

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112423\  
 Data File : VY016477.D  
 Acq On : 24 Nov 2023 11:53  
 Operator : SY/MD  
 Sample : VY1124SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 27 04:43:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 159859   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 248143   | 50.000 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 217091   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 105521   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 70463    | 48.228   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 96.460%  |
| 35) Dibromofluoromethane    | 7.722  | 113   | 79952    | 56.719   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 113.440% |
| 50) Toluene-d8              | 10.185 | 98    | 298606   | 52.238   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 104.480% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 100076   | 53.904   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 107.800% |

|                              |       |     |        |         |        |    |
|------------------------------|-------|-----|--------|---------|--------|----|
| Target Compounds             |       |     |        |         | Qvalue |    |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 34736  | 22.191  | ug/l   | 97 |
| 3) Chloromethane             | 2.113 | 50  | 34735  | 18.948  | ug/l   | 95 |
| 4) Vinyl Chloride            | 2.253 | 62  | 38046  | 19.301  | ug/l   | 94 |
| 5) Bromomethane              | 2.650 | 94  | 25700  | 19.838  | ug/l   | 93 |
| 6) Chloroethane              | 2.796 | 64  | 23759  | 18.889  | ug/l   | 97 |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 62581  | 21.821  | ug/l   | 99 |
| 8) Diethyl Ether             | 3.527 | 74  | 16823  | 19.627  | ug/l   | 80 |
| 9) 1,1,2-Trichlorotrifluo... | 3.899 | 101 | 35002  | 20.263  | ug/l   | 98 |
| 10) Methyl Iodide            | 4.094 | 142 | 40698  | 21.815  | ug/l   | 98 |
| 11) Tert butyl alcohol       | 4.954 | 59  | 10127  | 88.514  | ug/l # | 84 |
| 12) 1,1-Dichloroethene       | 3.869 | 96  | 32874  | 20.350  | ug/l   | 85 |
| 13) Acrolein                 | 3.735 | 56  | 8913   | 64.587  | ug/l   | 99 |
| 14) Allyl chloride           | 4.485 | 41  | 40204  | 17.538  | ug/l # | 89 |
| 15) Acrylonitrile            | 5.161 | 53  | 31195  | 91.707  | ug/l   | 97 |
| 16) Acetone                  | 3.948 | 43  | 29882  | 123.645 | ug/l   | 90 |
| 17) Carbon Disulfide         | 4.198 | 76  | 100442 | 20.607  | ug/l   | 99 |
| 18) Methyl Acetate           | 4.479 | 43  | 21572  | 16.798  | ug/l # | 83 |
| 19) Methyl tert-butyl Ether  | 5.222 | 73  | 73768  | 18.867  | ug/l   | 98 |
| 20) Methylene Chloride       | 4.722 | 84  | 41457  | 22.358  | ug/l # | 81 |
| 21) trans-1,2-Dichloroethene | 5.228 | 96  | 37808  | 20.327  | ug/l   | 88 |
| 22) Diisopropyl ether        | 6.118 | 45  | 86254  | 17.459  | ug/l # | 88 |
| 23) Vinyl Acetate            | 6.064 | 43  | 204308 | 85.347  | ug/l # | 88 |
| 24) 1,1-Dichloroethane       | 6.021 | 63  | 59245  | 19.438  | ug/l # | 95 |
| 25) 2-Butanone               | 6.984 | 43  | 42657  | 100.771 | ug/l # | 85 |
| 26) 2,2-Dichloropropane      | 6.990 | 77  | 55916  | 20.158  | ug/l   | 96 |
| 27) cis-1,2-Dichloroethene   | 6.990 | 96  | 40729  | 20.319  | ug/l   | 86 |
| 28) Bromochloromethane       | 7.338 | 49  | 20273  | 17.972  | ug/l # | 71 |
| 29) Tetrahydrofuran          | 7.350 | 42  | 23645  | 84.509  | ug/l # | 81 |
| 30) Chloroform               | 7.515 | 83  | 64097  | 20.204  | ug/l   | 98 |
| 31) Cyclohexane              | 7.789 | 56  | 52656  | 18.305  | ug/l # | 79 |
| 32) 1,1,1-Trichloroethane    | 7.704 | 97  | 60806  | 20.909  | ug/l   | 95 |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 50636  | 20.688  | ug/l   | 98 |
| 37) Ethyl Acetate            | 7.076 | 43  | 17168  | 17.359  | ug/l # | 89 |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 56487  | 22.236  | ug/l   | 96 |
| 39) Methylcyclohexane        | 9.185 | 83  | 61849  | 20.279  | ug/l   | 90 |
| 40) Benzene                  | 8.167 | 78  | 142651 | 20.744  | ug/l   | 99 |

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 Operator : SY/MD  
 Sample : VY1124SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 27 04:43:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 8932     | 17.912  | ug/l # | 88       |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 36549    | 20.512  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 32735    | 17.124  | ug/l # | 83       |
| 44) Trichloroethene           | 8.947  | 130  | 43154    | 21.835  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 33323    | 20.177  | ug/l   | 98       |
| 46) Dibromomethane            | 9.307  | 93   | 18794    | 21.000  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.502  | 83   | 48737    | 21.182  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.295  | 41   | 17151    | 16.234  | ug/l # | 75       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 3725     | 392.050 | ug/l # | 60       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 83001    | 85.861  | ug/l # | 84       |
| 52) Toluene                   | 10.246 | 92   | 92702    | 21.326  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 45251    | 20.287  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 54242    | 20.360  | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 26385    | 21.390  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 23329    | 20.035  | ug/l # | 75       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 42669    | 20.293  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 72479    | 91.797  | ug/l # | 89       |
| 59) 2-Hexanone                | 10.837 | 43   | 69813    | 97.091  | ug/l   | 82       |
| 60) Dibromochloromethane      | 10.990 | 129  | 34427    | 22.316  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 25352    | 21.573  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.721 | 164  | 43558    | 22.346  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.520 | 112  | 98643    | 21.268  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 38124    | 22.285  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.599 | 91   | 174930   | 20.986  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.709 | 106  | 135556   | 42.875  | ug/l   | 94       |
| 69) o-Xylene                  | 12.032 | 106  | 63220    | 21.537  | ug/l   | 95       |
| 70) Styrene                   | 12.050 | 104  | 91458    | 21.759  | ug/l   | 96       |
| 71) Bromoform                 | 12.215 | 173  | 20110    | 22.655  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.337 | 105  | 172226   | 20.155  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.148 | 43   | 27575    | 16.066  | ug/l # | 81       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 26670    | 19.451  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 35067    | 34.643  | ug/l # | 100      |
| 77) Bromobenzene              | 12.617 | 156  | 40505    | 20.973  | ug/l   | 90       |
| 78) n-propylbenzene           | 12.678 | 91   | 201864   | 19.990  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 111507   | 20.037  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.818 | 105  | 141831   | 20.587  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 9114     | 19.543  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 117039   | 20.353  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.081 | 119  | 124268   | 20.479  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 139722   | 20.597  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 177135   | 20.433  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 156266   | 20.934  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 78372    | 21.093  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.453 | 146  | 76915    | 21.182  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.702 | 91   | 138768   | 20.129  | ug/l   | 97       |
| 90) Hexachloroethane          | 13.965 | 117  | 29340    | 20.375  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 67323    | 21.145  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 4078     | 18.694  | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 41013    | 22.069  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 24625    | 23.129  | ug/l   | 97       |
| 95) Naphthalene               | 15.239 | 128  | 67771    | 20.390  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 32712    | 21.281  | ug/l   | 99       |

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Acq On : 24 Nov 2023 11:53  
Operator : SY/MD  
Sample : VY1124SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Nov 27 04:43:37 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:45:52 2023  
Response via : Initial Calibration

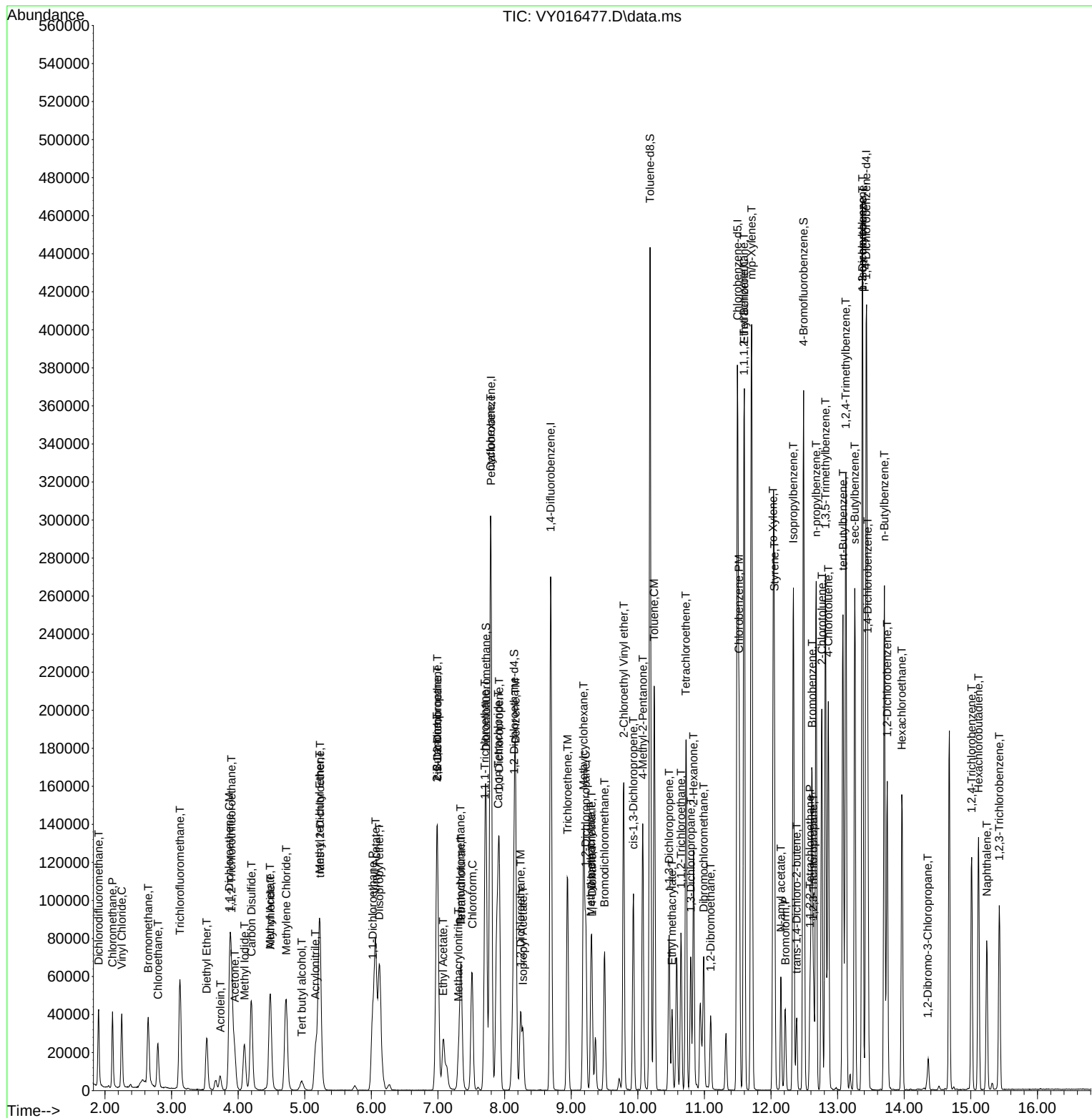
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

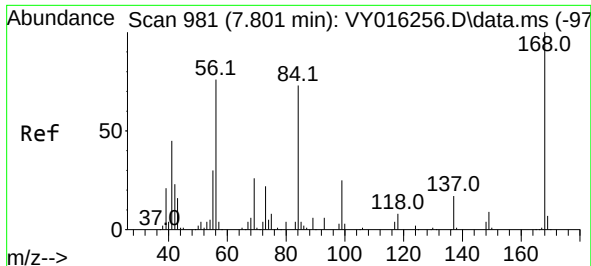
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112423\  
 Data File : VY016477.D  
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 Operator : SY/MD  
 Sample : VY1124SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/soil  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 27 04:43:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

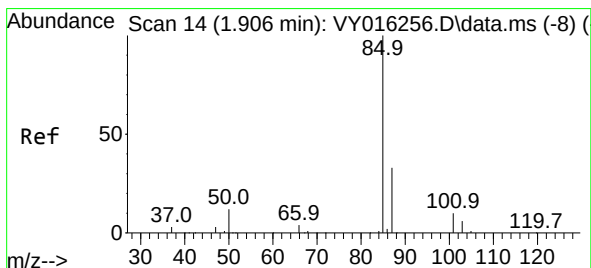
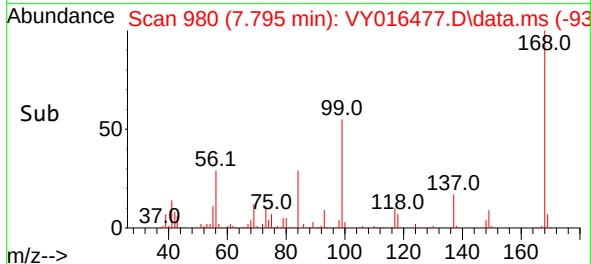
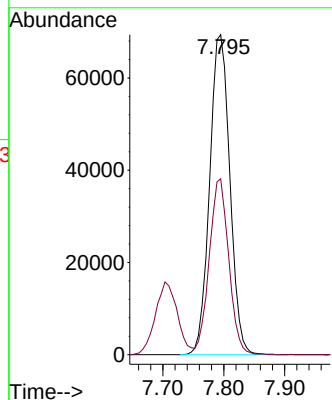
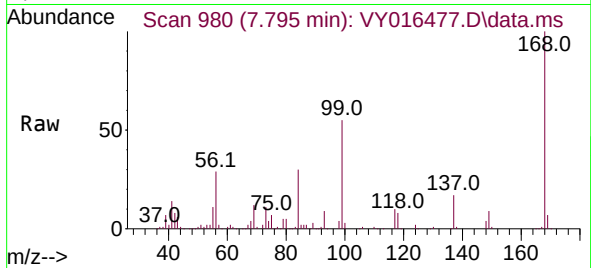




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 99  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

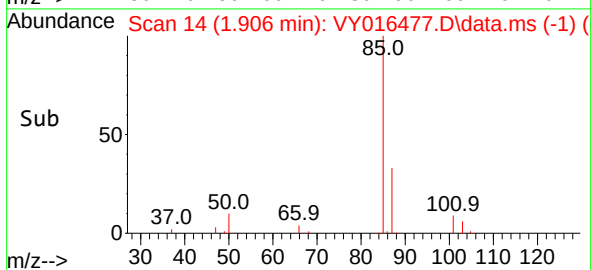
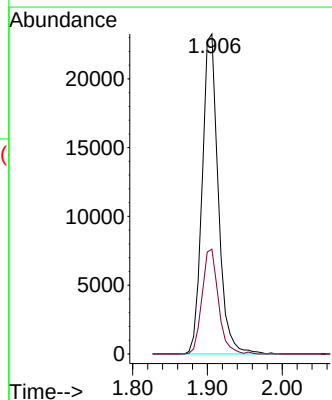
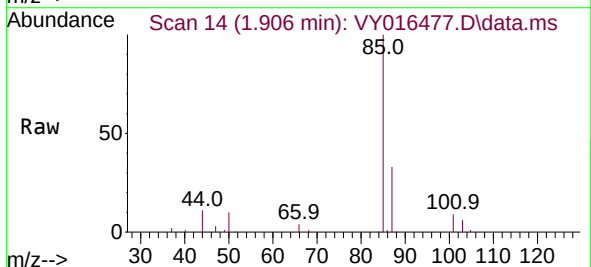
Instrument :  
MSVOA\_Y  
ClientSampleId :

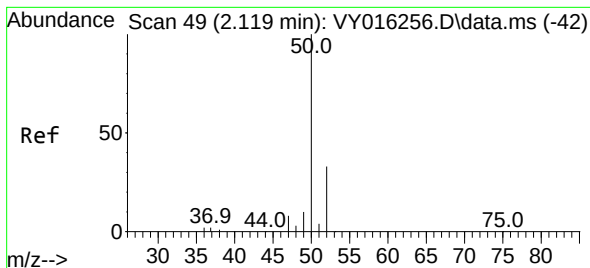
Tgt Ion:168 Resp: 159859  
Ion Ratio Lower Upper  
168 100  
99 55.0 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 22.191 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 85 Resp: 34736  
Ion Ratio Lower Upper  
85 100  
87 32.7 15.6 46.8





#3

Chloromethane

Concen: 18.948 ug/l

RT: 2.113 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

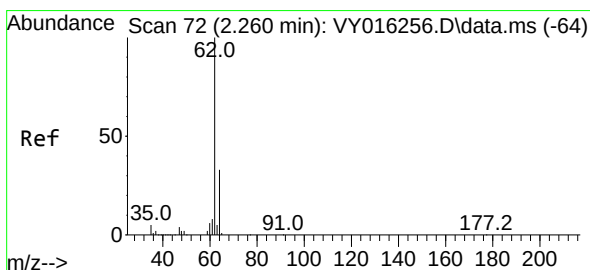
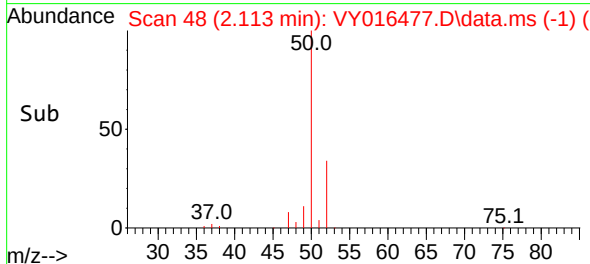
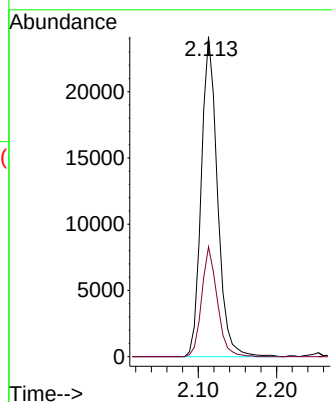
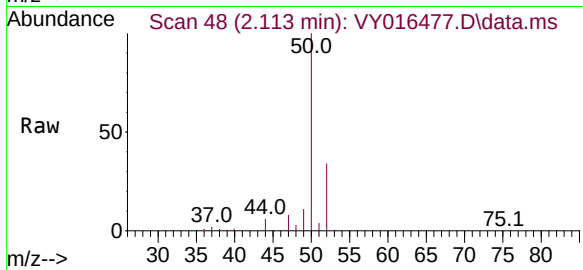
ClientSampleId :

Tgt Ion: 50 Resp: 34735

Ion Ratio Lower Upper

50 100

52 34.4 25.4 38.2



#4

Vinyl Chloride

Concen: 19.301 ug/l

RT: 2.253 min Scan# 71

Delta R.T. -0.006 min

Lab File: VY016477.D

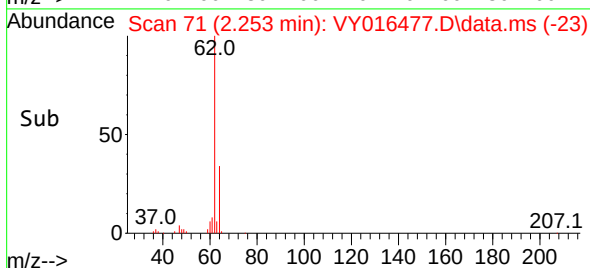
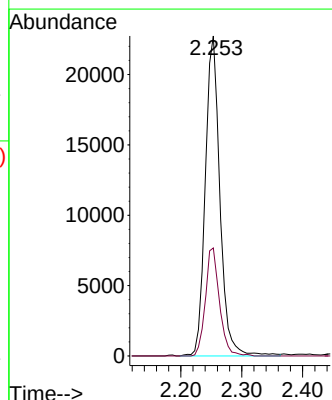
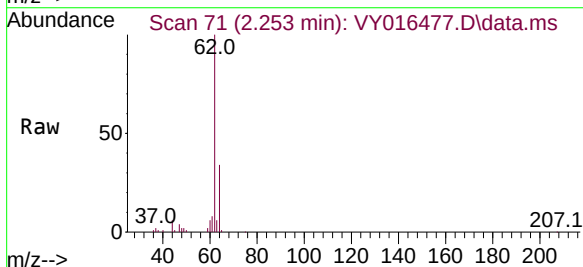
Acq: 24 Nov 2023 11:53

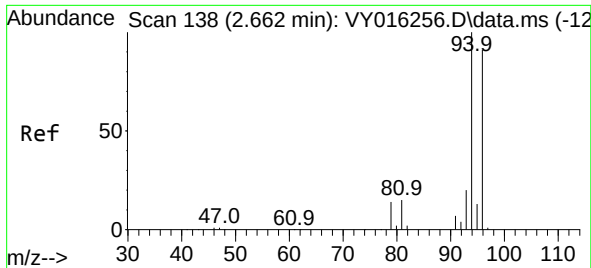
Tgt Ion: 62 Resp: 38046

Ion Ratio Lower Upper

62 100

64 33.8 24.3 36.5

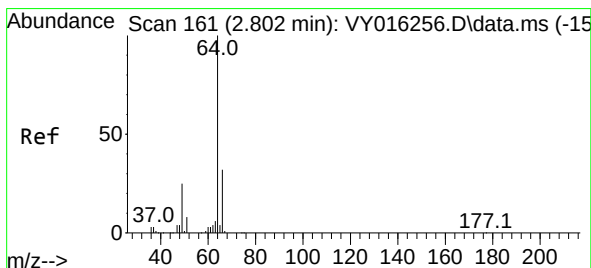
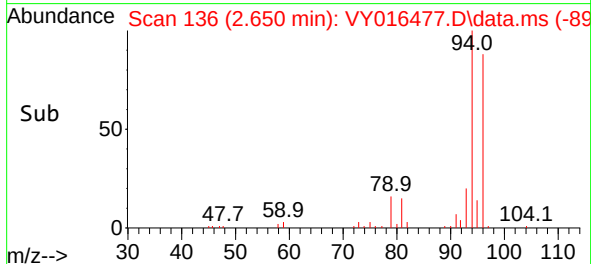
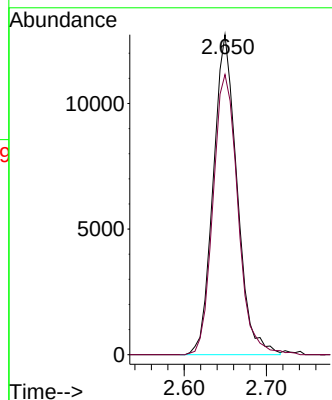
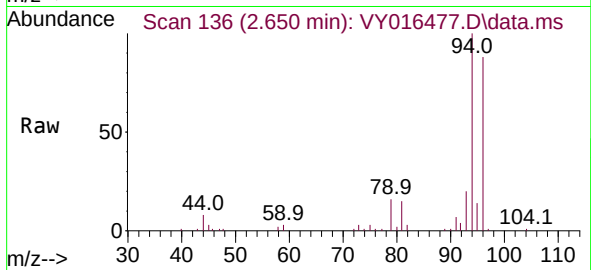




#5  
Bromomethane  
Concen: 19.838 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

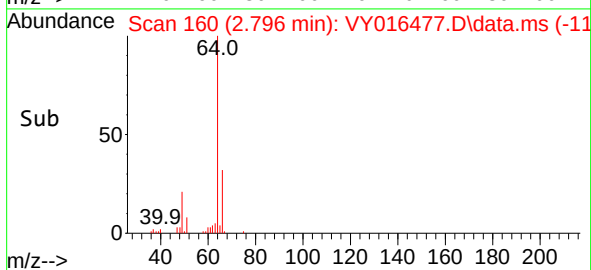
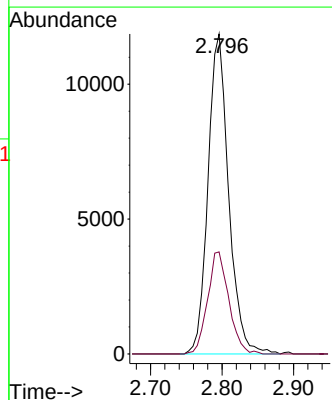
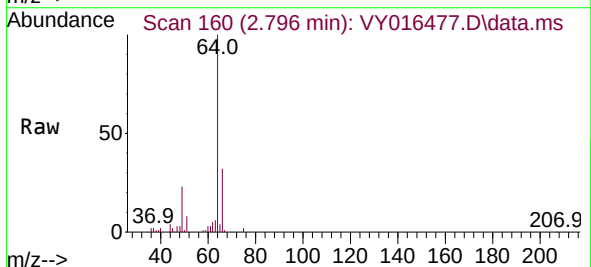
Instrument :  
MSVOA\_Y  
ClientSampleId :

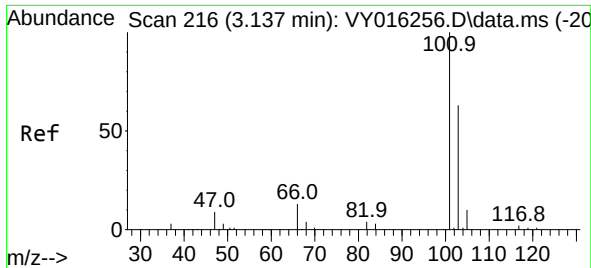
Tgt Ion: 94 Resp: 25700  
Ion Ratio Lower Upper  
94 100  
96 87.6 75.8 113.6



#6  
Chloroethane  
Concen: 18.889 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 64 Resp: 23759  
Ion Ratio Lower Upper  
64 100  
66 31.9 24.4 36.6

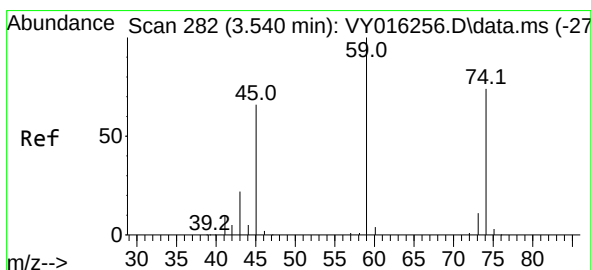
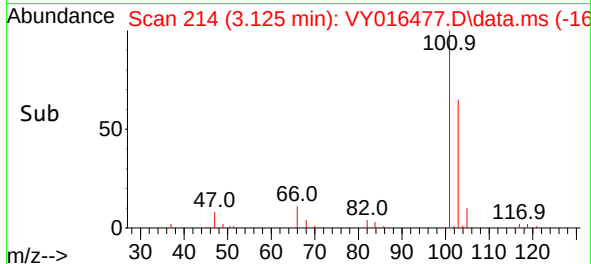
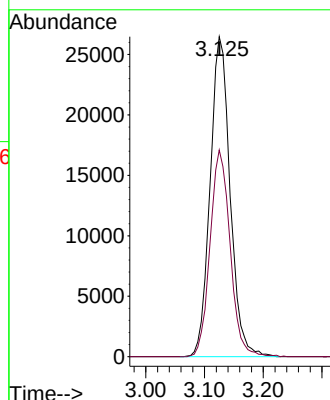
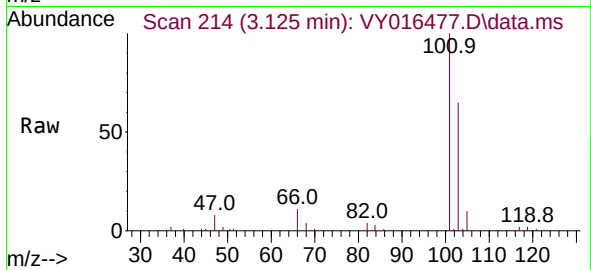




#7  
Trichlorofluoromethane  
Concen: 21.821 ug/l  
RT: 3.125 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

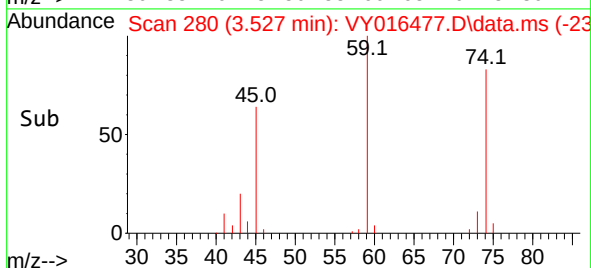
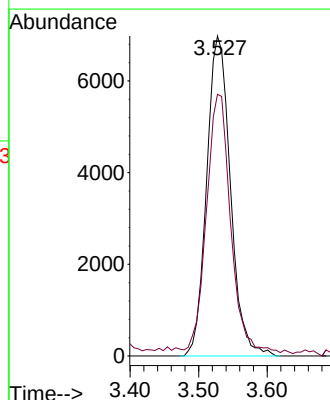
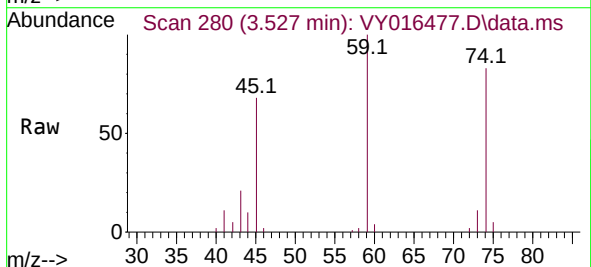
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:101 Resp: 62581  
Ion Ratio Lower Upper  
101 100  
103 64.6 51.4 77.0

