

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103023\  
 Data File : VY016139.D  
 Acq On : 30 Oct 2023 18:35  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 31 01:33:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 27 04:12:29 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 191334   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 305063   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 267549   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 126048   | 50.000 | ug/l  | 0.01     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 85358    | 44.865   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 89.720% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 87366    | 45.365   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 90.720% |
| 50) Toluene-d8              | 10.185 | 98    | 338999   | 47.521   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 95.040% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 113030   | 46.191   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 92.380% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 58217  | 44.088  | ug/l   | 97  |
| 3) Chloromethane             | 2.113 | 50  | 88694  | 54.814  | ug/l   | 96  |
| 4) Vinyl Chloride            | 2.253 | 62  | 84536  | 45.732  | ug/l   | 97  |
| 5) Bromomethane              | 2.656 | 94  | 47392  | 34.493  | ug/l   | 97  |
| 6) Chloroethane              | 2.796 | 64  | 59305  | 46.838  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 124798 | 42.188  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.534 | 74  | 40103  | 40.448  | ug/l   | 86  |
| 9) 1,1,2-Trichlorotrifluo... | 3.905 | 101 | 76199  | 42.700  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.094 | 142 | 81769  | 35.861  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.960 | 59  | 27593  | 115.232 | ug/l # | 82  |
| 12) 1,1-Dichloroethene       | 3.881 | 96  | 69231  | 42.344  | ug/l   | 89  |
| 13) Acrolein                 | 3.735 | 56  | 24988  | 105.451 | ug/l   | 99  |
| 14) Allyl chloride           | 4.491 | 41  | 99433  | 38.905  | ug/l # | 93  |
| 15) Acrylonitrile            | 5.173 | 53  | 80889  | 166.304 | ug/l   | 98  |
| 16) Acetone                  | 3.954 | 43  | 66095  | 128.171 | ug/l   | 98  |
| 17) Carbon Disulfide         | 4.204 | 76  | 182545 | 40.363  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.485 | 43  | 61944  | 33.975  | ug/l # | 90  |
| 19) Methyl tert-butyl Ether  | 5.228 | 73  | 197685 | 42.398  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.722 | 84  | 93324  | 46.019  | ug/l   | 89  |
| 21) trans-1,2-Dichloroethene | 5.228 | 96  | 82609  | 43.588  | ug/l   | 95  |
| 22) Diisopropyl ether        | 6.131 | 45  | 245980 | 44.015  | ug/l   | 89  |
| 23) Vinyl Acetate            | 6.070 | 43  | 588665 | 196.595 | ug/l # | 94  |
| 24) 1,1-Dichloroethane       | 6.027 | 63  | 145382 | 43.179  | ug/l   | 97  |
| 25) 2-Butanone               | 6.996 | 43  | 103722 | 149.028 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 6.990 | 77  | 135861 | 43.407  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 6.996 | 96  | 97032  | 43.596  | ug/l   | 94  |
| 28) Bromochloromethane       | 7.344 | 49  | 48357  | 35.107  | ug/l   | 88  |
| 29) Tetrahydrofuran          | 7.356 | 42  | 67586  | 169.248 | ug/l   | 89  |
| 30) Chloroform               | 7.515 | 83  | 159997 | 44.984  | ug/l   | 95  |
| 31) Cyclohexane              | 7.795 | 56  | 119406 | 39.893  | ug/l   | 91  |
| 32) 1,1,1-Trichloroethane    | 7.710 | 97  | 145673 | 45.661  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.923 | 75  | 118281 | 44.061  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.082 | 43  | 49723  | 36.137  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 7.911 | 117 | 115307 | 40.618  | ug/l   | 100 |
| 39) Methylcyclohexane        | 9.191 | 83  | 143032 | 43.736  | ug/l   | 90  |
| 40) Benzene                  | 8.167 | 78  | 345933 | 45.515  | ug/l   | 99  |

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 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 31 01:33:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 27 04:12:29 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.319  | 41   | 23444    | 32.556  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 96453    | 43.919  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.283  | 43   | 98665    | 38.351  | ug/l # | 92       |
| 44) Trichloroethene           | 8.947  | 130  | 98754    | 46.532  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 84285    | 43.816  | ug/l   | 99       |
| 46) Dibromomethane            | 9.313  | 93   | 46800    | 41.493  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.502  | 83   | 121860   | 44.674  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.301  | 41   | 46679    | 39.383  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 10673    | 756.331 | ug/l # | 68       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 251990   | 185.625 | ug/l   | 92       |
| 52) Toluene                   | 10.252 | 92   | 225820   | 46.269  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 119354   | 42.789  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 138700   | 43.969  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 64928    | 40.516  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 84142    | 40.855  | ug/l # | 88       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 109483   | 40.869  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 205869   | 200.790 | ug/l   | 92       |
| 59) 2-Hexanone                | 10.837 | 43   | 174176   | 174.177 | ug/l   | 90       |
| 60) Dibromochloromethane      | 10.990 | 129  | 83338    | 42.467  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 61549    | 40.109  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.727 | 164  | 100695   | 56.873  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.520 | 112  | 242906   | 46.199  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 91388    | 46.543  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.599 | 91   | 437674   | 46.866  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.709 | 106  | 341416   | 94.469  | ug/l   | 94       |
| 69) o-Xylene                  | 12.038 | 106  | 163522   | 47.262  | ug/l   | 96       |
| 70) Styrene                   | 12.050 | 104  | 272683   | 47.280  | ug/l   | 97       |
| 71) Bromoform                 | 12.215 | 173  | 48335    | 40.412  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.337 | 105  | 434931   | 49.030  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.148 | 43   | 90548    | 41.862  | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 68982    | 38.041  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 90293    | 70.163  | ug/l # | 100      |
| 77) Bromobenzene              | 12.617 | 156  | 98270    | 47.467  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.678 | 91   | 515936   | 48.035  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 283850   | 47.187  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.818 | 105  | 353184   | 47.954  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 22955    | 38.763  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 295628   | 47.388  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.081 | 119  | 316229   | 48.304  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 346182   | 47.592  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 462395   | 47.422  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 383460   | 47.130  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 191782   | 45.876  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.453 | 146  | 190125   | 46.018  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.702 | 91   | 353740   | 46.608  | ug/l   | 96       |
| 90) Hexachloroethane          | 13.965 | 117  | 65466    | 41.329  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 166745   | 45.050  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 11180    | 39.272  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 103466   | 45.185  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 57524    | 43.283  | ug/l   | 98       |
| 95) Naphthalene               | 15.239 | 128  | 194449   | 43.542  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 87265    | 44.191  | ug/l   | 99       |

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Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 22 Sample Multiplier: 1

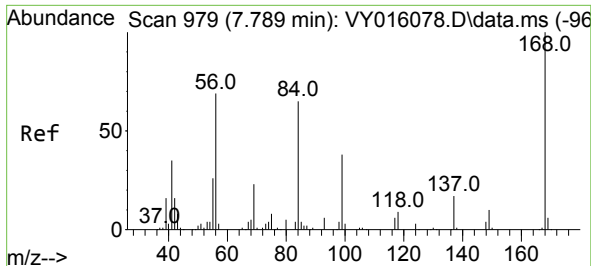
Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 31 01:33:43 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 27 04:12:29 2023  
Response via : Initial Calibration

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

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

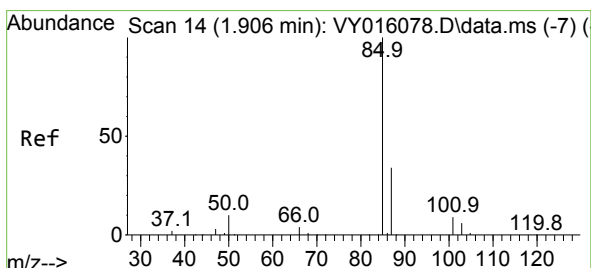
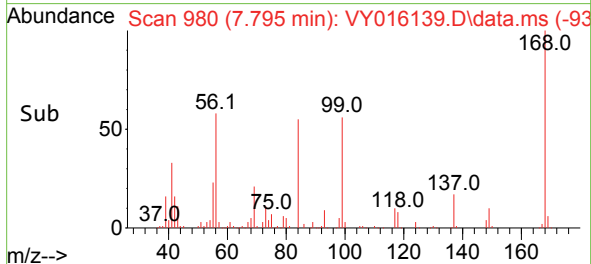
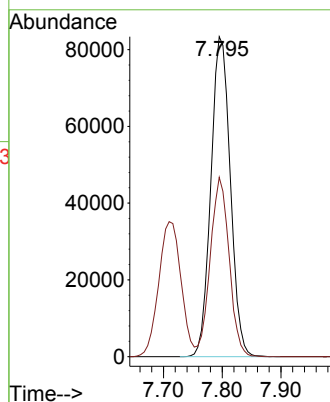
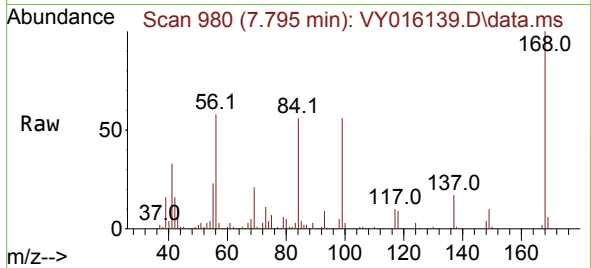




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

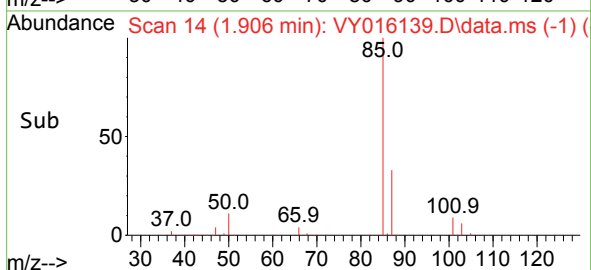
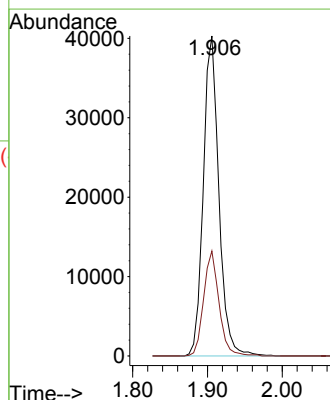
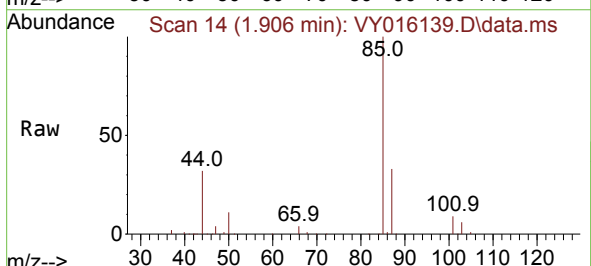
Instrument :  
MSVOA\_Y  
ClientSampleId :

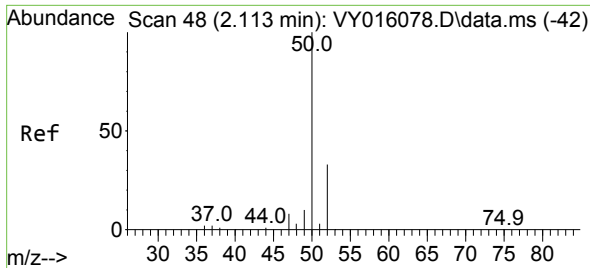
Tgt Ion:168 Resp: 191334  
Ion Ratio Lower Upper  
168 100  
99 56.1 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 44.088 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion: 85 Resp: 58217  
Ion Ratio Lower Upper  
85 100  
87 32.8 15.6 46.8

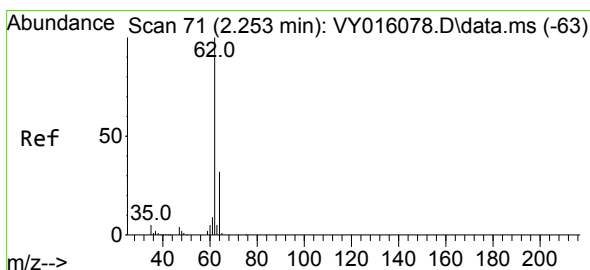
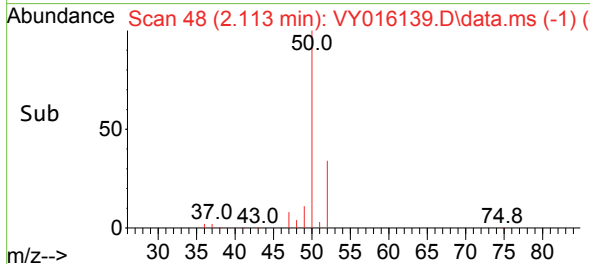
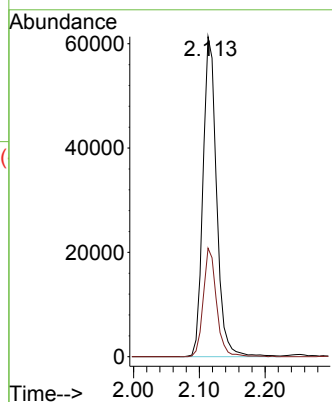
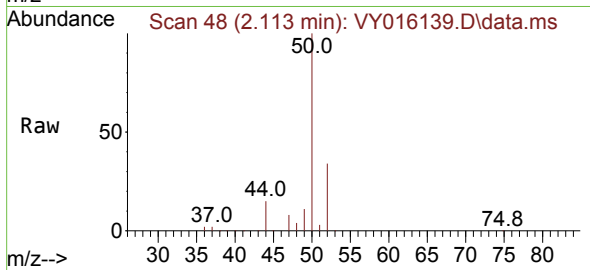




#3  
Chloromethane  
Concen: 54.814 ug/l  
RT: 2.113 min Scan# 48  
Delta R.T. -0.000 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

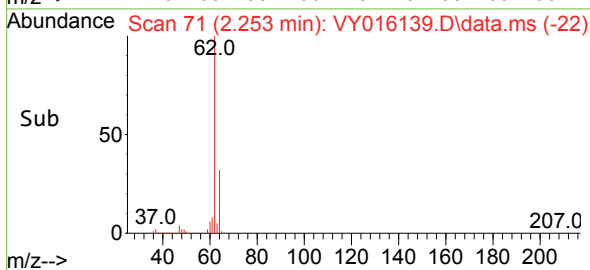
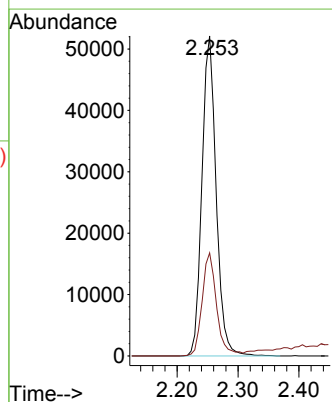
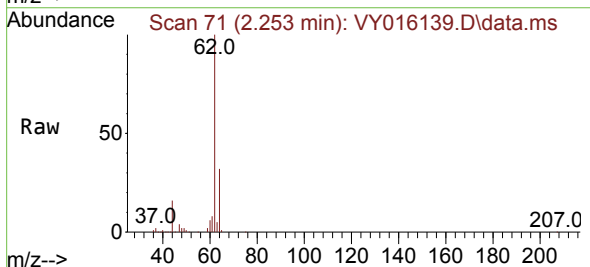
Instrument :  
MSVOA\_Y  
ClientSampleId :

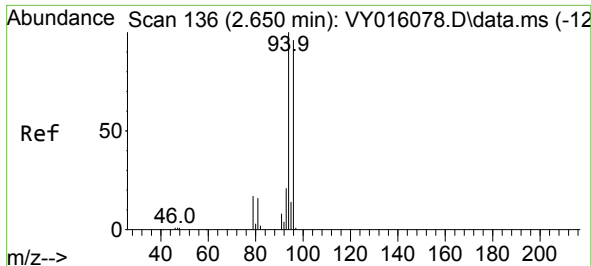
Tgt Ion: 50 Resp: 88694  
Ion Ratio Lower Upper  
50 100  
52 33.9 25.4 38.2



#4  
Vinyl Chloride  
Concen: 45.732 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion: 62 Resp: 84536  
Ion Ratio Lower Upper  
62 100  
64 32.2 24.3 36.5





#5

Bromomethane

Concen: 34.493 ug/l

RT: 2.656 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

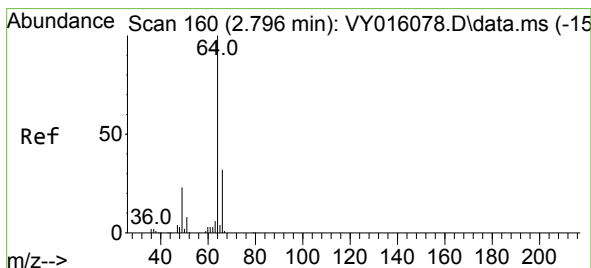
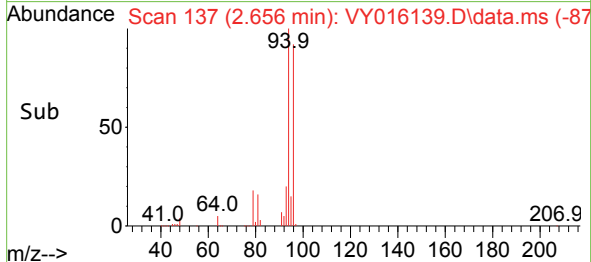
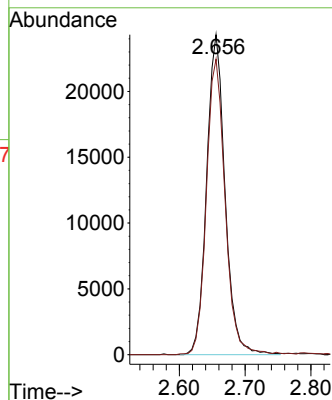
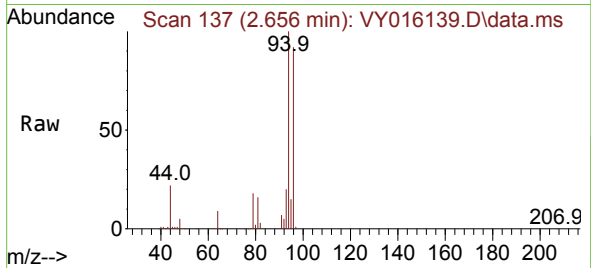
ClientSampleId :

Tgt Ion: 94 Resp: 47392

Ion Ratio Lower Upper

94 100

96 92.1 75.8 113.6



#6

Chloroethane

Concen: 46.838 ug/l

RT: 2.796 min Scan# 160

Delta R.T. -0.000 min

Lab File: VY016139.D

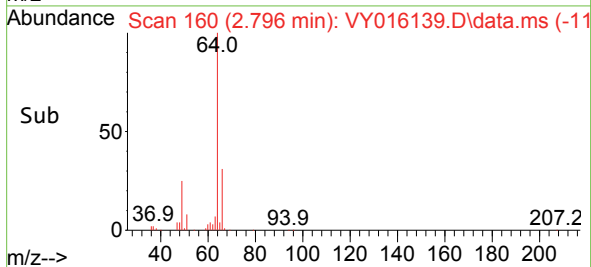
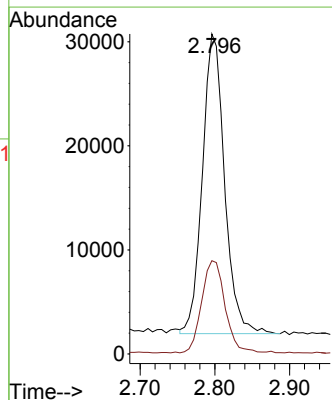
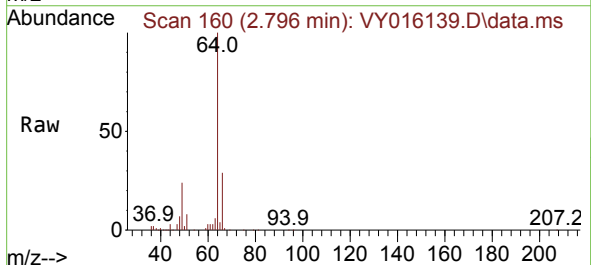
Acq: 30 Oct 2023 18:35

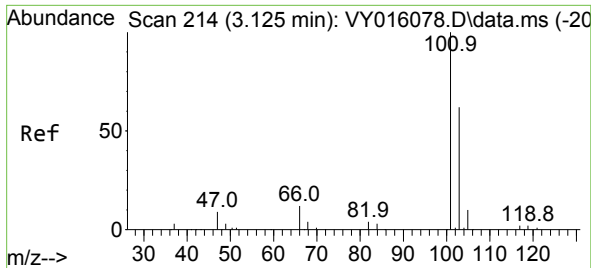
Tgt Ion: 64 Resp: 59305

Ion Ratio Lower Upper

64 100

66 30.8 24.4 36.6

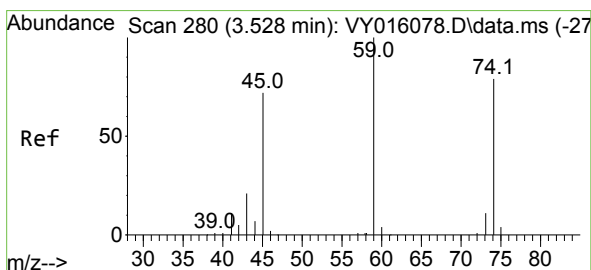
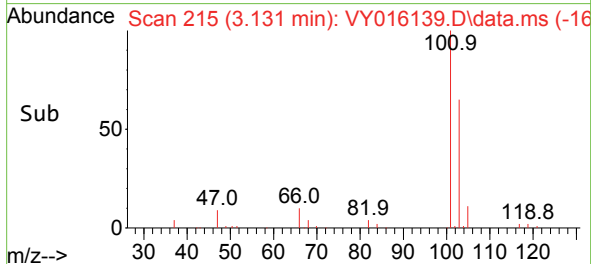
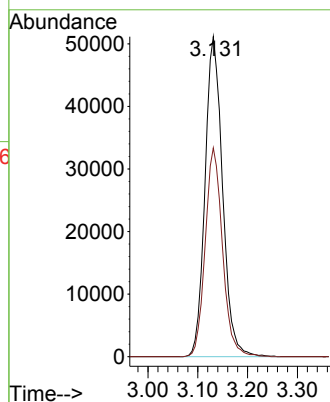
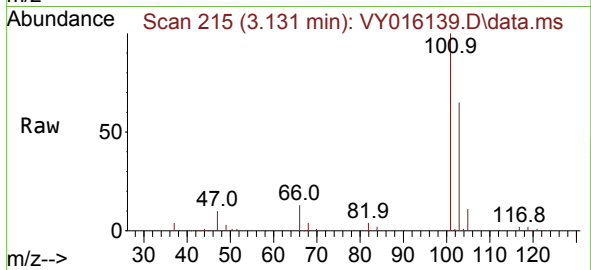




#7  
 Trichlorofluoromethane  
 Concen: 42.188 ug/l  
 RT: 3.131 min Scan# 214  
 Delta R.T. 0.006 min  
 Lab File: VY016139.D  
 Acq: 30 Oct 2023 18:35

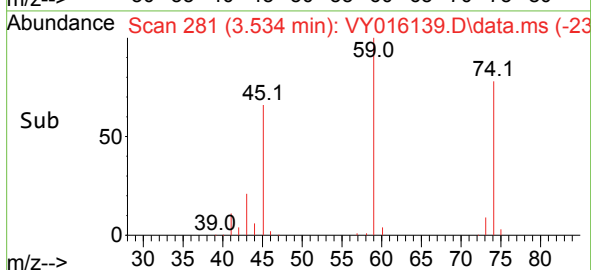
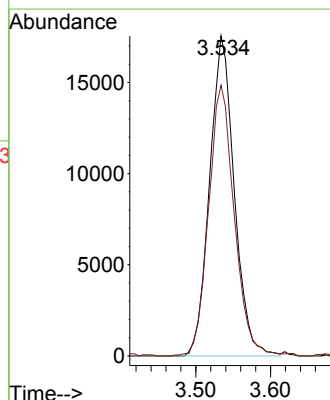
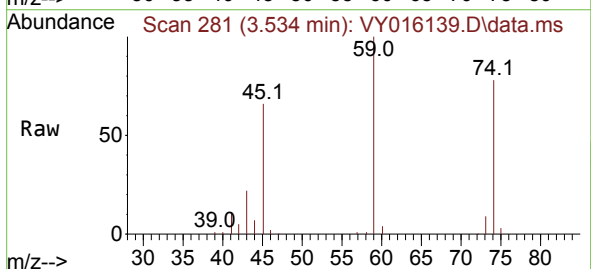
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

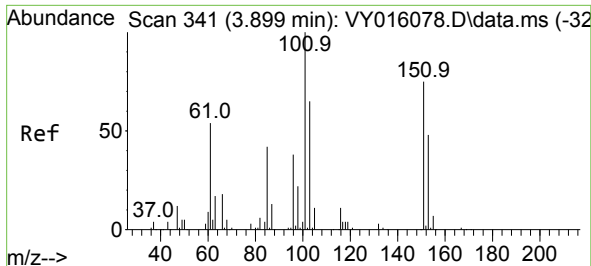
Tgt Ion:101 Resp: 124798  
 Ion Ratio Lower Upper  
 101 100  
 103 65.2 51.4 77.0



#8  
 Diethyl Ether  
 Concen: 40.448 ug/l  
 RT: 3.534 min Scan# 281  
 Delta R.T. 0.006 min  
 Lab File: VY016139.D  
 Acq: 30 Oct 2023 18:35

Tgt Ion: 74 Resp: 40103  
 Ion Ratio Lower Upper  
 74 100  
 45 88.5 51.5 154.5

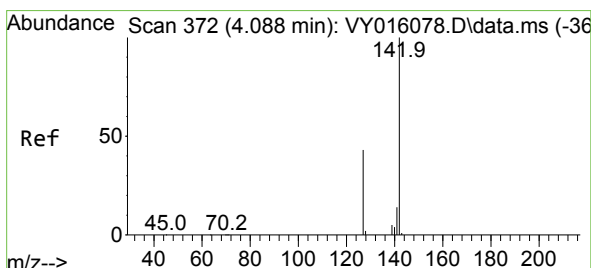
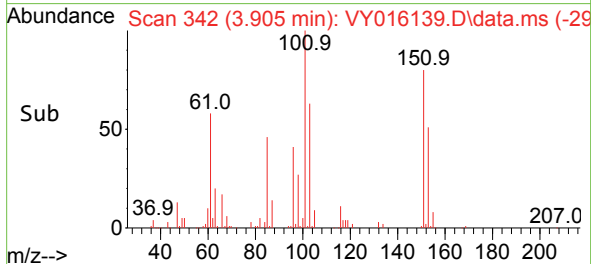
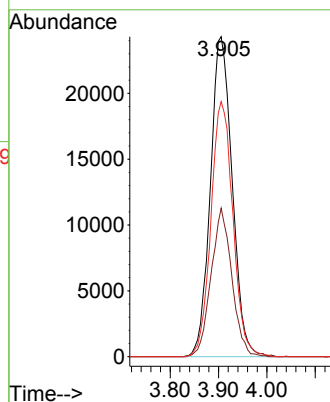
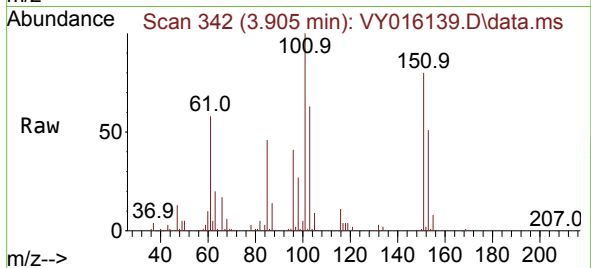




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 42.700 ug/l  
RT: 3.905 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

