

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020323\  
 Data File : VY012488.D  
 Acq On : 03 Feb 2023 19:30  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 04 00:16:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.789  | 168   | 150377   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 229495   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 219321   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428 | 152   | 115668   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.143  | 65    | 62472    | 50.130   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 100.260% |          |
| 35) Dibromofluoromethane     | 7.722  | 113   | 59095    | 48.631   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 97.260%  |          |
| 50) Toluene-d8               | 10.179 | 98    | 200486   | 47.391   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 94.780%  |          |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 83236    | 48.590   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 97.180%  |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 49108    | 37.369   | ug/l       | 100      |
| 3) Chloromethane             | 2.113  | 50    | 50534    | 41.655   | ug/l       | 99       |
| 4) Vinyl Chloride            | 2.253  | 62    | 63059    | 44.532   | ug/l       | 98       |
| 5) Bromomethane              | 2.650  | 94    | 52436    | 47.896   | ug/l       | 100      |
| 6) Chloroethane              | 2.796  | 64    | 46477    | 50.327   | ug/l       | 95       |
| 7) Trichlorofluoromethane    | 3.125  | 101   | 135875   | 49.165   | ug/l       | 98       |
| 8) Diethyl Ether             | 3.534  | 74    | 43285    | 52.635   | ug/l       | 81       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899  | 101   | 70168    | 52.167   | ug/l       | 94       |
| 10) Methyl Iodide            | 4.094  | 142   | 95304    | 46.624   | ug/l       | 96       |
| 11) Tert butyl alcohol       | 4.954  | 59    | 43714    | 297.888  | ug/l       | 99       |
| 12) 1,1-Dichloroethene       | 3.875  | 96    | 69179    | 50.089   | ug/l       | 94       |
| 13) Acrolein                 | 3.729  | 56    | 12595    | 224.549  | ug/l       | 100      |
| 14) Allyl chloride           | 4.485  | 41    | 87679    | 51.343   | ug/l #     | 86       |
| 15) Acrylonitrile            | 5.167  | 53    | 108695   | 302.597  | ug/l       | 99       |
| 16) Acetone                  | 3.948  | 43    | 96533    | 230.536  | ug/l       | 98       |
| 17) Carbon Disulfide         | 4.198  | 76    | 180629   | 42.282   | ug/l       | 99       |
| 18) Methyl Acetate           | 4.479  | 43    | 55040    | 58.742   | ug/l       | 90       |
| 19) Methyl tert-butyl Ether  | 5.222  | 73    | 216164   | 56.146   | ug/l       | 94       |
| 20) Methylene Chloride       | 4.722  | 84    | 88882    | 50.818   | ug/l       | 88       |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 79206    | 51.392   | ug/l       | 92       |
| 22) Diisopropyl ether        | 6.119  | 45    | 195575   | 57.445   | ug/l #     | 89       |
| 23) Vinyl Acetate            | 6.058  | 43    | 607532   | 286.371  | ug/l #     | 93       |
| 24) 1,1-Dichloroethane       | 6.021  | 63    | 130651   | 55.327   | ug/l       | 96       |
| 25) 2-Butanone               | 6.984  | 43    | 127159   | 275.072  | ug/l       | 91       |
| 26) 2,2-Dichloropropane      | 6.984  | 77    | 132787   | 51.799   | ug/l       | 99       |
| 27) cis-1,2-Dichloroethene   | 6.990  | 96    | 93484    | 55.221   | ug/l       | 93       |
| 28) Bromochloromethane       | 7.338  | 49    | 25161    | 48.787   | ug/l #     | 73       |
| 29) Tetrahydrofuran          | 7.344  | 42    | 77992    | 307.148  | ug/l #     | 84       |
| 30) Chloroform               | 7.509  | 83    | 157991   | 56.677   | ug/l       | 100      |
| 31) Cyclohexane              | 7.789  | 56    | 104195   | 47.523   | ug/l       | 89       |
| 32) 1,1,1-Trichloroethane    | 7.704  | 97    | 148392   | 53.771   | ug/l       | 98       |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 106047   | 51.349   | ug/l       | 97       |
| 37) Ethyl Acetate            | 7.076  | 43    | 52403    | 57.558   | ug/l #     | 95       |
| 38) Carbon Tetrachloride     | 7.899  | 117   | 139313   | 52.231   | ug/l       | 98       |
| 39) Methylcyclohexane        | 9.185  | 83    | 130057   | 51.532   | ug/l       | 93       |
| 40) Benzene                  | 8.161  | 78    | 319257   | 53.560   | ug/l       | 97       |

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 ALS Vial : 23 Sample Multiplier: 1

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 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 04 00:16:03 2023  
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 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 76304    | 142.585  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 106115   | 55.919   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 100059   | 59.072   | ug/l # | 95       |
| 44) Trichloroethene           | 8.941  | 130  | 96336    | 54.072   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 70975    | 57.064   | ug/l   | 98       |
| 46) Dibromomethane            | 9.307  | 93   | 48137    | 57.812   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 120661   | 57.568   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.289  | 41   | 45367    | 58.129   | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 13527    | 1192.235 | ug/l   | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 280077   | 310.092  | ug/l   | 96       |
| 52) Toluene                   | 10.246 | 92   | 218665   | 55.096   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 122921   | 56.067   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 133093   | 56.369   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 71846    | 60.731   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 93189    | 60.044   | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 115023   | 59.535   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 133605   | 260.163  | ug/l   | 90       |
| 59) 2-Hexanone                | 10.831 | 43   | 201630   | 293.213  | ug/l   | 94       |
| 60) Dibromochloromethane      | 10.983 | 129  | 94472    | 60.209   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 67830    | 59.420   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 112018   | 55.973   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.520 | 112  | 244212   | 54.421   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 95999    | 56.677   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 432595   | 53.940   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 342819   | 108.113  | ug/l   | 98       |
| 69) o-Xylene                  | 12.032 | 106  | 164869   | 54.435   | ug/l   | 97       |
| 70) Styrene                   | 12.044 | 104  | 282462   | 55.817   | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 63596    | 58.768   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 444318   | 53.271   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 86775    | 53.073   | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 74626    | 56.804   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 110535   | 103.924  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 107701   | 53.662   | ug/l   | 91       |
| 78) n-propylbenzene           | 12.672 | 91   | 510893   | 52.345   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 290100   | 52.570   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 385230   | 53.130   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 28213    | 54.655   | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 300949   | 51.918   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 334127   | 52.873   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 383538   | 53.638   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 479925   | 53.340   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 418309   | 53.213   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 212030   | 53.118   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 210264   | 52.819   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 359536   | 52.776   | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 76324    | 53.782   | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 194030   | 54.476   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 15092    | 55.587   | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 121777   | 53.360   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 73471    | 53.470   | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 255832   | 56.795   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 108486   | 55.241   | ug/l   | 99       |

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Sample : VSTDCCC050  
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ALS Vial : 23 Sample Multiplier: 1

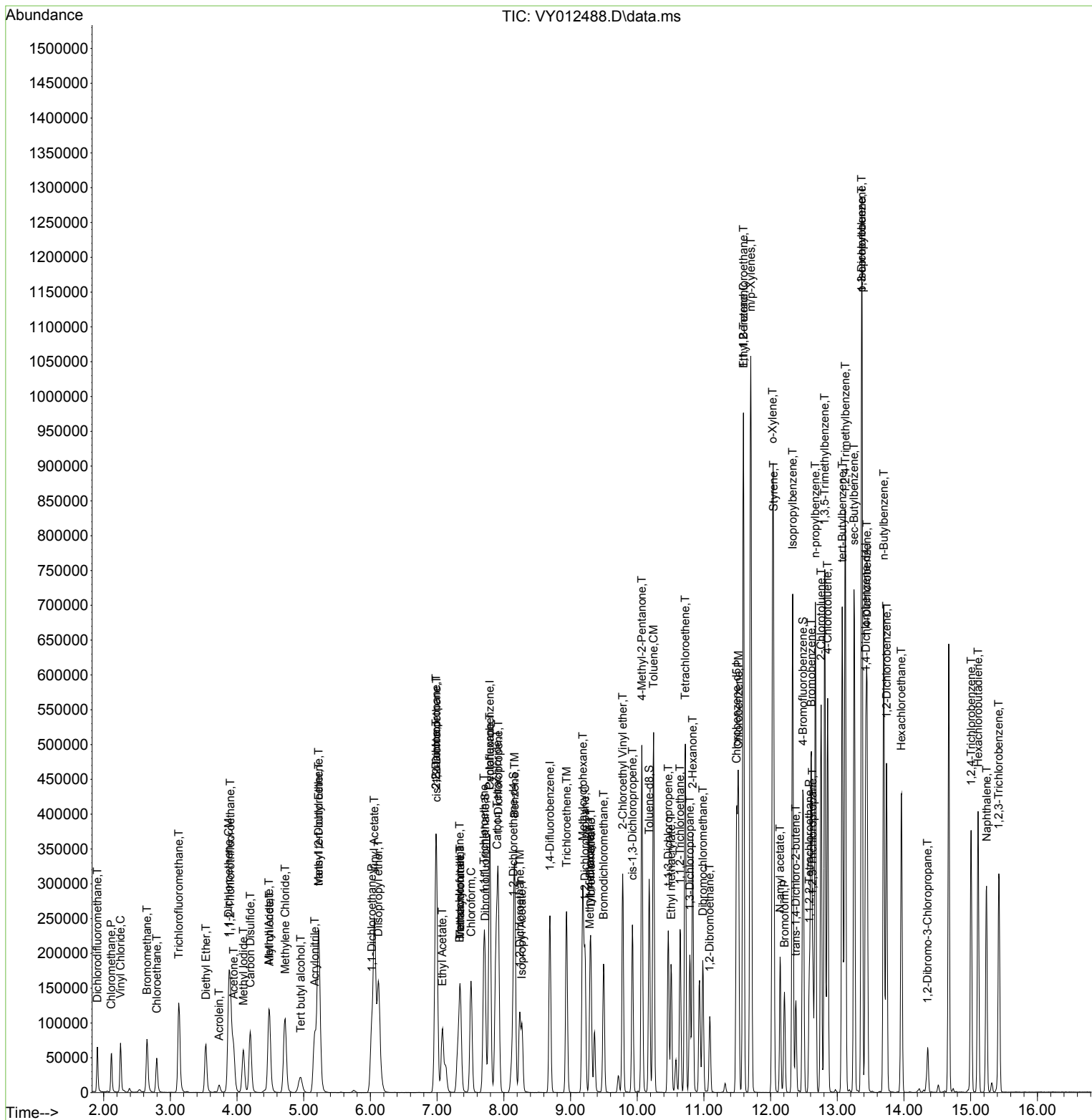
Instrument :  
MSVOA\_Y  
ClientSampleId :

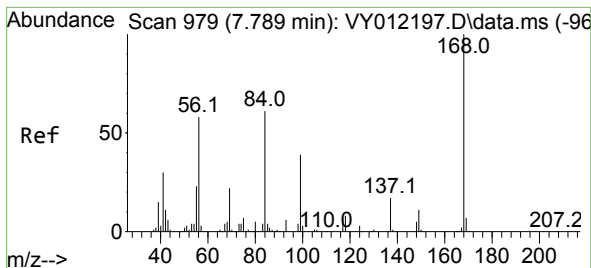
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Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration

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

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

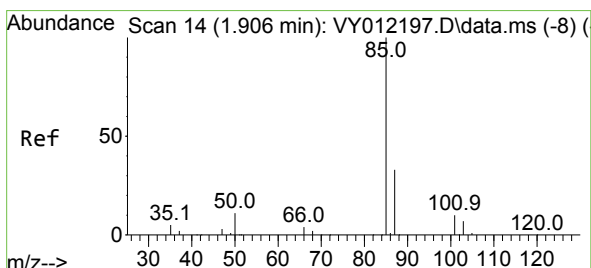
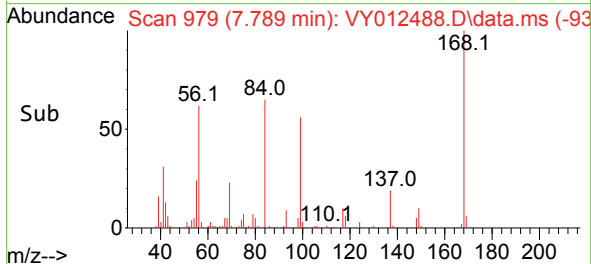
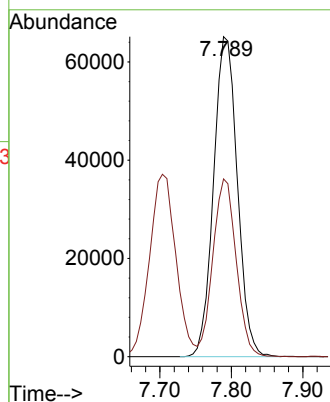
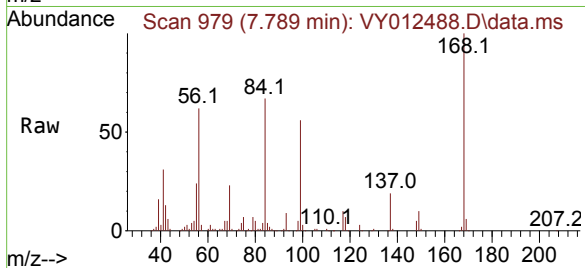
ClientSampleId :

Tgt Ion:168 Resp: 150377

Ion Ratio Lower Upper

168 100

99 55.4 44.0 66.0



#2

Dichlorodifluoromethane

Concen: 37.369 ug/l

RT: 1.906 min Scan# 14

Delta R.T. -0.000 min

Lab File: VY012488.D

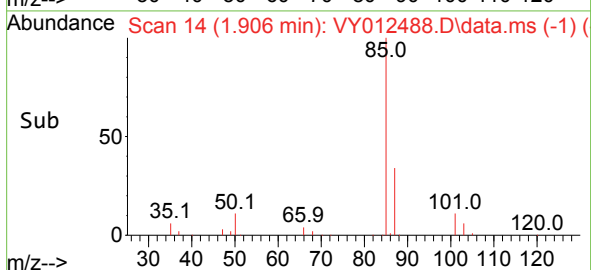
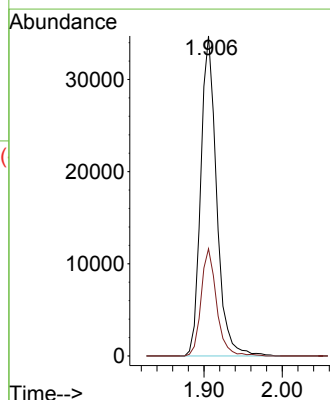
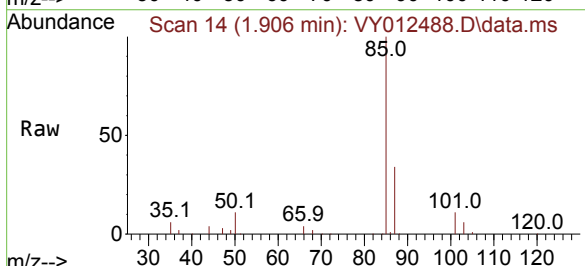
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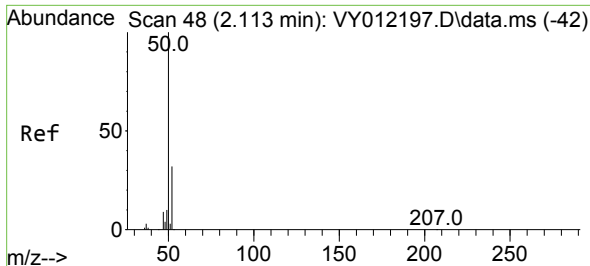
Tgt Ion: 85 Resp: 49108

Ion Ratio Lower Upper

85 100

87 33.5 16.8 50.4

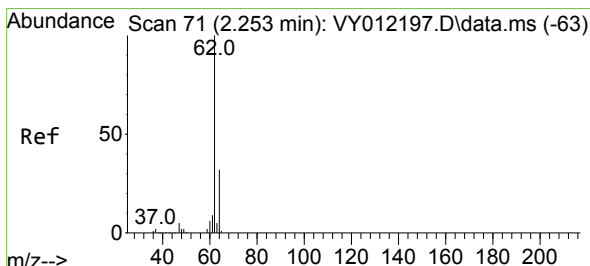
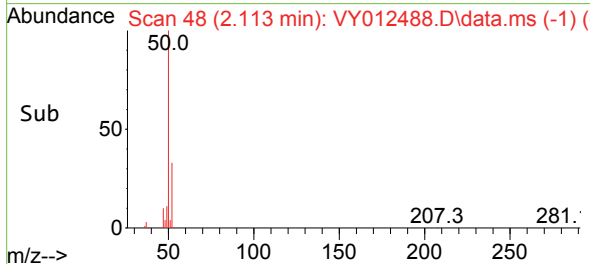
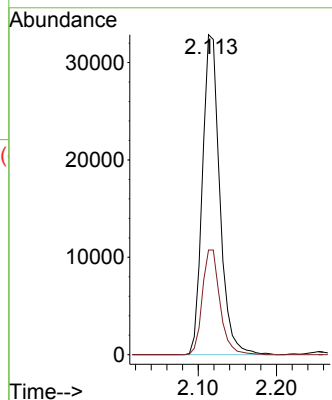
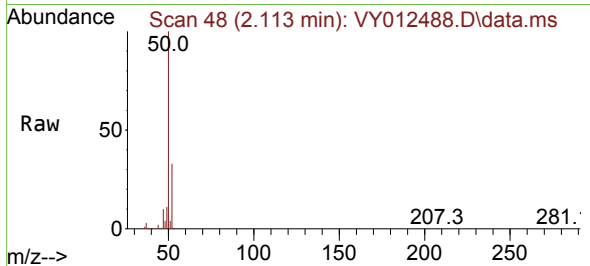




#3  
Chloromethane  
Concen: 41.655 ug/l  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

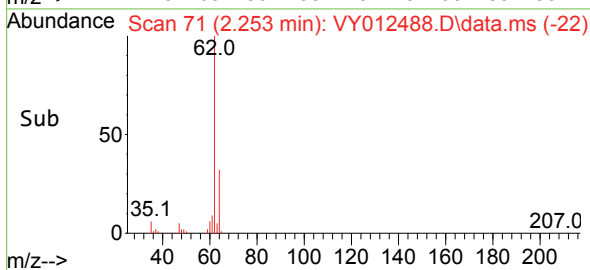
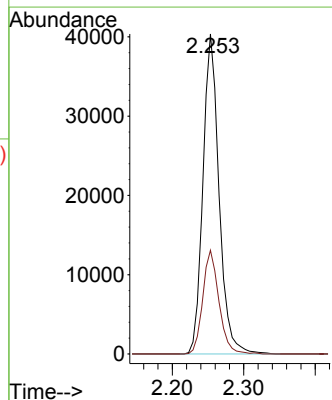
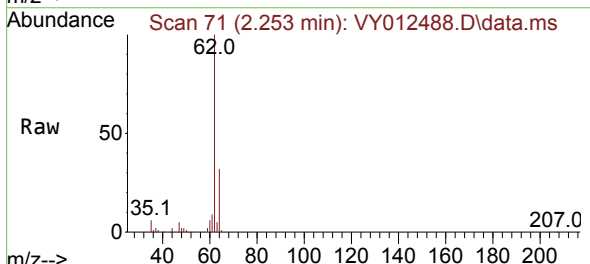
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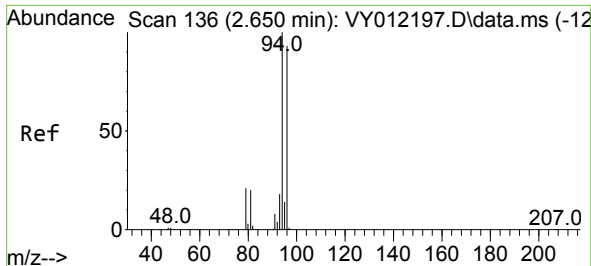
Tgt Ion: 50 Resp: 50534  
Ion Ratio Lower Upper  
50 100  
52 32.7 26.8 40.2



#4  
Vinyl Chloride  
Concen: 44.532 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 62 Resp: 63059  
Ion Ratio Lower Upper  
62 100  
64 32.4 25.0 37.6

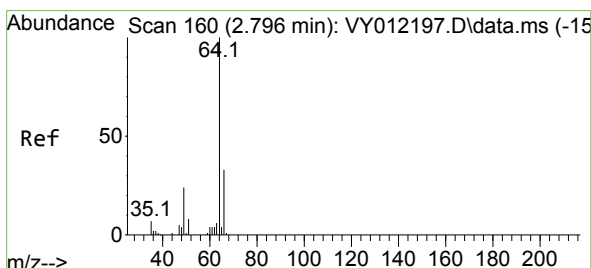
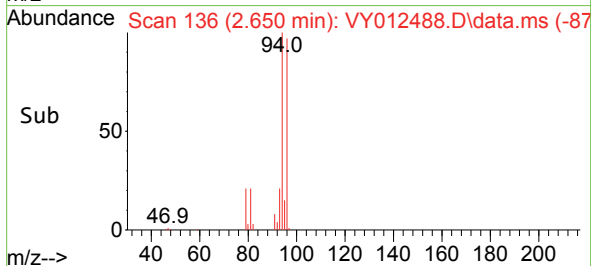
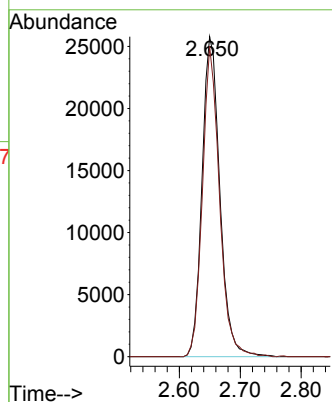
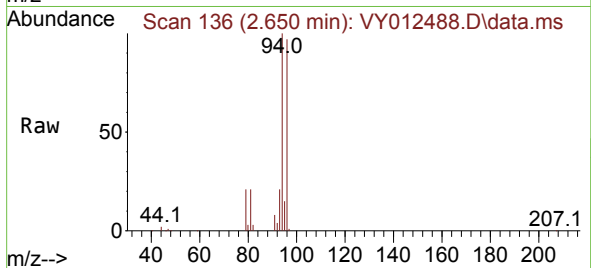




#5  
Bromomethane  
Concen: 47.896 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012488.D  
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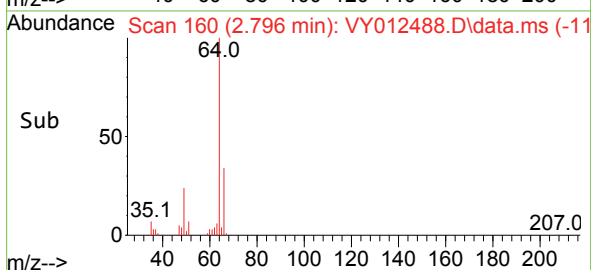
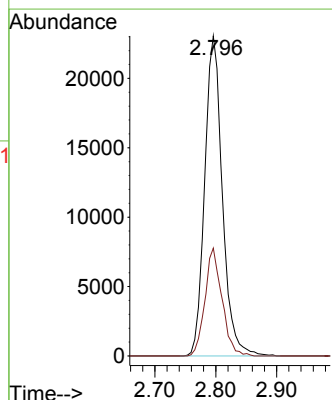
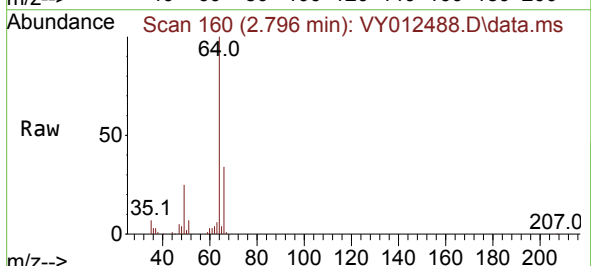
Instrument :  
MSVOA\_Y  
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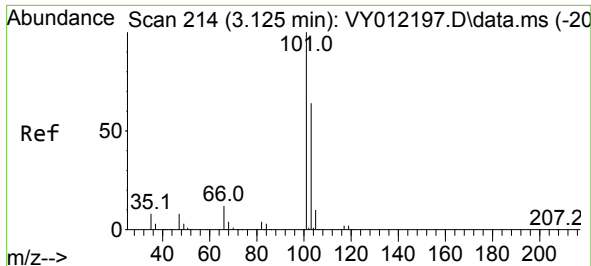
Tgt Ion: 94 Resp: 52436  
Ion Ratio Lower Upper  
94 100  
96 97.0 77.4 116.2



#6  
Chloroethane  
Concen: 50.327 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. -0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 64 Resp: 46477  
Ion Ratio Lower Upper  
64 100  
66 33.7 25.0 37.4

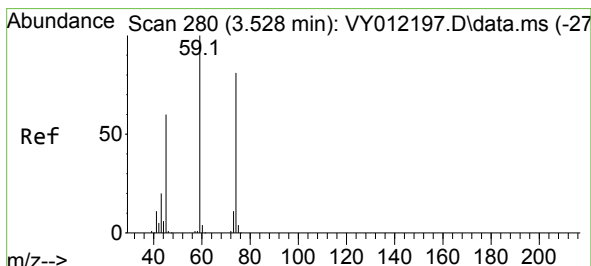
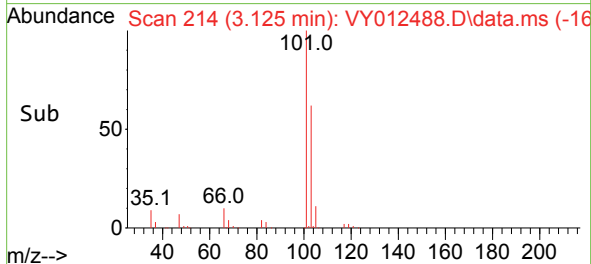
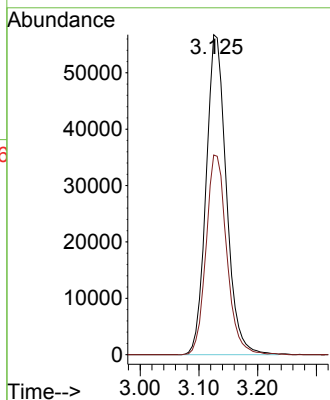
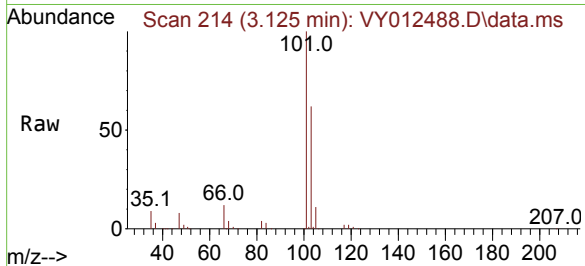




#7  
Trichlorofluoromethane  
Concen: 49.165 ug/l  
RT: 3.125 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

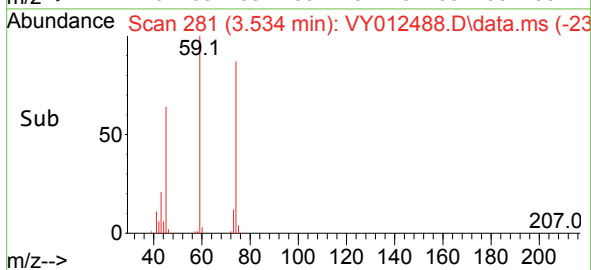
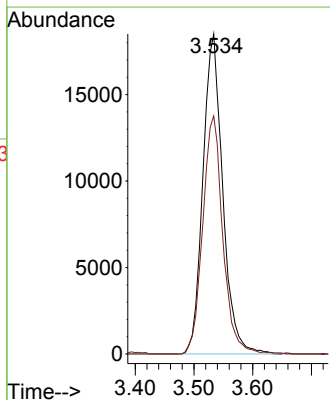
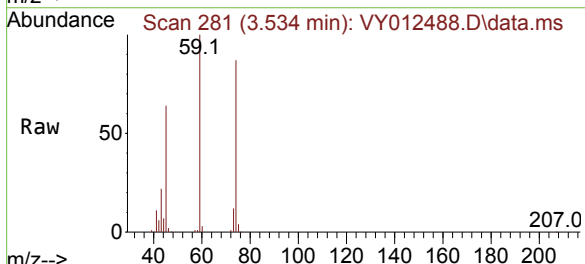
Instrument :  
MSVOA\_Y  
ClientSampleId :

