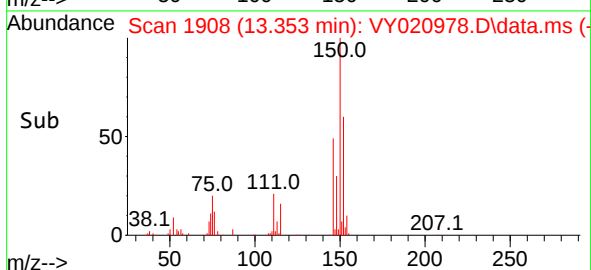
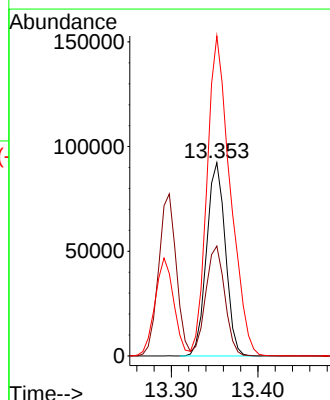
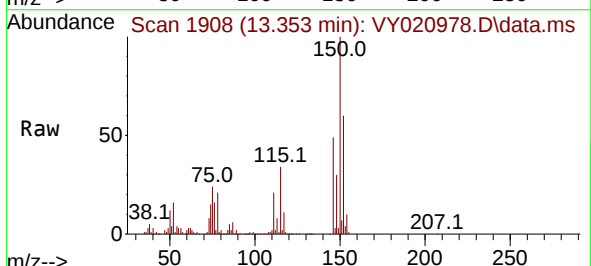
Tgt Ion:152 Resp: 139150

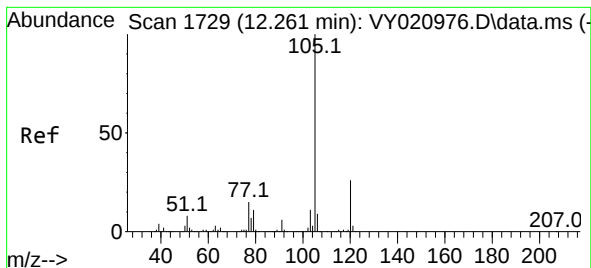
Ion Ratio Lower Upper

152 100

115 57.8 28.4 85.2

150 204.6 0.0 342.8





#73

Isopropylbenzene

Concen: 156.376 ug/l

RT: 12.261 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

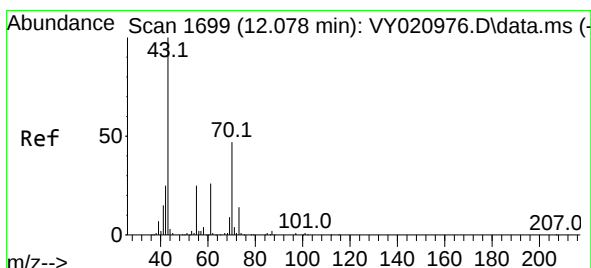
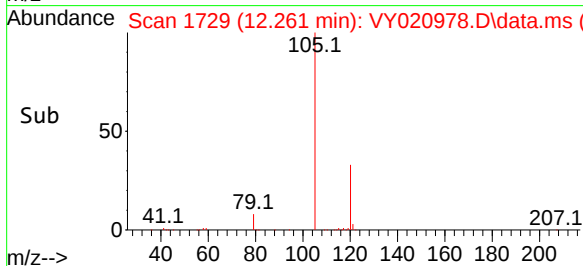
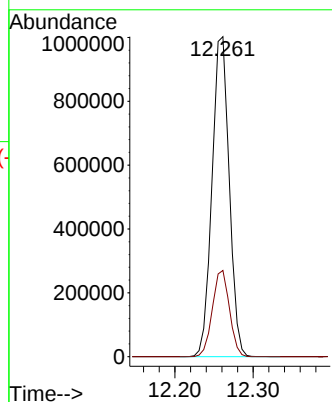
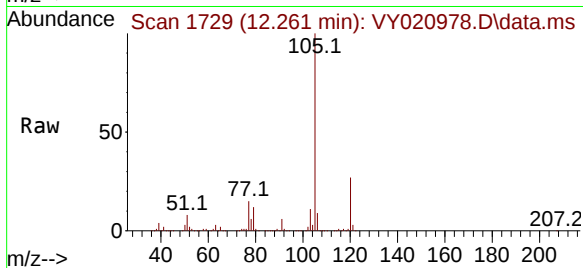
ClientSampleId :

Tgt Ion:105 Resp: 1528234

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 160.660 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. -0.006 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Tgt Ion: 43 Resp: 285905

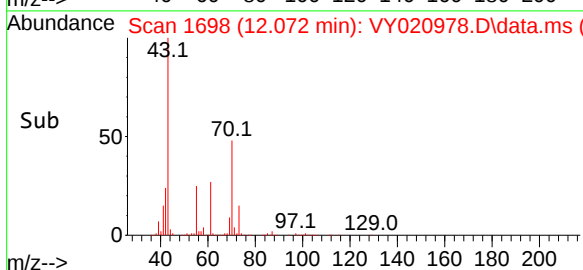
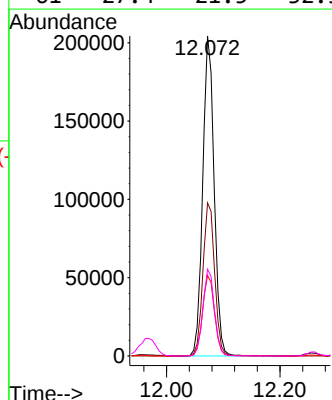
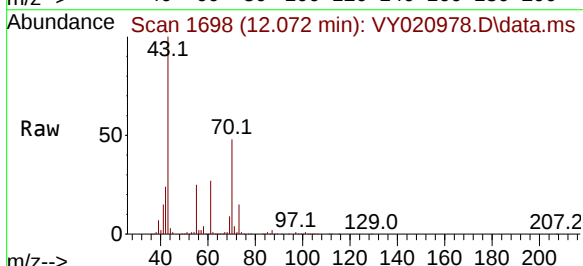
Ion Ratio Lower Upper