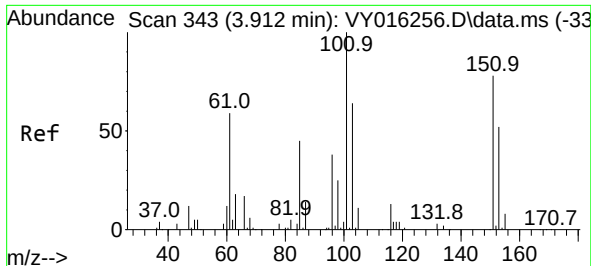


#8  
Diethyl Ether  
Concen: 19.627 ug/l  
RT: 3.527 min Scan# 280  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 74 Resp: 16823  
Ion Ratio Lower Upper  
74 100  
45 82.6 51.5 154.5



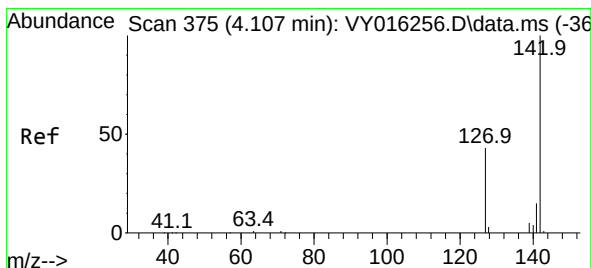
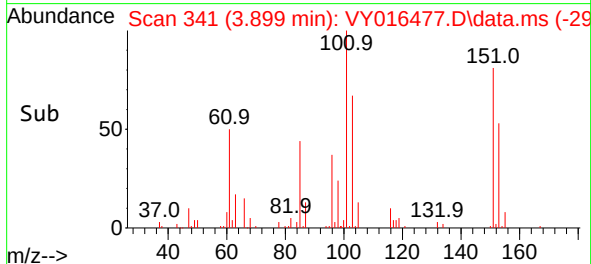
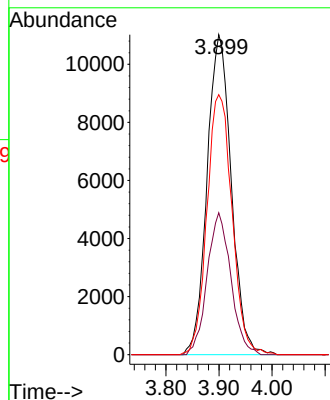
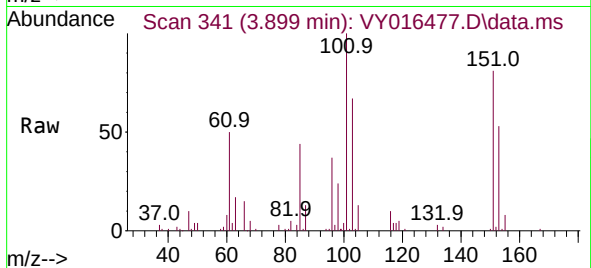




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.263 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

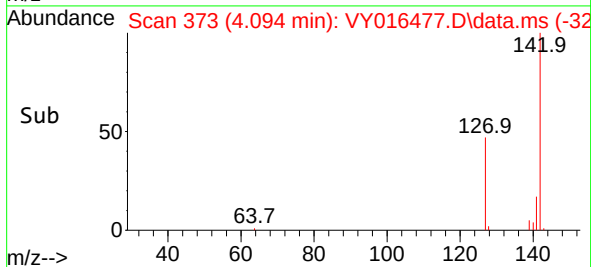
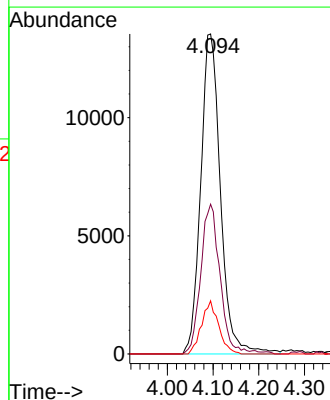
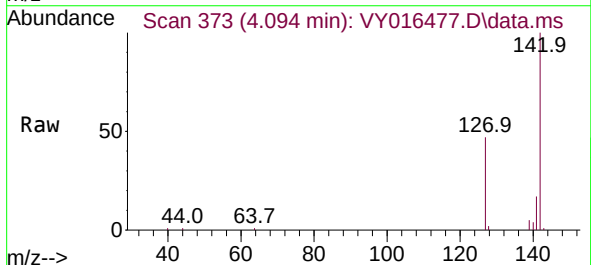
Instrument :  
MSVOA\_Y  
ClientSampleId :

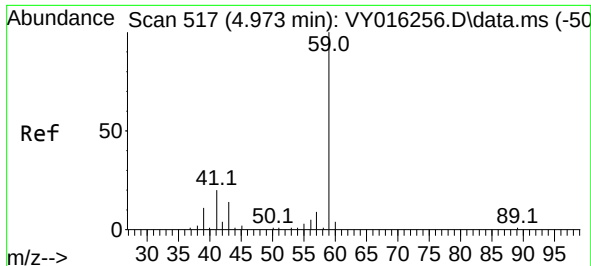
Tgt Ion:101 Resp: 35002  
Ion Ratio Lower Upper  
101 100  
85 43.2 36.6 55.0  
151 84.1 67.0 100.6



#10  
Methyl Iodide  
Concen: 21.815 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion:142 Resp: 40698  
Ion Ratio Lower Upper  
142 100  
127 45.1 37.6 56.4  
141 14.3 11.8 17.8

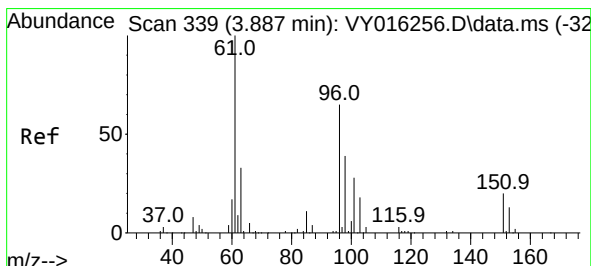
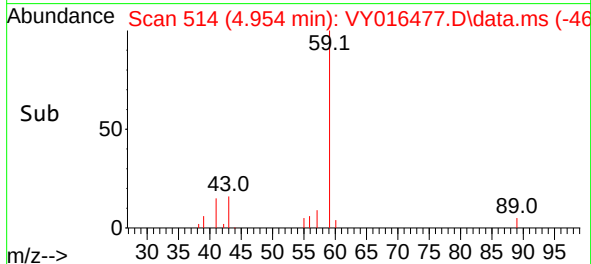
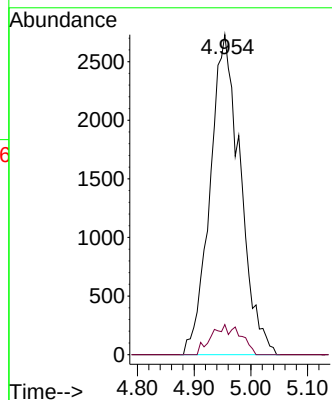
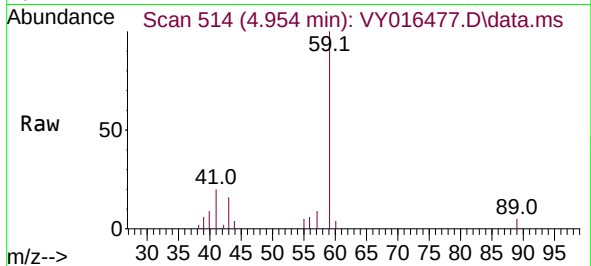




#11  
Tert butyl alcohol  
Concen: 88.514 ug/l  
RT: 4.954 min Scan# 517  
Delta R.T. -0.018 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

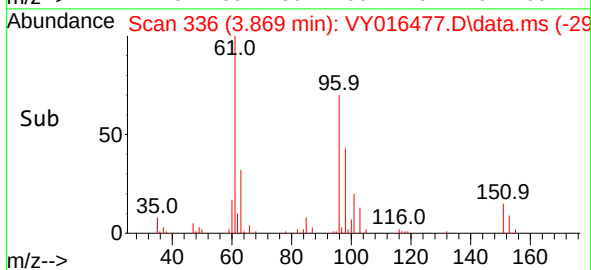
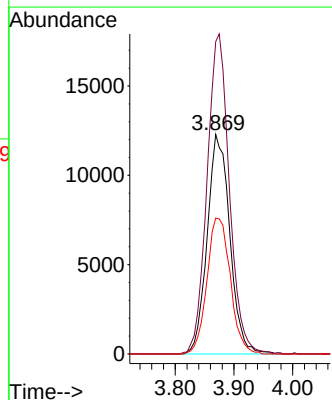
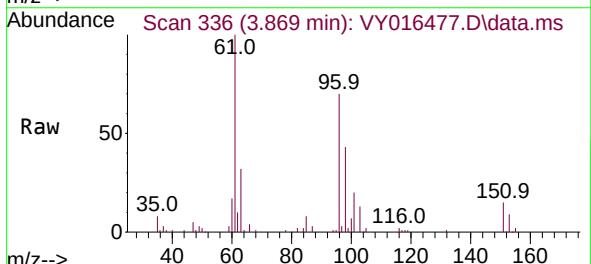
Instrument :  
MSVOA\_Y  
ClientSampleId :

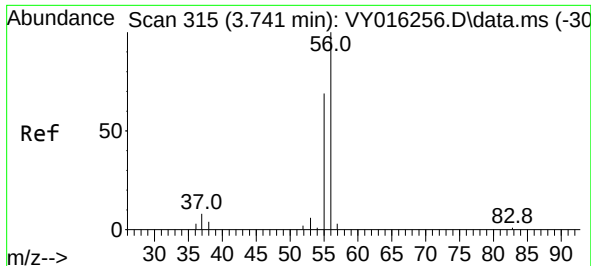
Tgt Ion: 59 Resp: 10127  
Ion Ratio Lower Upper  
59 100  
57 9.1 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 20.350 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.018 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 96 Resp: 32874  
Ion Ratio Lower Upper  
96 100  
61 142.3 136.4 204.6  
98 61.9 49.4 74.2





#13

Acrolein

Concen: 64.587 ug/l

RT: 3.735 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

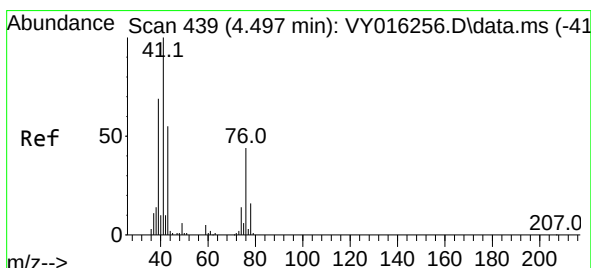
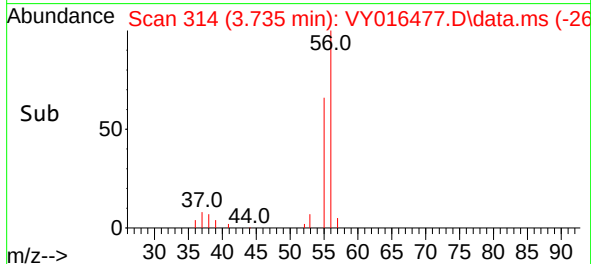
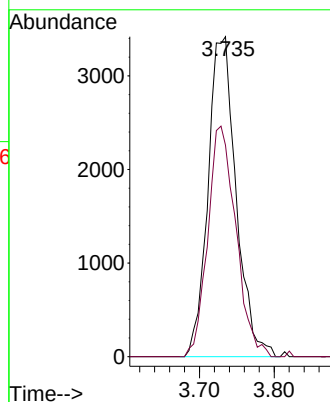
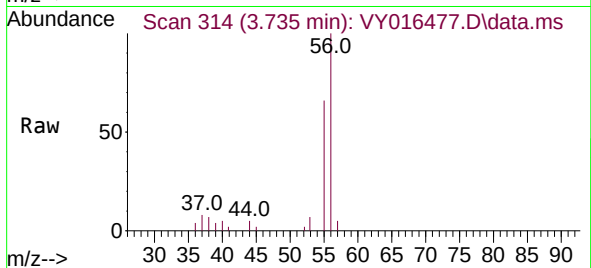
ClientSampleId :

Tgt Ion: 56 Resp: 8913

Ion Ratio Lower Upper

56 100

55 72.2 57.0 85.4



#14

Allyl chloride

Concen: 17.538 ug/l

RT: 4.485 min Scan# 437

Delta R.T. -0.012 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

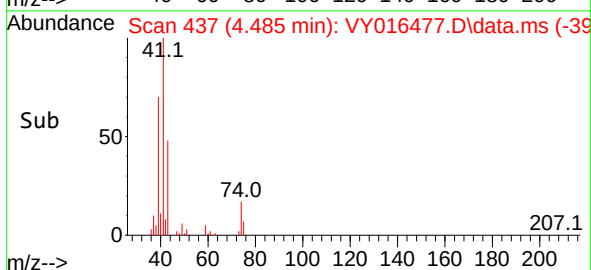
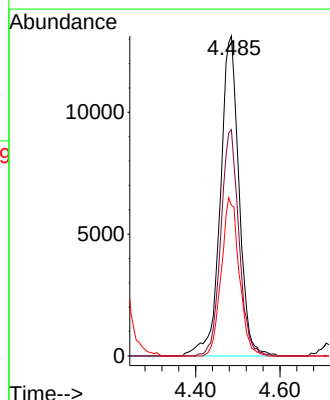
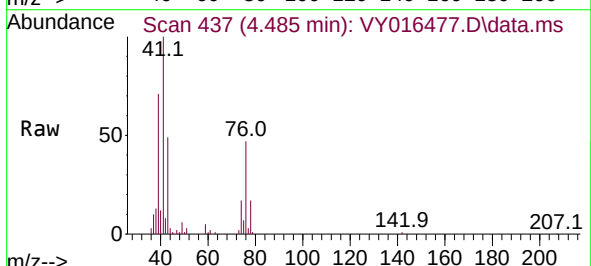
Tgt Ion: 41 Resp: 40204

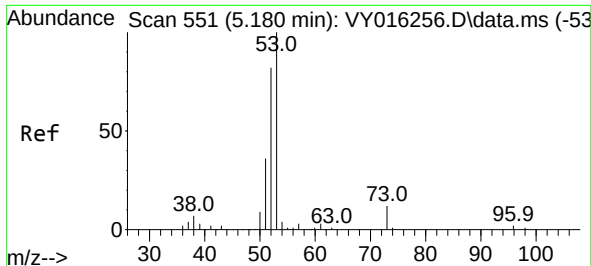
Ion Ratio Lower Upper

41 100

39 68.5 58.0 87.0

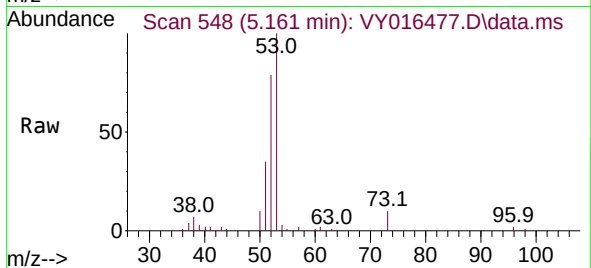
76 47.4 27.4 41.2#



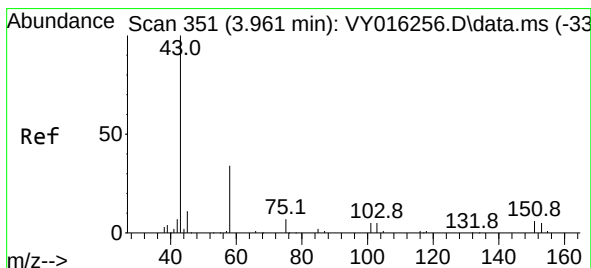
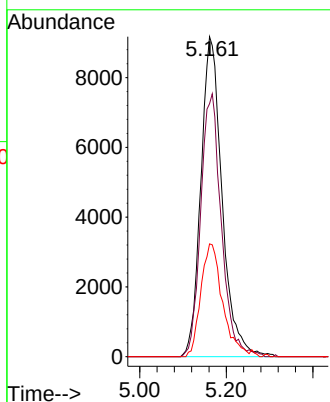


#15  
Acrylonitrile  
Concen: 91.707 ug/l  
RT: 5.161 min Scan# 54  
Delta R.T. -0.018 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

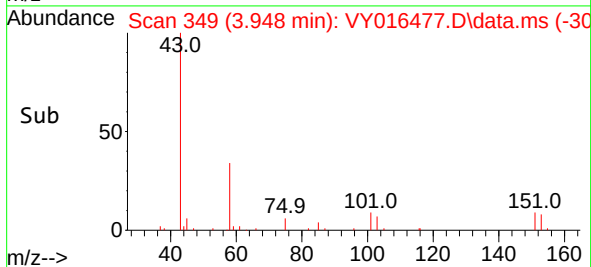
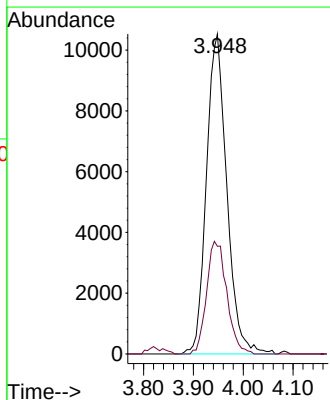
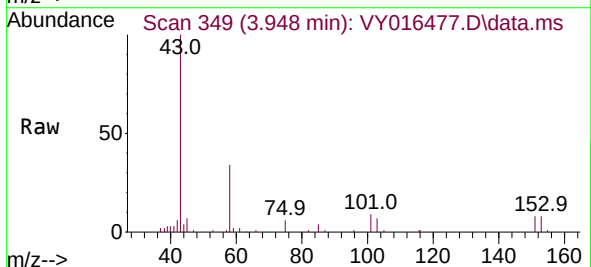


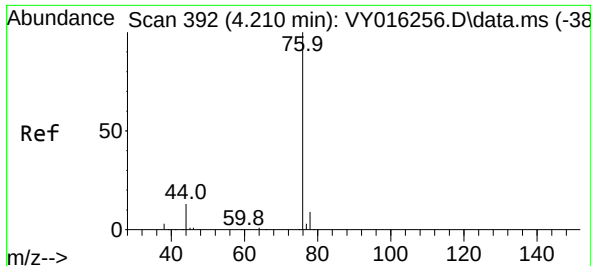
Tgt Ion: 53 Resp: 31195  
Ion Ratio Lower Upper  
53 100  
52 79.9 66.9 100.3  
51 36.0 29.8 44.6



#16  
Acetone  
Concen: 123.645 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 43 Resp: 29882  
Ion Ratio Lower Upper  
43 100  
58 33.7 22.7 34.1





#17

Carbon Disulfide

Concen: 20.607 ug/l

RT: 4.198 min Scan# 392

Delta R.T. -0.012 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

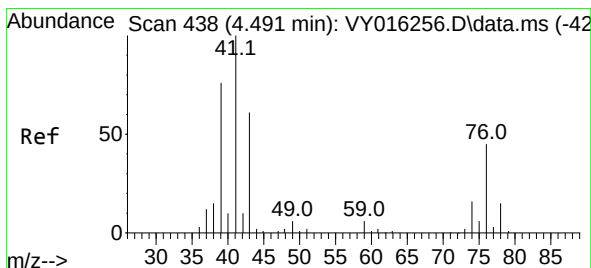
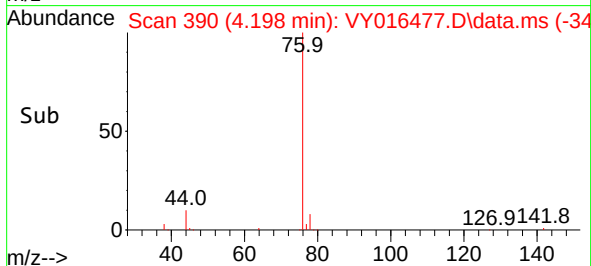
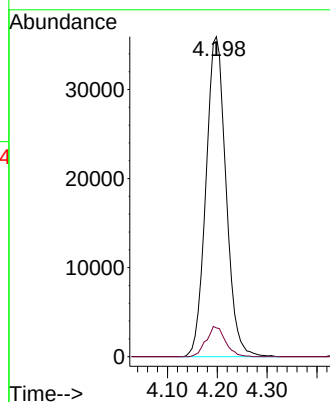
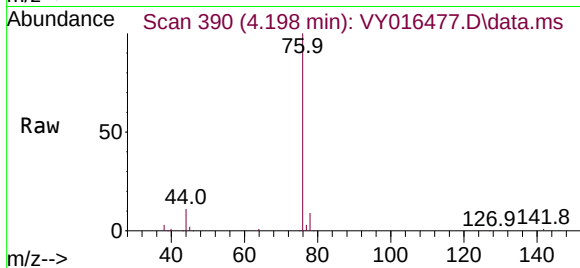
ClientSampleId :

Tgt Ion: 76 Resp: 100442

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4



#18

Methyl Acetate

Concen: 16.798 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.012 min

Lab File: VY016477.D

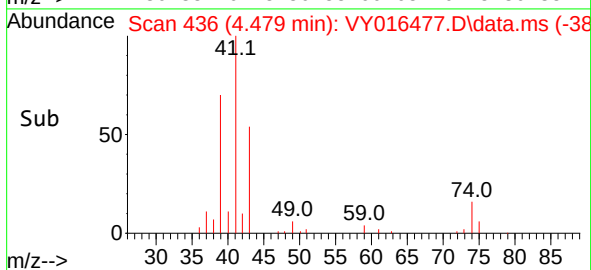
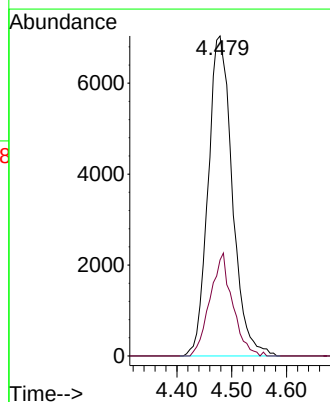
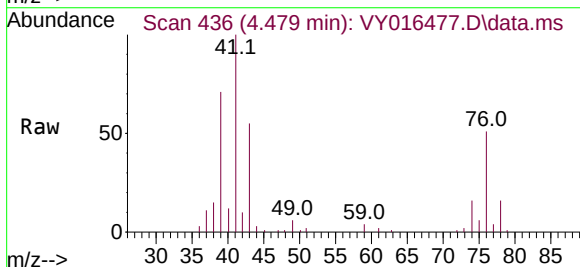
Acq: 24 Nov 2023 11:53

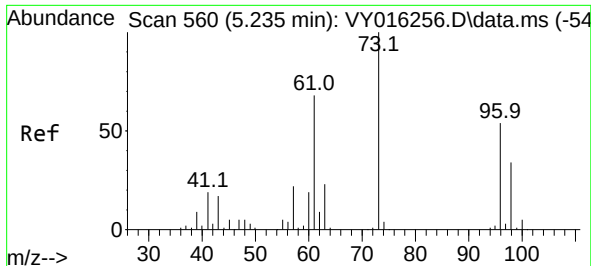
Tgt Ion: 43 Resp: 21572

Ion Ratio Lower Upper

43 100

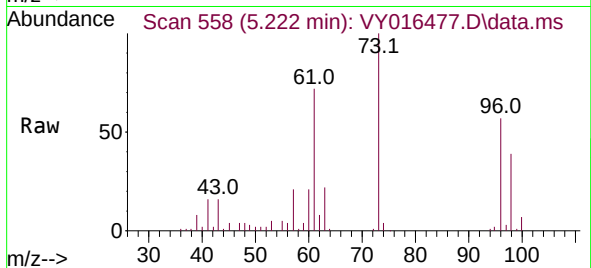
74 30.0 17.4 26.0#



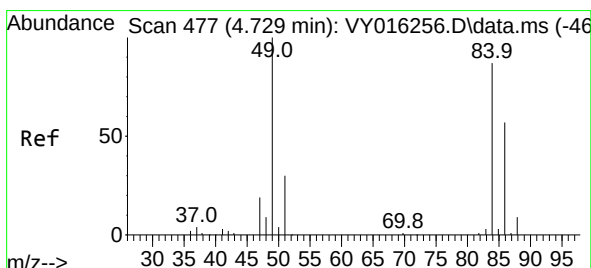
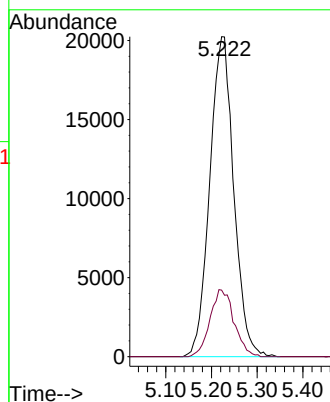
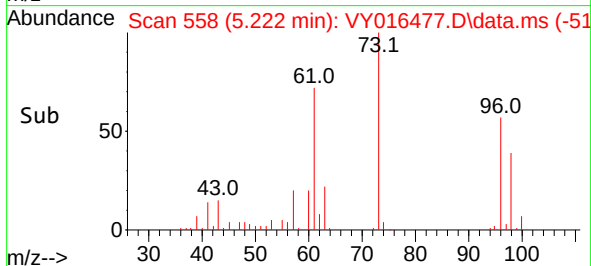


#19  
Methyl tert-butyl Ether  
Concen: 18.867 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

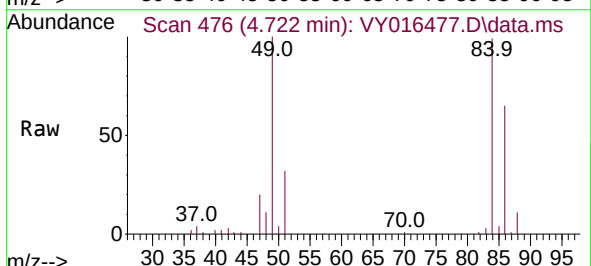
Instrument :  
MSVOA\_Y  
ClientSampleId :



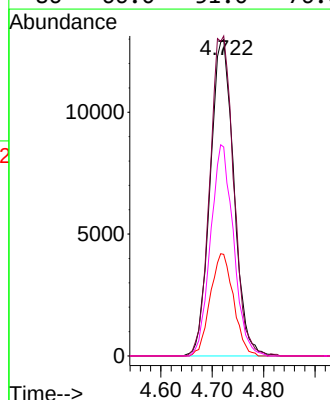
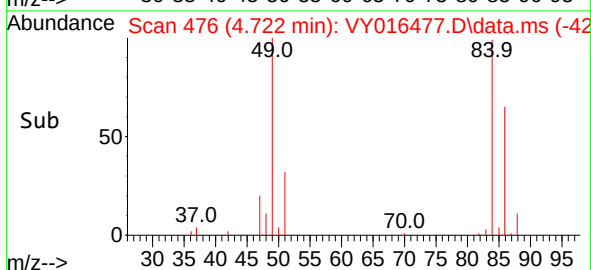
Tgt Ion: 73 Resp: 73768  
Ion Ratio Lower Upper  
73 100  
57 20.8 17.3 25.9

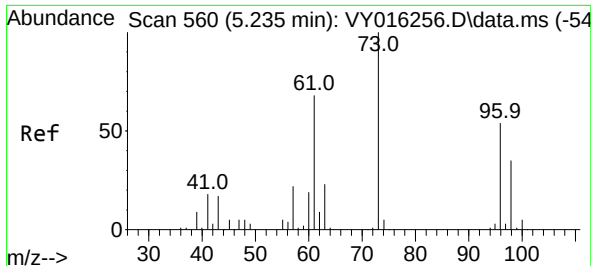


#20  
Methylene Chloride  
Concen: 22.358 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. -0.007 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53



Tgt Ion: 84 Resp: 41457  
Ion Ratio Lower Upper  
84 100  
49 101.1 106.9 160.3#  
51 32.1 33.2 49.8#  
86 66.0 51.0 76.6