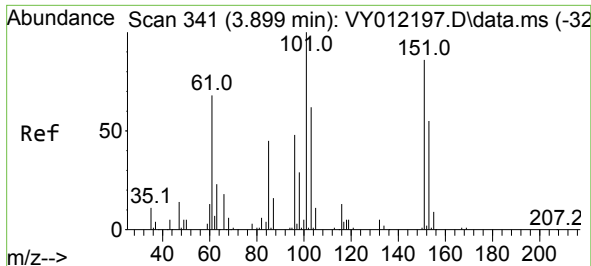
Tgt Ion:101 Resp: 135875  
Ion Ratio Lower Upper  
101 100  
103 62.4 51.0 76.6



#8  
Diethyl Ether  
Concen: 52.635 ug/l  
RT: 3.534 min Scan# 281  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 74 Resp: 43285  
Ion Ratio Lower Upper  
74 100  
45 75.5 46.8 140.3

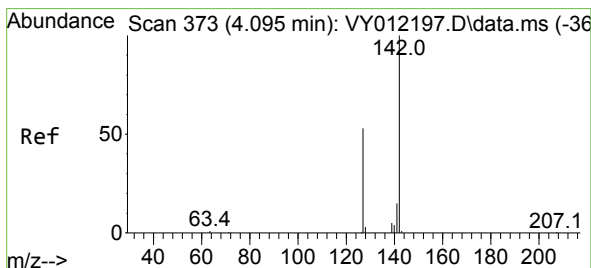
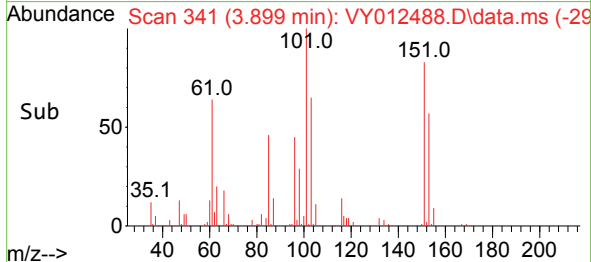
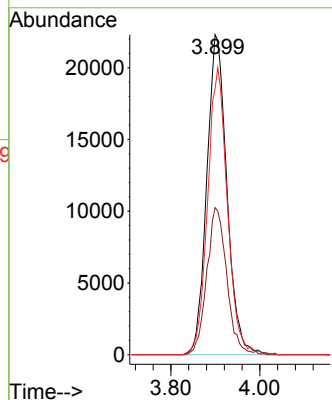
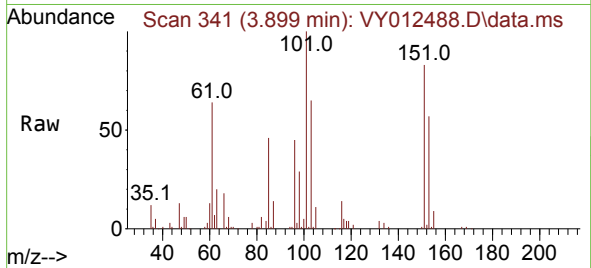




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 52.167 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. -0.001 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

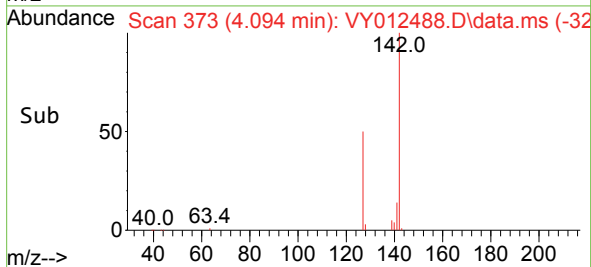
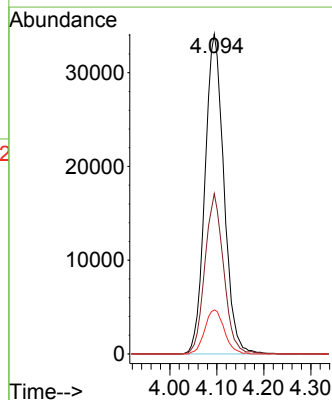
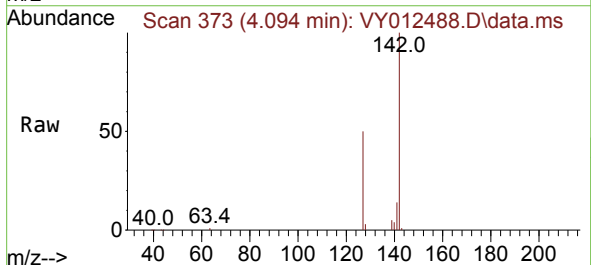
Instrument :  
MSVOA\_Y  
ClientSampleId :

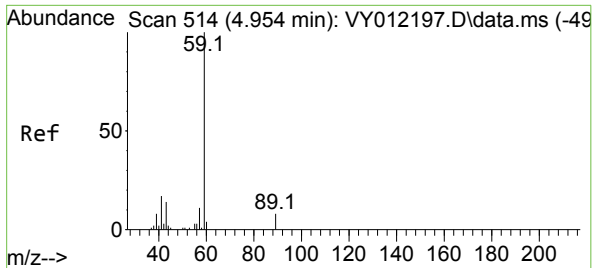
Tgt Ion:101 Resp: 70168  
Ion Ratio Lower Upper  
101 100  
85 45.8 36.2 54.2  
151 88.4 64.2 96.2



#10  
Methyl Iodide  
Concen: 46.624 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. -0.001 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion:142 Resp: 95304  
Ion Ratio Lower Upper  
142 100  
127 49.7 37.0 55.4  
141 14.3 11.4 17.0

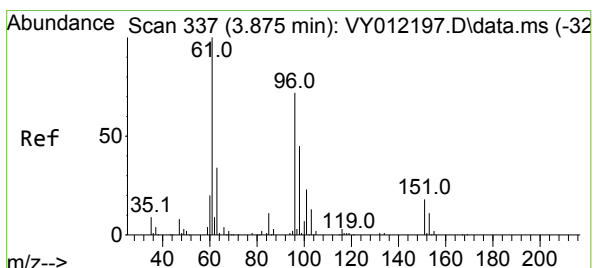
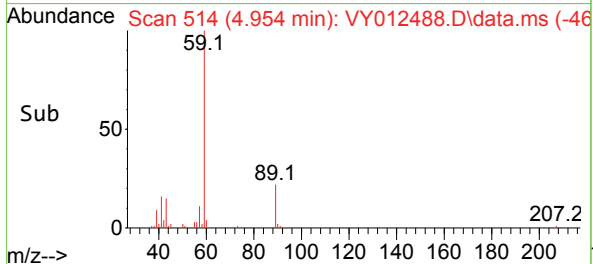
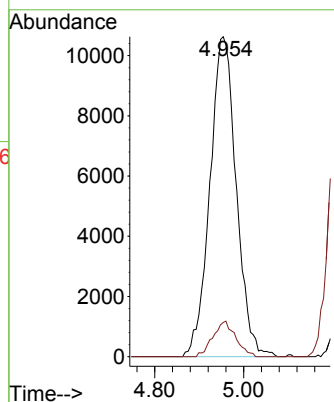
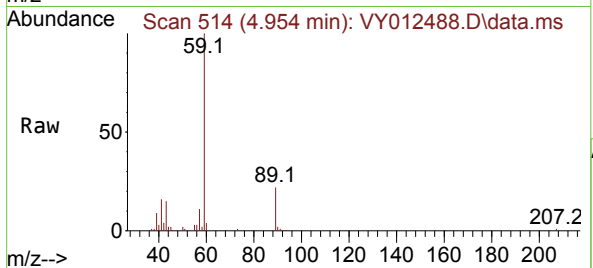




#11  
Tert butyl alcohol  
Concen: 297.888 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

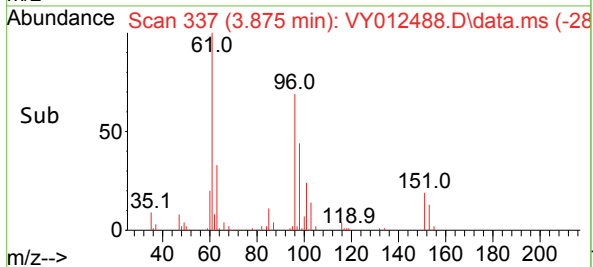
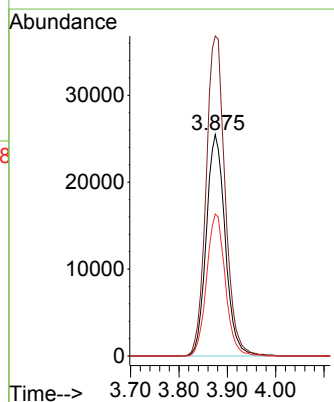
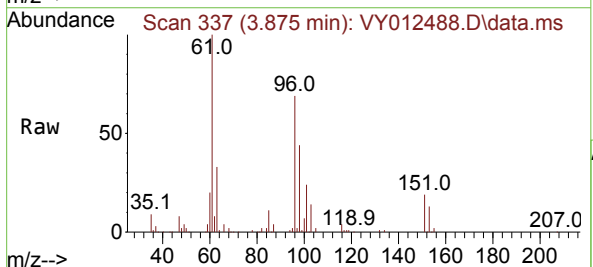
Instrument :  
MSVOA\_Y  
ClientSampleId :

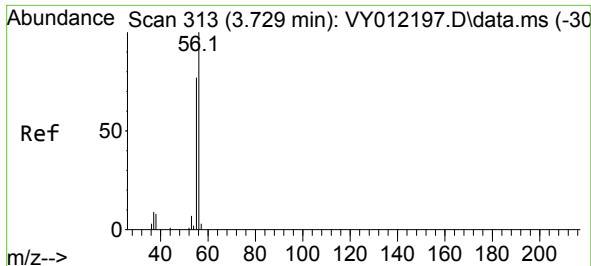
Tgt Ion: 59 Resp: 43714  
Ion Ratio Lower Upper  
59 100  
57 9.6 7.4 11.2



#12  
1,1-Dichloroethene  
Concen: 50.089 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 96 Resp: 69179  
Ion Ratio Lower Upper  
96 100  
61 144.5 122.0 183.0  
98 64.1 48.6 73.0





#13

Acrolein

Concen: 224.549 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

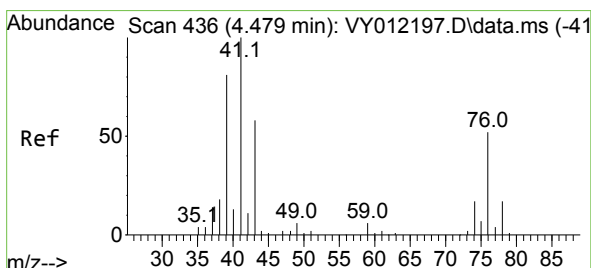
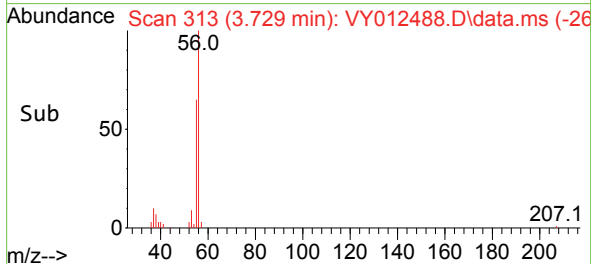
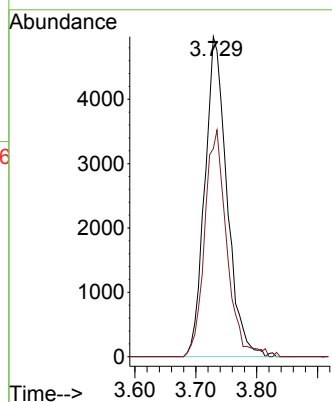
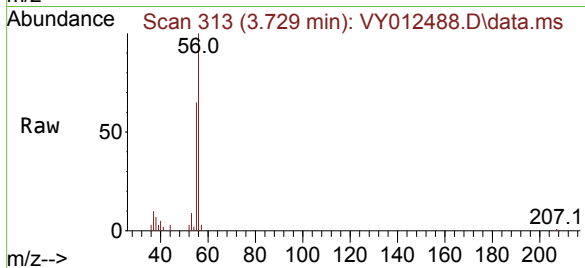
ClientSampleId :

Tgt Ion: 56 Resp: 12595

Ion Ratio Lower Upper

56 100

55 70.4 56.6 85.0



#14

Allyl chloride

Concen: 51.343 ug/l

RT: 4.485 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

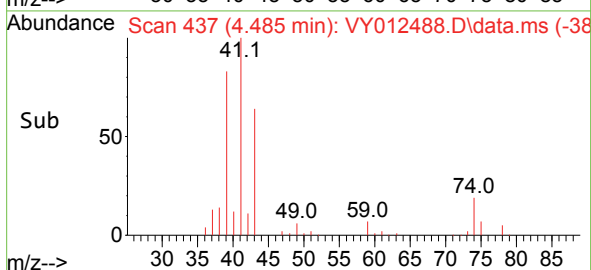
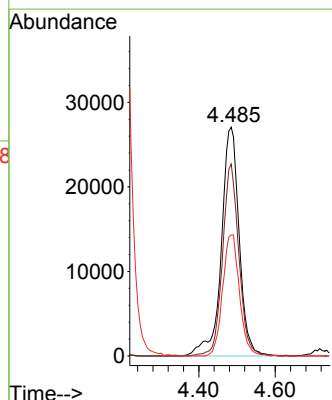
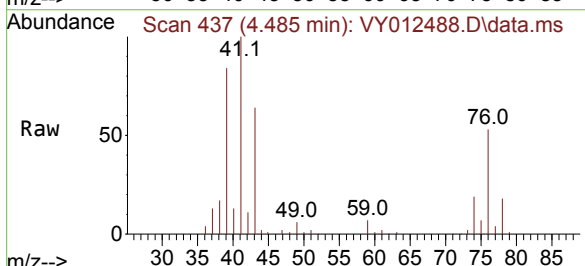
Tgt Ion: 41 Resp: 87679

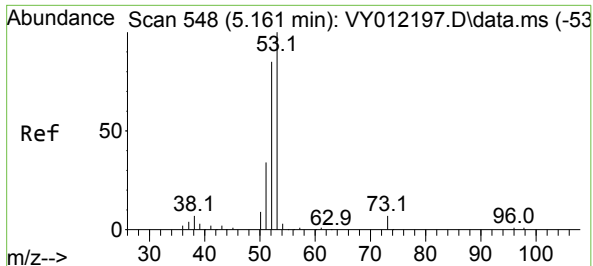
Ion Ratio Lower Upper

41 100

39 76.8 53.5 80.3

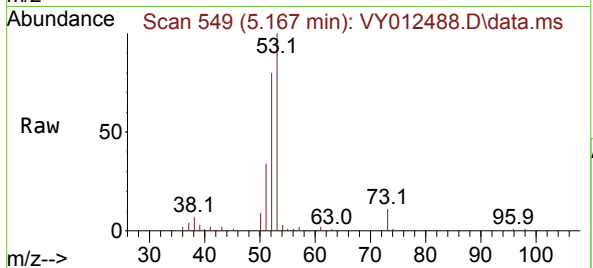
76 49.9 31.1 46.7#



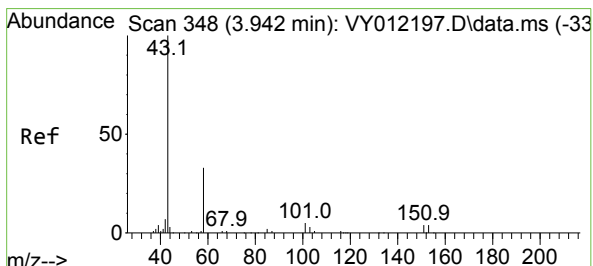
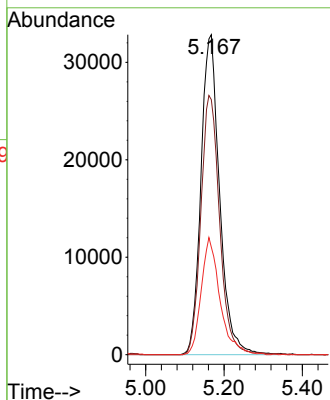
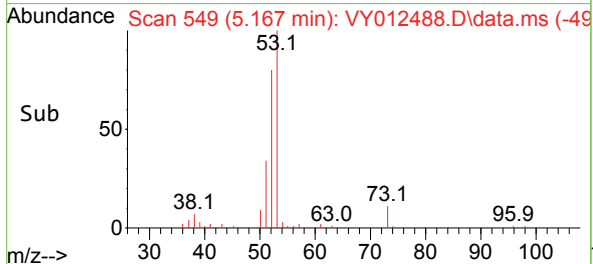


#15  
Acrylonitrile  
Concen: 302.597 ug/l  
RT: 5.167 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Instrument :  
MSVOA\_Y  
ClientSampleId :

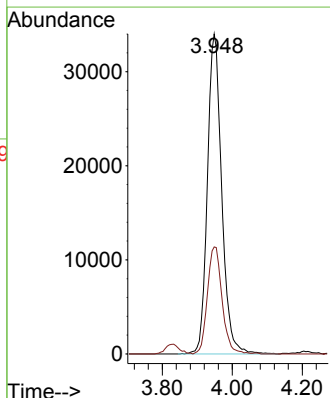
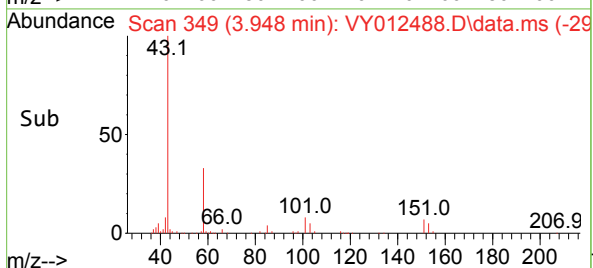
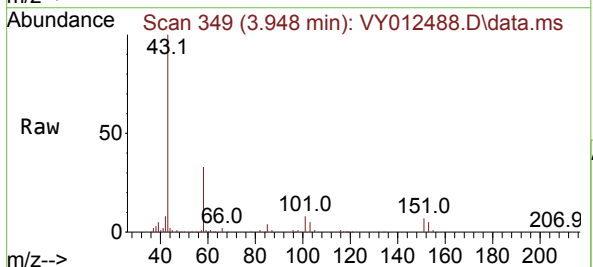


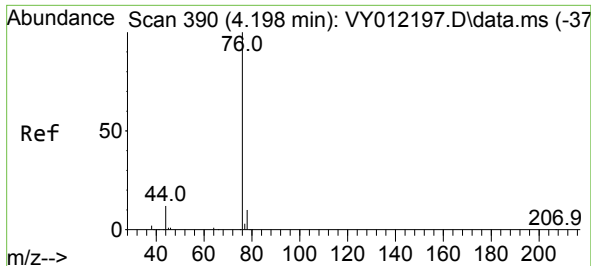
Tgt Ion: 53 Resp: 108695  
Ion Ratio Lower Upper  
53 100  
52 80.9 65.1 97.7  
51 36.7 28.7 43.1



#16  
Acetone  
Concen: 230.536 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 43 Resp: 96533  
Ion Ratio Lower Upper  
43 100  
58 33.5 27.9 41.9

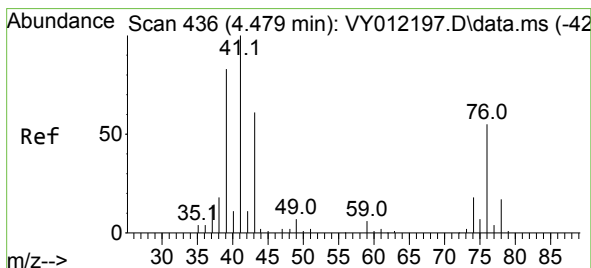
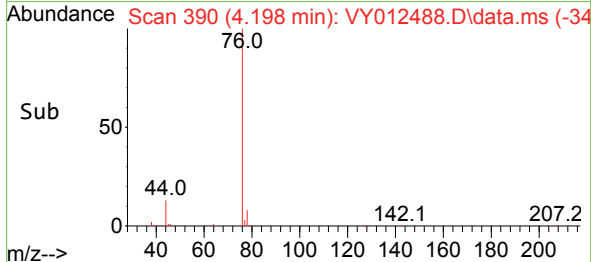
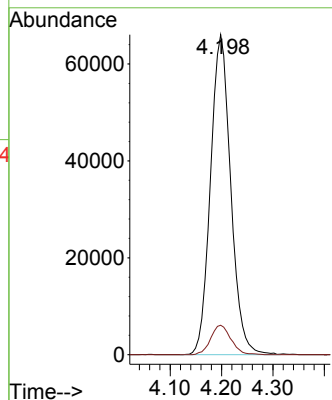
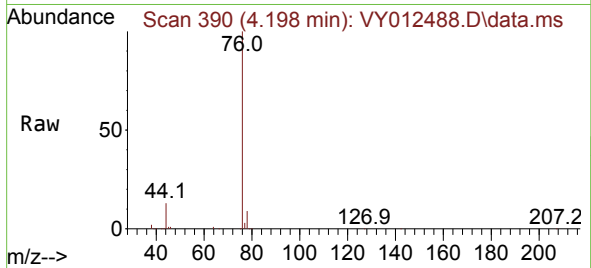




#17  
Carbon Disulfide  
Concen: 42.282 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

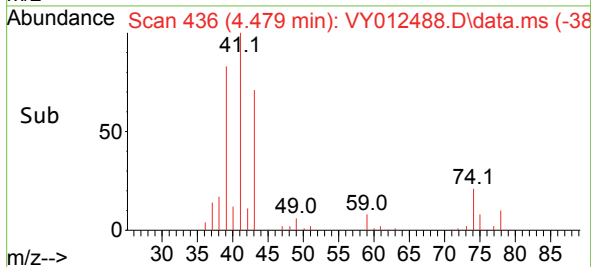
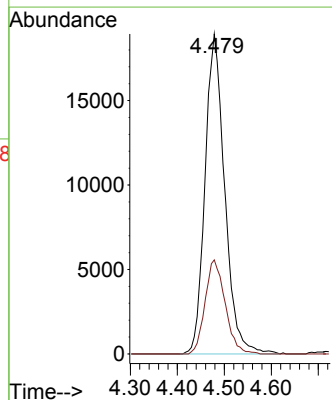
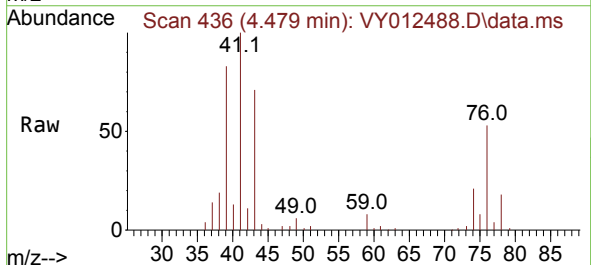
Instrument :  
MSVOA\_Y  
ClientSampleId :

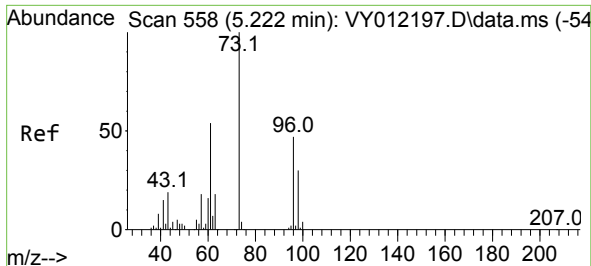
Tgt Ion: 76 Resp: 180629  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8



#18  
Methyl Acetate  
Concen: 58.742 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 43 Resp: 55040  
Ion Ratio Lower Upper  
43 100  
74 30.0 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 56.146 ug/l

RT: 5.222 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

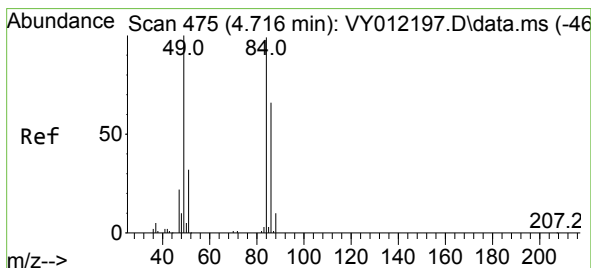
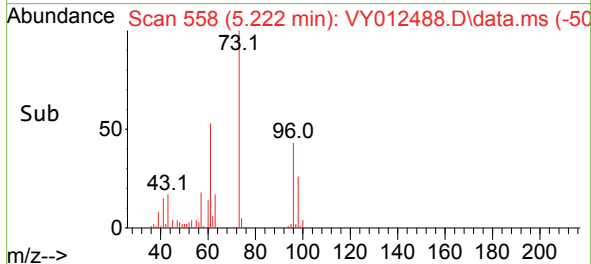
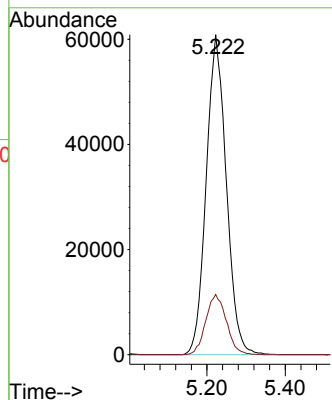
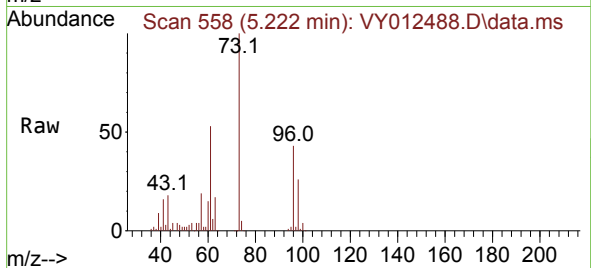
ClientSampleId :

Tgt Ion: 73 Resp: 216164

Ion Ratio Lower Upper

73 100

57 18.8 17.4 26.0



#20

Methylene Chloride

Concen: 50.818 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Tgt Ion: 84 Resp: 88882

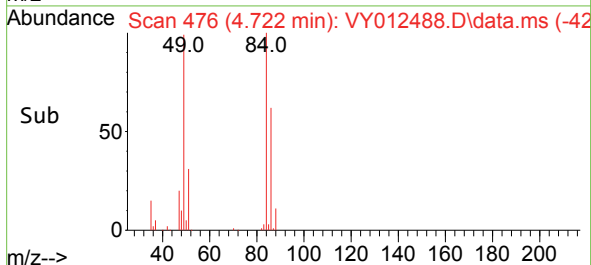
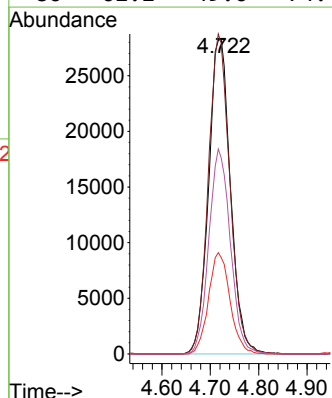
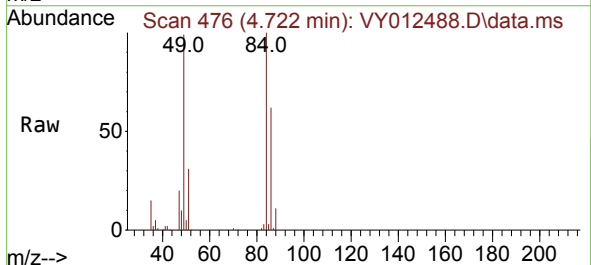
Ion Ratio Lower Upper