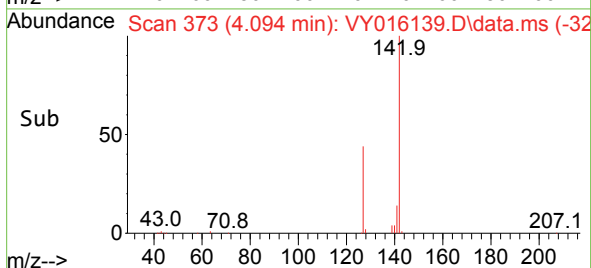
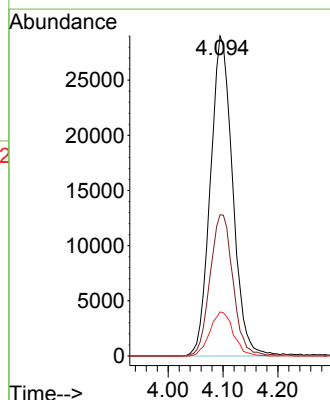
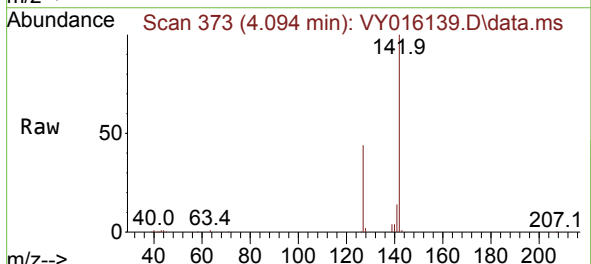
Instrument :  
MSVOA\_Y  
ClientSampleId :

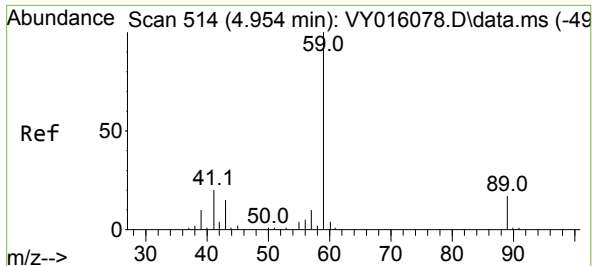
Tgt Ion:101 Resp: 76199  
Ion Ratio Lower Upper  
101 100  
85 44.1 36.6 55.0  
151 80.2 67.0 100.6



#10  
Methyl Iodide  
Concen: 35.861 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion:142 Resp: 81769  
Ion Ratio Lower Upper  
142 100  
127 45.6 37.6 56.4  
141 14.5 11.8 17.8

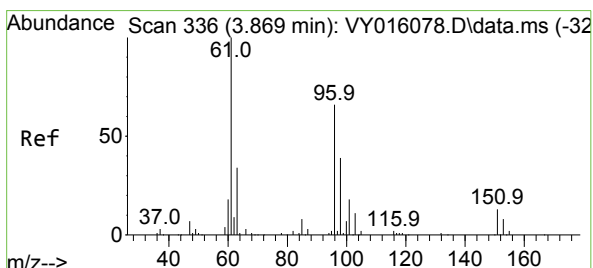
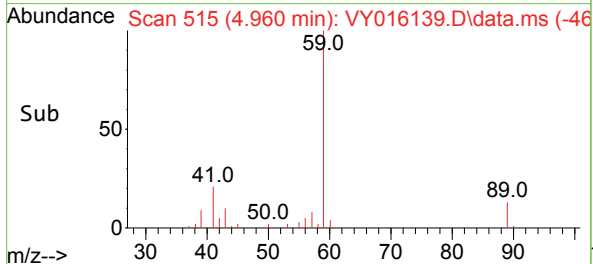
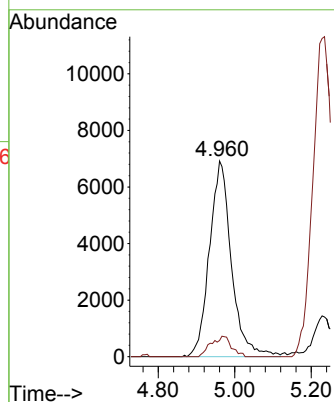
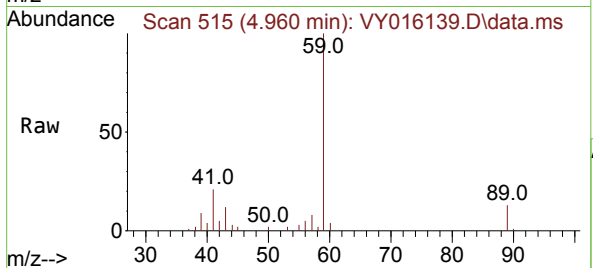




#11  
Tert butyl alcohol  
Concen: 115.232 ug/l  
RT: 4.960 min Scan# 514  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

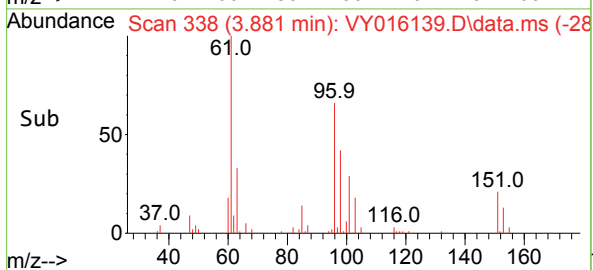
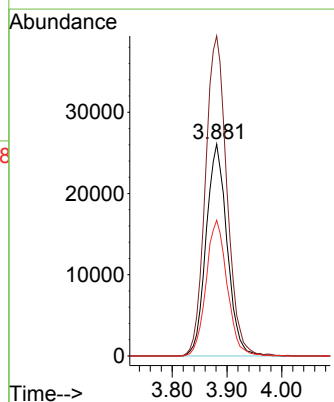
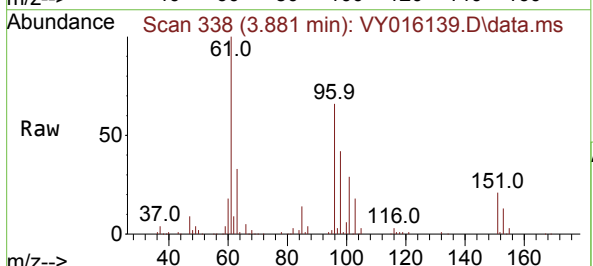
Instrument :  
MSVOA\_Y  
ClientSampleId :

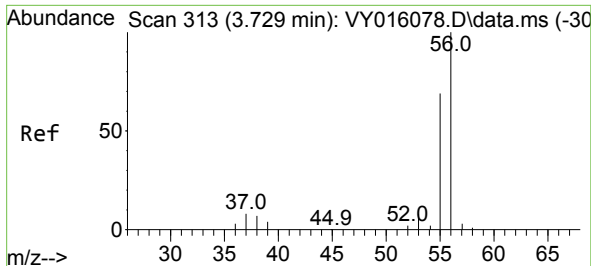
Tgt Ion: 59 Resp: 27593  
Ion Ratio Lower Upper  
59 100  
57 9.7 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 42.344 ug/l  
RT: 3.881 min Scan# 338  
Delta R.T. 0.012 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion: 96 Resp: 69231  
Ion Ratio Lower Upper  
96 100  
61 151.1 136.4 204.6  
98 64.1 49.4 74.2





#13

Acrolein

Concen: 105.451 ug/l

RT: 3.735 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

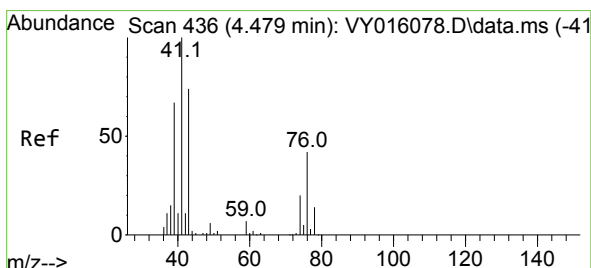
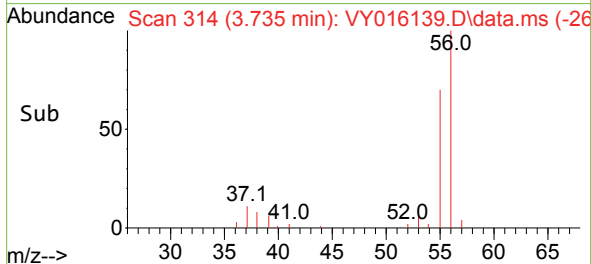
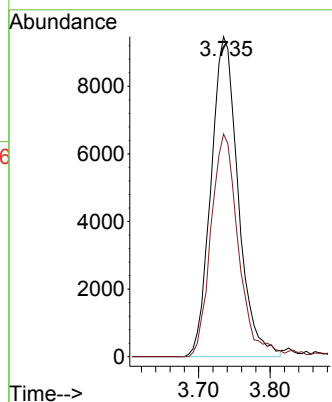
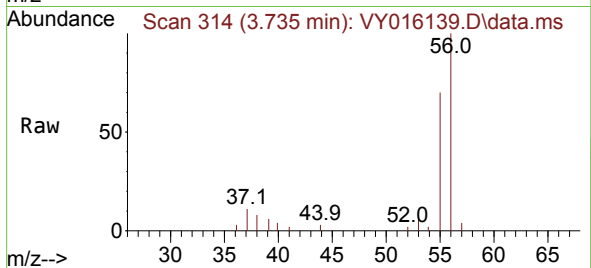
ClientSampleId :

Tgt Ion: 56 Resp: 24988

Ion Ratio Lower Upper

56 100

55 70.1 57.0 85.4



#14

Allyl chloride

Concen: 38.905 ug/l

RT: 4.491 min Scan# 438

Delta R.T. 0.012 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

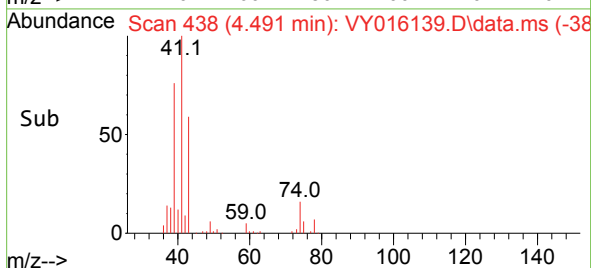
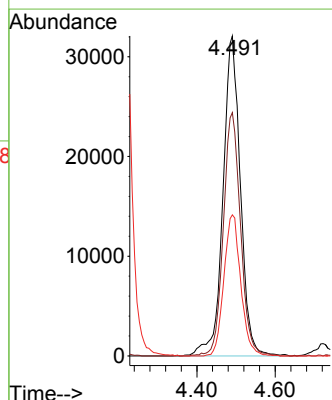
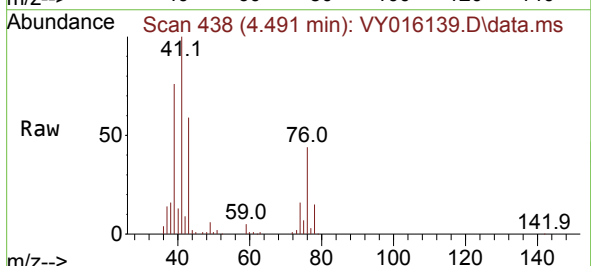
Tgt Ion: 41 Resp: 99433

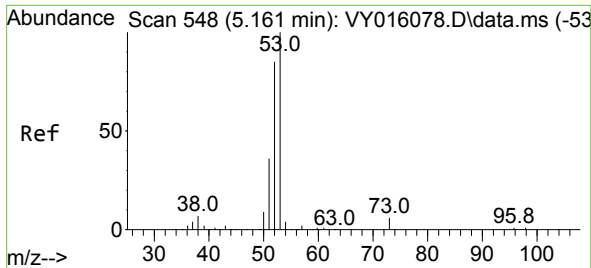
Ion Ratio Lower Upper

41 100

39 75.0 58.0 87.0

76 42.7 27.4 41.2#

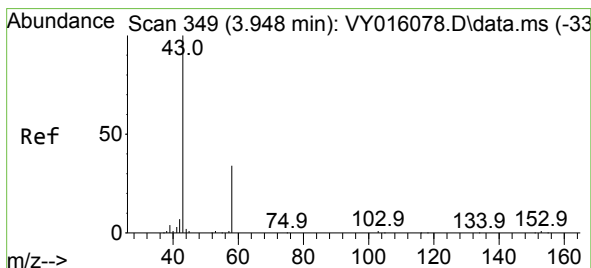
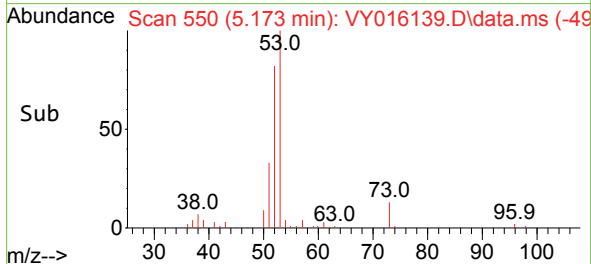
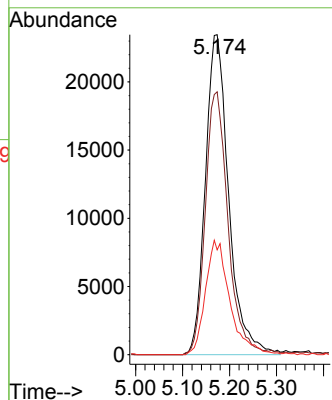
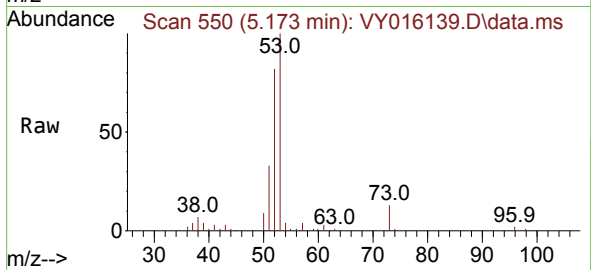




#15  
Acrylonitrile  
Concen: 166.304 ug/l  
RT: 5.173 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

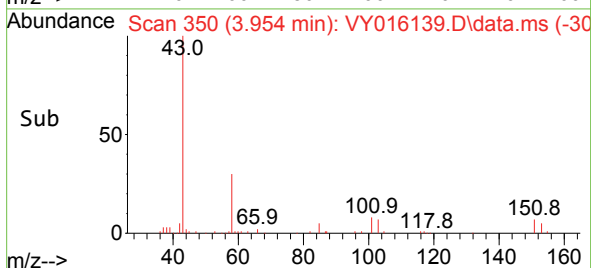
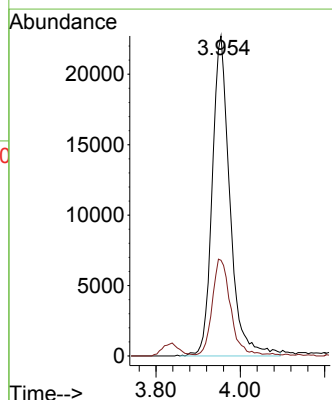
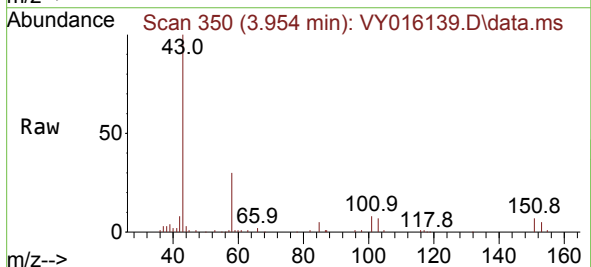
Instrument :  
MSVOA\_Y  
ClientSampleId :

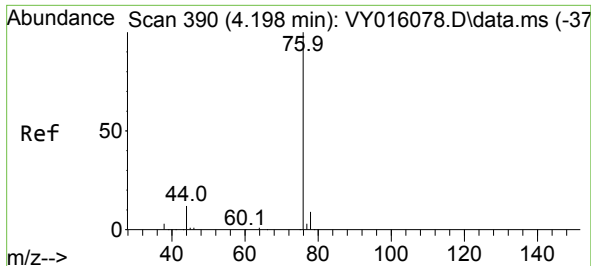
Tgt Ion: 53 Resp: 80889  
Ion Ratio Lower Upper  
53 100  
52 80.5 66.9 100.3  
51 37.3 29.8 44.6



#16  
Acetone  
Concen: 128.171 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion: 43 Resp: 66095  
Ion Ratio Lower Upper  
43 100  
58 29.5 22.7 34.1





#17

Carbon Disulfide

Concen: 40.363 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

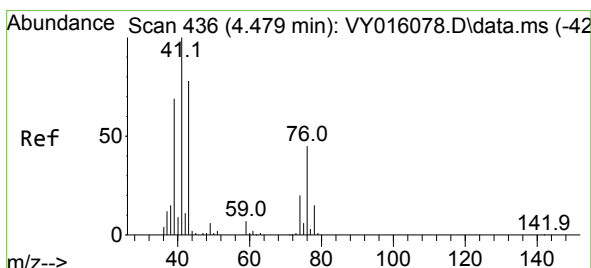
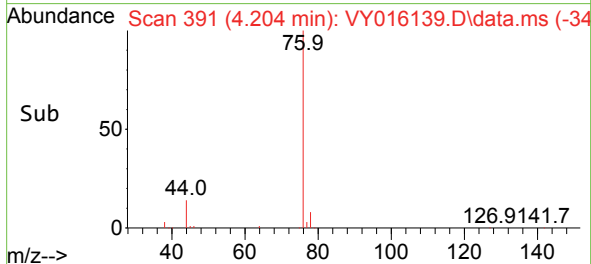
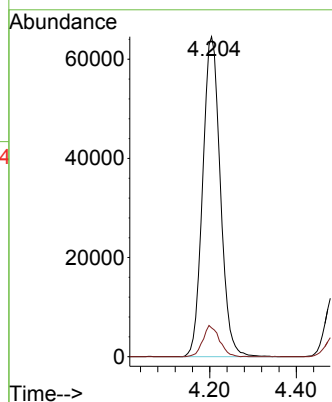
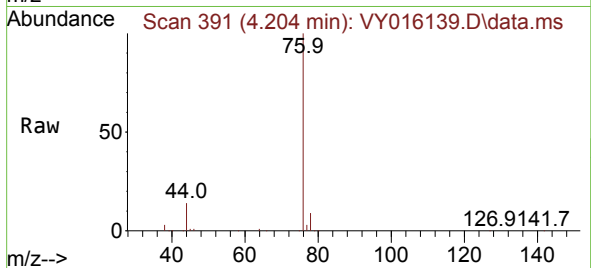
ClientSampleId :

Tgt Ion: 76 Resp: 182545

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4



#18

Methyl Acetate

Concen: 33.975 ug/l

RT: 4.485 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY016139.D

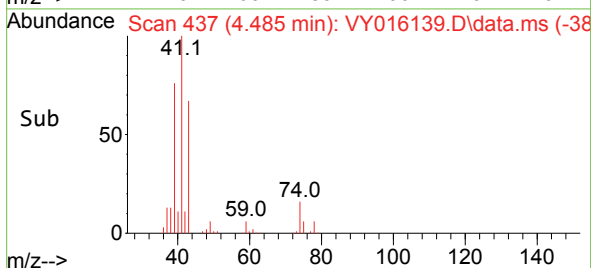
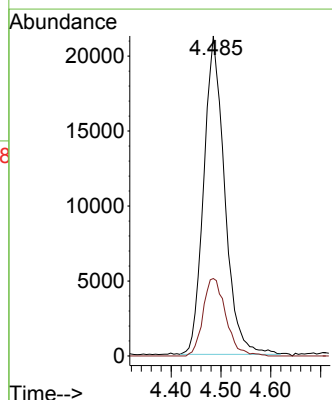
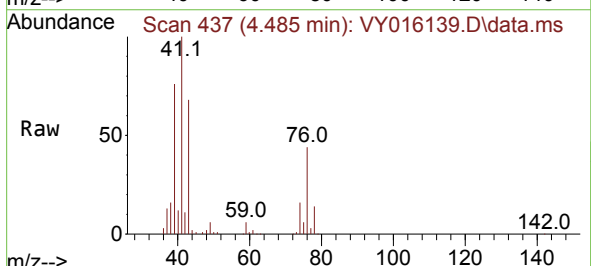
Acq: 30 Oct 2023 18:35

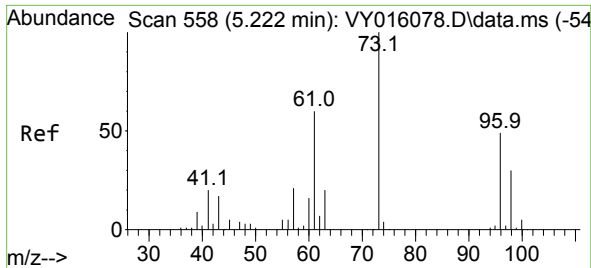
Tgt Ion: 43 Resp: 61944

Ion Ratio Lower Upper

43 100

74 26.5 17.4 26.0#

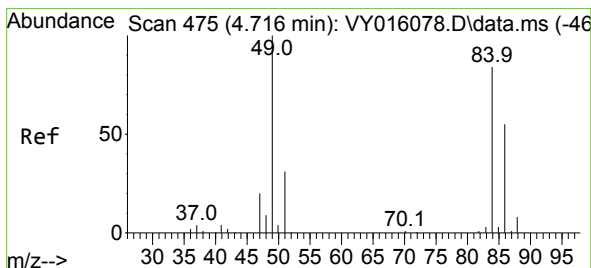
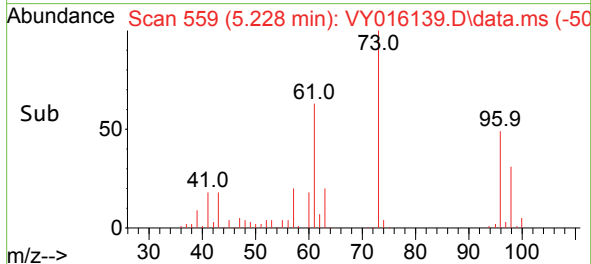
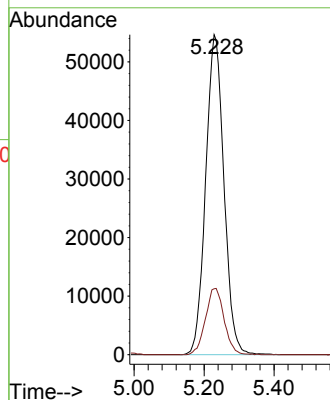
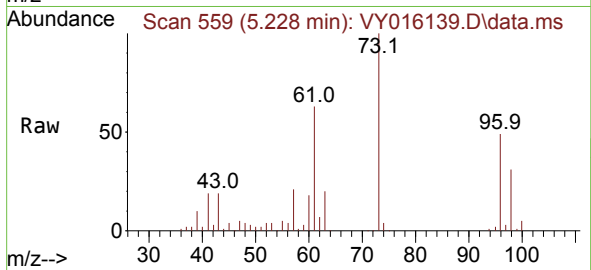




#19  
Methyl tert-butyl Ether  
Concen: 42.398 ug/l  
RT: 5.228 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

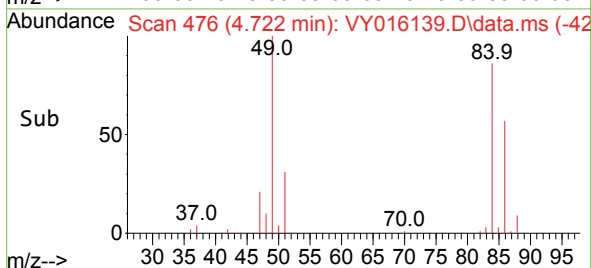
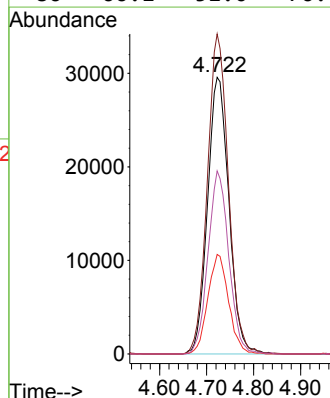
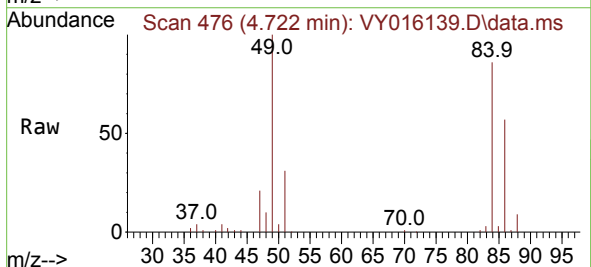
Instrument :  
MSVOA\_Y  
ClientSampleId :

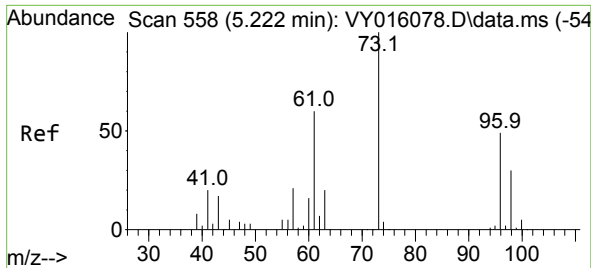
Tgt Ion: 73 Resp: 197685  
Ion Ratio Lower Upper  
73 100  
57 20.6 17.3 25.9



#20  
Methylene Chloride  
Concen: 46.019 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion: 84 Resp: 93324  
Ion Ratio Lower Upper  
84 100  
49 115.7 106.9 160.3  
51 36.0 33.2 49.8  
86 66.1 51.0 76.6

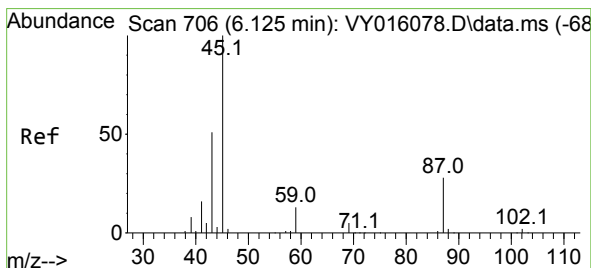
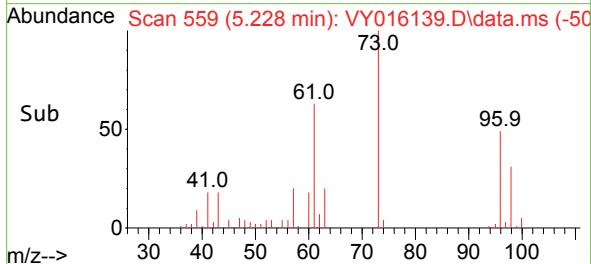
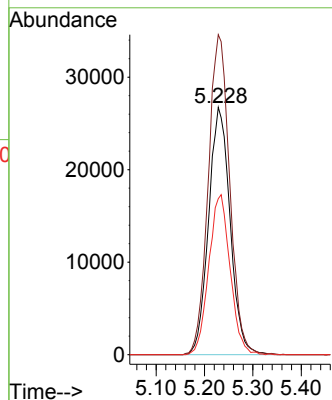
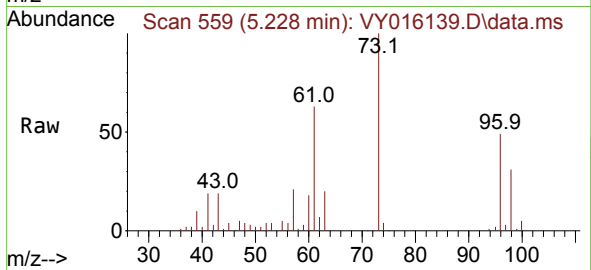




#21  
trans-1,2-Dichloroethene  
Concen: 43.588 ug/l  
RT: 5.228 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