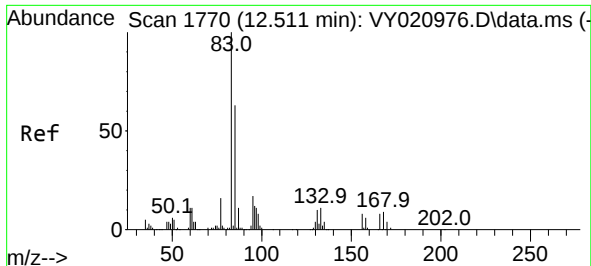
43 100

70 49.4 39.3 58.9

55 26.3 22.3 33.5

61 27.4 21.5 32.3

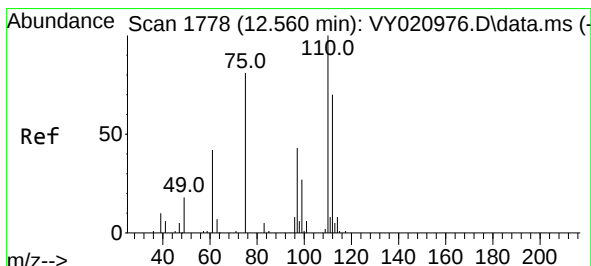
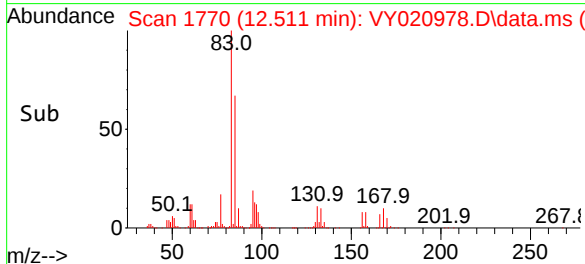
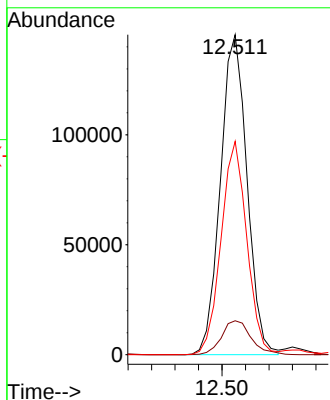
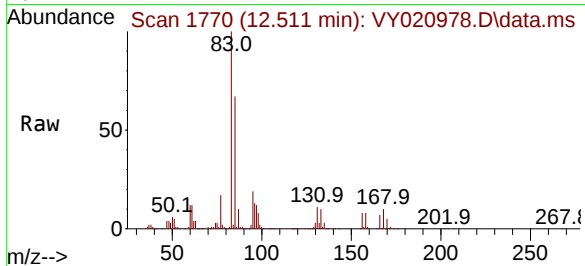




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 144.974 ug/l  
 RT: 12.511 min Scan# 1770  
 Delta R.T. 0.000 min  
 Lab File: VY020978.D  
 Acq: 30 Jan 2025 10:44

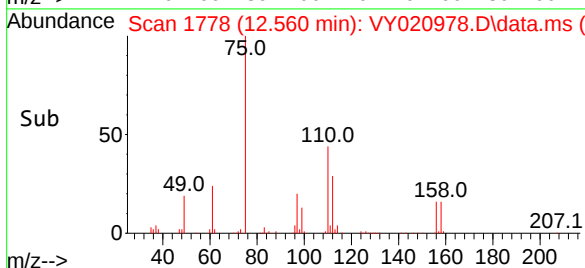
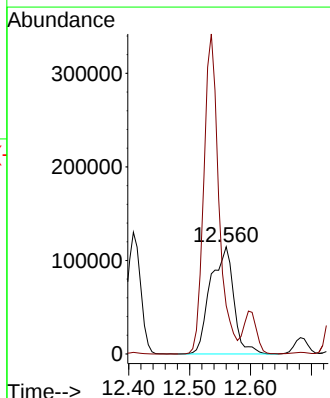
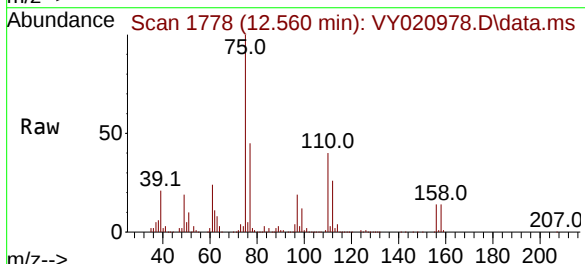
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

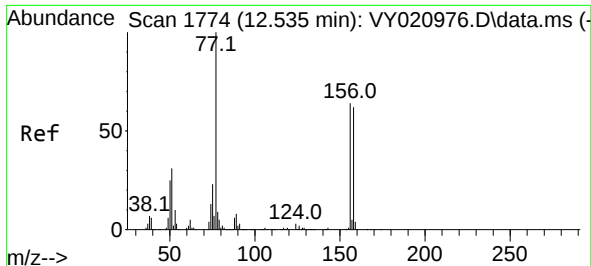
Tgt Ion: 83 Resp: 228699  
 Ion Ratio Lower Upper  
 83 100  
 131 11.8 5.7 17.1  
 85 64.6 31.9 95.9



#76  
 1,2,3-Trichloropropane  
 Concen: 270.608 ug/l  
 RT: 12.560 min Scan# 1778  
 Delta R.T. 0.000 min  
 Lab File: VY020978.D  
 Acq: 30 Jan 2025 10:44

Tgt Ion: 75 Resp: 304783  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0

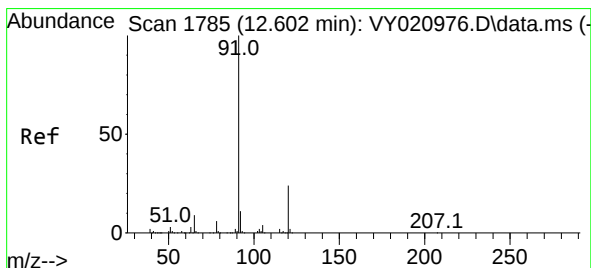
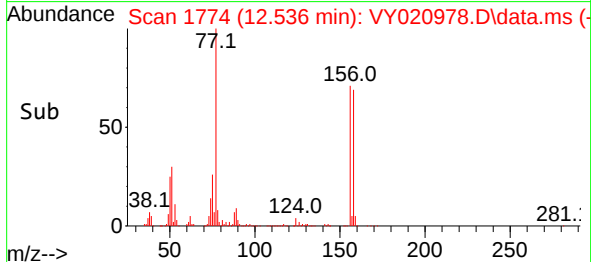
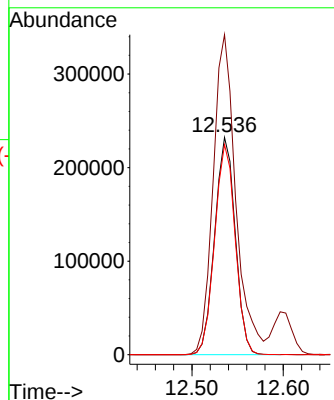
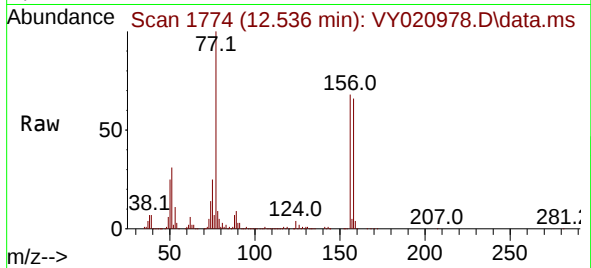




#77  
Bromobenzene  
Concen: 156.685 ug/l  
RT: 12.536 min Scan# 1774  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