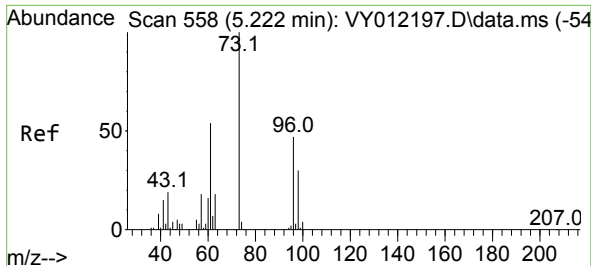
84 100

49 98.6 95.4 143.2

51 30.6 29.9 44.9

86 62.2 49.6 74.4

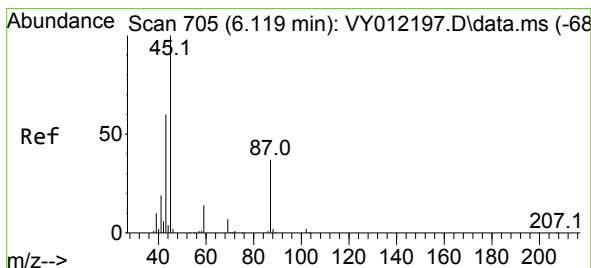
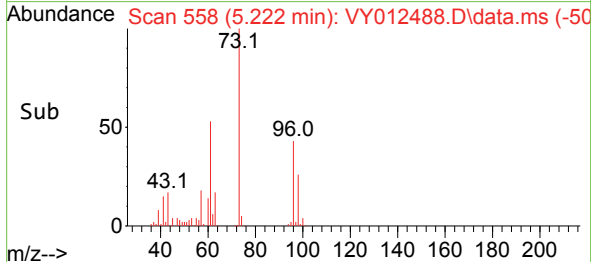
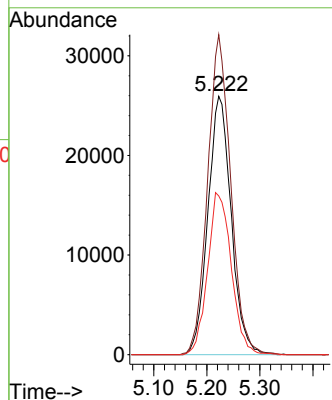
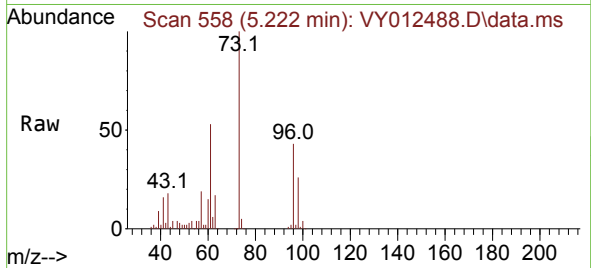




#21  
trans-1,2-Dichloroethene  
Concen: 51.392 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

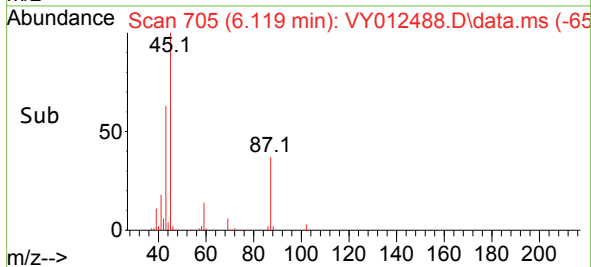
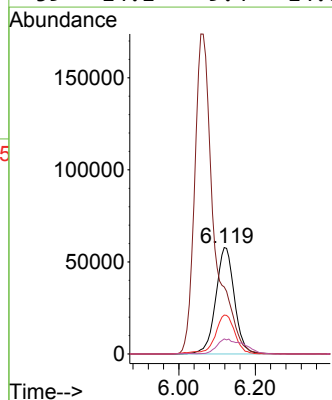
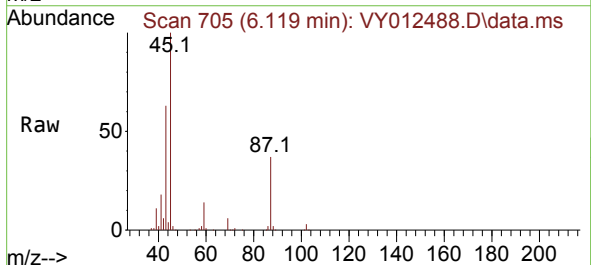
Instrument :  
MSVOA\_Y  
ClientSampleId :

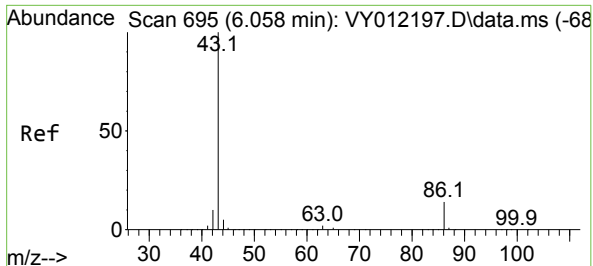
Tgt Ion: 96 Resp: 79206  
Ion Ratio Lower Upper  
96 100  
61 123.8 108.0 162.0  
98 61.4 51.6 77.4



#22  
Diisopropyl ether  
Concen: 57.445 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 45 Resp: 195575  
Ion Ratio Lower Upper  
45 100  
43 62.8 45.0 67.4  
87 36.6 22.6 33.8#  
59 14.1 9.4 14.0#





#23

Vinyl Acetate

Concen: 286.371 ug/l

RT: 6.058 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

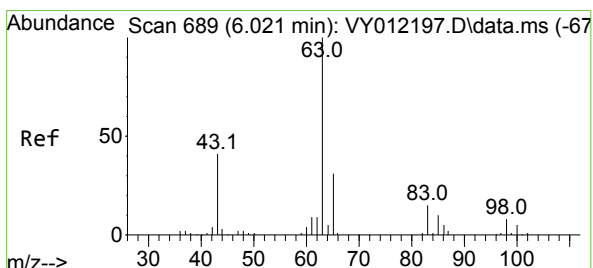
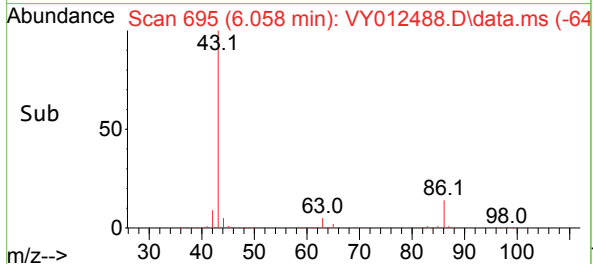
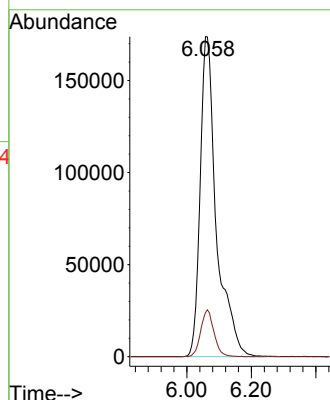
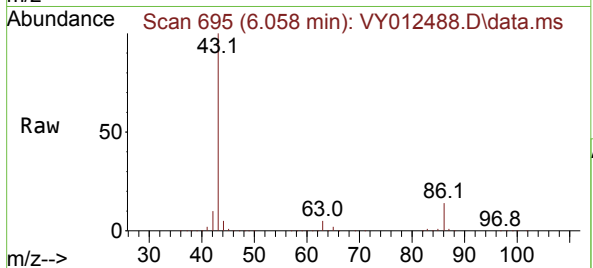
ClientSampleId :

Tgt Ion: 43 Resp: 607532

Ion Ratio Lower Upper

43 100

86 13.8 9.0 13.4#



#24

1,1-Dichloroethane

Concen: 55.327 ug/l

RT: 6.021 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

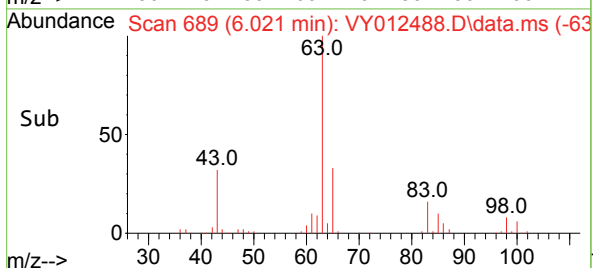
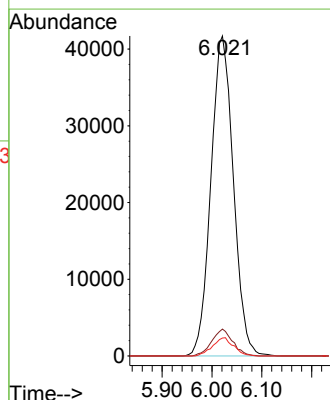
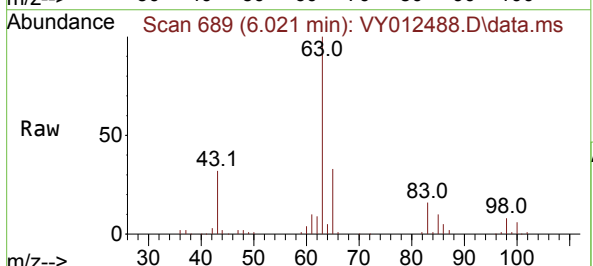
Tgt Ion: 63 Resp: 130651

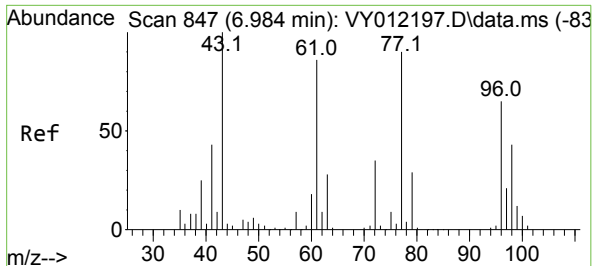
Ion Ratio Lower Upper

63 100

98 8.4 3.5 10.5

100 5.6 2.2 6.6





#25

2-Butanone

Concen: 275.072 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

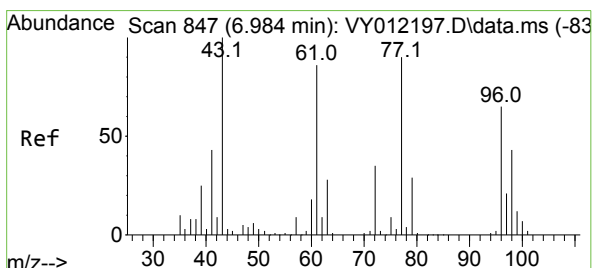
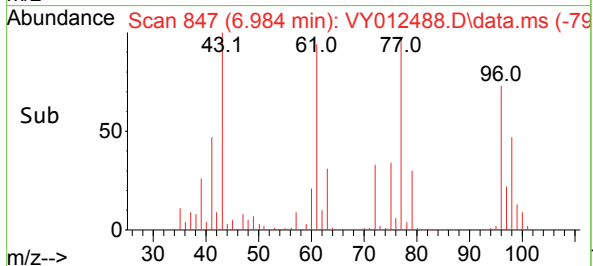
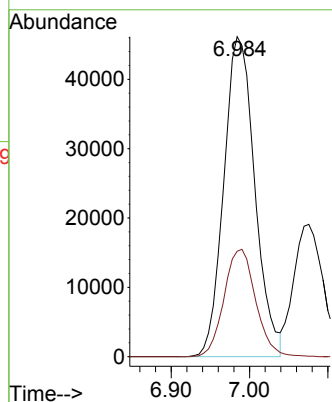
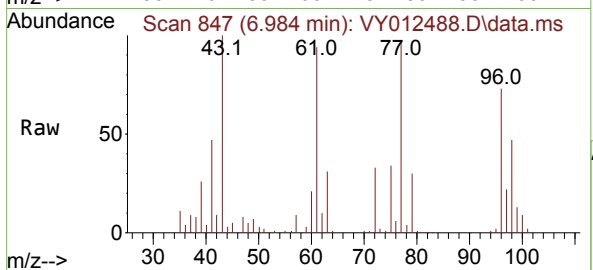
ClientSampleId :

Tgt Ion: 43 Resp: 127159

Ion Ratio Lower Upper

43 100

72 33.0 22.6 34.0



#26

2,2-Dichloropropane

Concen: 51.799 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012488.D

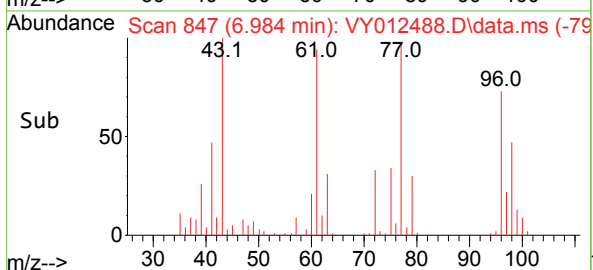
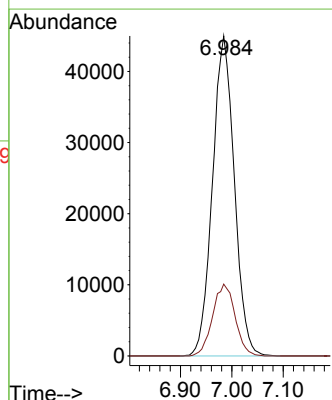
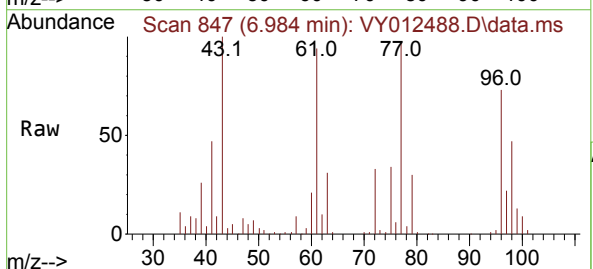
Acq: 03 Feb 2023 19:30

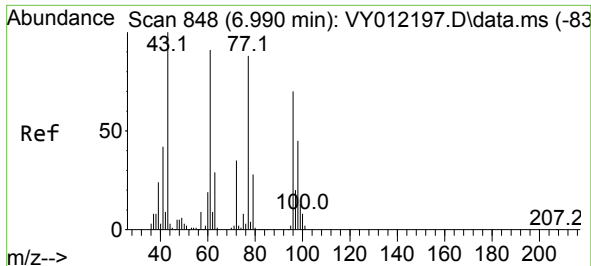
Tgt Ion: 77 Resp: 132787

Ion Ratio Lower Upper

77 100

97 23.1 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 55.221 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

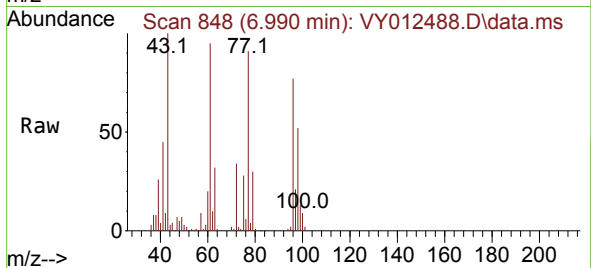
Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

ClientSampleId :



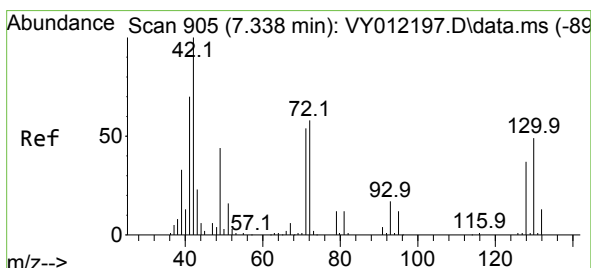
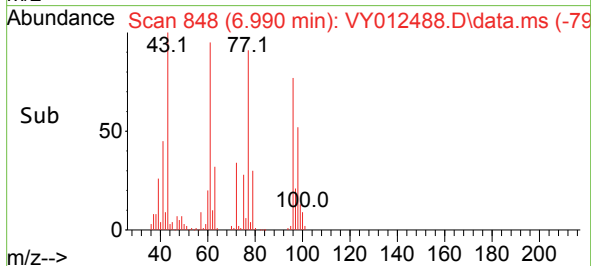
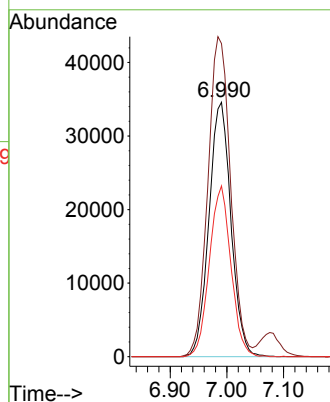
Tgt Ion: 96 Resp: 93484

Ion Ratio Lower Upper

96 100

61 130.0 0.0 283.4

98 65.6 0.0 127.6



#28

Bromochloromethane

Concen: 48.787 ug/l

RT: 7.338 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

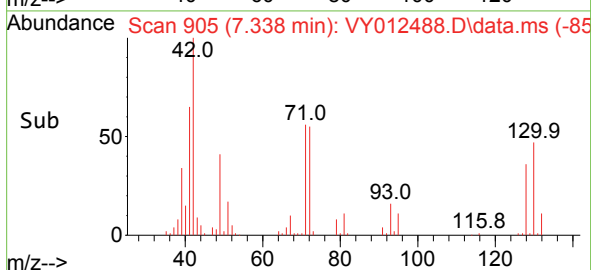
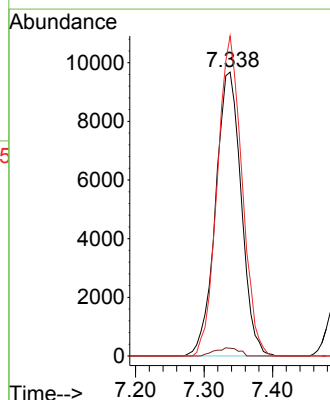
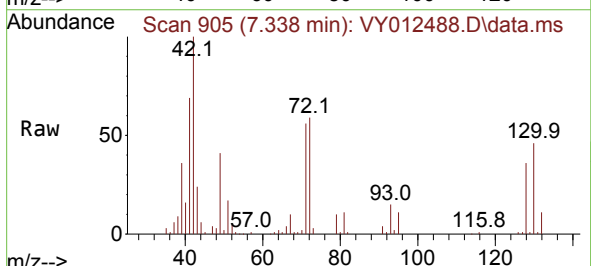
Tgt Ion: 49 Resp: 25161

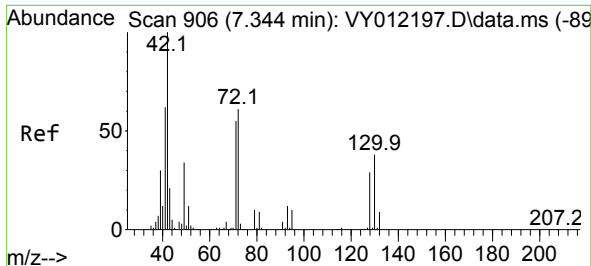
Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.6

130 108.4 66.7 100.1#





#29

Tetrahydrofuran

Concen: 307.148 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

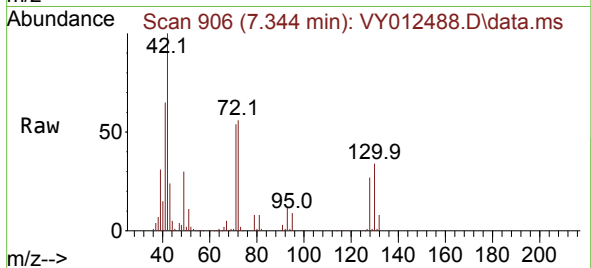
Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

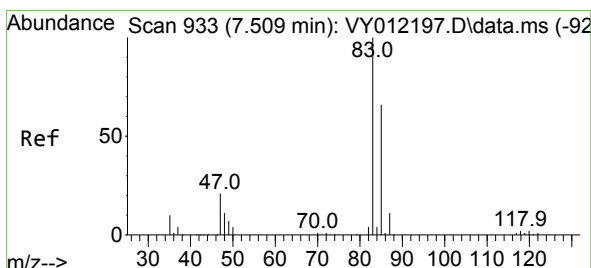
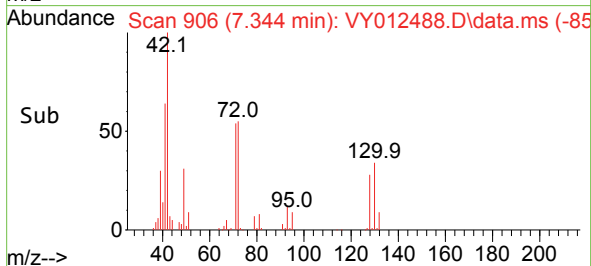
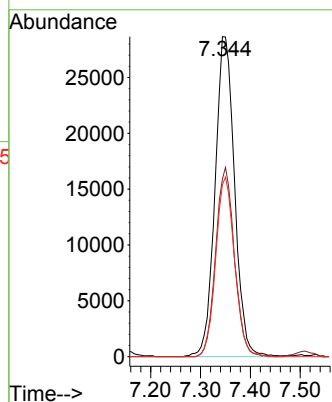
Instrument :

MSVOA\_Y

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 77992 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 56.5  | 37.0  | 55.6# |
| 71        | 54.3  | 34.9  | 52.3# |



#30

Chloroform

Concen: 56.677 ug/l

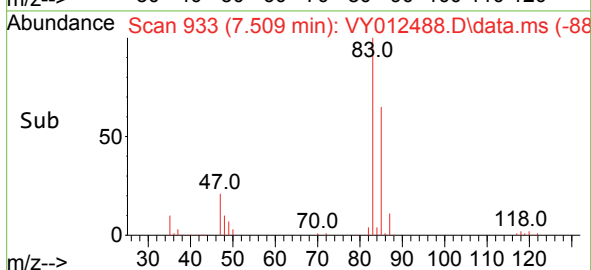
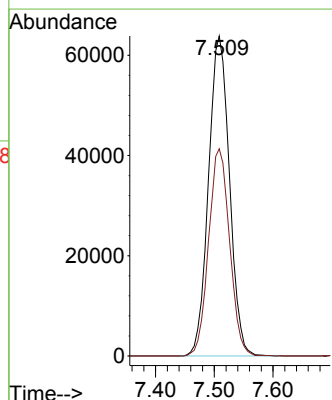
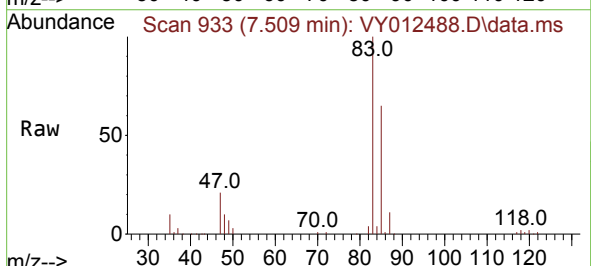
RT: 7.509 min Scan# 933

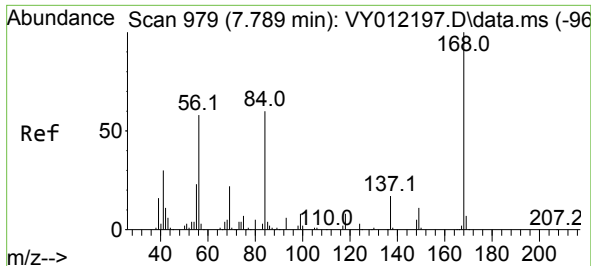
Delta R.T. 0.006 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 157991 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.7  | 51.5  | 77.3   |

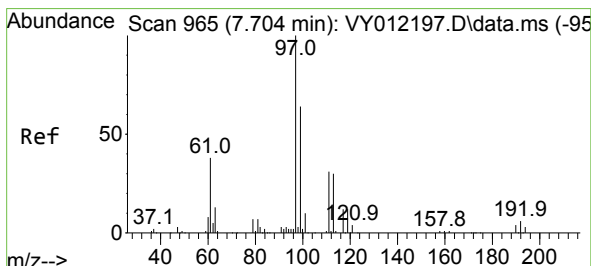
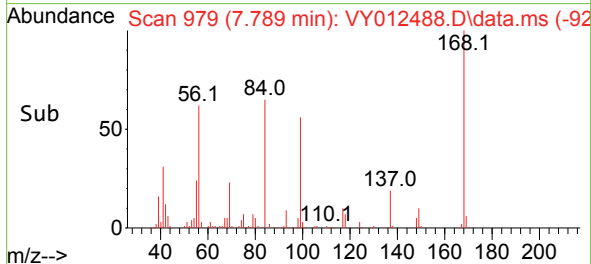
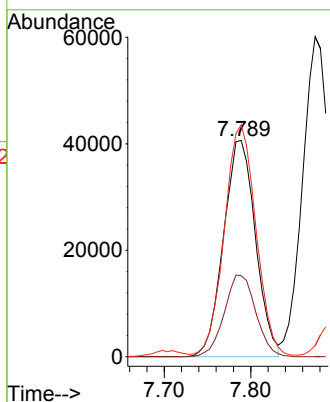
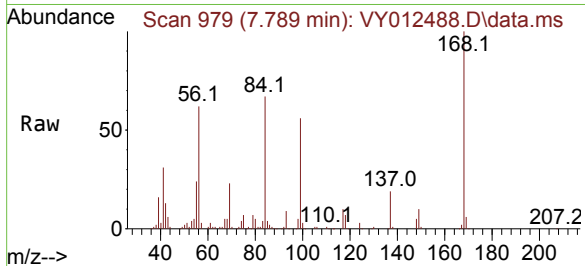




#31  
Cyclohexane  
Concen: 47.523 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

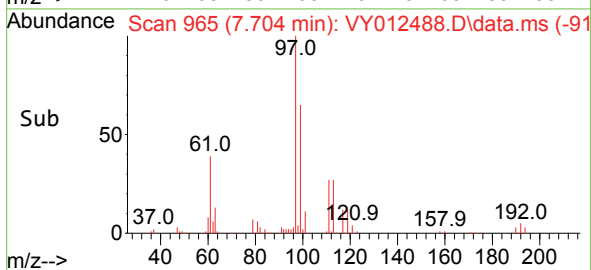
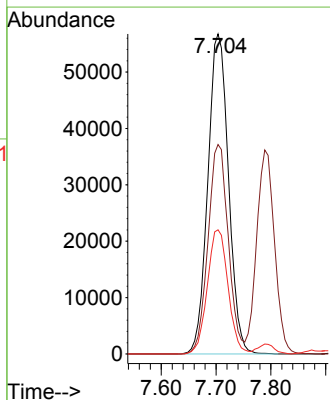
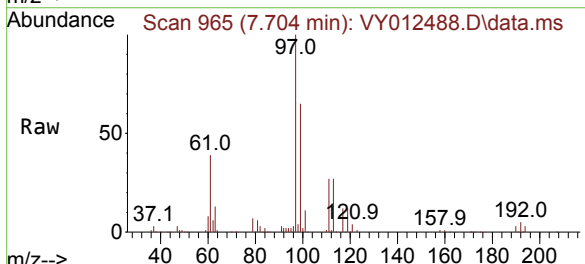
Instrument :  
MSVOA\_Y  
ClientSampleId :

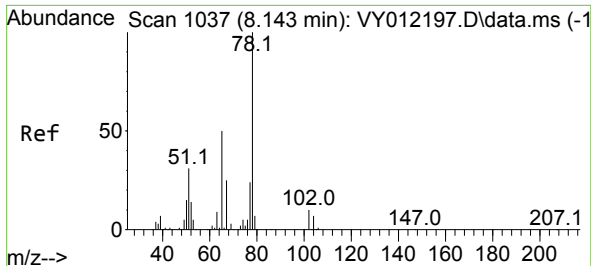
Tgt Ion: 56 Resp: 104195  
Ion Ratio Lower Upper  
56 100  
69 37.5 29.2 43.8  
84 105.2 72.6 108.8



#32  
1,1,1-Trichloroethane  
Concen: 53.771 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 97 Resp: 148392  
Ion Ratio Lower Upper  
97 100  
99 64.4 51.0 76.4  
61 39.0 33.0 49.4





#33

1,2-Dichloroethane-d4

Concen: 50.130 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

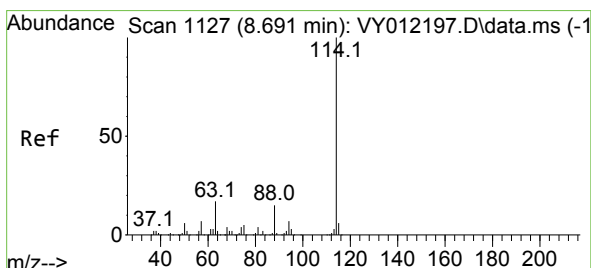
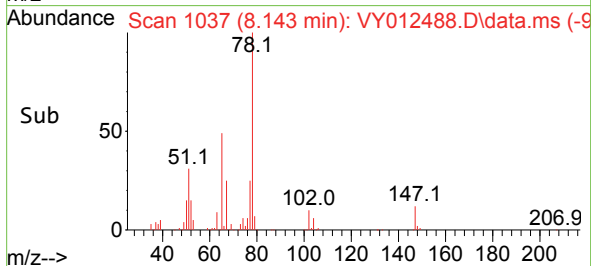
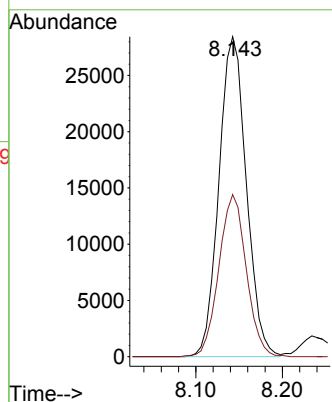
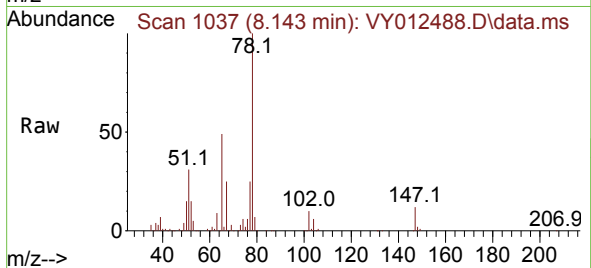
ClientSampleId :