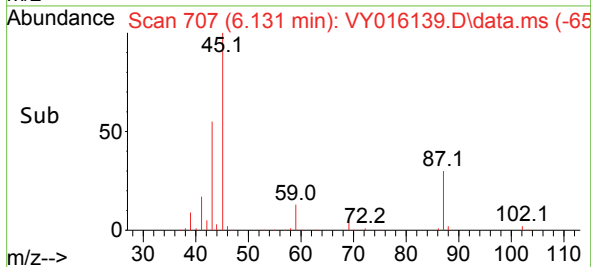
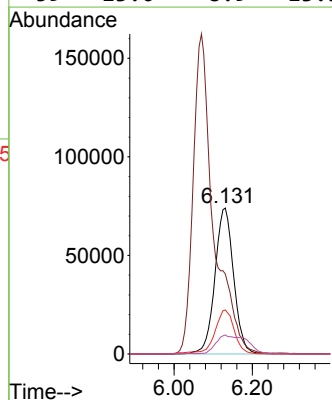
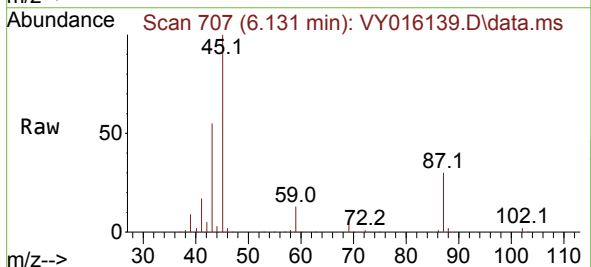
Instrument :  
MSVOA\_Y  
ClientSampleId :

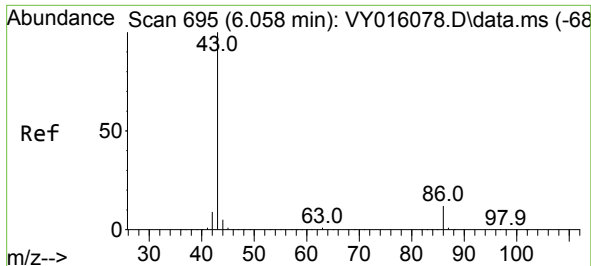
Tgt Ion: 96 Resp: 82609  
Ion Ratio Lower Upper  
96 100  
61 129.4 110.2 165.4  
98 63.1 51.8 77.6



#22  
Diisopropyl ether  
Concen: 44.015 ug/l  
RT: 6.131 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion: 45 Resp: 245980  
Ion Ratio Lower Upper  
45 100  
43 54.2 52.2 78.4  
87 30.1 21.0 31.6  
59 13.0 8.9 13.3

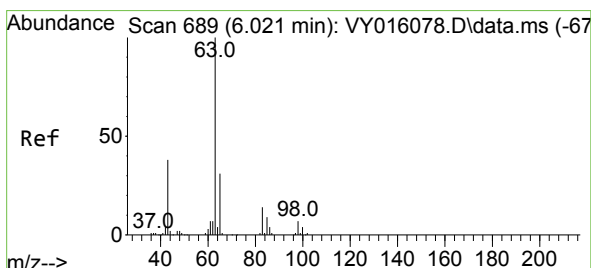
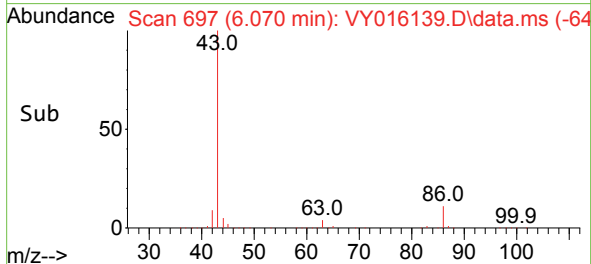
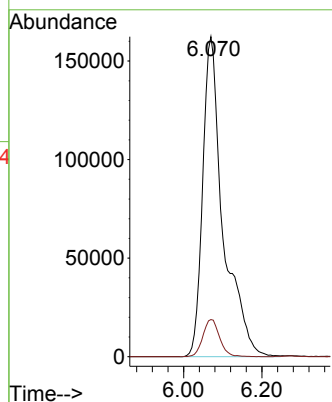
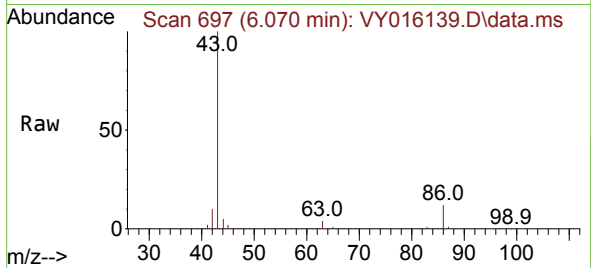




#23  
 Vinyl Acetate  
 Concen: 196.595 ug/l  
 RT: 6.070 min Scan# 695  
 Delta R.T. 0.012 min  
 Lab File: VY016139.D  
 Acq: 30 Oct 2023 18:35

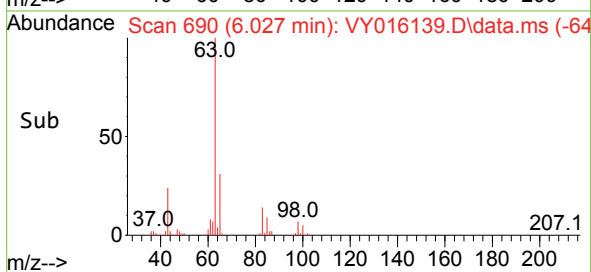
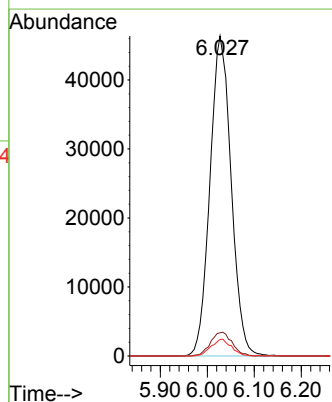
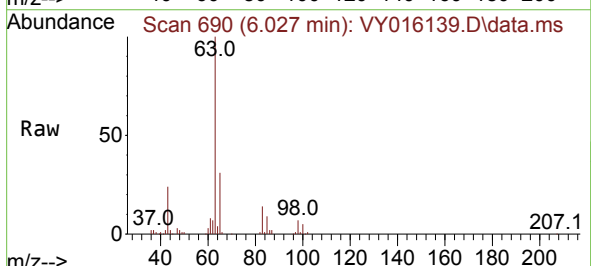
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

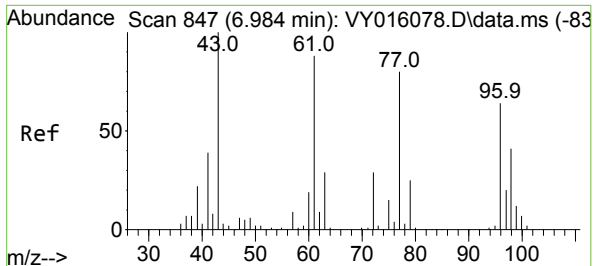
Tgt Ion: 43 Resp: 588665  
 Ion Ratio Lower Upper  
 43 100  
 86 11.6 7.5 11.3#



#24  
 1,1-Dichloroethane  
 Concen: 43.179 ug/l  
 RT: 6.027 min Scan# 690  
 Delta R.T. 0.006 min  
 Lab File: VY016139.D  
 Acq: 30 Oct 2023 18:35

Tgt Ion: 63 Resp: 145382  
 Ion Ratio Lower Upper  
 63 100  
 98 7.3 3.1 9.4  
 100 5.2 1.8 5.5





#25

2-Butanone

Concen: 149.028 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

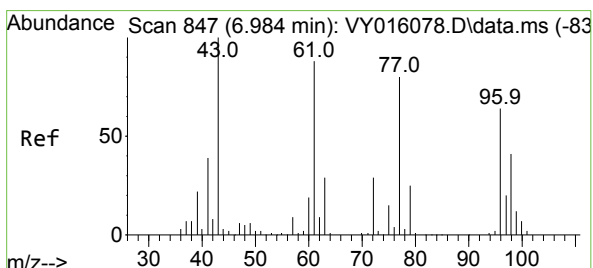
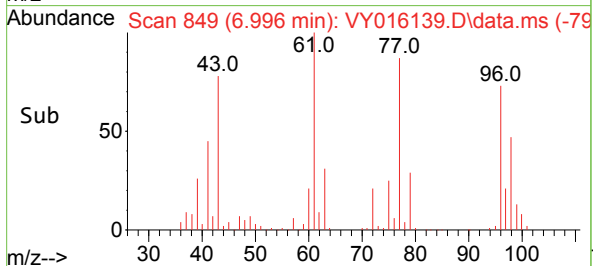
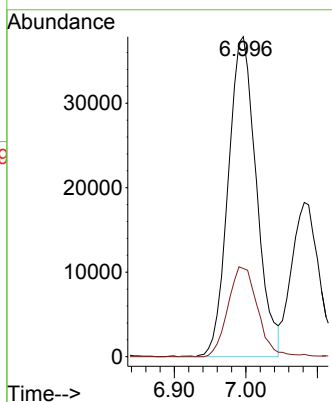
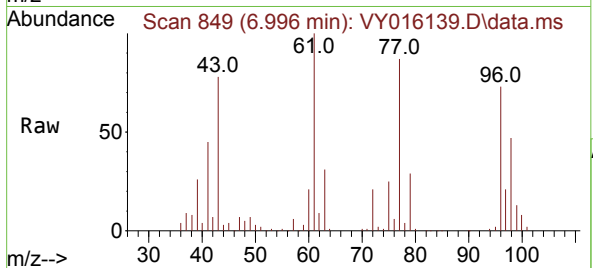
ClientSampleId :

Tgt Ion: 43 Resp: 103722

Ion Ratio Lower Upper

43 100

72 27.6 20.5 30.7



#26

2,2-Dichloropropane

Concen: 43.407 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY016139.D

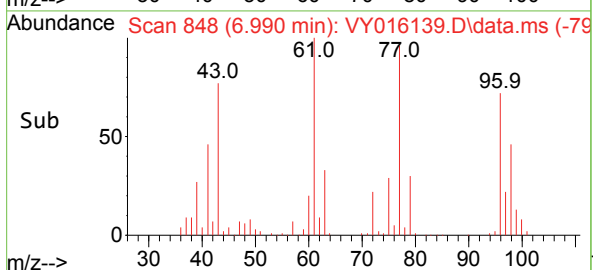
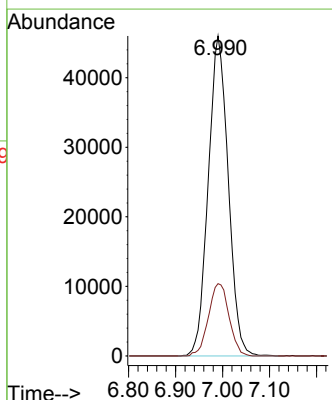
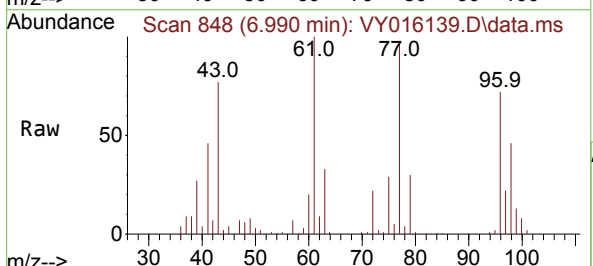
Acq: 30 Oct 2023 18:35

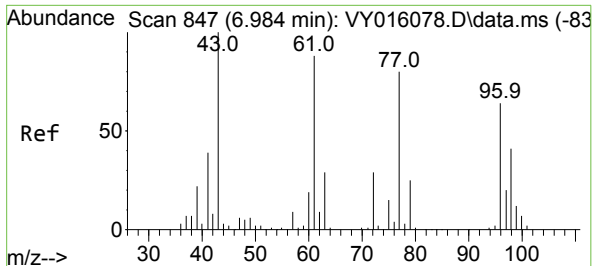
Tgt Ion: 77 Resp: 135861

Ion Ratio Lower Upper

77 100

97 23.2 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 43.596 ug/l

RT: 6.996 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

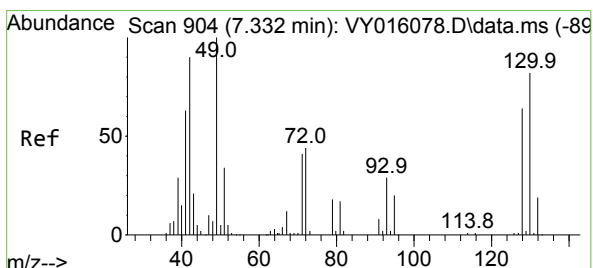
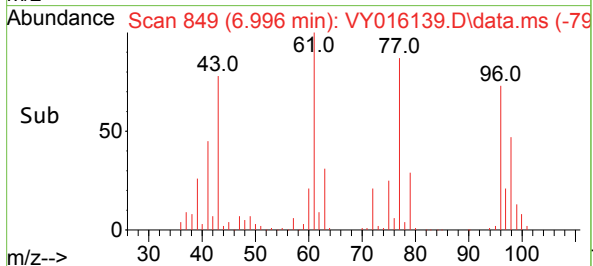
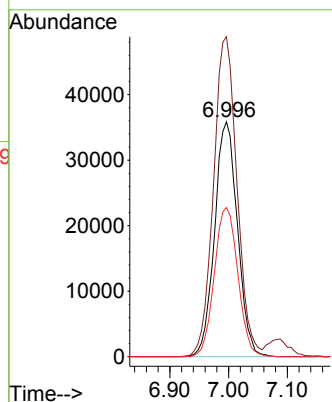
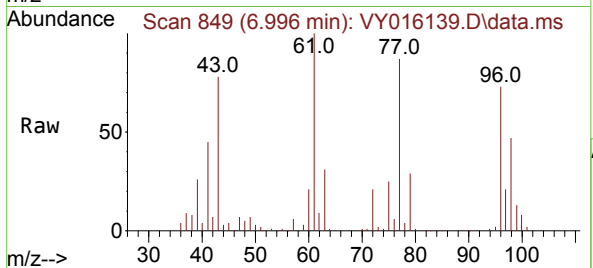
Tgt Ion: 96 Resp: 97032

Ion Ratio Lower Upper

96 100

61 139.7 0.0 301.4

98 65.3 0.0 130.4



#28

Bromochloromethane

Concen: 35.107 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

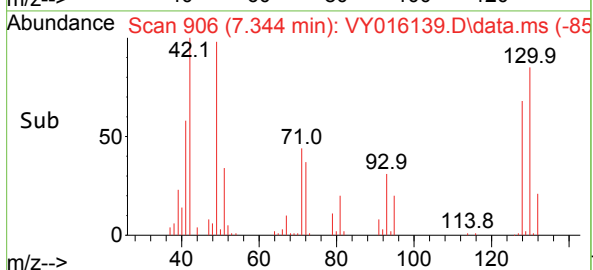
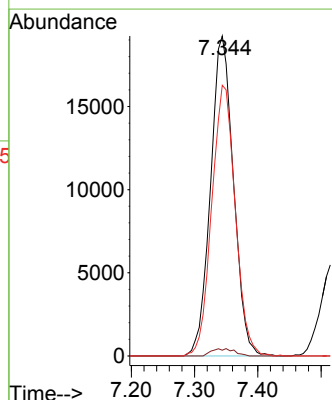
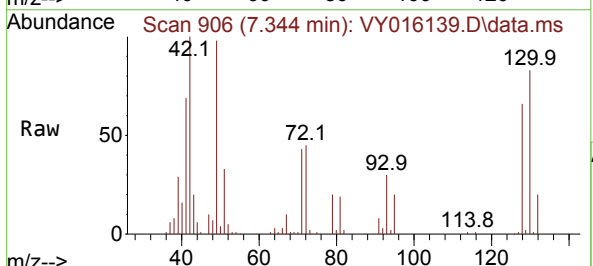
Tgt Ion: 49 Resp: 48357

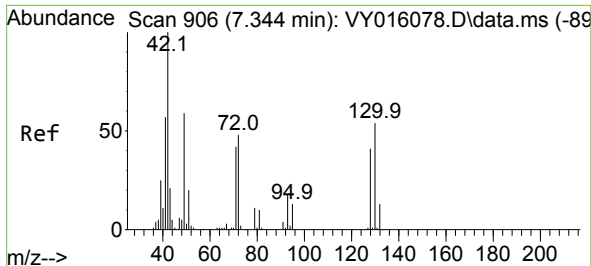
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

130 86.6 60.7 91.1





#29

Tetrahydrofuran

Concen: 169.248 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY016139.D

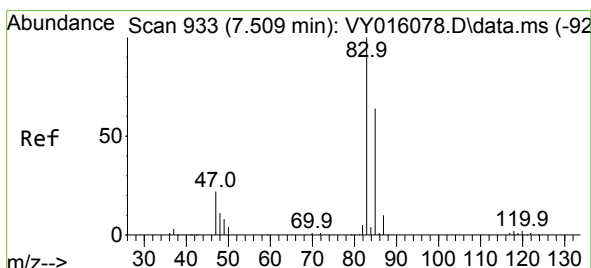
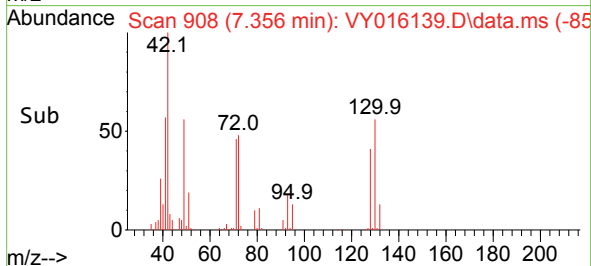
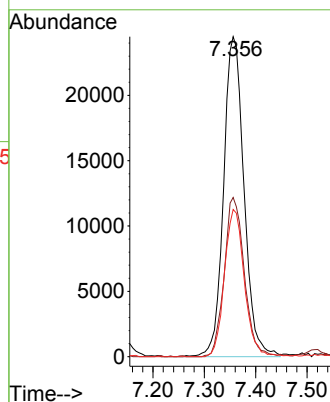
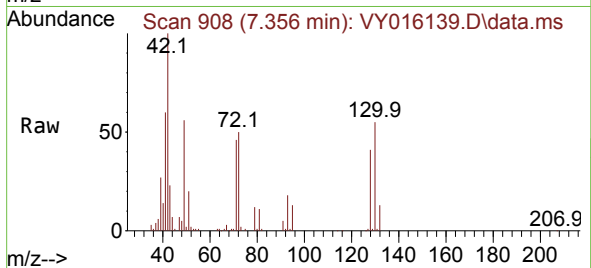
Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 67586 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 48.8  | 32.8  | 49.2  |
| 71       | 45.0  | 31.0  | 46.4  |



#30

Chloroform

Concen: 44.984 ug/l

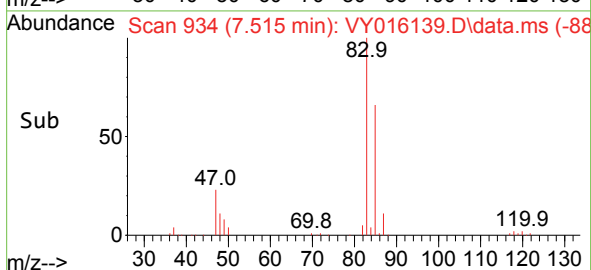
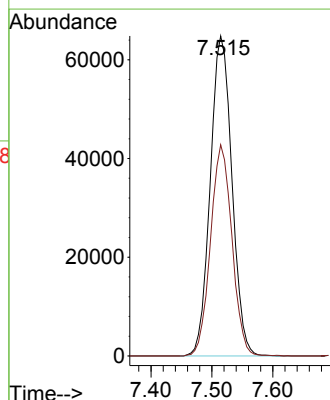
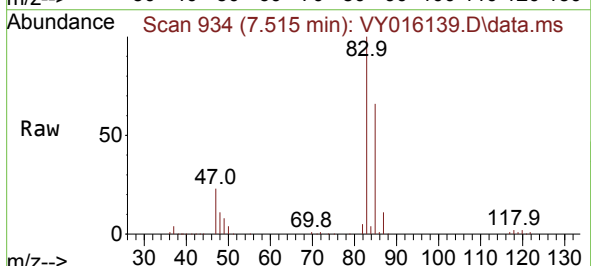
RT: 7.515 min Scan# 934

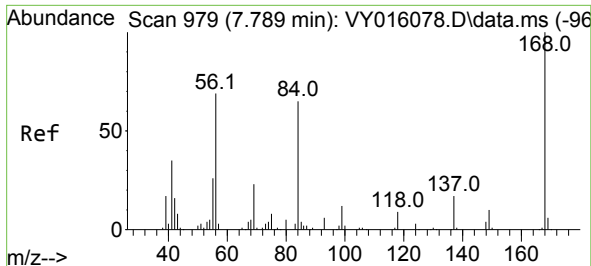
Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

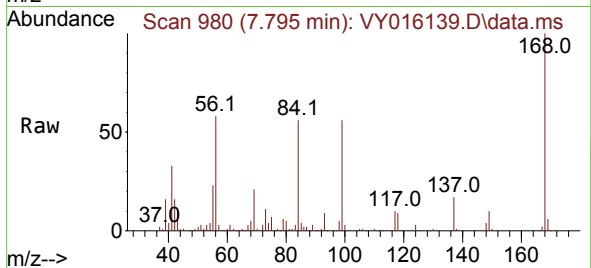
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 159997 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 66.0  | 49.7  | 74.5   |



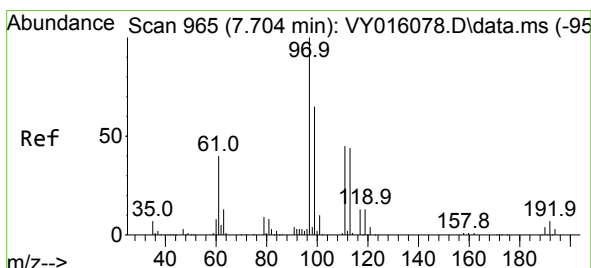
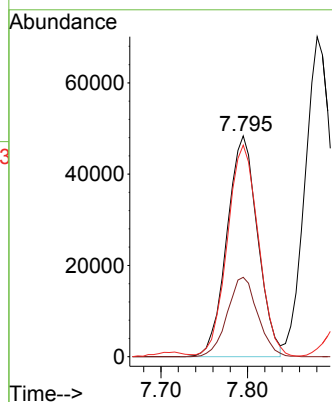
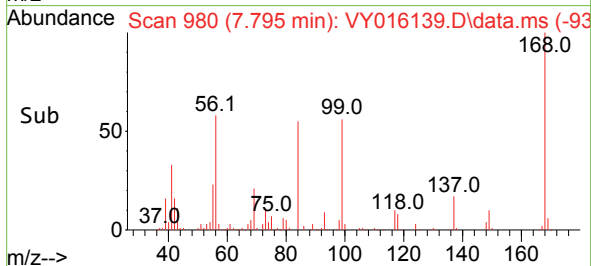


#31  
Cyclohexane  
Concen: 39.893 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

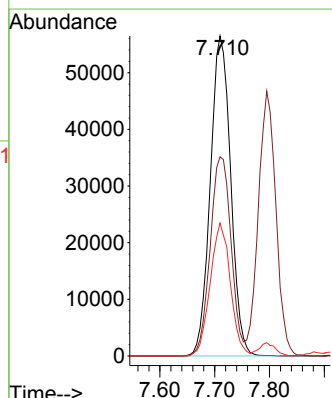
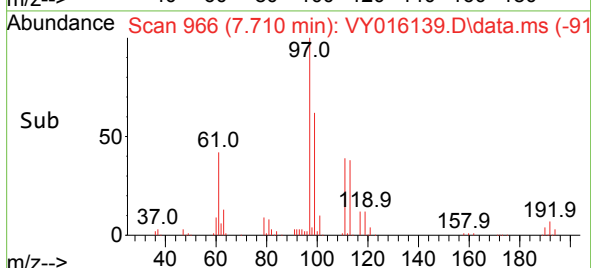
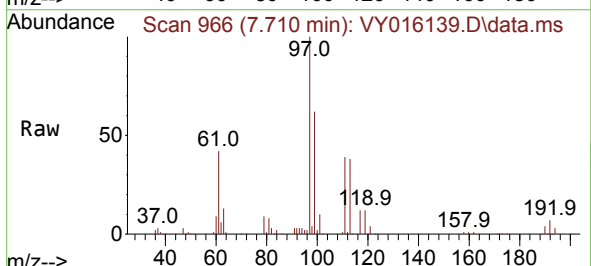


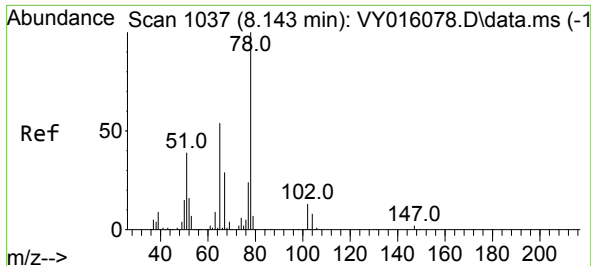
Tgt Ion: 56 Resp: 119406  
Ion Ratio Lower Upper  
56 100  
69 36.0 27.8 41.6  
84 94.2 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 45.661 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion: 97 Resp: 145673  
Ion Ratio Lower Upper  
97 100  
99 63.7 50.8 76.2  
61 41.1 35.1 52.7

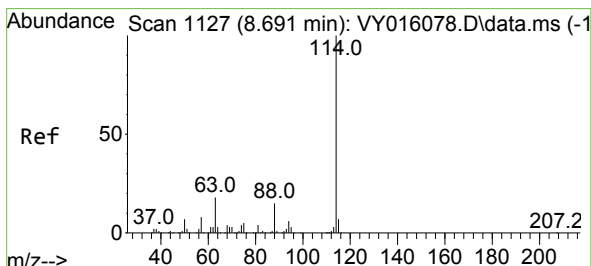
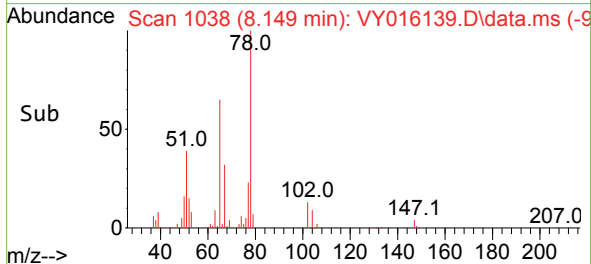
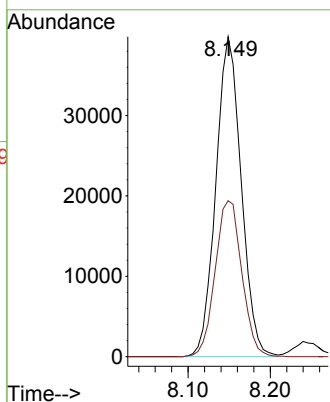
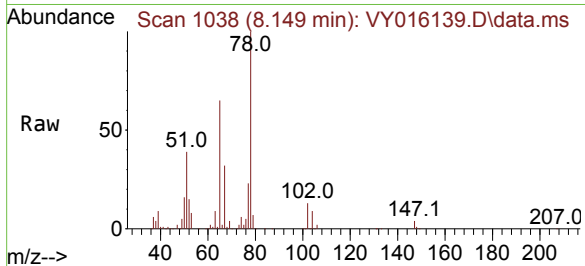




#33  
 1,2-Dichloroethane-d4  
 Concen: 44.865 ug/l  
 RT: 8.149 min Scan# 1037  
 Delta R.T. 0.006 min  
 Lab File: VY016139.D  
 Acq: 30 Oct 2023 18:35

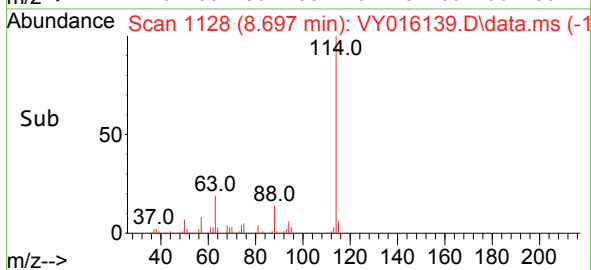
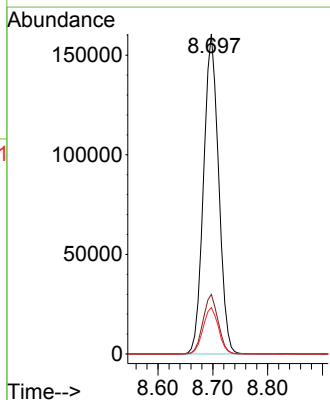
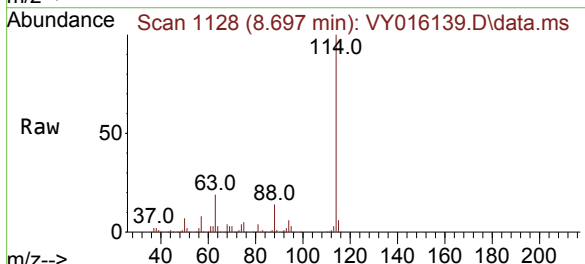
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