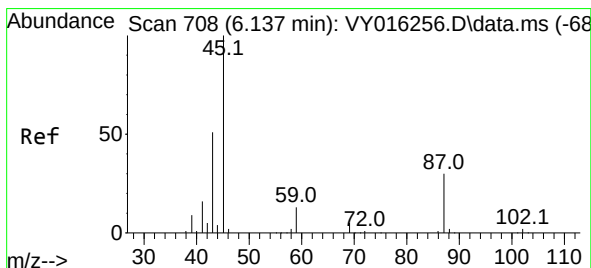
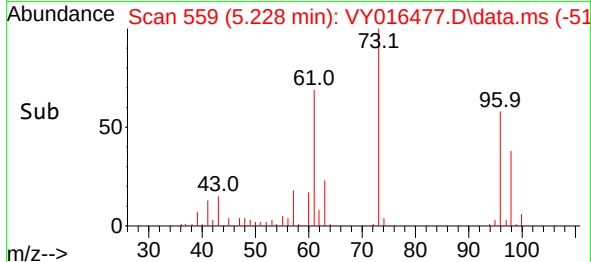
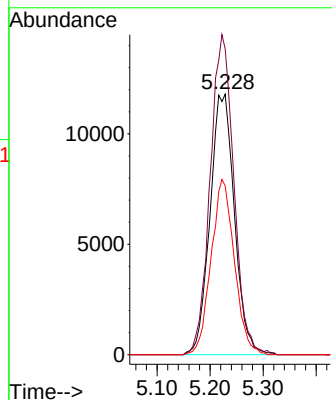
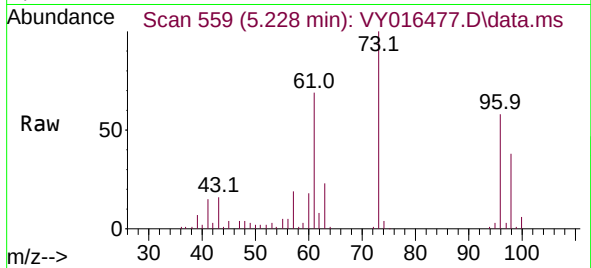




#21  
trans-1,2-Dichloroethene  
Concen: 20.327 ug/l  
RT: 5.228 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

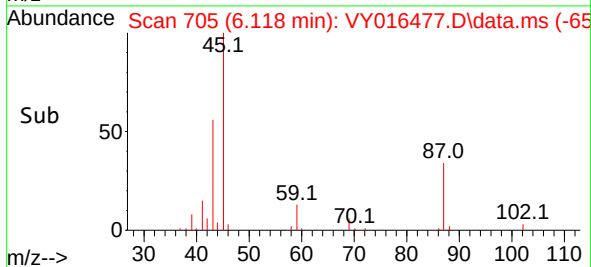
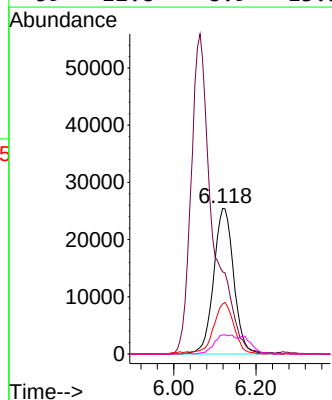
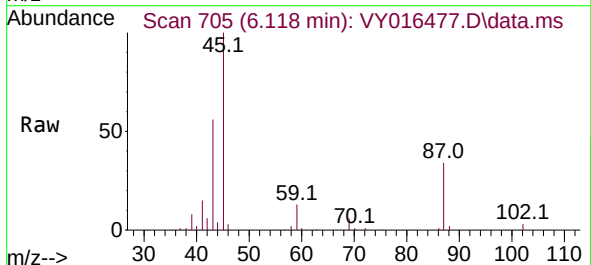
Instrument :  
MSVOA\_Y  
ClientSampleId :

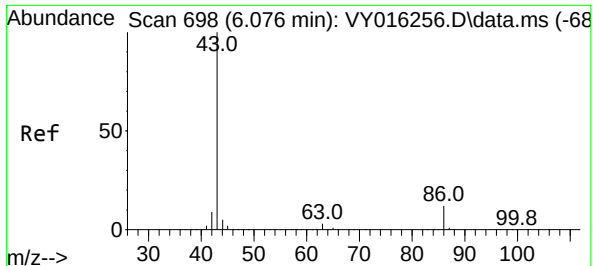
Tgt Ion: 96 Resp: 37808  
Ion Ratio Lower Upper  
96 100  
61 117.5 110.2 165.4  
98 64.8 51.8 77.6



#22  
Diisopropyl ether  
Concen: 17.459 ug/l  
RT: 6.118 min Scan# 705  
Delta R.T. -0.018 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 45 Resp: 86254  
Ion Ratio Lower Upper  
45 100  
43 55.3 52.2 78.4  
87 34.2 21.0 31.6#  
59 12.8 8.9 13.3

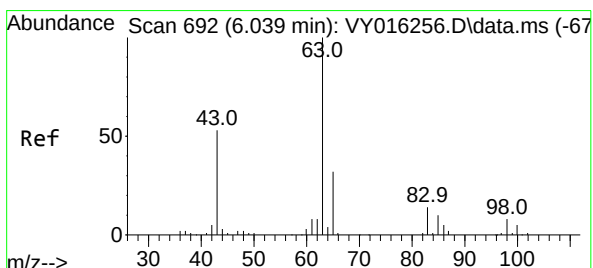
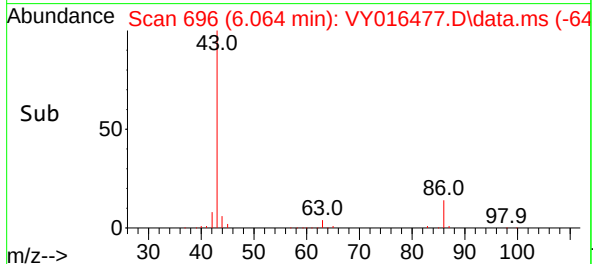
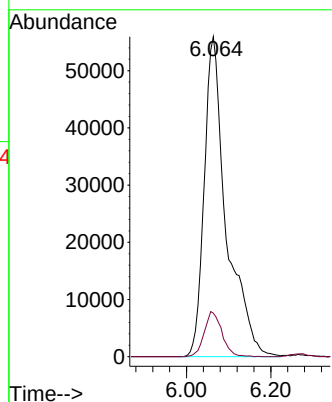
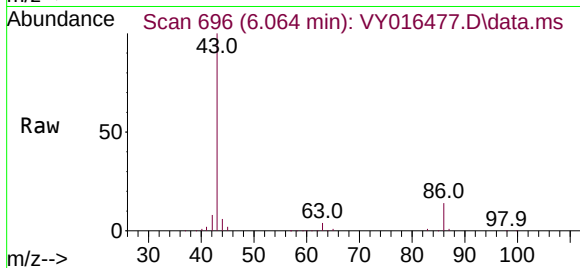




#23  
 Vinyl Acetate  
 Concen: 85.347 ug/l  
 RT: 6.064 min Scan# 698  
 Delta R.T. -0.012 min  
 Lab File: VY016477.D  
 Acq: 24 Nov 2023 11:53

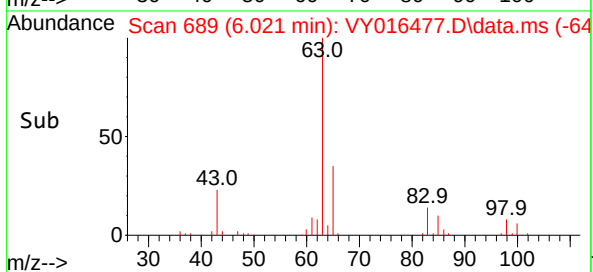
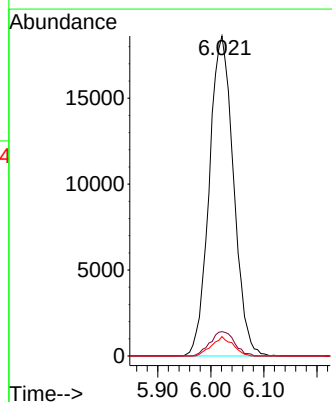
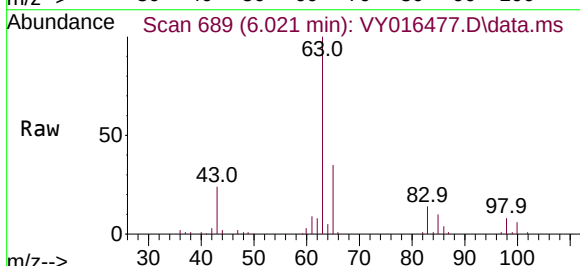
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 43 Resp: 204308  
 Ion Ratio Lower Upper  
 43 100  
 86 13.6 7.5 11.3#

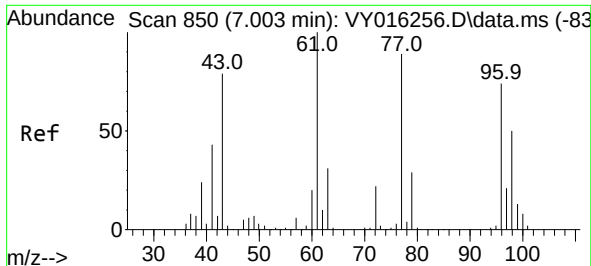


#24  
 1,1-Dichloroethane  
 Concen: 19.438 ug/l  
 RT: 6.021 min Scan# 689  
 Delta R.T. -0.018 min  
 Lab File: VY016477.D  
 Acq: 24 Nov 2023 11:53

Tgt Ion: 63 Resp: 59245  
 Ion Ratio Lower Upper  
 63 100  
 98 7.6 3.1 9.4  
 100 6.1 1.8 5.5#



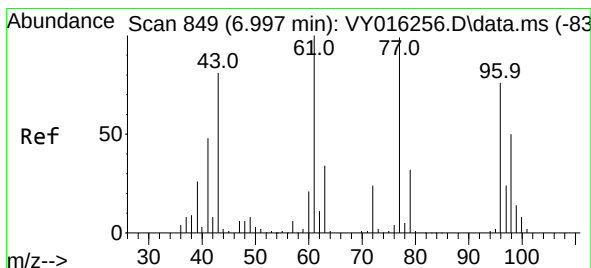
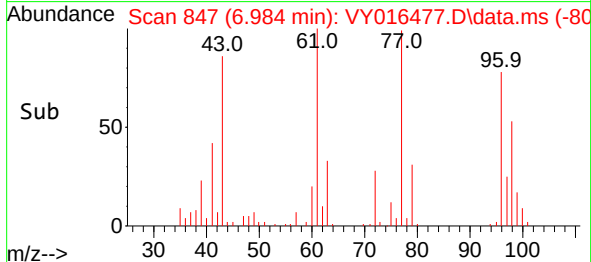
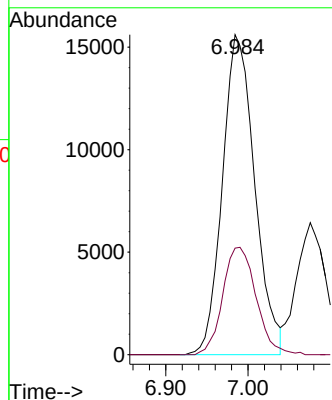
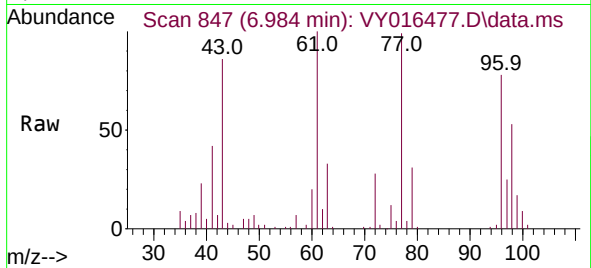




#25  
2-Butanone  
Concen: 100.771 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.018 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

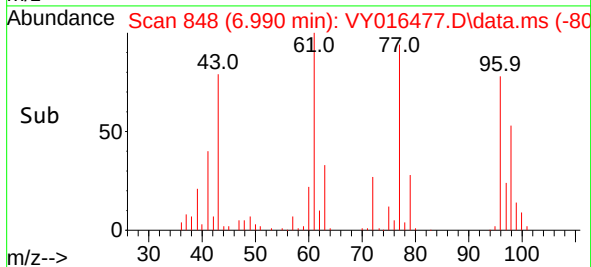
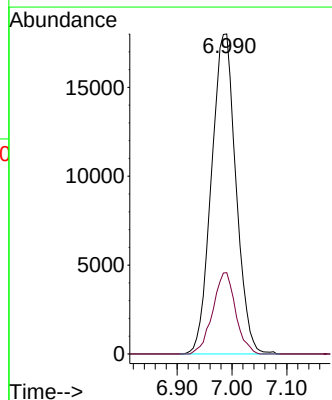
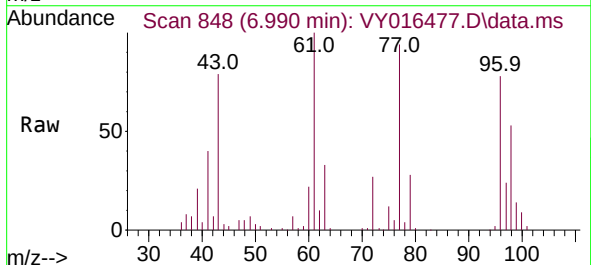
Instrument :  
MSVOA\_Y  
ClientSampleId :

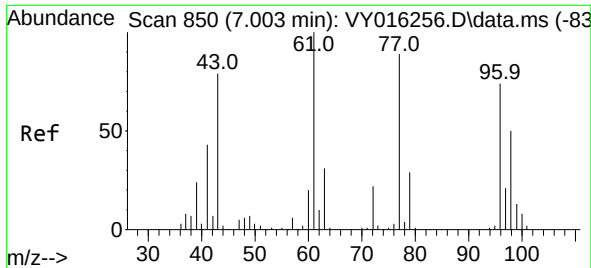
Tgt Ion: 43 Resp: 42657  
Ion Ratio Lower Upper  
43 100  
72 33.3 20.5 30.7#



#26  
2,2-Dichloropropane  
Concen: 20.158 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 77 Resp: 55916  
Ion Ratio Lower Upper  
77 100  
97 23.7 10.9 32.9

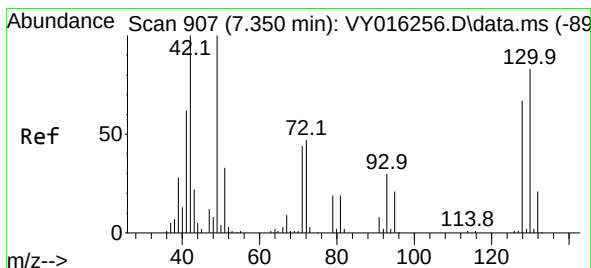
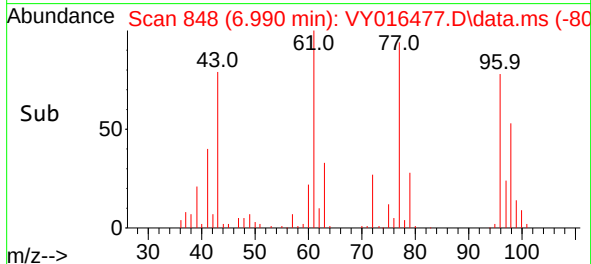
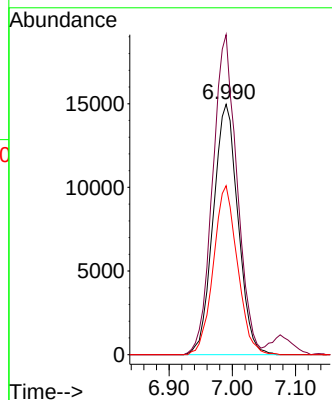
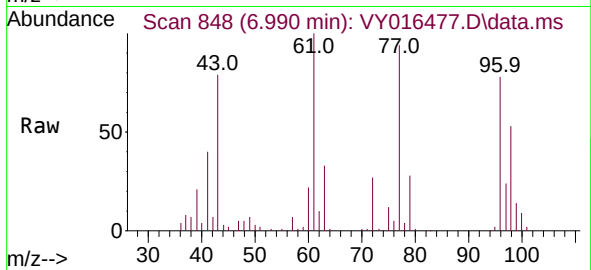




#27  
 cis-1,2-Dichloroethene  
 Concen: 20.319 ug/l  
 RT: 6.990 min Scan# 84  
 Delta R.T. -0.012 min  
 Lab File: VY016477.D  
 Acq: 24 Nov 2023 11:53

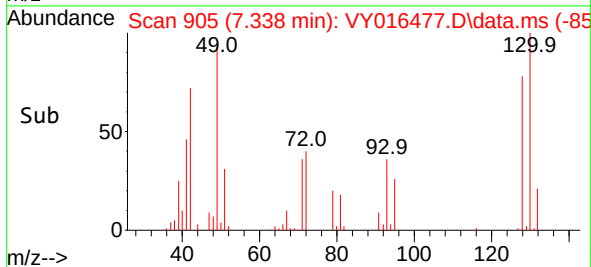
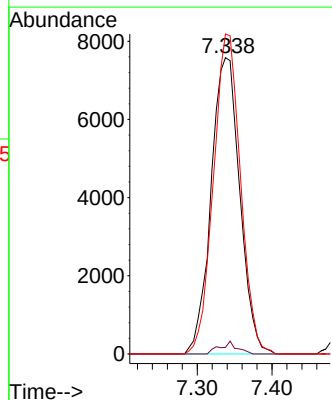
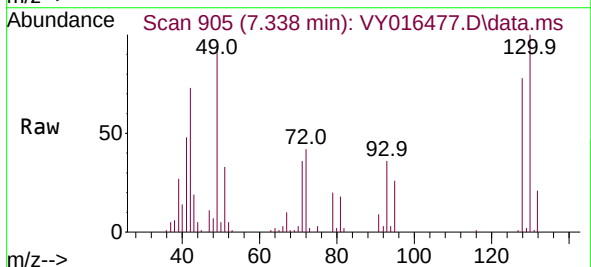
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

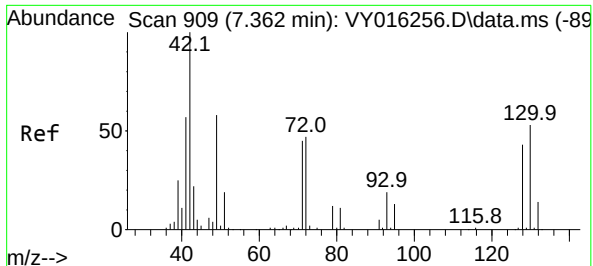
Tgt Ion: 96 Resp: 40729  
 Ion Ratio Lower Upper  
 96 100  
 61 125.4 0.0 301.4  
 98 65.5 0.0 130.4



#28  
 Bromochloromethane  
 Concen: 17.972 ug/l  
 RT: 7.338 min Scan# 905  
 Delta R.T. -0.012 min  
 Lab File: VY016477.D  
 Acq: 24 Nov 2023 11:53

Tgt Ion: 49 Resp: 20273  
 Ion Ratio Lower Upper  
 49 100  
 129 2.5 0.0 4.6  
 130 101.8 60.7 91.1#





#29

Tetrahydrofuran

Concen: 84.509 ug/l

RT: 7.350 min Scan# 909

Delta R.T. -0.012 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

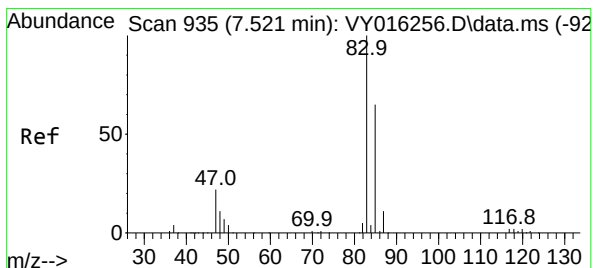
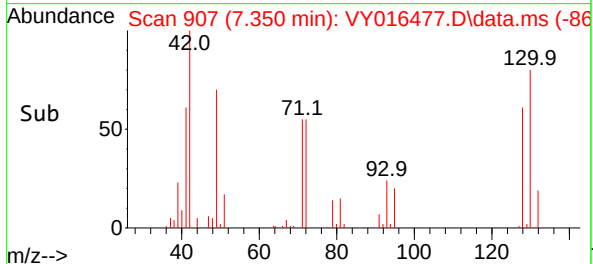
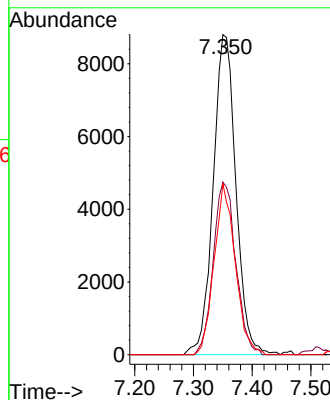
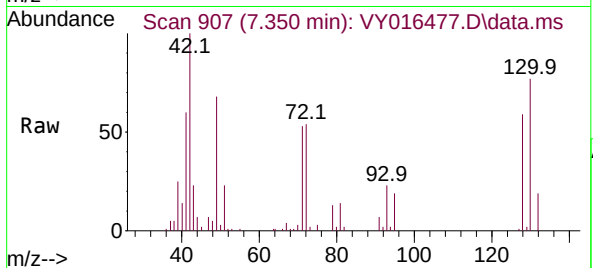
Tgt Ion: 42 Resp: 23645

Ion Ratio Lower Upper

42 100

72 53.6 32.8 49.2#

71 49.6 31.0 46.4#



#30

Chloroform

Concen: 20.204 ug/l

RT: 7.515 min Scan# 934

Delta R.T. -0.006 min

Lab File: VY016477.D

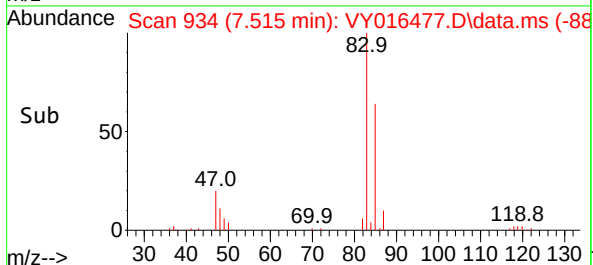
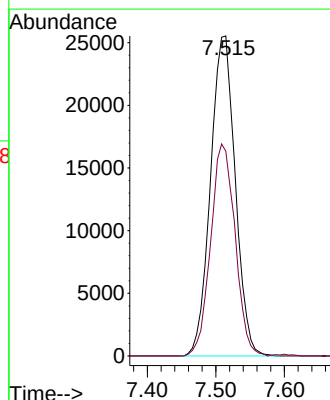
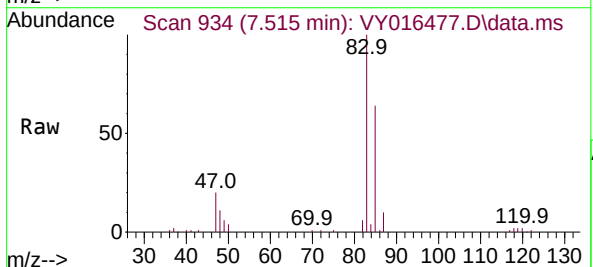
Acq: 24 Nov 2023 11:53

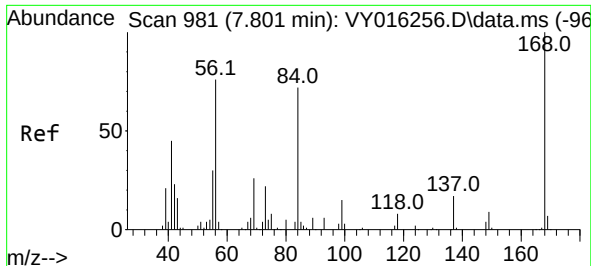
Tgt Ion: 83 Resp: 64097

Ion Ratio Lower Upper

83 100

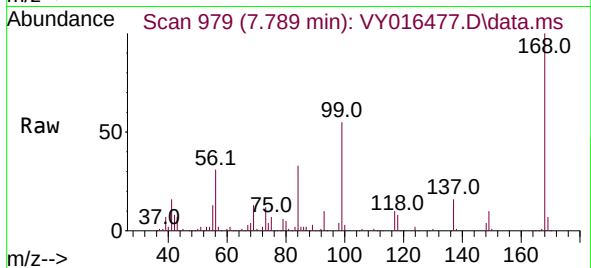
85 64.0 49.7 74.5



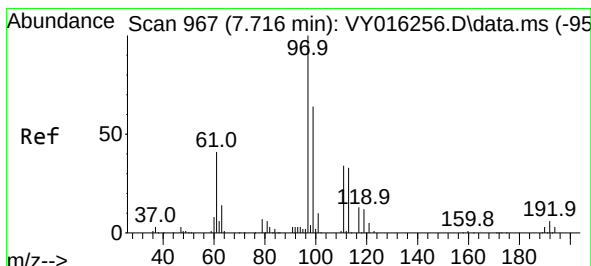
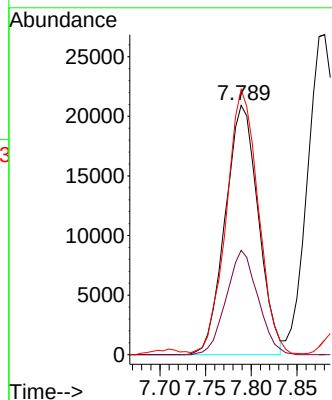
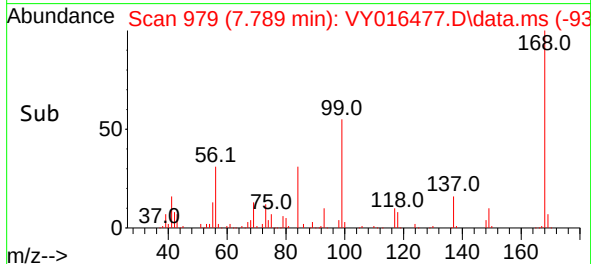


#31  
Cyclohexane  
Concen: 18.305 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

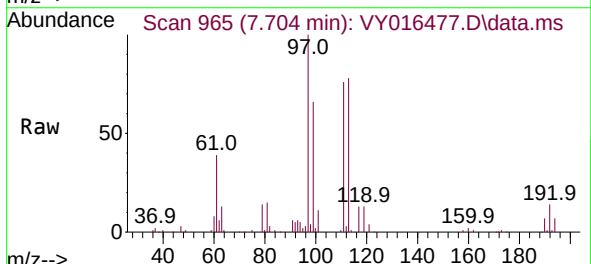
Instrument :  
MSVOA\_Y  
ClientSampleId :



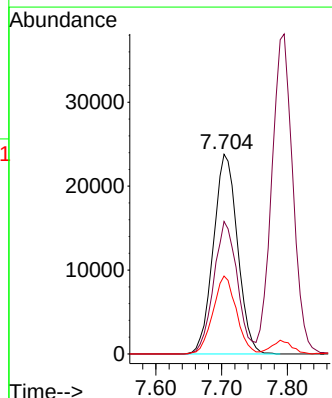
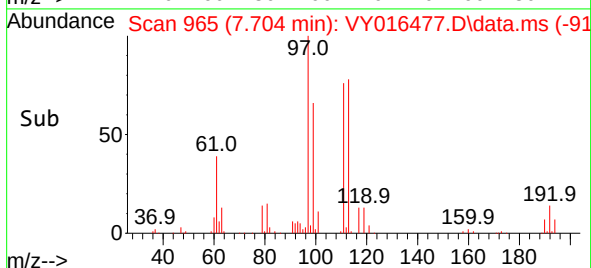
Tgt Ion: 56 Resp: 52656  
Ion Ratio Lower Upper  
56 100  
69 41.6 27.8 41.6  
84 105.2 66.4 99.6#

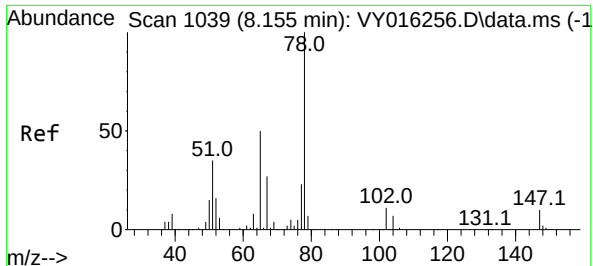


#32  
1,1,1-Trichloroethane  
Concen: 20.909 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53



Tgt Ion: 97 Resp: 60806  
Ion Ratio Lower Upper  
97 100  
99 65.5 50.8 76.2  
61 37.9 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 48.228 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

