

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091523\  
 Data File : VY015606.D  
 Acq On : 16 Sep 2023 06:41  
 Operator : SY/MD  
 Sample : 04419-15MS  
 Misc : 5.40g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 16 07:03:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 31 20:01:47 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 193015   | 50.000 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 8.703  | 114  | 330835   | 50.000 | ug/l  | 0.02     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 295330   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 144271   | 50.000 | ug/l  | 0.01     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 91539    | 44.241   | ug/l | 0.02    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 88.480% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 84339    | 44.260   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.520% |
| 50) Toluene-d8              | 10.191 | 98    | 279027   | 40.435   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 80.860% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 108359   | 42.298   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 84.600% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.912 | 85  | 62367  | 37.172  | ug/l   | 97  |
| 3) Chloromethane             | 2.119 | 50  | 94608  | 42.459  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.260 | 62  | 109866 | 42.361  | ug/l   | 94  |
| 5) Bromomethane              | 2.650 | 94  | 85738  | 46.460  | ug/l   | 99  |
| 6) Chloroethane              | 2.796 | 64  | 78448  | 46.018  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 164751 | 44.908  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.540 | 74  | 64060  | 51.094  | ug/l   | 88  |
| 9) 1,1,2-Trichlorotrifluo... | 3.912 | 101 | 98038  | 48.215  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.101 | 142 | 119004 | 49.838  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 4.972 | 59  | 98657  | 211.863 | ug/l # | 80  |
| 12) 1,1-Dichloroethene       | 3.881 | 96  | 93809  | 48.892  | ug/l   | 93  |
| 13) Acrolein                 | 3.741 | 56  | 58835  | 109.231 | ug/l   | 100 |
| 14) Allyl chloride           | 4.491 | 41  | 153733 | 50.324  | ug/l   | 96  |
| 15) Acrylonitrile            | 5.174 | 53  | 212197 | 268.968 | ug/l   | 98  |
| 16) Acetone                  | 3.960 | 43  | 239362 | 277.158 | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.204 | 76  | 267189 | 46.580  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.491 | 43  | 216980 | 69.365  | ug/l   | 93  |
| 19) Methyl tert-butyl Ether  | 5.235 | 73  | 326282 | 52.322  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.735 | 84  | 137839 | 49.751  | ug/l   | 90  |
| 21) trans-1,2-Dichloroethene | 5.235 | 96  | 108194 | 48.969  | ug/l   | 98  |
| 22) Diisopropyl ether        | 6.137 | 45  | 337748 | 50.552  | ug/l # | 86  |
| 23) Vinyl Acetate            | 6.076 | 43  | 354566 | 84.052  | ug/l   | 95  |
| 24) 1,1-Dichloroethane       | 6.033 | 63  | 197060 | 51.022  | ug/l   | 96  |
| 25) 2-Butanone               | 6.996 | 43  | 336314 | 274.562 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 6.996 | 77  | 140164 | 42.728  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.003 | 96  | 127110 | 50.713  | ug/l   | 93  |
| 28) Bromochloromethane       | 7.350 | 49  | 50453  | 42.598  | ug/l   | 96  |
| 29) Tetrahydrofuran          | 7.362 | 42  | 211457 | 274.900 | ug/l   | 93  |
| 30) Chloroform               | 7.521 | 83  | 206336 | 50.820  | ug/l   | 96  |
| 31) Cyclohexane              | 7.801 | 56  | 174007 | 47.344  | ug/l   | 92  |
| 32) 1,1,1-Trichloroethane    | 7.716 | 97  | 185598 | 51.178  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.929 | 75  | 156856 | 46.880  | ug/l   | 100 |
| 37) Ethyl Acetate            | 7.088 | 43  | 121528 | 47.094  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 7.911 | 117 | 163462 | 47.302  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.191 | 83  | 200683 | 47.642  | ug/l   | 95  |
| 40) Benzene                  | 8.173 | 78  | 449378 | 48.139  | ug/l   | 98  |

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 Sample : 04419-15MS  
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 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 16 07:03:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 31 20:01:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.362  | 41   | 182440   | 150.763  | ug/l # | 29       |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 147860   | 47.500   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.283  | 43   | 222882   | 49.948   | ug/l   | 98       |
| 44) Trichloroethene           | 8.947  | 130  | 133312   | 50.474   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.228  | 63   | 115111   | 48.915   | ug/l   | 98       |
| 46) Dibromomethane            | 9.313  | 93   | 74982    | 47.968   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.508  | 83   | 162912   | 48.734   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.301  | 41   | 109219   | 53.346   | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 29579    | 1018.724 | ug/l # | 53       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 682613   | 263.192  | ug/l   | 94       |
| 52) Toluene                   | 10.252 | 92   | 287264   | 48.012   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 165904   | 46.698   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 180834   | 46.792   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 105489   | 50.084   | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 140020   | 44.861   | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.801 | 76   | 176711   | 48.739   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 241992   | 217.213  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.837 | 43   | 518056   | 266.202  | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.996 | 129  | 123515   | 50.102   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.099 | 107  | 105976   | 49.656   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.727 | 164  | 172276   | 64.268   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.526 | 112  | 306739   | 48.199   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 116832   | 50.157   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.599 | 91   | 552489   | 48.348   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.709 | 106  | 428588   | 96.759   | ug/l   | 95       |
| 69) o-Xylene                  | 12.038 | 106  | 209378   | 49.461   | ug/l   | 98       |
| 70) Styrene                   | 12.050 | 104  | 349080   | 49.043   | ug/l   | 97       |
| 71) Bromoform                 | 12.215 | 173  | 85112    | 52.381   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.337 | 105  | 549081   | 50.669   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.148 | 43   | 167271   | 45.944   | ug/l # | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 123841   | 47.872   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 176627   | 92.321   | ug/l # | 100      |
| 77) Bromobenzene              | 12.617 | 156  | 129284   | 50.371   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.678 | 91   | 644947   | 49.185   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 377324   | 51.304   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.819 | 105  | 516785   | 57.014   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 41882    | 48.290   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 369230   | 48.305   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.081 | 119  | 402894   | 50.748   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.130 | 105  | 607011   | 67.448   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.258 | 105  | 597863   | 50.489   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 490285   | 49.401   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 243297   | 48.016   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.453 | 146  | 239945   | 46.846   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.703 | 91   | 456895   | 48.913   | ug/l   | 93       |
| 90) Hexachloroethane          | 13.971 | 117  | 99122    | 55.844   | ug/l   | 85       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 228498   | 49.415   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 27440    | 53.621   | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 129311   | 44.529   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 73982    | 46.721   | ug/l   | 98       |
| 95) Naphthalene               | 15.239 | 128  | 400913   | 55.733   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 119564   | 45.139   | ug/l   | 98       |

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ALS Vial : 53 Sample Multiplier: 1

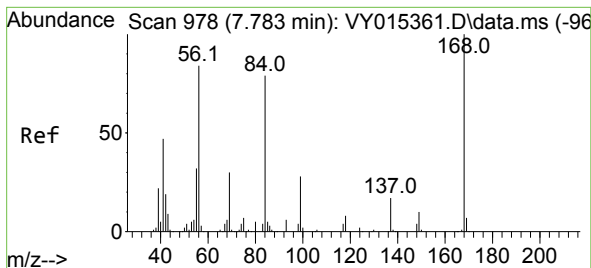
Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Sep 16 07:03:35 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 31 20:01:47 2023  
Response via : Initial Calibration

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 91

Delta R.T. 0.018 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

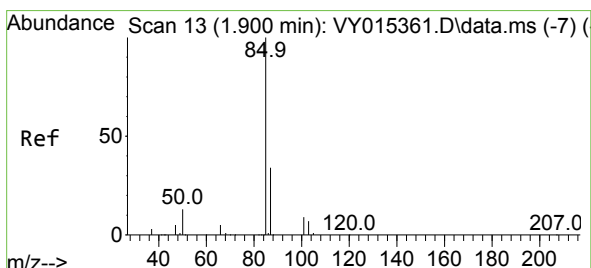
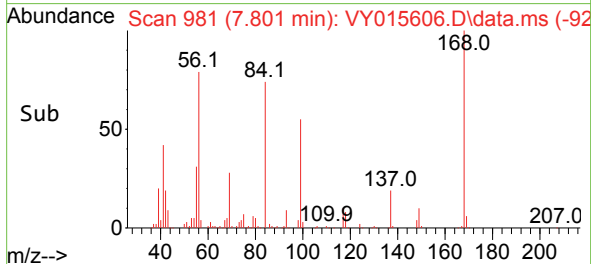
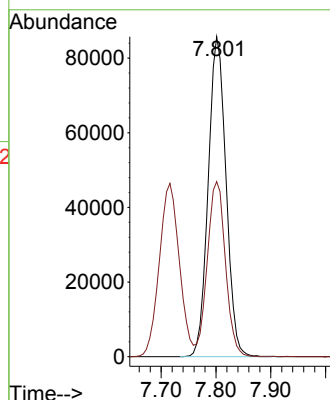
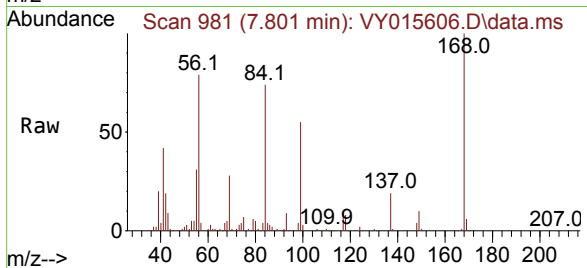
ClientSampleId :

Tgt Ion:168 Resp: 193015

Ion Ratio Lower Upper

168 100

99 54.7 43.4 65.0



#2

Dichlorodifluoromethane

Concen: 37.172 ug/l

RT: 1.912 min Scan# 15

Delta R.T. 0.012 min

Lab File: VY015606.D

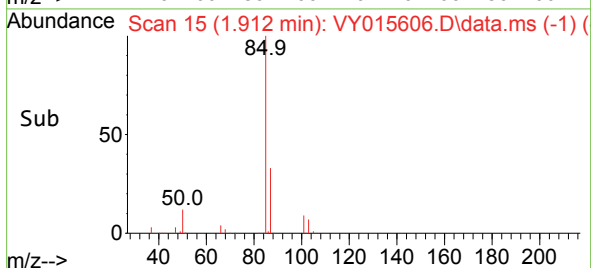
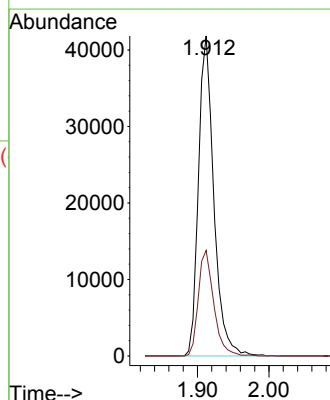
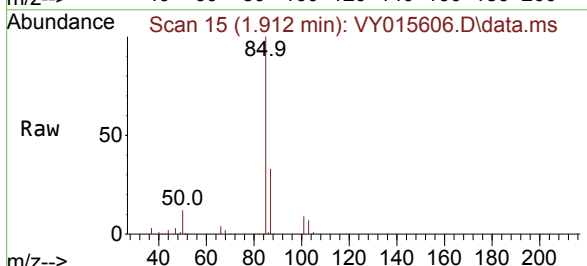
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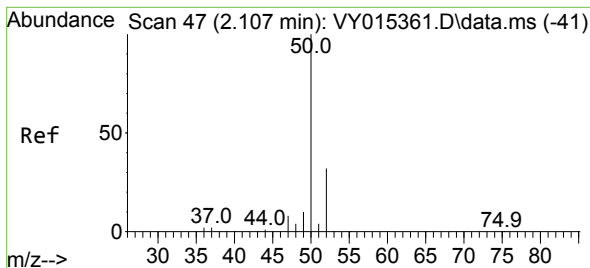
Tgt Ion: 85 Resp: 62367

Ion Ratio Lower Upper

85 100

87 33.0 15.6 46.8





#3

Chloromethane

Concen: 42.459 ug/l

RT: 2.119 min Scan# 49

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

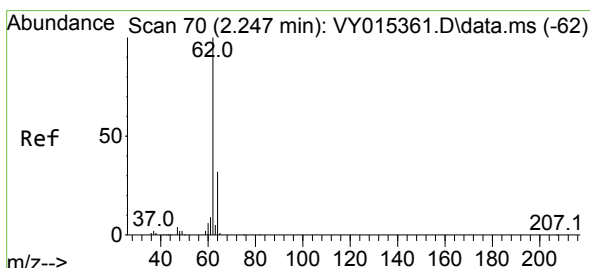
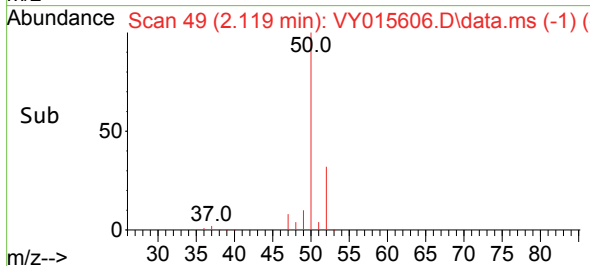
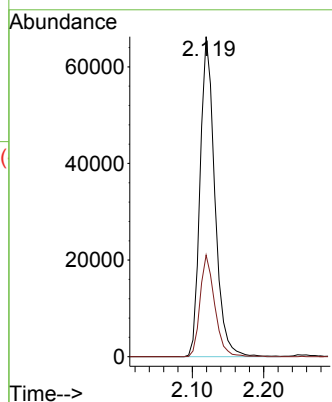
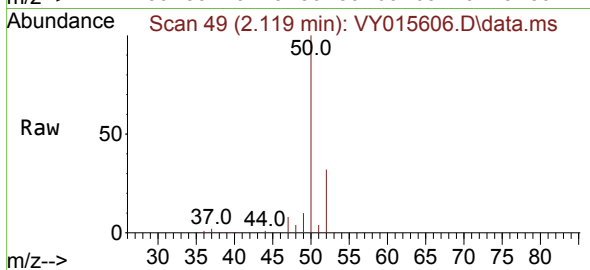
ClientSampleId :

Tgt Ion: 50 Resp: 94608

Ion Ratio Lower Upper

50 100

52 31.8 25.4 38.2



#4

Vinyl Chloride

Concen: 42.361 ug/l

RT: 2.260 min Scan# 72

Delta R.T. 0.018 min

Lab File: VY015606.D

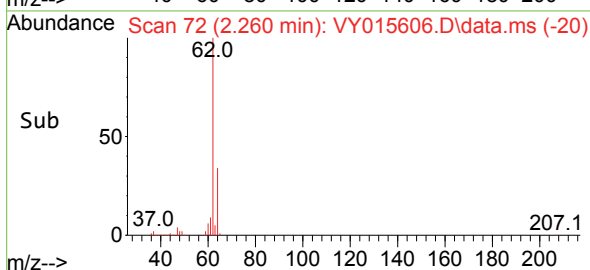
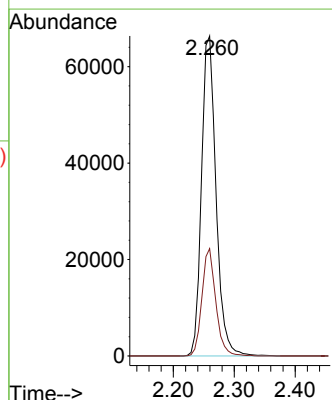
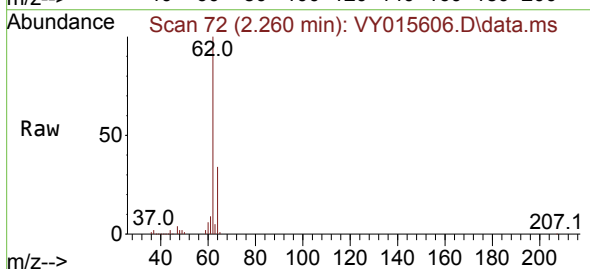
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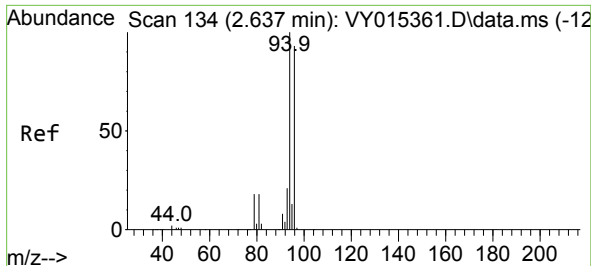
Tgt Ion: 62 Resp: 109866