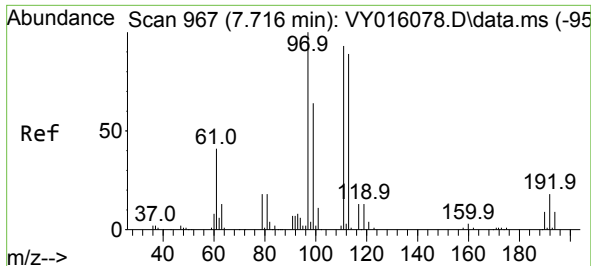
Tgt Ion: 65 Resp: 85358  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.697 min Scan# 1128  
 Delta R.T. 0.006 min  
 Lab File: VY016139.D  
 Acq: 30 Oct 2023 18:35

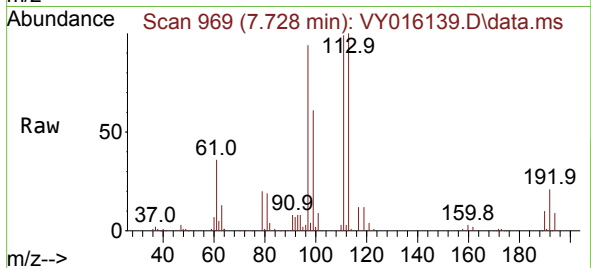
Tgt Ion: 114 Resp: 305063  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 0.0 42.4  
 88 14.5 0.0 30.6



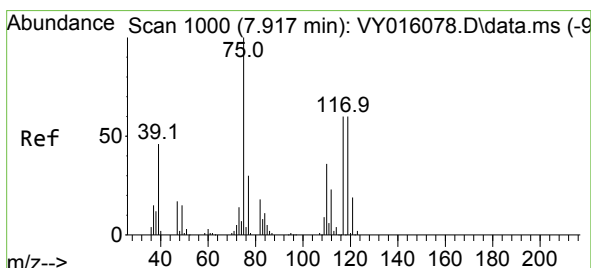
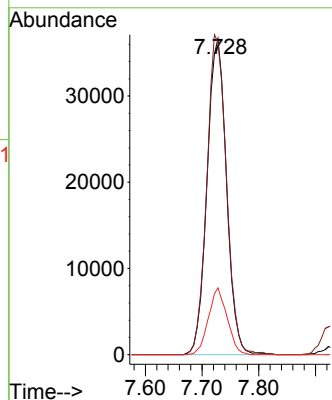
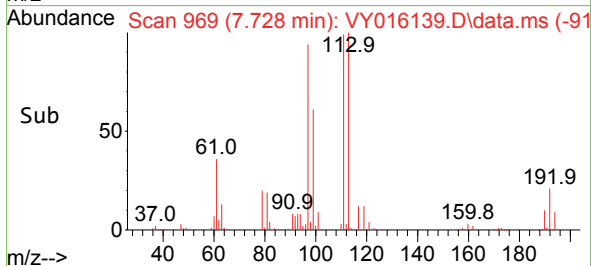


#35  
Dibromofluoromethane  
Concen: 45.365 ug/l  
RT: 7.728 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

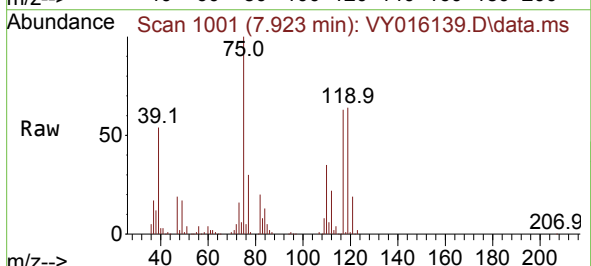
Instrument :  
MSVOA\_Y  
ClientSampleId :



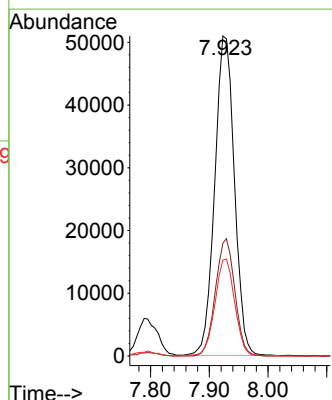
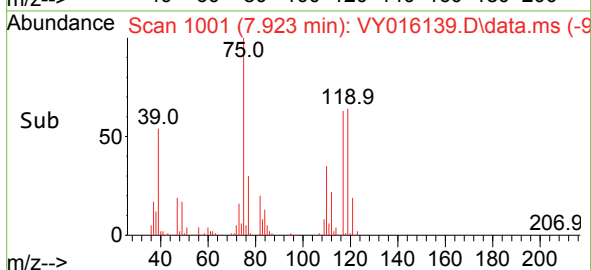
Tgt Ion:113 Resp: 87366  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.3 121.9  
192 20.3 16.9 25.3

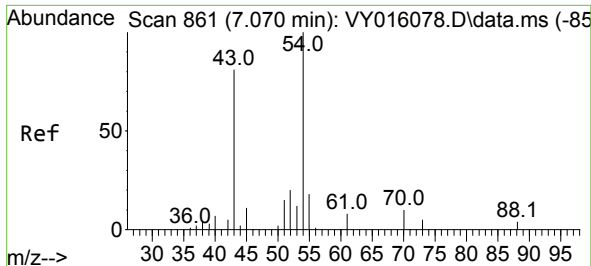


#36  
1,1-Dichloropropene  
Concen: 44.061 ug/l  
RT: 7.923 min Scan# 1001  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35



Tgt Ion: 75 Resp: 118281  
Ion Ratio Lower Upper  
75 100  
110 36.2 17.8 53.5  
77 30.6 24.4 36.6





#37

Ethyl Acetate

Concen: 36.137 ug/l

RT: 7.082 min Scan# 861

Delta R.T. 0.012 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

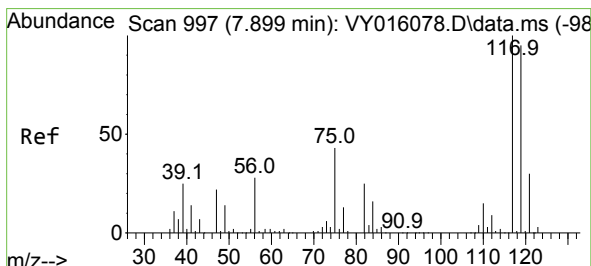
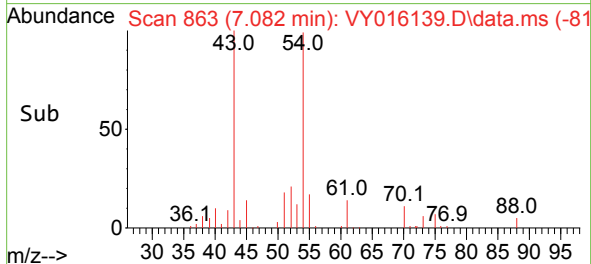
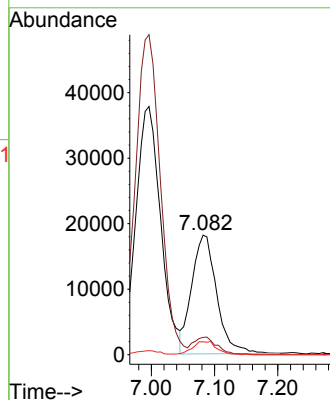
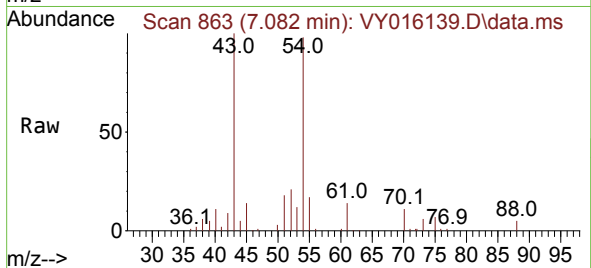
Tgt Ion: 43 Resp: 49723

Ion Ratio Lower Upper

43 100

61 13.9 10.1 15.1

70 10.7 7.1 10.7



#38

Carbon Tetrachloride

Concen: 40.618 ug/l

RT: 7.911 min Scan# 999

Delta R.T. 0.012 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

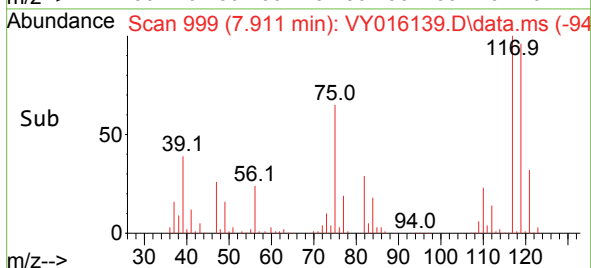
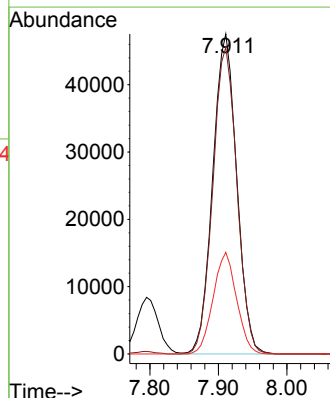
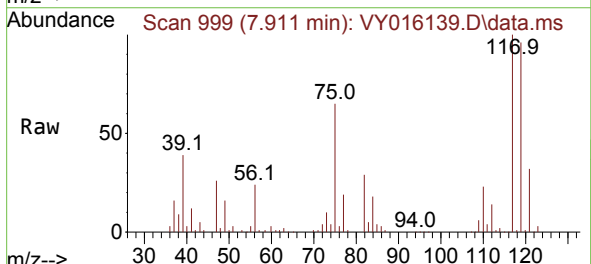
Tgt Ion: 117 Resp: 115307

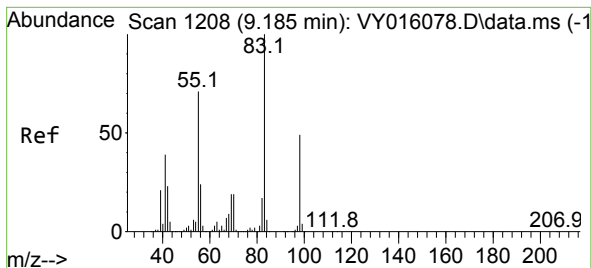
Ion Ratio Lower Upper

117 100

119 95.9 76.4 114.6

121 31.7 25.8 38.6





#39

Methylcyclohexane

Concen: 43.736 ug/l

RT: 9.191 min Scan# 11

Delta R.T. 0.006 min

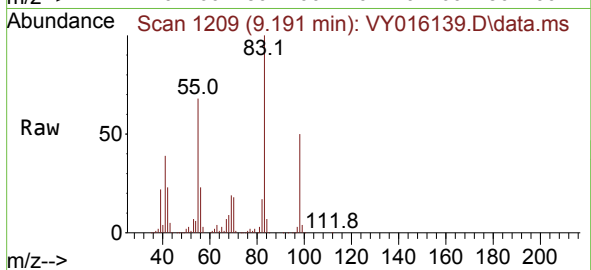
Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :



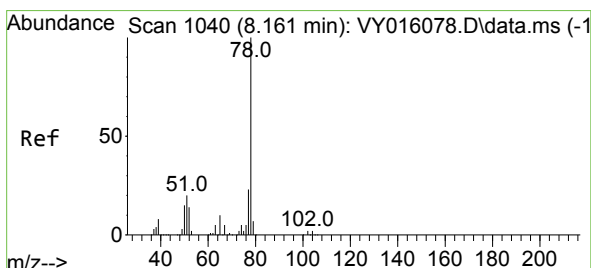
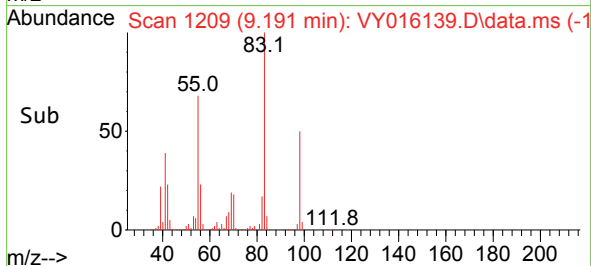
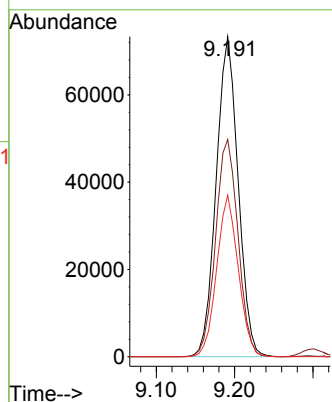
Tgt Ion: 83 Resp: 143032

Ion Ratio Lower Upper

83 100

55 67.9 63.0 94.4

98 50.4 37.4 56.2



#40

Benzene

Concen: 45.515 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY016139.D

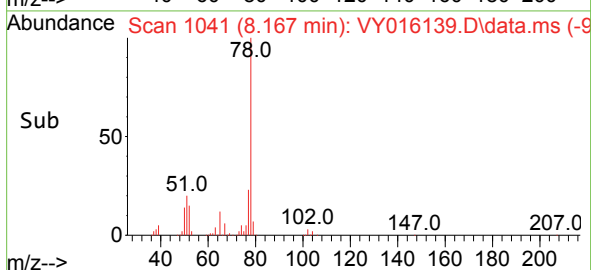
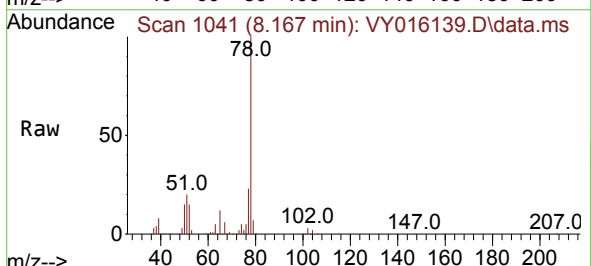
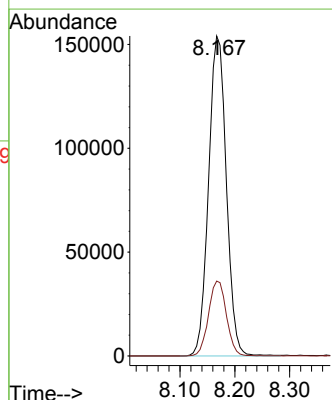
Acq: 30 Oct 2023 18:35

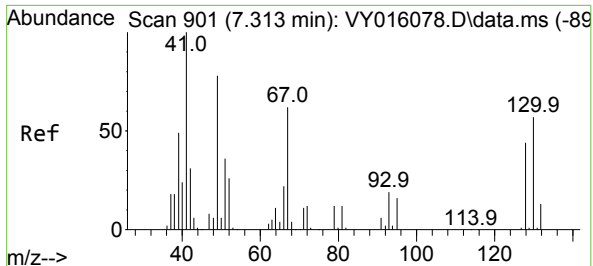
Tgt Ion: 78 Resp: 345933

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6



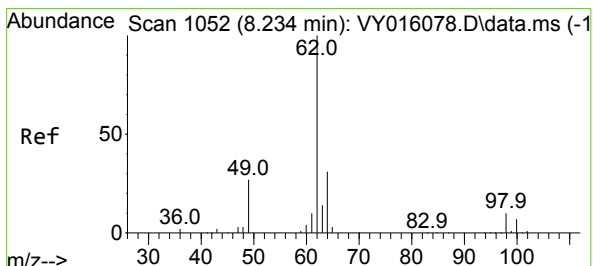
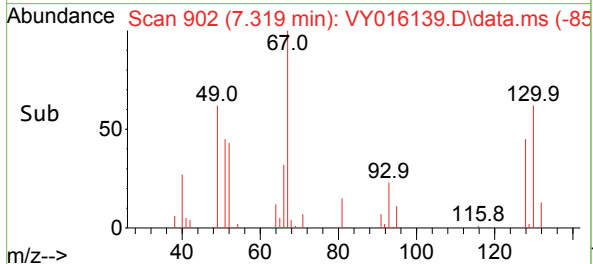
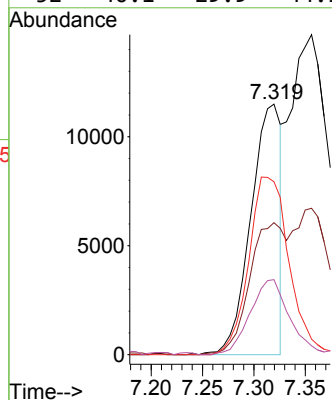
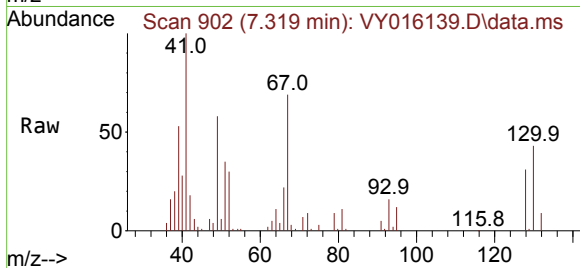


#41  
Methacrylonitrile  
Concen: 32.556 ug/l  
RT: 7.319 min Scan# 901  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 41 Resp: 23444

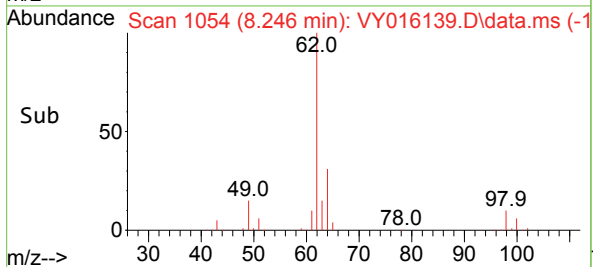
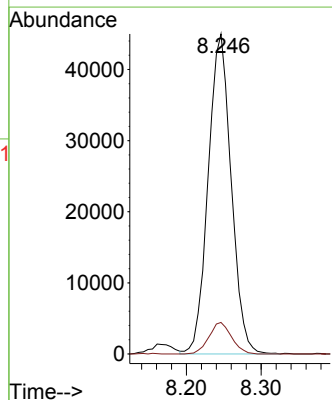
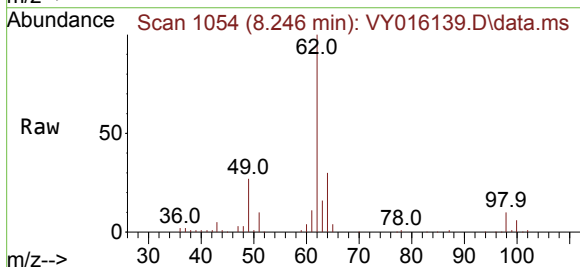
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 63.5  | 52.1  | 78.1  |
| 67  | 95.4  | 66.2  | 99.2  |
| 52  | 40.1  | 29.9  | 44.9  |

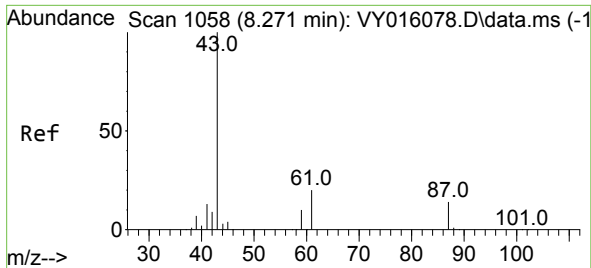


#42  
1,2-Dichloroethane  
Concen: 43.919 ug/l  
RT: 8.246 min Scan# 1054  
Delta R.T. 0.012 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion: 62 Resp: 96453

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.7   | 0.0   | 15.8  |

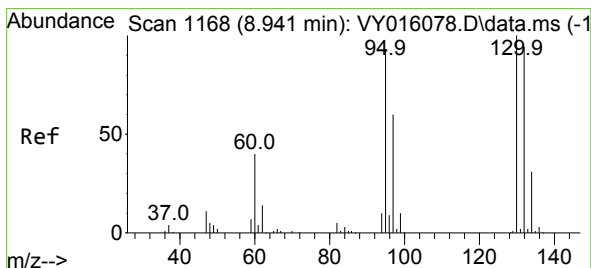
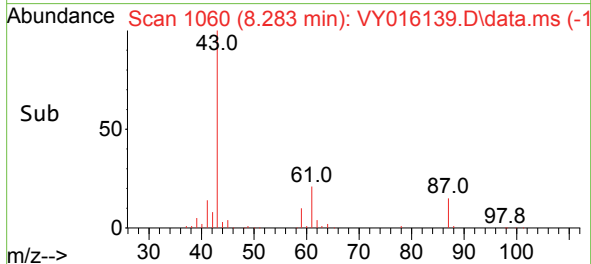
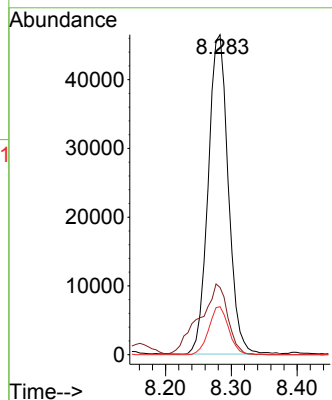
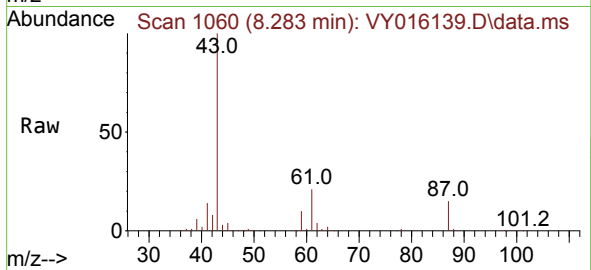




#43  
Isopropyl Acetate  
Concen: 38.351 ug/l  
RT: 8.283 min Scan# 1106  
Delta R.T. 0.012 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

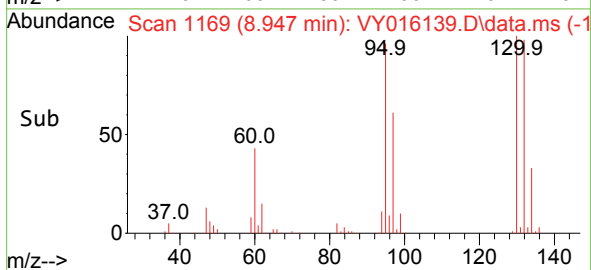
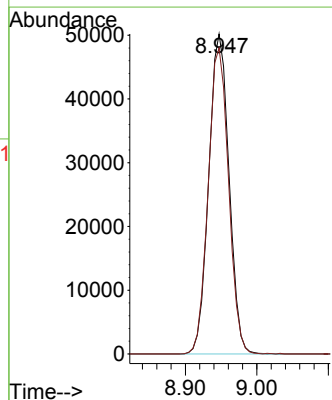
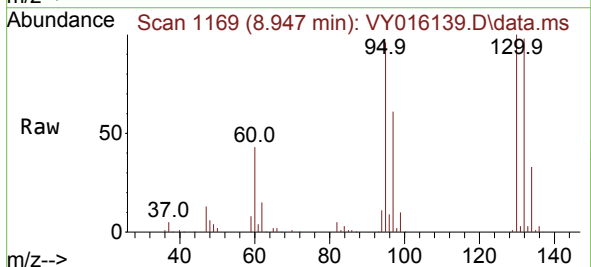
Instrument :  
MSVOA\_Y  
ClientSampleId :

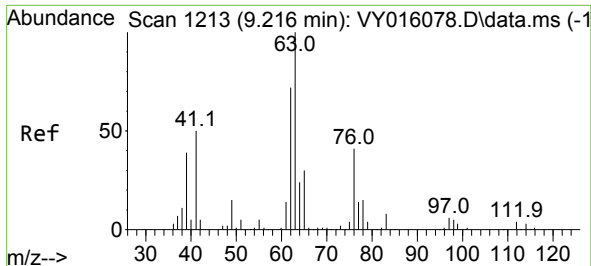
Tgt Ion: 43 Resp: 98665  
Ion Ratio Lower Upper  
43 100  
61 31.1 21.1 31.7  
87 14.9 9.8 14.8#



#44  
Trichloroethene  
Concen: 46.532 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion:130 Resp: 98754  
Ion Ratio Lower Upper  
130 100  
95 95.6 0.0 196.0

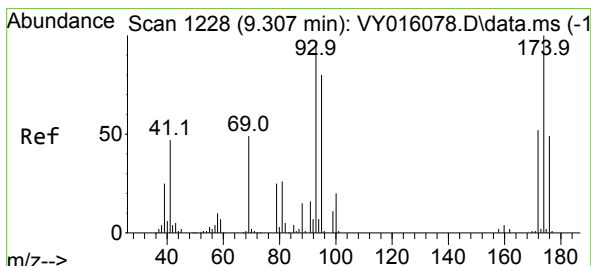
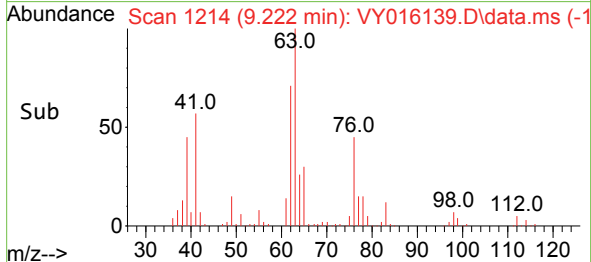
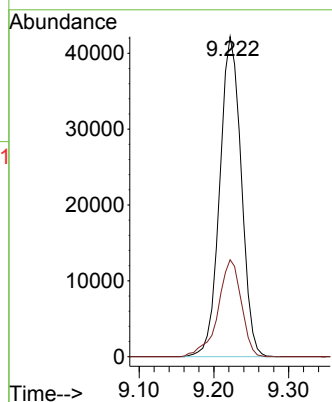
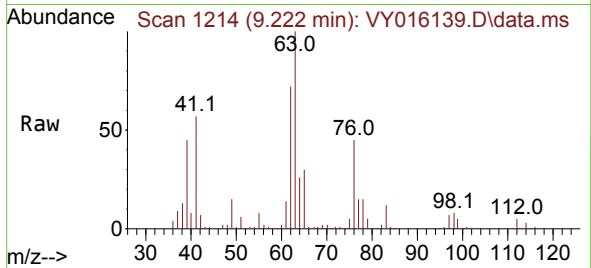




#45  
1,2-Dichloropropane  
Concen: 43.816 ug/l  
RT: 9.222 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

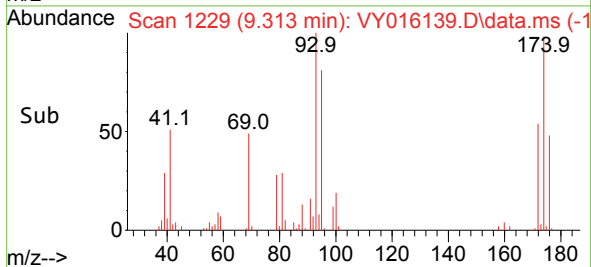
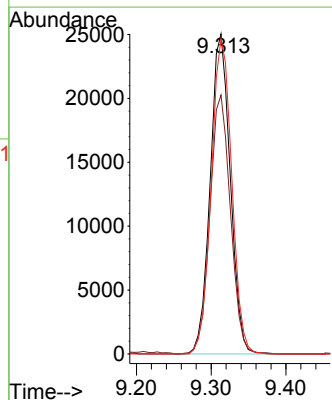
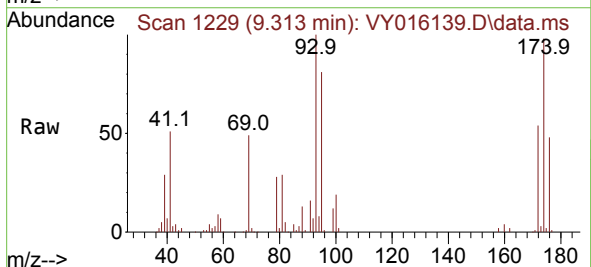
Instrument :  
MSVOA\_Y  
ClientSampleId :