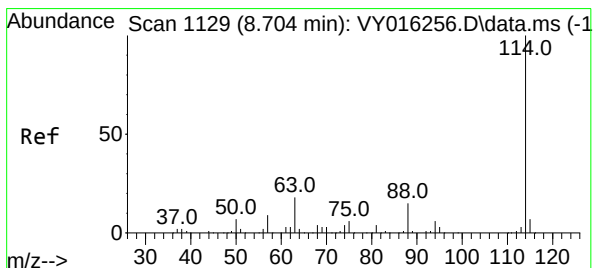
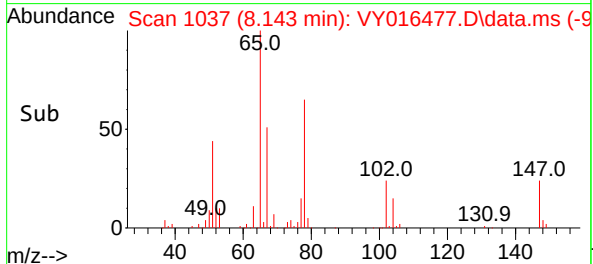
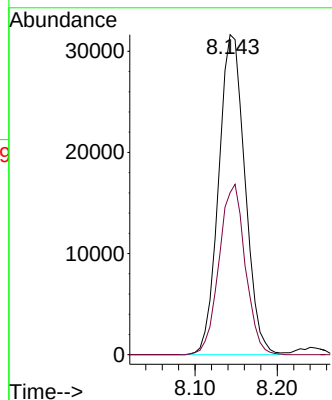
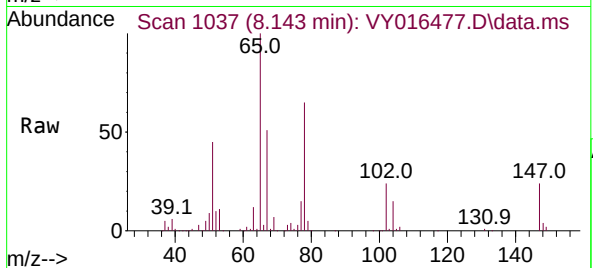
ClientSampleId :

Tgt Ion: 65 Resp: 70463

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.012 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

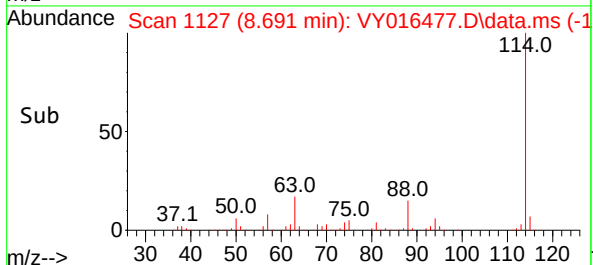
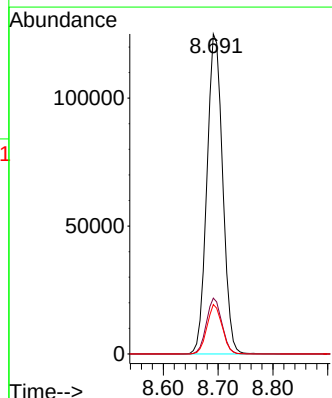
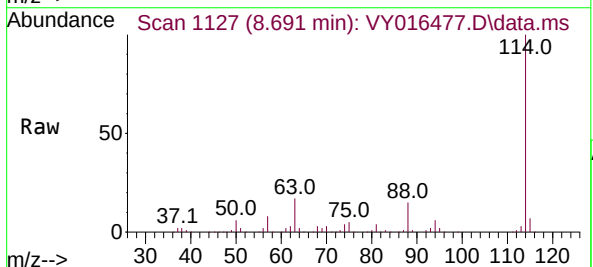
Tgt Ion: 114 Resp: 248143

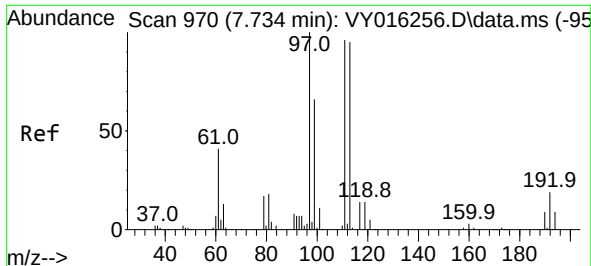
Ion Ratio Lower Upper

114 100

63 17.4 0.0 42.4

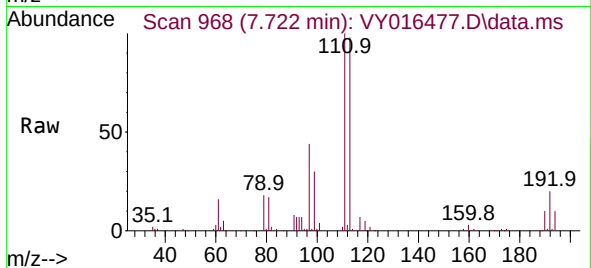
88 15.5 0.0 30.6



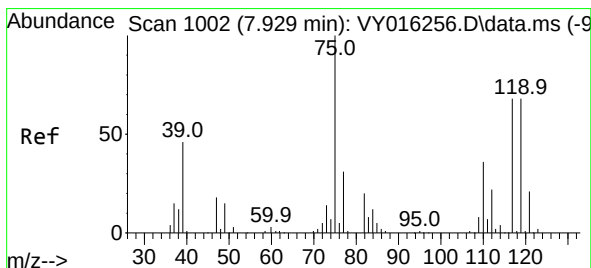
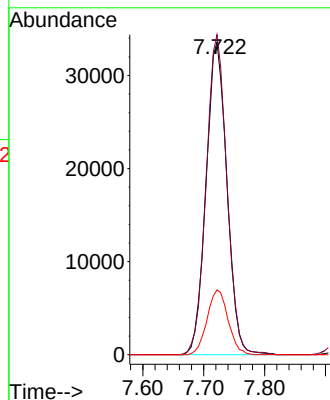
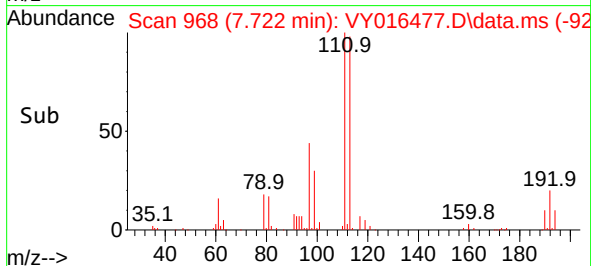


#35  
Dibromofluoromethane  
Concen: 56.719 ug/l  
RT: 7.722 min Scan# 90  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

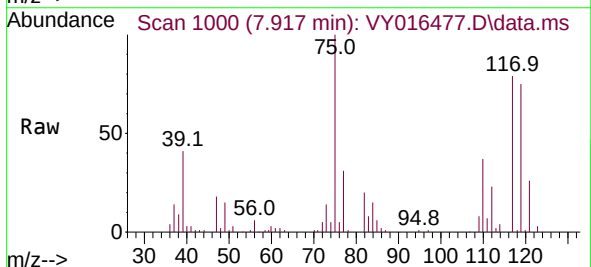
Instrument :  
MSVOA\_Y  
ClientSampleId :



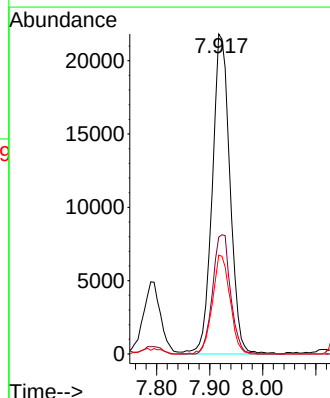
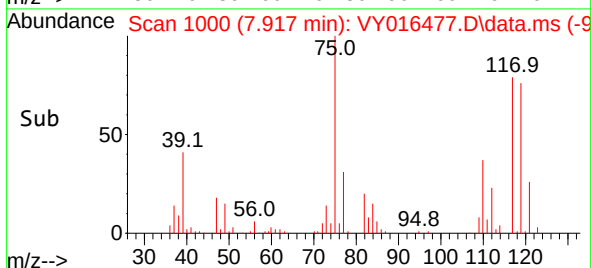
Tgt Ion:113 Resp: 79952  
Ion Ratio Lower Upper  
113 100  
111 101.6 81.3 121.9  
192 20.8 16.9 25.3

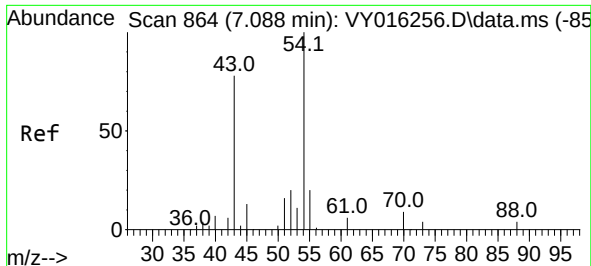


#36  
1,1-Dichloropropene  
Concen: 20.688 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53



Tgt Ion: 75 Resp: 50636  
Ion Ratio Lower Upper  
75 100  
110 37.6 17.8 53.5  
77 30.6 24.4 36.6





#37

Ethyl Acetate

Concen: 17.359 ug/l

RT: 7.076 min Scan# 80

Delta R.T. -0.012 min

Lab File: VY016477.D

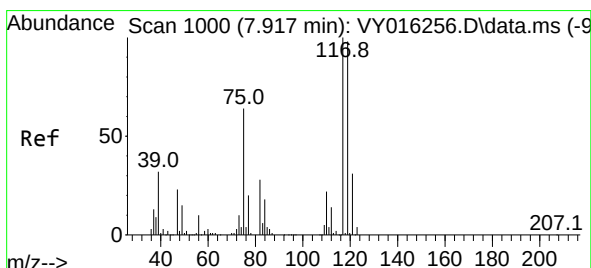
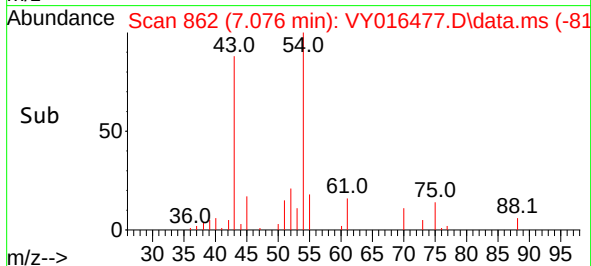
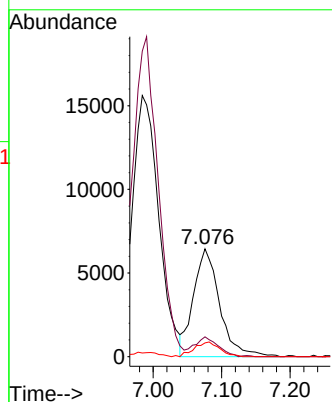
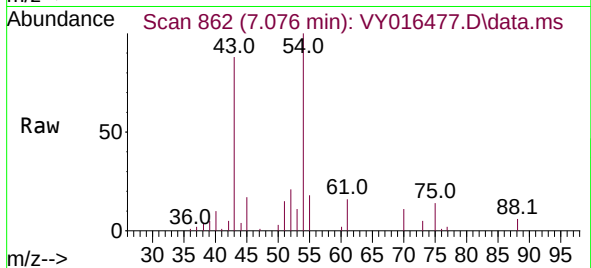
Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 17168     |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 61          | 16.5 10.1 15.1# |
| 70          | 13.2 7.1 10.7#  |



#38

Carbon Tetrachloride

Concen: 22.236 ug/l

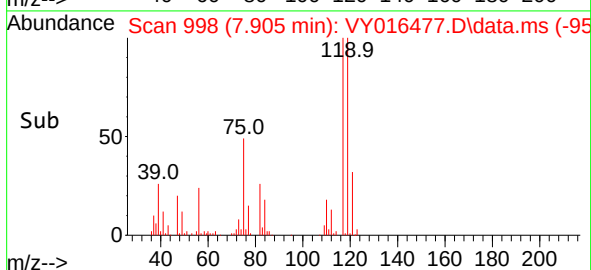
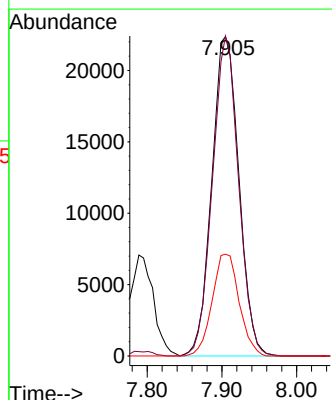
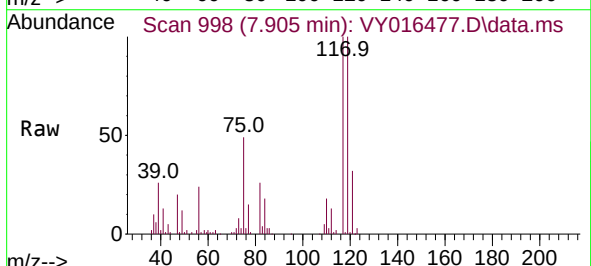
RT: 7.905 min Scan# 998

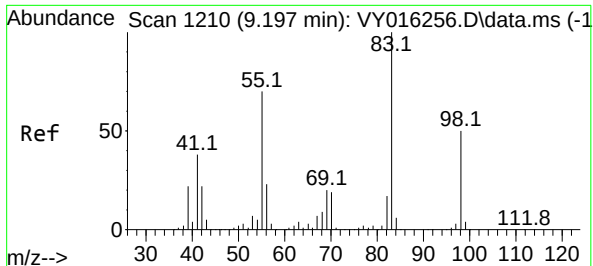
Delta R.T. -0.012 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

|              |                  |
|--------------|------------------|
| Tgt Ion: 117 | Resp: 56487      |
| Ion Ratio    | Lower Upper      |
| 117          | 100              |
| 119          | 100.2 76.4 114.6 |
| 121          | 31.9 25.8 38.6   |





#39

Methylcyclohexane

Concen: 20.279 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

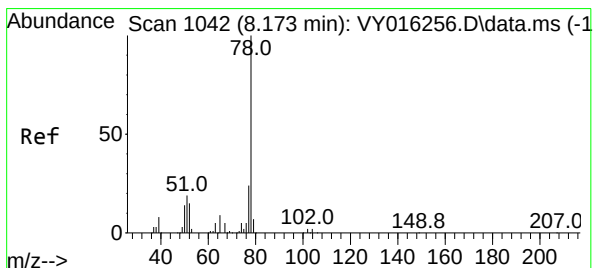
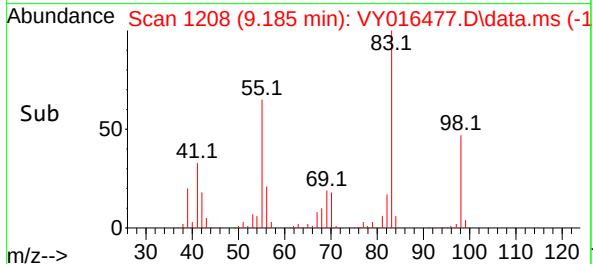
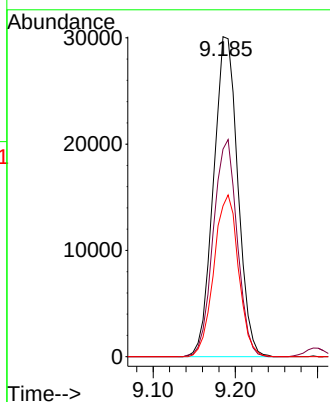
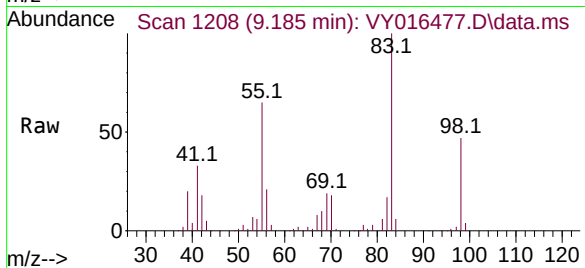
Tgt Ion: 83 Resp: 61849

Ion Ratio Lower Upper

83 100

55 64.9 63.0 94.4

98 47.1 37.4 56.2



#40

Benzene

Concen: 20.744 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. -0.006 min

Lab File: VY016477.D

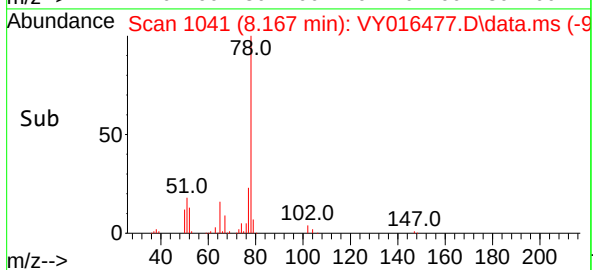
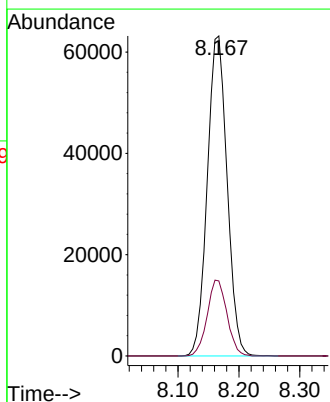
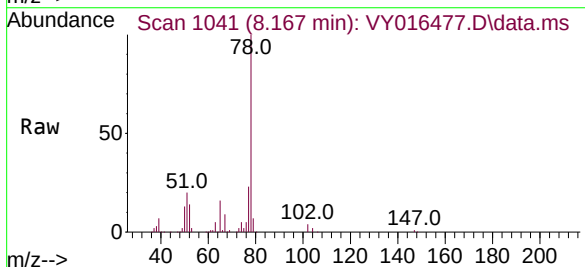
Acq: 24 Nov 2023 11:53

Tgt Ion: 78 Resp: 142651

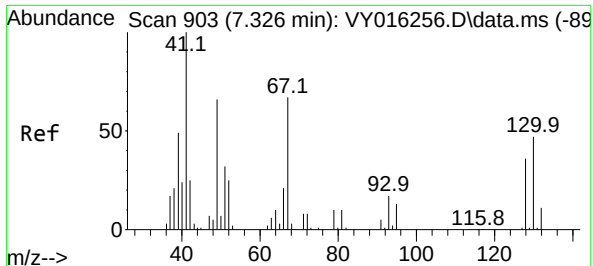
Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6

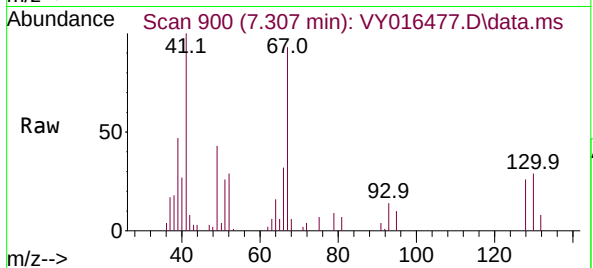




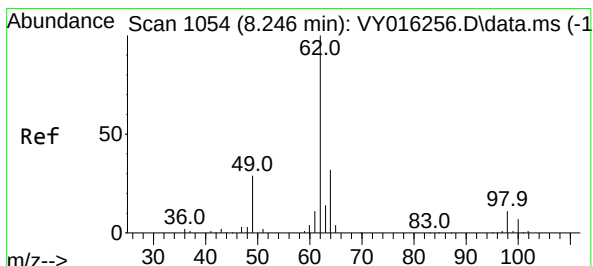
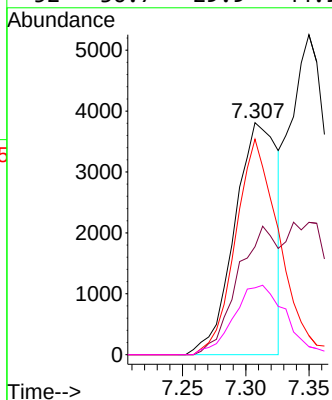
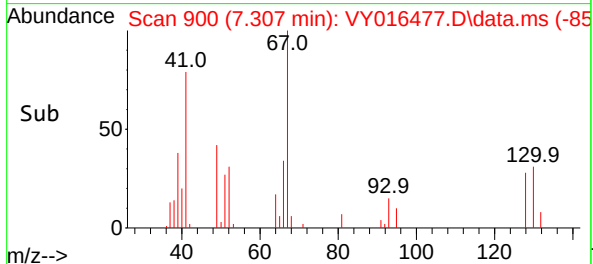


#41  
Methacrylonitrile  
Concen: 17.912 ug/l  
RT: 7.307 min Scan# 903  
Delta R.T. -0.018 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

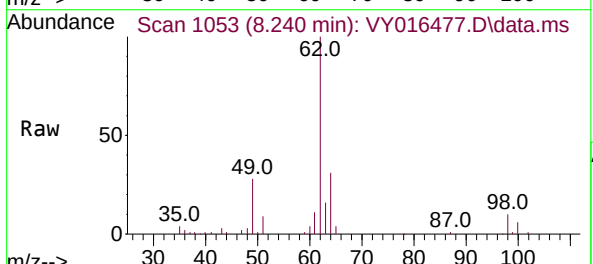
Instrument :  
MSVOA\_Y  
ClientSampleId :



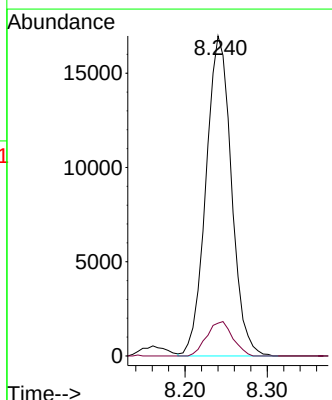
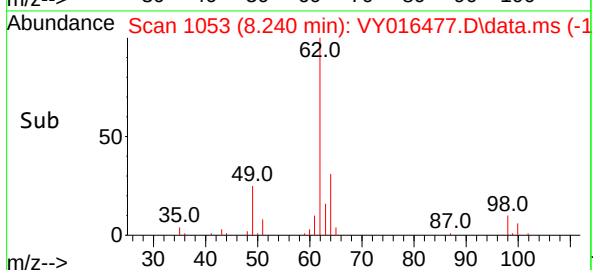
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 52.0  | 52.1  | 78.1# |
| 67      | 95.4  | 66.2  | 99.2  |
| 52      | 36.7  | 29.9  | 44.9  |

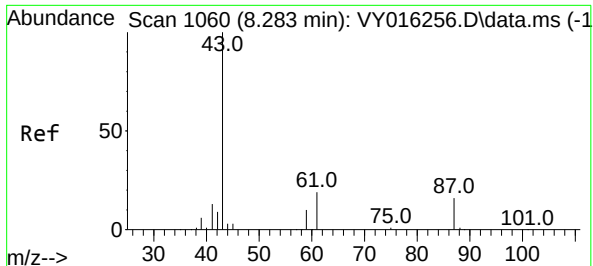


#42  
1,2-Dichloroethane  
Concen: 20.512 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.9  | 0.0   | 15.8  |





#43

Isopropyl Acetate

Concen: 17.124 ug/l

RT: 8.277 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

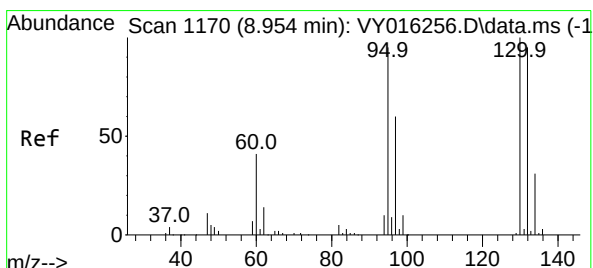
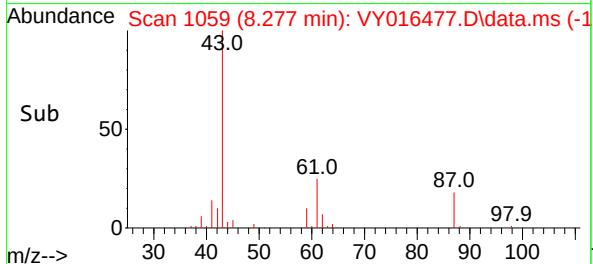
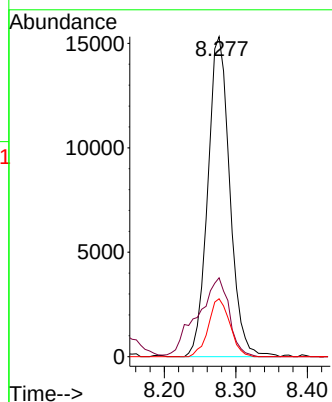
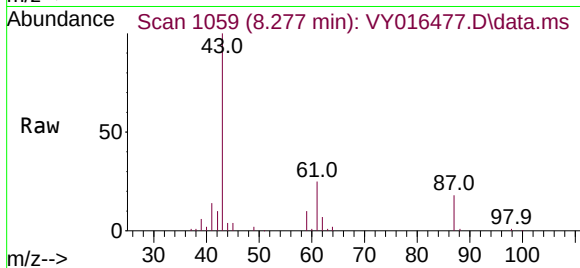
Tgt Ion: 43 Resp: 32735

Ion Ratio Lower Upper

43 100

61 35.6 21.1 31.7#

87 17.7 9.8 14.8#



#44

Trichloroethene

Concen: 21.835 ug/l

RT: 8.947 min Scan# 1169

Delta R.T. -0.006 min

Lab File: VY016477.D

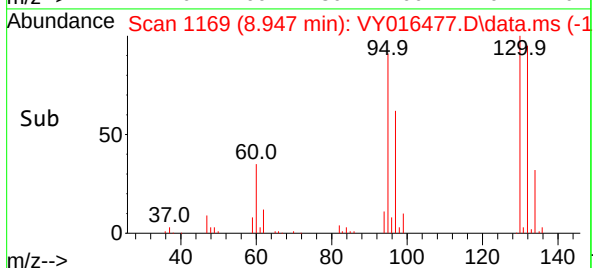
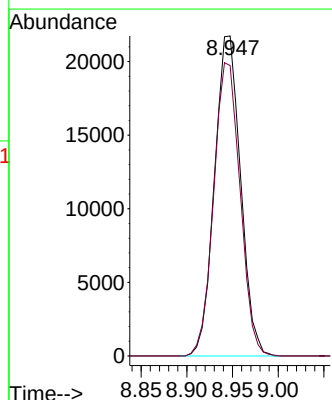
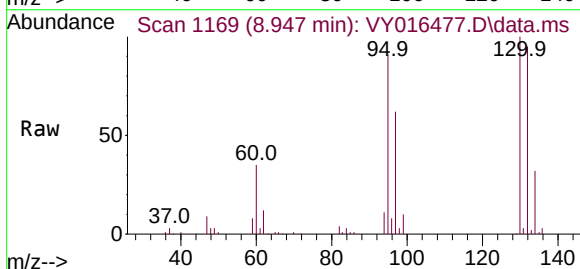
Acq: 24 Nov 2023 11:53

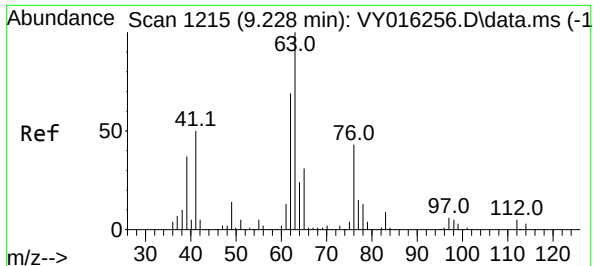
Tgt Ion:130 Resp: 43154

Ion Ratio Lower Upper

130 100

95 90.8 0.0 196.0

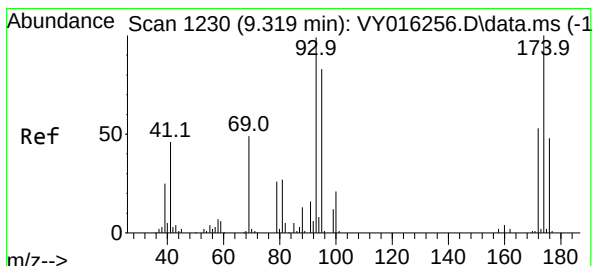
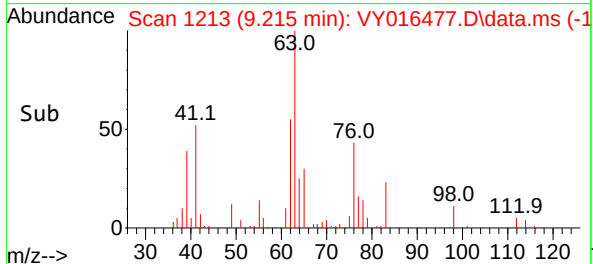
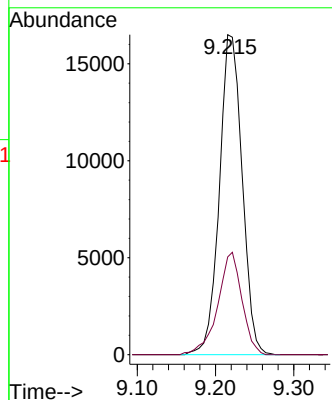
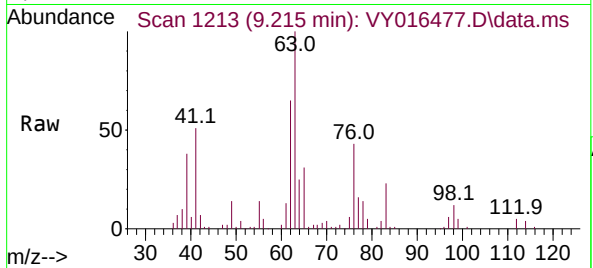