Tgt Ion: 65 Resp: 62472

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

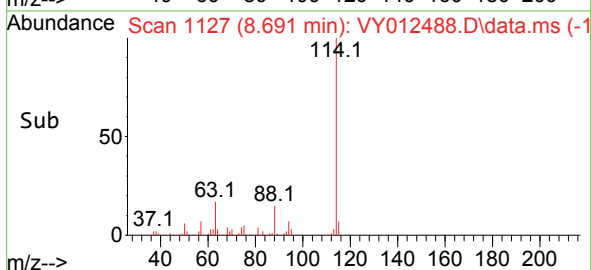
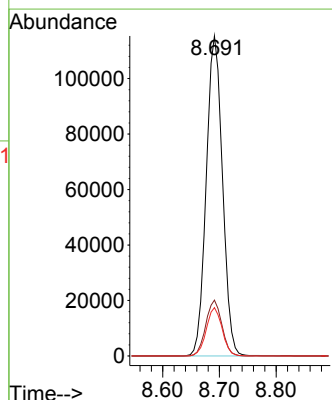
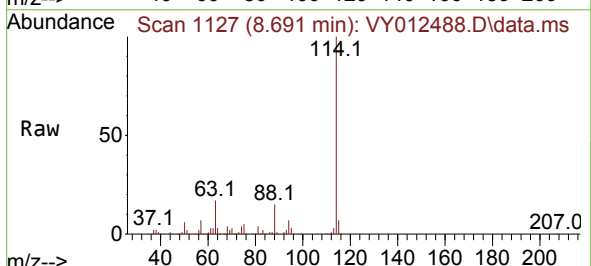
Tgt Ion: 114 Resp: 229495

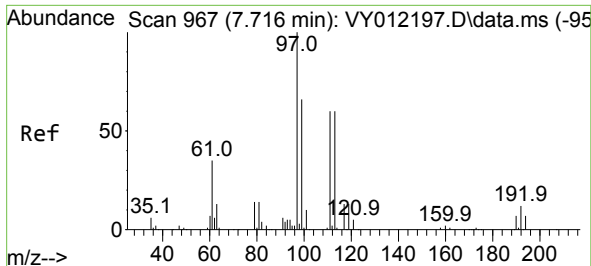
Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 15.1 0.0 32.2

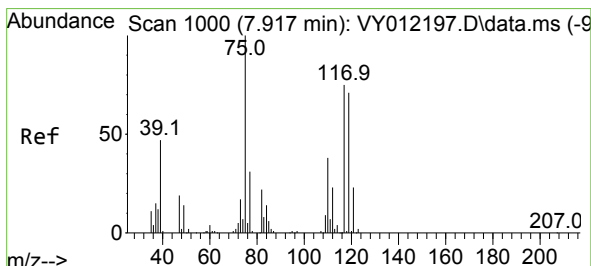
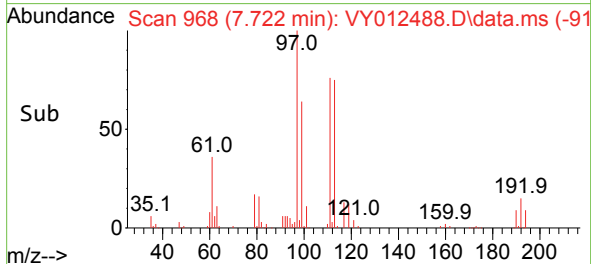
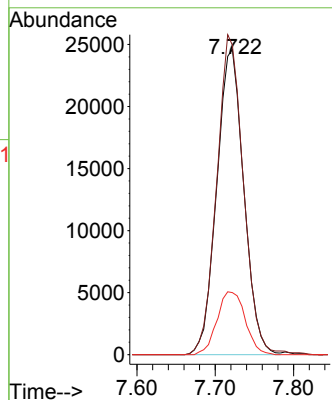
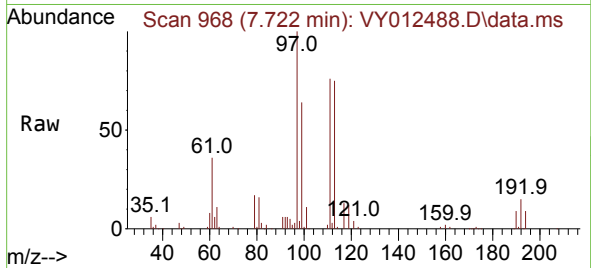




#35  
Dibromofluoromethane  
Concen: 48.631 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

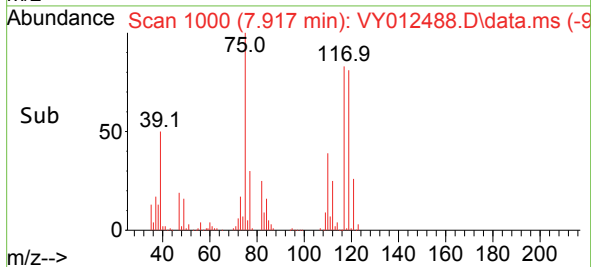
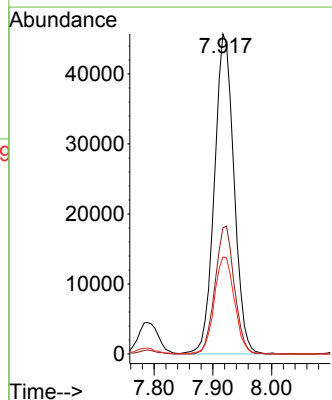
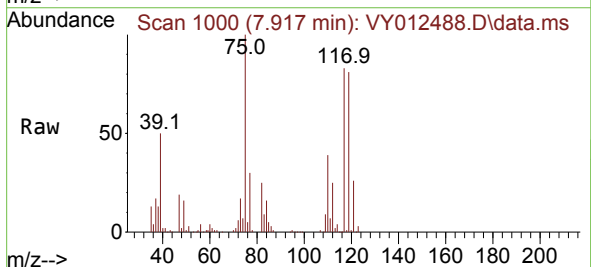
Instrument :  
MSVOA\_Y  
ClientSampleId :

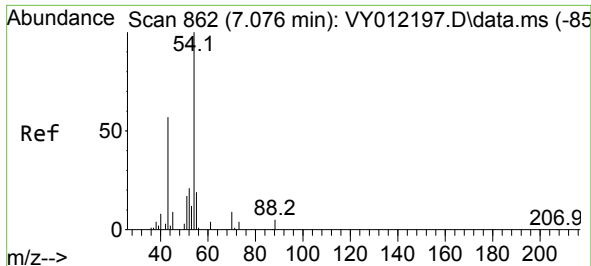
Tgt Ion:113 Resp: 59095  
Ion Ratio Lower Upper  
113 100  
111 103.3 83.0 124.4  
192 21.5 16.0 24.0



#36  
1,1-Dichloropropene  
Concen: 51.349 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 75 Resp: 106047  
Ion Ratio Lower Upper  
75 100  
110 39.2 18.1 54.1  
77 31.3 25.1 37.7





#37

Ethyl Acetate

Concen: 57.558 ug/l

RT: 7.076 min Scan# 8

Delta R.T. -0.000 min

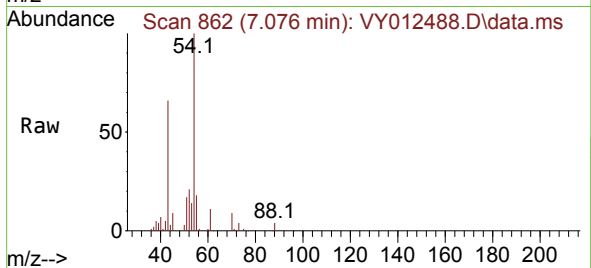
Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

ClientSampleId :



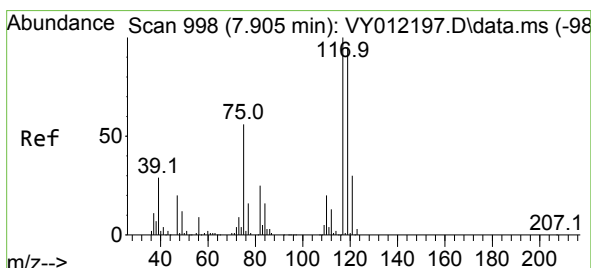
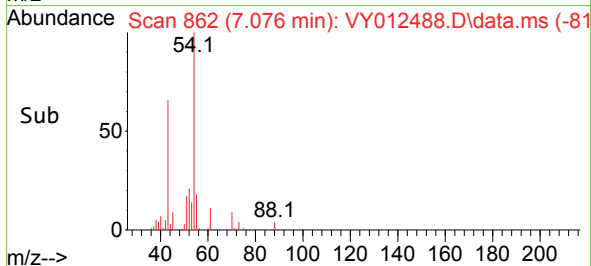
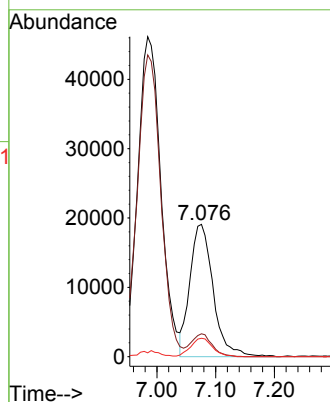
Tgt Ion: 43 Resp: 52403

Ion Ratio Lower Upper

43 100

61 15.5 11.3 16.9

70 13.1 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 52.231 ug/l

RT: 7.899 min Scan# 997

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

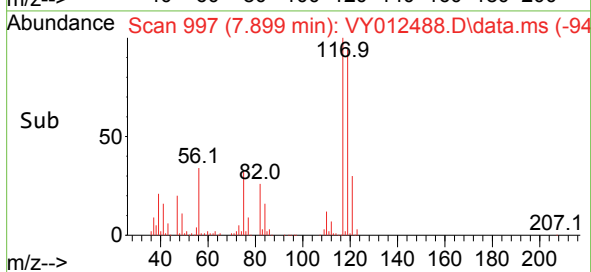
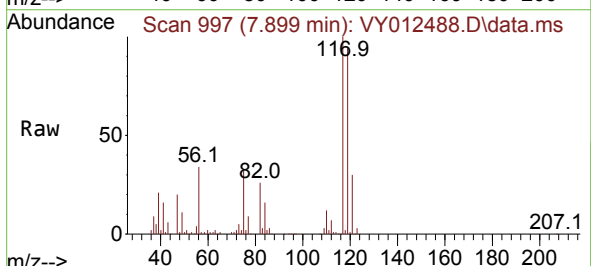
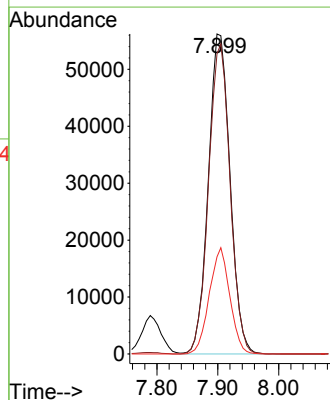
Tgt Ion: 117 Resp: 139313

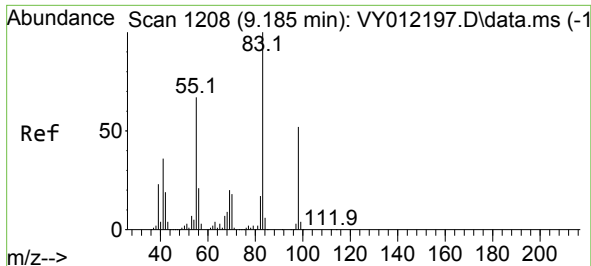
Ion Ratio Lower Upper

117 100

119 93.8 73.8 110.8

121 30.4 25.2 37.8

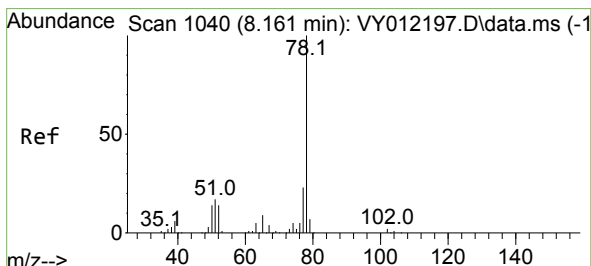
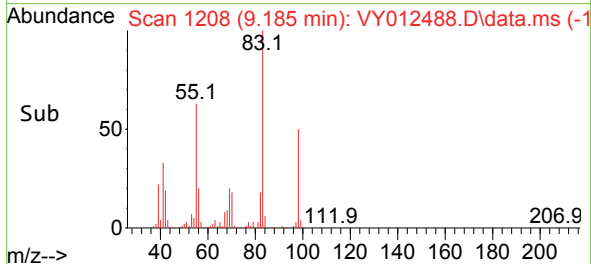
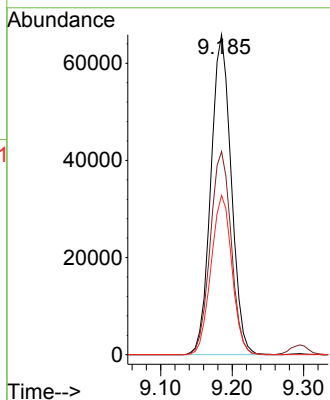
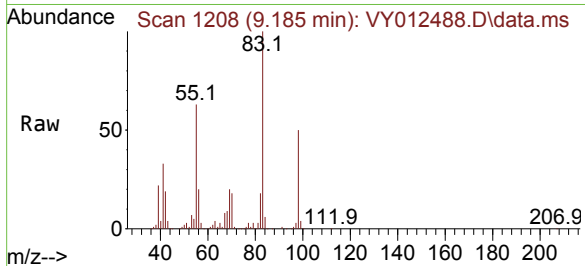




#39  
Methylcyclohexane  
Concen: 51.532 ug/l  
RT: 9.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

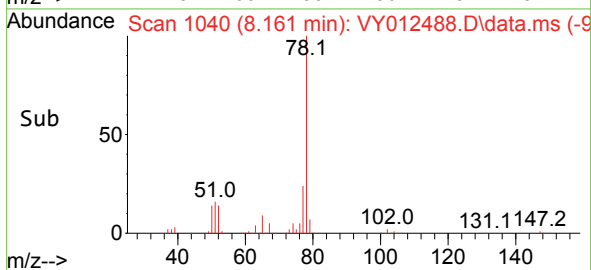
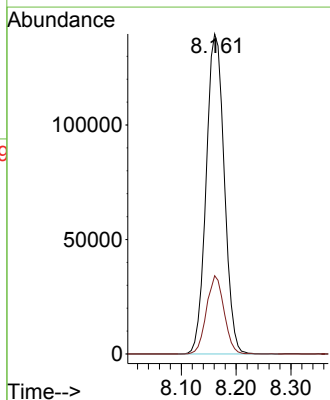
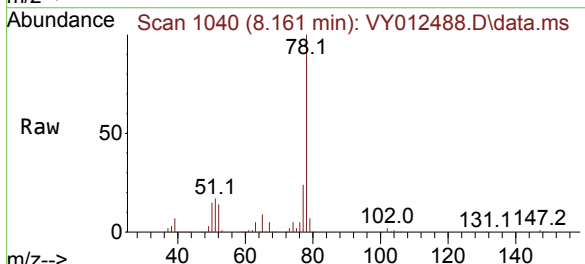
Instrument :  
MSVOA\_Y  
ClientSampleId :

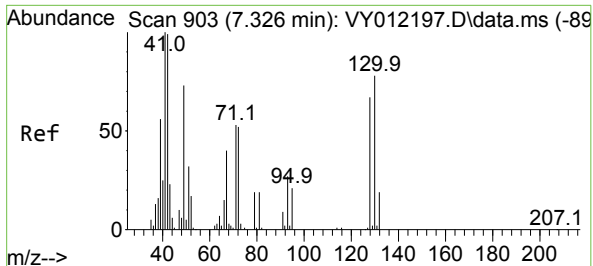
Tgt Ion: 83 Resp: 130057  
Ion Ratio Lower Upper  
83 100  
55 63.5 58.2 87.2  
98 49.8 38.6 58.0



#40  
Benzene  
Concen: 53.560 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

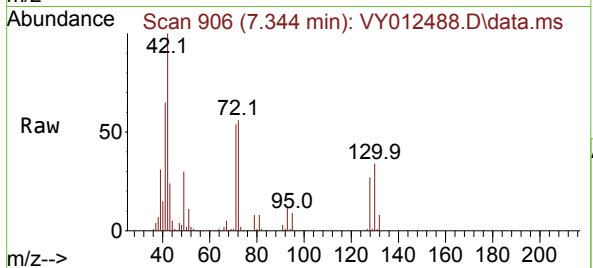
Tgt Ion: 78 Resp: 319257  
Ion Ratio Lower Upper  
78 100  
77 24.5 18.6 27.8



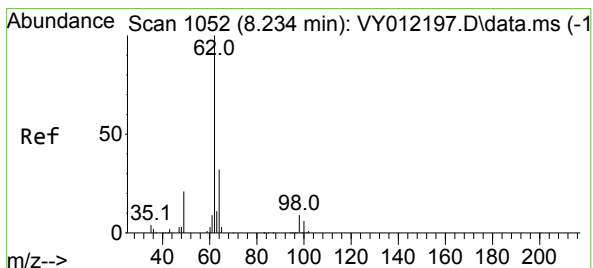
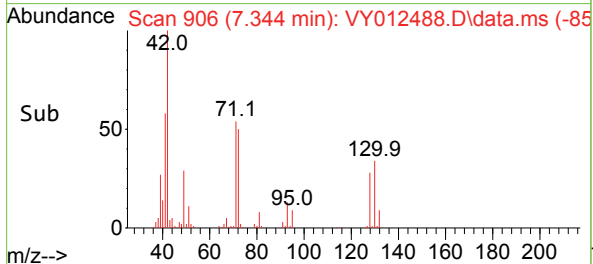
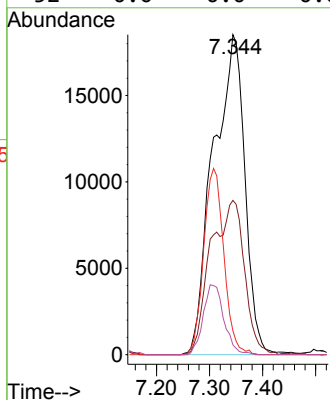


#41  
Methacrylonitrile  
Concen: 142.585 ug/l  
RT: 7.344 min Scan# 903  
Delta R.T. 0.018 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Instrument :  
MSVOA\_Y  
ClientSampleId :

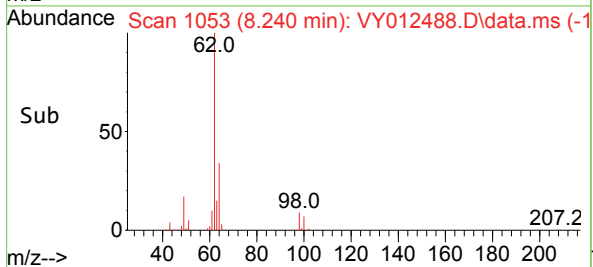
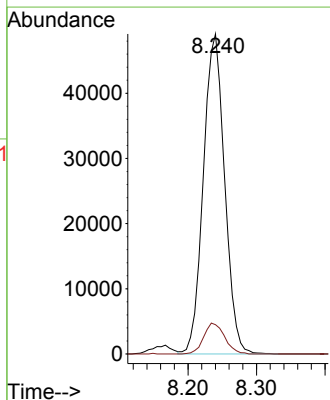
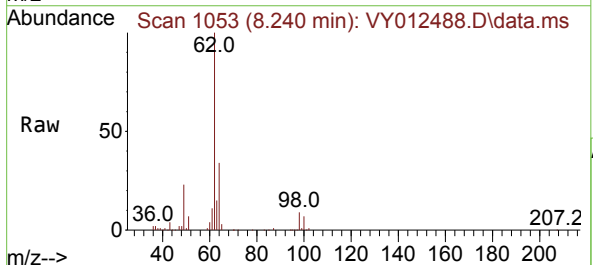


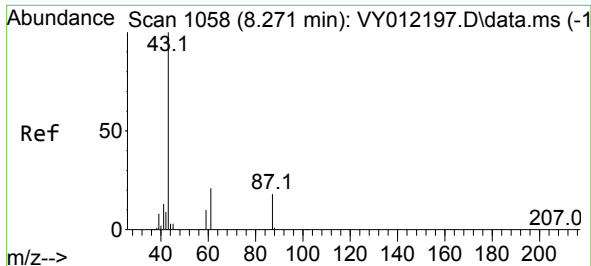
Tgt Ion: 41 Resp: 76304  
Ion Ratio Lower Upper  
41 100  
39 51.5 0.0 0.0#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 55.919 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

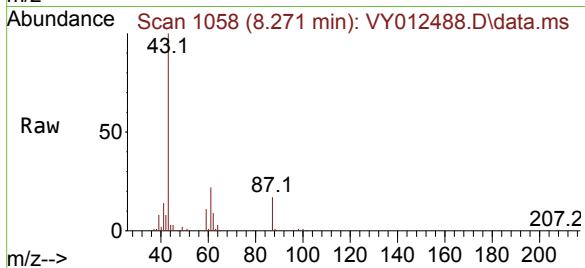
Tgt Ion: 62 Resp: 106115  
Ion Ratio Lower Upper  
62 100  
98 9.5 0.0 19.6



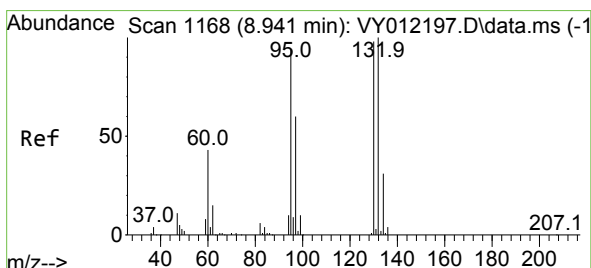
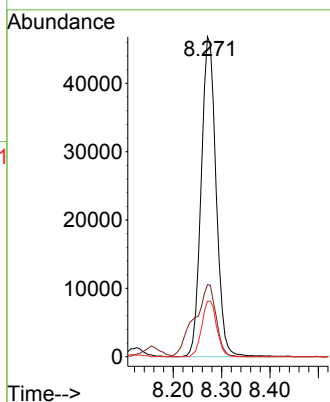
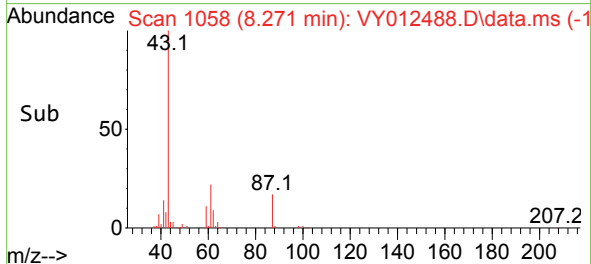


#43  
Isopropyl Acetate  
Concen: 59.072 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Instrument :  
MSVOA\_Y  
ClientSampleId :

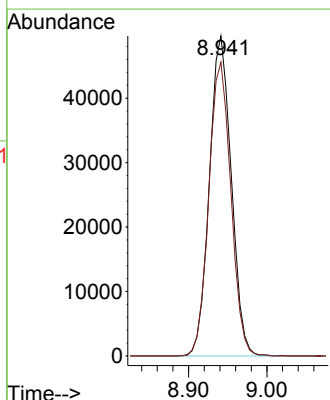
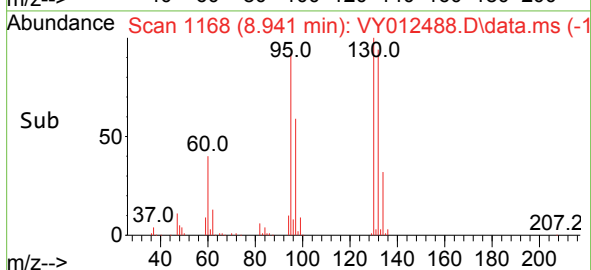
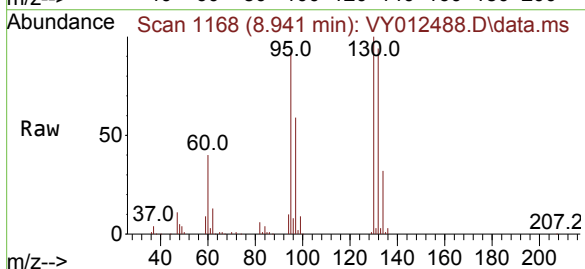


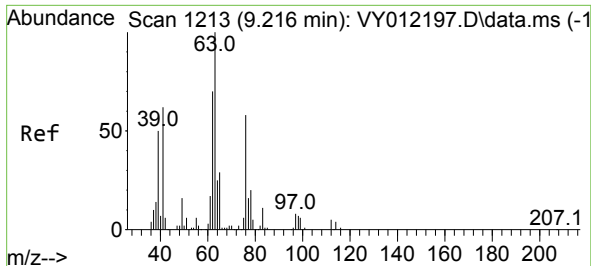
Tgt Ion: 43 Resp: 100059  
Ion Ratio Lower Upper  
43 100  
61 32.7 24.4 36.6  
87 17.4 11.4 17.2#



#44  
Trichloroethene  
Concen: 54.072 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion:130 Resp: 96336  
Ion Ratio Lower Upper  
130 100  
95 91.8 0.0 190.6





#45

1,2-Dichloropropane

Concen: 57.064 ug/l

RT: 9.216 min Scan# 1213

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

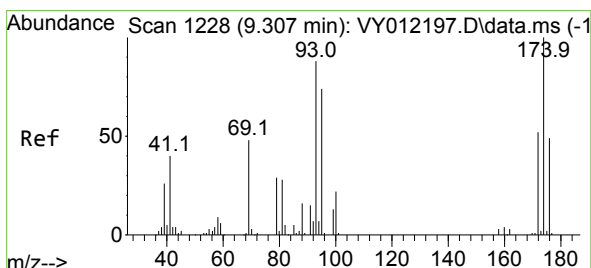
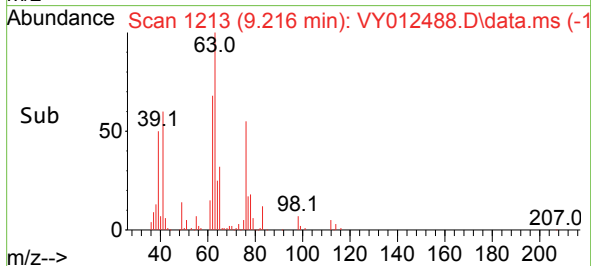
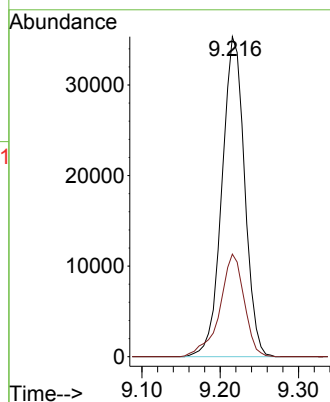
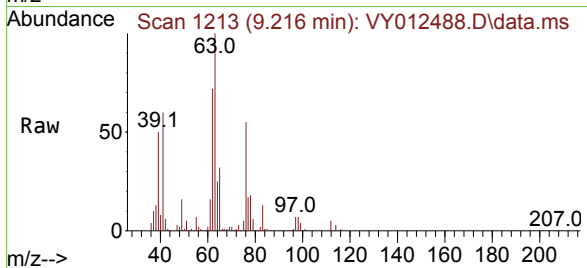
ClientSampleId :