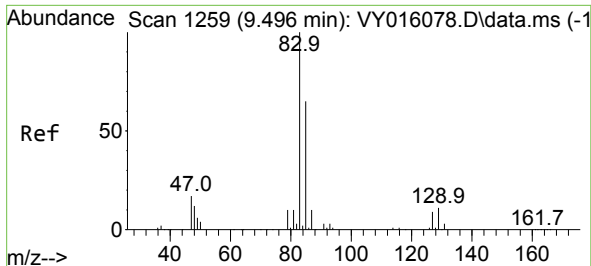
Tgt Ion: 63 Resp: 84285  
Ion Ratio Lower Upper  
63 100  
65 30.3 23.8 35.6



#46  
Dibromomethane  
Concen: 41.493 ug/l  
RT: 9.313 min Scan# 1229  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

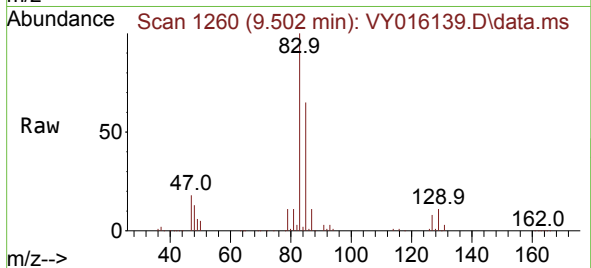
Tgt Ion: 93 Resp: 46800  
Ion Ratio Lower Upper  
93 100  
95 82.8 66.6 100.0  
174 100.5 84.8 127.2



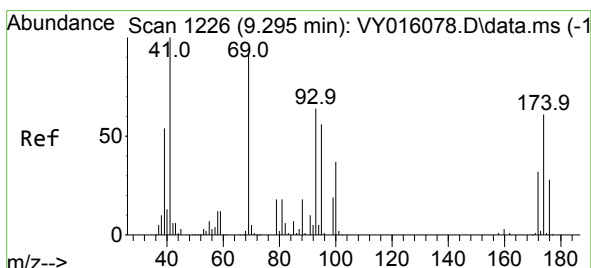
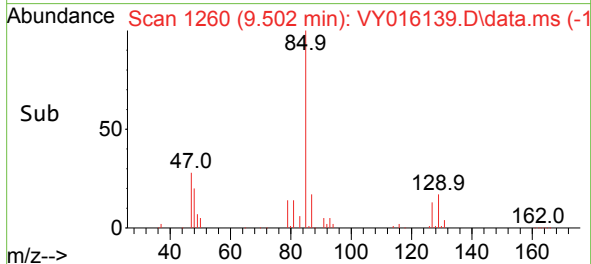
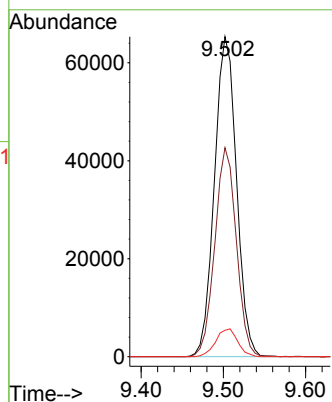


#47  
Bromodichloromethane  
Concen: 44.674 ug/l  
RT: 9.502 min Scan# 1260  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

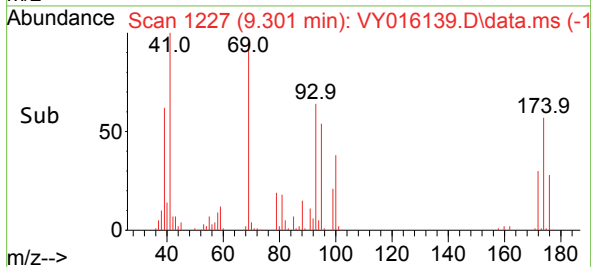
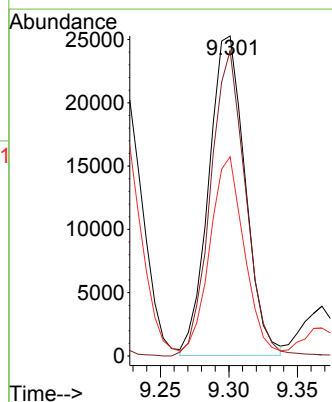
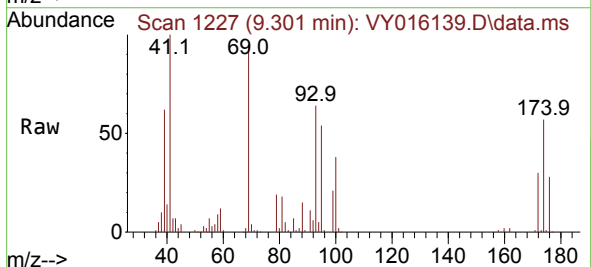


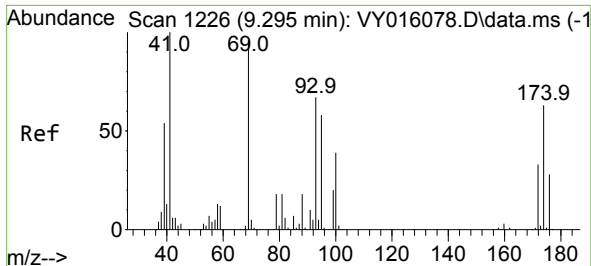
Tgt Ion: 83 Resp: 121860  
Ion Ratio Lower Upper  
83 100  
85 65.3 50.1 75.1  
127 8.3 7.1 10.7



#48  
Methyl methacrylate  
Concen: 39.383 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion: 41 Resp: 46679  
Ion Ratio Lower Upper  
41 100  
69 91.7 64.5 96.7  
39 59.4 50.8 76.2





#49

1,4-Dioxane

Concen: 756.331 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.012 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

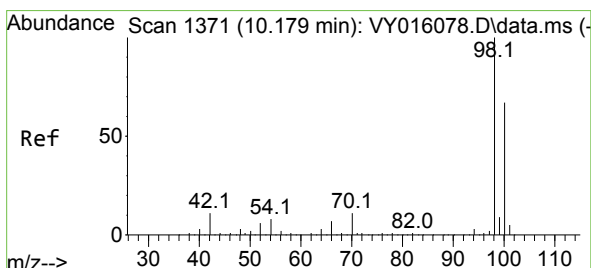
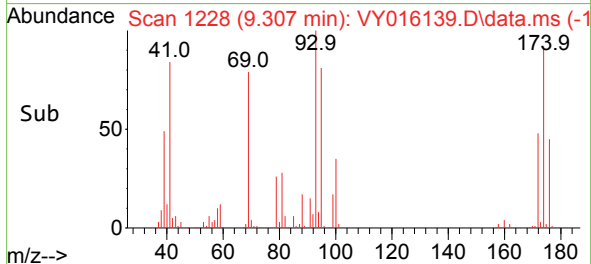
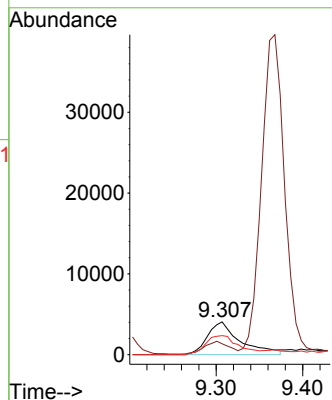
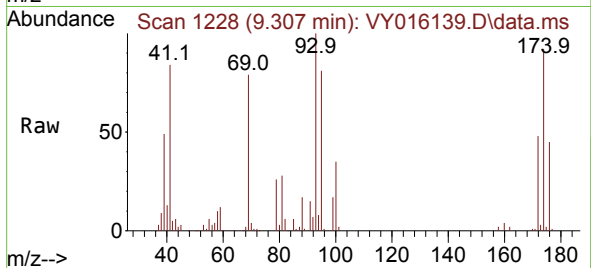
Tgt Ion: 88 Resp: 10673

Ion Ratio Lower Upper

88 100

43 28.7 0.0 0.0#

58 58.2 30.9 46.3#



#50

Toluene-d8

Concen: 47.521 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY016139.D

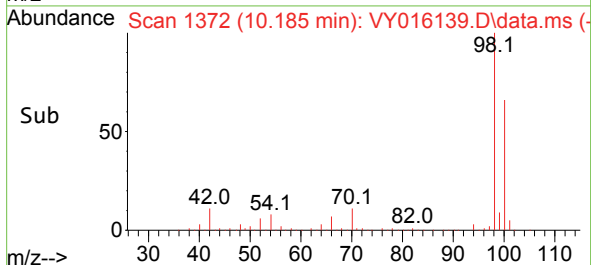
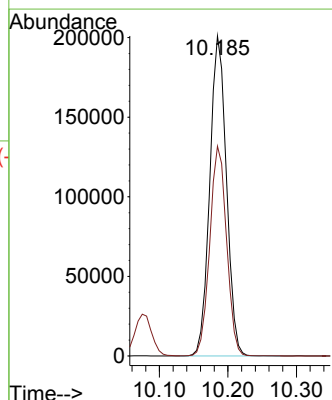
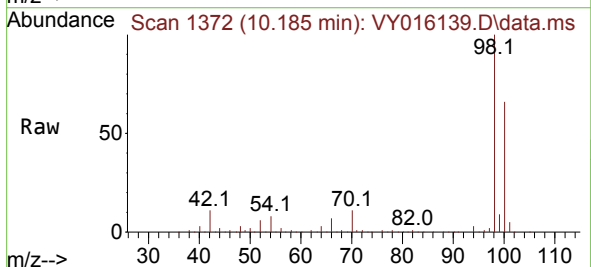
Acq: 30 Oct 2023 18:35

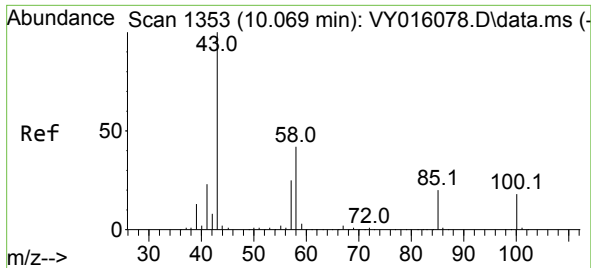
Tgt Ion: 98 Resp: 338999

Ion Ratio Lower Upper

98 100

100 66.2 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 185.625 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

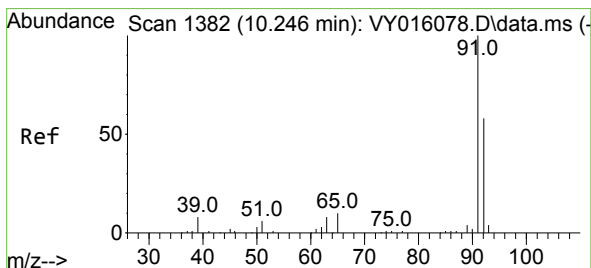
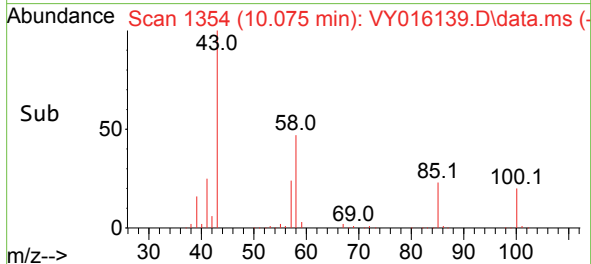
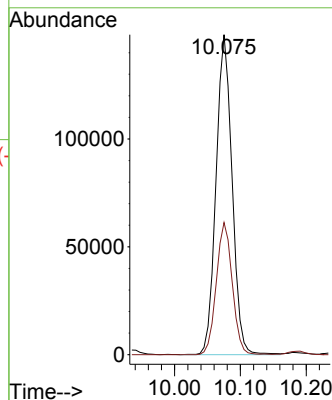
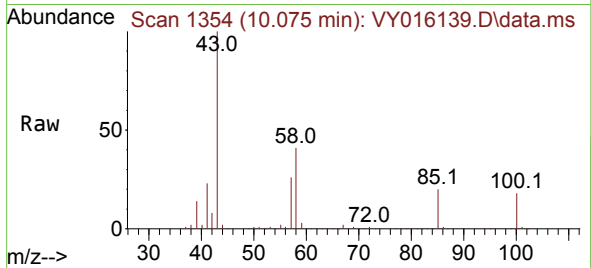
ClientSampleId :

Tgt Ion: 43 Resp: 251990

Ion Ratio Lower Upper

43 100

58 41.1 29.0 43.6



#52

Toluene

Concen: 46.269 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY016139.D

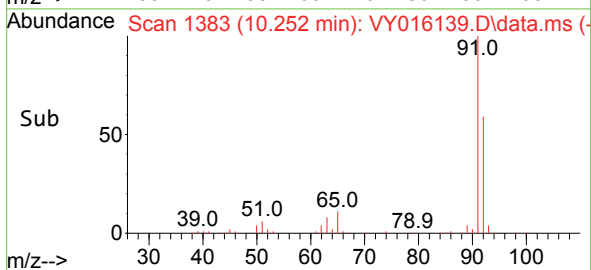
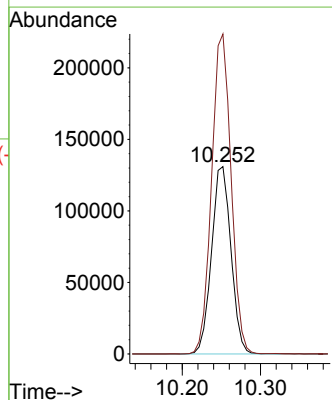
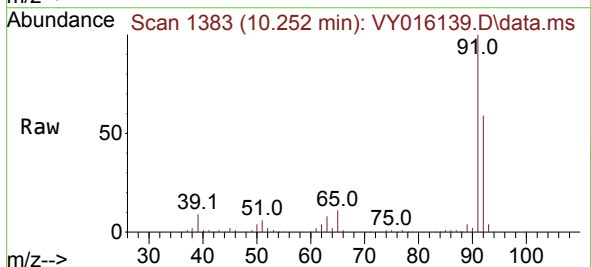
Acq: 30 Oct 2023 18:35

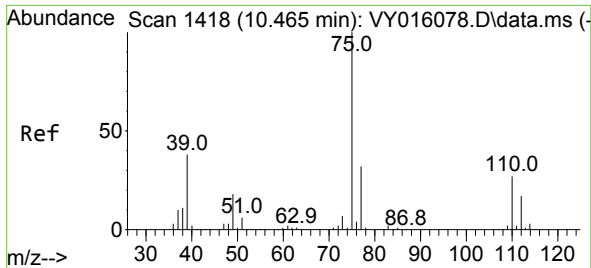
Tgt Ion: 92 Resp: 225820

Ion Ratio Lower Upper

92 100

91 171.0 143.8 215.6

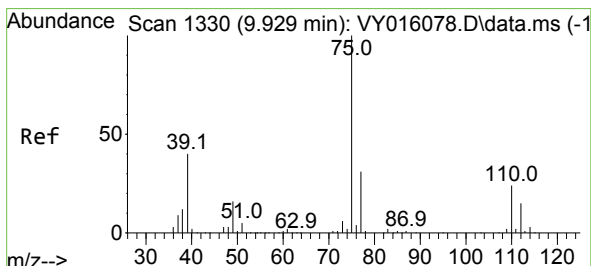
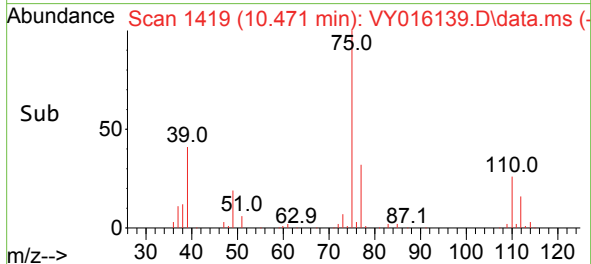
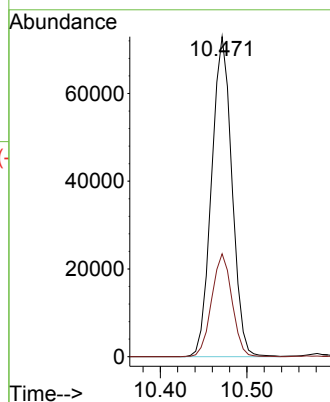
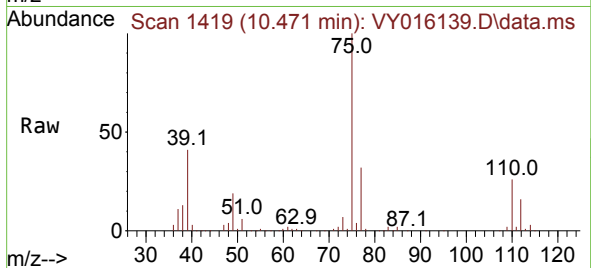




#53  
 t-1,3-Dichloropropene  
 Concen: 42.789 ug/l  
 RT: 10.471 min Scan# 1418  
 Delta R.T. 0.006 min  
 Lab File: VY016139.D  
 Acq: 30 Oct 2023 18:35

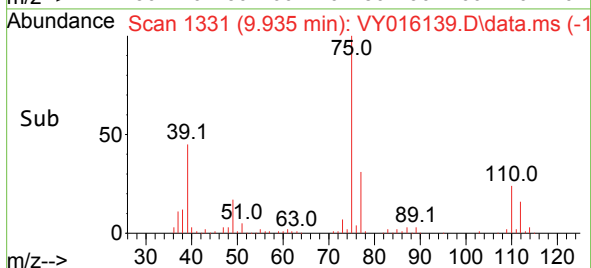
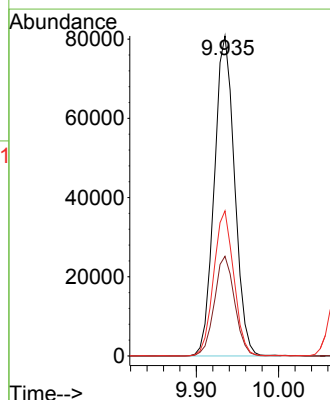
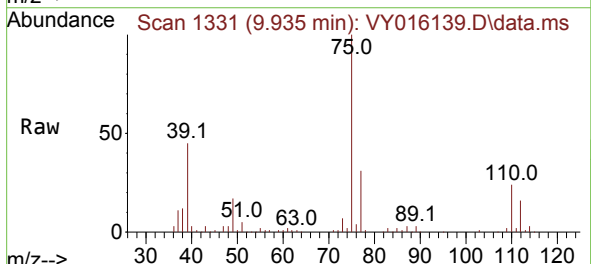
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

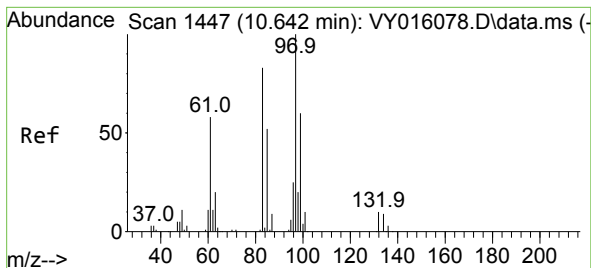
Tgt Ion: 75 Resp: 119354  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 43.969 ug/l  
 RT: 9.935 min Scan# 1331  
 Delta R.T. 0.006 min  
 Lab File: VY016139.D  
 Acq: 30 Oct 2023 18:35

Tgt Ion: 75 Resp: 138700  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 24.2 36.4  
 39 45.4 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 40.516 ug/l

RT: 10.654 min Scan# 1449

Delta R.T. 0.012 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 64928

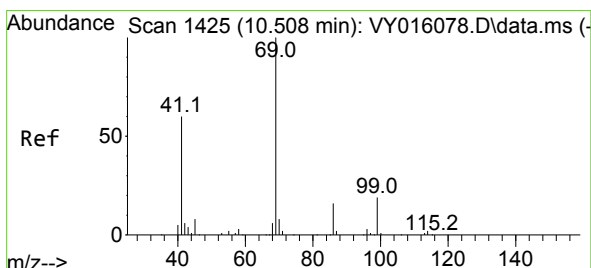
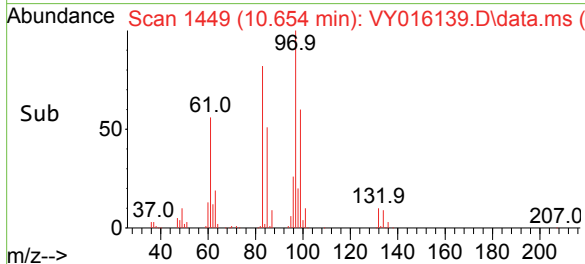
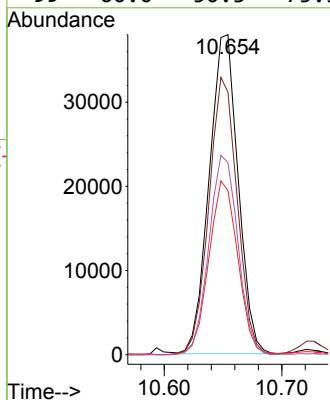
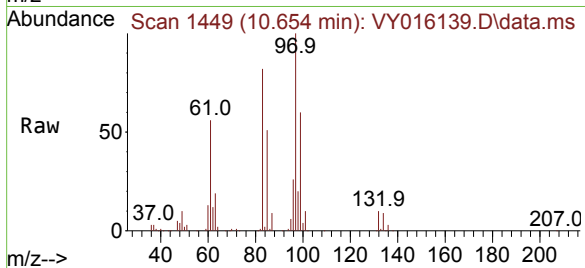
Ion Ratio Lower Upper

97 100

83 81.8 72.0 108.0

85 51.2 45.4 68.0

99 60.0 50.3 75.5



#56

Ethyl methacrylate

Concen: 40.855 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

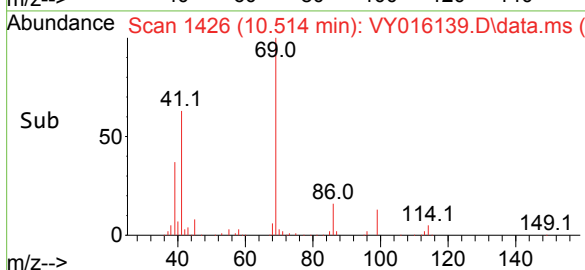
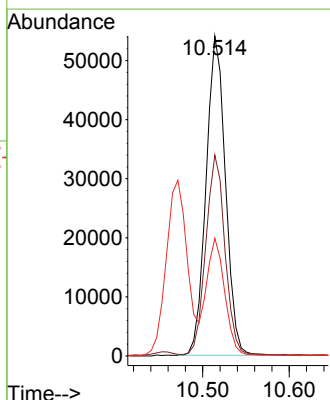
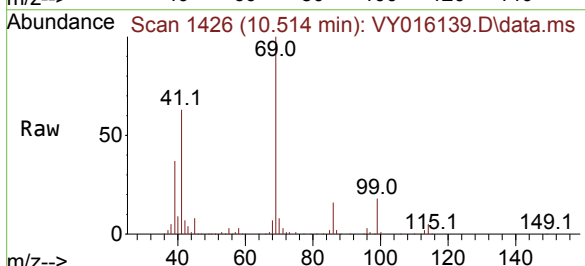
Tgt Ion: 69 Resp: 84142

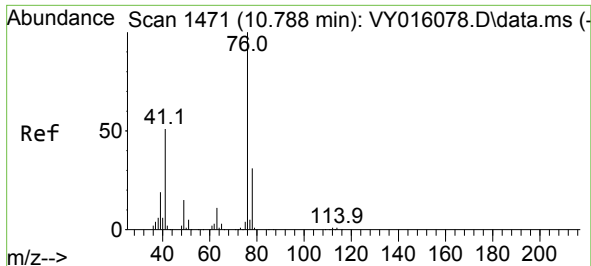
Ion Ratio Lower Upper

69 100

41 62.0 57.6 86.4

39 34.1 34.1 51.1#





#57

1,3-Dichloropropane

Concen: 40.869 ug/l

RT: 10.794 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

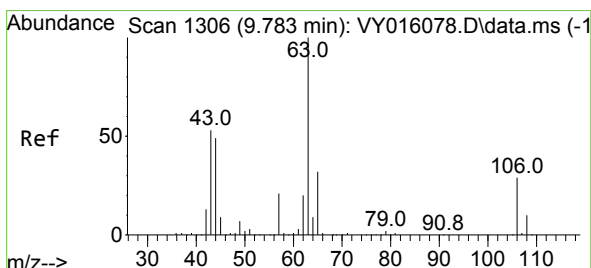
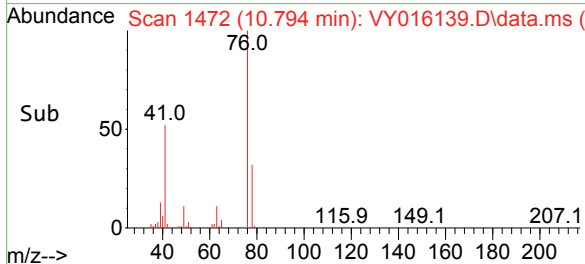
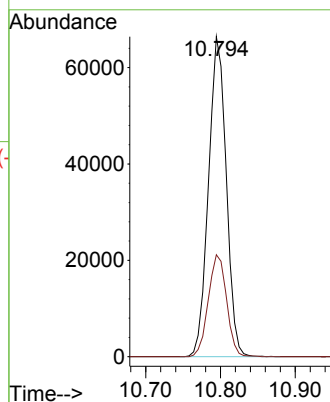
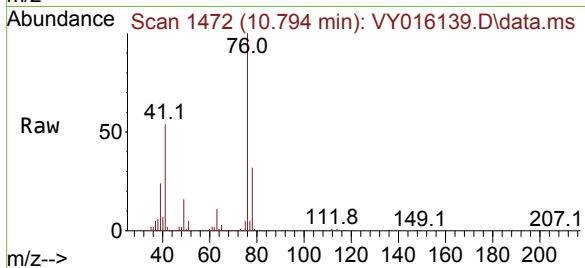
ClientSampleId :

Tgt Ion: 76 Resp: 109483

Ion Ratio Lower Upper

76 100

78 32.8 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 200.790 ug/l

RT: 9.789 min Scan# 1307

Delta R.T. 0.006 min

Lab File: VY016139.D

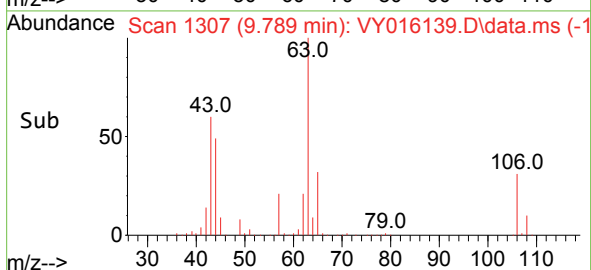
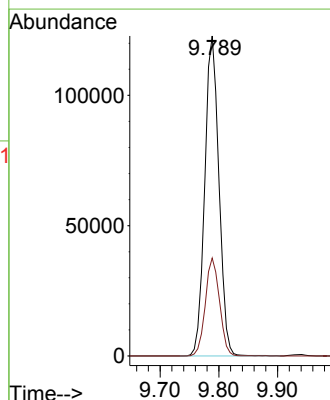
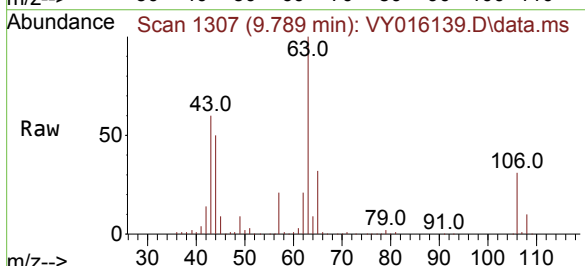
Acq: 30 Oct 2023 18:35