#45  
1,2-Dichloropropane  
Concen: 20.177 ug/l  
RT: 9.215 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

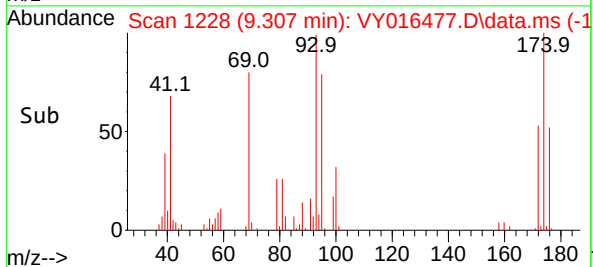
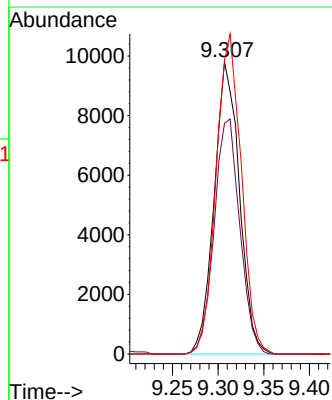
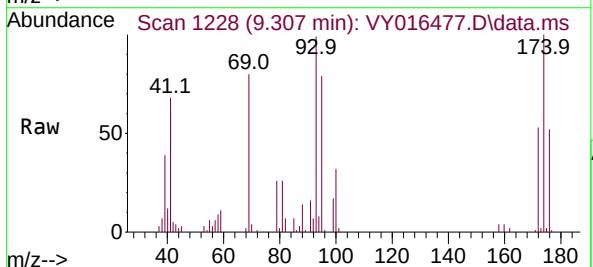
Instrument :  
MSVOA\_Y  
ClientSampleId :

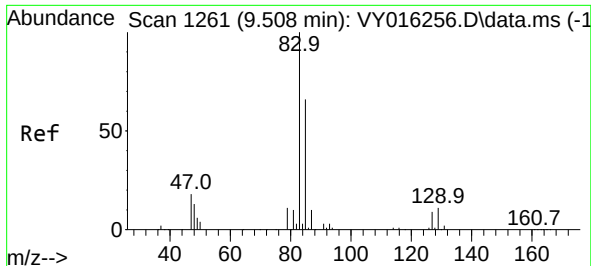
Tgt Ion: 63 Resp: 33323  
Ion Ratio Lower Upper  
63 100  
65 30.5 23.8 35.6



#46  
Dibromomethane  
Concen: 21.000 ug/l  
RT: 9.307 min Scan# 1228  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 93 Resp: 18794  
Ion Ratio Lower Upper  
93 100  
95 81.7 66.6 100.0  
174 109.7 84.8 127.2

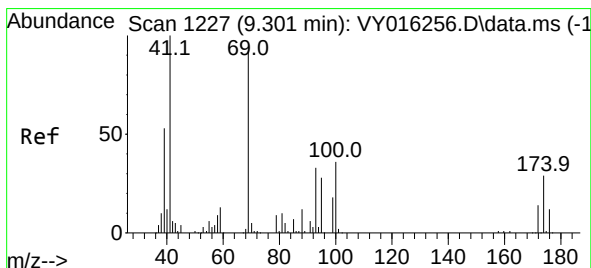
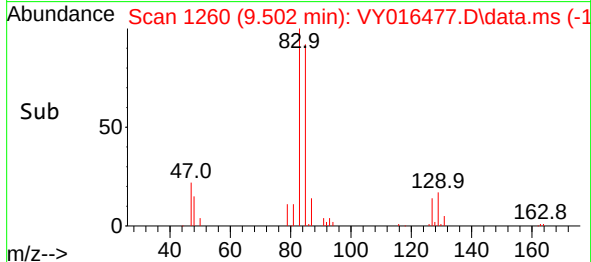
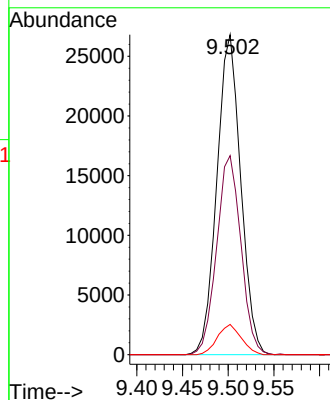
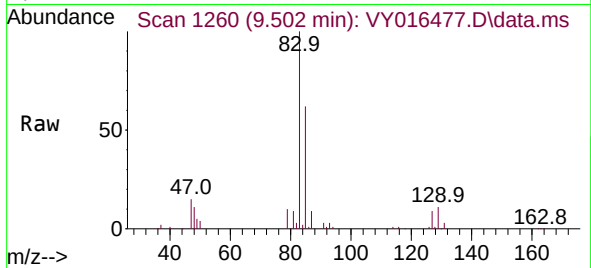




#47  
Bromodichloromethane  
Concen: 21.182 ug/l  
RT: 9.502 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

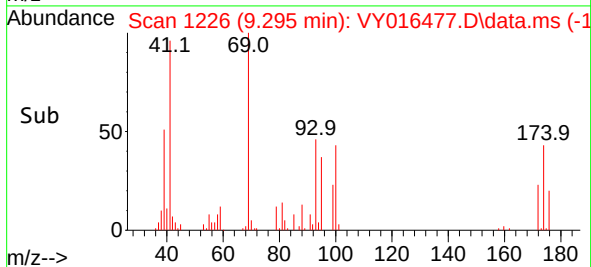
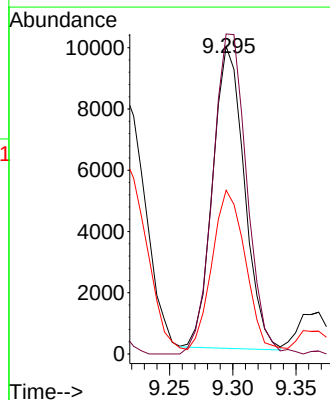
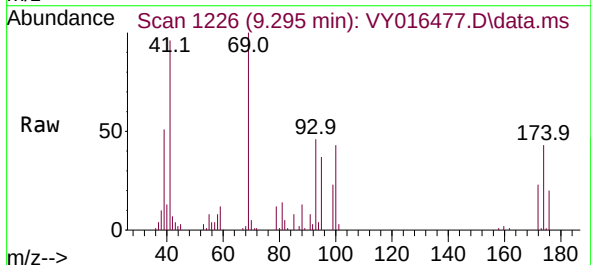
Instrument :  
MSVOA\_Y  
ClientSampleId :

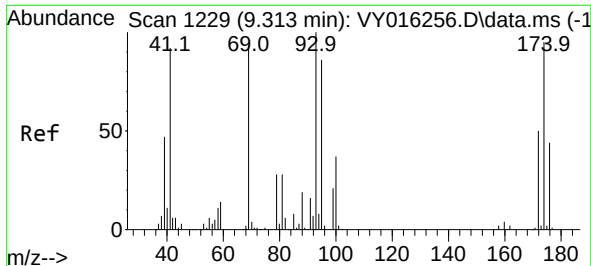
Tgt Ion: 83 Resp: 48737  
Ion Ratio Lower Upper  
83 100  
85 62.2 50.1 75.1  
127 9.4 7.1 10.7



#48  
Methyl methacrylate  
Concen: 16.234 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 41 Resp: 17151  
Ion Ratio Lower Upper  
41 100  
69 113.7 64.5 96.7#  
39 55.9 50.8 76.2





#49

1,4-Dioxane

Concen: 392.050 ug/l

RT: 9.313 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

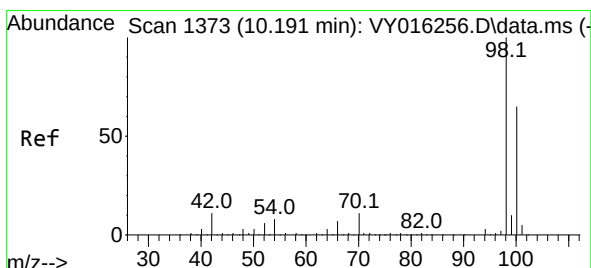
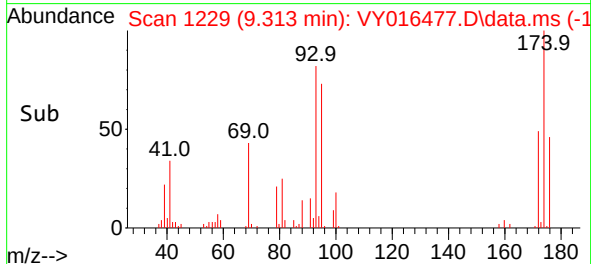
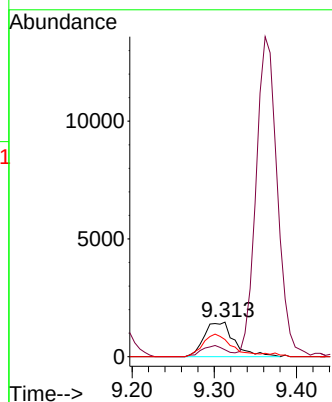
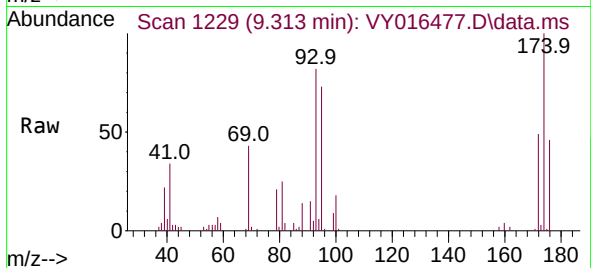
Tgt Ion: 88 Resp: 3725

Ion Ratio Lower Upper

88 100

43 26.5 0.0 0.0#

58 62.8 30.9 46.3#



#50

Toluene-d8

Concen: 52.238 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016477.D

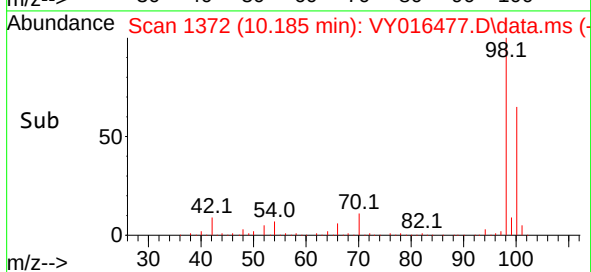
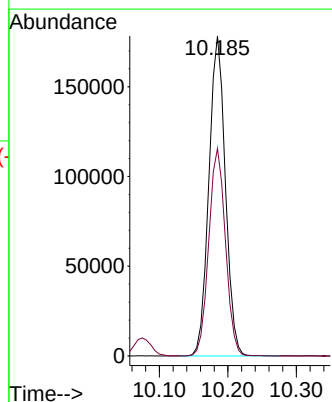
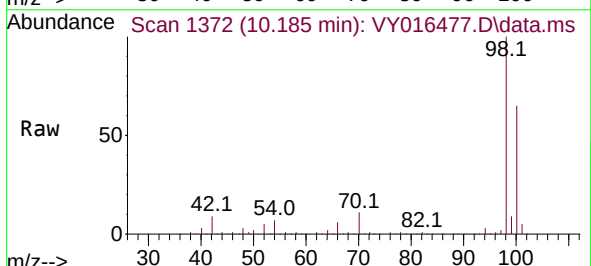
Acq: 24 Nov 2023 11:53

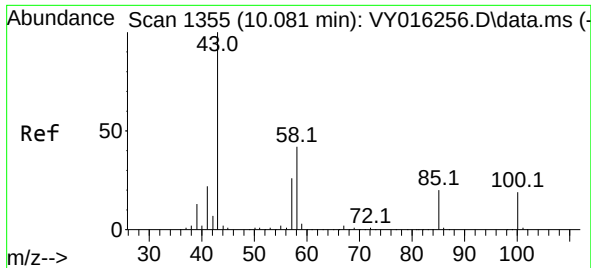
Tgt Ion: 98 Resp: 298606

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 85.861 ug/l

RT: 10.075 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

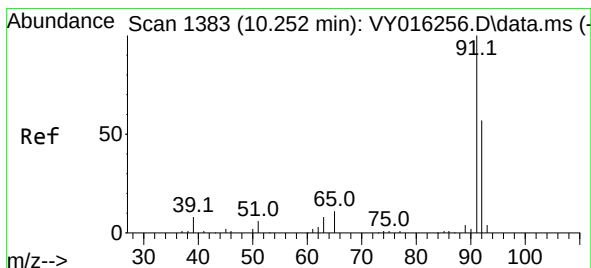
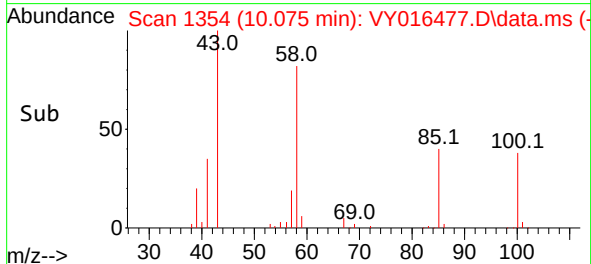
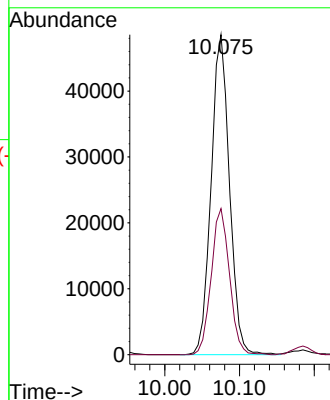
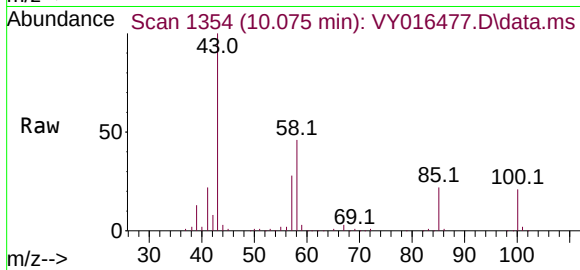
ClientSampleId :

Tgt Ion: 43 Resp: 83001

Ion Ratio Lower Upper

43 100

58 45.5 29.0 43.6#



#52

Toluene

Concen: 21.326 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.006 min

Lab File: VY016477.D

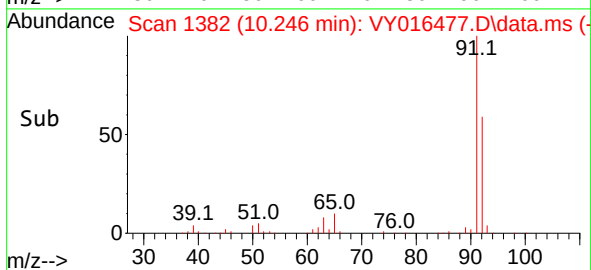
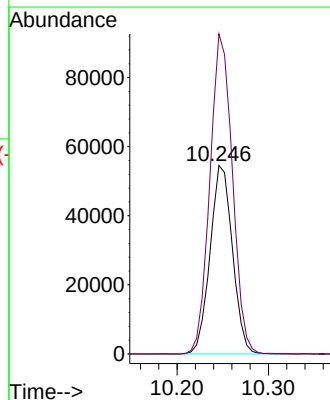
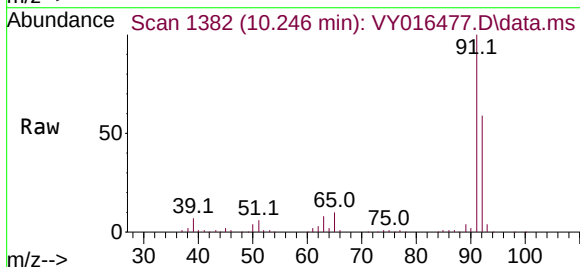
Acq: 24 Nov 2023 11:53

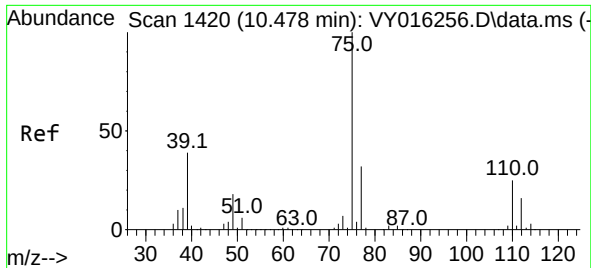
Tgt Ion: 92 Resp: 92702

Ion Ratio Lower Upper

92 100

91 170.9 143.8 215.6

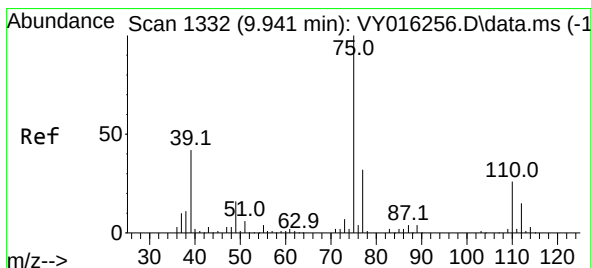
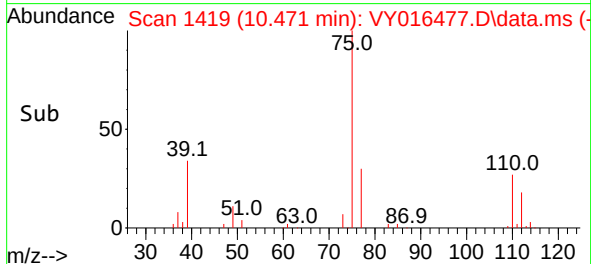
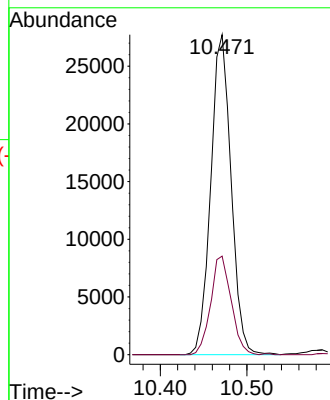
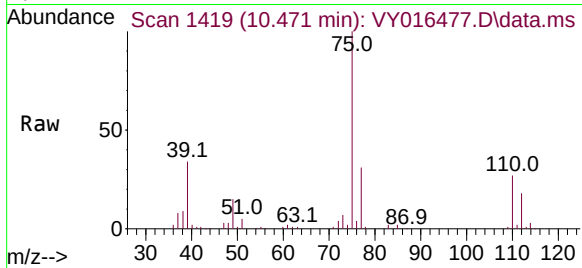




#53  
t-1,3-Dichloropropene  
Concen: 20.287 ug/l  
RT: 10.471 min Scan# 1419  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

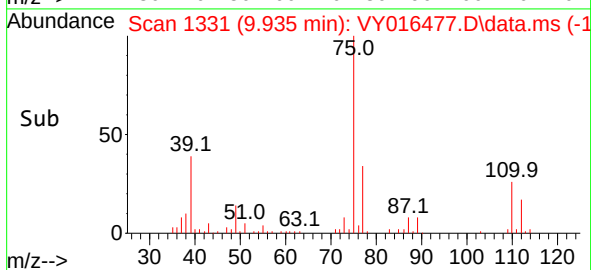
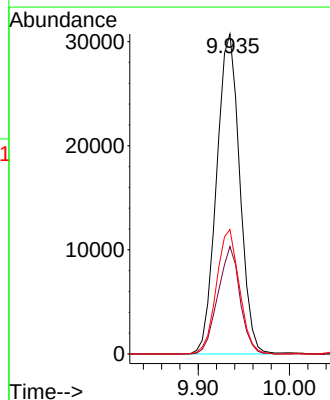
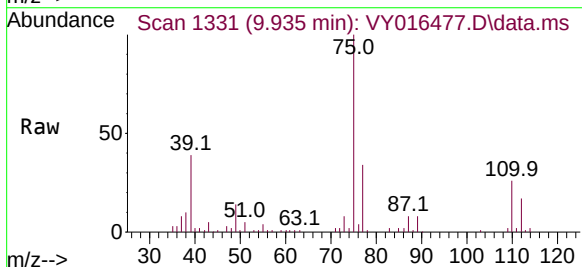
Instrument :  
MSVOA\_Y  
ClientSampleId :

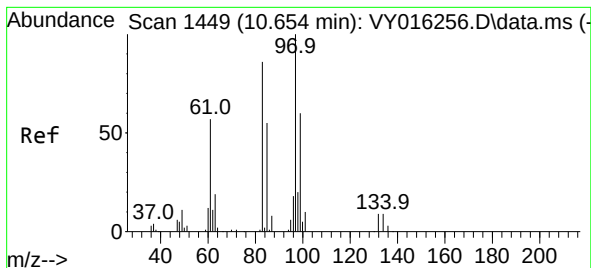
Tgt Ion: 75 Resp: 45251  
Ion Ratio Lower Upper  
75 100  
77 30.8 25.0 37.4



#54  
cis-1,3-Dichloropropene  
Concen: 20.360 ug/l  
RT: 9.935 min Scan# 1331  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 75 Resp: 54242  
Ion Ratio Lower Upper  
75 100  
77 33.5 24.2 36.4  
39 38.9 42.2 63.4#





#55

1,1,2-Trichloroethane

Concen: 21.390 ug/l

RT: 10.648 min Scan# 1448

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 26385

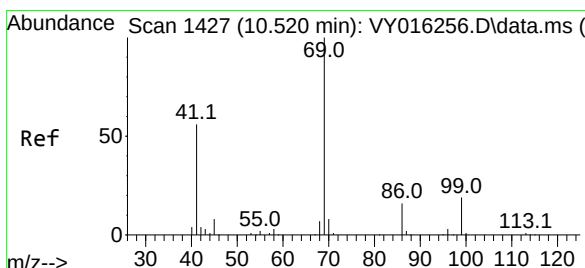
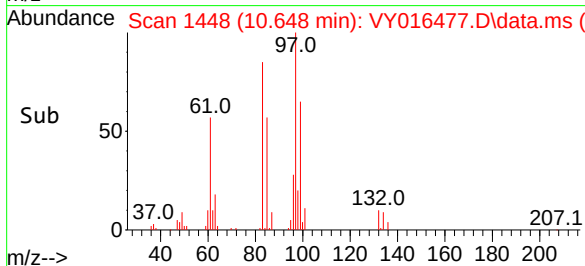
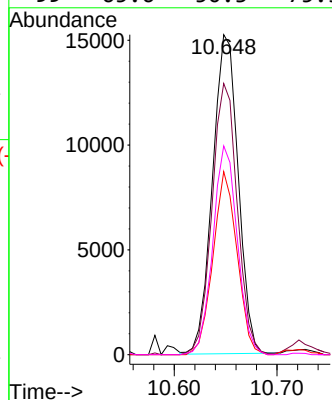
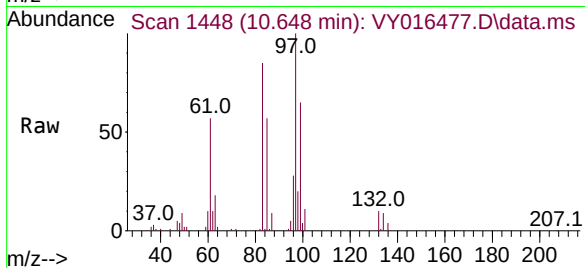
Ion Ratio Lower Upper

97 100

83 85.1 72.0 108.0

85 57.5 45.4 68.0

99 65.6 50.3 75.5



#56

Ethyl methacrylate

Concen: 20.035 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

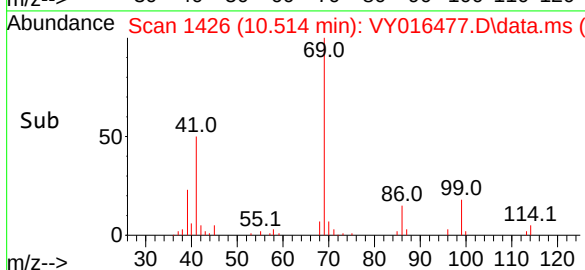
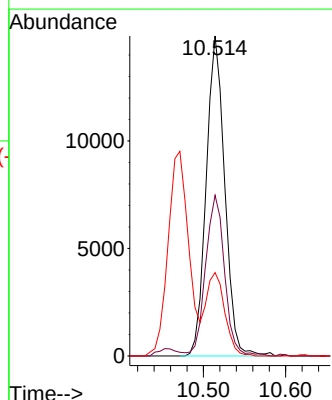
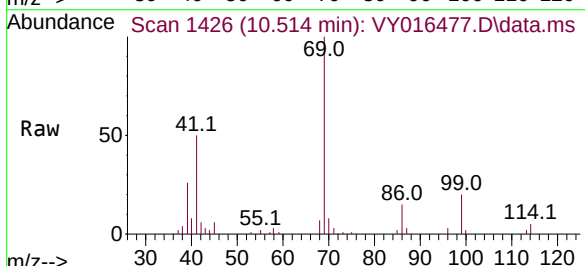
Tgt Ion: 69 Resp: 23329

Ion Ratio Lower Upper

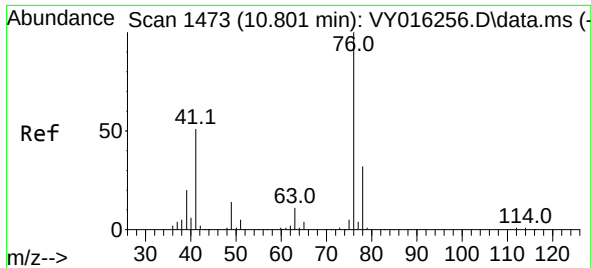
69 100

41 51.5 57.6 86.4#

39 26.1 34.1 51.1#



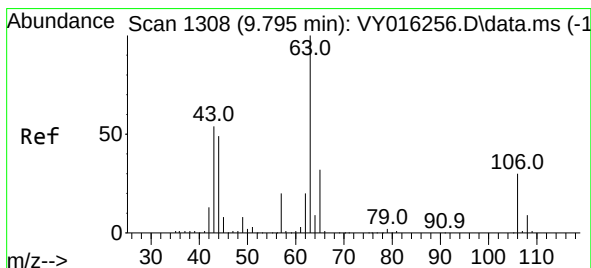
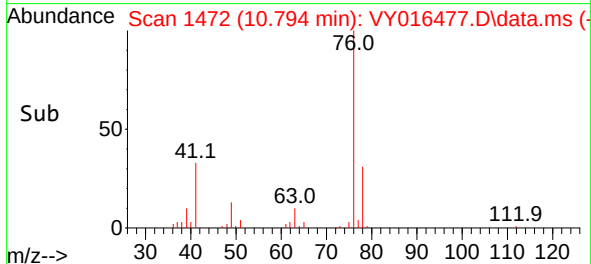
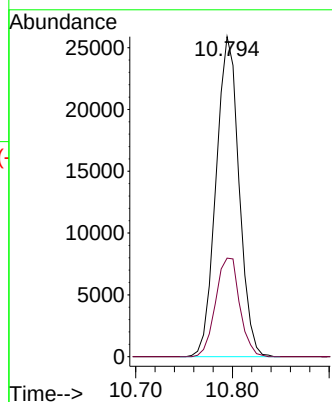
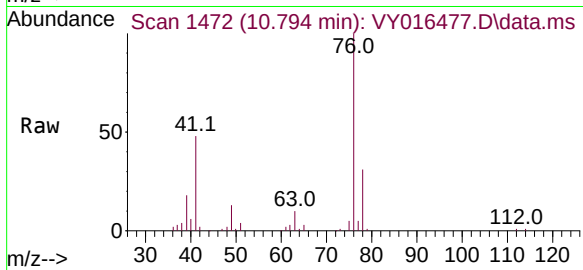




#57  
1,3-Dichloropropane  
Concen: 20.293 ug/l  
RT: 10.794 min Scan# 1472  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

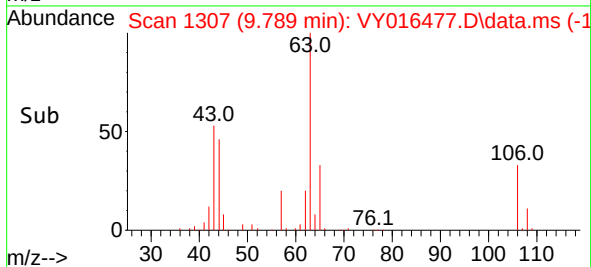
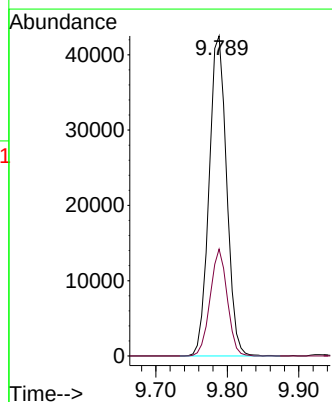
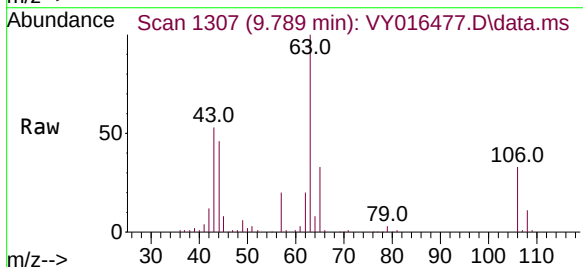
Instrument :  
MSVOA\_Y  
ClientSampleId :