Tgt Ion: 63 Resp: 70975

Ion Ratio Lower Upper

63 100

65 32.1 24.9 37.3



#46

Dibromomethane

Concen: 57.812 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

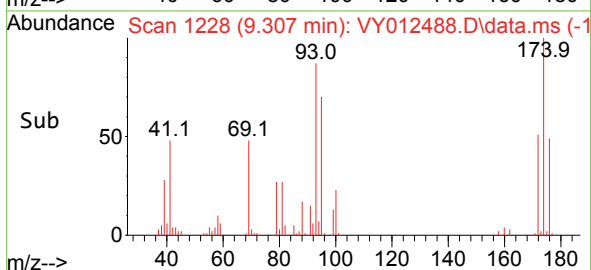
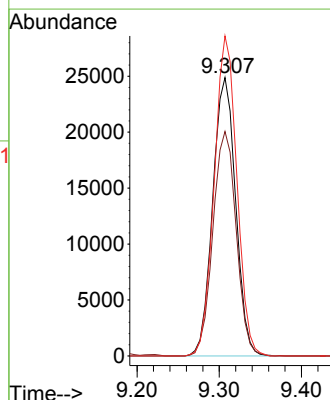
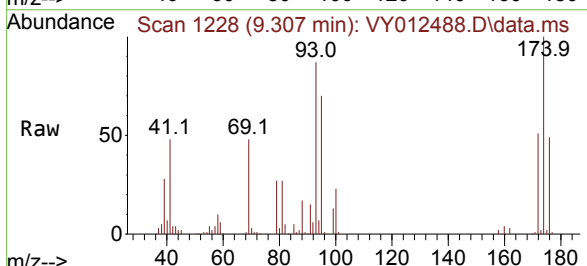
Tgt Ion: 93 Resp: 48137

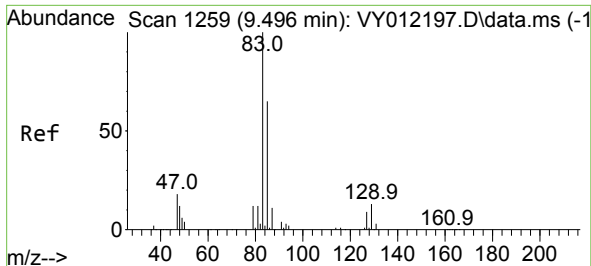
Ion Ratio Lower Upper

93 100

95 82.1 66.1 99.1

174 113.6 84.7 127.1

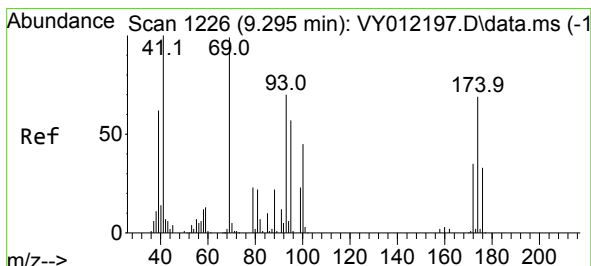
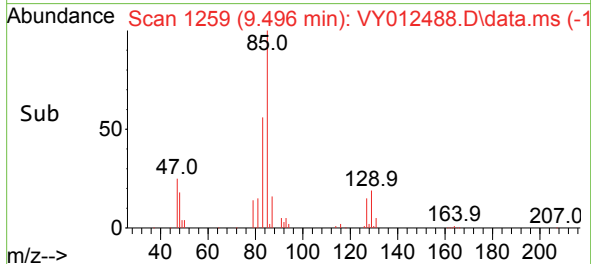
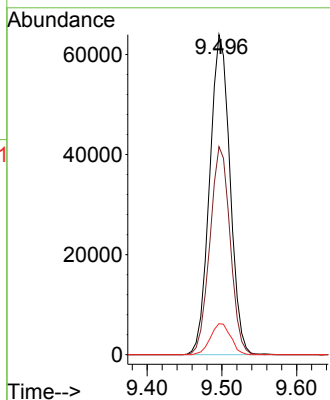
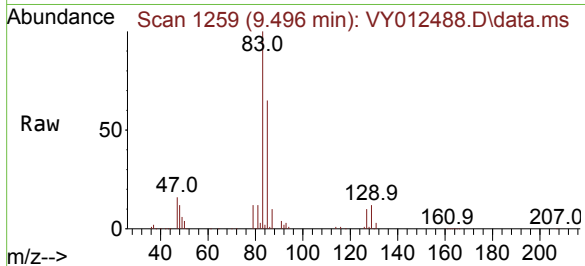




#47  
Bromodichloromethane  
Concen: 57.568 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

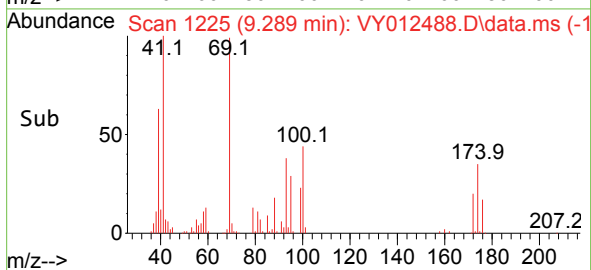
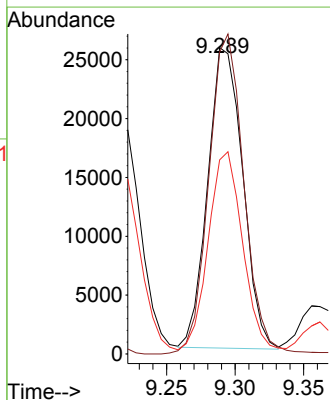
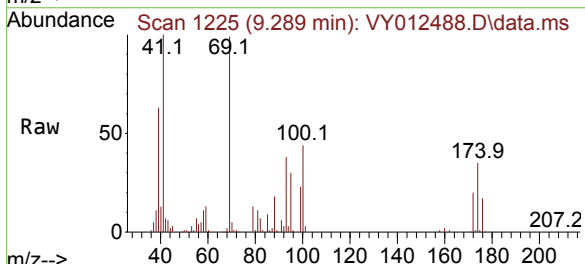
Instrument :  
MSVOA\_Y  
ClientSampleId :

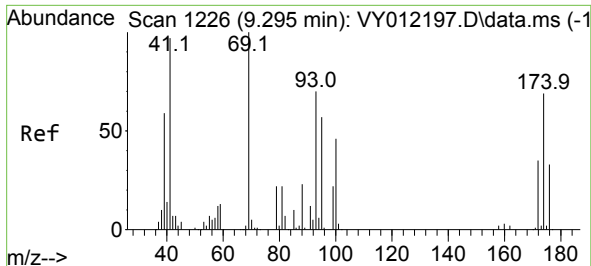
Tgt Ion: 83 Resp: 120661  
Ion Ratio Lower Upper  
83 100  
85 65.0 52.0 78.0  
127 9.7 7.3 10.9



#48  
Methyl methacrylate  
Concen: 58.129 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 41 Resp: 45367  
Ion Ratio Lower Upper  
41 100  
69 106.8 74.2 111.2  
39 64.5 46.3 69.5





#49

1,4-Dioxane

Concen: 1192.235 ug/l

RT: 9.295 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

ClientSampleId :

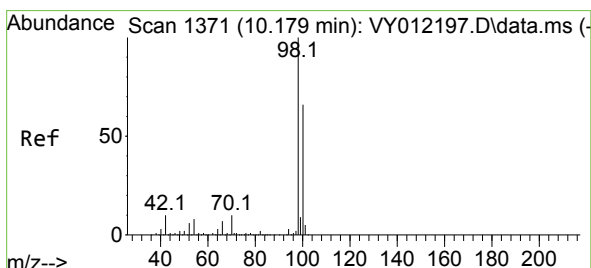
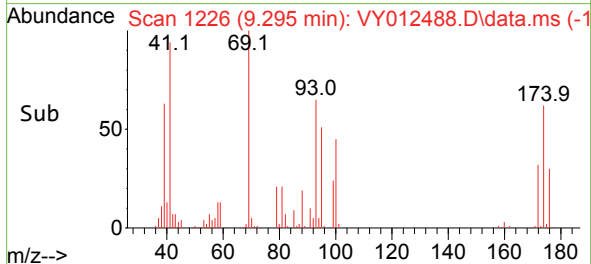
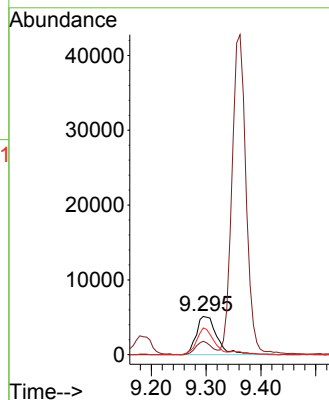
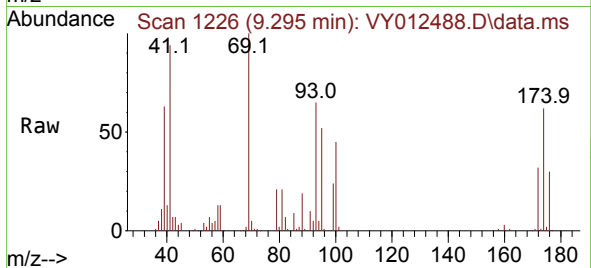
Tgt Ion: 88 Resp: 13527

Ion Ratio Lower Upper

88 100

43 28.2 26.2 39.2

58 57.0 54.3 81.5



#50

Toluene-d8

Concen: 47.391 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012488.D

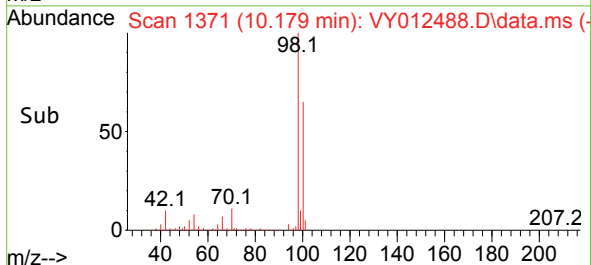
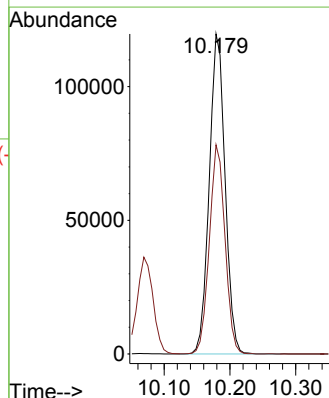
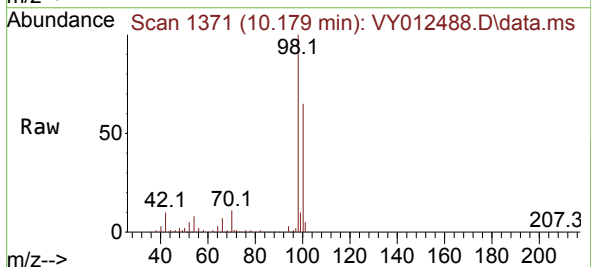
Acq: 03 Feb 2023 19:30

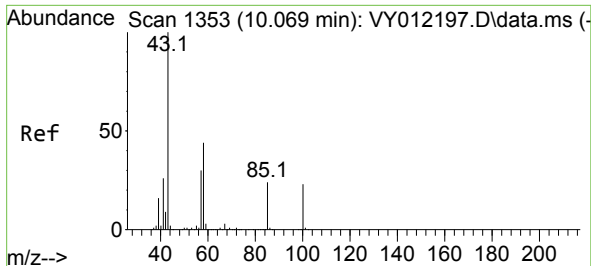
Tgt Ion: 98 Resp: 200486

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9

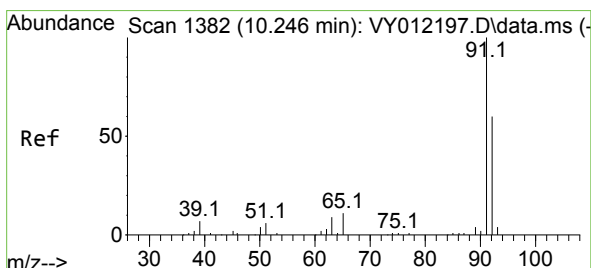
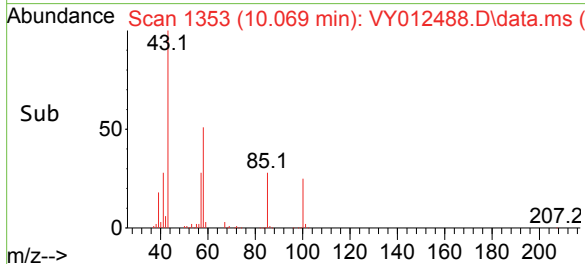
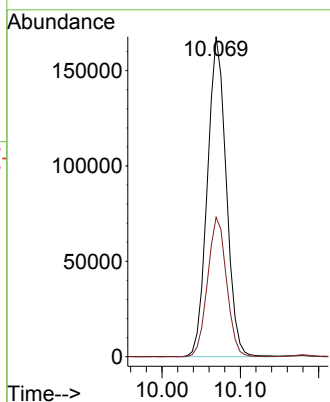
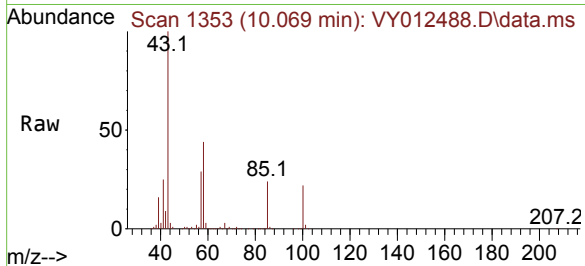




#51  
4-Methyl-2-Pentanone  
Concen: 310.092 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

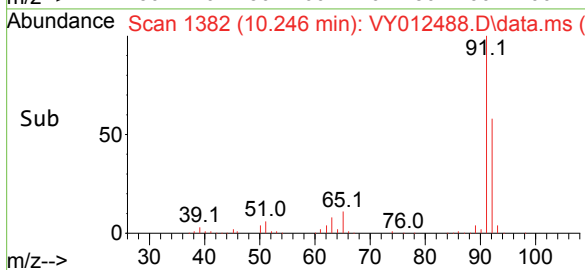
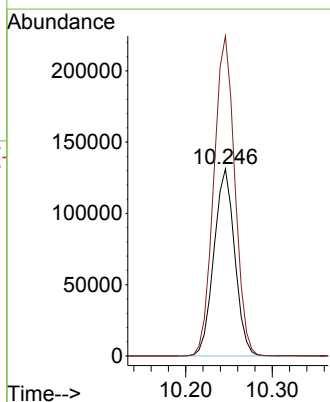
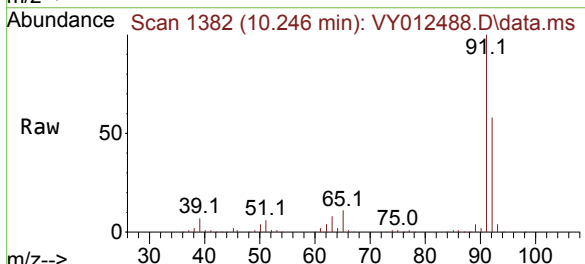
Instrument :  
MSVOA\_Y  
ClientSampleId :

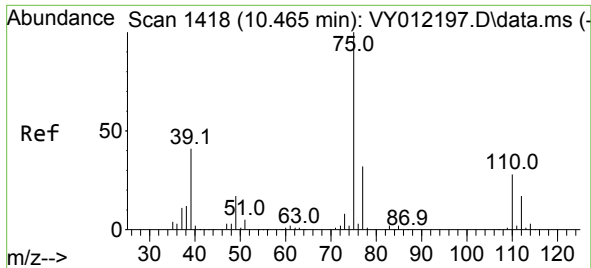
Tgt Ion: 43 Resp: 280077  
Ion Ratio Lower Upper  
43 100  
58 43.9 32.9 49.3



#52  
Toluene  
Concen: 55.096 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 92 Resp: 218665  
Ion Ratio Lower Upper  
92 100  
91 173.1 137.4 206.0

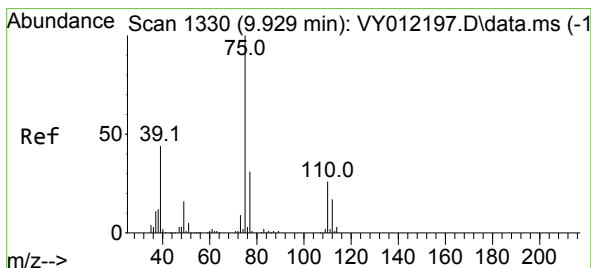
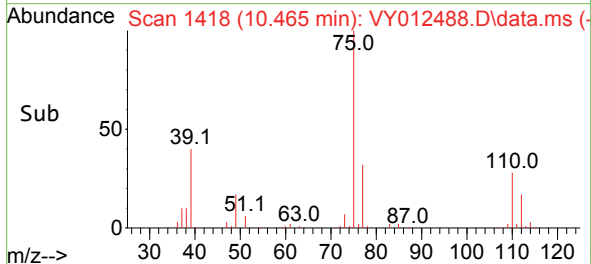
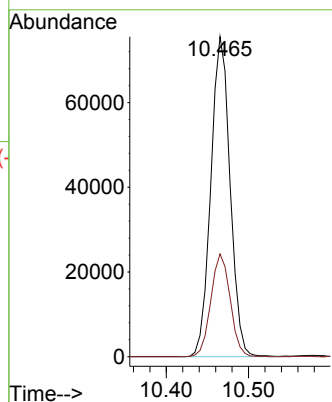
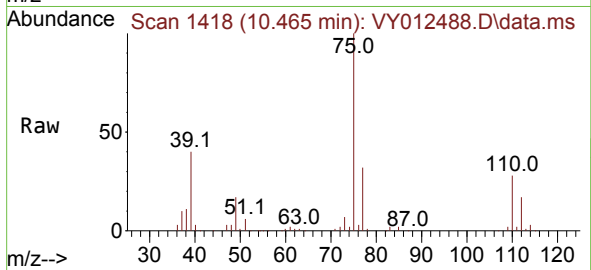




#53  
 t-1,3-Dichloropropene  
 Concen: 56.067 ug/l  
 RT: 10.465 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VY012488.D  
 Acq: 03 Feb 2023 19:30

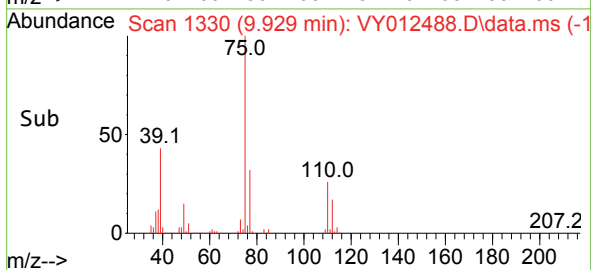
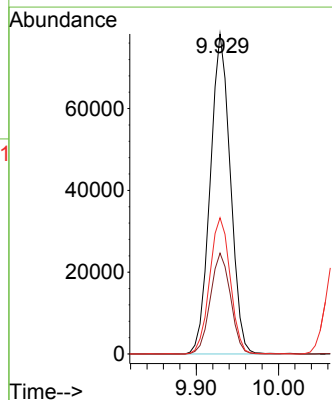
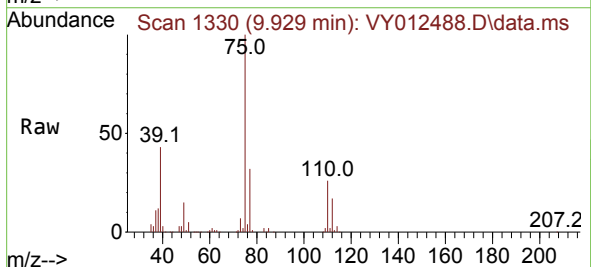
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

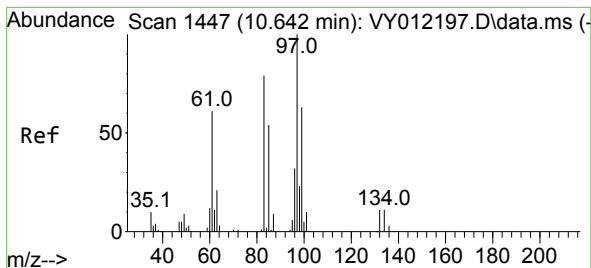
Tgt Ion: 75 Resp: 122921  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 25.8 38.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 56.369 ug/l  
 RT: 9.929 min Scan# 1330  
 Delta R.T. -0.000 min  
 Lab File: VY012488.D  
 Acq: 03 Feb 2023 19:30

Tgt Ion: 75 Resp: 133093  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 25.9 38.9  
 39 42.6 34.6 52.0

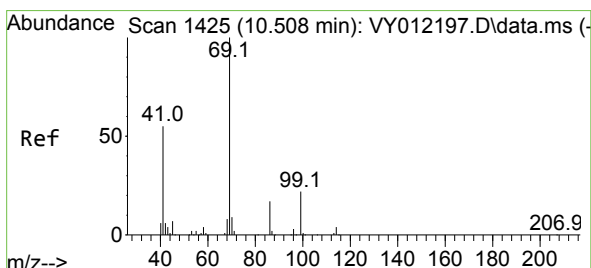
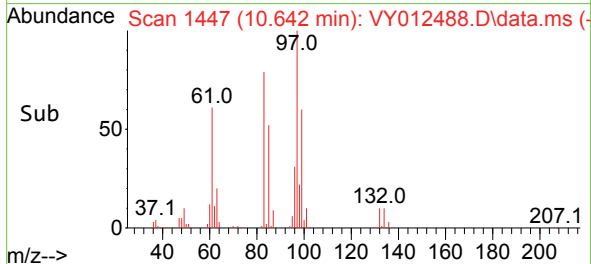
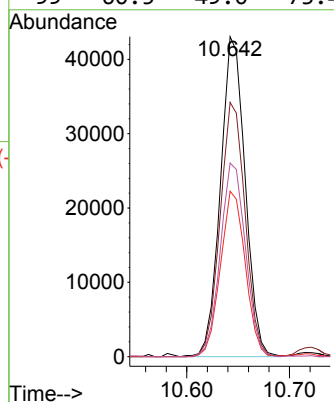
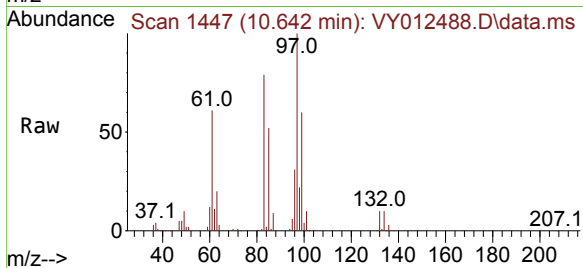




#55  
 1,1,2-Trichloroethane  
 Concen: 60.731 ug/l  
 RT: 10.642 min Scan# 1447  
 Delta R.T. 0.000 min  
 Lab File: VY012488.D  
 Acq: 03 Feb 2023 19:30

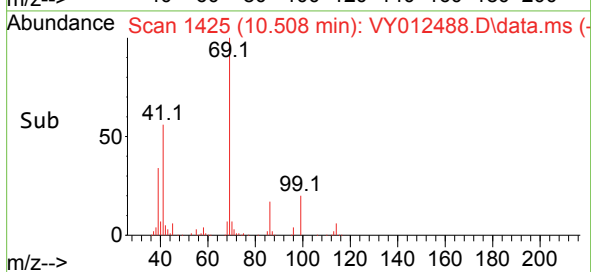
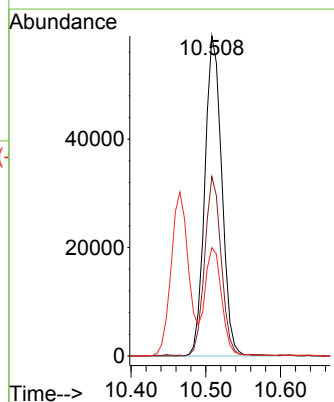
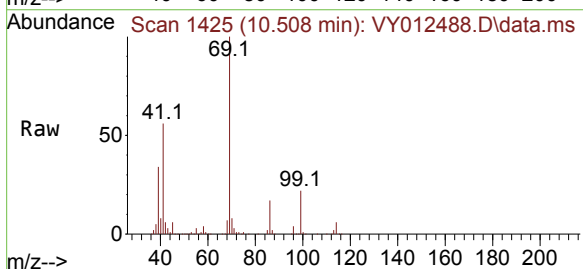
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

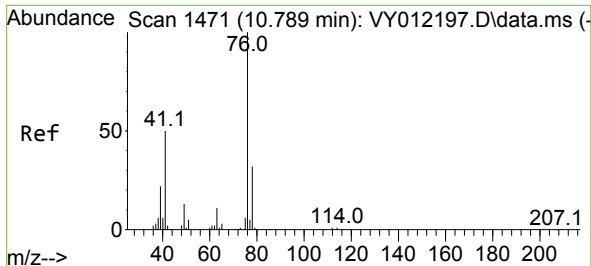
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 71846 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 79.5  | 67.7  | 101.5 |
| 85       | 51.7  | 43.8  | 65.8  |
| 99       | 60.5  | 49.0  | 73.4  |



#56  
 Ethyl methacrylate  
 Concen: 60.044 ug/l  
 RT: 10.508 min Scan# 1425  
 Delta R.T. -0.000 min  
 Lab File: VY012488.D  
 Acq: 03 Feb 2023 19:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 93189 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 54.5  | 48.9  | 73.3  |
| 39       | 32.7  | 25.9  | 38.9  |





#57

1,3-Dichloropropane

Concen: 59.535 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. -0.001 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

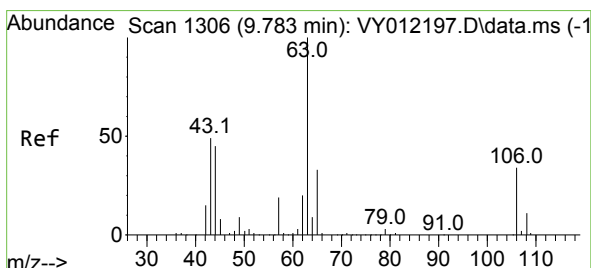
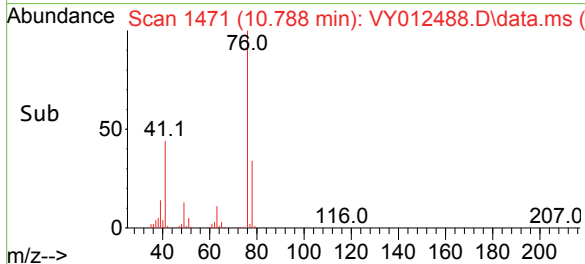
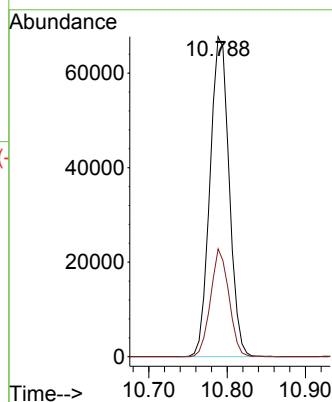
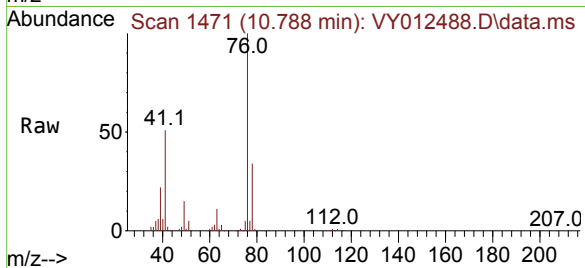
ClientSampleId :

Tgt Ion: 76 Resp: 115023

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 260.163 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VY012488.D

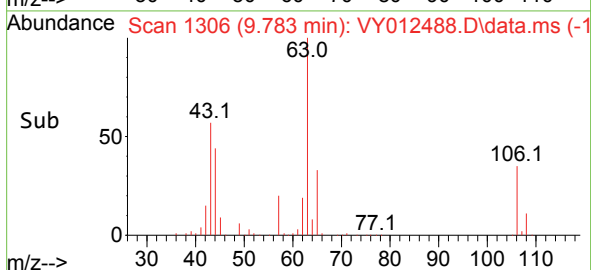
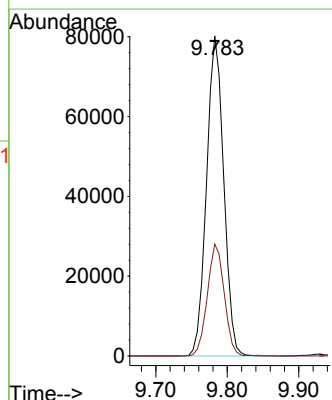
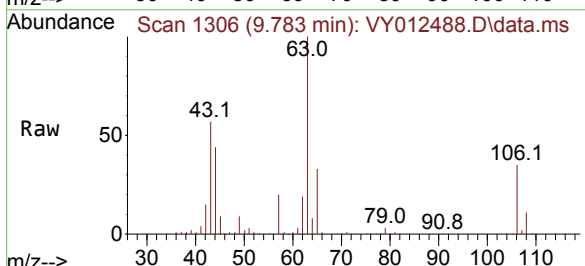
Acq: 03 Feb 2023 19:30