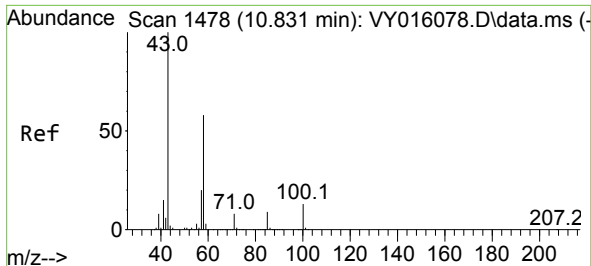
Tgt Ion: 63 Resp: 205869

Ion Ratio Lower Upper

63 100

106 30.6 21.2 31.8

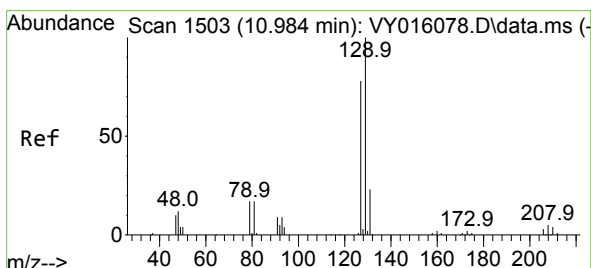
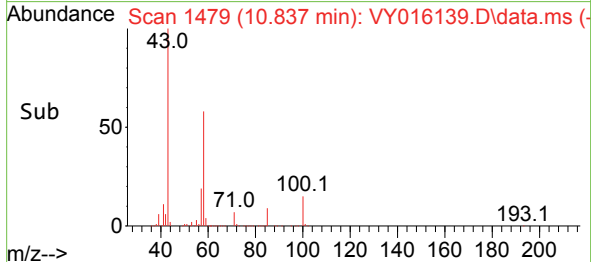
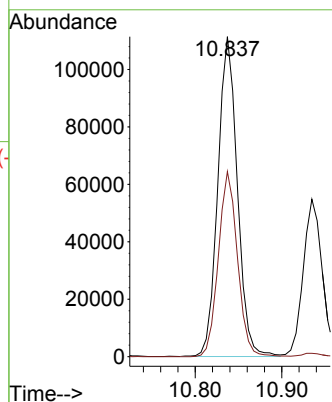
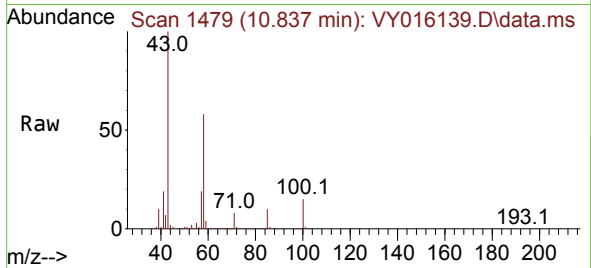




#59  
2-Hexanone  
Concen: 174.177 ug/l  
RT: 10.837 min Scan# 1478  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

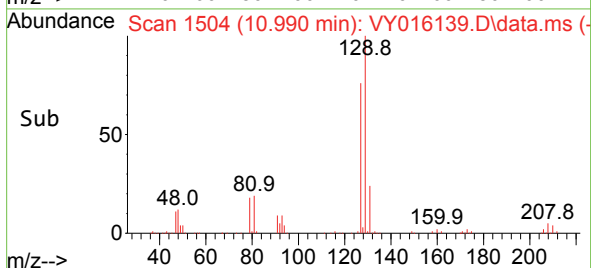
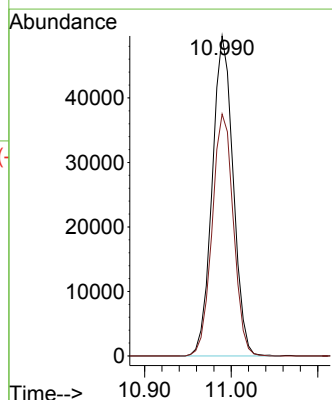
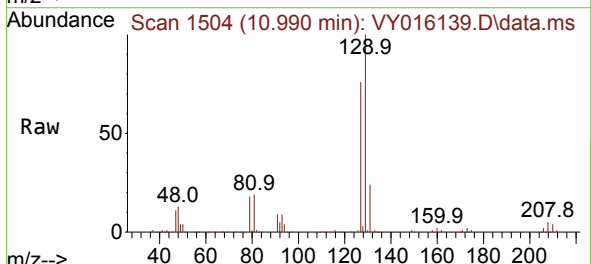
Instrument :  
MSVOA\_Y  
ClientSampleId :

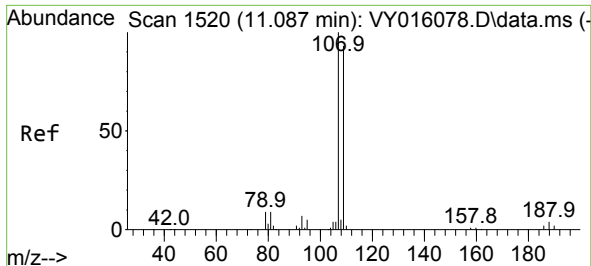
Tgt Ion: 43 Resp: 174176  
Ion Ratio Lower Upper  
43 100  
58 56.8 25.1 75.3



#60  
Dibromochloromethane  
Concen: 42.467 ug/l  
RT: 10.990 min Scan# 1504  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion:129 Resp: 83338  
Ion Ratio Lower Upper  
129 100  
127 76.6 38.5 115.5

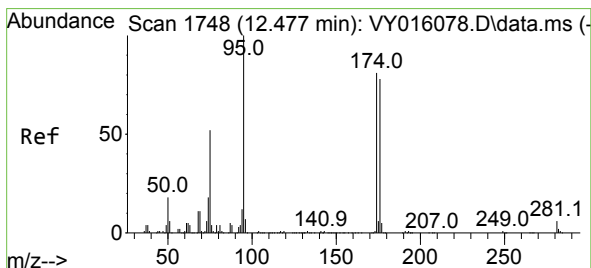
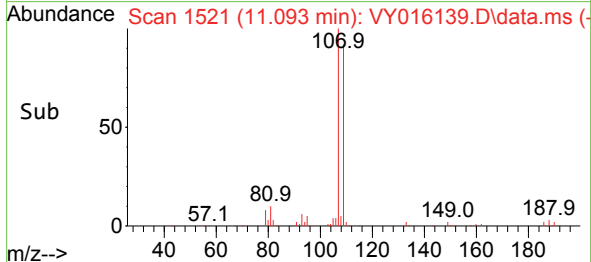
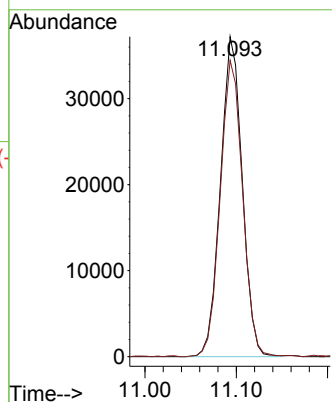
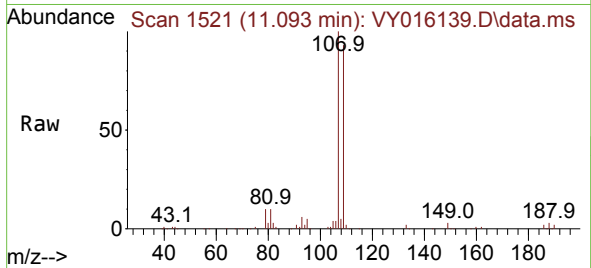




#61  
1,2-Dibromoethane  
Concen: 40.109 ug/l  
RT: 11.093 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

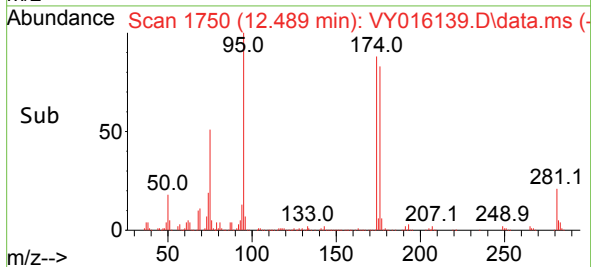
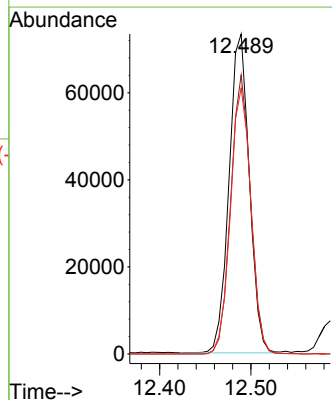
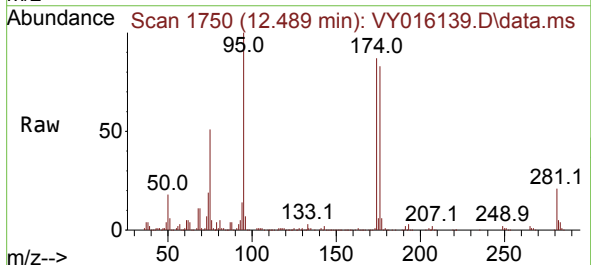
Instrument :  
MSVOA\_Y  
ClientSampleId :

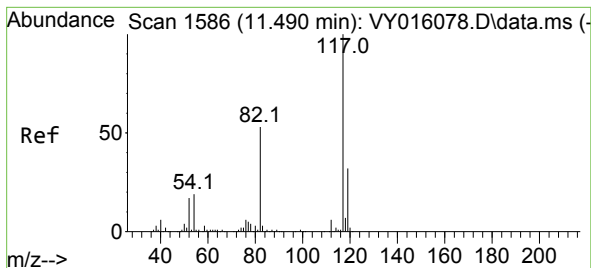
Tgt Ion:107 Resp: 61549  
Ion Ratio Lower Upper  
107 100  
109 95.3 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 46.191 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.012 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion: 95 Resp: 113030  
Ion Ratio Lower Upper  
95 100  
174 85.8 0.0 178.2  
176 84.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

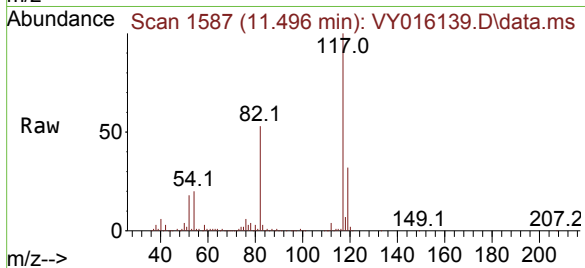
Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :



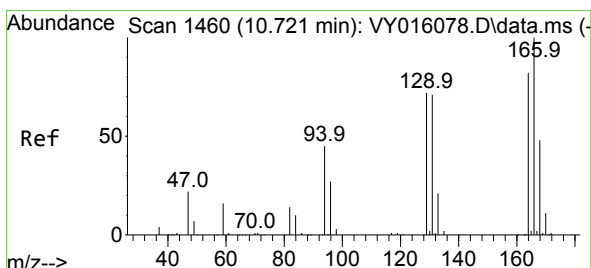
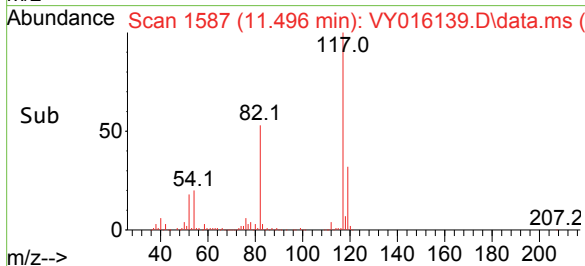
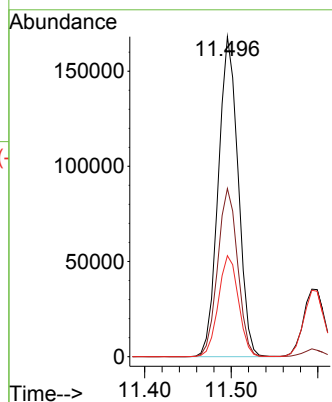
Tgt Ion:117 Resp: 267549

Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

119 31.6 26.3 39.5



#64

Tetrachloroethene

Concen: 56.873 ug/l

RT: 10.727 min Scan# 1461

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Tgt Ion:164 Resp: 100695

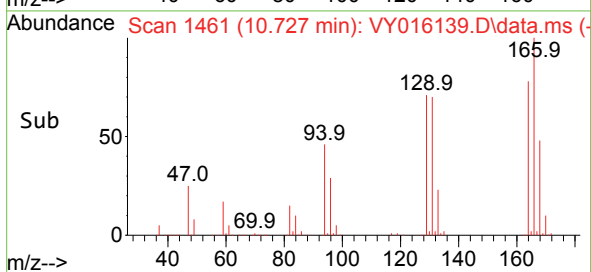
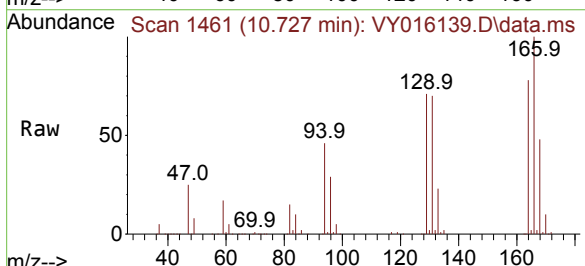
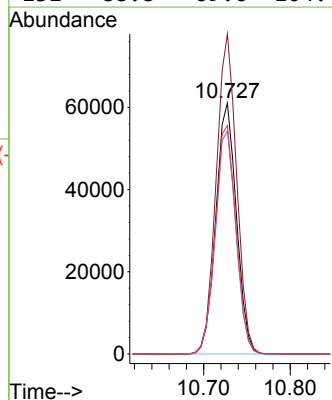
Ion Ratio Lower Upper

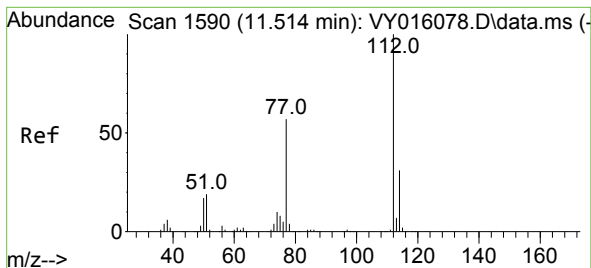
164 100

166 127.5 103.0 154.6

129 91.1 77.2 115.8

131 88.8 69.6 104.4





#65

Chlorobenzene

Concen: 46.199 ug/l

RT: 11.520 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

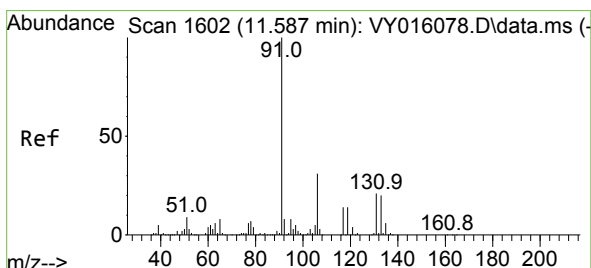
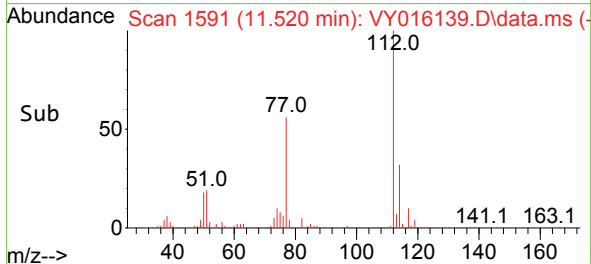
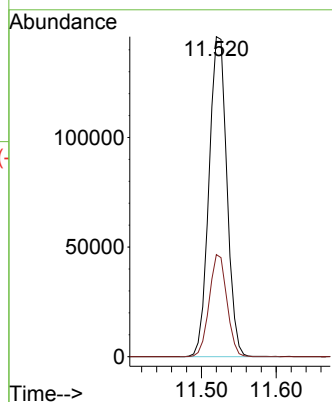
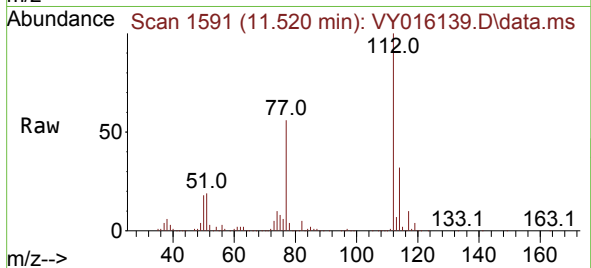
ClientSampleId :

Tgt Ion:112 Resp: 242906

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 46.543 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.012 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

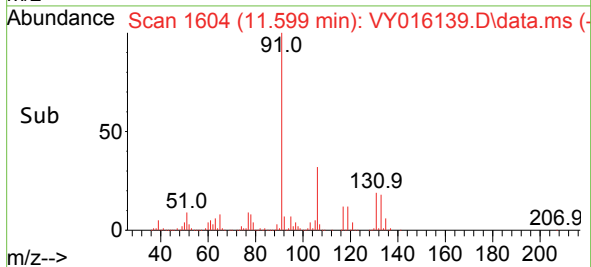
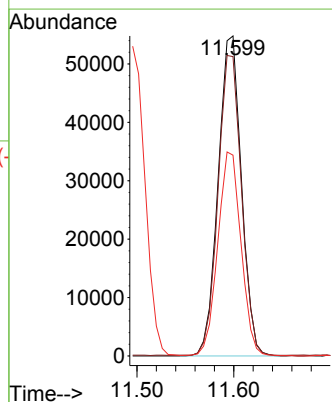
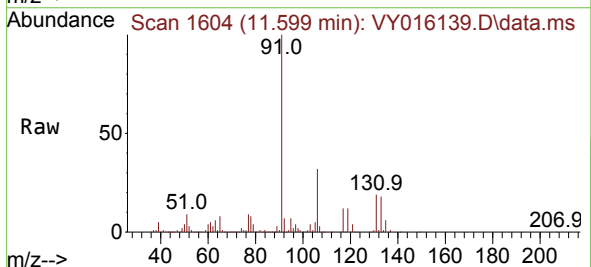
Tgt Ion:131 Resp: 91388

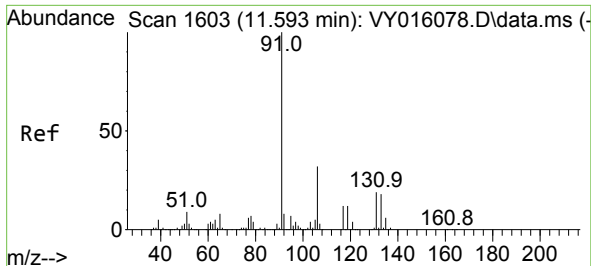
Ion Ratio Lower Upper

131 100

133 94.2 47.5 142.6

119 63.9 31.6 94.7

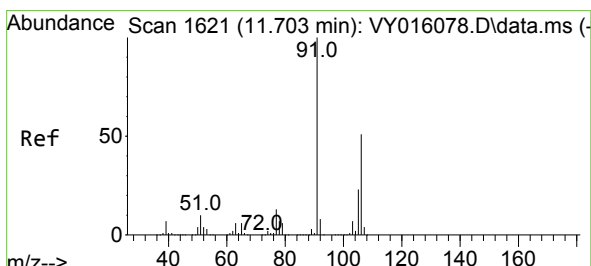
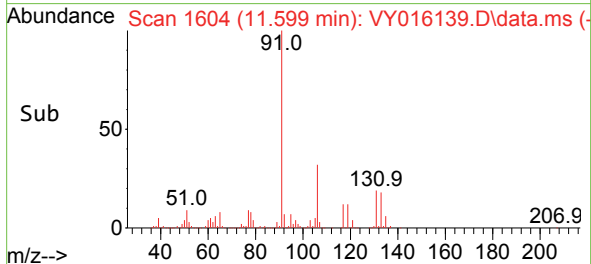
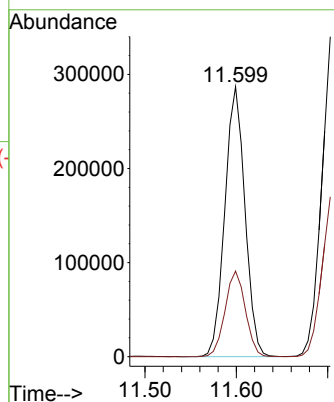
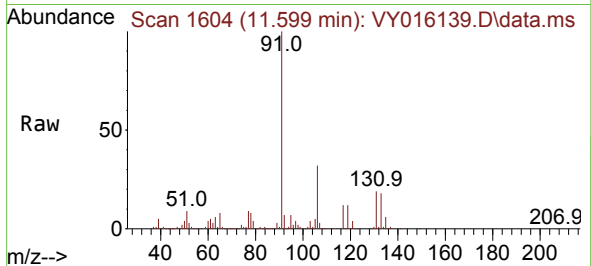




#67  
Ethyl Benzene  
Concen: 46.866 ug/l  
RT: 11.599 min Scan# 1604  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

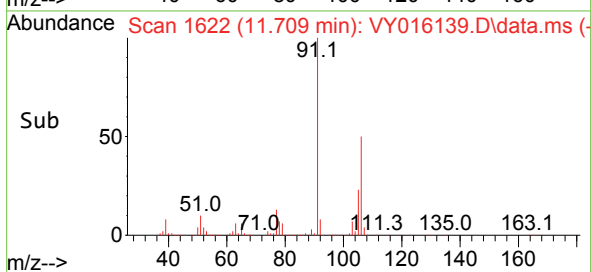
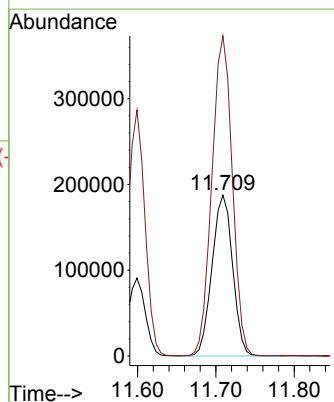
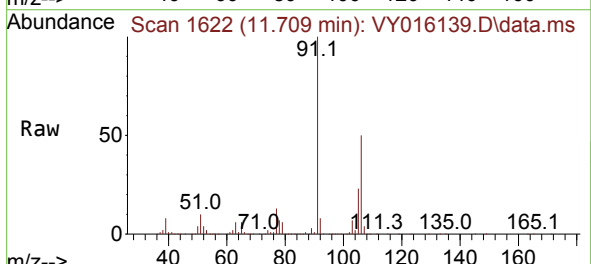
Instrument :  
MSVOA\_Y  
ClientSampleId :

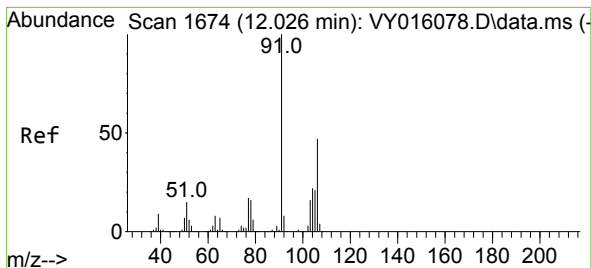
Tgt Ion: 91 Resp: 437674  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.6 36.8



#68  
m/p-Xylenes  
Concen: 94.469 ug/l  
RT: 11.709 min Scan# 1622  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion:106 Resp: 341416  
Ion Ratio Lower Upper  
106 100  
91 197.7 166.1 249.1





#69

o-Xylene

Concen: 47.262 ug/l

RT: 12.038 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

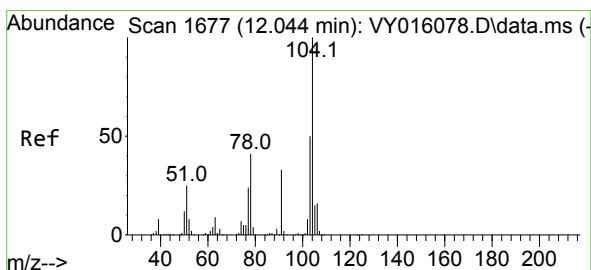
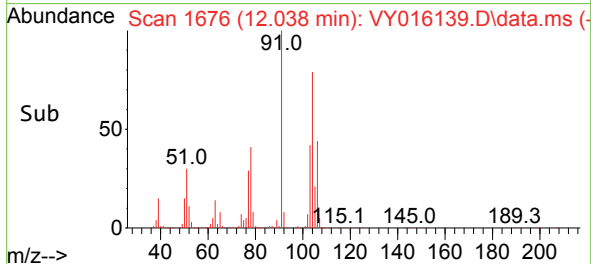
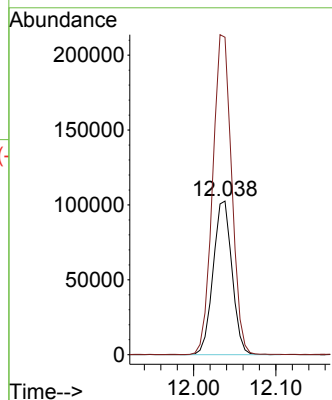
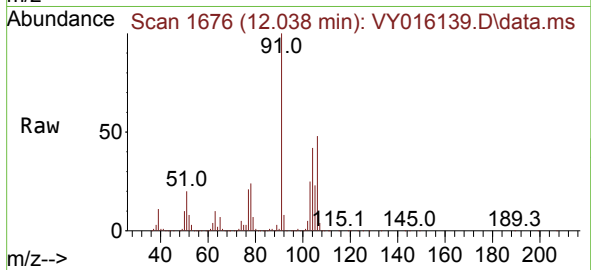
ClientSampleId :

Tgt Ion:106 Resp: 163522

Ion Ratio Lower Upper

106 100

91 209.9 108.1 324.3



#70

Styrene

Concen: 47.280 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

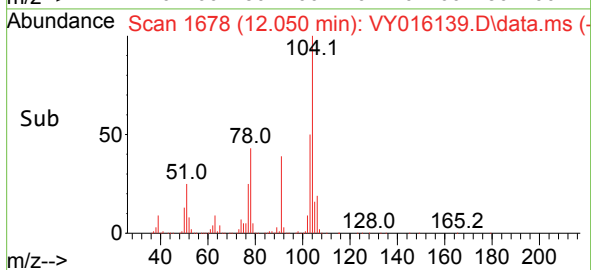
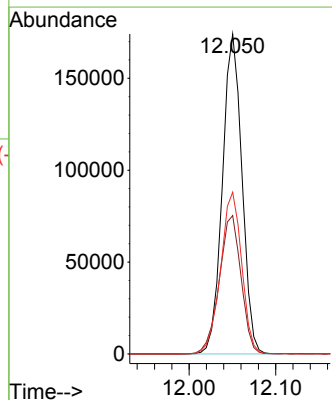
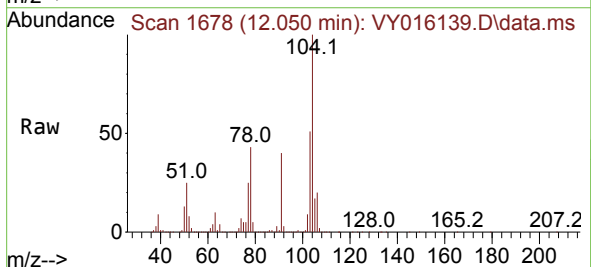
Tgt Ion:104 Resp: 272683