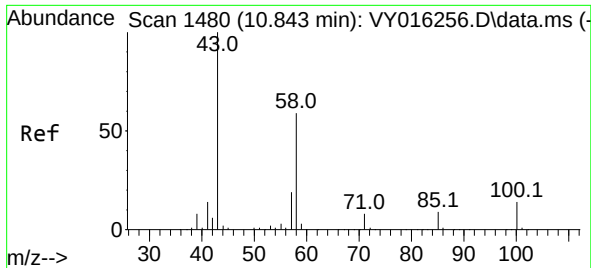
Tgt Ion: 76 Resp: 42669  
Ion Ratio Lower Upper  
76 100  
78 32.3 25.3 37.9



#58  
2-Chloroethyl Vinyl ether  
Concen: 91.797 ug/l  
RT: 9.789 min Scan# 1307  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 63 Resp: 72479  
Ion Ratio Lower Upper  
63 100  
106 32.4 21.2 31.8#

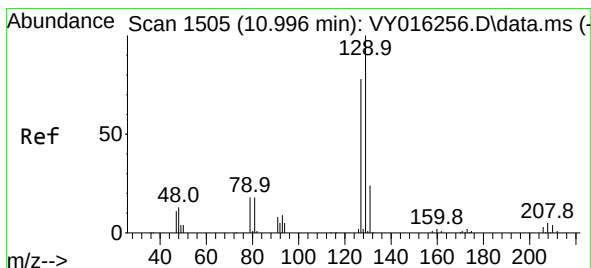
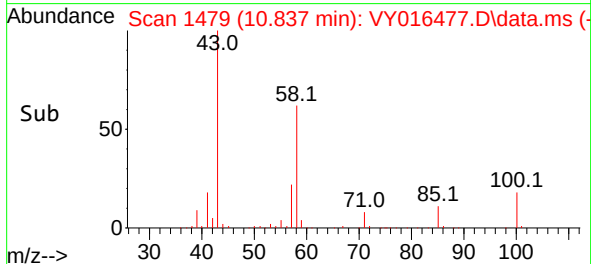
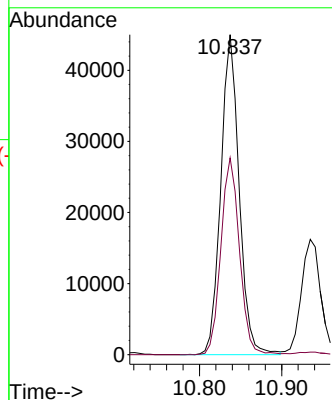
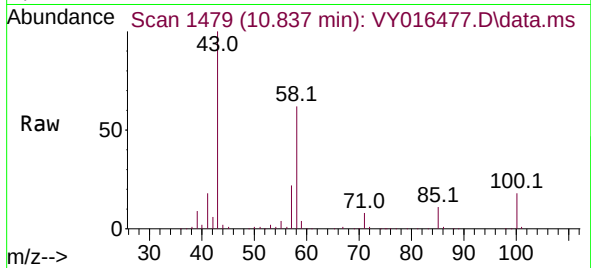




#59  
2-Hexanone  
Concen: 97.091 ug/l  
RT: 10.837 min Scan# 1480  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

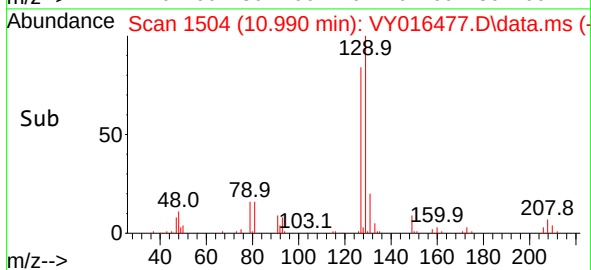
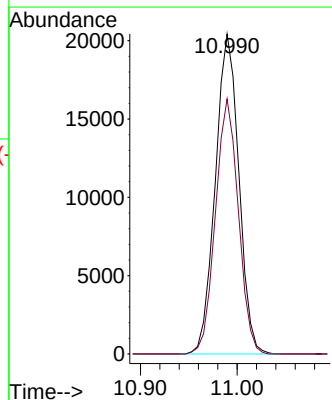
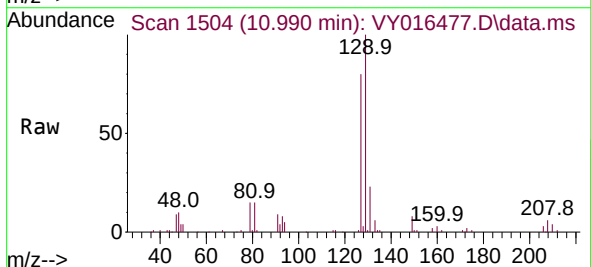
Instrument :  
MSVOA\_Y  
ClientSampleId :

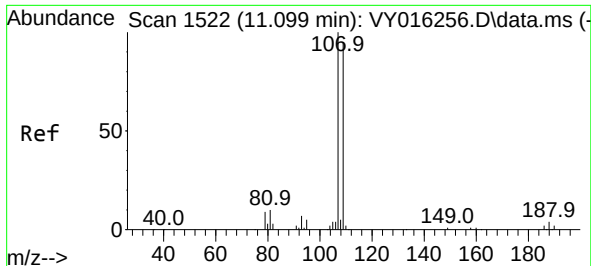
Tgt Ion: 43 Resp: 69813  
Ion Ratio Lower Upper  
43 100  
58 62.4 25.1 75.3



#60  
Dibromochloromethane  
Concen: 22.316 ug/l  
RT: 10.990 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 129 Resp: 34427  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.5 115.5

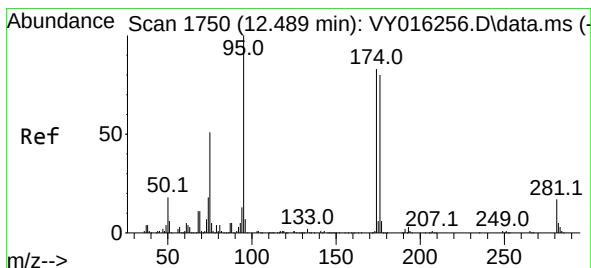
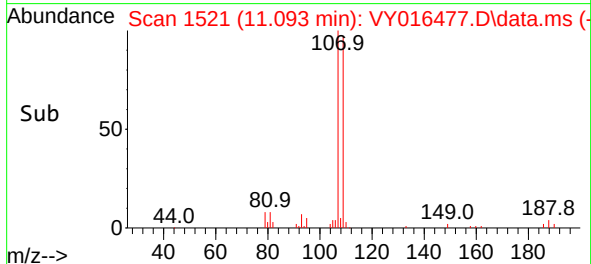
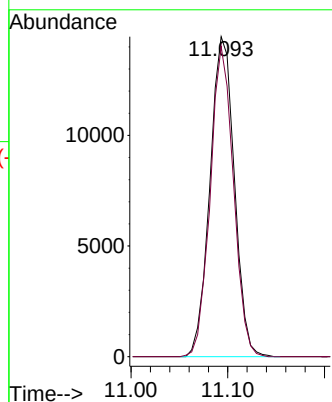
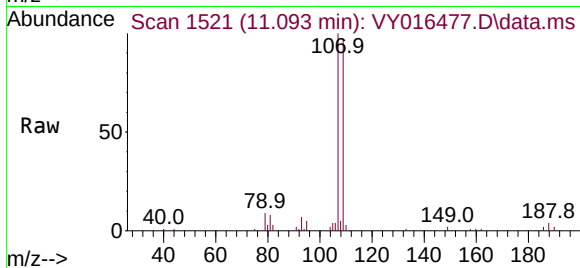




#61  
1,2-Dibromoethane  
Concen: 21.573 ug/l  
RT: 11.093 min Scan# 1521  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

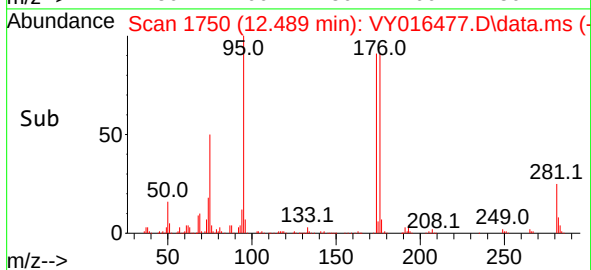
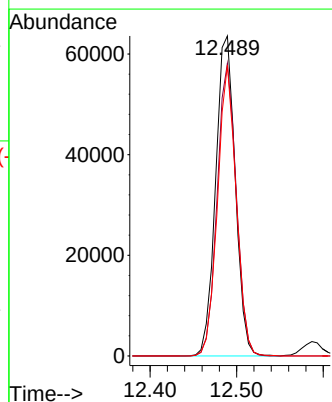
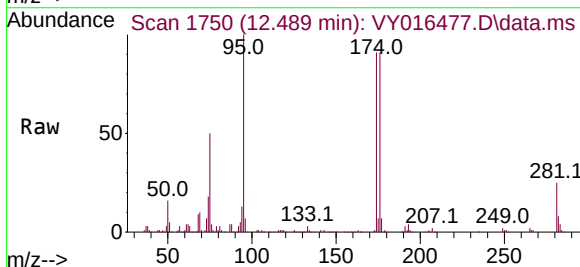
Instrument :  
MSVOA\_Y  
ClientSampleId :

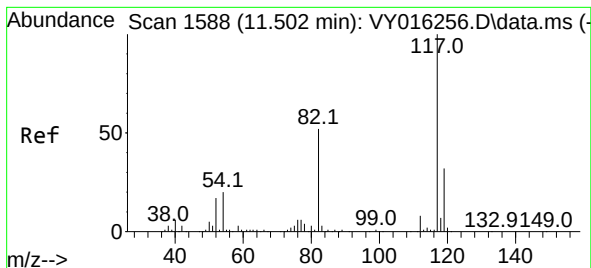
Tgt Ion:107 Resp: 25352  
Ion Ratio Lower Upper  
107 100  
109 92.2 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 53.904 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 95 Resp: 100076  
Ion Ratio Lower Upper  
95 100  
174 89.1 0.0 178.2  
176 86.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

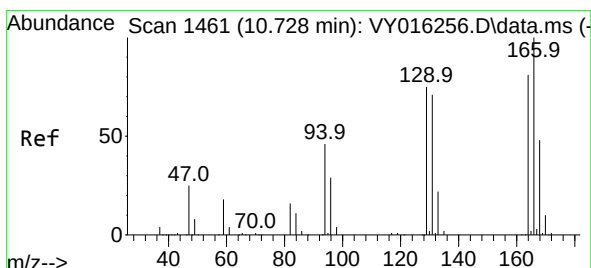
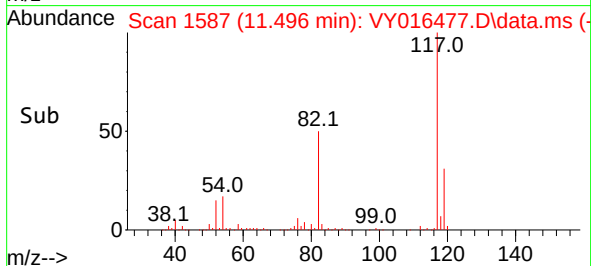
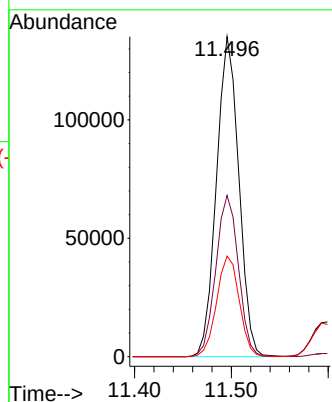
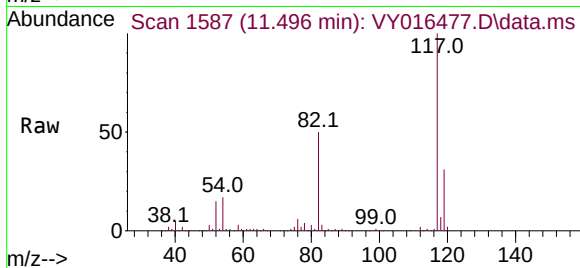
Tgt Ion:117 Resp: 217091

Ion Ratio Lower Upper

117 100

82 50.4 43.4 65.0

119 31.5 26.3 39.5



#64

Tetrachloroethene

Concen: 22.346 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Tgt Ion:164 Resp: 43558

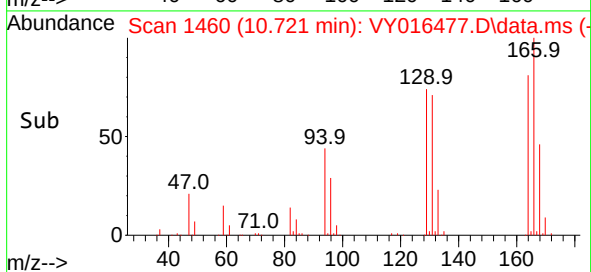
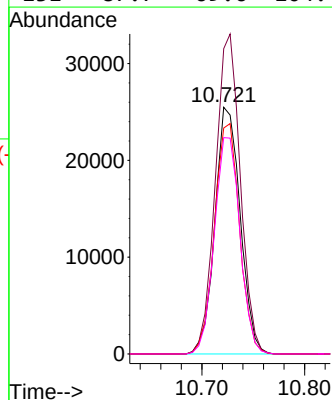
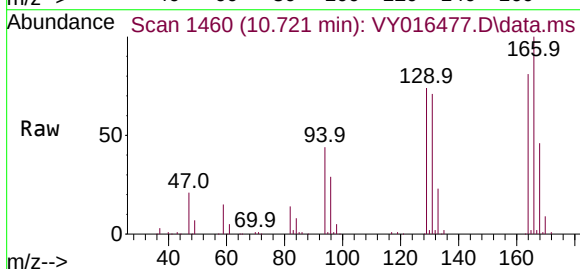
Ion Ratio Lower Upper

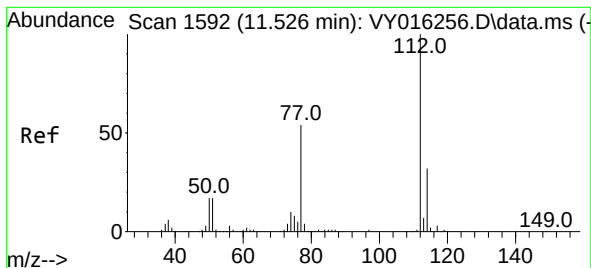
164 100

166 123.7 103.0 154.6

129 91.6 77.2 115.8

131 87.7 69.6 104.4





#65

Chlorobenzene

Concen: 21.268 ug/l

RT: 11.520 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

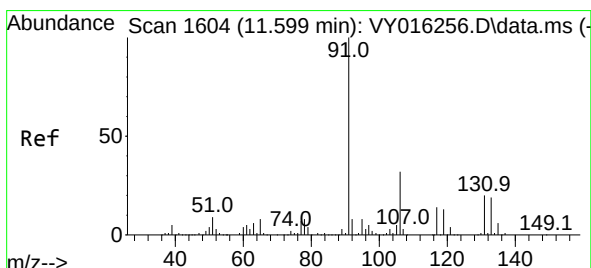
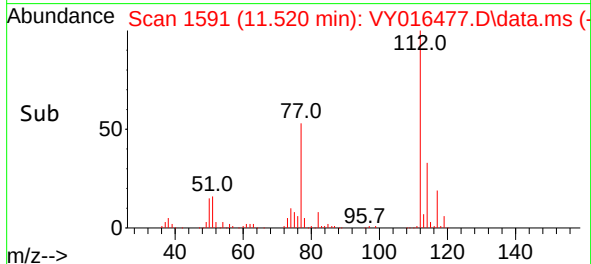
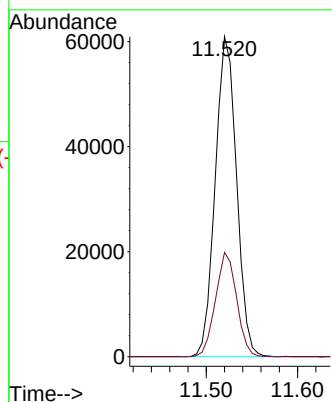
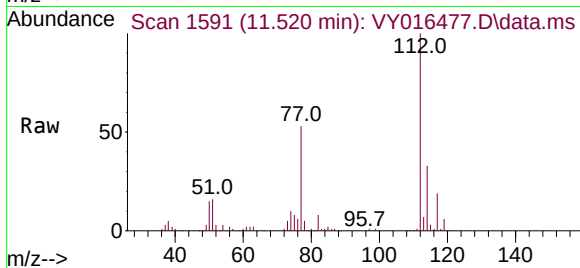
ClientSampleId :

Tgt Ion:112 Resp: 98643

Ion Ratio Lower Upper

112 100

114 32.6 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 22.285 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

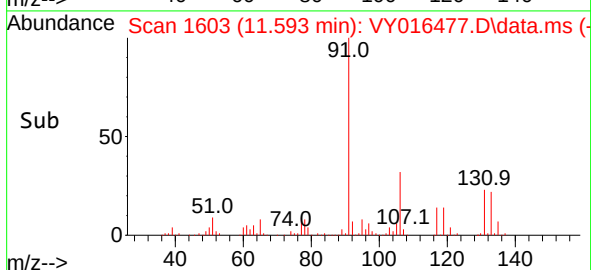
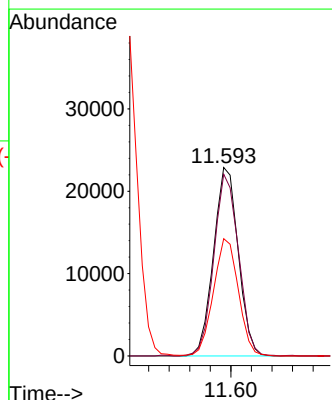
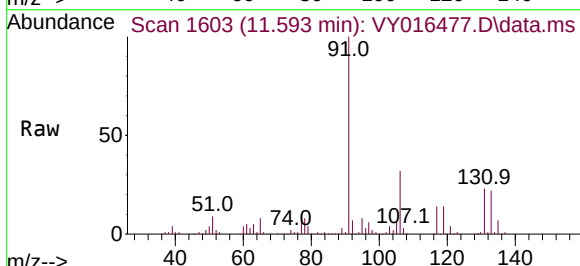
Tgt Ion:131 Resp: 38124

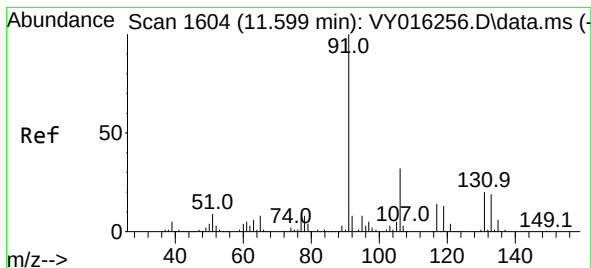
Ion Ratio Lower Upper

131 100

133 96.4 47.5 142.6

119 63.0 31.6 94.7





#67

Ethyl Benzene

Concen: 20.986 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.000 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

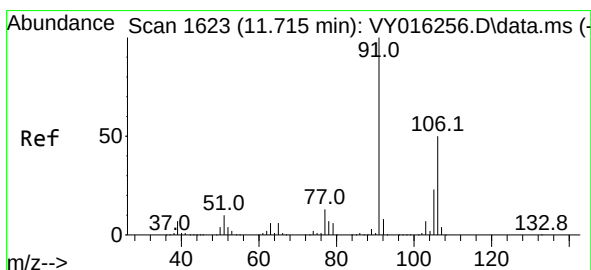
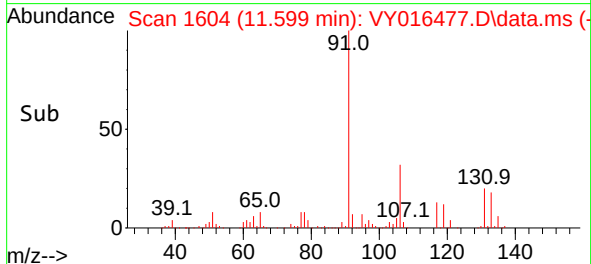
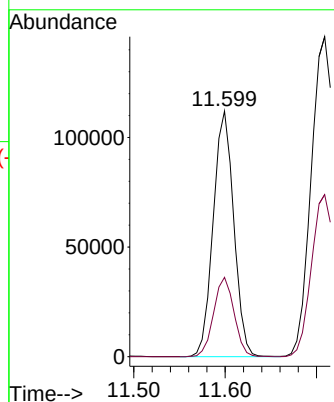
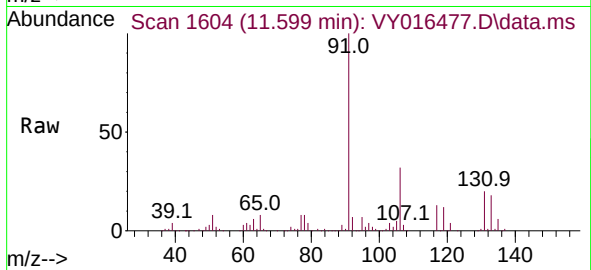
ClientSampleId :

Tgt Ion: 91 Resp: 174930

Ion Ratio Lower Upper

91 100

106 32.3 24.6 36.8



#68

m/p-Xylenes

Concen: 42.875 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. -0.006 min

Lab File: VY016477.D

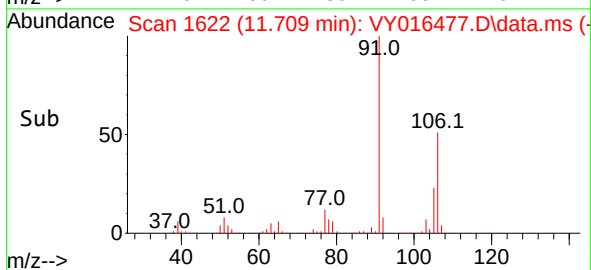
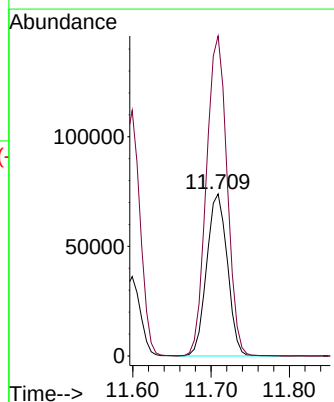
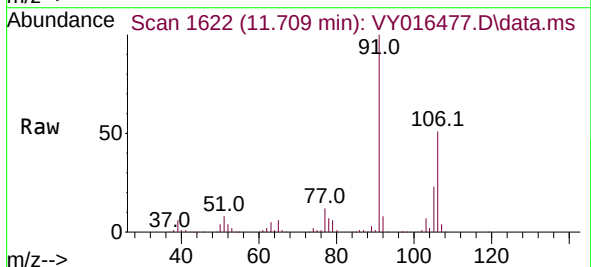
Acq: 24 Nov 2023 11:53

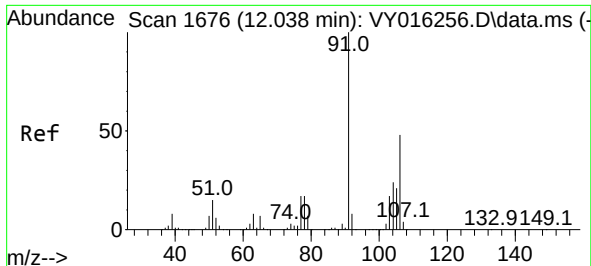
Tgt Ion:106 Resp: 135556

Ion Ratio Lower Upper

106 100

91 197.8 166.1 249.1

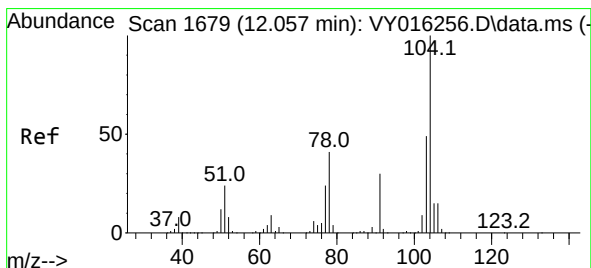
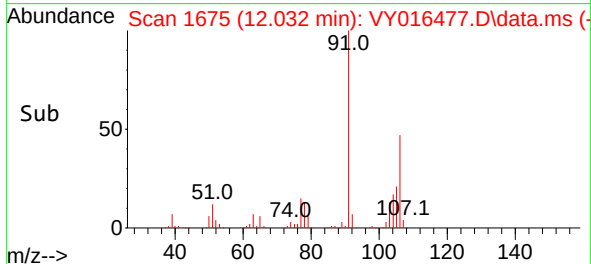
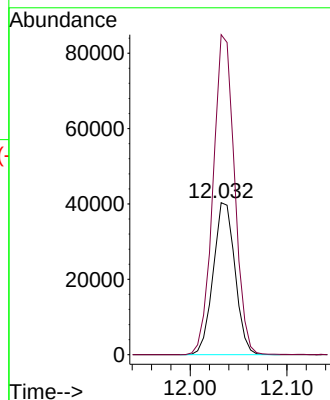
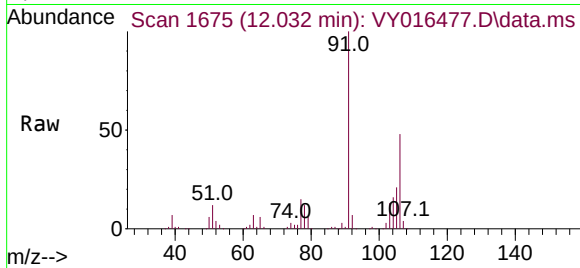




#69  
o-Xylene  
Concen: 21.537 ug/l  
RT: 12.032 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

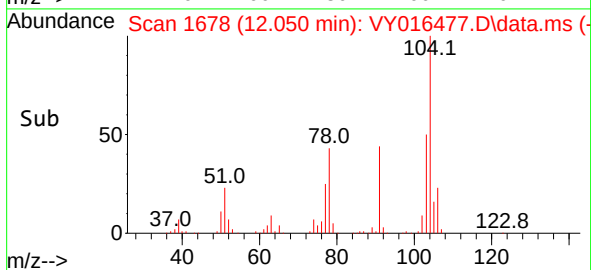
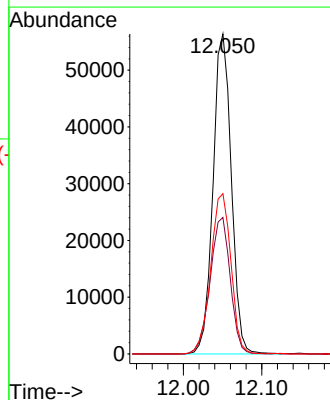
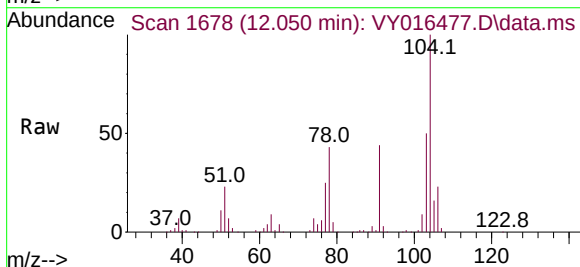
Instrument :  
MSVOA\_Y  
ClientSampleId :

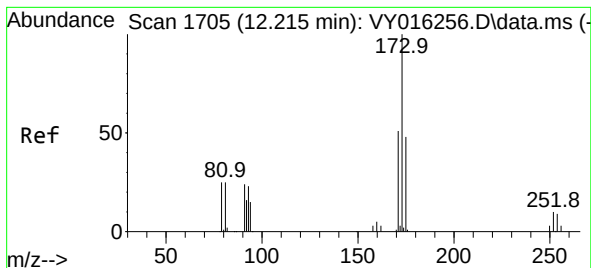
Tgt Ion:106 Resp: 63220  
Ion Ratio Lower Upper  
106 100  
91 207.5 108.1 324.3



#70  
Styrene  
Concen: 21.759 ug/l  
RT: 12.050 min Scan# 1678  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion:104 Resp: 91458  
Ion Ratio Lower Upper  
104 100  
78 47.1 41.5 62.3  
103 55.3 44.6 67.0