Ion Ratio Lower Upper

62 100

64 33.5 24.3 36.5

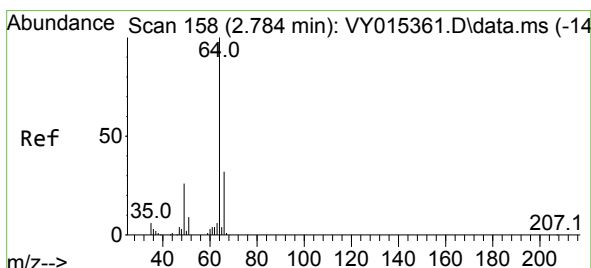
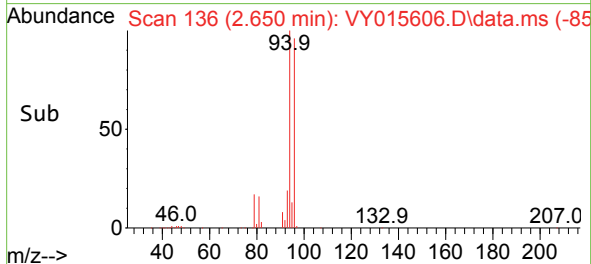
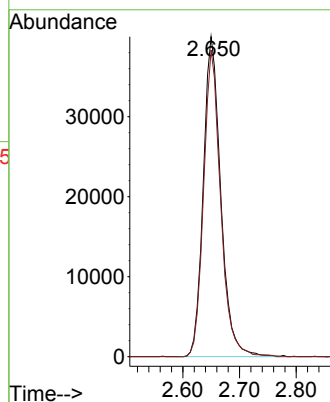
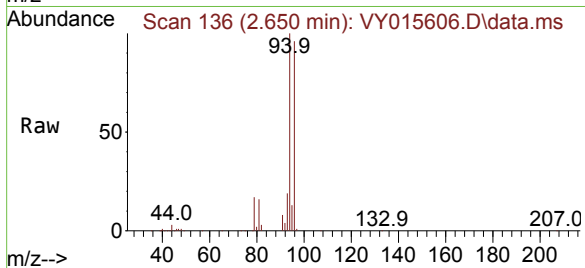




#5  
Bromomethane  
Concen: 46.460 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

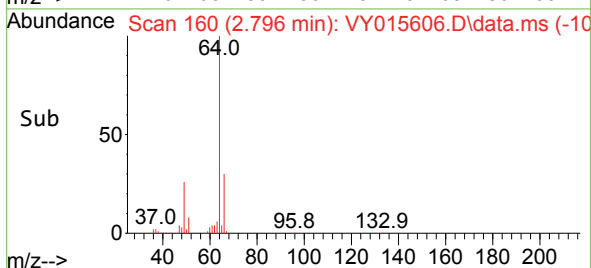
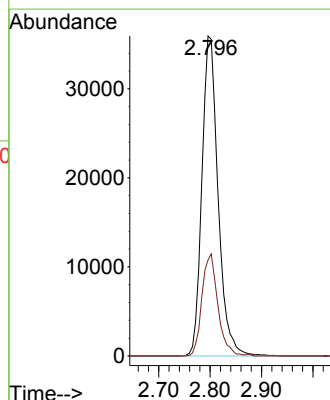
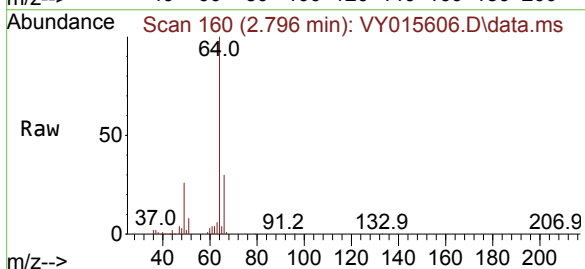
Instrument :  
MSVOA\_Y  
ClientSampleId :

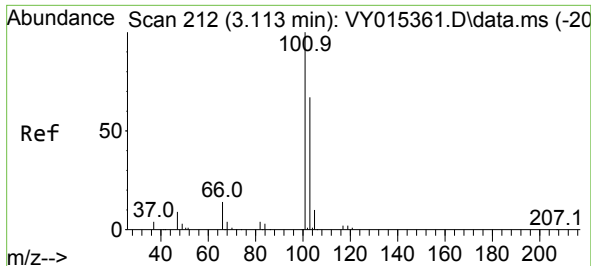
Tgt Ion: 94 Resp: 85738  
Ion Ratio Lower Upper  
94 100  
96 95.8 75.8 113.6



#6  
Chloroethane  
Concen: 46.018 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion: 64 Resp: 78448  
Ion Ratio Lower Upper  
64 100  
66 30.0 24.4 36.6

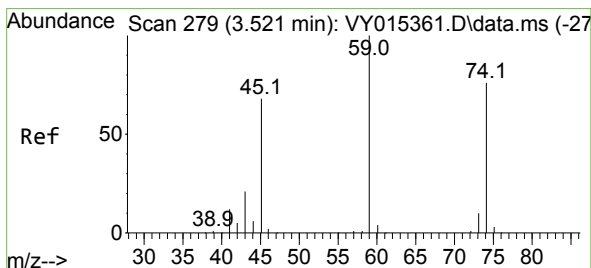
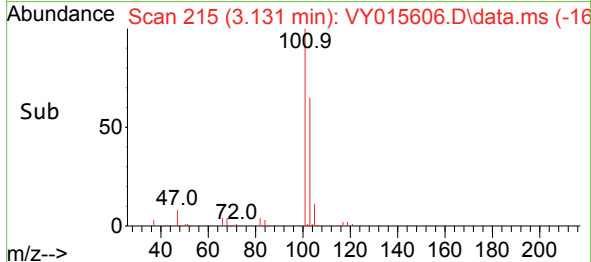
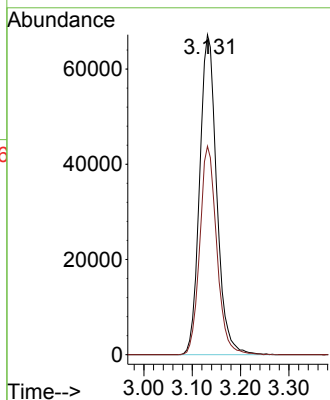
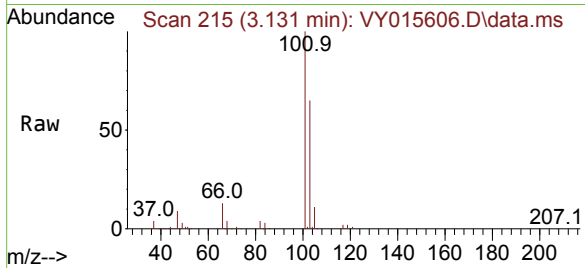




#7  
 Trichlorofluoromethane  
 Concen: 44.908 ug/l  
 RT: 3.131 min Scan# 212  
 Delta R.T. 0.018 min  
 Lab File: VY015606.D  
 Acq: 16 Sep 2023 06:41

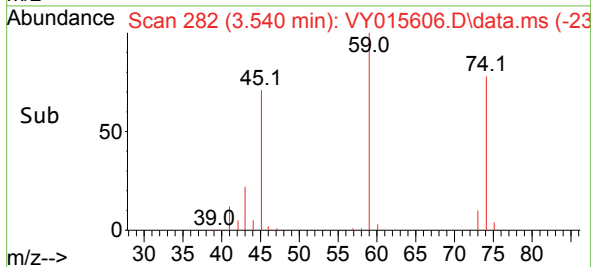
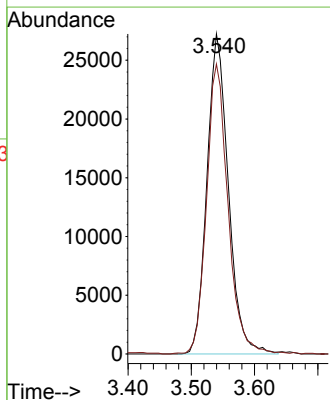
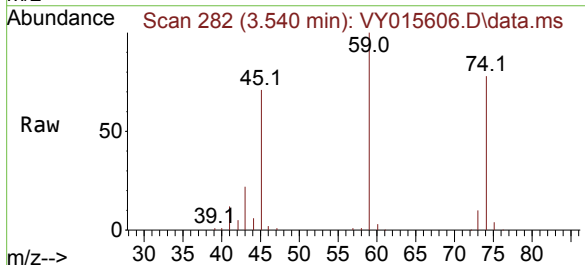
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

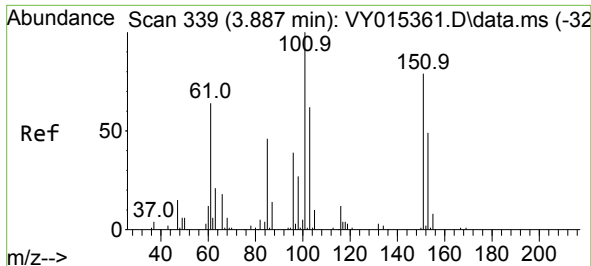
Tgt Ion:101 Resp: 164751  
 Ion Ratio Lower Upper  
 101 100  
 103 65.2 51.4 77.0



#8  
 Diethyl Ether  
 Concen: 51.094 ug/l  
 RT: 3.540 min Scan# 282  
 Delta R.T. 0.018 min  
 Lab File: VY015606.D  
 Acq: 16 Sep 2023 06:41

Tgt Ion: 74 Resp: 64060  
 Ion Ratio Lower Upper  
 74 100  
 45 91.0 51.5 154.5

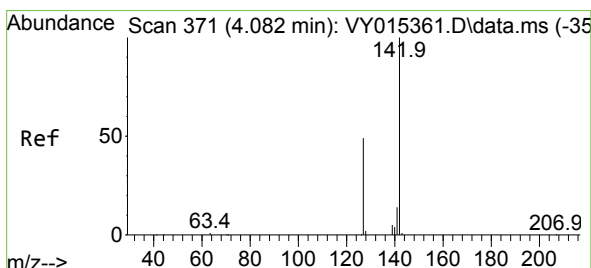
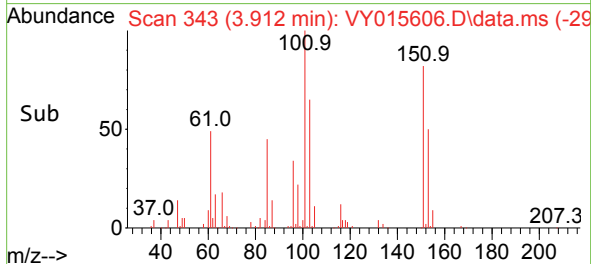
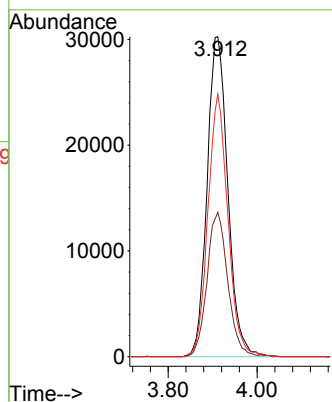
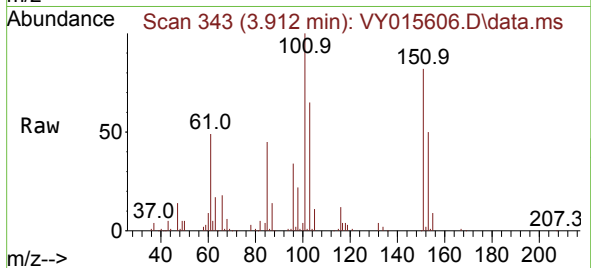




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.215 ug/l  
RT: 3.912 min Scan# 34  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

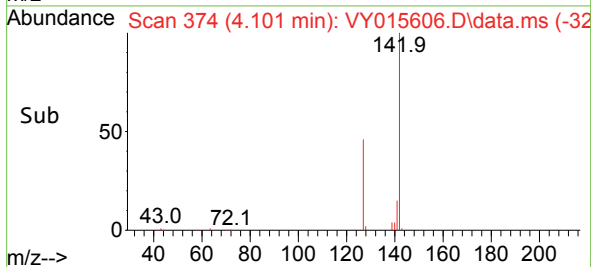
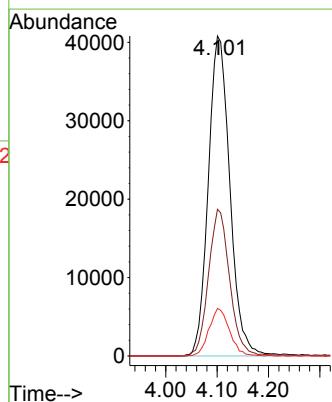
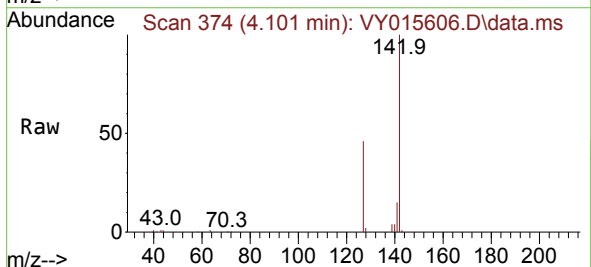
Instrument :  
MSVOA\_Y  
ClientSampleId :

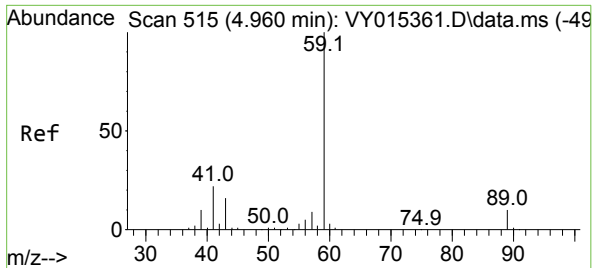
Tgt Ion:101 Resp: 98038  
Ion Ratio Lower Upper  
101 100  
85 45.4 36.6 55.0  
151 79.2 67.0 100.6



#10  
Methyl Iodide  
Concen: 49.838 ug/l  
RT: 4.101 min Scan# 374  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion:142 Resp: 119004  
Ion Ratio Lower Upper  
142 100  
127 45.0 37.6 56.4  
141 14.2 11.8 17.8