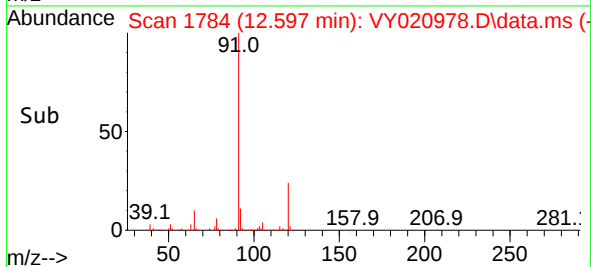
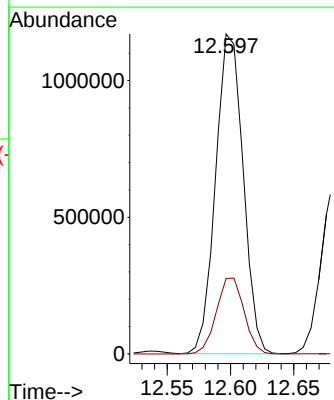
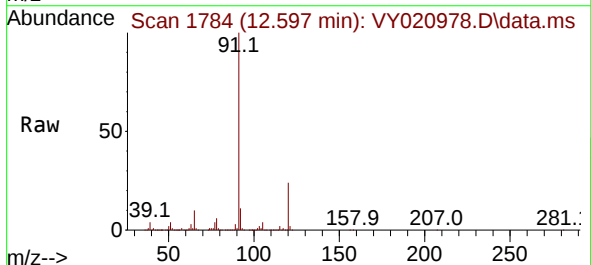
Instrument :  
MSVOA\_Y  
ClientSampleId :

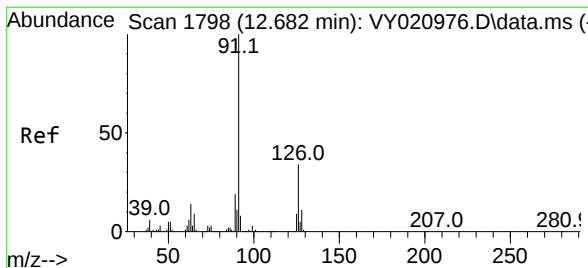
Tgt Ion:156 Resp: 363042  
Ion Ratio Lower Upper  
156 100  
77 162.4 83.3 249.9  
158 96.9 48.3 144.9



#78  
n-propylbenzene  
Concen: 154.442 ug/l  
RT: 12.597 min Scan# 1784  
Delta R.T. -0.006 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 91 Resp: 1768923  
Ion Ratio Lower Upper  
91 100  
120 23.9 11.8 35.4

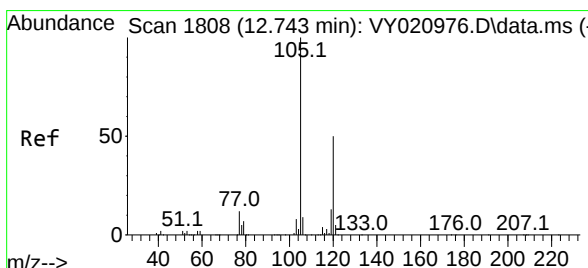
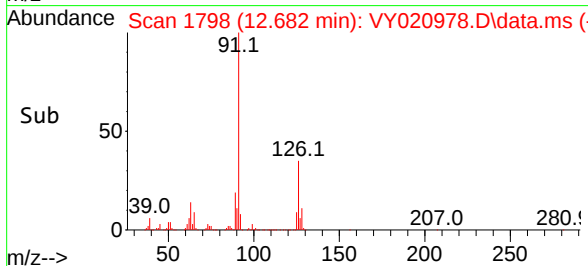
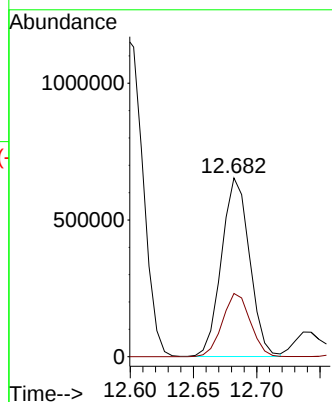
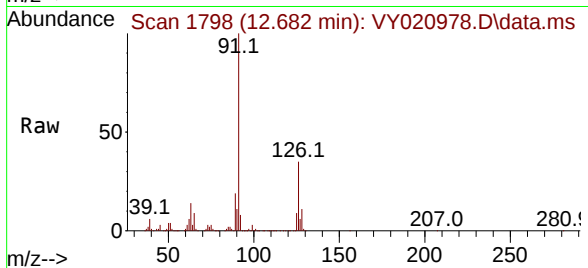




#79  
2-Chlorotoluene  
Concen: 154.422 ug/l  
RT: 12.682 min Scan# 1798  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

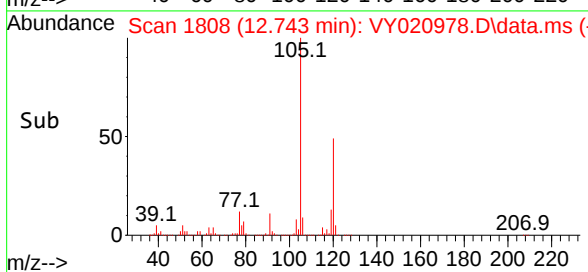
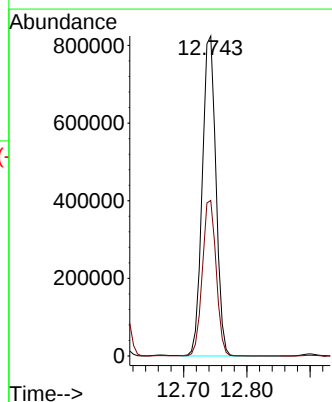
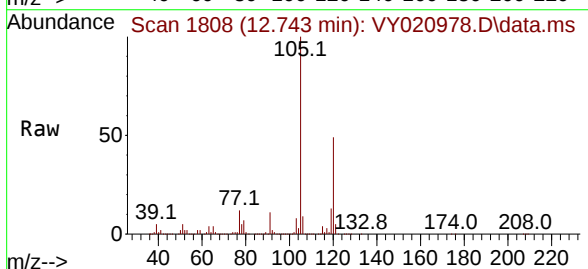
Instrument :  
MSVOA\_Y  
ClientSampleId :

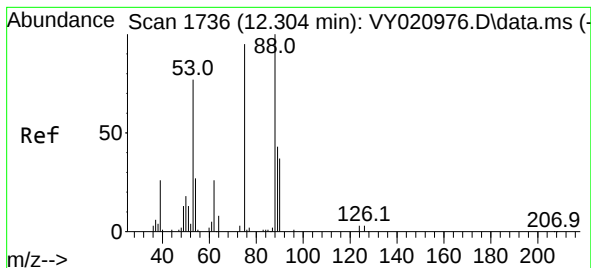
Tgt Ion: 91 Resp: 1007710  
Ion Ratio Lower Upper  
91 100  
126 35.3 17.3 51.9



#80  
1,3,5-Trimethylbenzene  
Concen: 155.041 ug/l  
RT: 12.743 min Scan# 1808  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 105 Resp: 1241344  
Ion Ratio Lower Upper  
105 100  
120 49.1 24.3 72.9