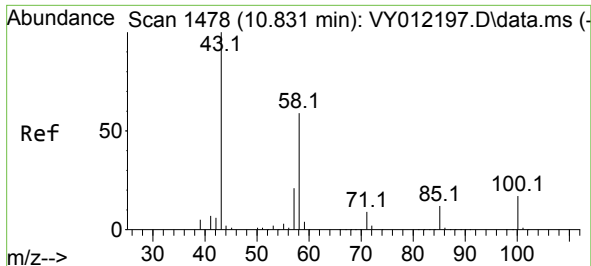
Tgt Ion: 63 Resp: 133605

Ion Ratio Lower Upper

63 100

106 34.5 23.2 34.8

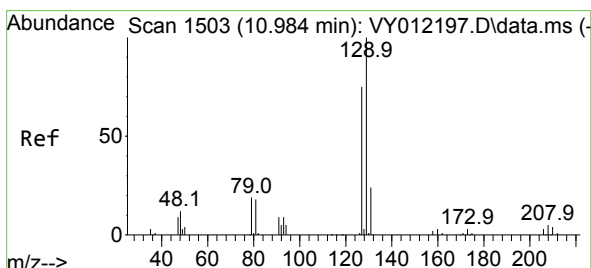
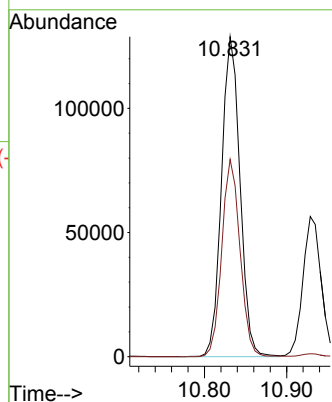
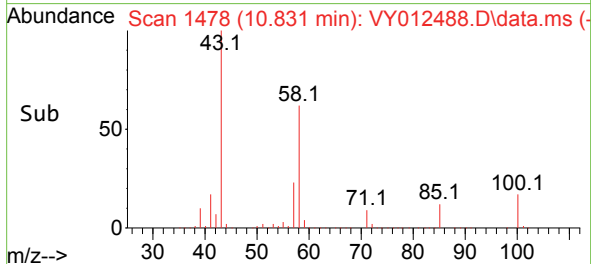
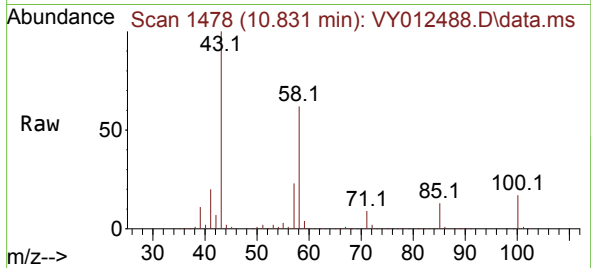




#59  
2-Hexanone  
Concen: 293.213 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

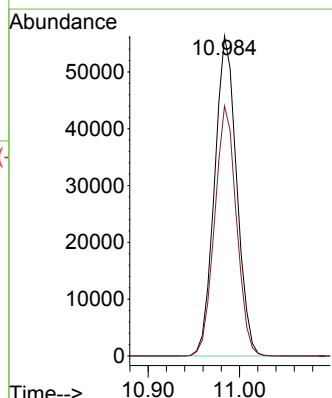
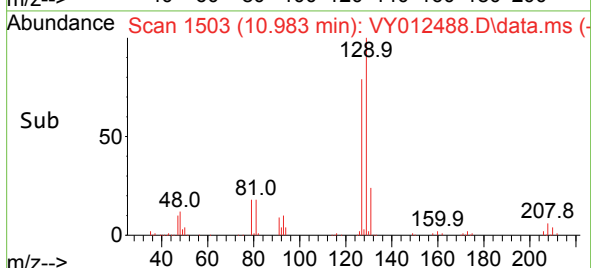
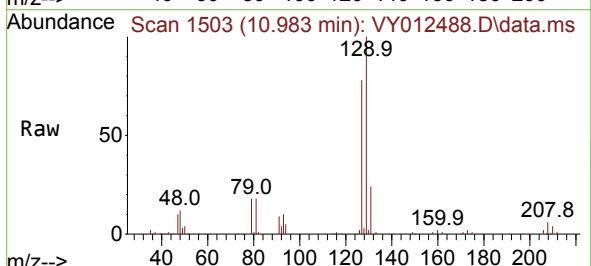
Instrument :  
MSVOA\_Y  
ClientSampleId :

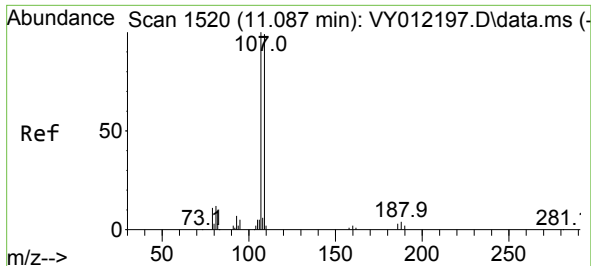
Tgt Ion: 43 Resp: 201630  
Ion Ratio Lower Upper  
43 100  
58 60.9 28.4 85.2



#60  
Dibromochloromethane  
Concen: 60.209 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. -0.001 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion:129 Resp: 94472  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.9 116.6

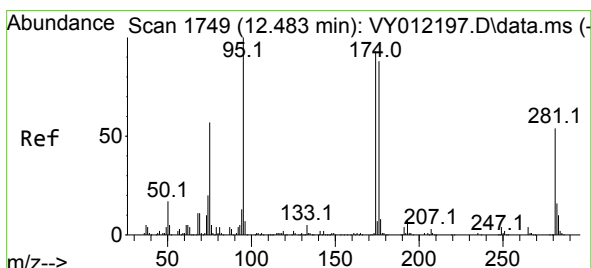
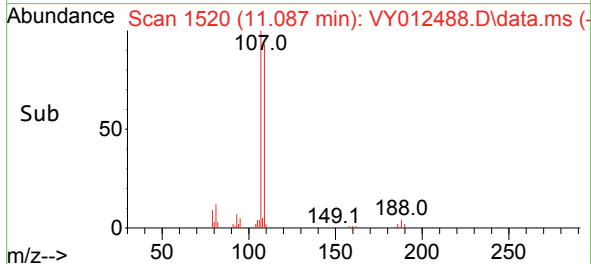
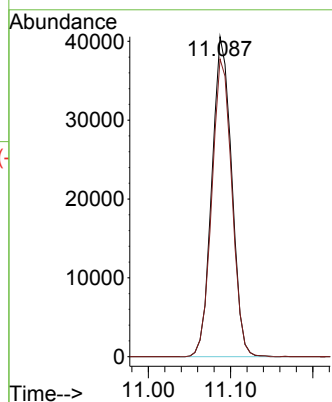
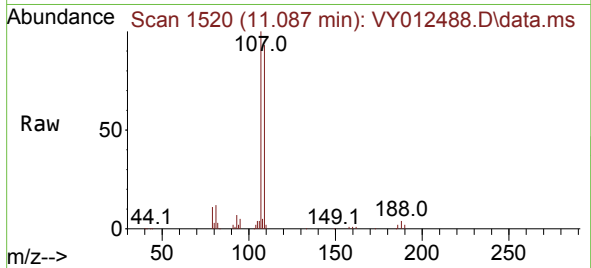




#61  
1,2-Dibromoethane  
Concen: 59.420 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

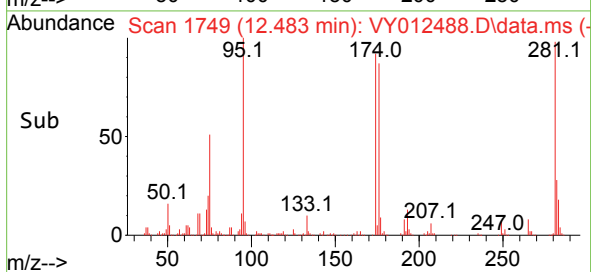
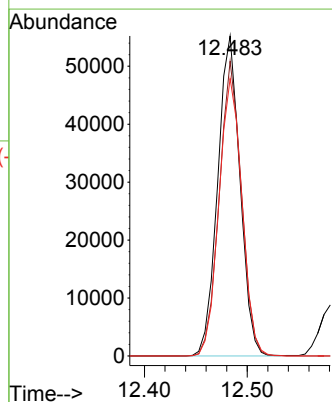
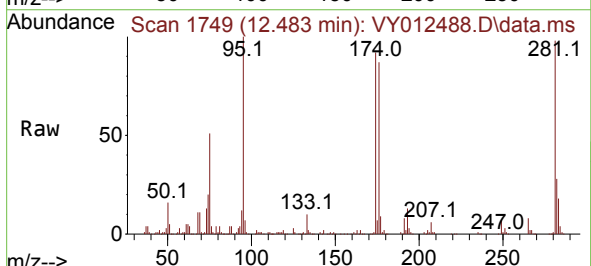
Instrument :  
MSVOA\_Y  
ClientSampleId :

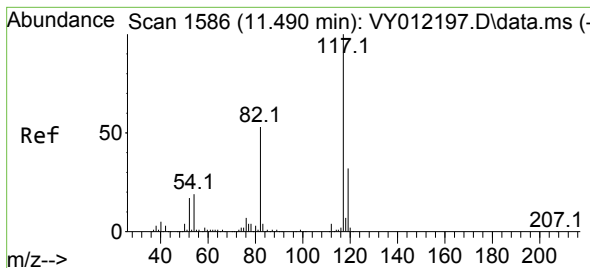
Tgt Ion:107 Resp: 67830  
Ion Ratio Lower Upper  
107 100  
109 94.0 75.8 113.6



#62  
4-Bromofluorobenzene  
Concen: 48.590 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 95 Resp: 83236  
Ion Ratio Lower Upper  
95 100  
174 91.4 0.0 172.0  
176 89.4 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.001 min

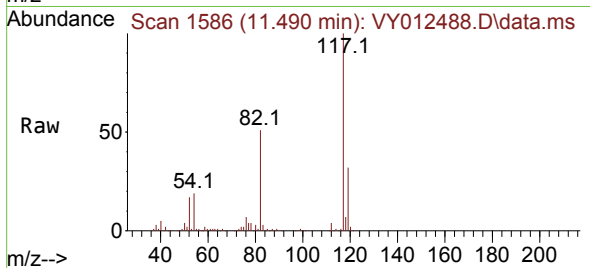
Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

ClientSampleId :



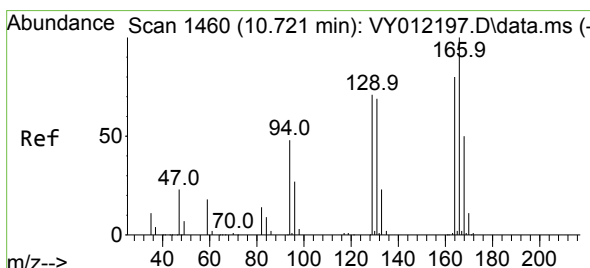
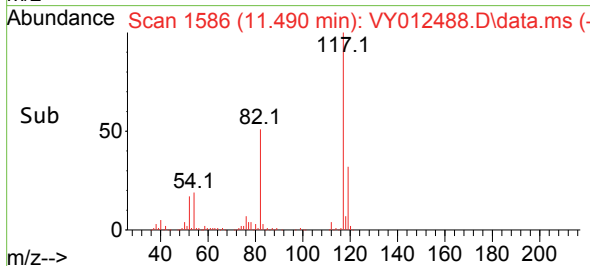
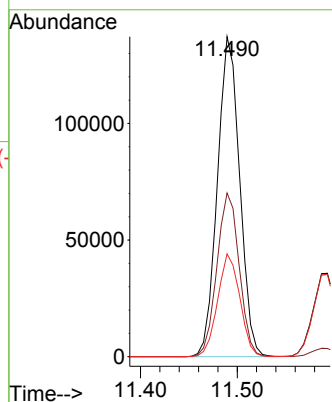
Tgt Ion:117 Resp: 219321

Ion Ratio Lower Upper

117 100

82 51.2 44.8 67.2

119 32.2 25.4 38.2



#64

Tetrachloroethene

Concen: 55.973 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Tgt Ion:164 Resp: 112018

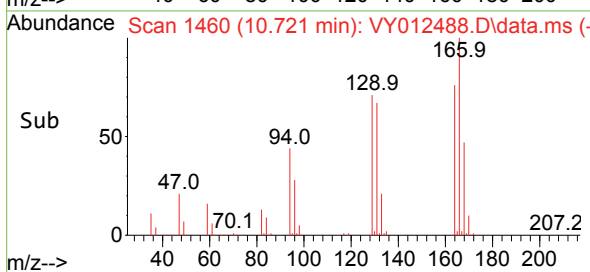
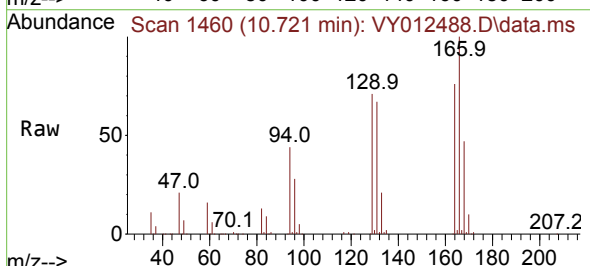
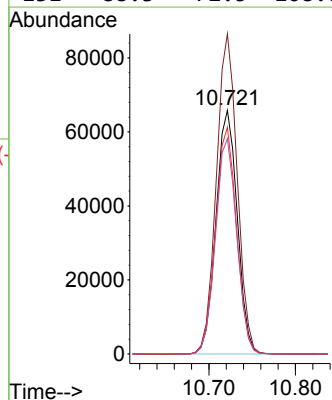
Ion Ratio Lower Upper

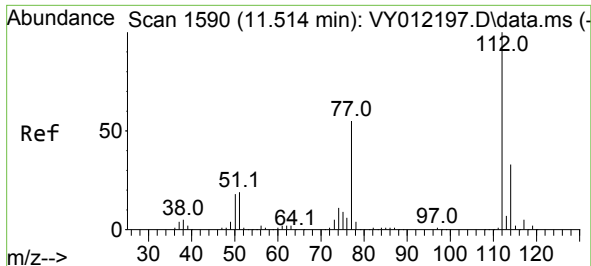
164 100

166 131.3 102.3 153.5

129 93.0 77.2 115.8

131 88.3 72.5 108.7

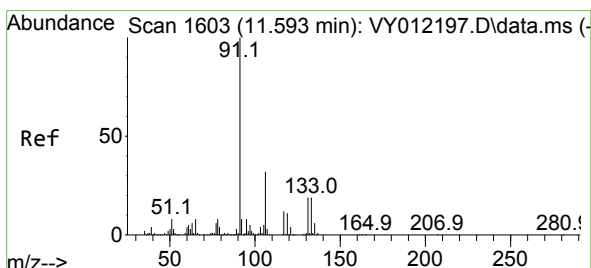
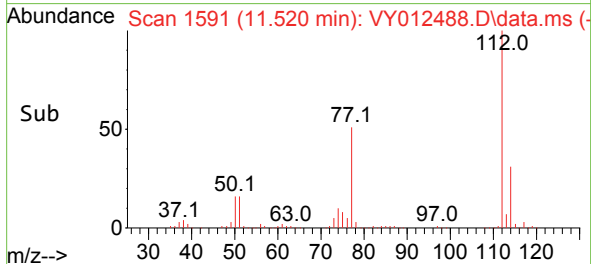
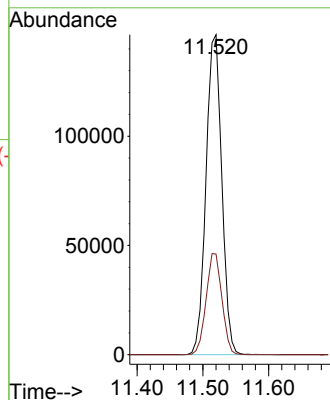
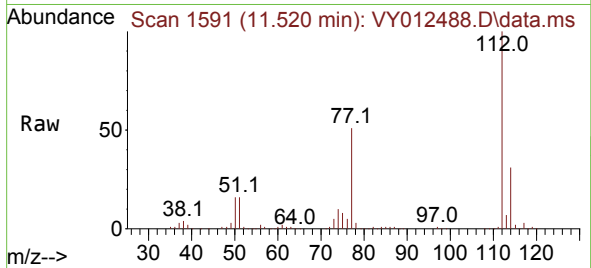




#65  
Chlorobenzene  
Concen: 54.421 ug/l  
RT: 11.520 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

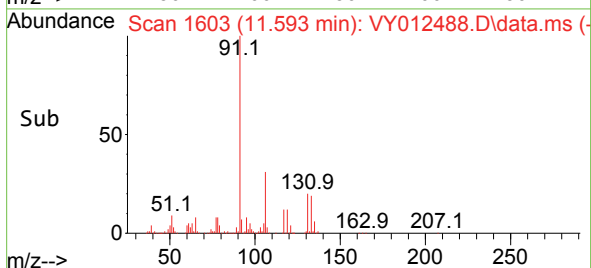
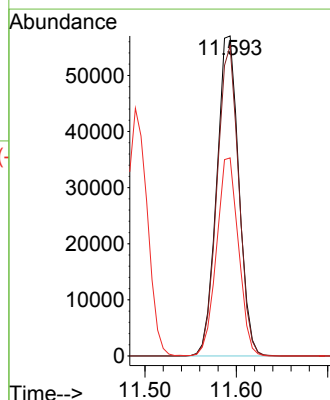
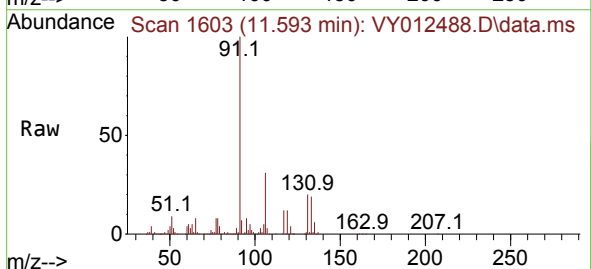
Instrument :  
MSVOA\_Y  
ClientSampleId :

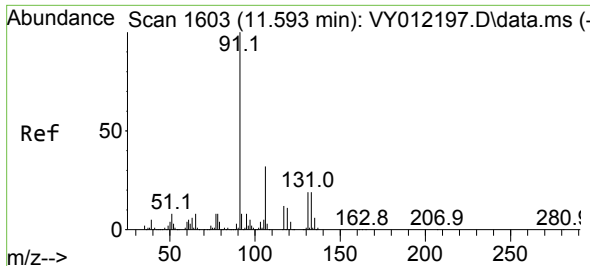
Tgt Ion:112 Resp: 244212  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 56.677 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion:131 Resp: 95999  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.3 142.0  
119 61.6 32.1 96.3





#67

Ethyl Benzene

Concen: 53.940 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

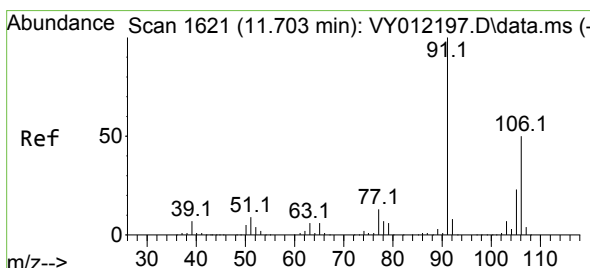
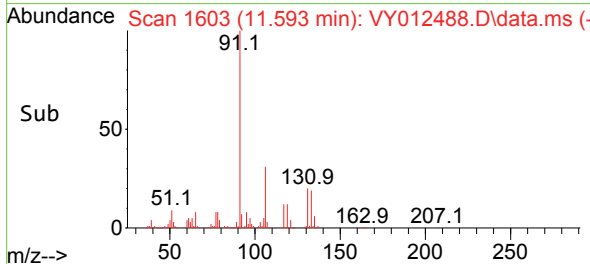
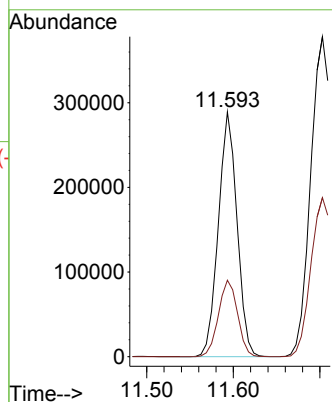
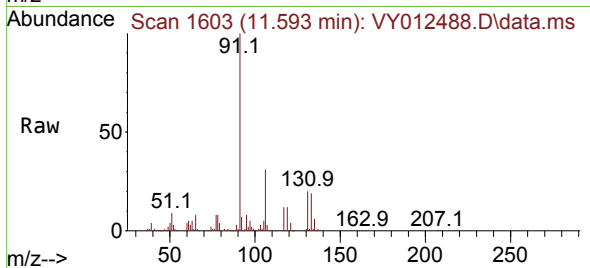
ClientSampleId :

Tgt Ion: 91 Resp: 432595

Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.4



#68

m/p-Xylenes

Concen: 108.113 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY012488.D

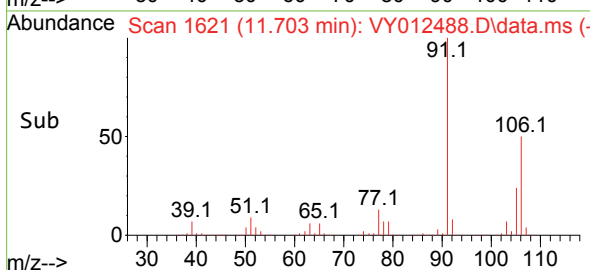
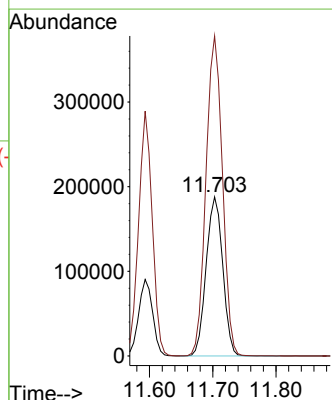
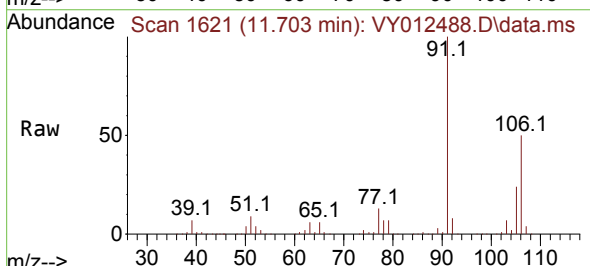
Acq: 03 Feb 2023 19:30

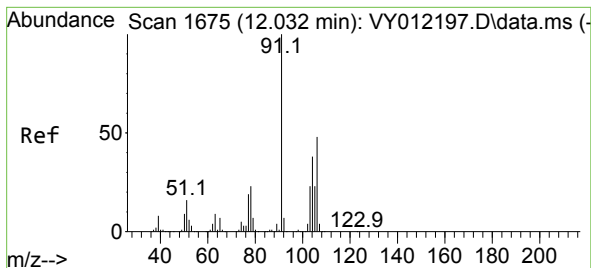
Tgt Ion:106 Resp: 342819

Ion Ratio Lower Upper

106 100

91 199.3 162.5 243.7





#69

o-Xylene

Concen: 54.435 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.006 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

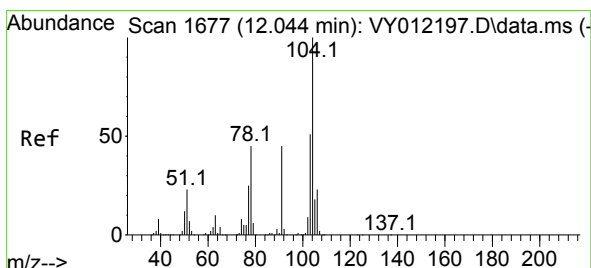
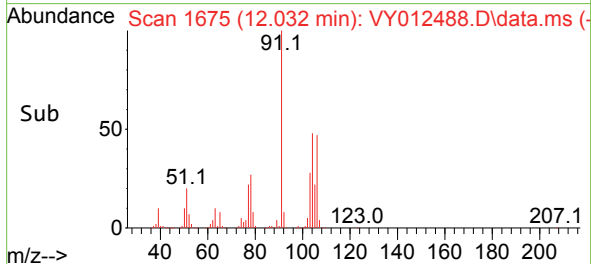
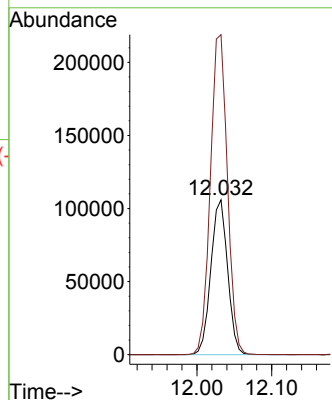
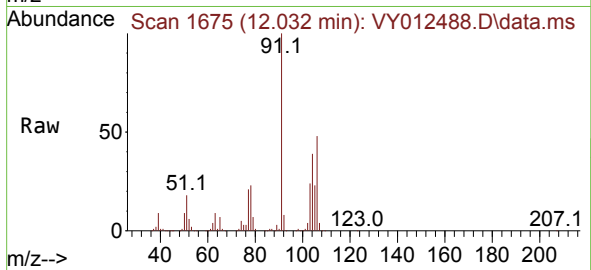
ClientSampleId :

Tgt Ion:106 Resp: 164869

Ion Ratio Lower Upper

106 100

91 210.2 107.5 322.4



#70

Styrene

Concen: 55.817 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

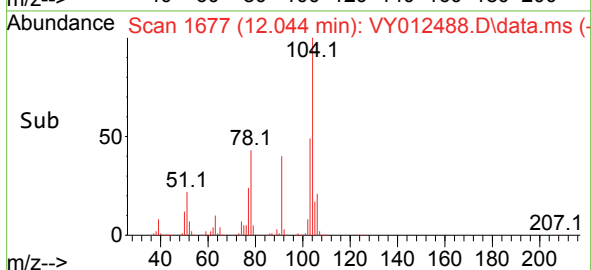
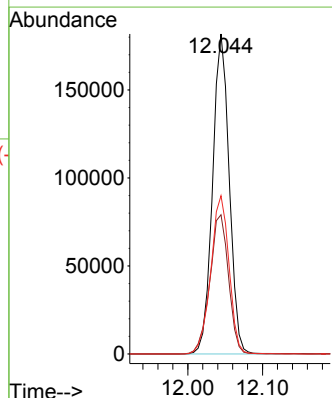
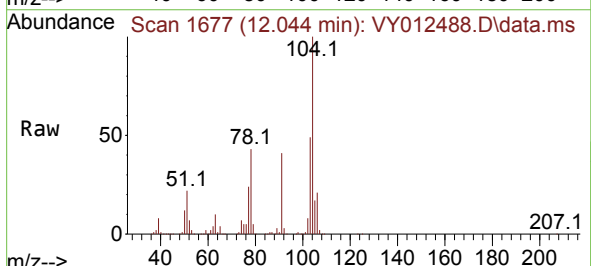
Tgt Ion:104 Resp: 282462