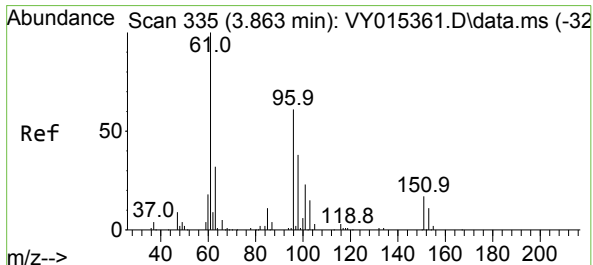
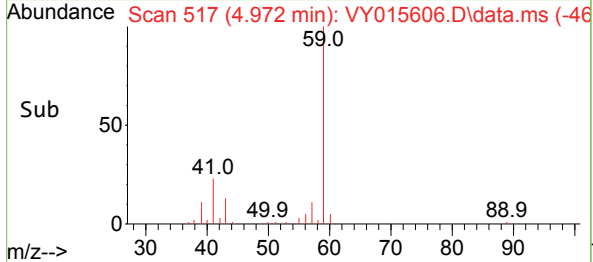
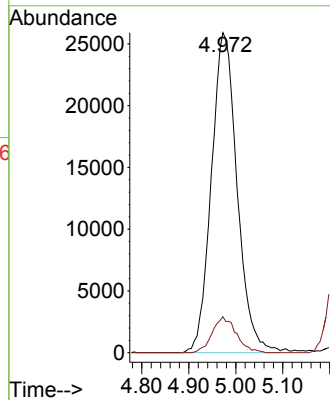
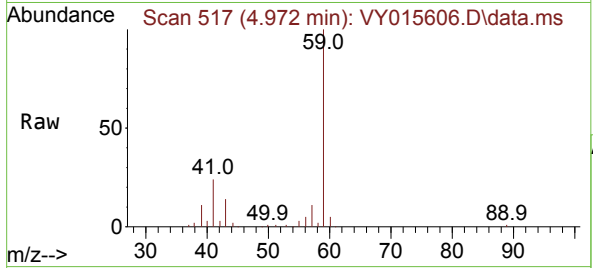




#11  
Tert butyl alcohol  
Concen: 211.863 ug/l  
RT: 4.972 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

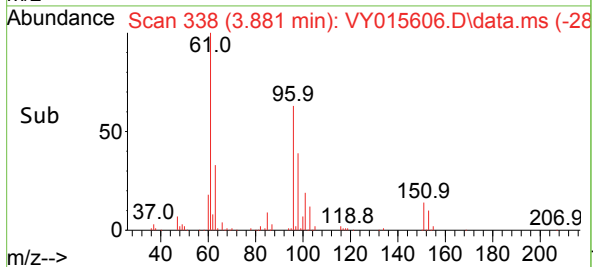
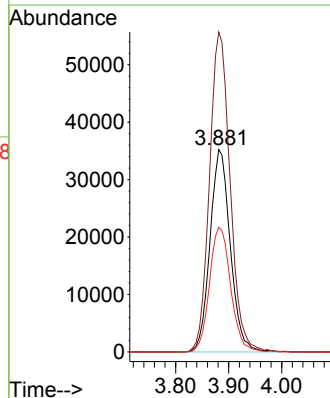
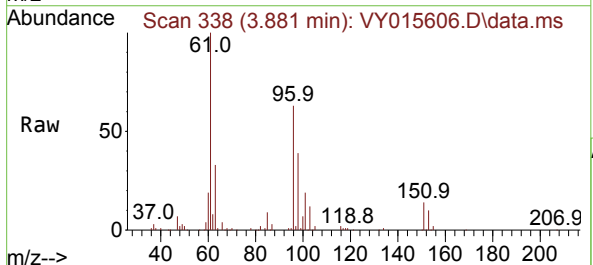
Instrument :  
MSVOA\_Y  
ClientSampleId :

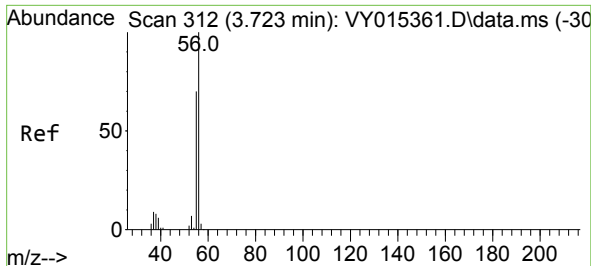
Tgt Ion: 59 Resp: 98657  
Ion Ratio Lower Upper  
59 100  
57 10.4 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 48.892 ug/l  
RT: 3.881 min Scan# 338  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

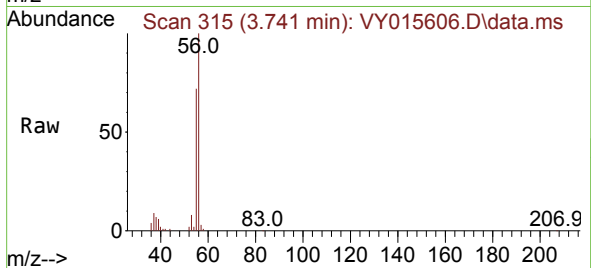
Tgt Ion: 96 Resp: 93809  
Ion Ratio Lower Upper  
96 100  
61 158.1 136.4 204.6  
98 61.6 49.4 74.2



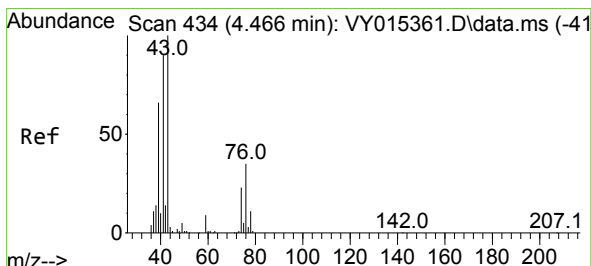
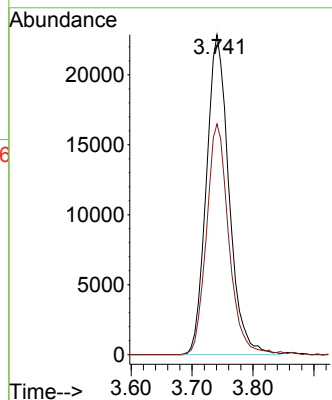
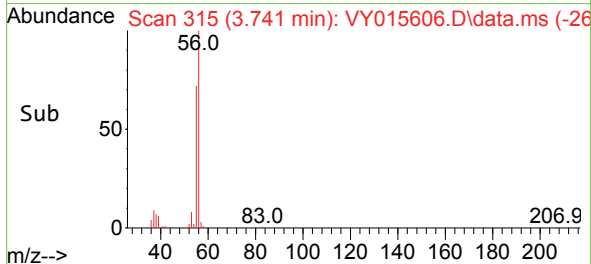


#13  
Acrolein  
Concen: 109.231 ug/l  
RT: 3.741 min Scan# 312  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Instrument :  
MSVOA\_Y  
ClientSampleId :

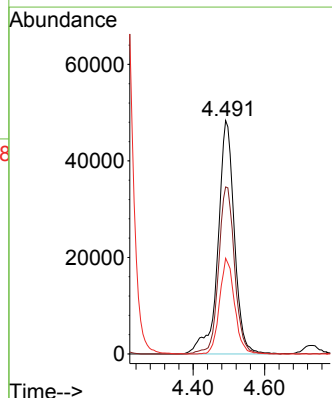
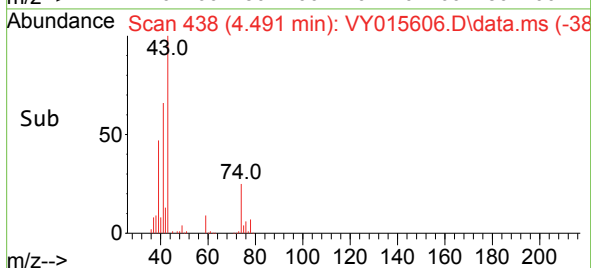
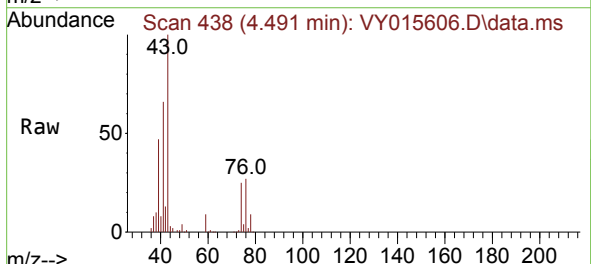


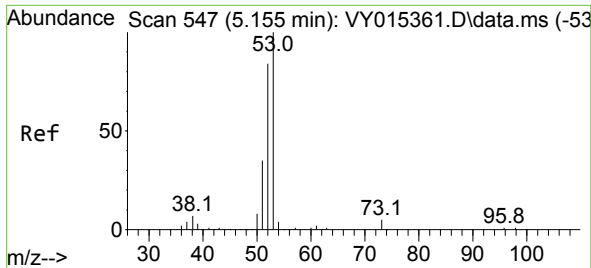
Tgt Ion: 56 Resp: 58835  
Ion Ratio Lower Upper  
56 100  
55 71.2 57.0 85.4



#14  
Allyl chloride  
Concen: 50.324 ug/l  
RT: 4.491 min Scan# 438  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion: 41 Resp: 153733  
Ion Ratio Lower Upper  
41 100  
39 70.1 58.0 87.0  
76 37.5 27.4 41.2

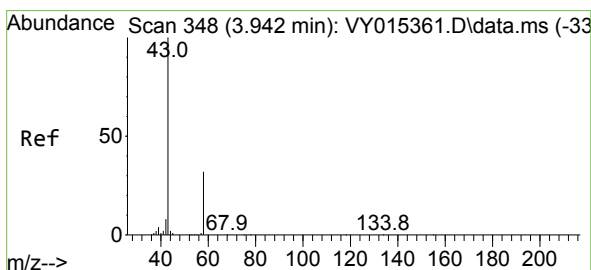
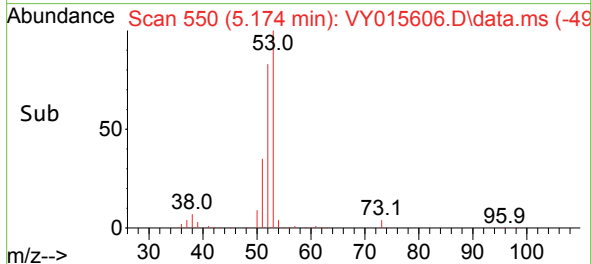
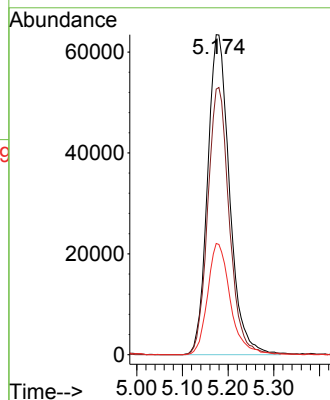
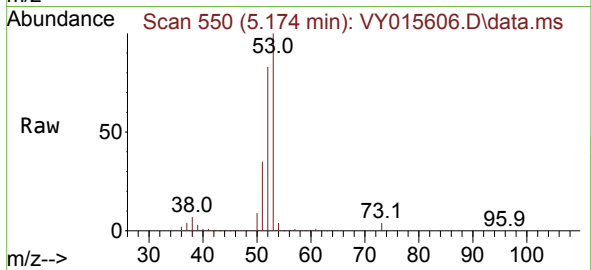




#15  
Acrylonitrile  
Concen: 268.968 ug/l  
RT: 5.174 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

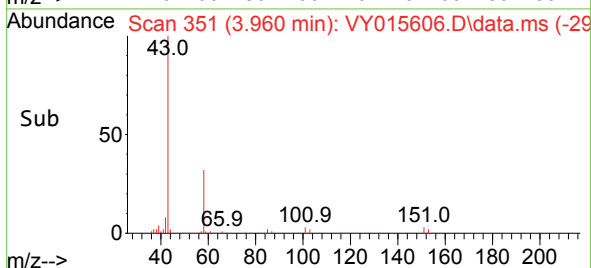
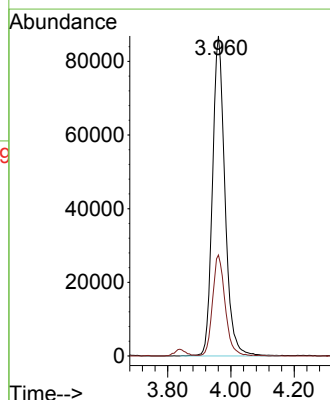
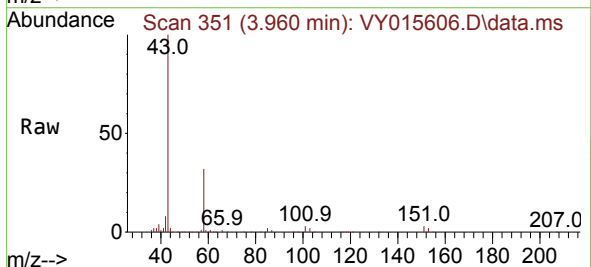
Instrument :  
MSVOA\_Y  
ClientSampleId :

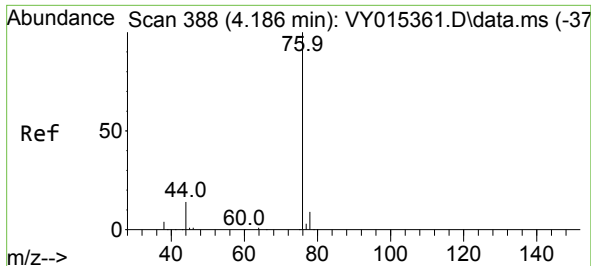
Tgt Ion: 53 Resp: 212197  
Ion Ratio Lower Upper  
53 100  
52 81.9 66.9 100.3  
51 36.0 29.8 44.6



#16  
Acetone  
Concen: 277.158 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion: 43 Resp: 239362  
Ion Ratio Lower Upper  
43 100  
58 31.5 22.7 34.1

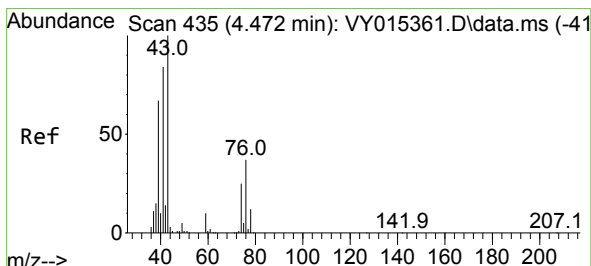
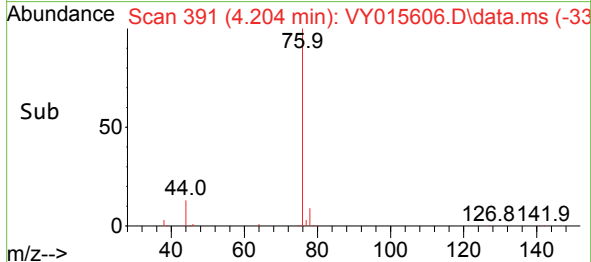
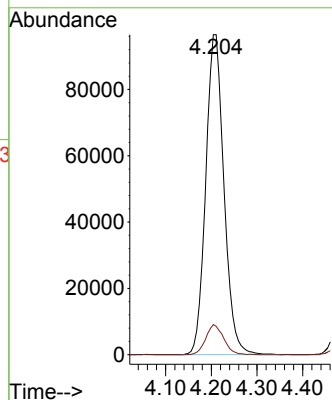
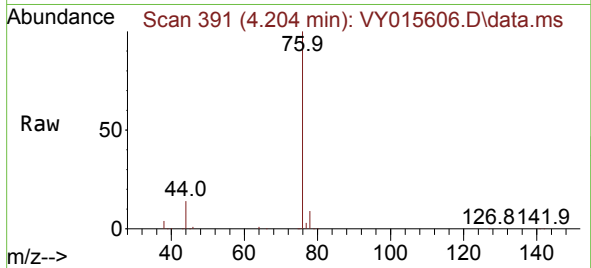




#17  
Carbon Disulfide  
Concen: 46.580 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