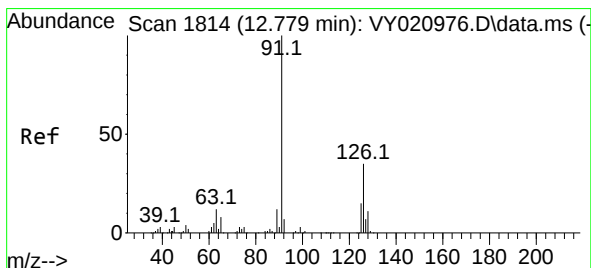
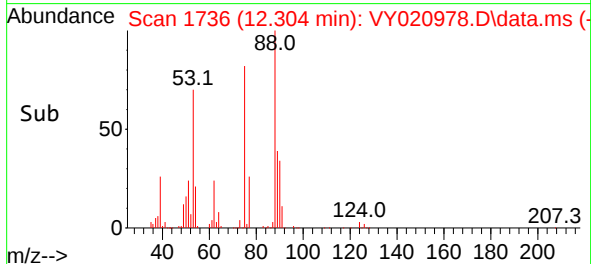
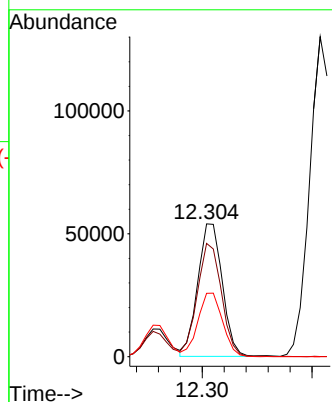
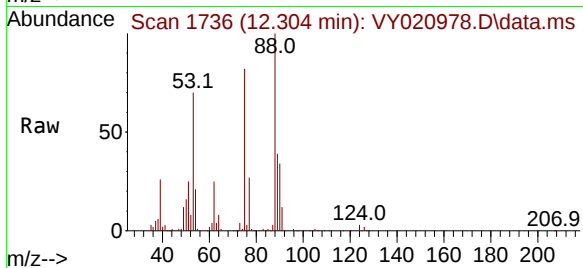




#81  
trans-1,4-Dichloro-2-butene  
Concen: 158.189 ug/l  
RT: 12.304 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

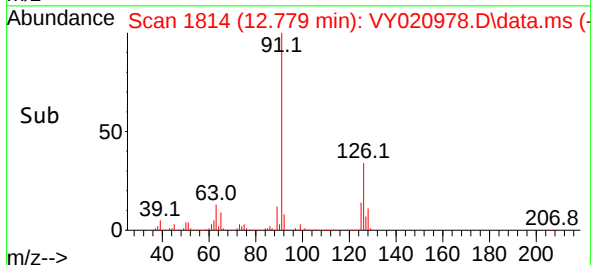
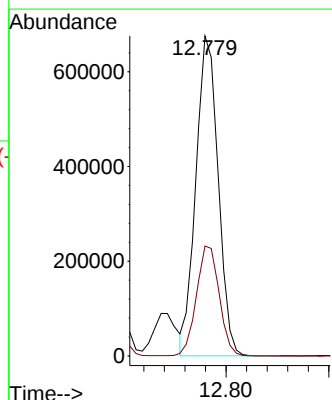
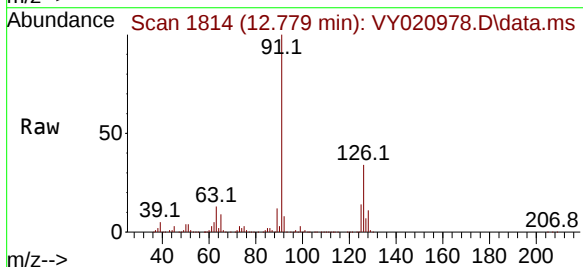
Instrument :  
MSVOA\_Y  
ClientSampleId :

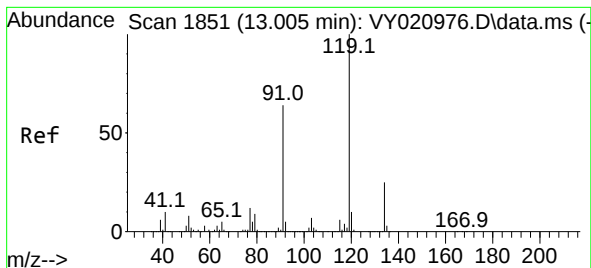
Tgt Ion: 75 Resp: 83944  
Ion Ratio Lower Upper  
75 100  
53 84.6 68.6 103.0  
89 48.4 38.1 57.1



#82  
4-Chlorotoluene  
Concen: 152.573 ug/l  
RT: 12.779 min Scan# 1814  
Delta R.T. 0.000 min  
Lab File: VY020978.D  
Acq: 30 Jan 2025 10:44

Tgt Ion: 91 Resp: 1019004  
Ion Ratio Lower Upper  
91 100  
126 35.2 17.3 52.0





#83

tert-Butylbenzene

Concen: 157.444 ug/l

RT: 12.999 min Scan# 1169146

Delta R.T. -0.006 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

ClientSampleId :

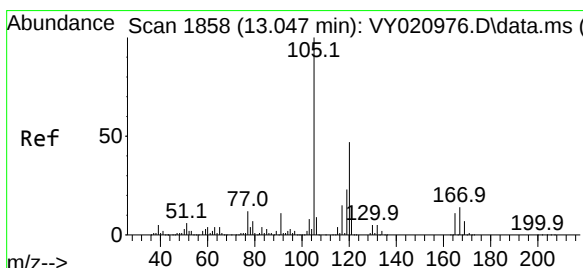
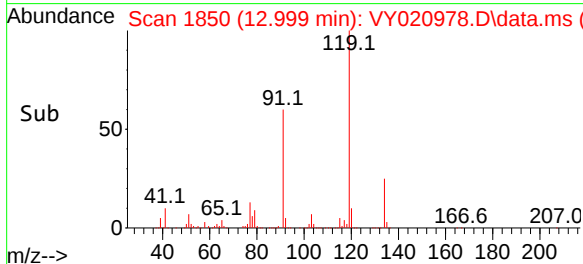
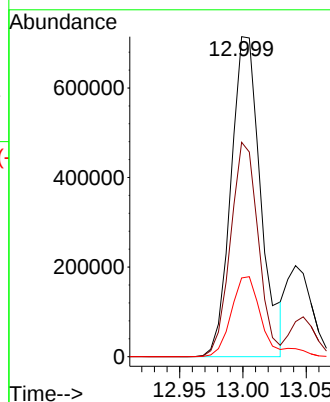
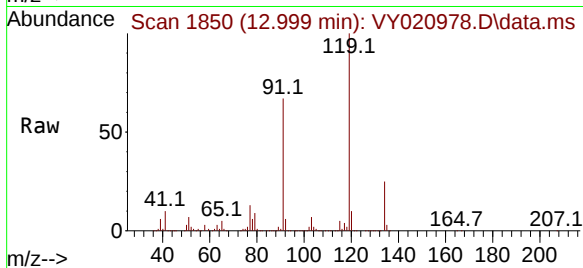
Tgt Ion:119 Resp: 1169146