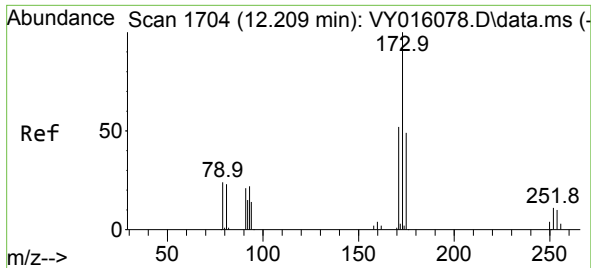
Ion Ratio Lower Upper

104 100

78 48.3 41.5 62.3

103 54.6 44.6 67.0

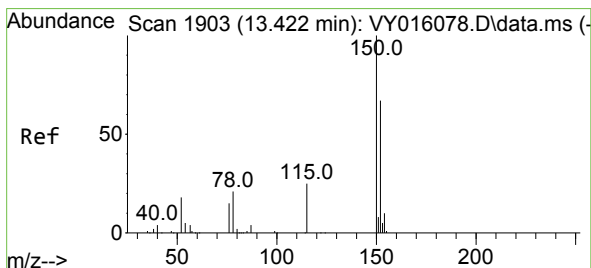
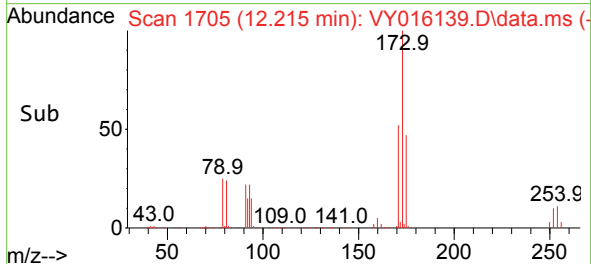
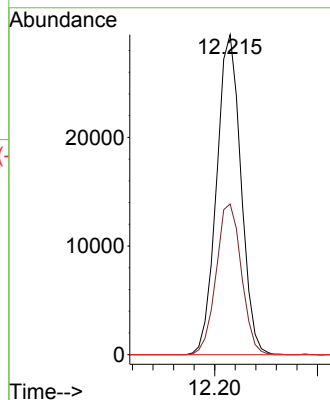
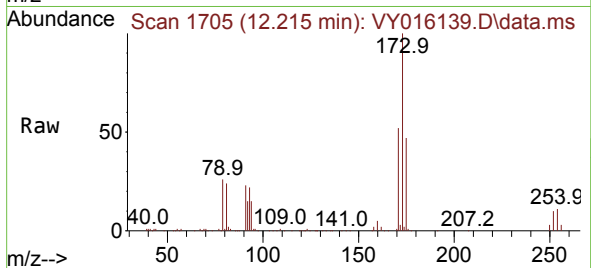




#71  
Bromoform  
Concen: 40.412 ug/l  
RT: 12.215 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

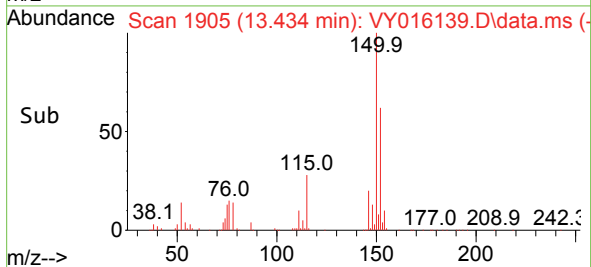
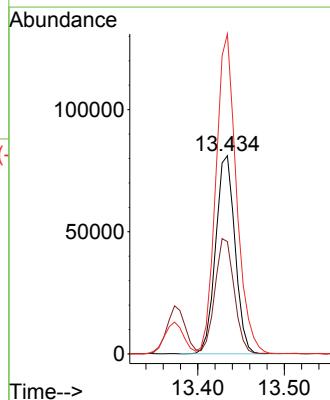
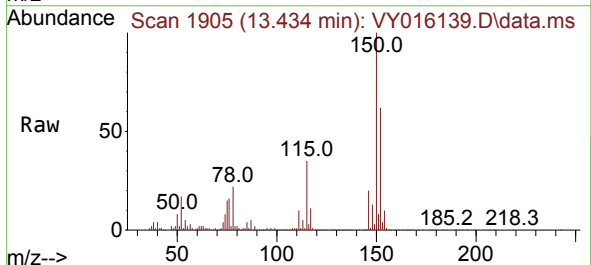
Instrument :  
MSVOA\_Y  
ClientSampleId :

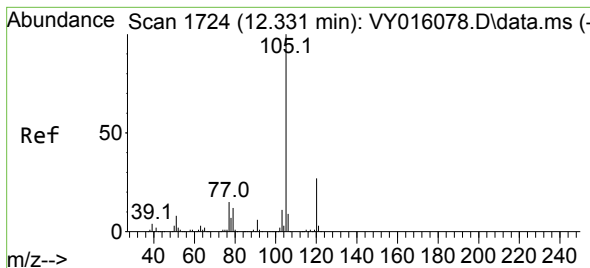
Tgt Ion:173 Resp: 48335  
Ion Ratio Lower Upper  
173 100  
175 48.9 24.6 73.8  
254 0.0 0.2 0.2#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.012 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion:152 Resp: 126048  
Ion Ratio Lower Upper  
152 100  
115 57.6 28.8 86.5  
150 171.3 0.0 348.8





#73

Isopropylbenzene

Concen: 49.030 ug/l

RT: 12.337 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

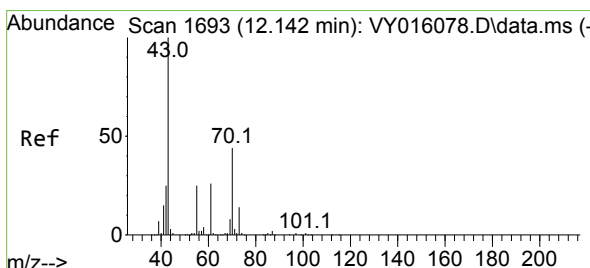
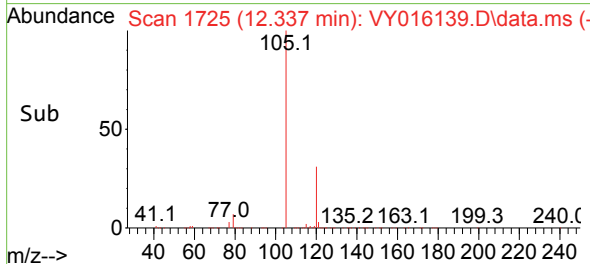
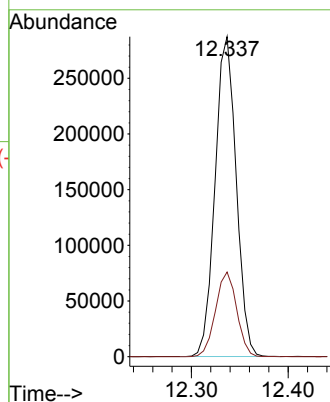
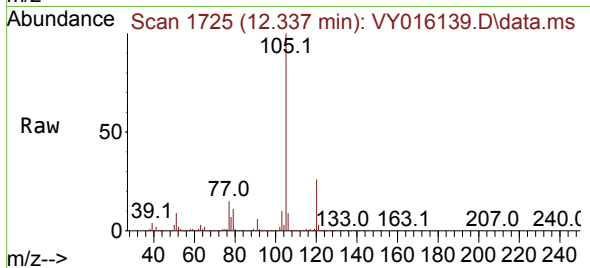
ClientSampleId :

Tgt Ion:105 Resp: 434931

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 41.862 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Tgt Ion: 43 Resp: 90548

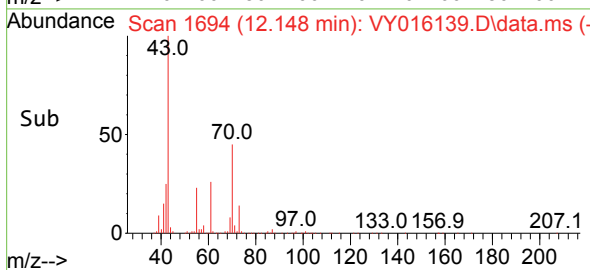
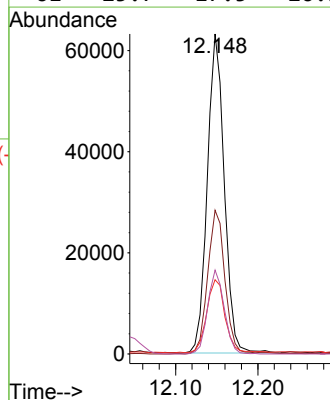
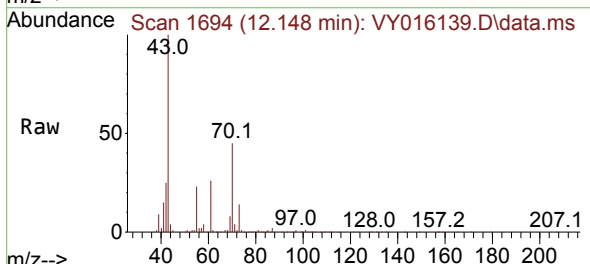
Ion Ratio Lower Upper

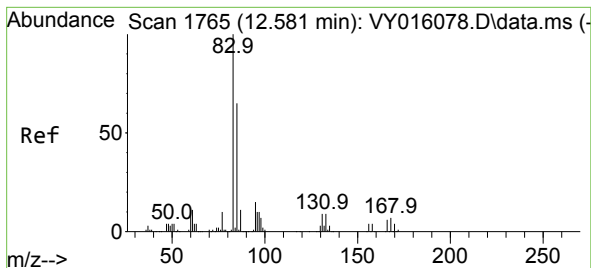
43 100

70 45.7 29.7 44.5

55 24.6 18.3 27.5

61 25.7 17.5 26.3

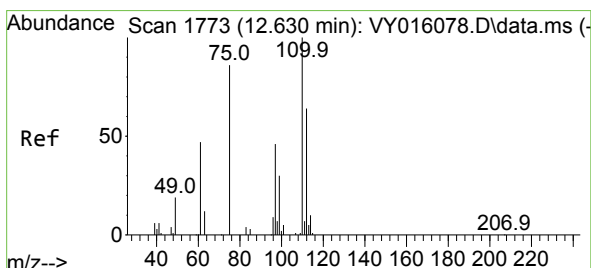
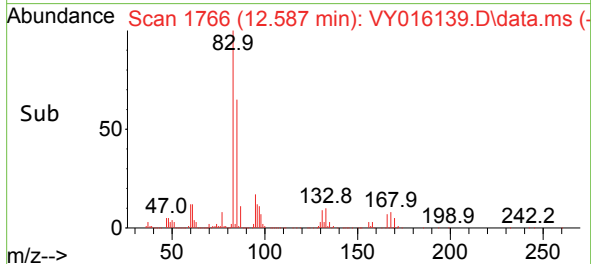
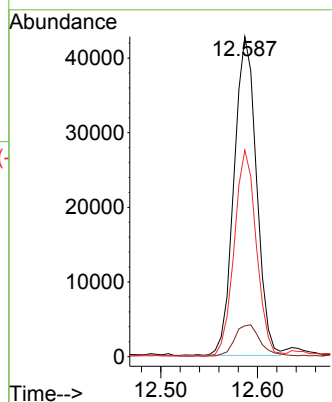
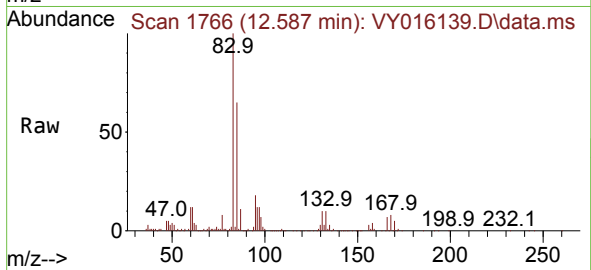




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 38.041 ug/l  
 RT: 12.587 min Scan# 1765  
 Delta R.T. 0.006 min  
 Lab File: VY016139.D  
 Acq: 30 Oct 2023 18:35

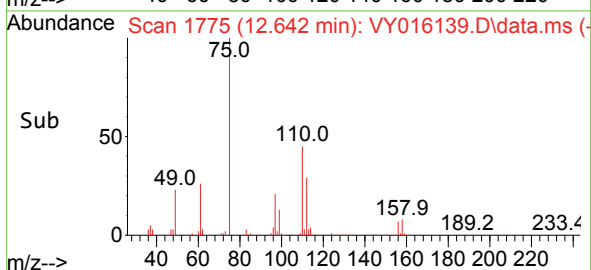
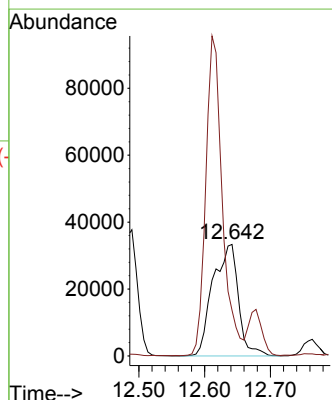
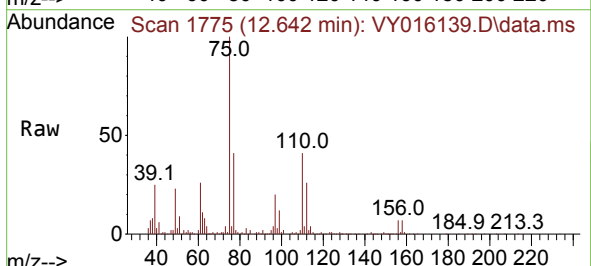
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

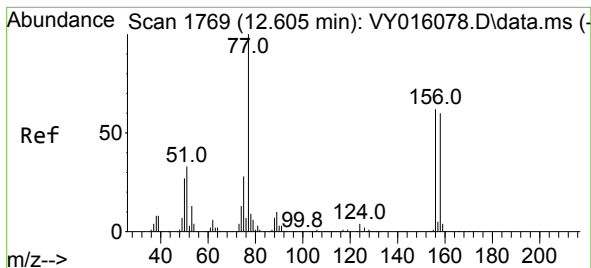
Tgt Ion: 83 Resp: 68982  
 Ion Ratio Lower Upper  
 83 100  
 131 11.7 5.4 16.2  
 85 63.7 31.8 95.4



#76  
 1,2,3-Trichloropropane  
 Concen: 70.163 ug/l  
 RT: 12.642 min Scan# 1775  
 Delta R.T. 0.012 min  
 Lab File: VY016139.D  
 Acq: 30 Oct 2023 18:35

Tgt Ion: 75 Resp: 90293  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.467 ug/l

RT: 12.617 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

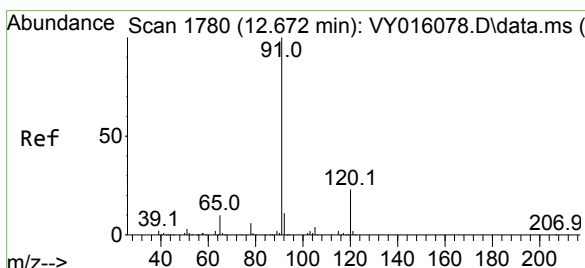
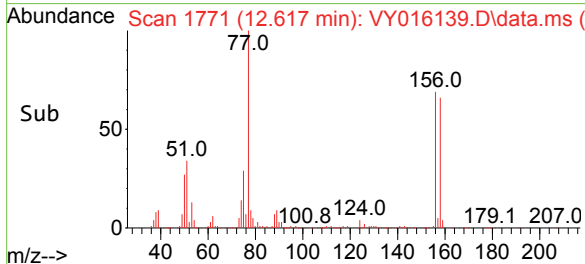
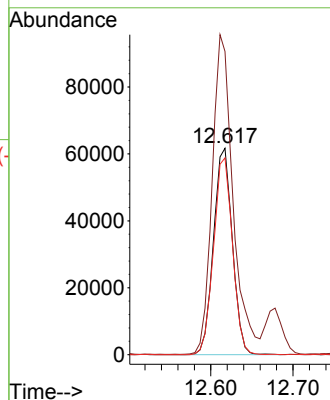
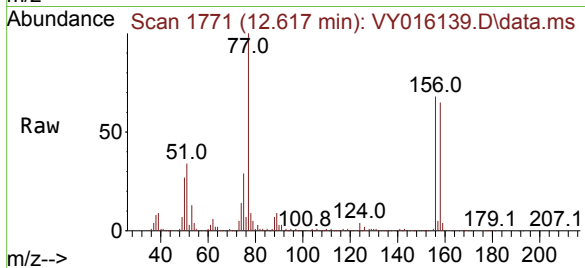
Tgt Ion:156 Resp: 98270

Ion Ratio Lower Upper

156 100

77 171.1 92.8 278.6

158 96.1 48.4 145.3



#78

n-propylbenzene

Concen: 48.035 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.006 min

Lab File: VY016139.D

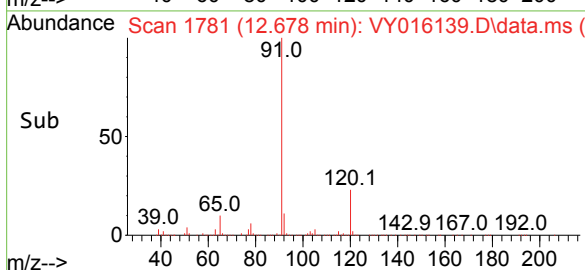
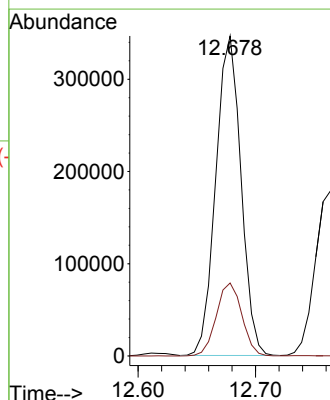
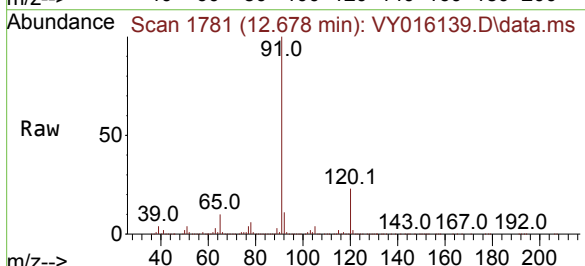
Acq: 30 Oct 2023 18:35

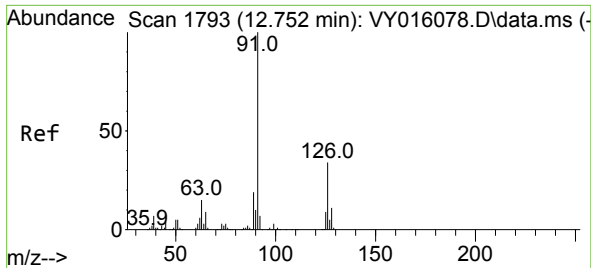
Tgt Ion: 91 Resp: 515936

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4

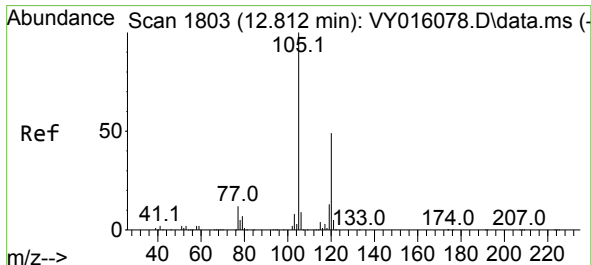
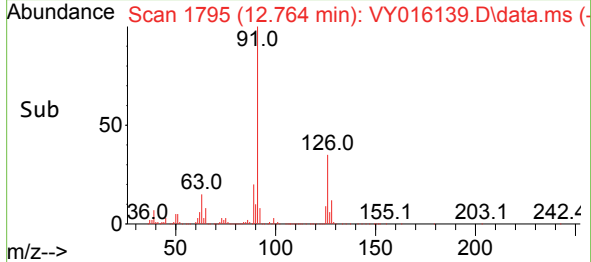
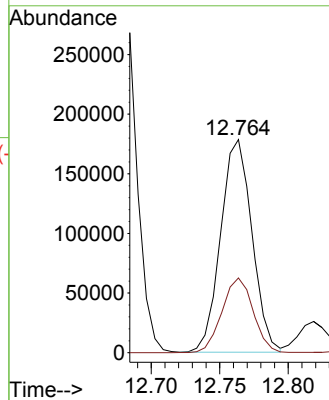
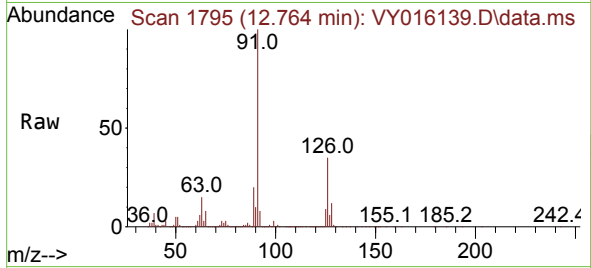




#79  
2-Chlorotoluene  
Concen: 47.187 ug/l  
RT: 12.764 min Scan# 1795  
Delta R.T. 0.012 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

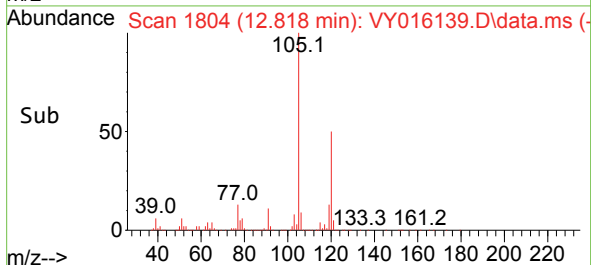
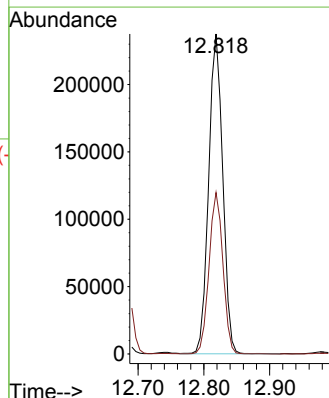
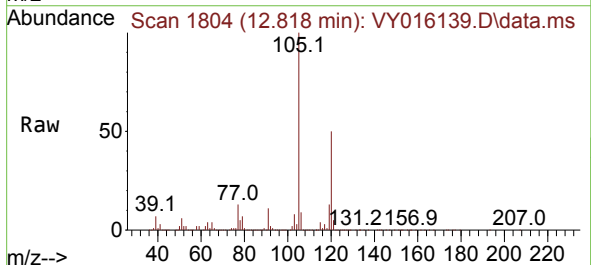
Instrument :  
MSVOA\_Y  
ClientSampleId :

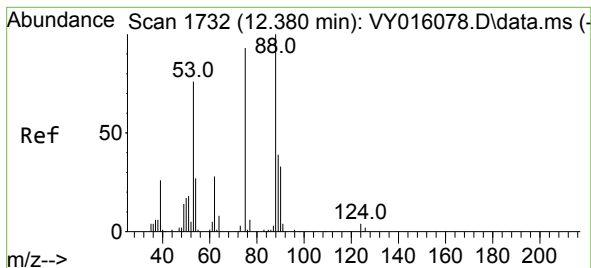
Tgt Ion: 91 Resp: 283850  
Ion Ratio Lower Upper  
91 100  
126 35.0 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 47.954 ug/l  
RT: 12.818 min Scan# 1804  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion: 105 Resp: 353184  
Ion Ratio Lower Upper  
105 100  
120 49.9 23.9 71.7

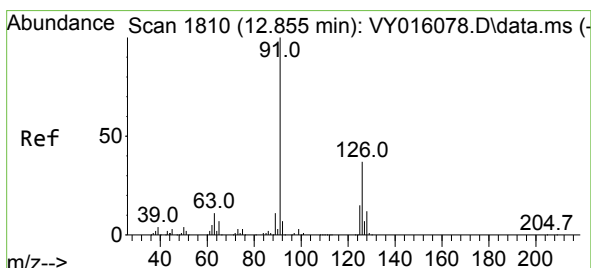
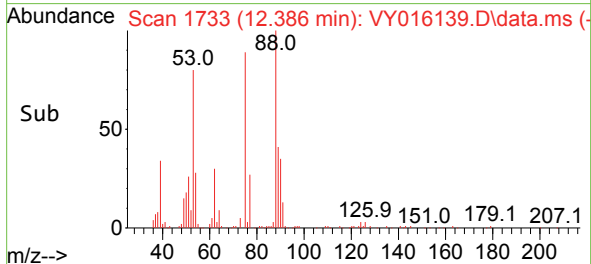
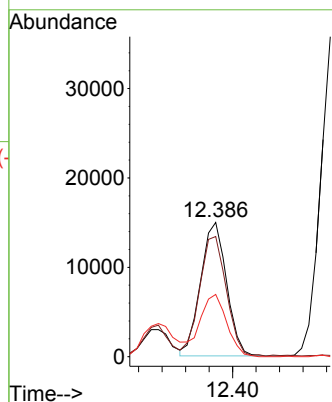
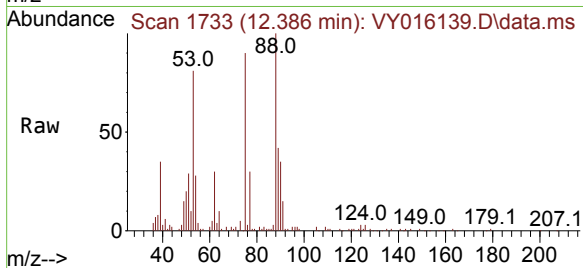




#81  
trans-1,4-Dichloro-2-butene  
Concen: 38.763 ug/l  
RT: 12.386 min Scan# 1732  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

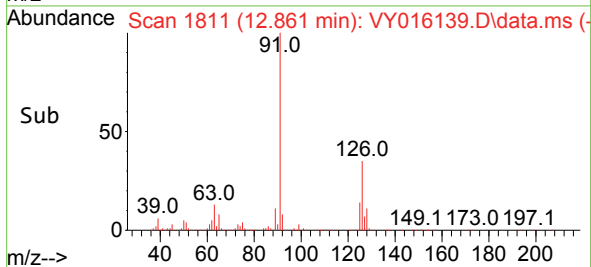
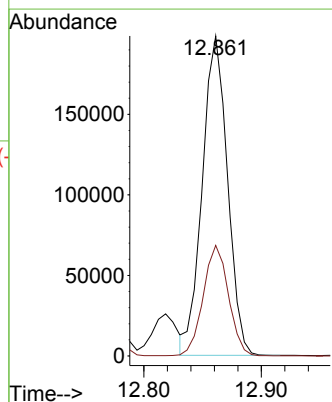
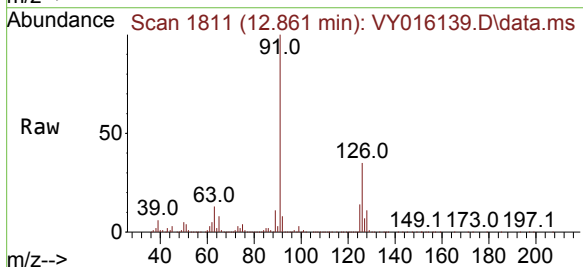
Instrument :  
MSVOA\_Y  
ClientSampleId :

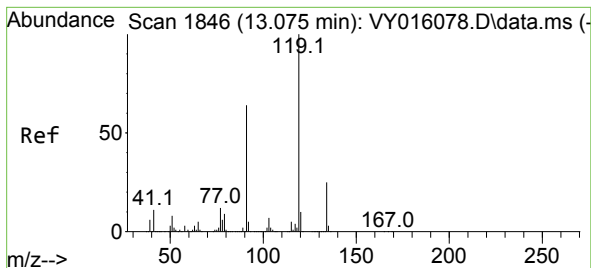
Tgt Ion: 75 Resp: 22955  
Ion Ratio Lower Upper  
75 100  
53 92.6 77.8 116.8  
89 49.7 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 47.388 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: VY016139.D  
Acq: 30 Oct 2023 18:35

Tgt Ion: 91 Resp: 295628  
Ion Ratio Lower Upper  
91 100  
126 34.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 48.304 ug/l