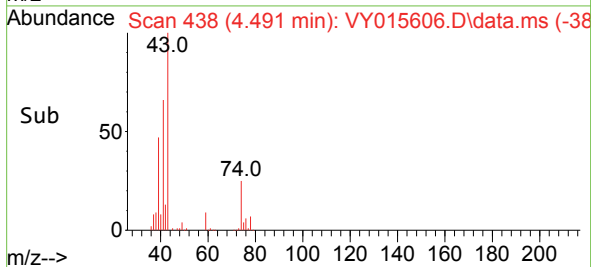
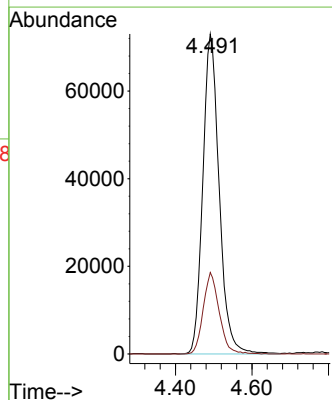
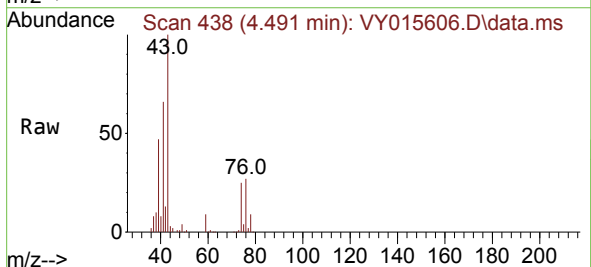
Instrument :  
MSVOA\_Y  
ClientSampleId :

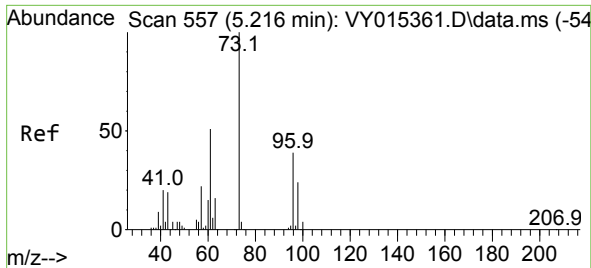
Tgt Ion: 76 Resp: 267189  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.0 10.4



#18  
Methyl Acetate  
Concen: 69.365 ug/l  
RT: 4.491 min Scan# 438  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion: 43 Resp: 216980  
Ion Ratio Lower Upper  
43 100  
74 24.9 17.4 26.0

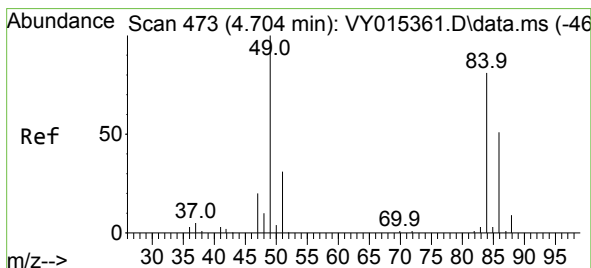
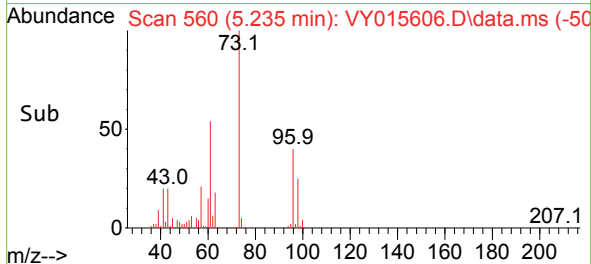
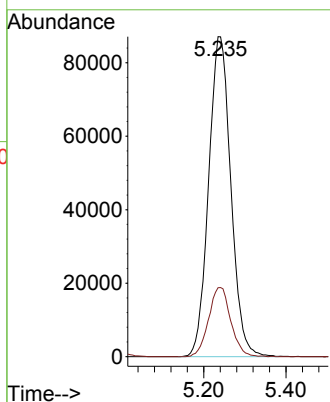
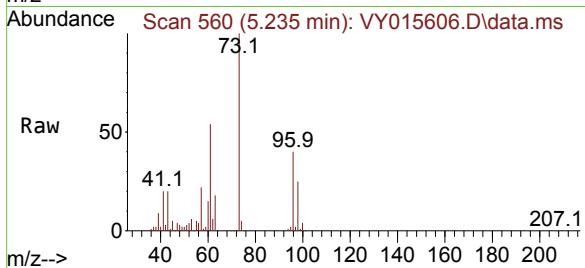




#19  
Methyl tert-butyl Ether  
Concen: 52.322 ug/l  
RT: 5.235 min Scan# 51  
Delta R.T. 0.024 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

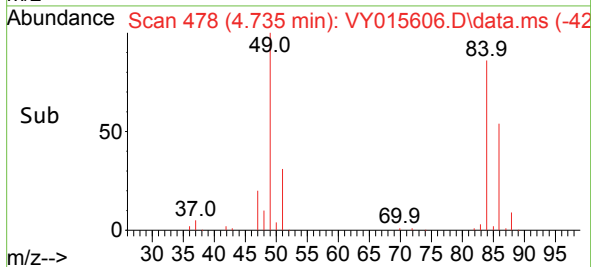
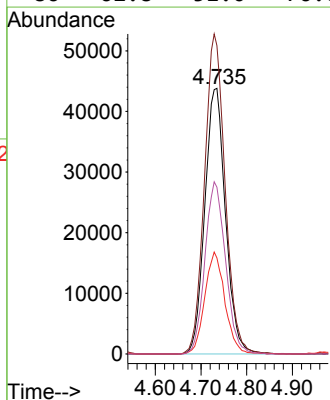
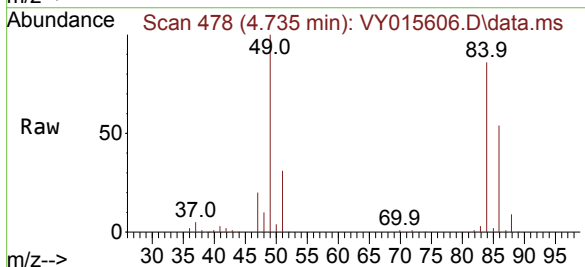
Instrument :  
MSVOA\_Y  
ClientSampleId :

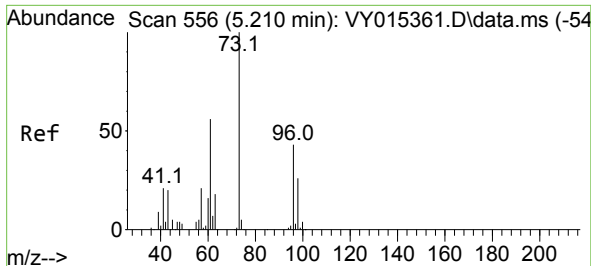
Tgt Ion: 73 Resp: 326282  
Ion Ratio Lower Upper  
73 100  
57 21.5 17.3 25.9



#20  
Methylene Chloride  
Concen: 49.751 ug/l  
RT: 4.735 min Scan# 478  
Delta R.T. 0.031 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

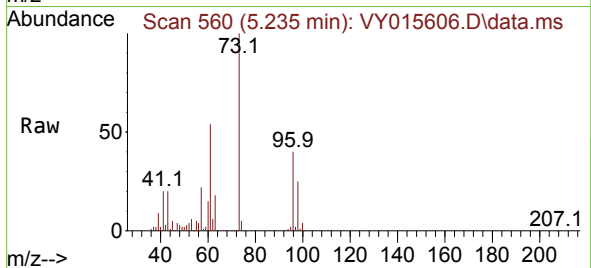
Tgt Ion: 84 Resp: 137839  
Ion Ratio Lower Upper  
84 100  
49 116.1 106.9 160.3  
51 36.2 33.2 49.8  
86 62.8 51.0 76.6



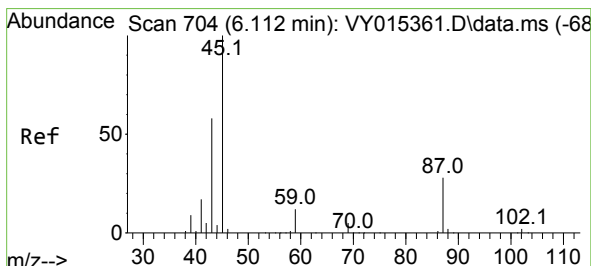
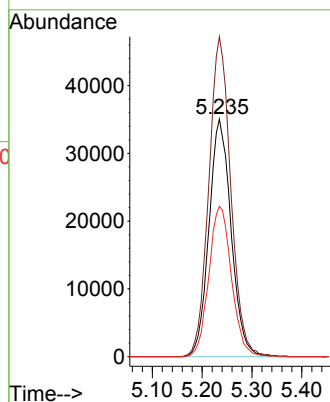
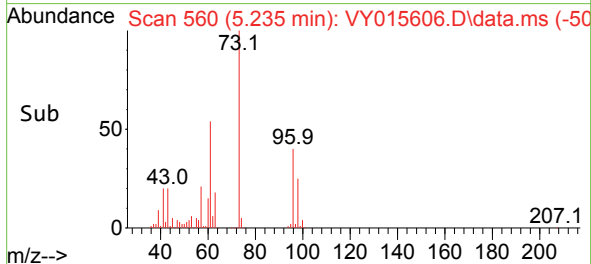


#21  
trans-1,2-Dichloroethene  
Concen: 48.969 ug/l  
RT: 5.235 min Scan# 50  
Delta R.T. 0.024 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

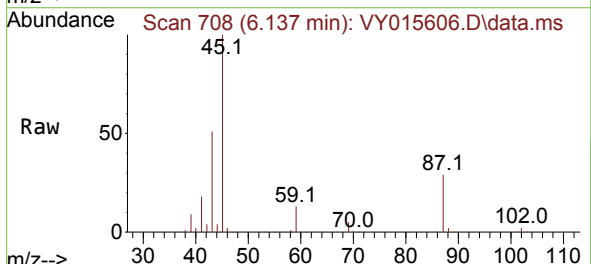
Instrument :  
MSVOA\_Y  
ClientSampleId :



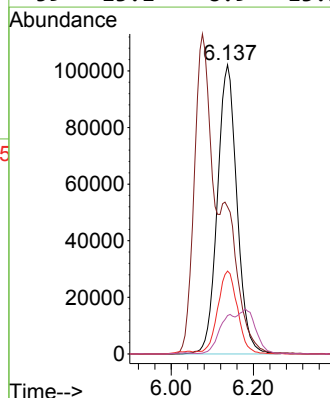
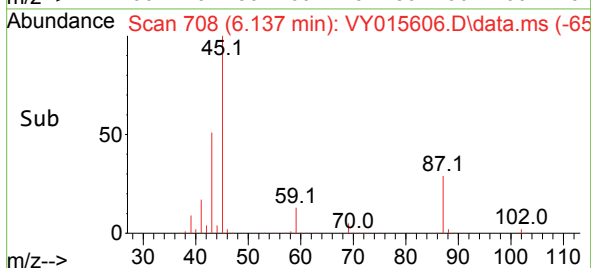
Tgt Ion: 96 Resp: 108194  
Ion Ratio Lower Upper  
96 100  
61 134.7 110.2 165.4  
98 63.3 51.8 77.6

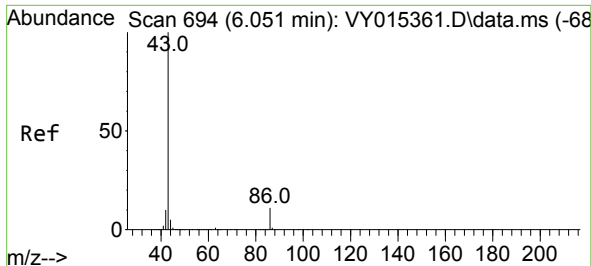


#22  
Diisopropyl ether  
Concen: 50.552 ug/l  
RT: 6.137 min Scan# 708  
Delta R.T. 0.024 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41



Tgt Ion: 45 Resp: 337748  
Ion Ratio Lower Upper  
45 100  
43 50.4 52.2 78.4#  
87 28.6 21.0 31.6  
59 13.1 8.9 13.3

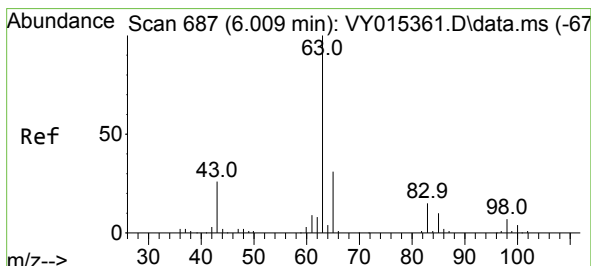
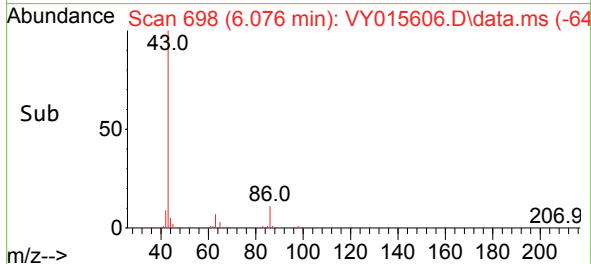
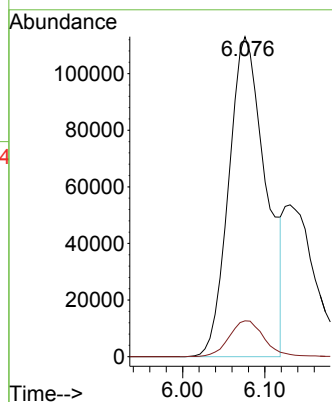
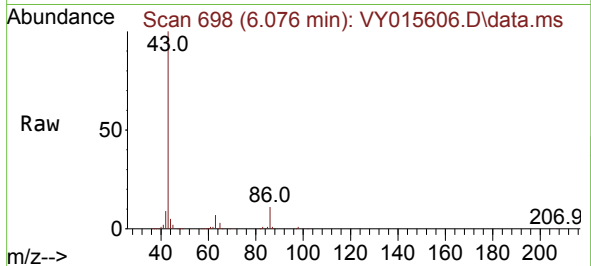




#23  
 Vinyl Acetate  
 Concen: 84.052 ug/l  
 RT: 6.076 min Scan# 694  
 Delta R.T. 0.024 min  
 Lab File: VY015606.D  
 Acq: 16 Sep 2023 06:41

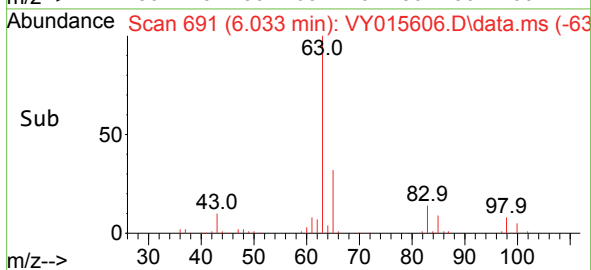
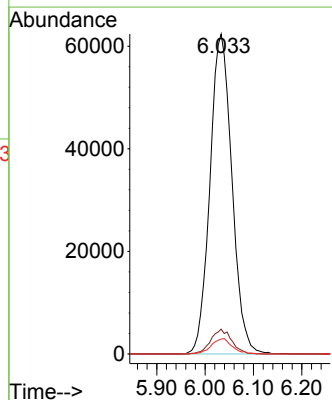
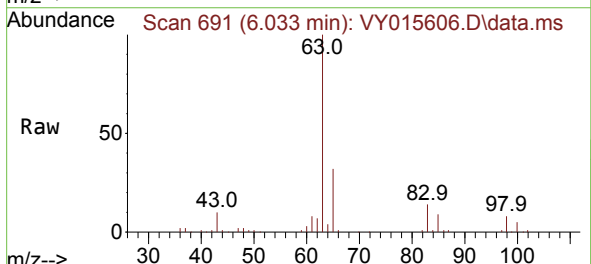
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