Ion Ratio Lower Upper

119 100

91 62.7 31.4 94.0

134 26.1 13.1 39.1



#84

1,2,4-Trimethylbenzene

Concen: 156.313 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VY020978.D

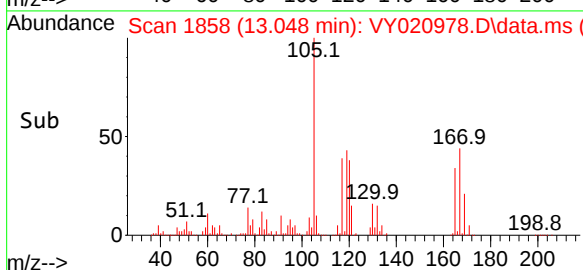
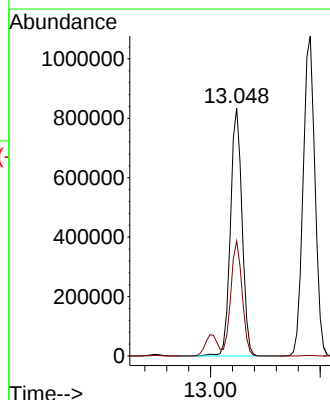
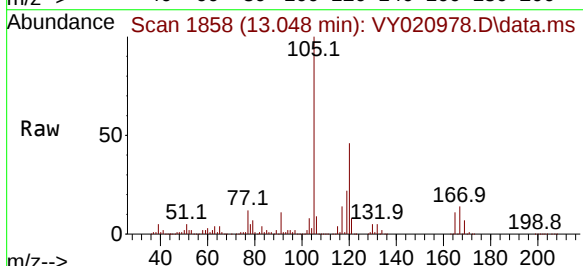
Acq: 30 Jan 2025 10:44

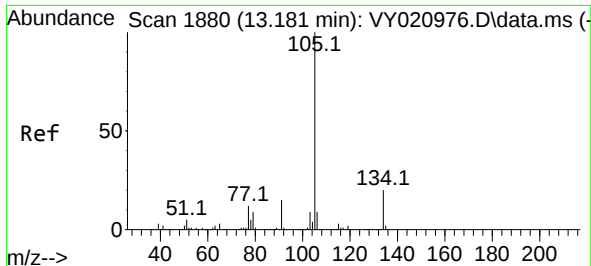
Tgt Ion:105 Resp: 1222539

Ion Ratio Lower Upper

105 100

120 45.0 22.7 68.0

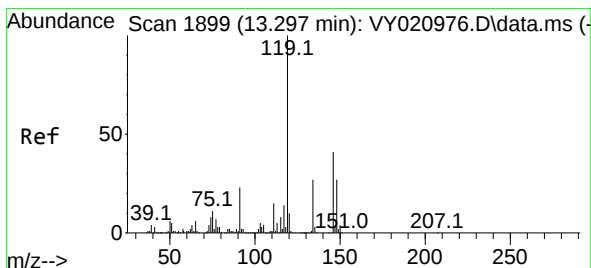
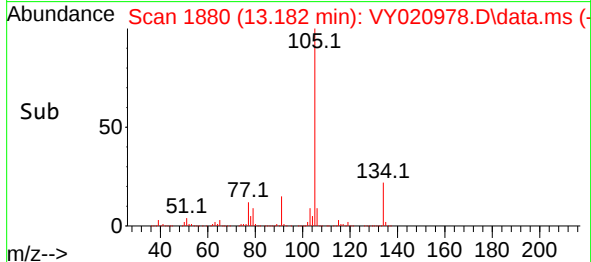
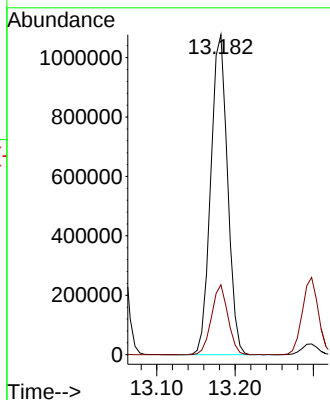
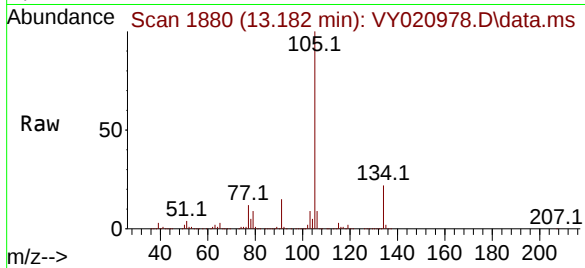




#85  
 sec-Butylbenzene  
 Concen: 152.710 ug/l  
 RT: 13.182 min Scan# 1880  
 Delta R.T. 0.000 min  
 Lab File: VY020978.D  
 Acq: 30 Jan 2025 10:44

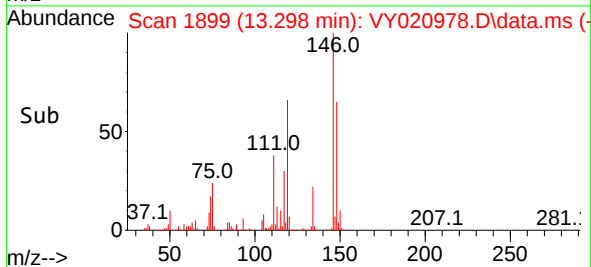
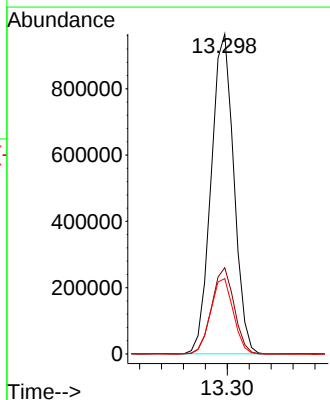
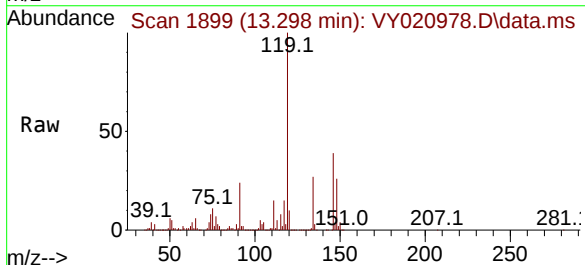
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

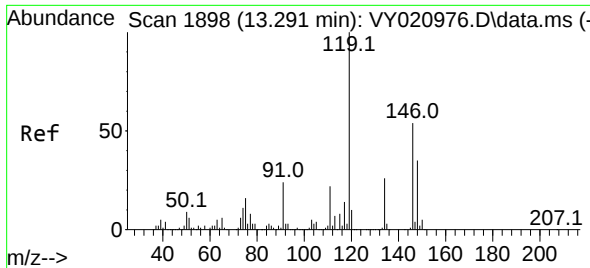
Tgt Ion:105 Resp: 1605463  
 Ion Ratio Lower Upper  
 105 100  
 134 21.3 10.3 30.8



#86  
 p-Isopropyltoluene  
 Concen: 157.070 ug/l  
 RT: 13.298 min Scan# 1899  
 Delta R.T. 0.000 min  
 Lab File: VY020978.D  
 Acq: 30 Jan 2025 10:44

Tgt Ion:119 Resp: 1387704  
 Ion Ratio Lower Upper  
 119 100  
 134 26.7 13.1 39.3  
 91 23.6 11.5 34.5