#71

Bromoform

Concen: 22.655 ug/l

RT: 12.215 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

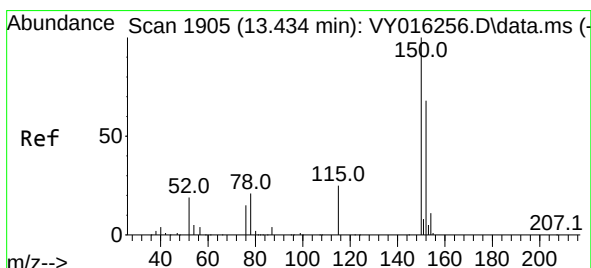
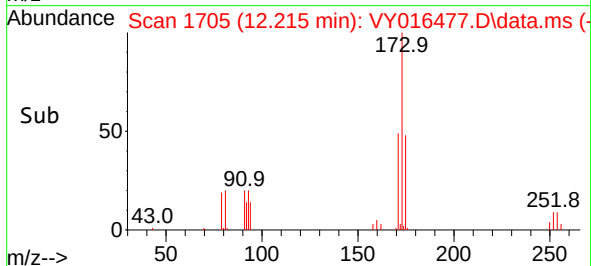
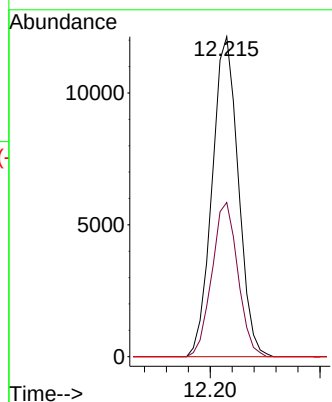
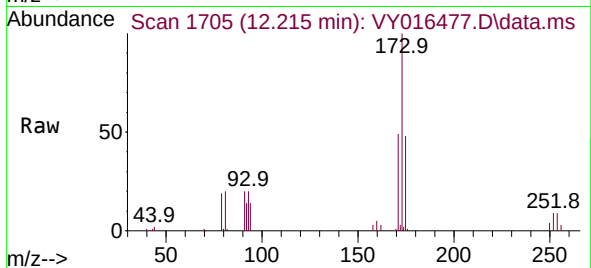
Tgt Ion:173 Resp: 20110

Ion Ratio Lower Upper

173 100

175 47.8 24.6 73.8

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

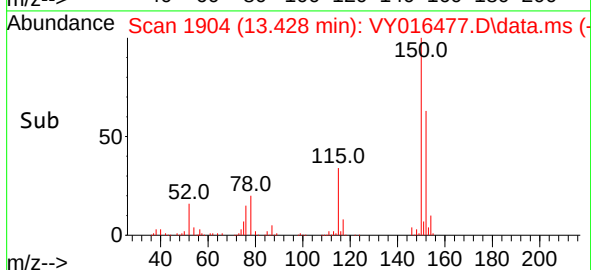
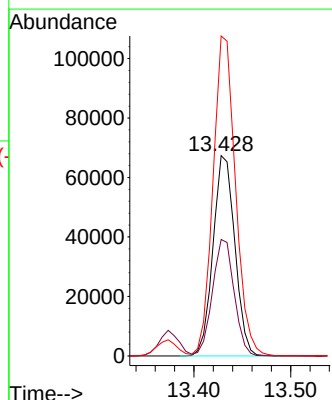
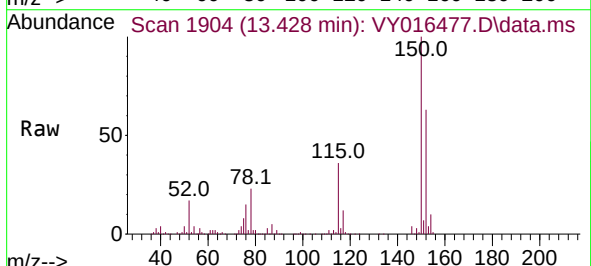
Tgt Ion:152 Resp: 105521

Ion Ratio Lower Upper

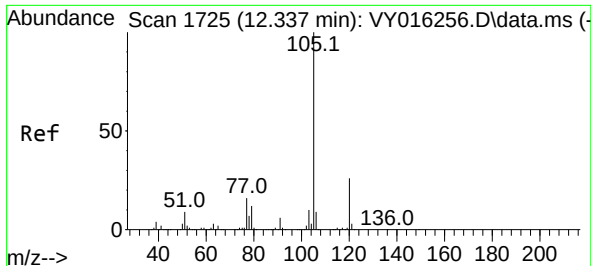
152 100

115 57.8 28.8 86.5

150 164.7 0.0 348.8

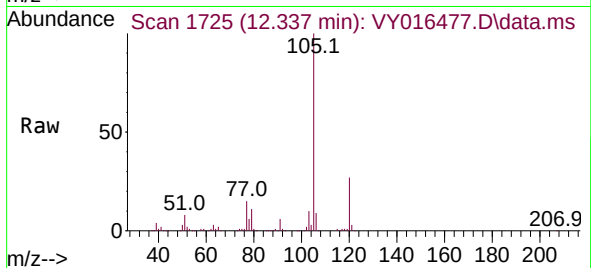




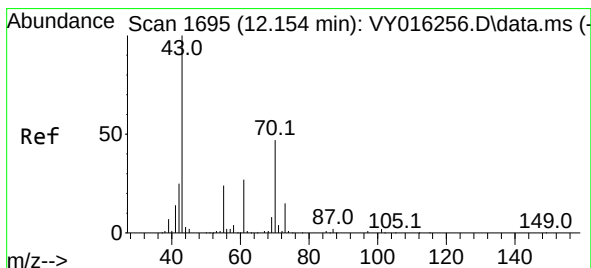
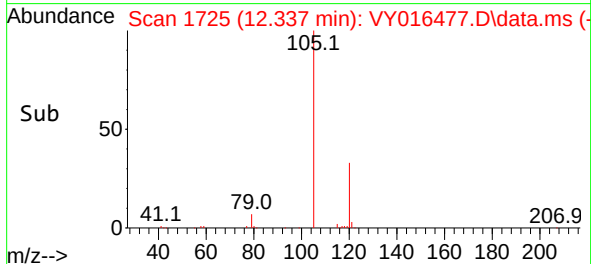
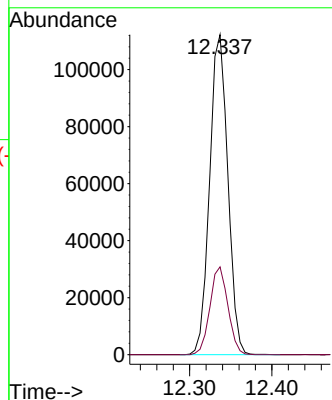


#73  
Isopropylbenzene  
Concen: 20.155 ug/l  
RT: 12.337 min Scan# 1725  
Delta R.T. -0.000 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

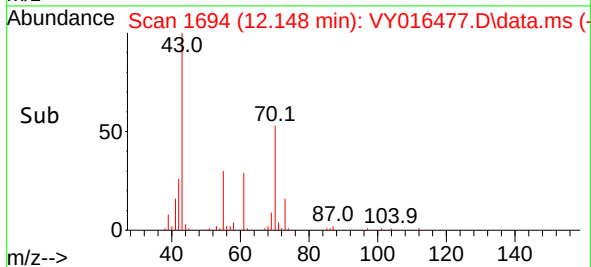
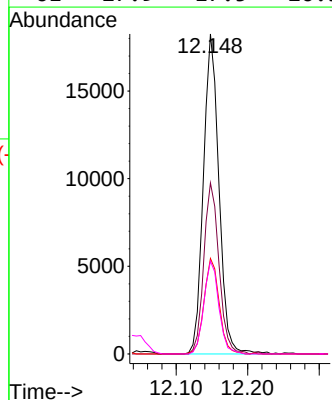
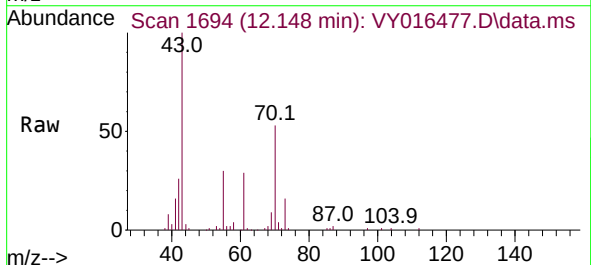


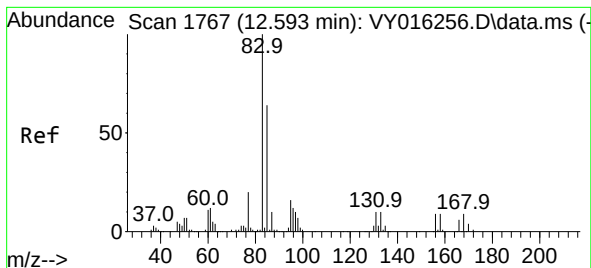
Tgt Ion:105 Resp: 172226  
Ion Ratio Lower Upper  
105 100  
120 27.1 13.3 39.9



#74  
N-ethyl acetate  
Concen: 16.066 ug/l  
RT: 12.148 min Scan# 1694  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 43 Resp: 27575  
Ion Ratio Lower Upper  
43 100  
70 52.3 29.7 44.5#  
55 29.2 18.3 27.5#  
61 27.9 17.5 26.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 19.451 ug/l

RT: 12.587 min Scan# 1766

Delta R.T. -0.006 min

Lab File: VY016477.D

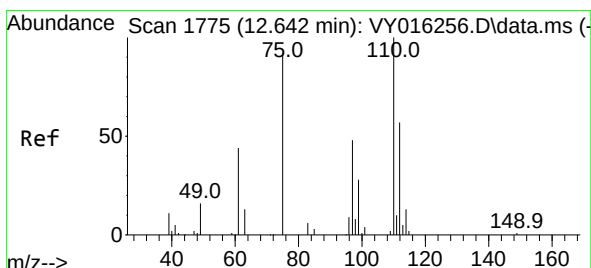
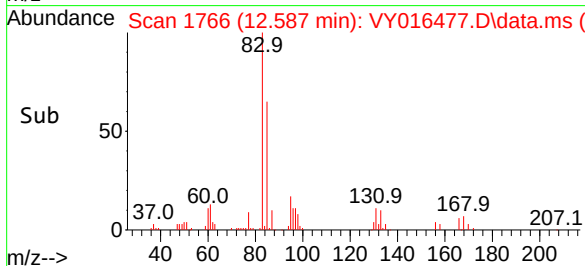
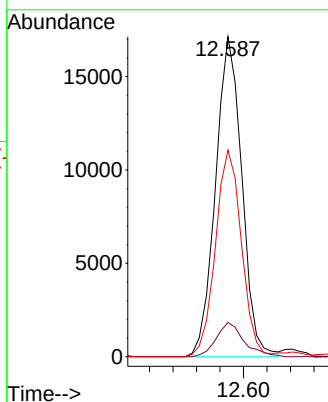
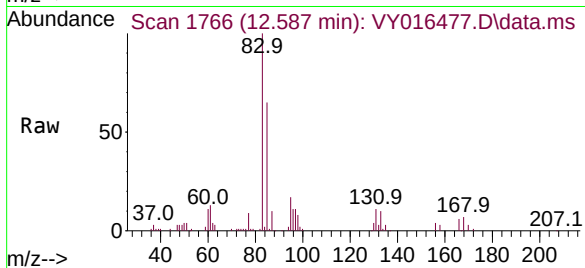
Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 26670 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.2  | 5.4   | 16.2  |
| 85       | 63.7  | 31.8  | 95.4  |



#76

1,2,3-Trichloropropane

Concen: 34.643 ug/l

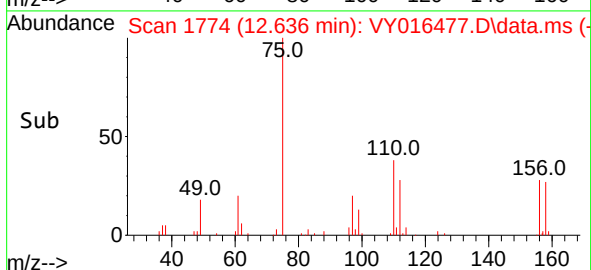
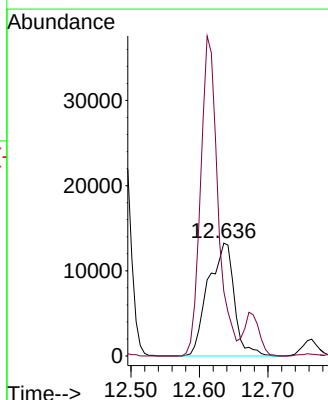
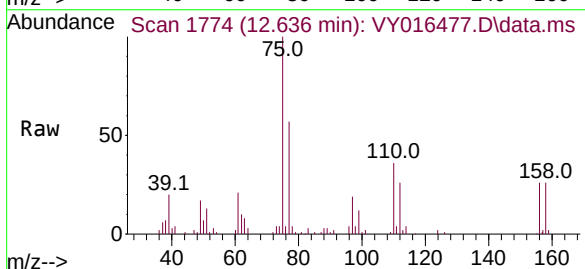
RT: 12.636 min Scan# 1774

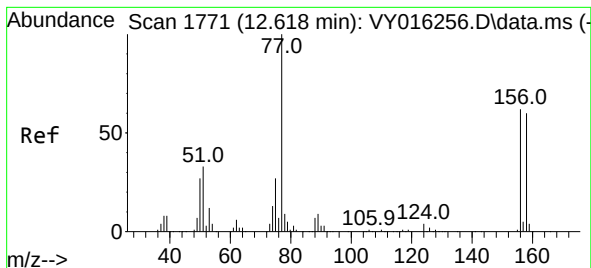
Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 35067 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.973 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. -0.000 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

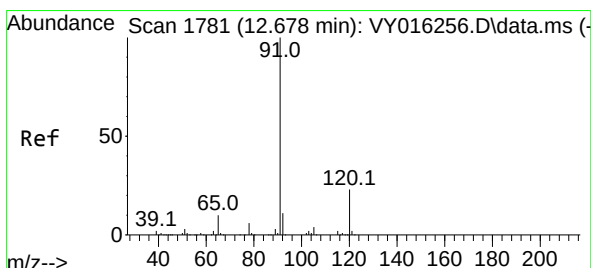
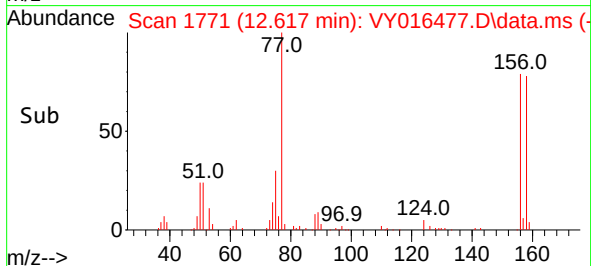
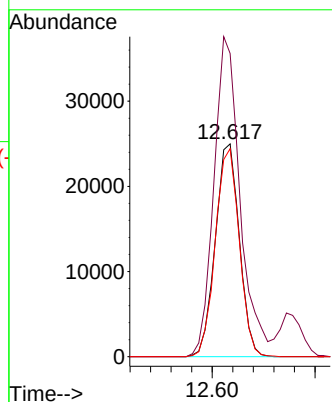
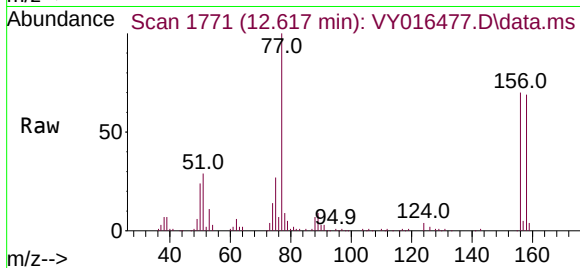
Tgt Ion:156 Resp: 40505

Ion Ratio Lower Upper

156 100

77 163.4 92.8 278.6

158 97.3 48.4 145.3



#78

n-propylbenzene

Concen: 19.990 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VY016477.D

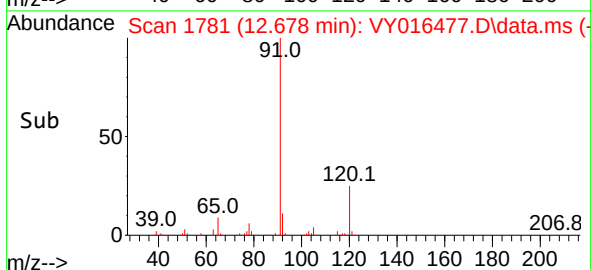
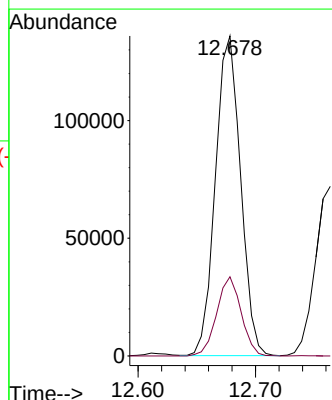
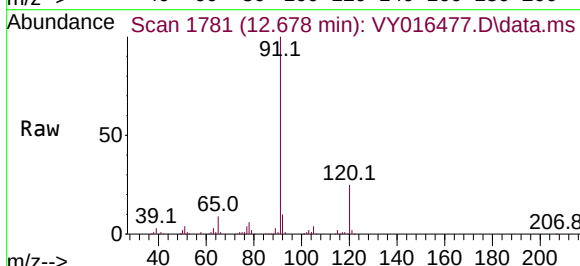
Acq: 24 Nov 2023 11:53

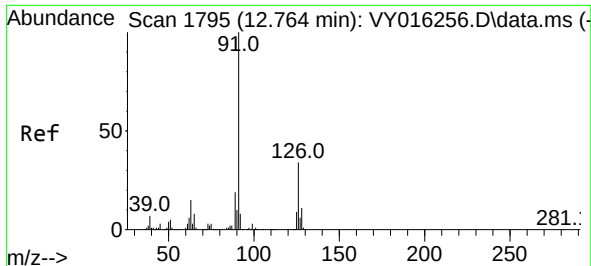
Tgt Ion: 91 Resp: 201864

Ion Ratio Lower Upper

91 100

120 24.1 11.5 34.4

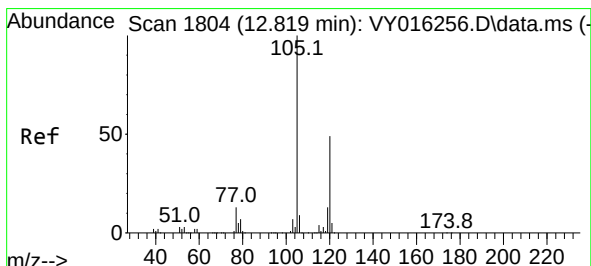
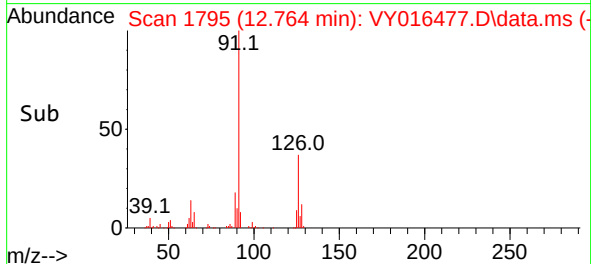
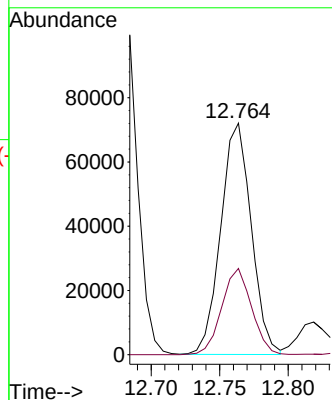
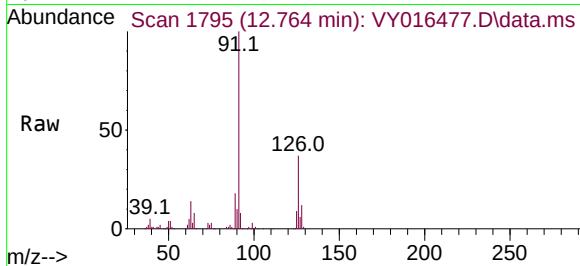




#79  
2-Chlorotoluene  
Concen: 20.037 ug/l  
RT: 12.764 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

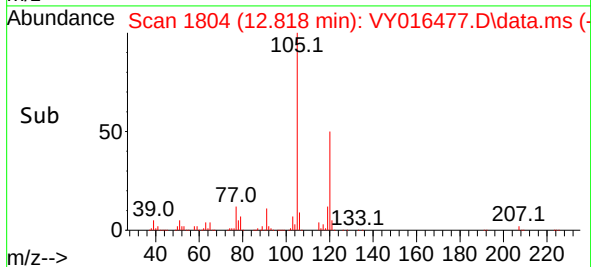
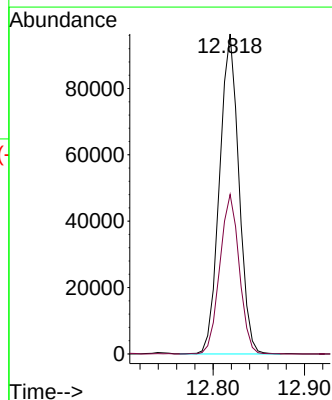
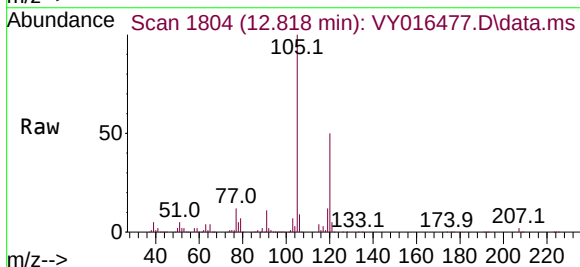
Instrument :  
MSVOA\_Y  
ClientSampleId :

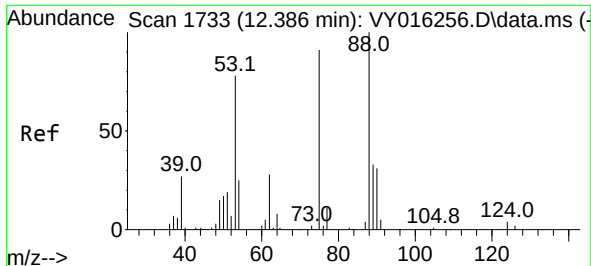
Tgt Ion: 91 Resp: 111507  
Ion Ratio Lower Upper  
91 100  
126 36.5 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 20.587 ug/l  
RT: 12.818 min Scan# 1804  
Delta R.T. -0.000 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 105 Resp: 141831  
Ion Ratio Lower Upper  
105 100  
120 50.0 23.9 71.7

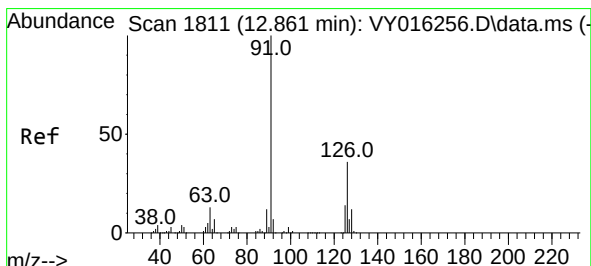
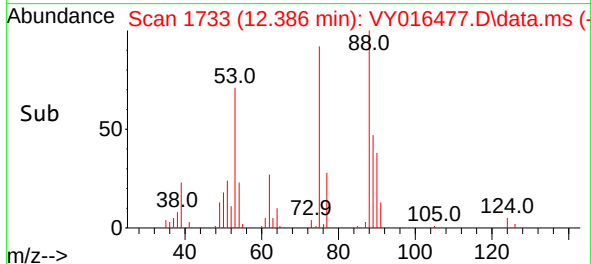
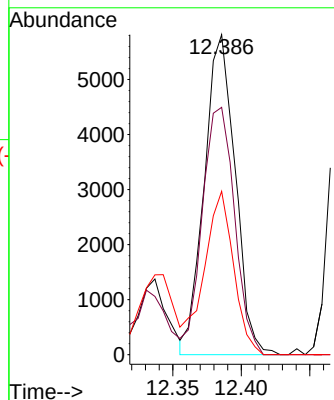
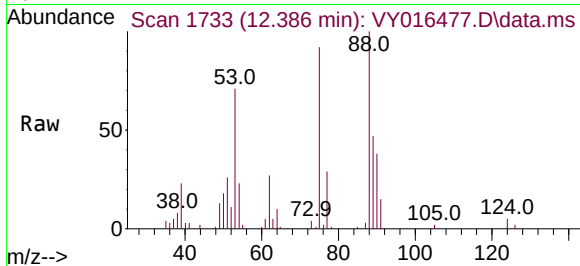




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.543 ug/l  
RT: 12.386 min Scan# 1733  
Delta R.T. -0.000 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

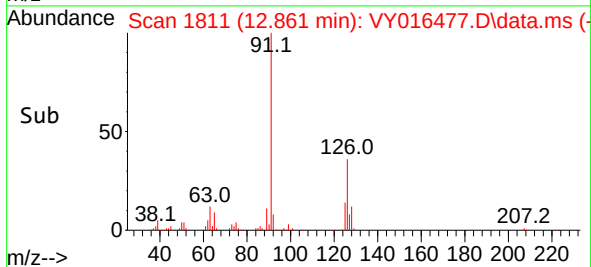
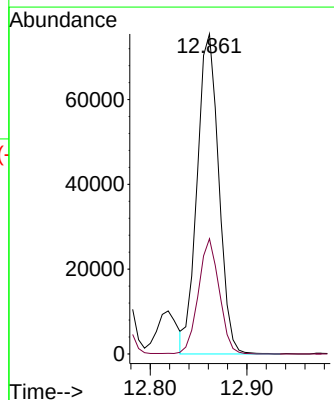
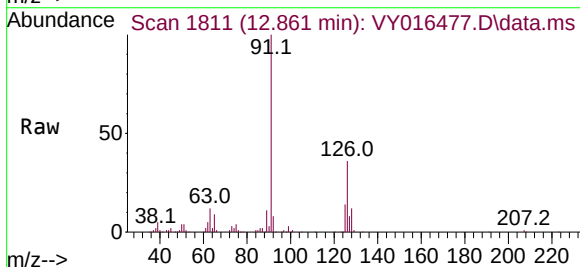
Instrument :  
MSVOA\_Y  
ClientSampleId :

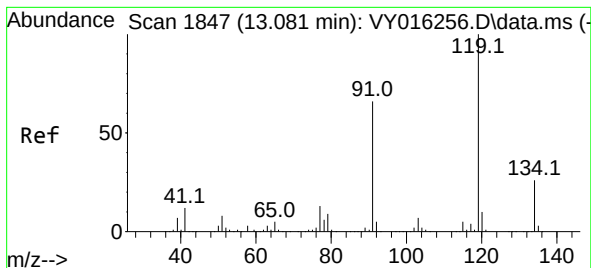
Tgt Ion: 75 Resp: 9114  
Ion Ratio Lower Upper  
75 100  
53 80.8 77.8 116.8  
89 48.8 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 20.353 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 91 Resp: 117039  
Ion Ratio Lower Upper  
91 100  
126 34.8 17.2 51.6





#83

tert-Butylbenzene

Concen: 20.479 ug/l

RT: 13.081 min Scan# 119

Delta R.T. -0.000 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

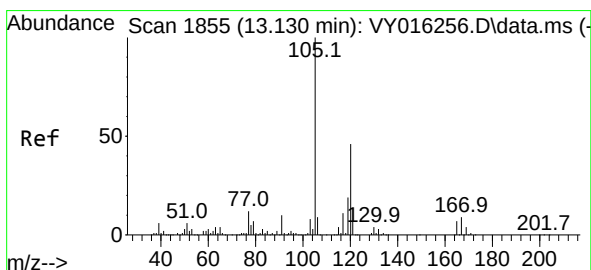
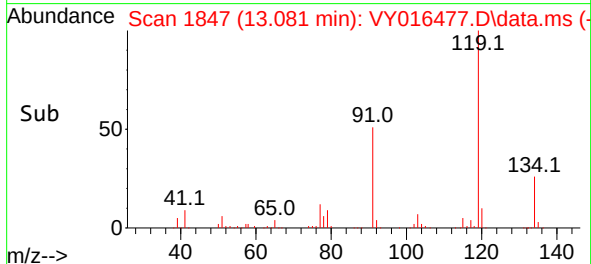
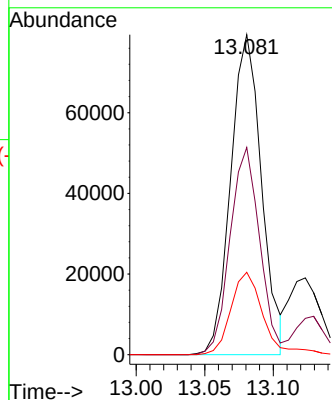
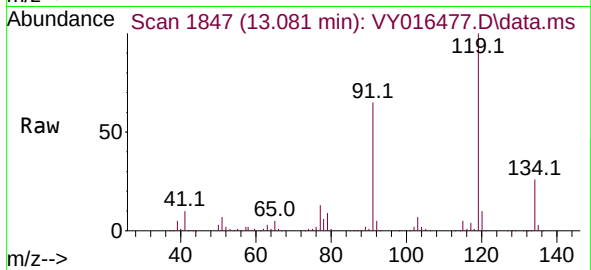
Tgt Ion:119 Resp: 124268