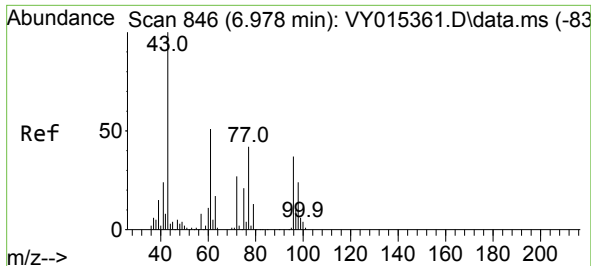
Tgt Ion: 43 Resp: 354566  
 Ion Ratio Lower Upper  
 43 100  
 86 11.2 7.5 11.3



#24  
 1,1-Dichloroethane  
 Concen: 51.022 ug/l  
 RT: 6.033 min Scan# 691  
 Delta R.T. 0.031 min  
 Lab File: VY015606.D  
 Acq: 16 Sep 2023 06:41

Tgt Ion: 63 Resp: 197060  
 Ion Ratio Lower Upper  
 63 100  
 98 7.8 3.1 9.4  
 100 4.6 1.8 5.5

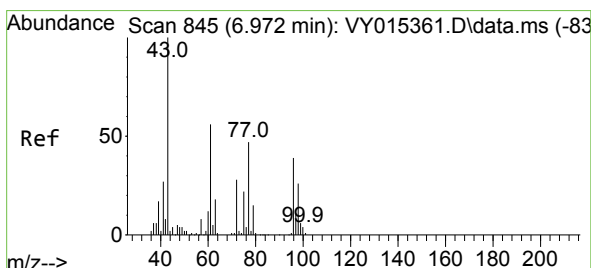
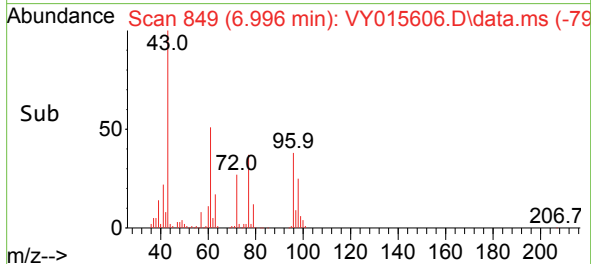
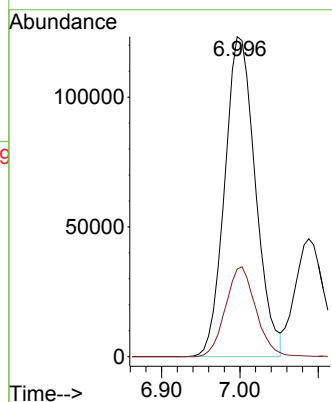
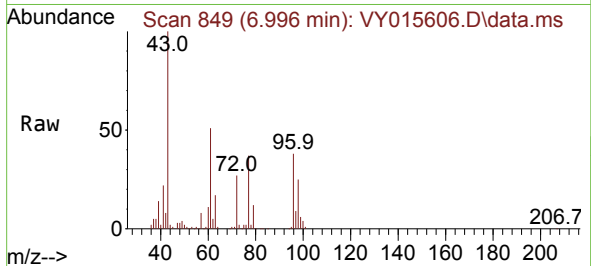




#25  
2-Butanone  
Concen: 274.562 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

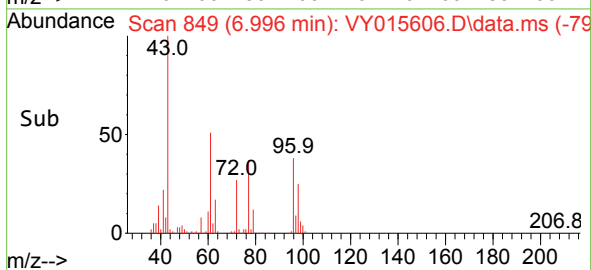
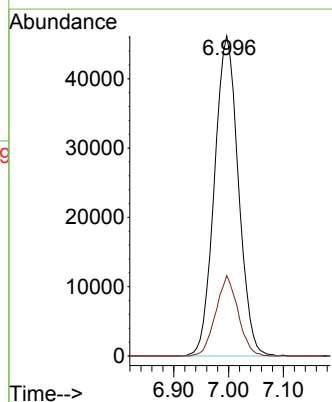
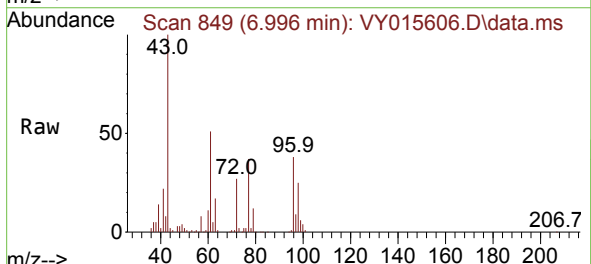
Instrument :  
MSVOA\_Y  
ClientSampleId :

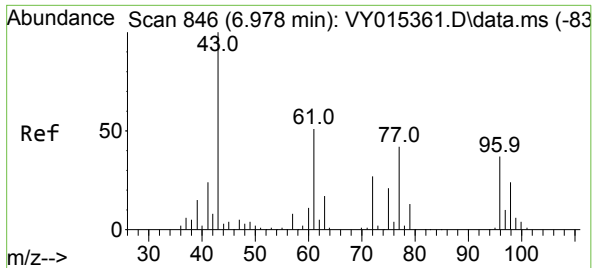
Tgt Ion: 43 Resp: 336314  
Ion Ratio Lower Upper  
43 100  
72 27.3 20.5 30.7



#26  
2,2-Dichloropropane  
Concen: 42.728 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. 0.024 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion: 77 Resp: 140164  
Ion Ratio Lower Upper  
77 100  
97 23.4 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 50.713 ug/l

RT: 7.003 min Scan# 81

Delta R.T. 0.024 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :

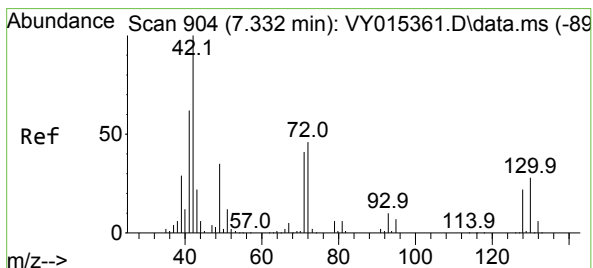
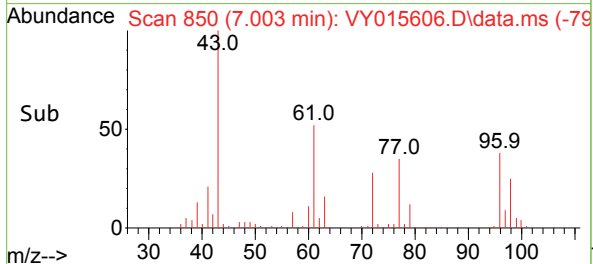
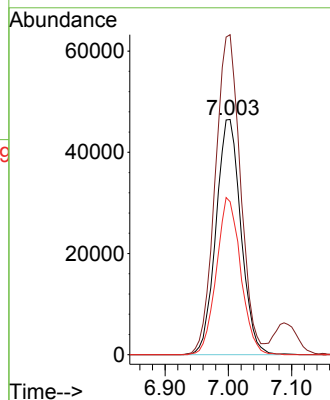
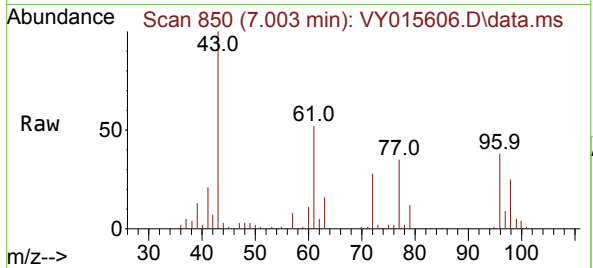
Tgt Ion: 96 Resp: 127110

Ion Ratio Lower Upper

96 100

61 138.2 0.0 301.4

98 65.0 0.0 130.4



#28

Bromochloromethane

Concen: 42.598 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.025 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

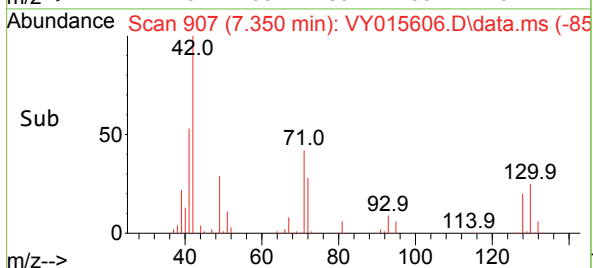
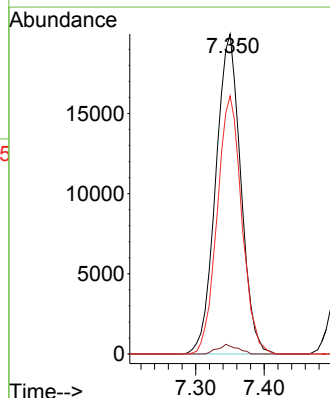
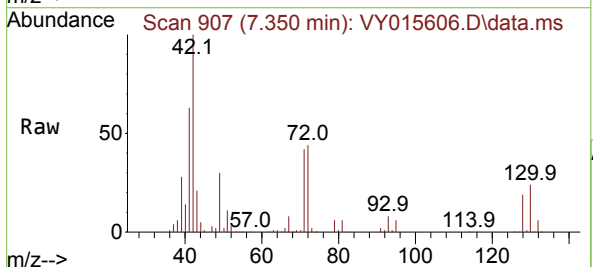
Tgt Ion: 49 Resp: 50453

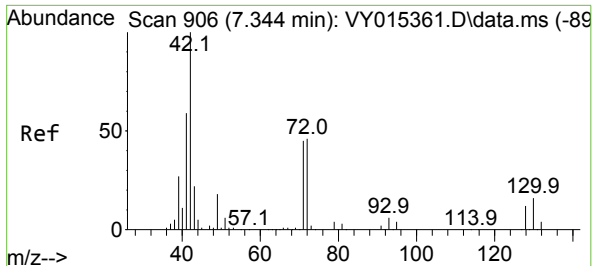
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

130 79.4 60.7 91.1





#29

Tetrahydrofuran

Concen: 274.900 ug/l

RT: 7.362 min Scan# 906

Delta R.T. 0.018 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :

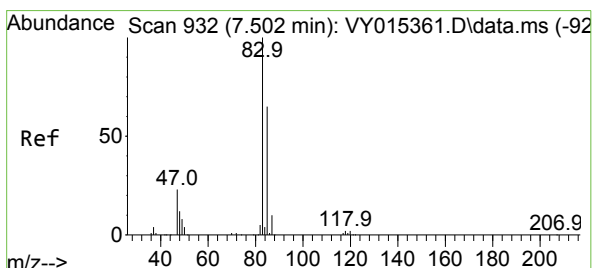
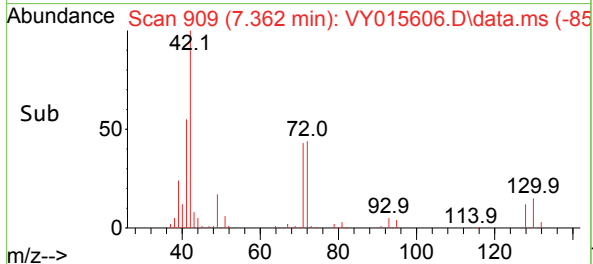
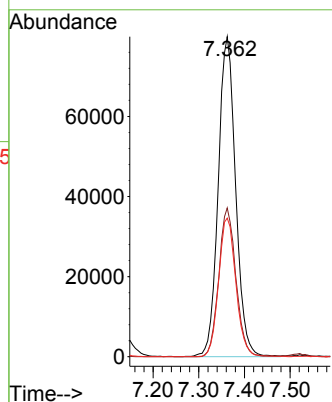
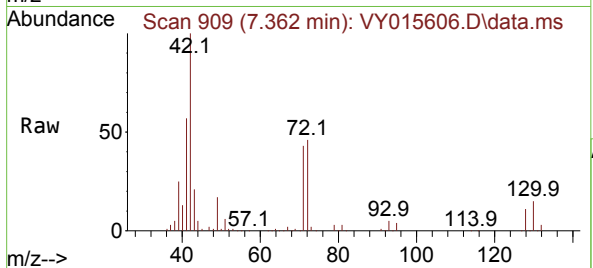
Tgt Ion: 42 Resp: 211457

Ion Ratio Lower Upper

42 100

72 45.7 32.8 49.2

71 42.9 31.0 46.4



#30

Chloroform

Concen: 50.820 ug/l

RT: 7.521 min Scan# 935

Delta R.T. 0.024 min

Lab File: VY015606.D

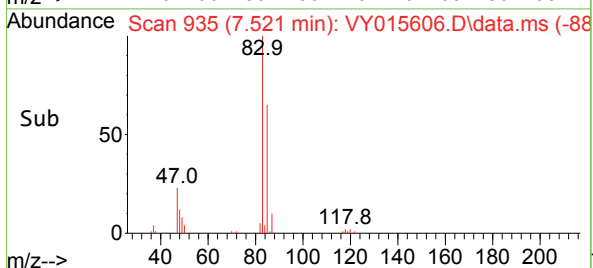
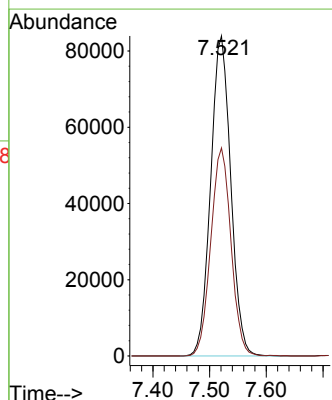
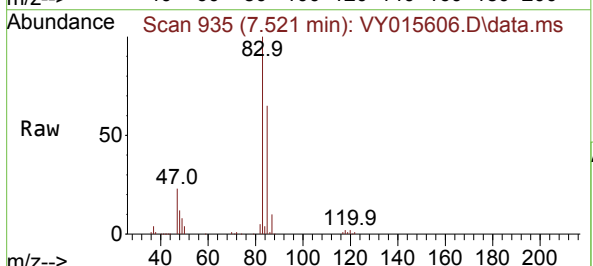
Acq: 16 Sep 2023 06:41