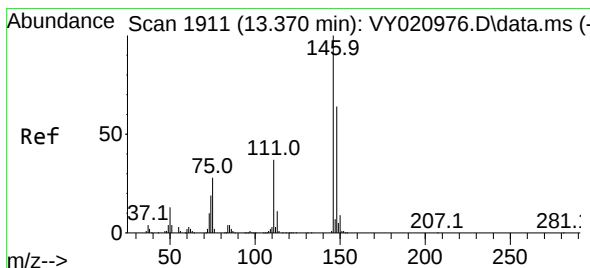
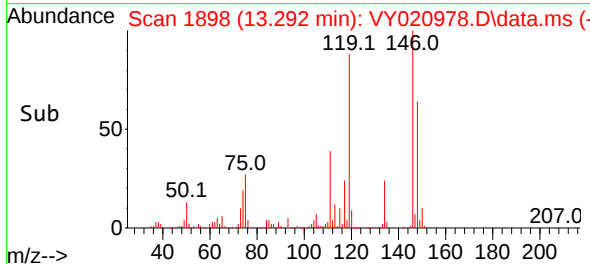
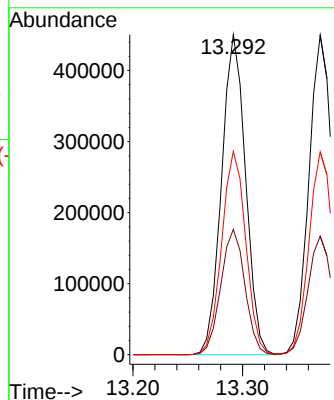
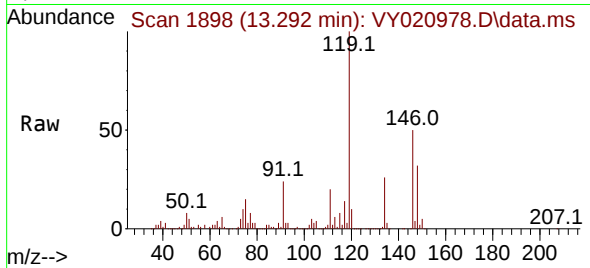




#87  
 1,3-Dichlorobenzene  
 Concen: 151.802 ug/l  
 RT: 13.292 min Scan# 1898  
 Delta R.T. 0.000 min  
 Lab File: VY020978.D  
 Acq: 30 Jan 2025 10:44

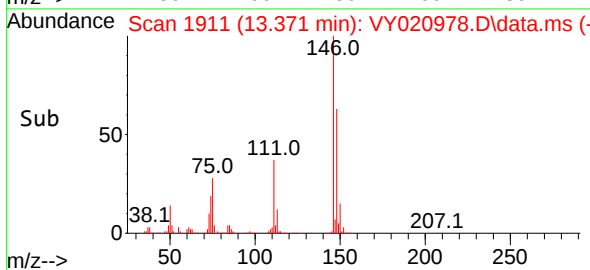
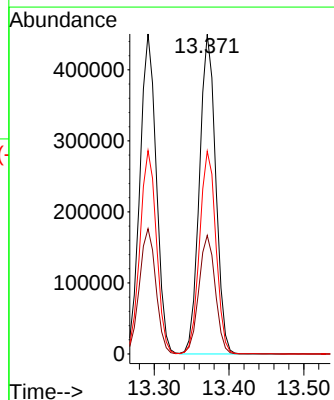
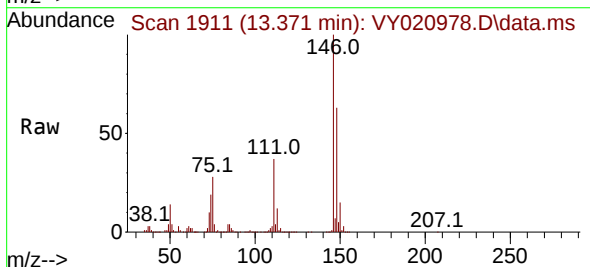
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

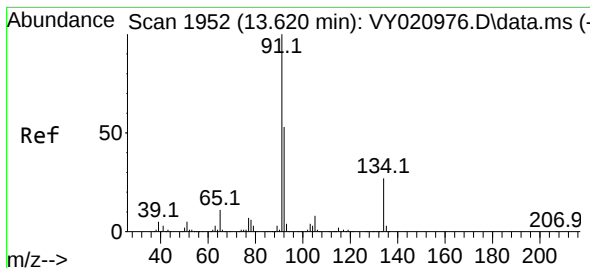
Tgt Ion:146 Resp: 685812  
 Ion Ratio Lower Upper  
 146 100  
 111 39.2 19.7 59.1  
 148 63.8 32.1 96.3



#88  
 1,4-Dichlorobenzene  
 Concen: 151.472 ug/l  
 RT: 13.371 min Scan# 1911  
 Delta R.T. 0.000 min  
 Lab File: VY020978.D  
 Acq: 30 Jan 2025 10:44

Tgt Ion:146 Resp: 679536  
 Ion Ratio Lower Upper  
 146 100  
 111 37.4 19.0 57.0  
 148 63.8 31.6 95.0





#89

n-Butylbenzene

Concen: 157.403 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

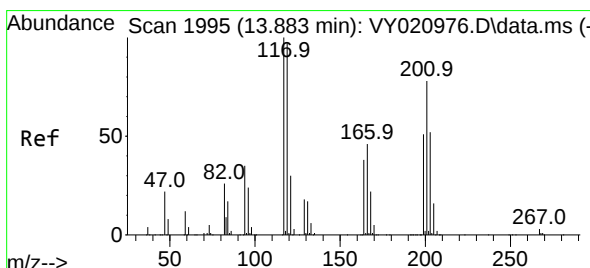
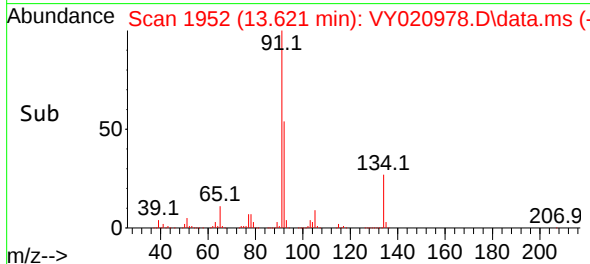
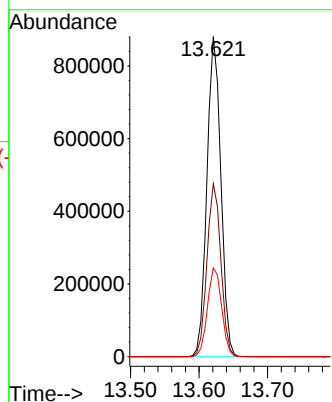
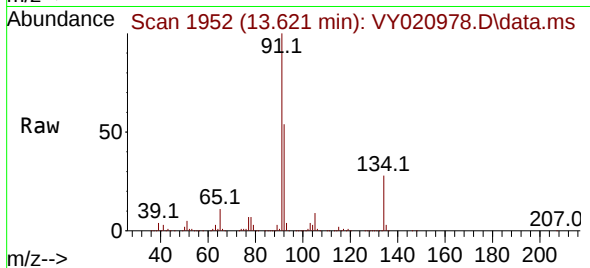
Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 91 Resp: 1245607