RT: 13.081 min Scan# 1847

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

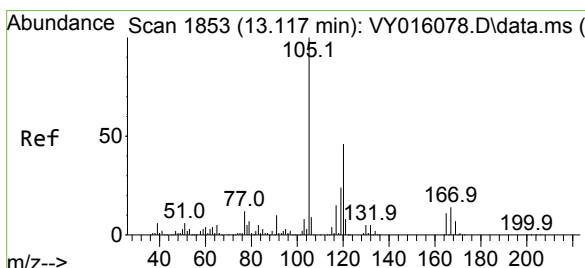
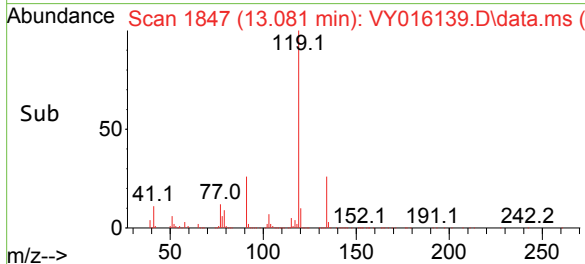
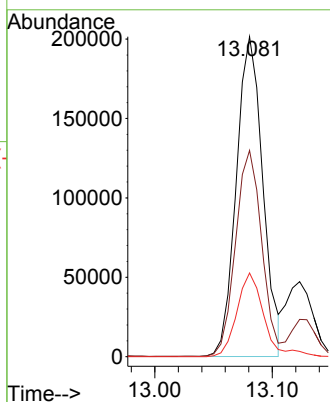
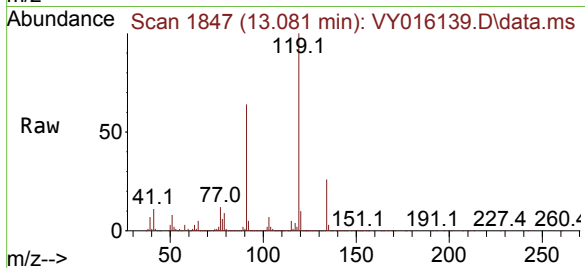
Tgt Ion:119 Resp: 316229

Ion Ratio Lower Upper

119 100

91 63.3 32.9 98.6

134 26.7 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 47.592 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY016139.D

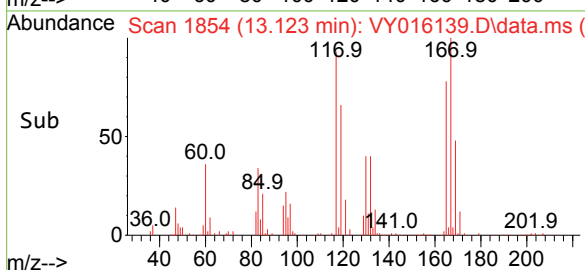
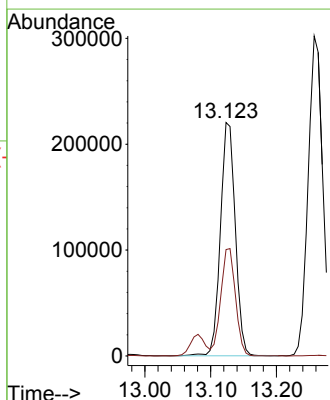
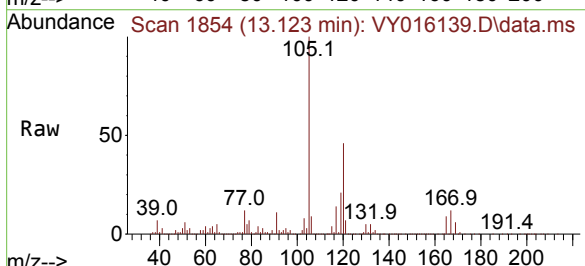
Acq: 30 Oct 2023 18:35

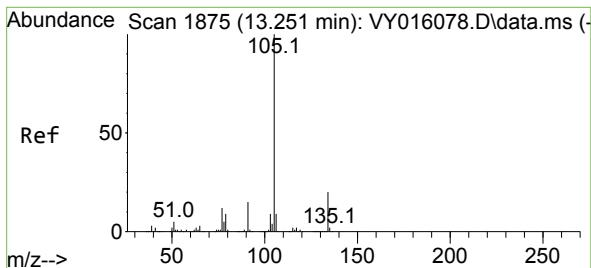
Tgt Ion:105 Resp: 346182

Ion Ratio Lower Upper

105 100

120 45.5 22.2 66.6





#85

sec-Butylbenzene

Concen: 47.422 ug/l

RT: 13.257 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

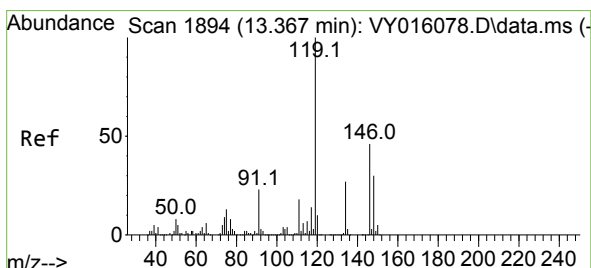
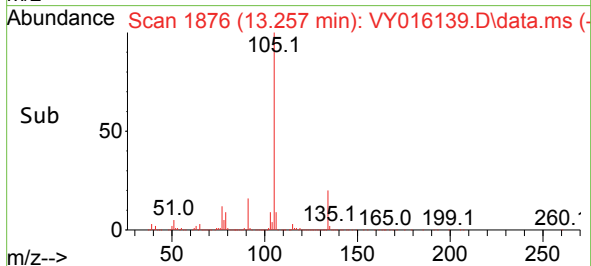
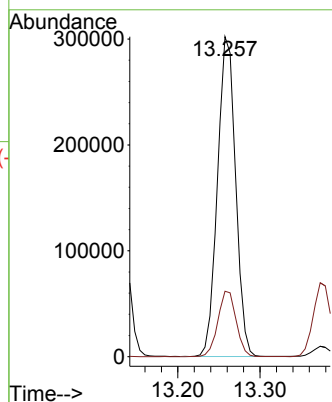
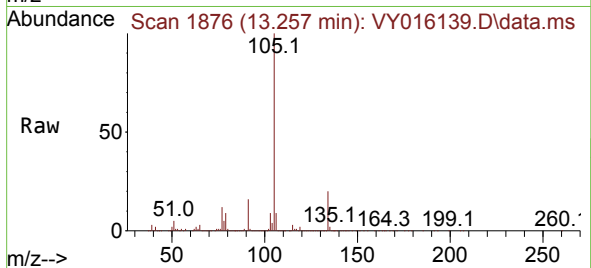
ClientSampleId :

Tgt Ion:105 Resp: 462395

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 47.130 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

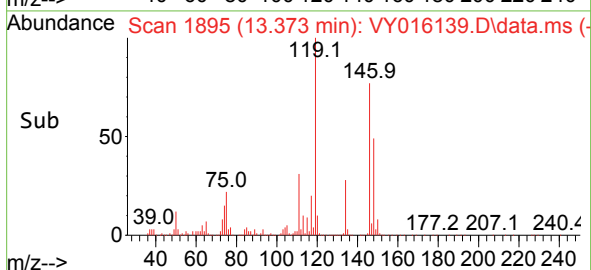
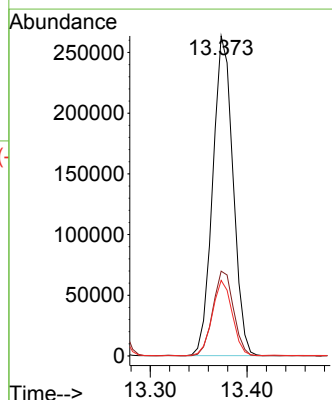
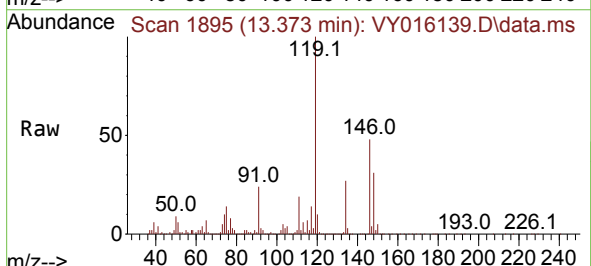
Tgt Ion:119 Resp: 383460

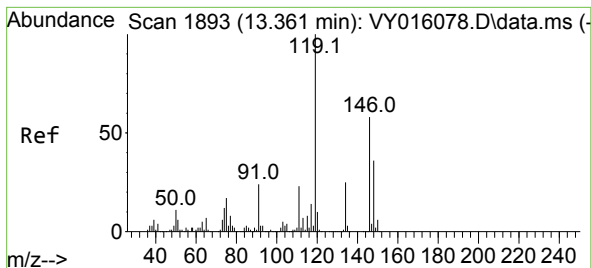
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 23.1 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 45.876 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.012 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

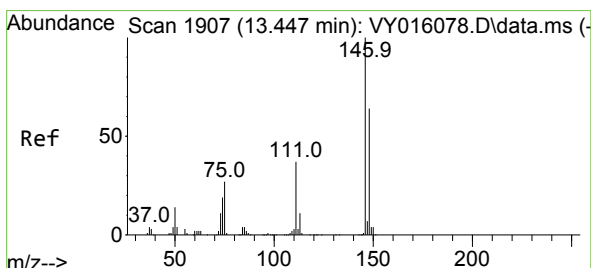
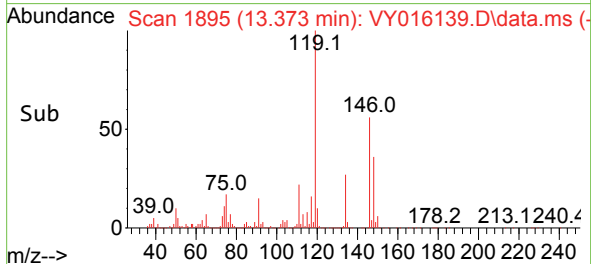
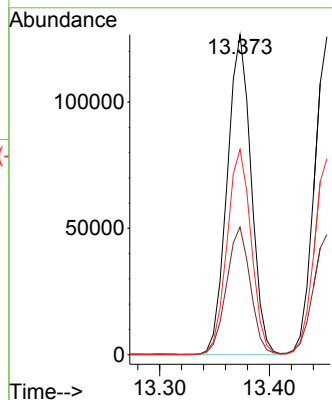
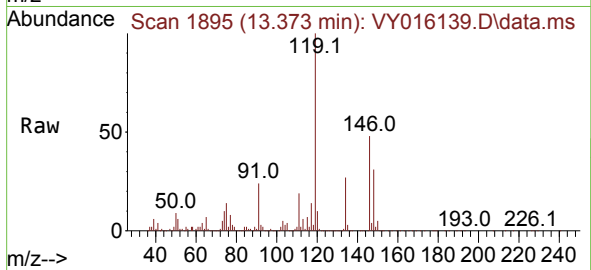
Tgt Ion:146 Resp: 191782

Ion Ratio Lower Upper

146 100

111 39.3 19.4 58.2

148 64.7 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 46.018 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

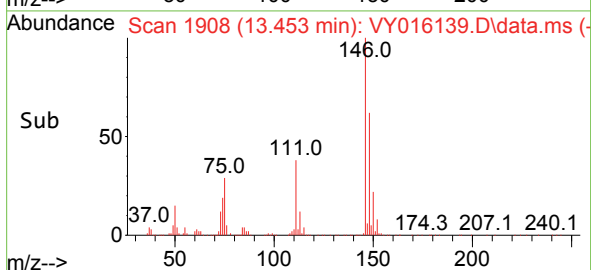
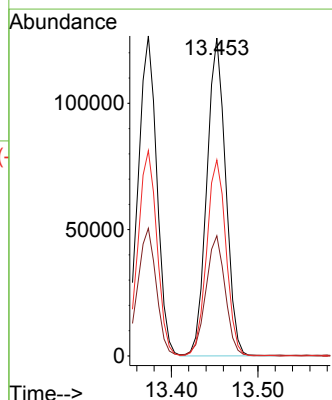
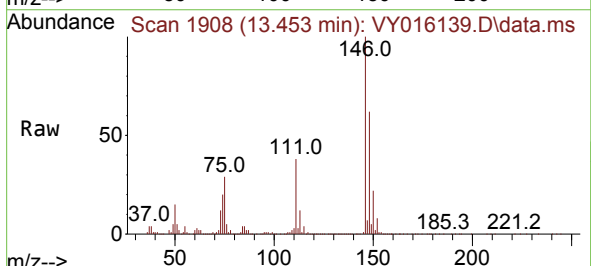
Tgt Ion:146 Resp: 190125

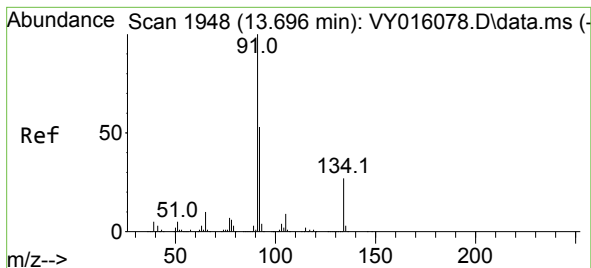
Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.7

148 63.0 32.1 96.5





#89

n-Butylbenzene

Concen: 46.608 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

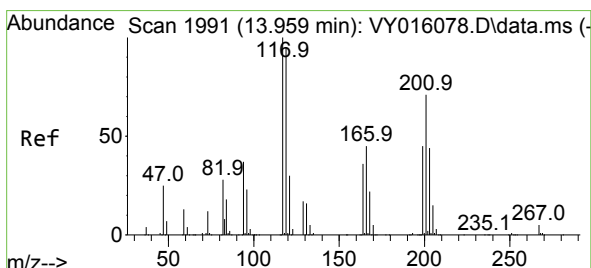
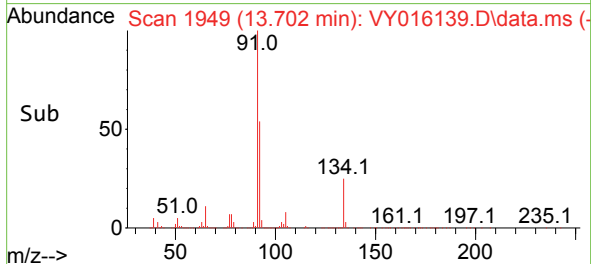
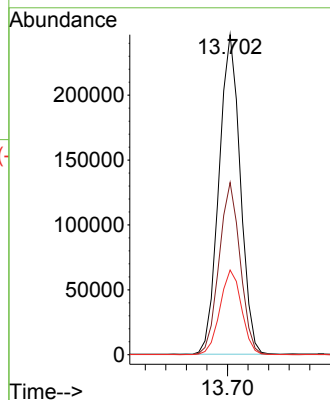
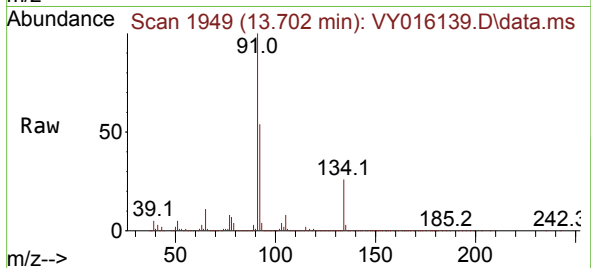
Tgt Ion: 91 Resp: 353740

Ion Ratio Lower Upper

91 100

92 53.2 25.4 76.0

134 26.9 12.6 37.6



#90

Hexachloroethane

Concen: 41.329 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY016139.D

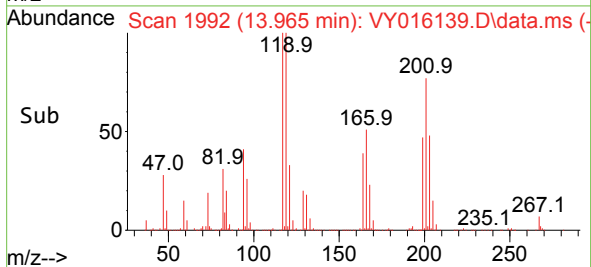
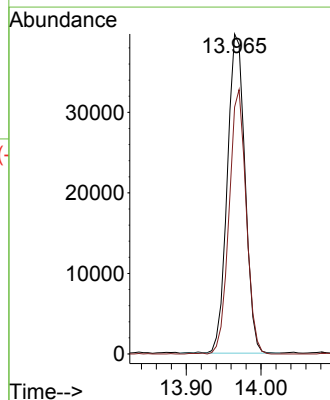
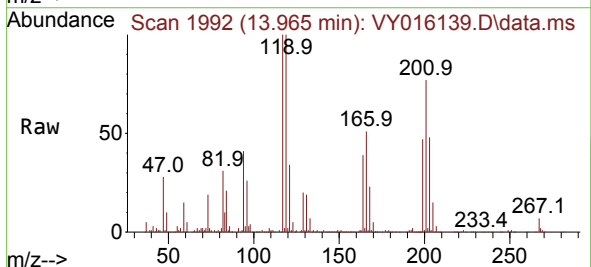
Acq: 30 Oct 2023 18:35

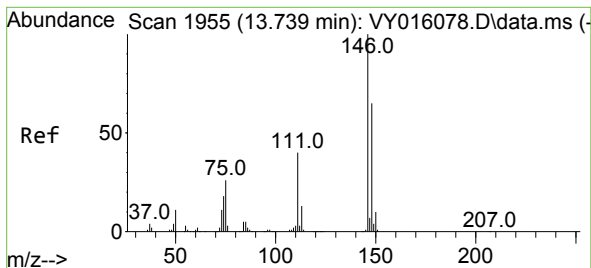
Tgt Ion: 117 Resp: 65466

Ion Ratio Lower Upper

117 100

201 79.5 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 45.050 ug/l

RT: 13.745 min Scan# 1955

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

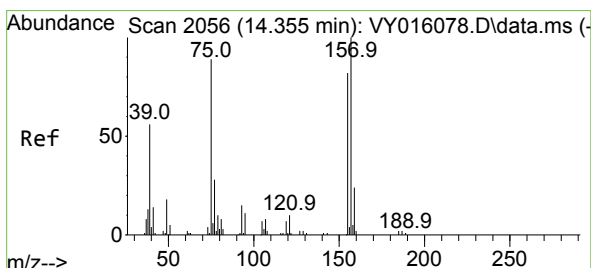
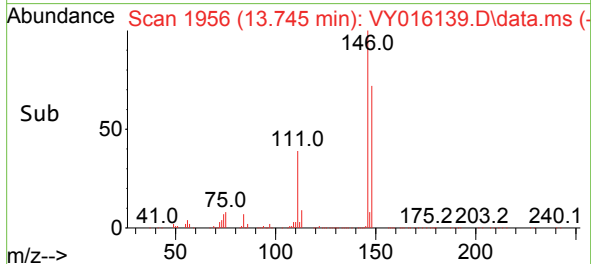
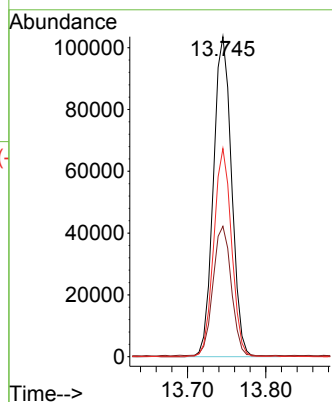
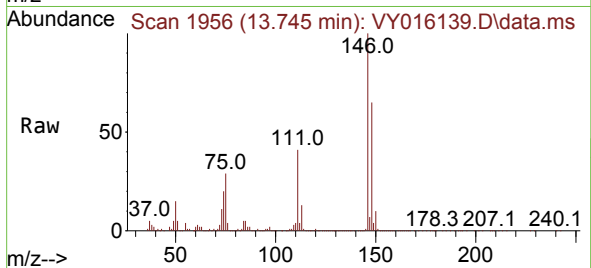
Tgt Ion:146 Resp: 166745

Ion Ratio Lower Upper

146 100

111 40.5 19.7 59.0

148 63.6 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 39.272 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

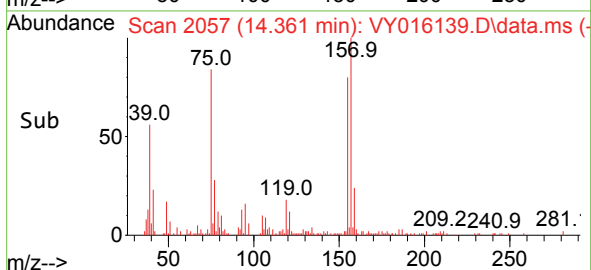
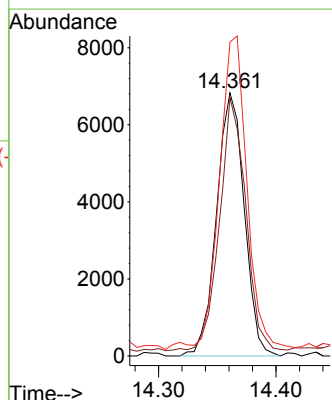
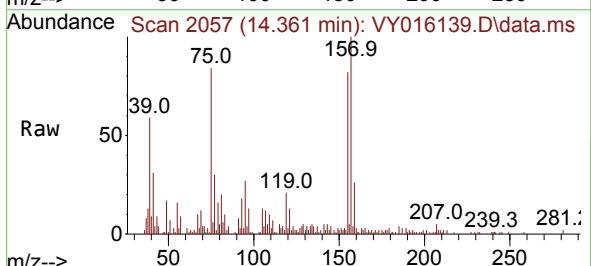
Tgt Ion: 75 Resp: 11180

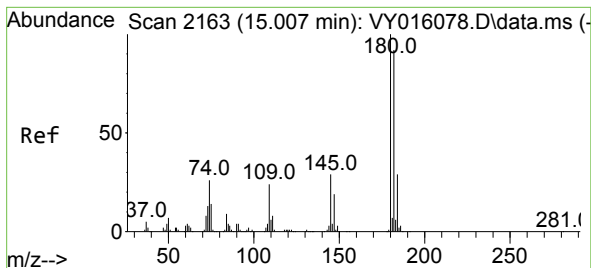
Ion Ratio Lower Upper

75 100

155 90.4 41.5 124.6

157 116.8 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 45.185 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

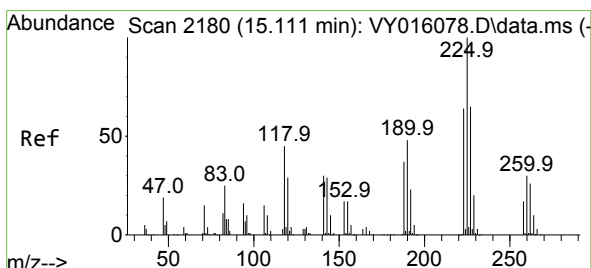
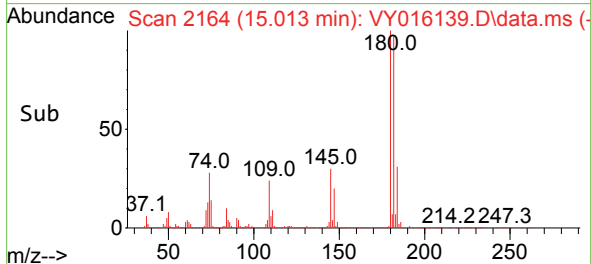
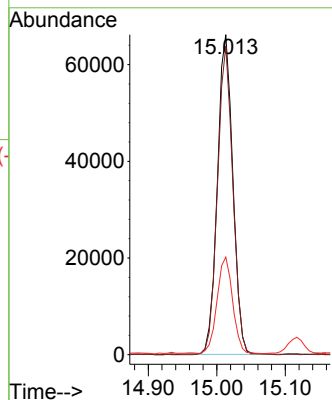
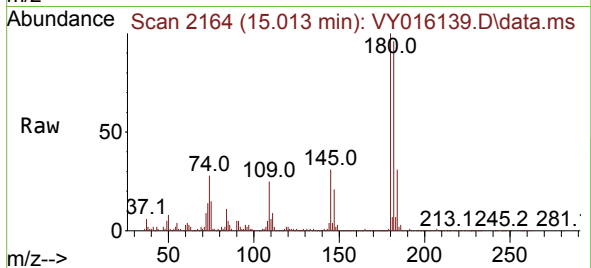
Tgt Ion:180 Resp: 103466

Ion Ratio Lower Upper

180 100

182 95.9 47.0 141.2

145 30.5 14.5 43.5



#94

Hexachlorobutadiene

Concen: 43.283 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

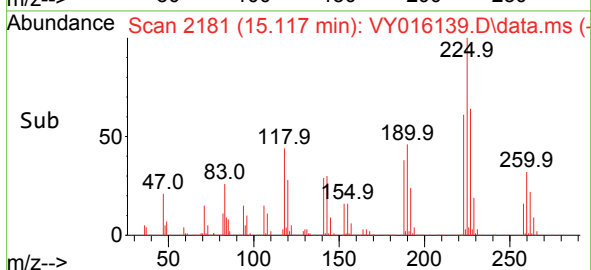
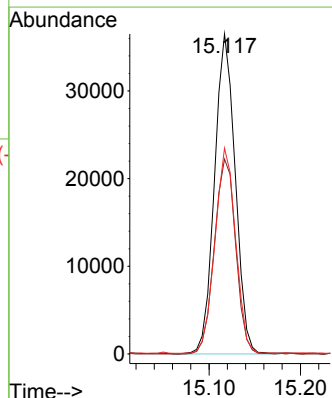
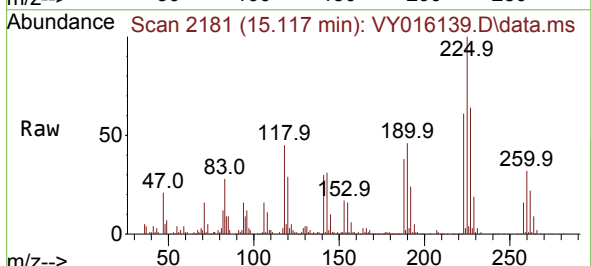
Tgt Ion:225 Resp: 57524

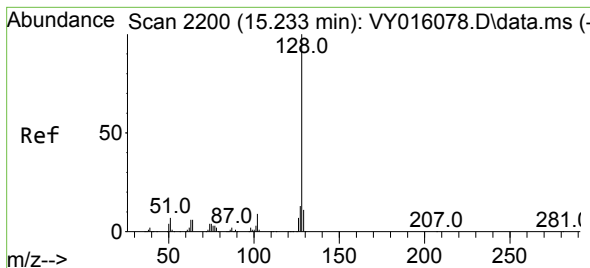
Ion Ratio Lower Upper

225 100

223 62.7 31.9 95.9

227 63.9 33.0 98.9





#95

Naphthalene

Concen: 43.542 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

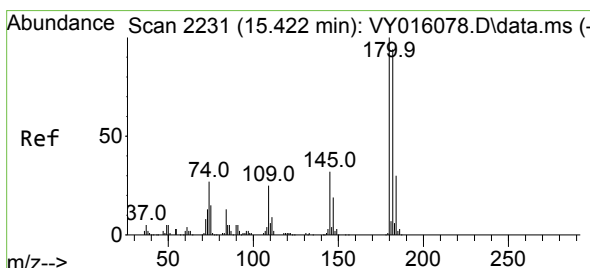
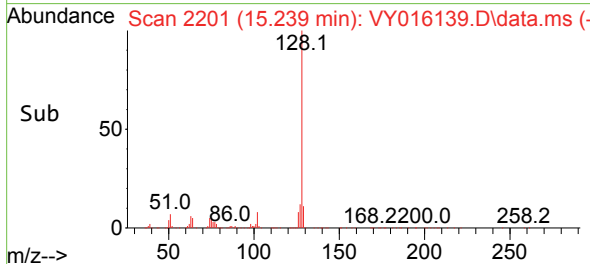
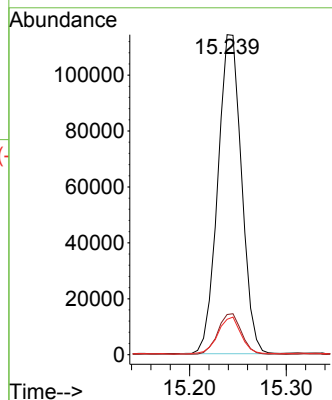
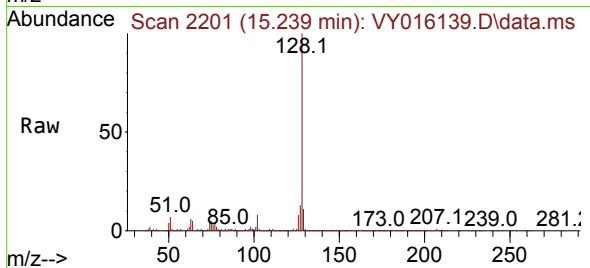
Tgt Ion:128 Resp: 194449

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

129 11.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 44.191 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY016139.D

Acq: 30 Oct 2023 18:35

Tgt Ion:180 Resp: 87265

Ion Ratio Lower Upper

180 100

182 94.9 47.3 141.8

145 32.5 15.4 46.2