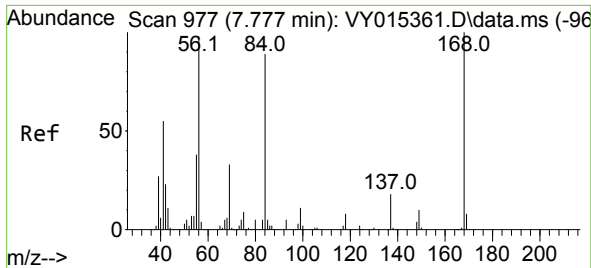
Tgt Ion: 83 Resp: 206336

Ion Ratio Lower Upper

83 100

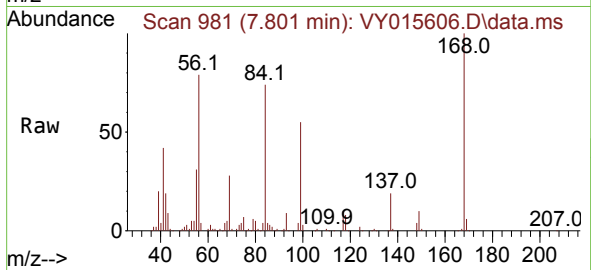
85 65.0 49.7 74.5



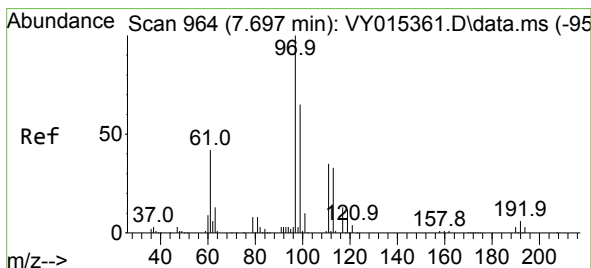
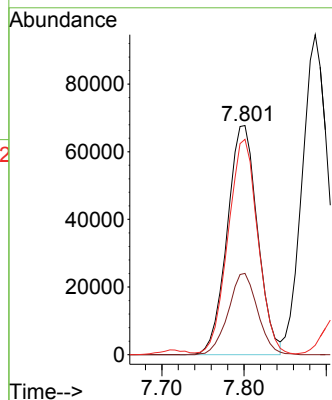
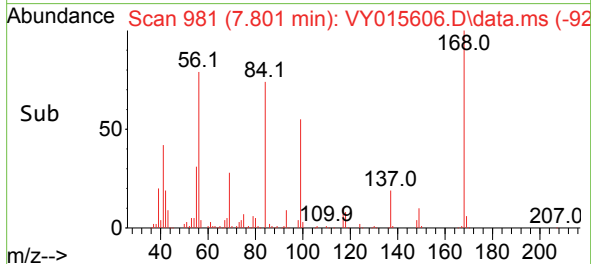


#31  
Cyclohexane  
Concen: 47.344 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Instrument :  
MSVOA\_Y  
ClientSampleId :

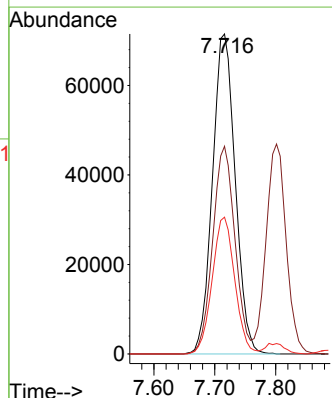
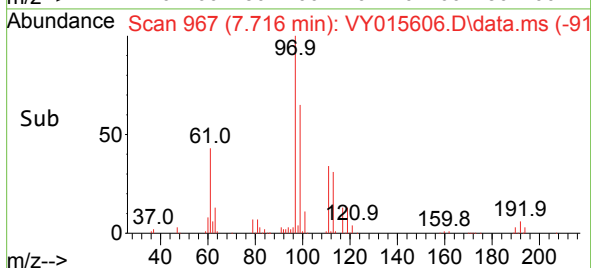
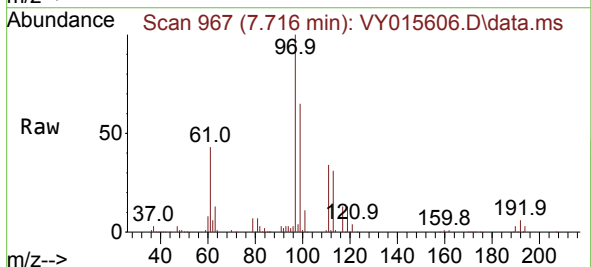


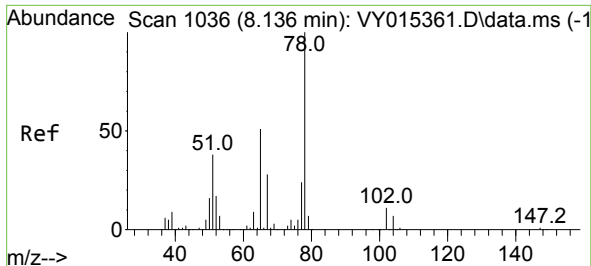
Tgt Ion: 56 Resp: 174007  
Ion Ratio Lower Upper  
56 100  
69 35.5 27.8 41.6  
84 92.5 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 51.178 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.024 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion: 97 Resp: 185598  
Ion Ratio Lower Upper  
97 100  
99 63.6 50.8 76.2  
61 42.4 35.1 52.7

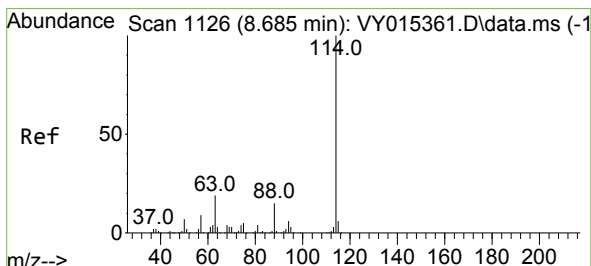
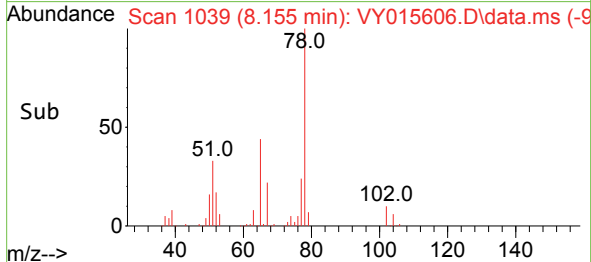
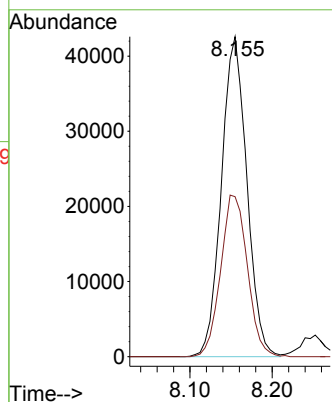
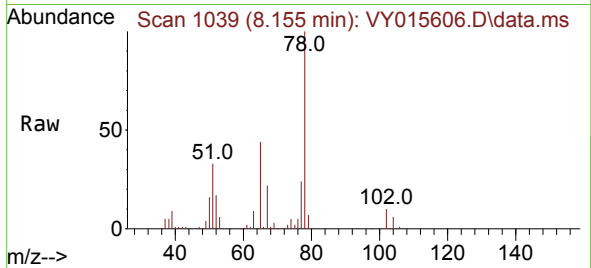




#33  
 1,2-Dichloroethane-d4  
 Concen: 44.241 ug/l  
 RT: 8.155 min Scan# 1109  
 Delta R.T. 0.018 min  
 Lab File: VY015606.D  
 Acq: 16 Sep 2023 06:41

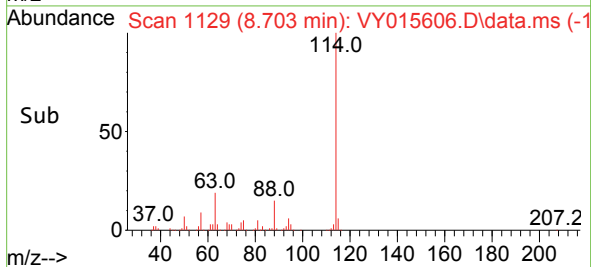
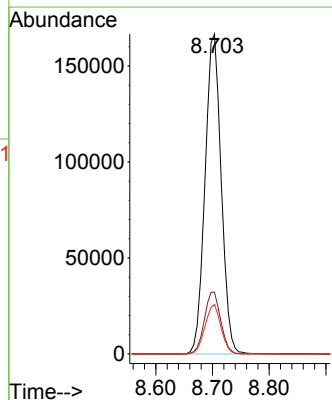
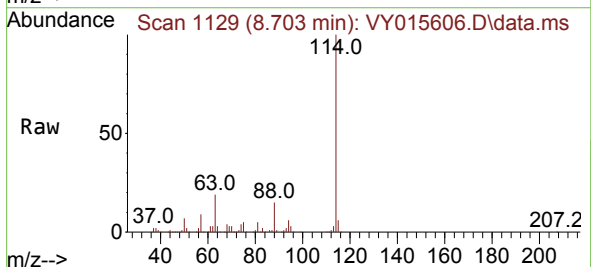
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

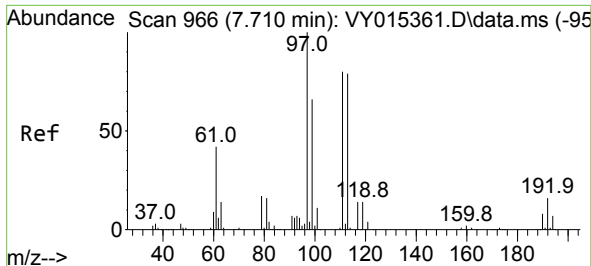
Tgt Ion: 65 Resp: 91539  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.703 min Scan# 1129  
 Delta R.T. 0.018 min  
 Lab File: VY015606.D  
 Acq: 16 Sep 2023 06:41

Tgt Ion: 114 Resp: 330835  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 42.4  
 88 15.5 0.0 30.6

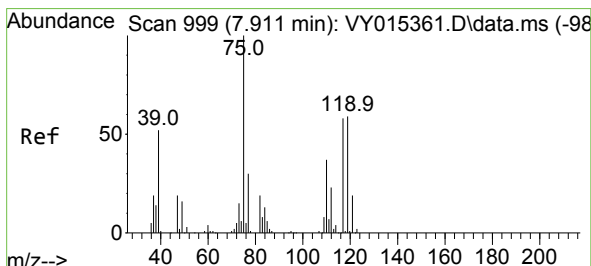
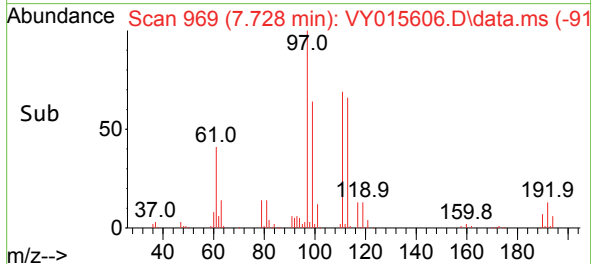
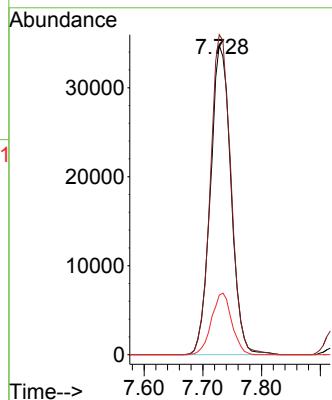
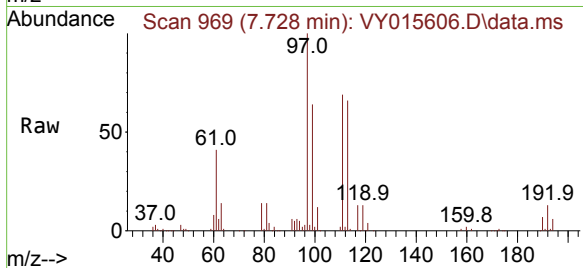




#35  
Dibromofluoromethane  
Concen: 44.260 ug/l  
RT: 7.728 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

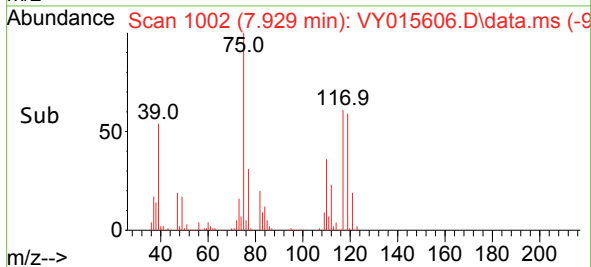
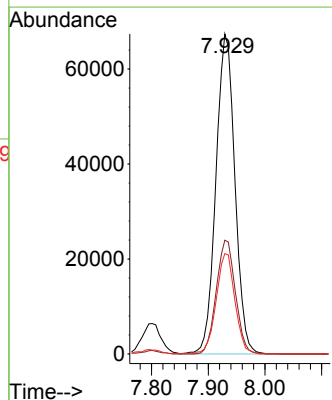
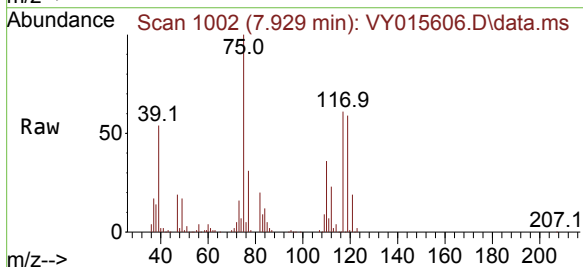
Instrument :  
MSVOA\_Y  
ClientSampleId :

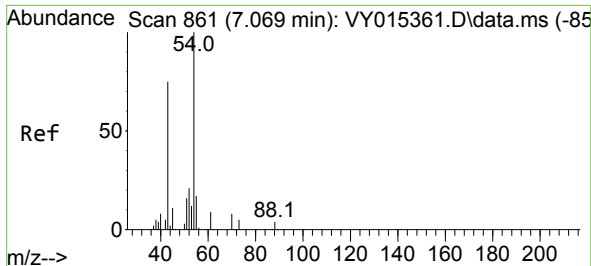
Tgt Ion:113 Resp: 84339  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.3 121.9  
192 19.7 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 46.880 ug/l  
RT: 7.929 min Scan# 1002  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion: 75 Resp: 156856  
Ion Ratio Lower Upper  
75 100  
110 35.7 17.8 53.5  
77 30.9 24.4 36.6





#37

Ethyl Acetate

Concen: 47.094 ug/l

RT: 7.088 min Scan# 80

Delta R.T. 0.024 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :

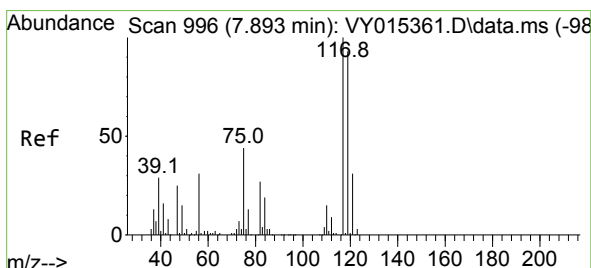
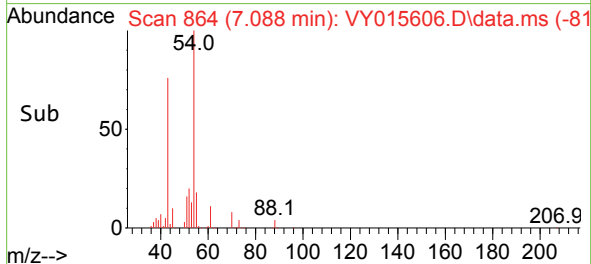
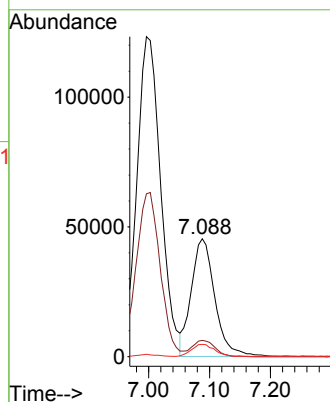
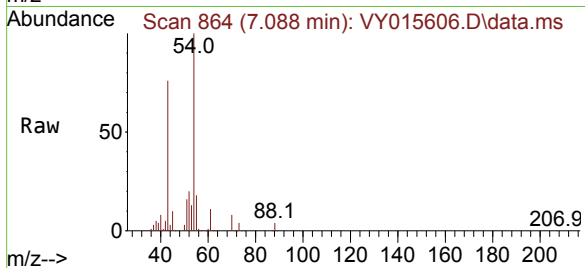
Tgt Ion: 43 Resp: 121528