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 54.0  | 26.7  | 80.1  |
| 134 | 28.3  | 13.7  | 41.1  |



#90

Hexachloroethane

Concen: 156.784 ug/l

RT: 13.883 min Scan# 1995

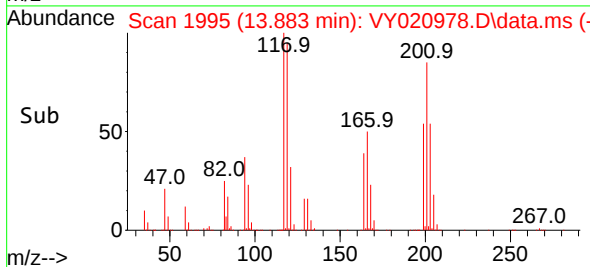
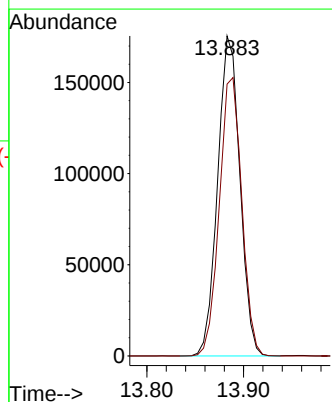
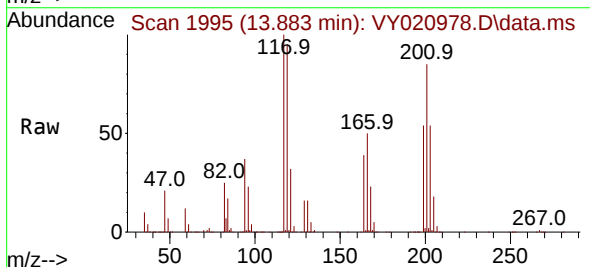
Delta R.T. 0.000 min

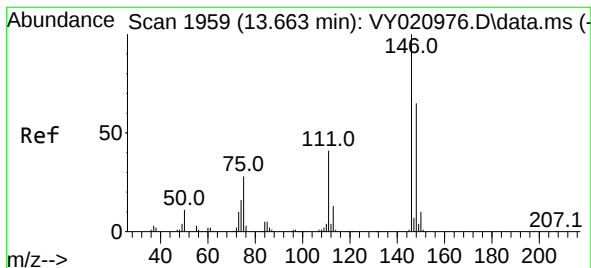
Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Tgt Ion: 117 Resp: 280233

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 87.7  | 42.5  | 127.5 |





#91

1,2-Dichlorobenzene

Concen: 152.742 ug/l

RT: 13.663 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

ClientSampleId :

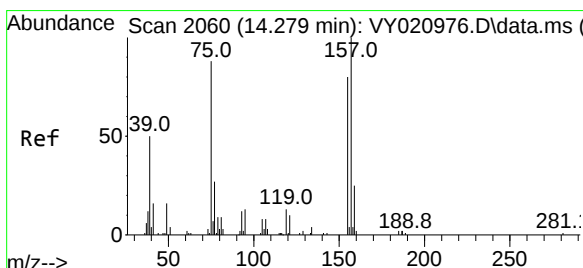
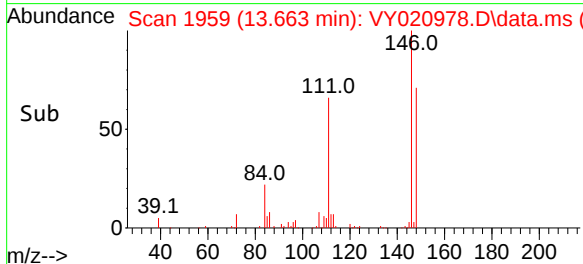
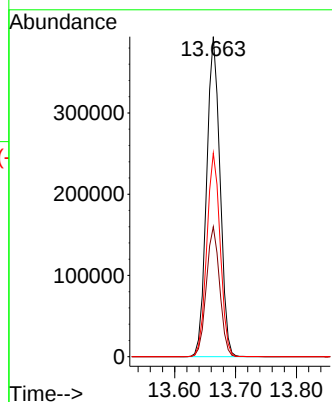
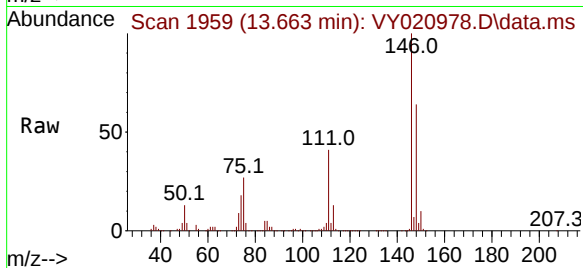
Tgt Ion:146 Resp: 601761

Ion Ratio Lower Upper

146 100

111 40.4 20.3 60.8

148 63.5 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 159.066 ug/l

RT: 14.279 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

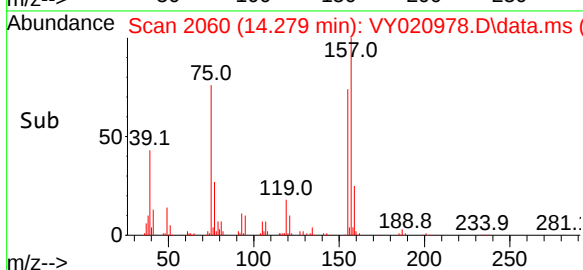
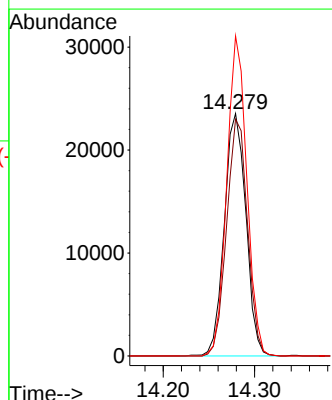
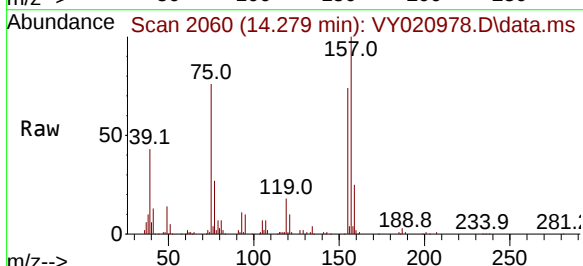
Tgt Ion: 75 Resp: 38632

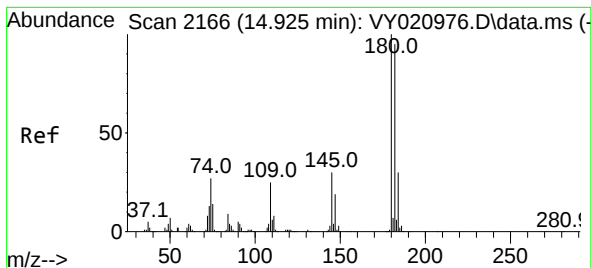
Ion Ratio Lower Upper

75 100

155 94.6 45.9 137.6

157 122.2 59.3 177.9





#93

1,2,4-Trichlorobenzene

Concen: 179.645 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

ClientSampleId :