Ion Ratio Lower Upper

119 100

91 62.1 32.9 98.6

134 26.9 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 20.597 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY016477.D

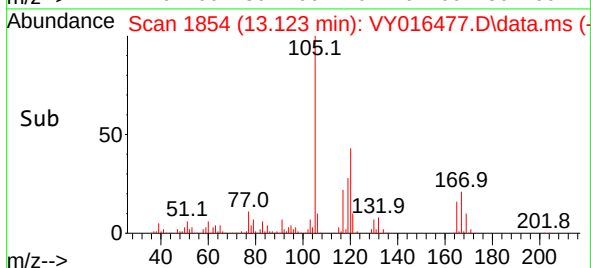
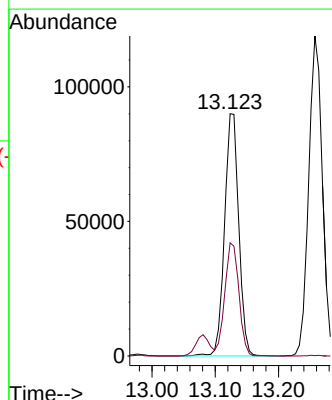
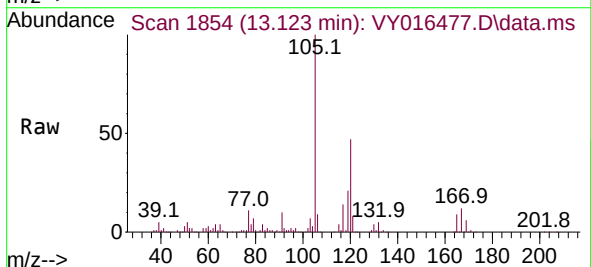
Acq: 24 Nov 2023 11:53

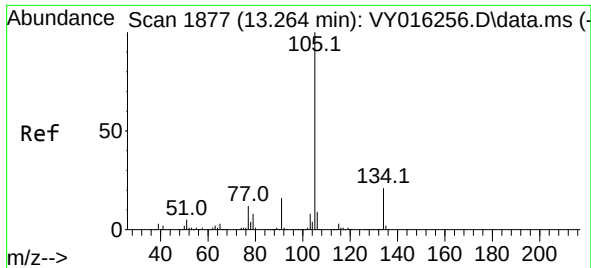
Tgt Ion:105 Resp: 139722

Ion Ratio Lower Upper

105 100

120 46.3 22.2 66.6

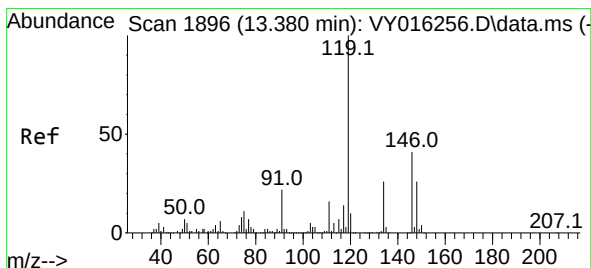
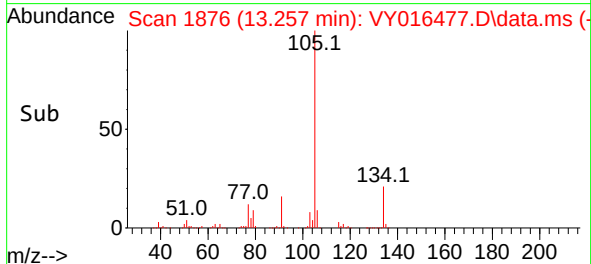
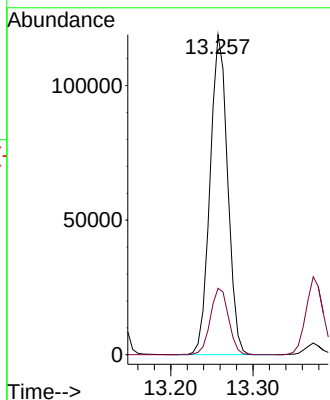
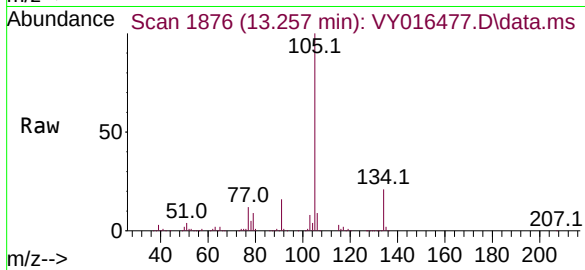




#85  
 sec-Butylbenzene  
 Concen: 20.433 ug/l  
 RT: 13.257 min Scan# 1876  
 Delta R.T. -0.006 min  
 Lab File: VY016477.D  
 Acq: 24 Nov 2023 11:53

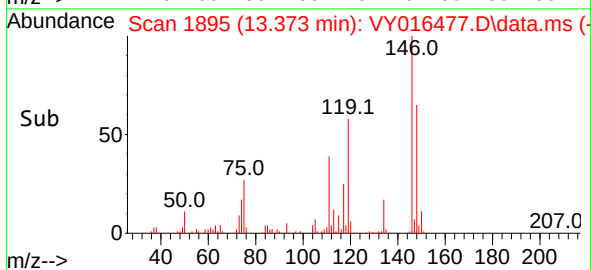
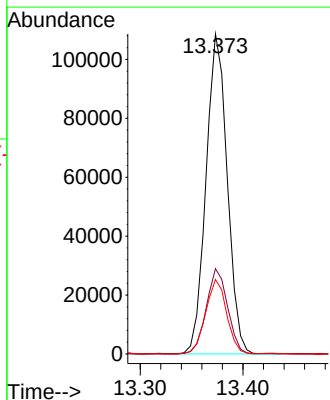
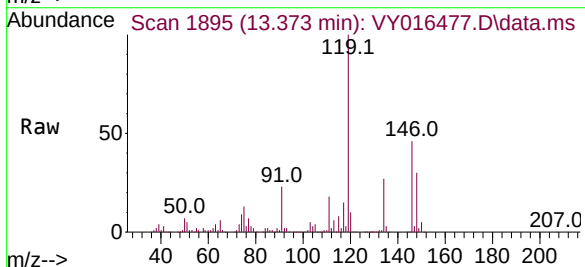
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

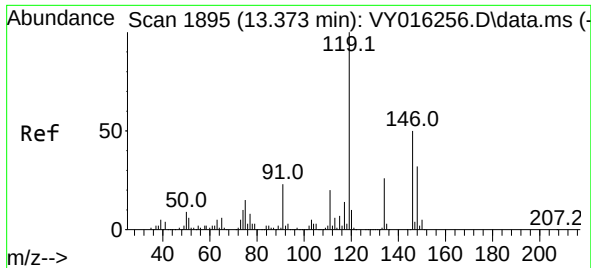
Tgt Ion:105 Resp: 177135  
 Ion Ratio Lower Upper  
 105 100  
 134 21.3 10.2 30.6



#86  
 p-Isopropyltoluene  
 Concen: 20.934 ug/l  
 RT: 13.373 min Scan# 1895  
 Delta R.T. -0.006 min  
 Lab File: VY016477.D  
 Acq: 24 Nov 2023 11:53

Tgt Ion:119 Resp: 156266  
 Ion Ratio Lower Upper  
 119 100  
 134 26.7 13.3 39.8  
 91 23.1 12.4 37.4

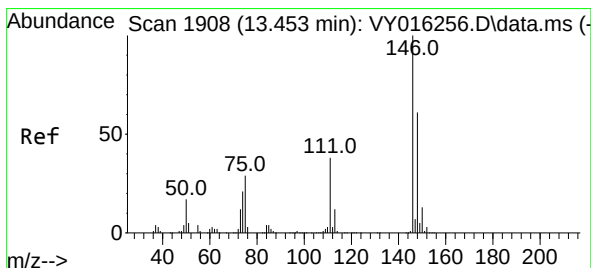
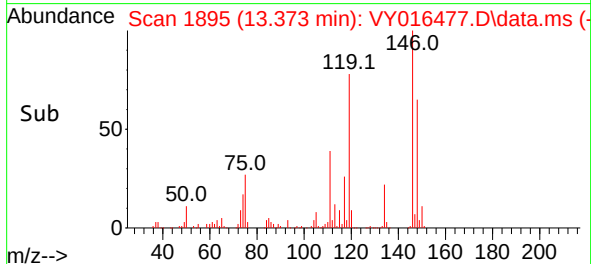
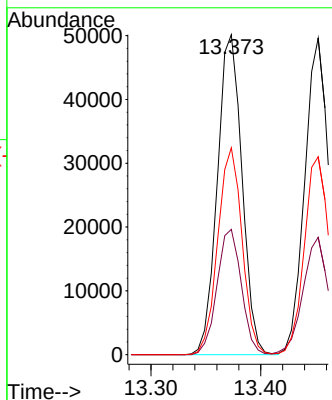
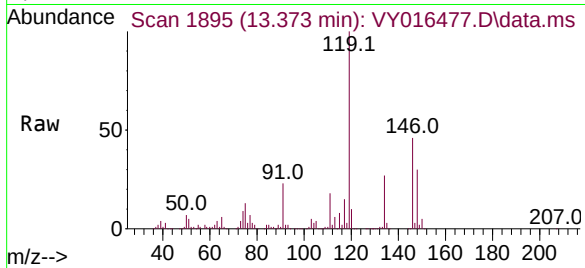




#87  
1,3-Dichlorobenzene  
Concen: 21.093 ug/l  
RT: 13.373 min Scan# 1895  
Delta R.T. -0.000 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

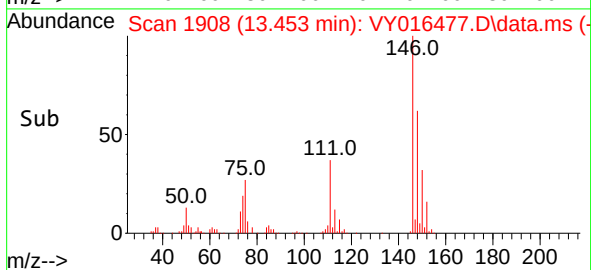
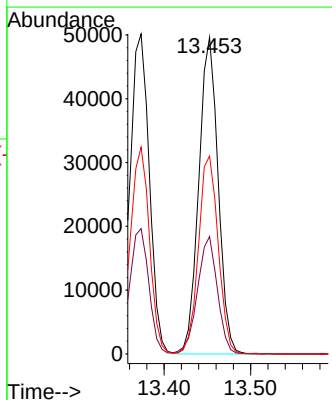
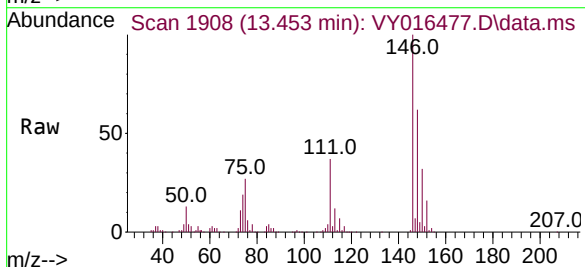
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:146 Resp: 78372  
Ion Ratio Lower Upper  
146 100  
111 38.7 19.4 58.2  
148 63.7 31.9 95.5

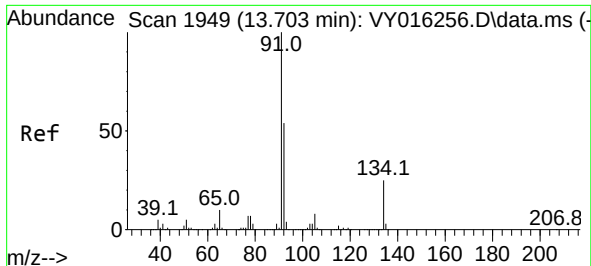


#88  
1,4-Dichlorobenzene  
Concen: 21.182 ug/l  
RT: 13.453 min Scan# 1908  
Delta R.T. -0.000 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion:146 Resp: 76915  
Ion Ratio Lower Upper  
146 100  
111 38.3 18.9 56.7  
148 64.0 32.1 96.5



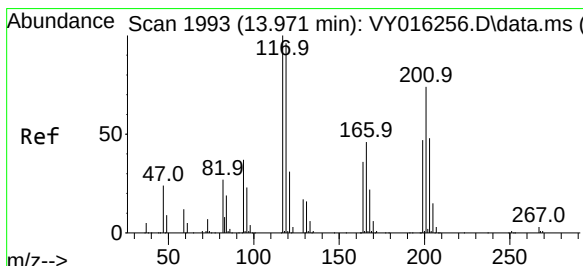
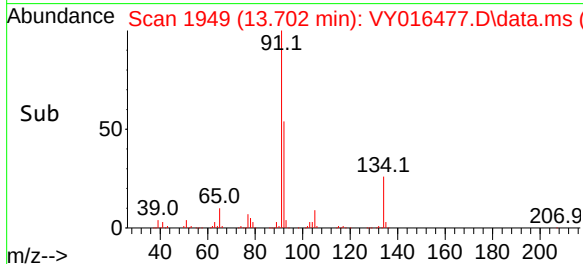
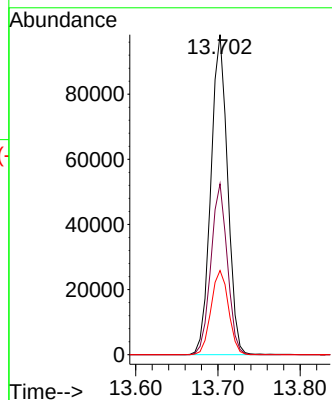
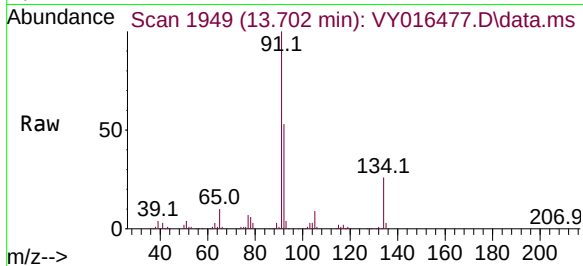




#89  
n-Butylbenzene  
Concen: 20.129 ug/l  
RT: 13.702 min Scan# 1949  
Delta R.T. -0.000 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

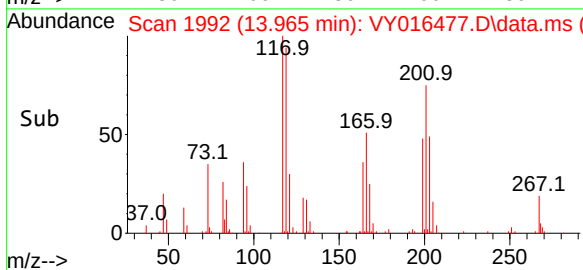
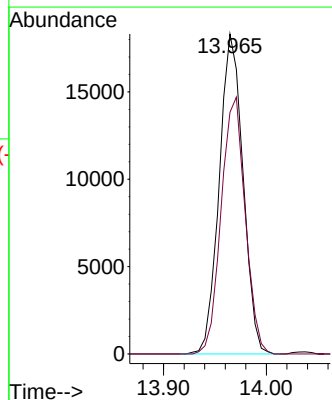
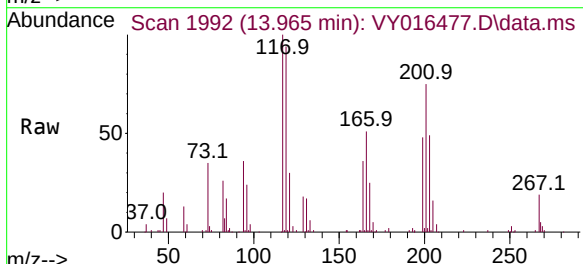
Instrument :  
MSVOA\_Y  
ClientSampleId :

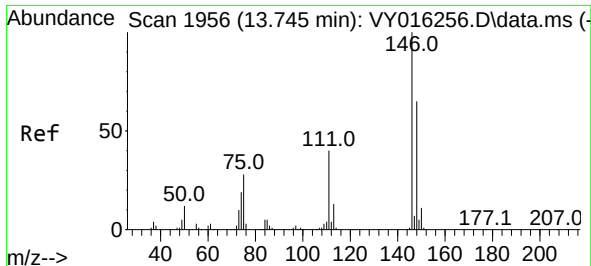
Tgt Ion: 91 Resp: 138768  
Ion Ratio Lower Upper  
91 100  
92 52.5 25.4 76.0  
134 27.4 12.6 37.6



#90  
Hexachloroethane  
Concen: 20.375 ug/l  
RT: 13.965 min Scan# 1992  
Delta R.T. -0.006 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 117 Resp: 29340  
Ion Ratio Lower Upper  
117 100  
201 81.2 41.6 124.8

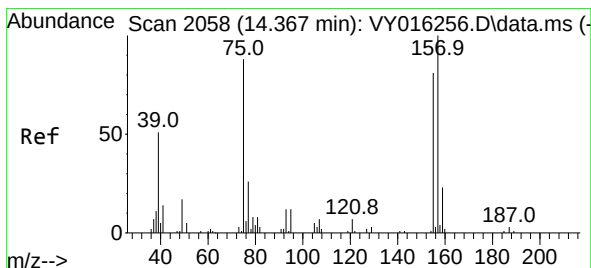
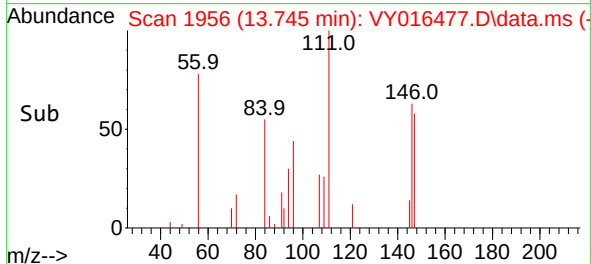
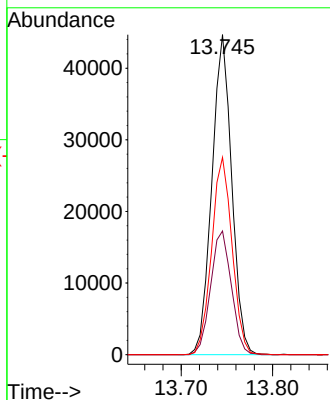
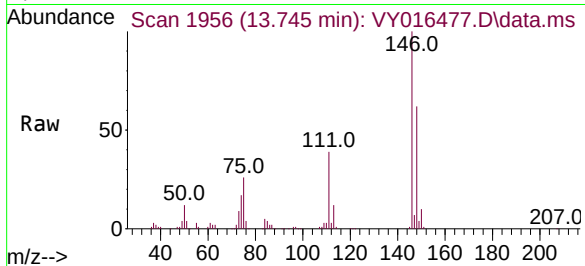




#91  
1,2-Dichlorobenzene  
Concen: 21.145 ug/l  
RT: 13.745 min Scan# 1956  
Delta R.T. -0.000 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

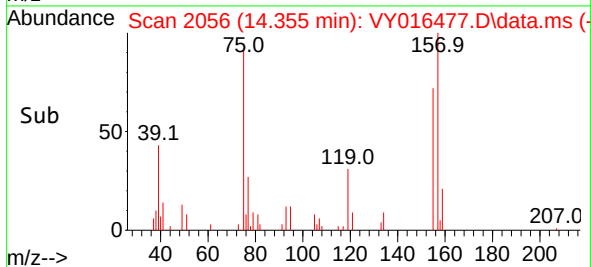
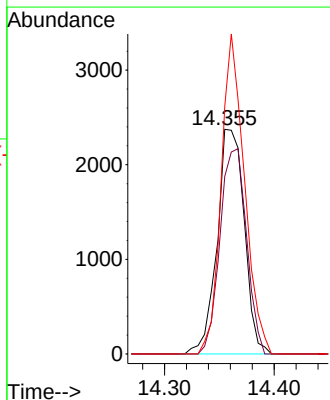
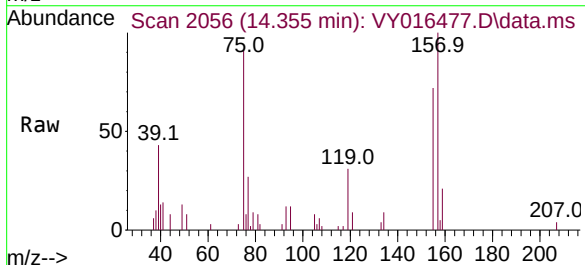
Instrument :  
MSVOA\_Y  
ClientSampleId :

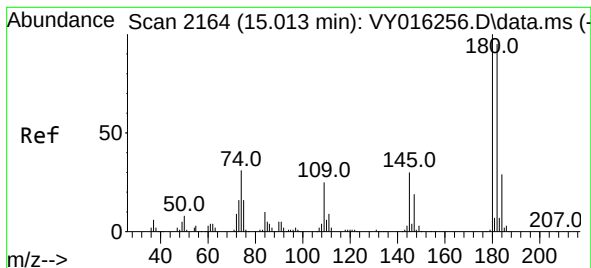
Tgt Ion:146 Resp: 67323  
Ion Ratio Lower Upper  
146 100  
111 40.3 19.7 59.0  
148 63.6 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.694 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. -0.012 min  
Lab File: VY016477.D  
Acq: 24 Nov 2023 11:53

Tgt Ion: 75 Resp: 4078  
Ion Ratio Lower Upper  
75 100  
155 89.3 41.5 124.6  
157 122.1 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 22.069 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. -0.000 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

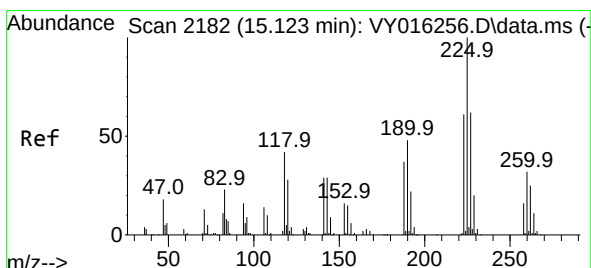
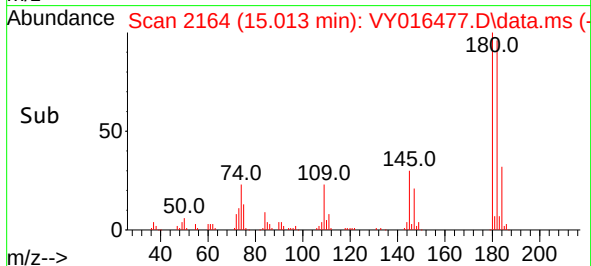
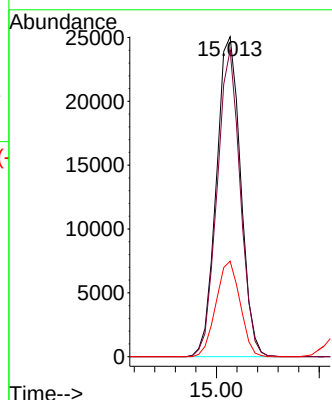
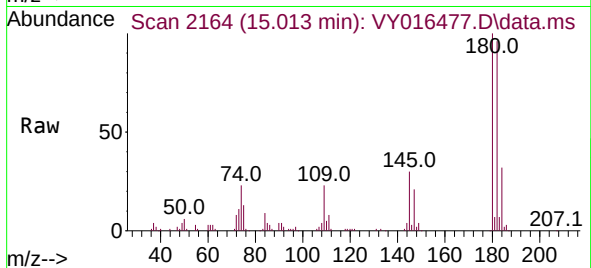
Tgt Ion:180 Resp: 41013

Ion Ratio Lower Upper

180 100

182 91.5 47.0 141.2

145 29.6 14.5 43.5



#94

Hexachlorobutadiene

Concen: 23.129 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

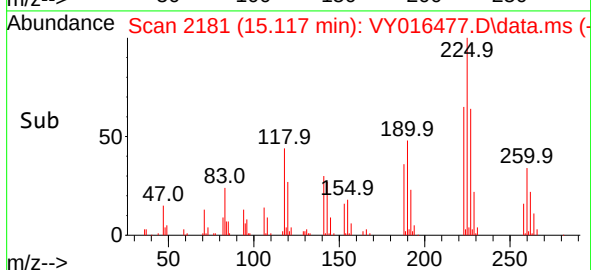
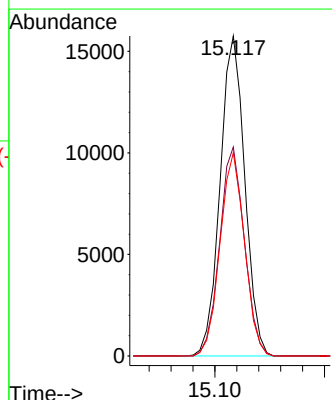
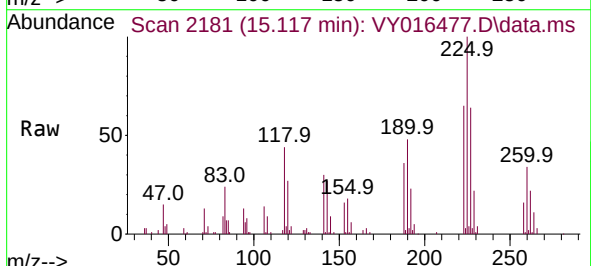
Tgt Ion:225 Resp: 24625

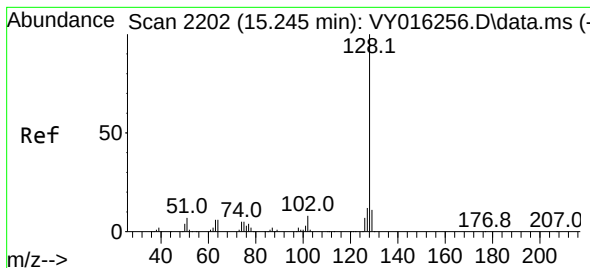
Ion Ratio Lower Upper

225 100

223 65.4 31.9 95.9

227 62.9 33.0 98.9





#95

Naphthalene

Concen: 20.390 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY016477.D

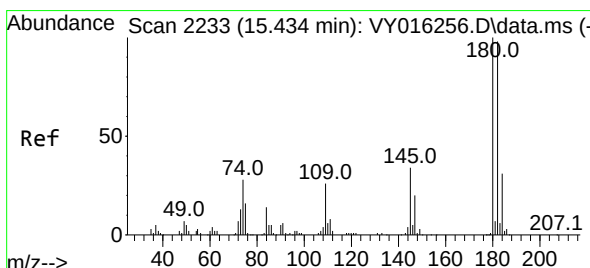
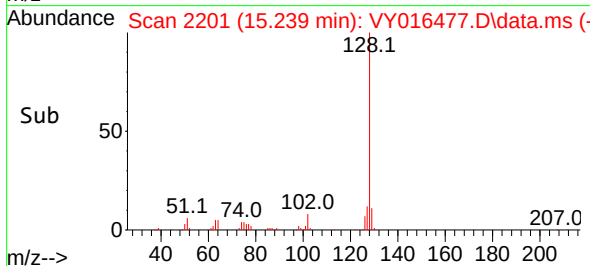
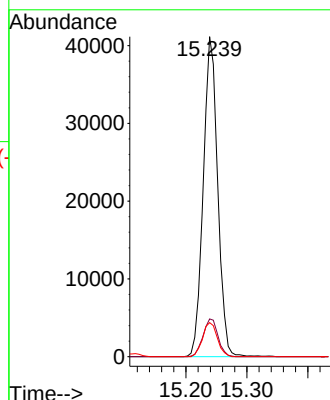
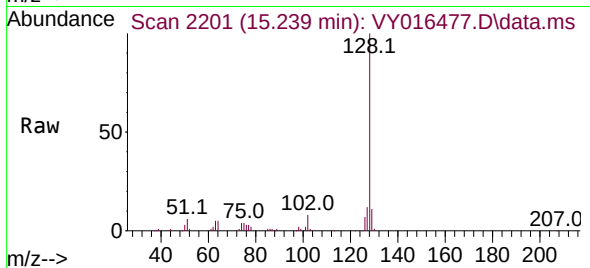
Acq: 24 Nov 2023 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion:128 | Resp: 67771    |
| Ion Ratio   | Lower Upper    |
| 128         | 100            |
| 127         | 12.3 10.8 16.2 |
| 129         | 10.9 8.6 13.0  |



#96

1,2,3-Trichlorobenzene

Concen: 21.281 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. -0.006 min

Lab File: VY016477.D

Acq: 24 Nov 2023 11:53

|             |                 |
|-------------|-----------------|
| Tgt Ion:180 | Resp: 32712     |
| Ion Ratio   | Lower Upper     |
| 180         | 100             |
| 182         | 95.5 47.3 141.8 |
| 145         | 31.8 15.4 46.2  |