Ion Ratio Lower Upper

43 100

61 13.6 10.1 15.1

70 10.6 7.1 10.7



#38

Carbon Tetrachloride

Concen: 47.302 ug/l

RT: 7.911 min Scan# 999

Delta R.T. 0.018 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

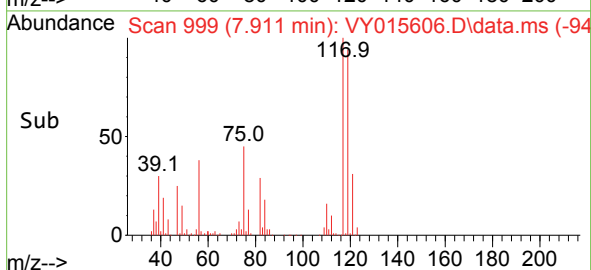
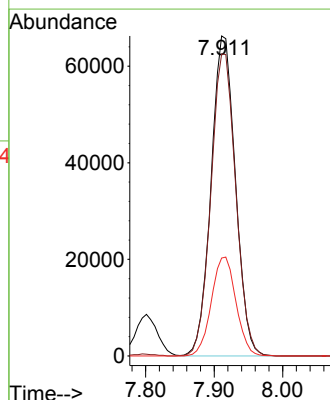
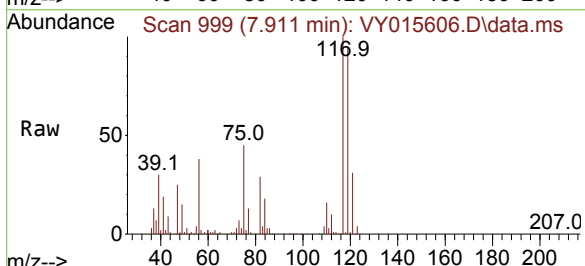
Tgt Ion: 117 Resp: 163462

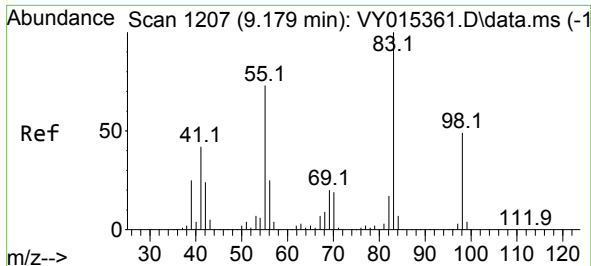
Ion Ratio Lower Upper

117 100

119 94.3 76.4 114.6

121 30.6 25.8 38.6





#39

Methylcyclohexane

Concen: 47.642 ug/l

RT: 9.191 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :

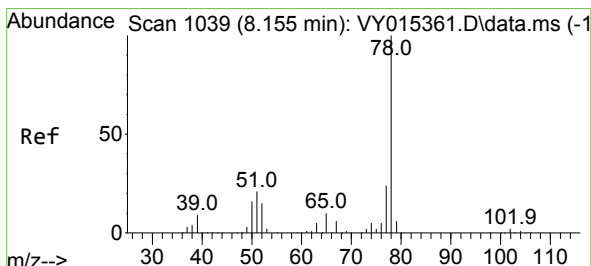
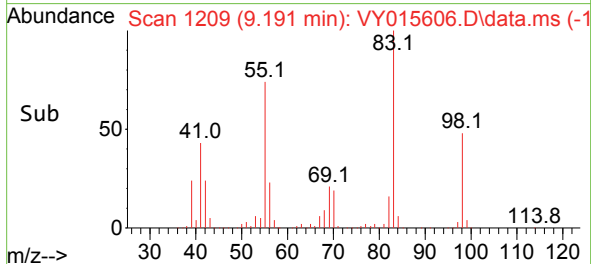
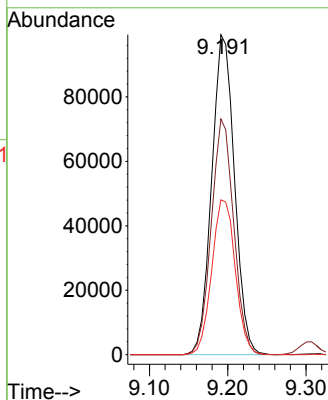
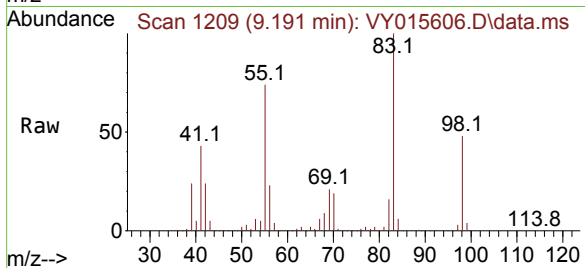
Tgt Ion: 83 Resp: 200683

Ion Ratio Lower Upper

83 100

55 73.6 63.0 94.4

98 48.4 37.4 56.2



#40

Benzene

Concen: 48.139 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. 0.024 min

Lab File: VY015606.D

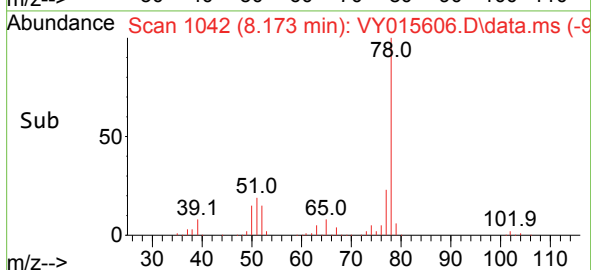
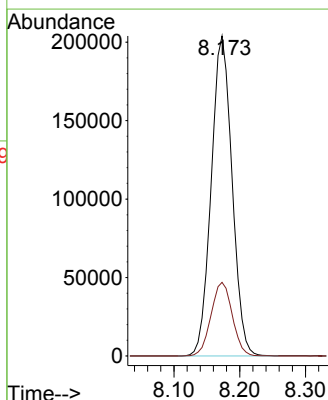
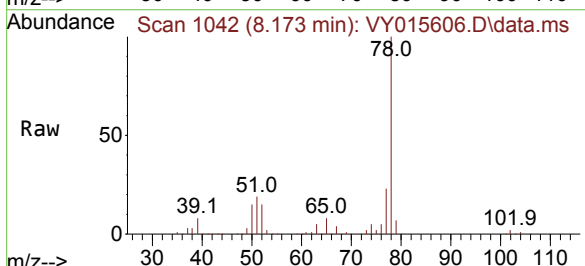
Acq: 16 Sep 2023 06:41

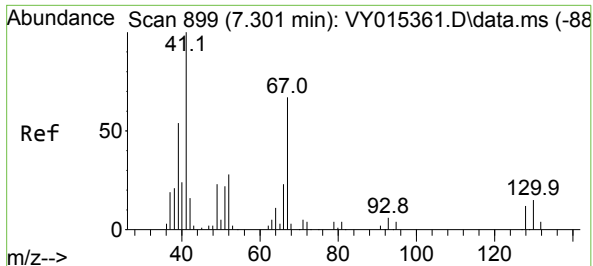
Tgt Ion: 78 Resp: 449378

Ion Ratio Lower Upper

78 100

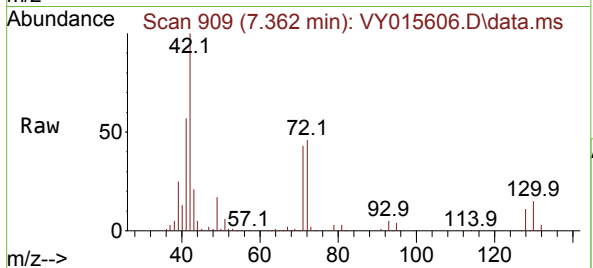
77 23.0 19.0 28.6



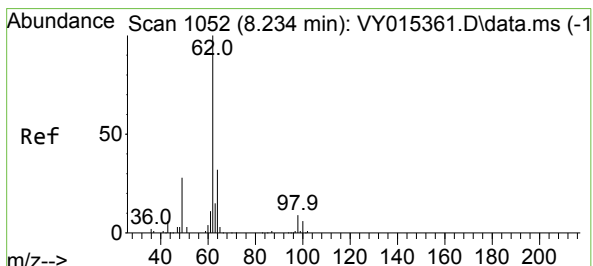
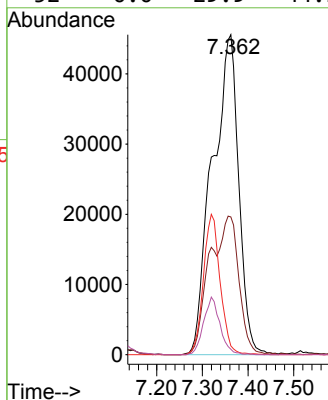
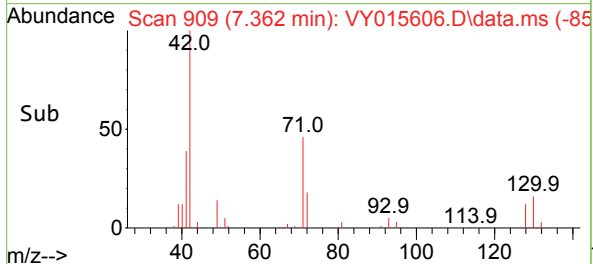


#41  
Methacrylonitrile  
Concen: 150.763 ug/l  
RT: 7.362 min Scan# 901  
Delta R.T. 0.049 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

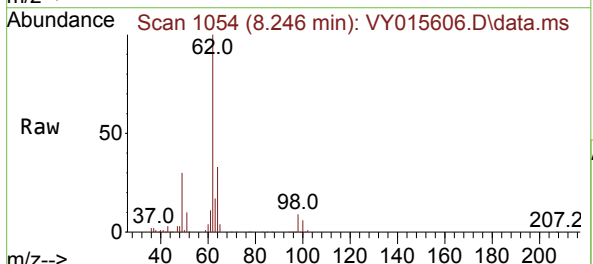
Instrument :  
MSVOA\_Y  
ClientSampleId :



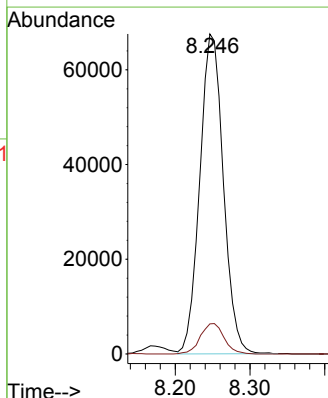
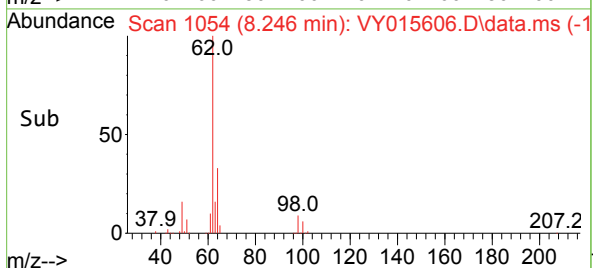
Tgt Ion: 41 Resp: 182440  
Ion Ratio Lower Upper  
41 100  
39 26.8 52.1 78.1#  
67 0.0 66.2 99.2#  
52 0.0 29.9 44.9#

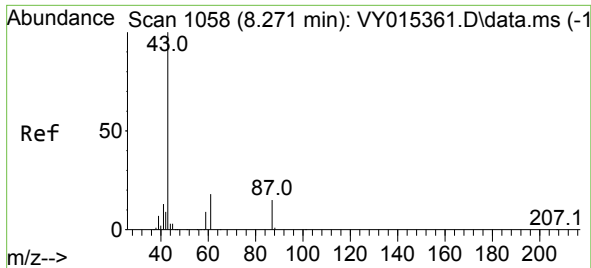


#42  
1,2-Dichloroethane  
Concen: 47.500 ug/l  
RT: 8.246 min Scan# 1054  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41



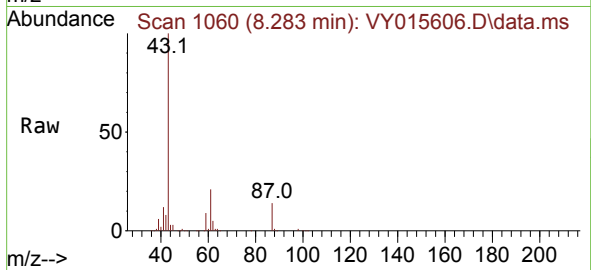
Tgt Ion: 62 Resp: 147860  
Ion Ratio Lower Upper  
62 100  
98 9.6 0.0 15.8





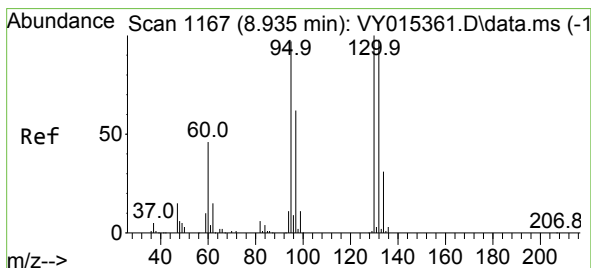
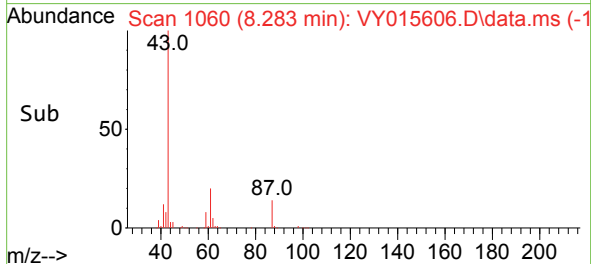
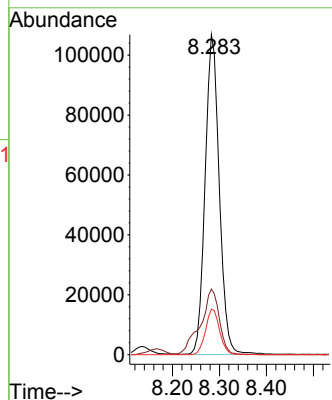
#43  
Isopropyl Acetate  
Concen: 49.948 ug/l  
RT: 8.283 min Scan# 1106  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 43 Resp: 222882

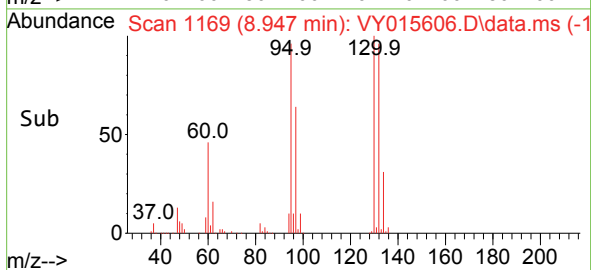
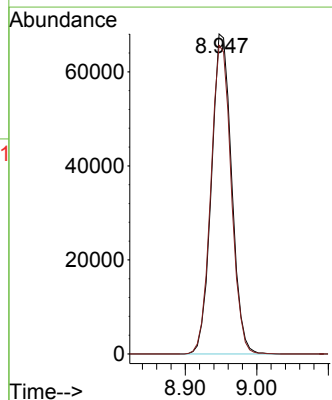
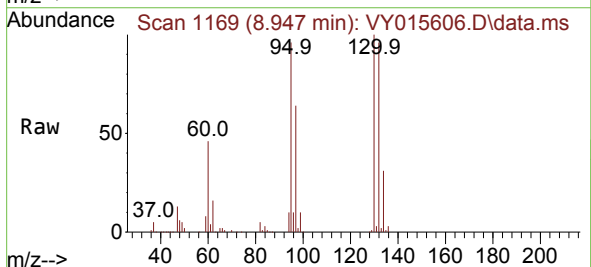
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 27.1  | 21.1  | 31.7  |
| 87  | 14.1  | 9.8   | 14.8  |