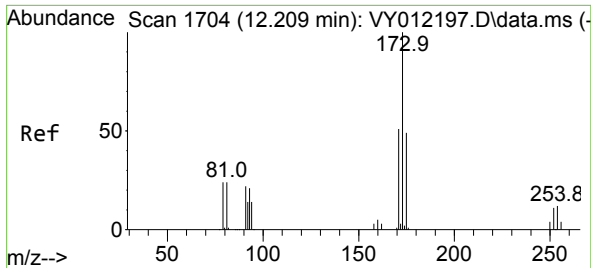
Ion Ratio Lower Upper

104 100

78 48.8 39.4 59.0

103 54.1 43.0 64.4

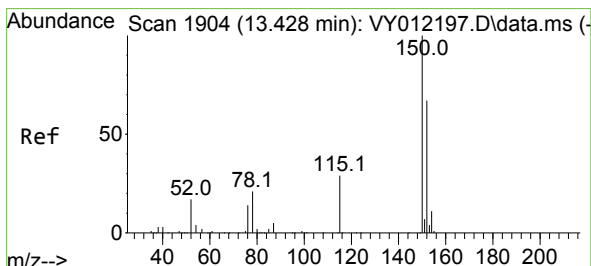
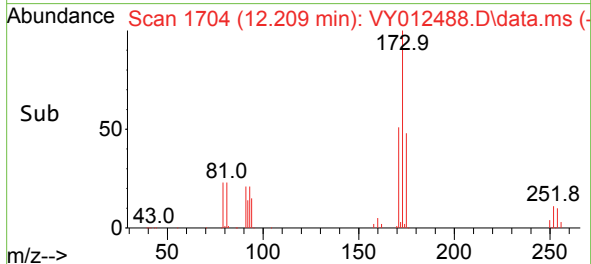
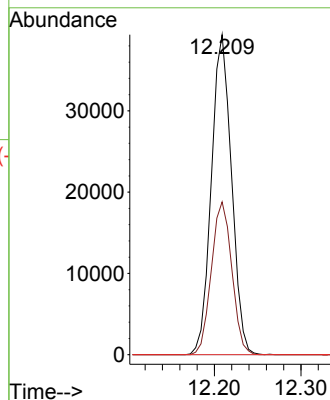
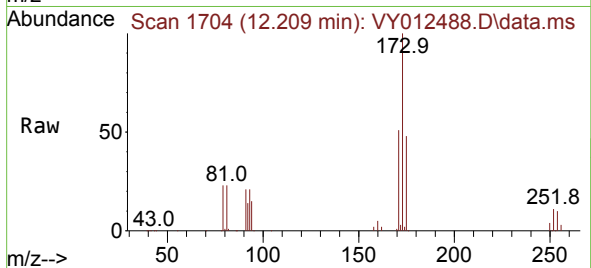




#71  
Bromoform  
Concen: 58.768 ug/l  
RT: 12.209 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

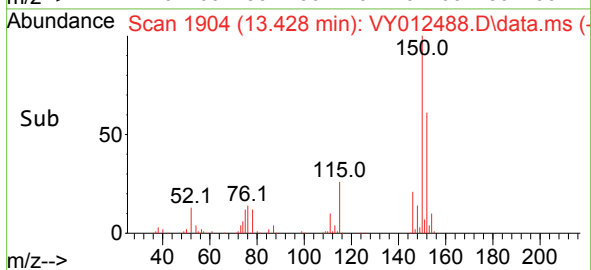
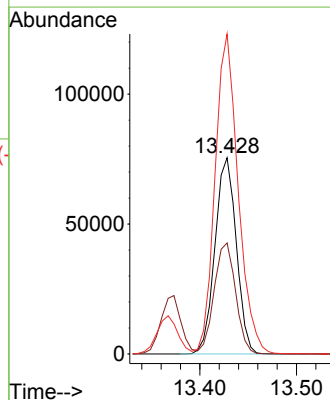
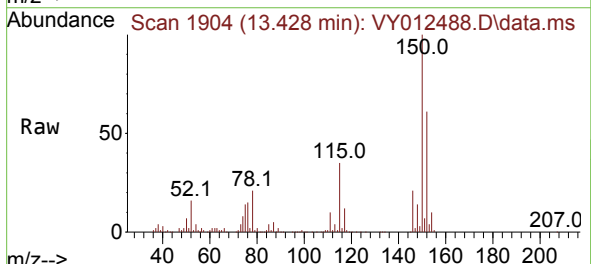
Instrument :  
MSVOA\_Y  
ClientSampleId :

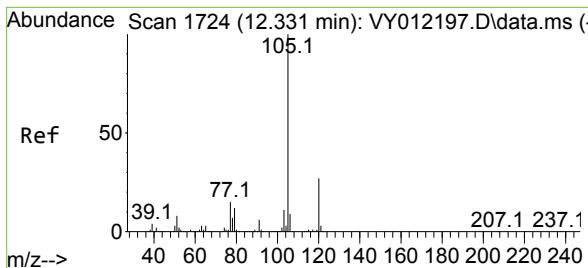
Tgt Ion:173 Resp: 63596  
Ion Ratio Lower Upper  
173 100  
175 48.4 23.8 71.5  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion:152 Resp: 115668  
Ion Ratio Lower Upper  
152 100  
115 57.0 29.1 87.3  
150 176.6 0.0 342.6





#73

Isopropylbenzene

Concen: 53.271 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

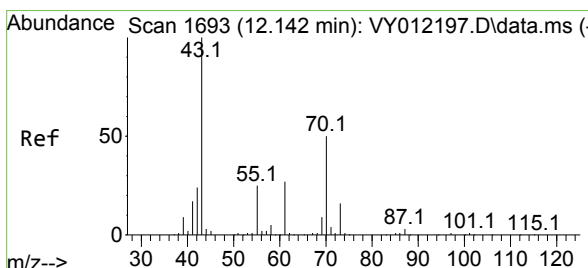
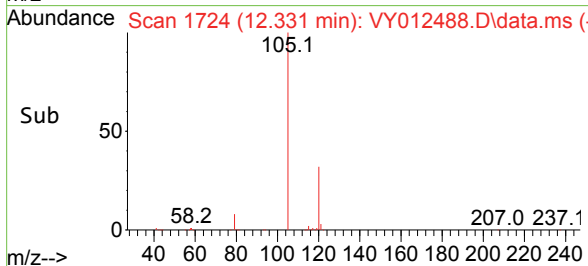
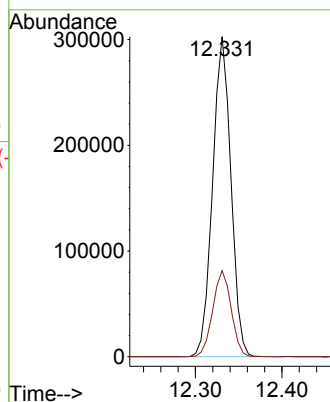
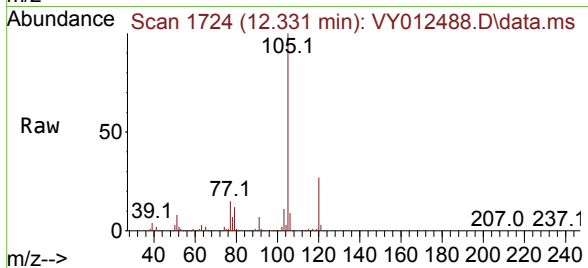
ClientSampleId :

Tgt Ion:105 Resp: 444318

Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.6



#74

N-ethyl acetate

Concen: 53.073 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Tgt Ion: 43 Resp: 86775

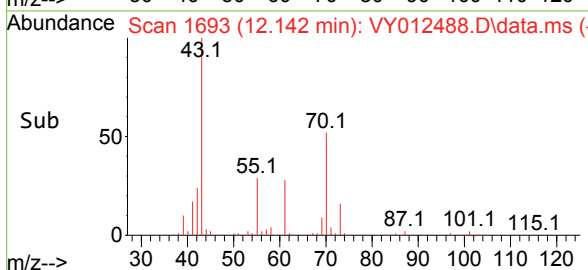
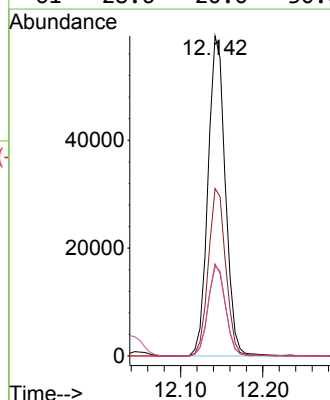
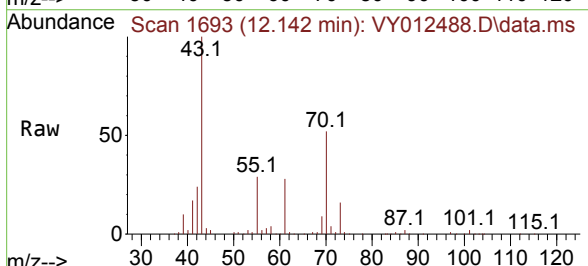
Ion Ratio Lower Upper

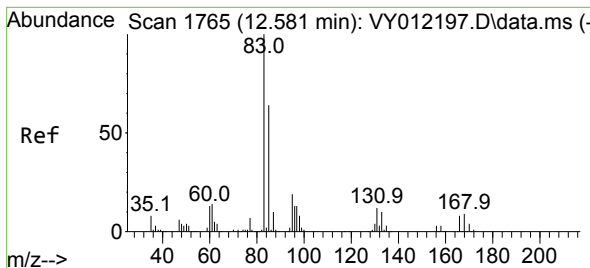
43 100

70 52.7 35.8 53.8

55 28.9 21.0 31.4

61 28.6 20.0 30.0

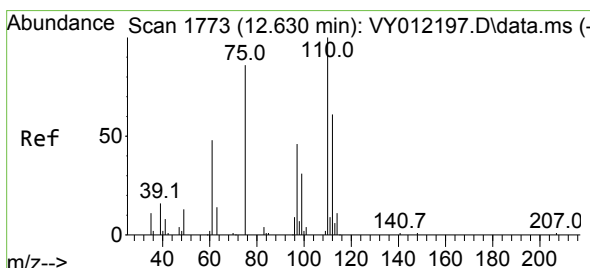
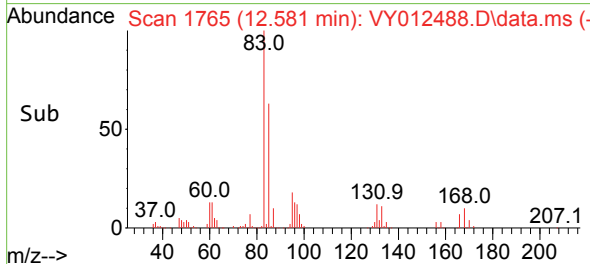
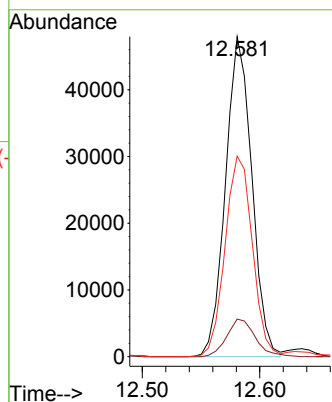
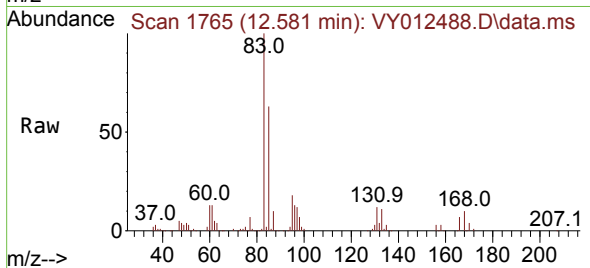




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 56.804 ug/l  
 RT: 12.581 min Scan# 1765  
 Delta R.T. -0.000 min  
 Lab File: VY012488.D  
 Acq: 03 Feb 2023 19:30

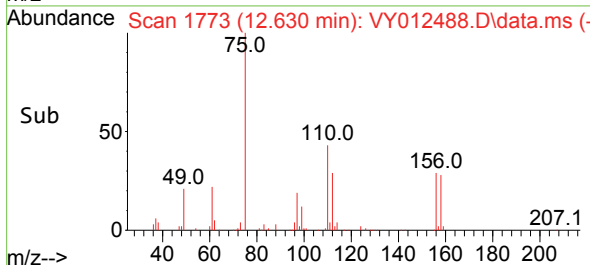
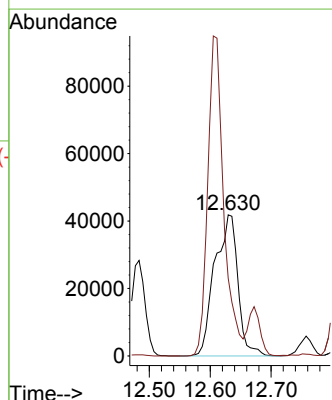
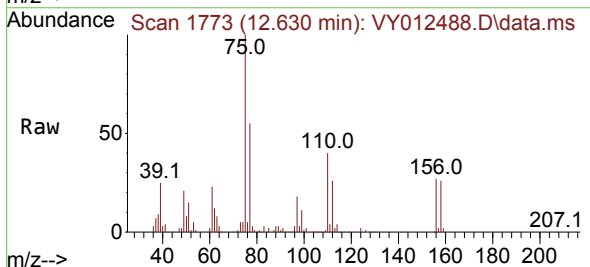
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

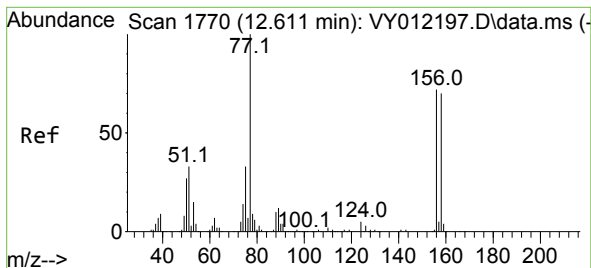
Tgt Ion: 83 Resp: 74626  
 Ion Ratio Lower Upper  
 83 100  
 131 12.7 5.6 16.8  
 85 64.9 32.3 96.8



#76  
 1,2,3-Trichloropropane  
 Concen: 103.924 ug/l  
 RT: 12.630 min Scan# 1773  
 Delta R.T. -0.000 min  
 Lab File: VY012488.D  
 Acq: 03 Feb 2023 19:30

Tgt Ion: 75 Resp: 110535  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 53.662 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

ClientSampleId :

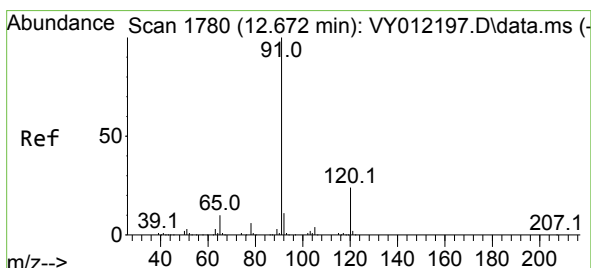
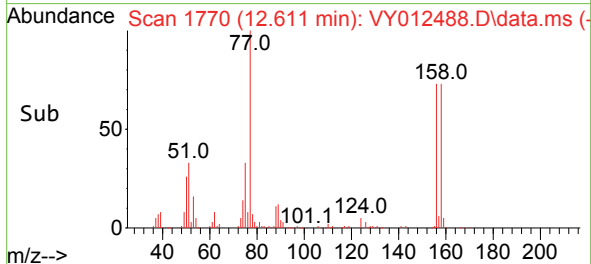
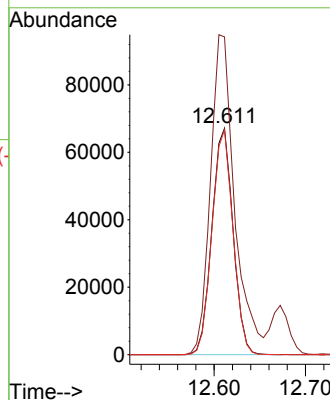
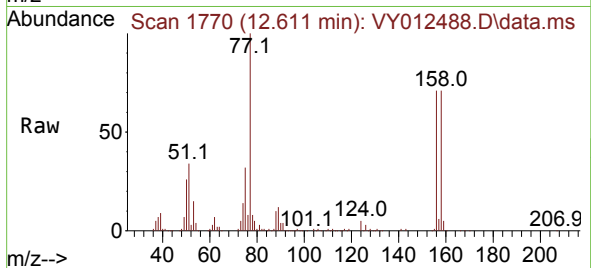
Tgt Ion:156 Resp: 107701

Ion Ratio Lower Upper

156 100

77 161.4 90.0 270.0

158 98.5 48.4 145.2



#78

n-propylbenzene

Concen: 52.345 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY012488.D

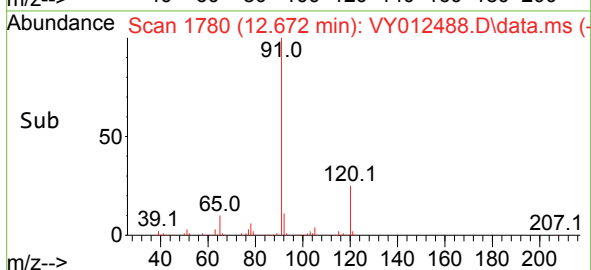
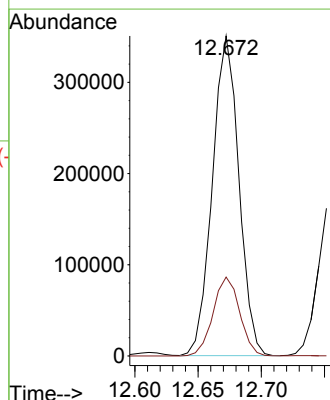
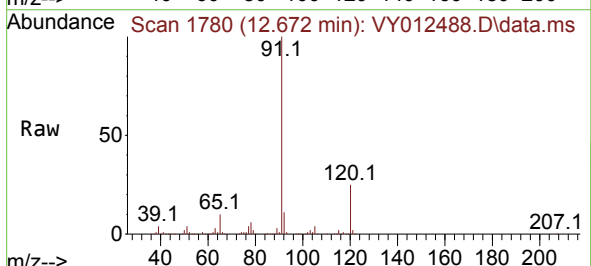
Acq: 03 Feb 2023 19:30

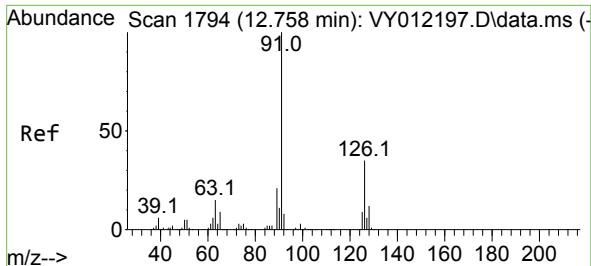
Tgt Ion: 91 Resp: 510893

Ion Ratio Lower Upper

91 100

120 24.7 11.8 35.4

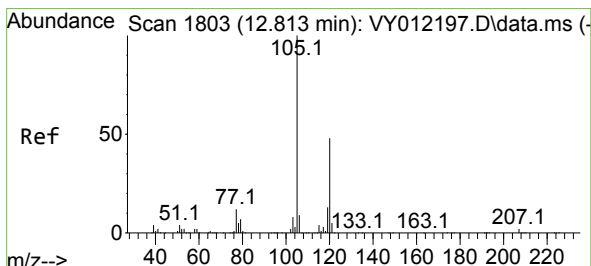
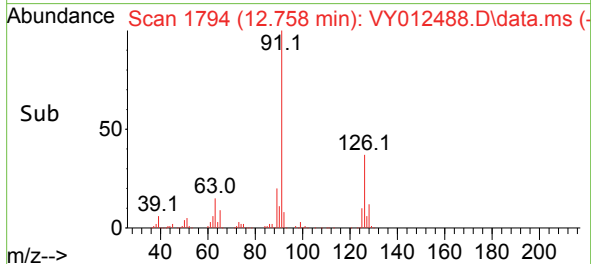
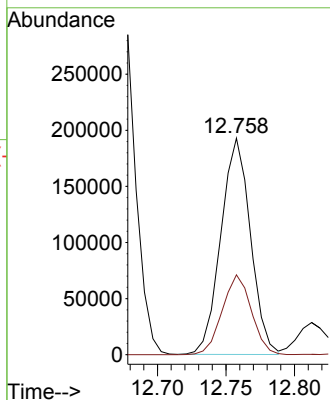
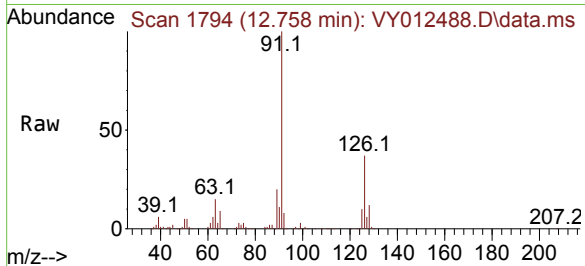




#79  
2-Chlorotoluene  
Concen: 52.570 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

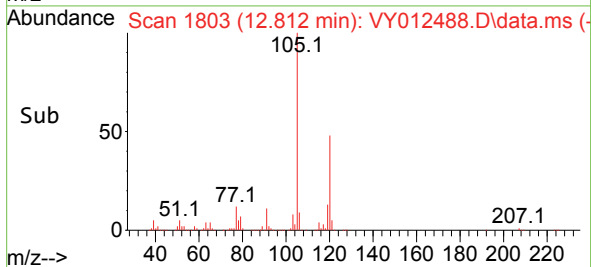
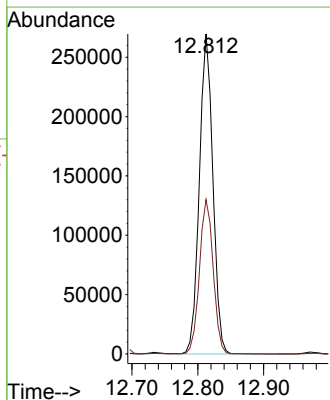
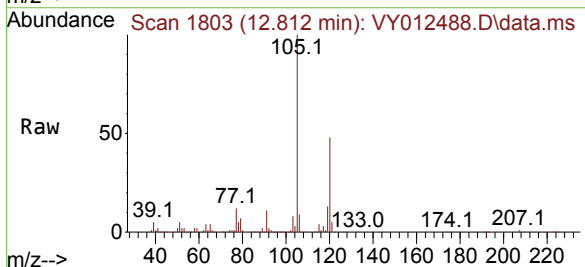
Instrument :  
MSVOA\_Y  
ClientSampleId :

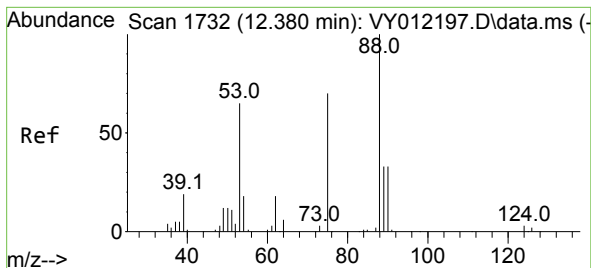
Tgt Ion: 91 Resp: 290100  
Ion Ratio Lower Upper  
91 100  
126 36.3 17.2 51.5



#80  
1,3,5-Trimethylbenzene  
Concen: 53.130 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.001 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion: 105 Resp: 385230  
Ion Ratio Lower Upper  
105 100  
120 49.1 24.2 72.6

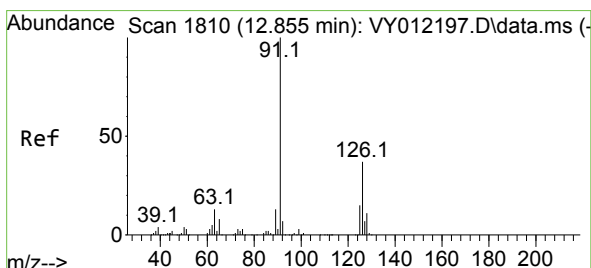
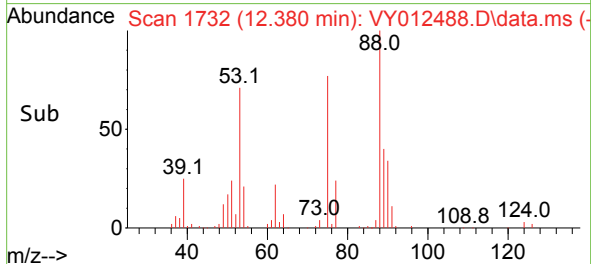
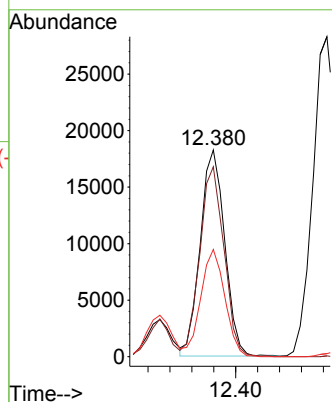
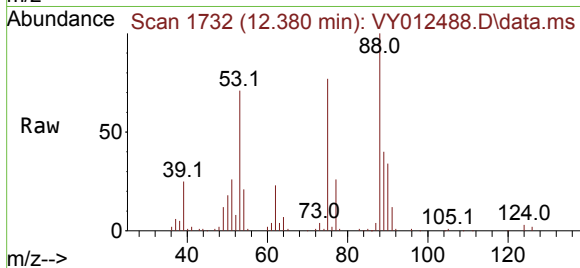




#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.655 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. 0.006 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

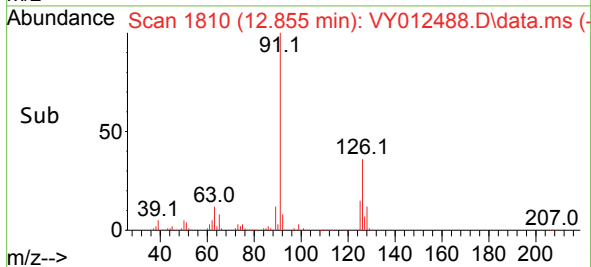
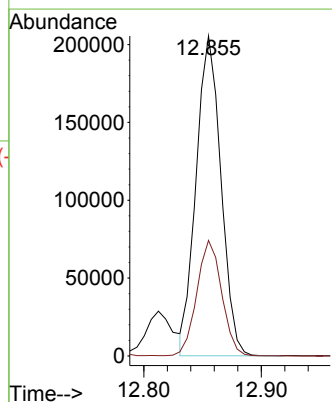
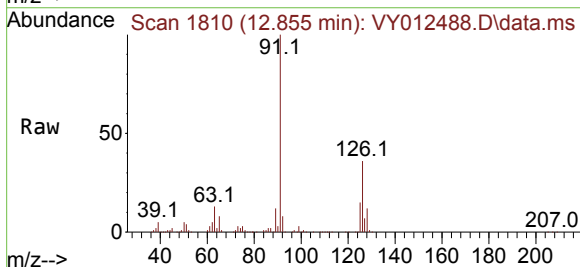
Instrument :  
MSVOA\_Y  
ClientSampleId :

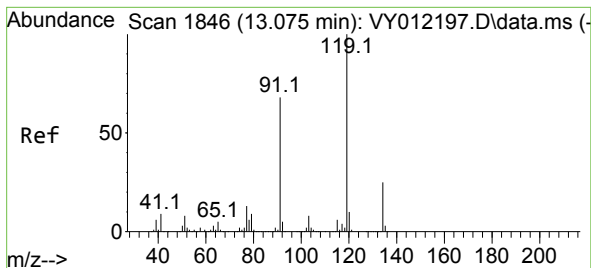
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 91.7  | 72.5  | 108.7 |
| 89      | 51.5  | 37.0  | 55.4  |



#82  
4-Chlorotoluene  
Concen: 51.918 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 36.4  | 17.1  | 51.2  |





#83

tert-Butylbenzene

Concen: 52.873 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

ClientSampleId :

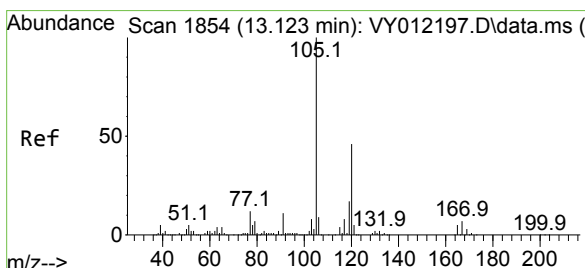
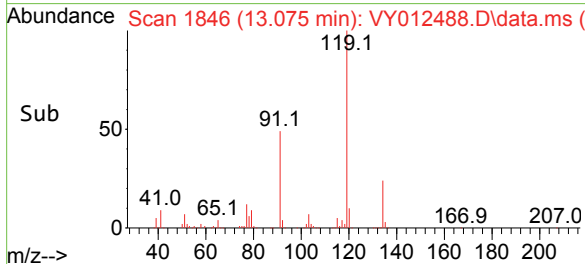
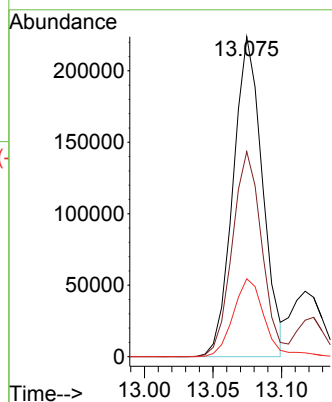
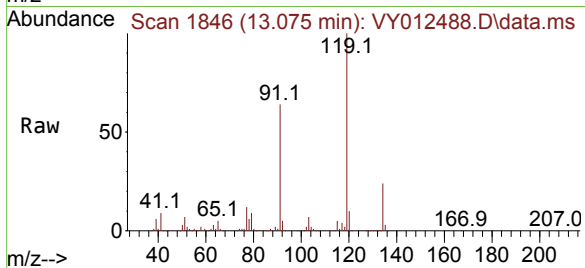
Tgt Ion:119 Resp: 334127