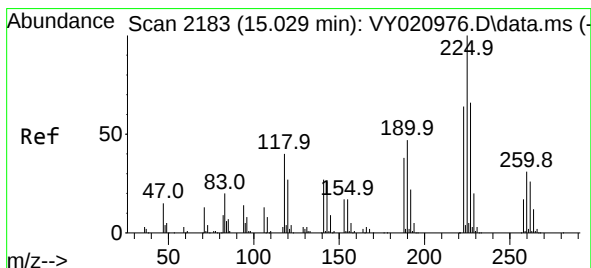
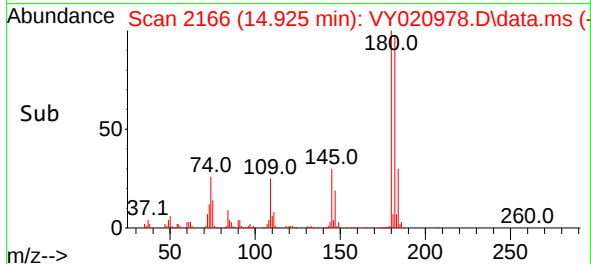
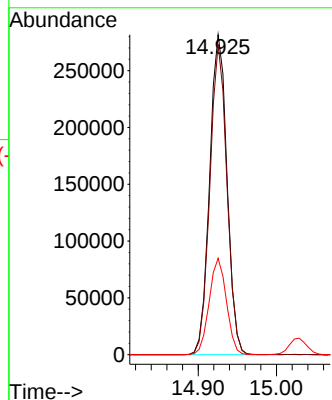
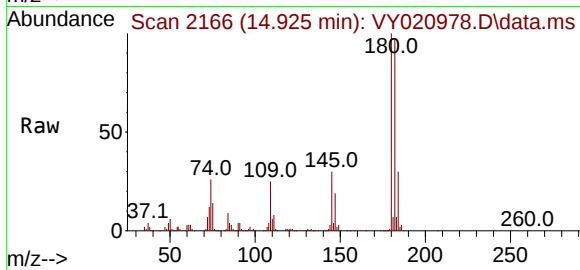
Tgt Ion:180 Resp: 433346

Ion Ratio Lower Upper

180 100

182 94.9 48.3 144.8

145 29.9 15.3 45.8



#94

Hexachlorobutadiene

Concen: 167.199 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

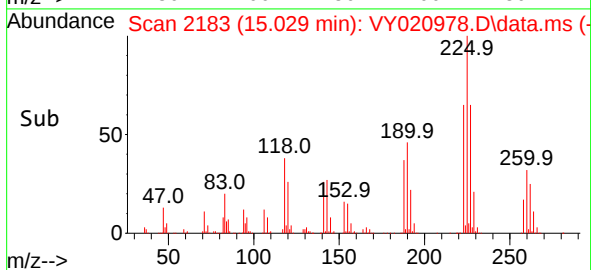
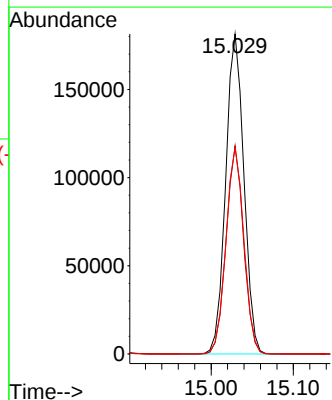
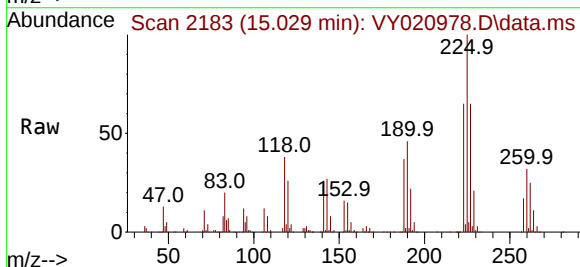
Tgt Ion:225 Resp: 279340

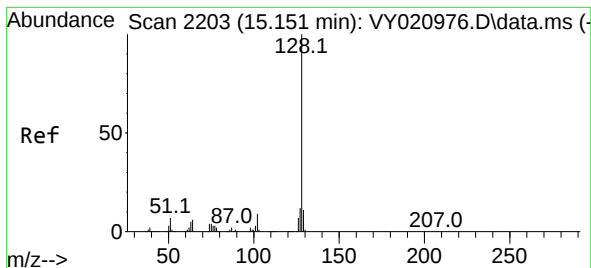
Ion Ratio Lower Upper

225 100

223 62.8 31.4 94.2

227 63.6 31.8 95.3





#95

Naphthalene

Concen: 148.257 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. -0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA\_Y

ClientSampleId :

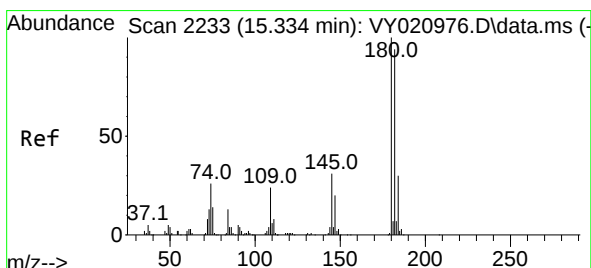
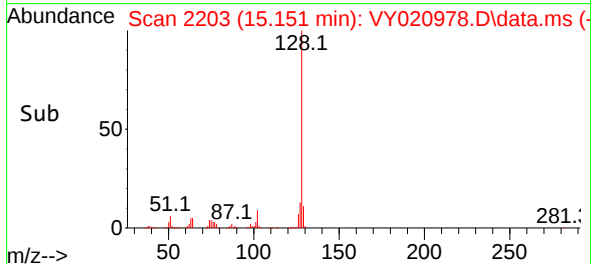
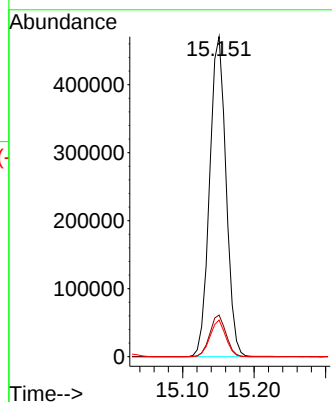
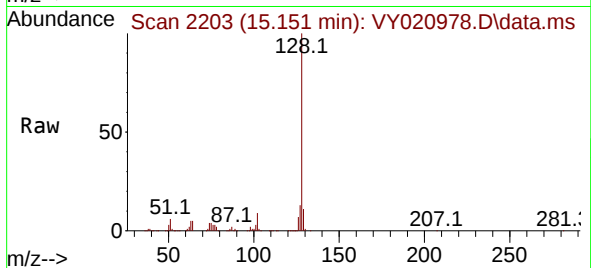
Tgt Ion:128 Resp: 749936

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.0 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 150.625 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY020978.D

Acq: 30 Jan 2025 10:44

Tgt Ion:180 Resp: 374094

Ion Ratio Lower Upper

180 100

182 95.4 47.7 143.1

145 31.6 15.6 46.7