Ion Ratio Lower Upper

119 100

91 65.0 32.3 96.8

134 25.9 13.0 39.0



#84

1,2,4-Trimethylbenzene

Concen: 53.638 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY012488.D

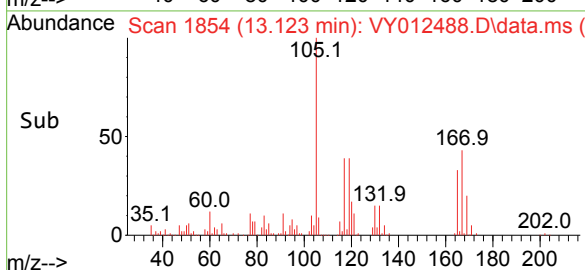
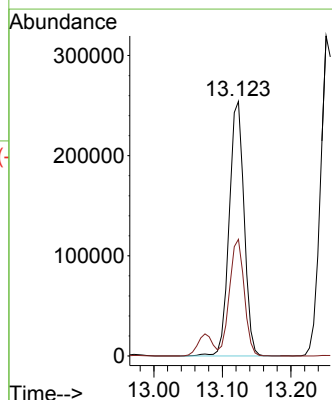
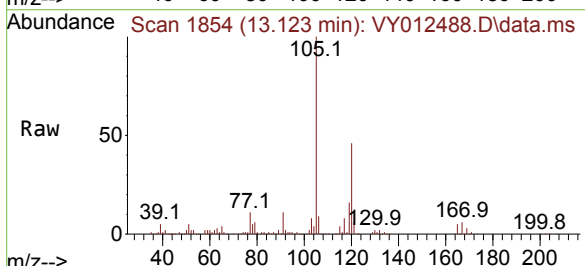
Acq: 03 Feb 2023 19:30

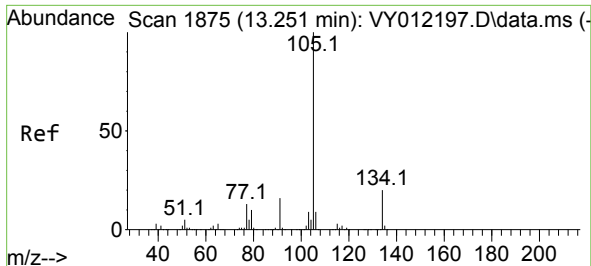
Tgt Ion:105 Resp: 383538

Ion Ratio Lower Upper

105 100

120 45.5 22.9 68.7

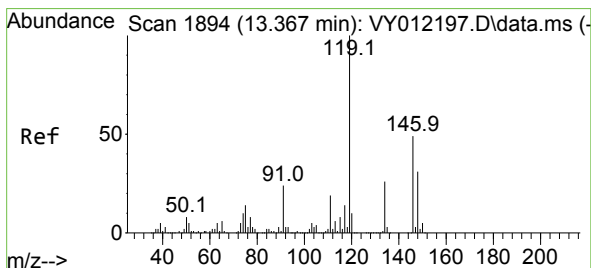
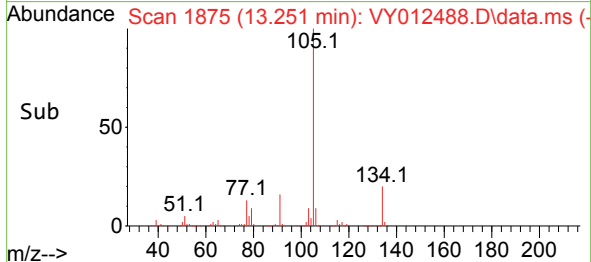
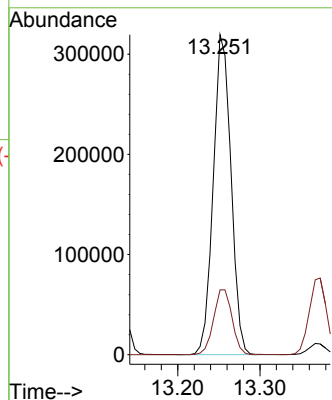
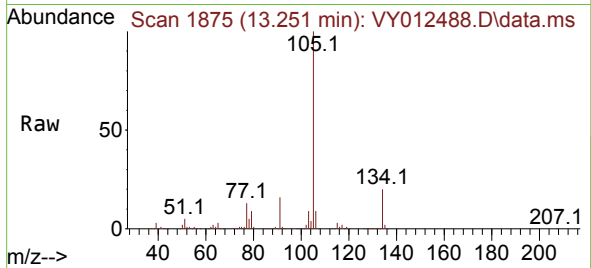




#85  
 sec-Butylbenzene  
 Concen: 53.340 ug/l  
 RT: 13.251 min Scan# 1875  
 Delta R.T. 0.000 min  
 Lab File: VY012488.D  
 Acq: 03 Feb 2023 19:30

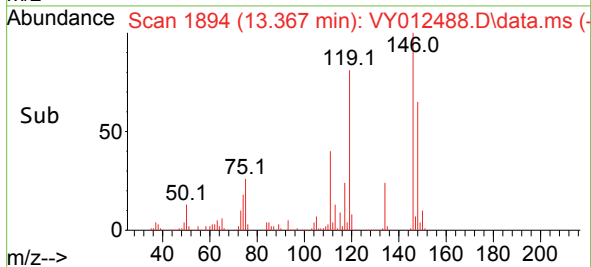
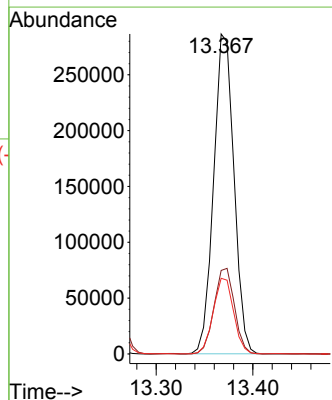
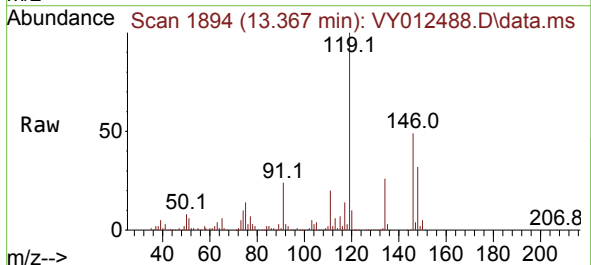
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

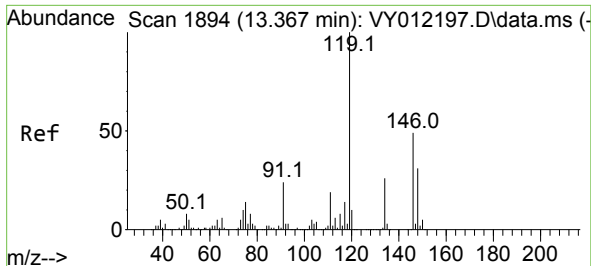
Tgt Ion:105 Resp: 479925  
 Ion Ratio Lower Upper  
 105 100  
 134 21.2 10.1 30.3



#86  
 p-Isopropyltoluene  
 Concen: 53.213 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. 0.000 min  
 Lab File: VY012488.D  
 Acq: 03 Feb 2023 19:30

Tgt Ion:119 Resp: 418309  
 Ion Ratio Lower Upper  
 119 100  
 134 26.8 13.0 39.0  
 91 23.7 11.9 35.9

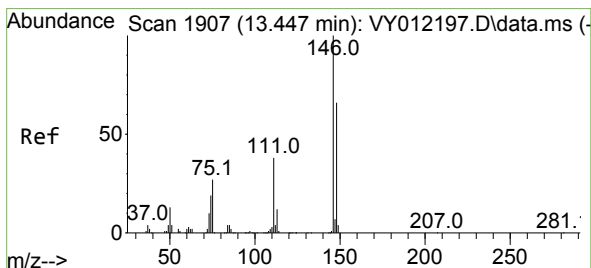
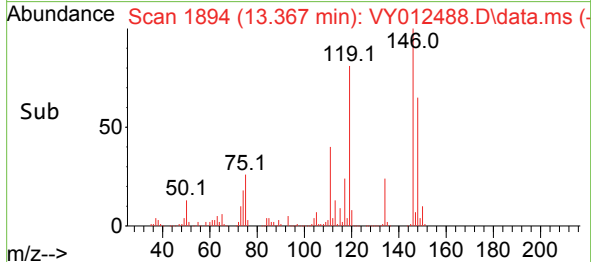
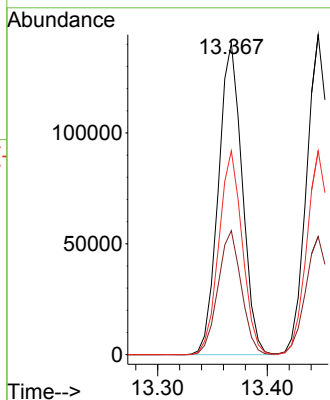
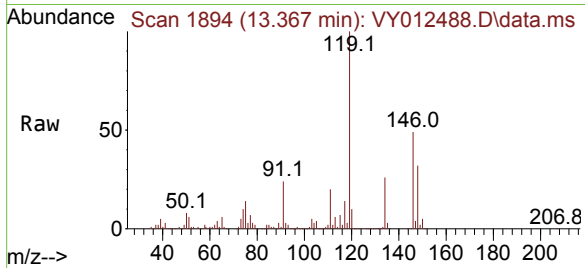




#87  
1,3-Dichlorobenzene  
Concen: 53.118 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. 0.000 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

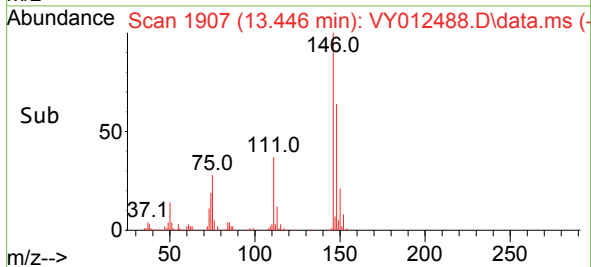
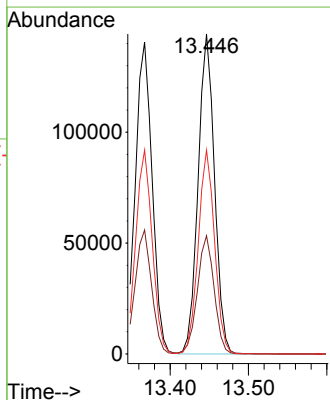
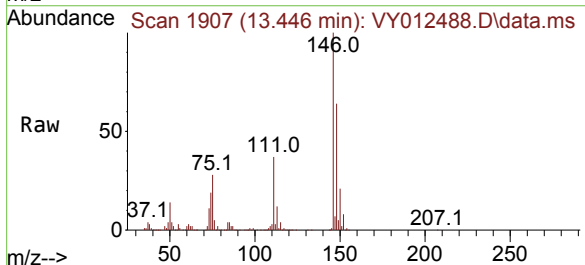
Instrument :  
MSVOA\_Y  
ClientSampleId :

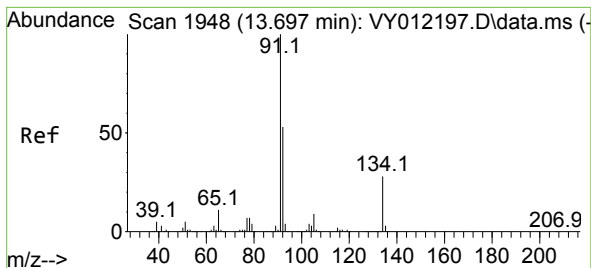
Tgt Ion:146 Resp: 212030  
Ion Ratio Lower Upper  
146 100  
111 39.2 19.7 59.0  
148 64.5 32.0 96.0



#88  
1,4-Dichlorobenzene  
Concen: 52.819 ug/l  
RT: 13.446 min Scan# 1907  
Delta R.T. -0.001 min  
Lab File: VY012488.D  
Acq: 03 Feb 2023 19:30

Tgt Ion:146 Resp: 210264  
Ion Ratio Lower Upper  
146 100  
111 37.6 19.6 58.7  
148 63.6 31.9 95.7





#89

n-Butylbenzene

Concen: 52.776 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.001 min

Lab File: VY012488.D

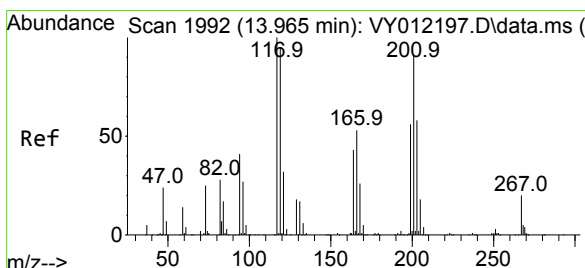
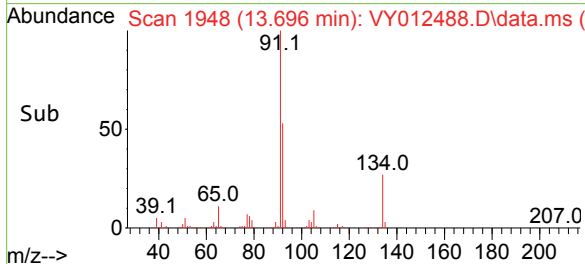
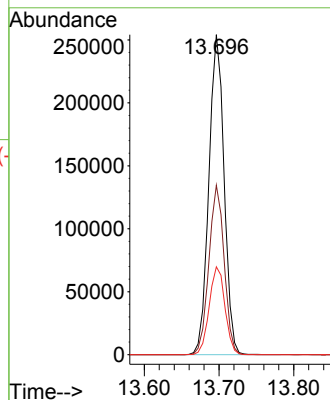
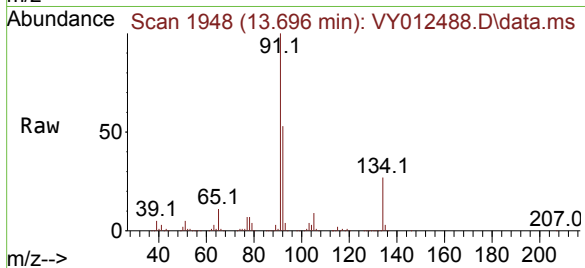
Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 359536 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 53.1  | 26.8  | 80.4   |
| 134      | 28.3  | 13.3  | 39.8   |



#90

Hexachloroethane

Concen: 53.782 ug/l

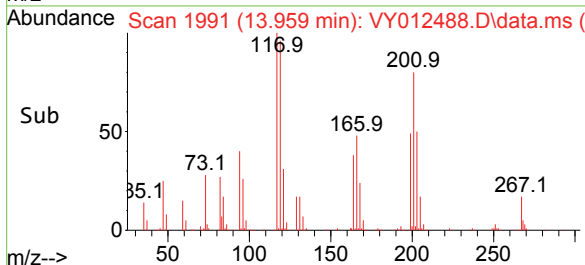
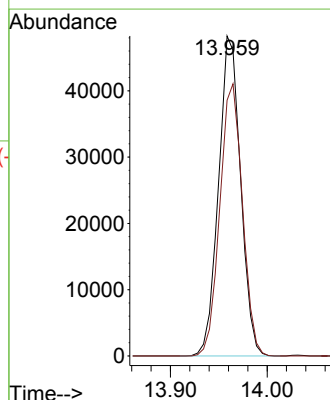
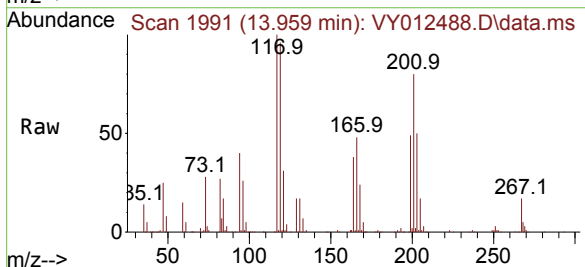
RT: 13.959 min Scan# 1991

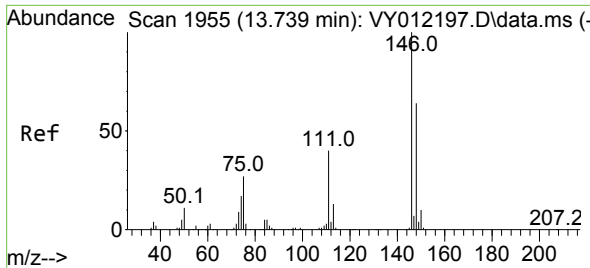
Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 76324 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 87.0  | 40.3  | 120.8 |

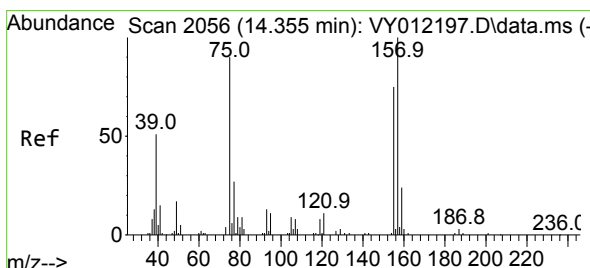
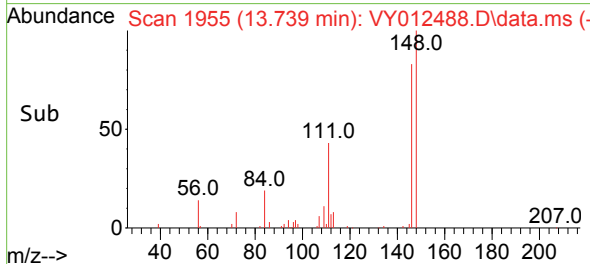
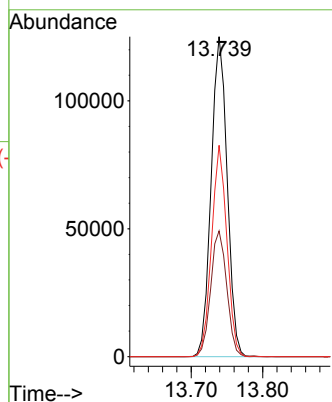
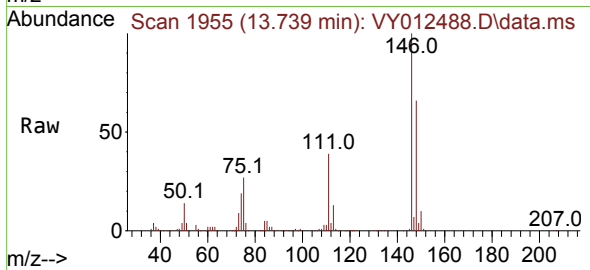




#91  
 1,2-Dichlorobenzene  
 Concen: 54.476 ug/l  
 RT: 13.739 min Scan# 1955  
 Delta R.T. 0.000 min  
 Lab File: VY012488.D  
 Acq: 03 Feb 2023 19:30

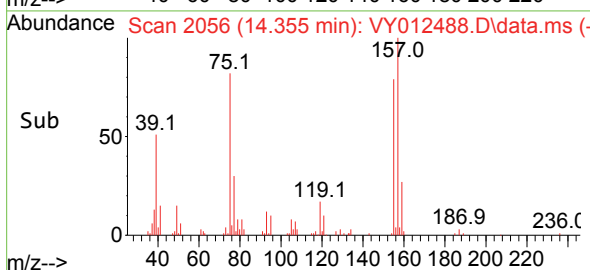
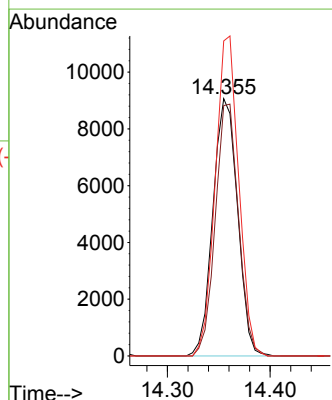
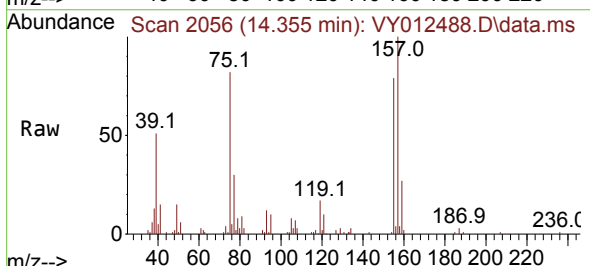
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

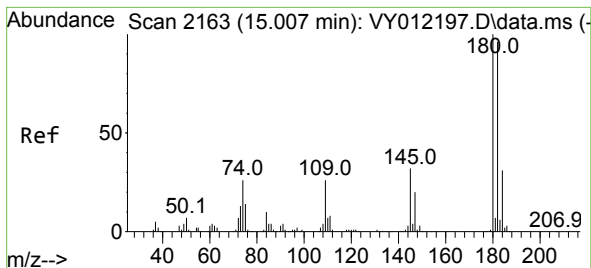
Tgt Ion:146 Resp: 194030  
 Ion Ratio Lower Upper  
 146 100  
 111 39.5 20.3 60.8  
 148 63.2 31.8 95.4



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 55.587 ug/l  
 RT: 14.355 min Scan# 2056  
 Delta R.T. -0.000 min  
 Lab File: VY012488.D  
 Acq: 03 Feb 2023 19:30

Tgt Ion: 75 Resp: 15092  
 Ion Ratio Lower Upper  
 75 100  
 155 92.3 42.3 126.8  
 157 118.3 54.4 163.3





#93

1,2,4-Trichlorobenzene

Concen: 53.360 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

ClientSampleId :

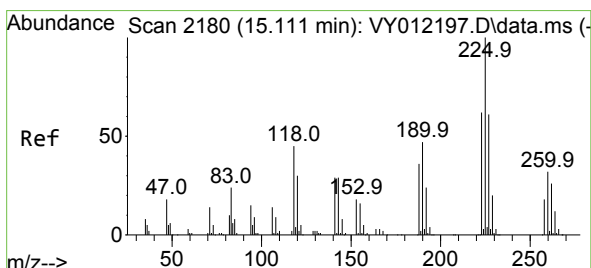
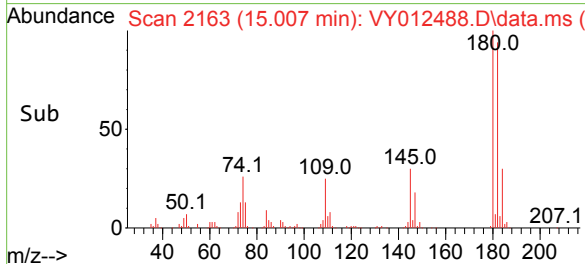
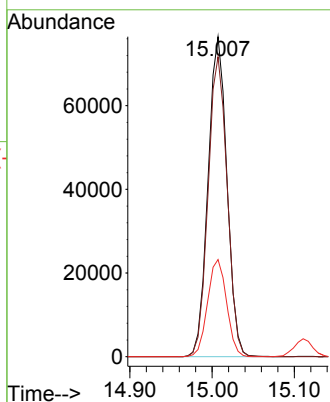
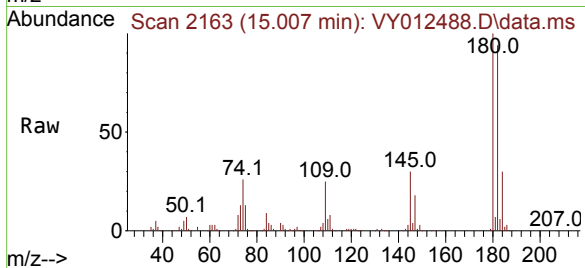
Tgt Ion:180 Resp: 121777

Ion Ratio Lower Upper

180 100

182 94.6 48.1 144.3

145 30.6 15.4 46.4



#94

Hexachlorobutadiene

Concen: 53.470 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

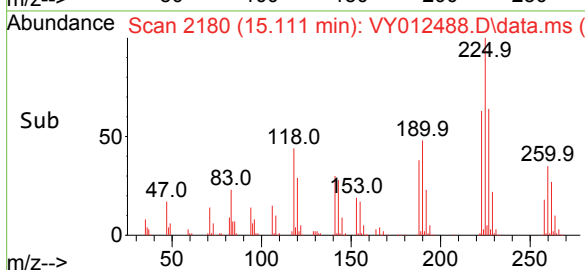
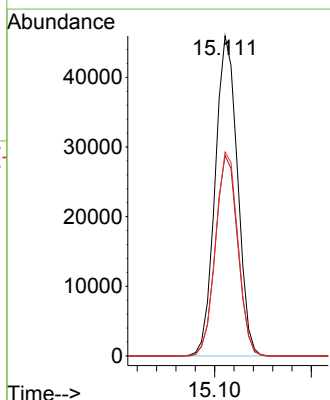
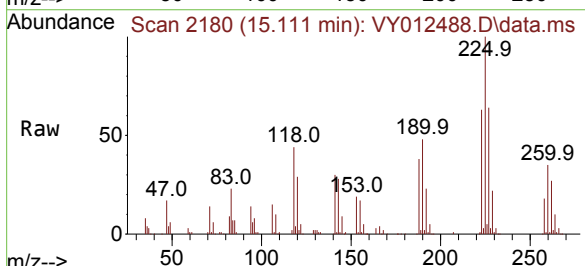
Tgt Ion:225 Resp: 73471

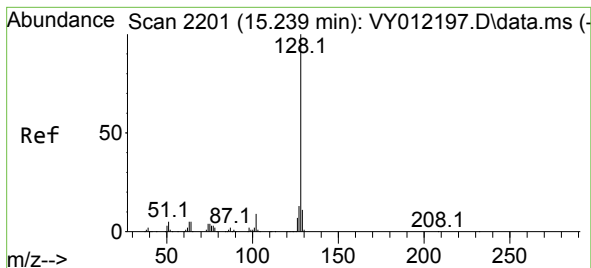
Ion Ratio Lower Upper

225 100

223 62.9 31.4 94.2

227 64.0 32.6 97.8





#95

Naphthalene

Concen: 56.795 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Instrument :

MSVOA\_Y

ClientSampleId :

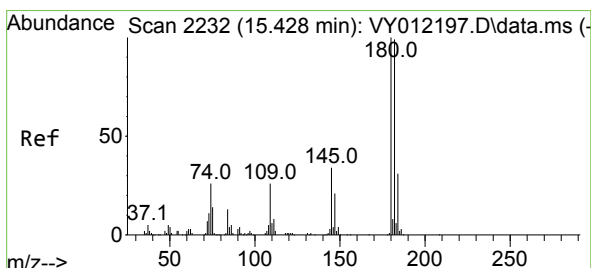
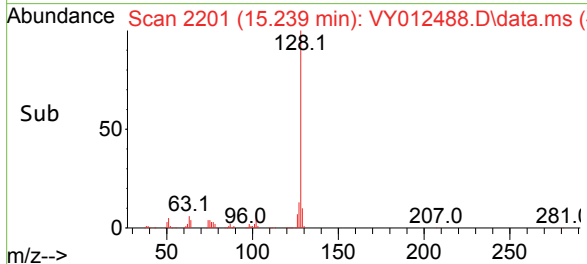
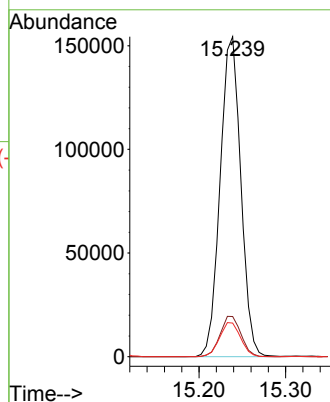
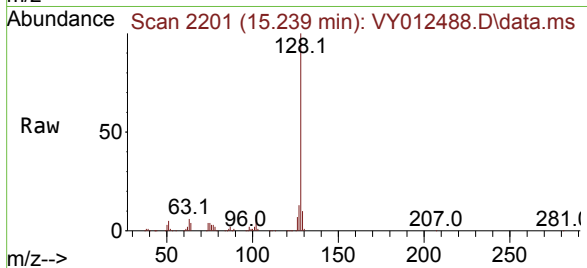
Tgt Ion:128 Resp: 255832

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.9 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 55.241 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY012488.D

Acq: 03 Feb 2023 19:30

Tgt Ion:180 Resp: 108486

Ion Ratio Lower Upper

180 100

182 94.8 47.9 143.7

145 32.2 16.1 48.2