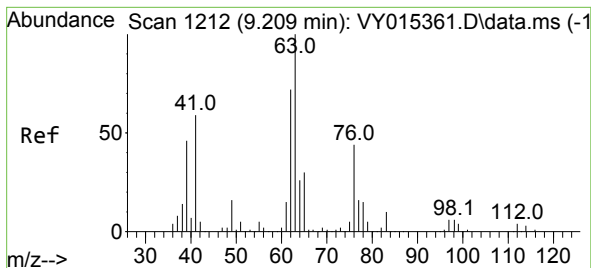


#44  
Trichloroethene  
Concen: 50.474 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion:130 Resp: 133312

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 96.4  | 0.0   | 196.0 |





#45

1,2-Dichloropropane

Concen: 48.915 ug/l

RT: 9.228 min Scan# 1151

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

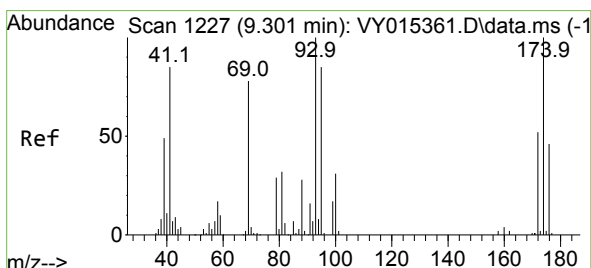
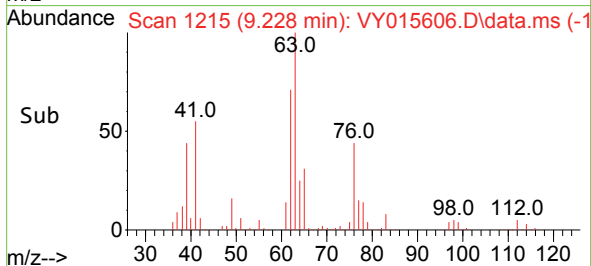
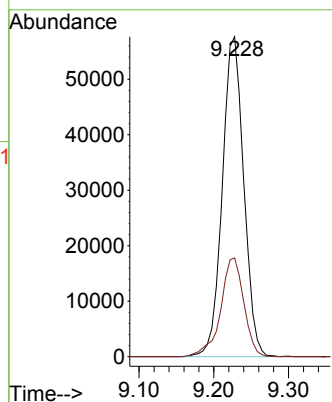
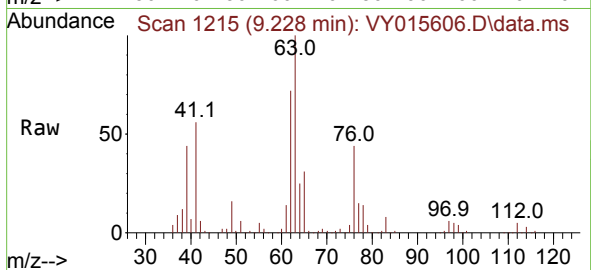
ClientSampleId :

Tgt Ion: 63 Resp: 115111

Ion Ratio Lower Upper

63 100

65 30.9 23.8 35.6



#46

Dibromomethane

Concen: 47.968 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.018 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

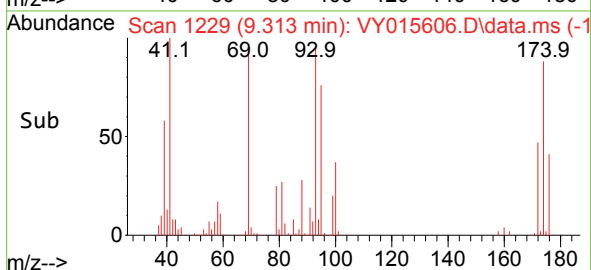
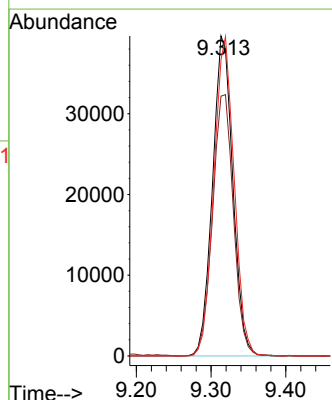
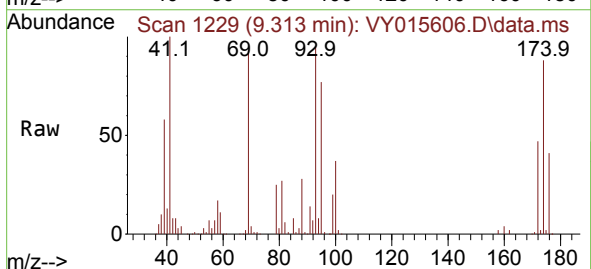
Tgt Ion: 93 Resp: 74982

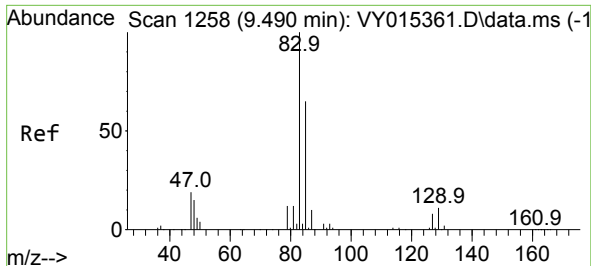
Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

174 99.6 84.8 127.2

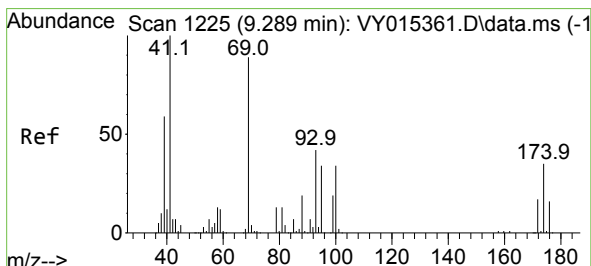
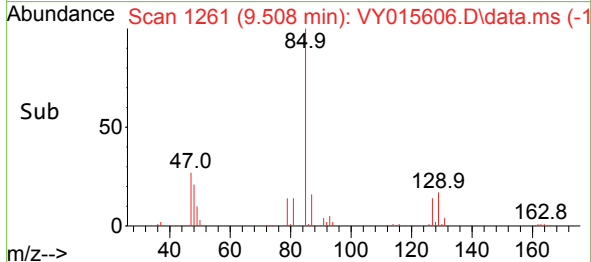
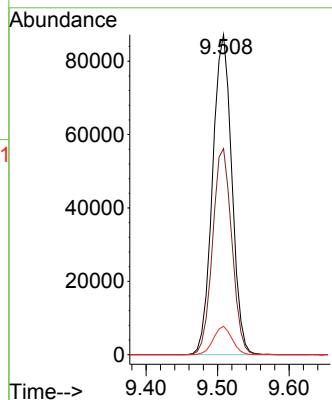
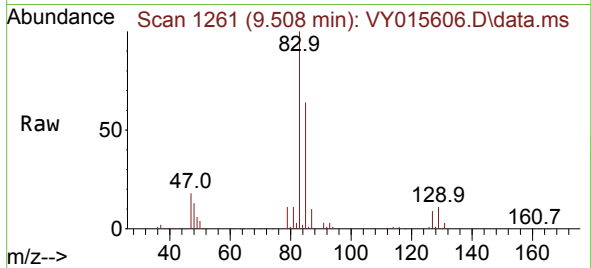




#47  
Bromodichloromethane  
Concen: 48.734 ug/l  
RT: 9.508 min Scan# 1261  
Delta R.T. 0.018 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

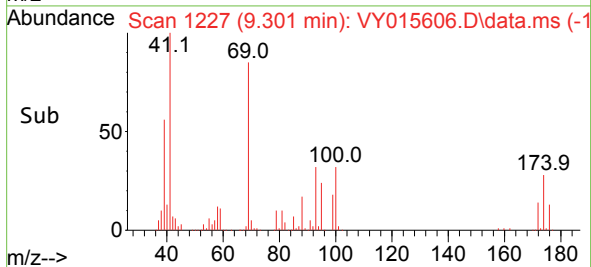
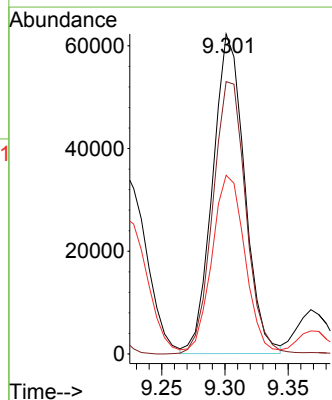
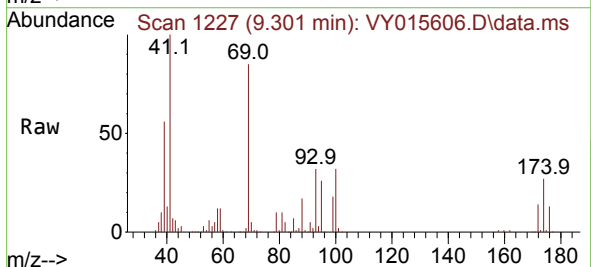
Instrument :  
MSVOA\_Y  
ClientSampleId :

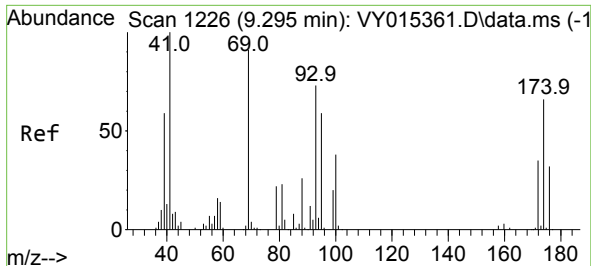
Tgt Ion: 83 Resp: 162912  
Ion Ratio Lower Upper  
83 100  
85 64.4 50.1 75.1  
127 8.8 7.1 10.7



#48  
Methyl methacrylate  
Concen: 53.346 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion: 41 Resp: 109219  
Ion Ratio Lower Upper  
41 100  
69 88.6 64.5 96.7  
39 55.4 50.8 76.2





#49

1,4-Dioxane

Concen: 1018.724 ug/l

RT: 9.307 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :

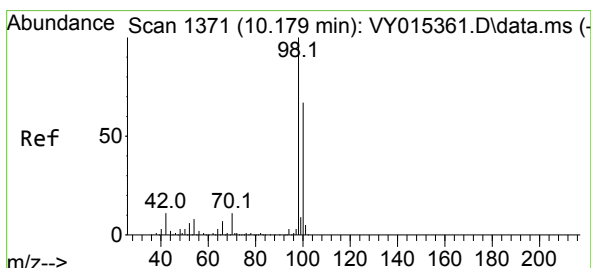
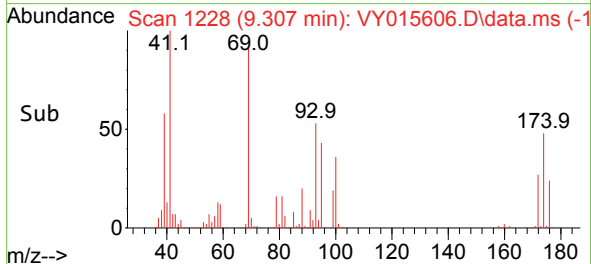
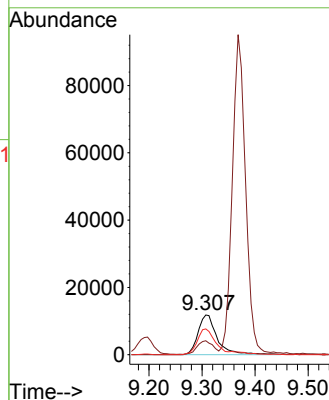
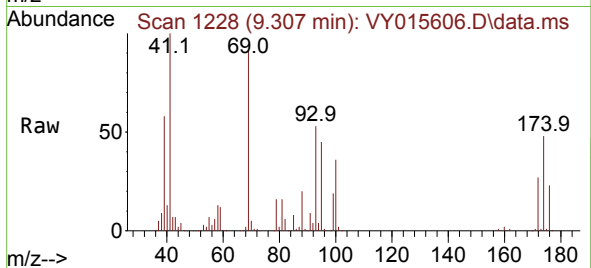
Tgt Ion: 88 Resp: 29579

Ion Ratio Lower Upper

88 100

43 28.5 0.0 0.0#

58 67.4 30.9 46.3#



#50

Toluene-d8

Concen: 40.435 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.012 min

Lab File: VY015606.D

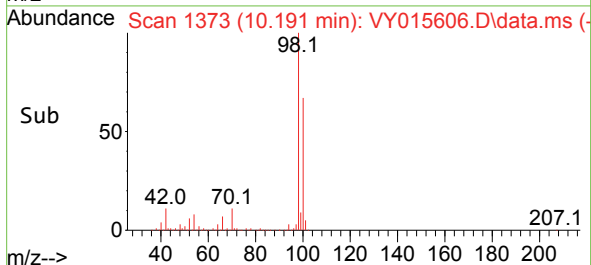
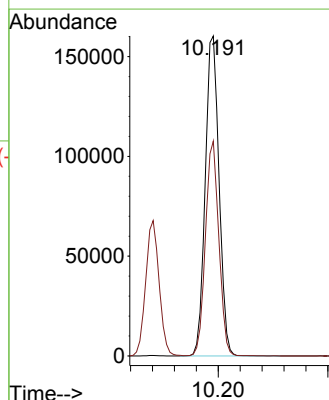
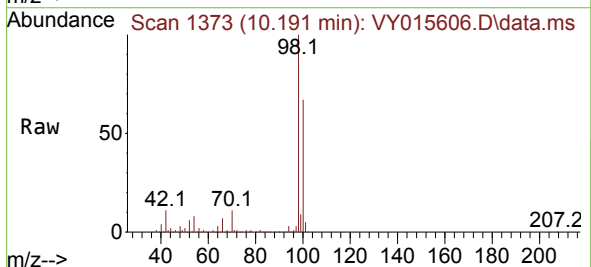
Acq: 16 Sep 2023 06:41

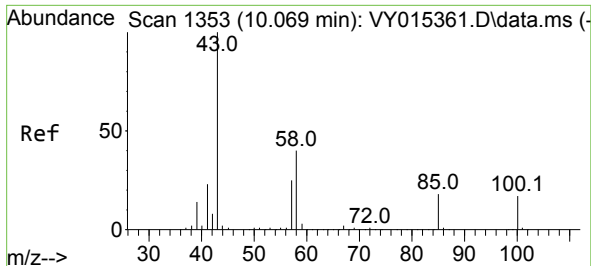
Tgt Ion: 98 Resp: 279027

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1

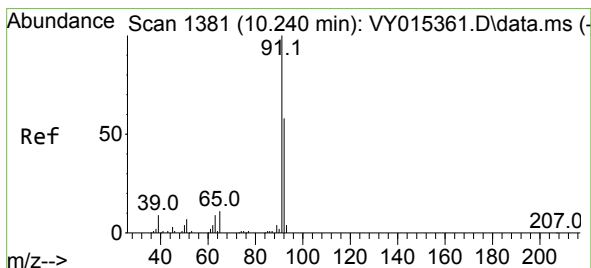
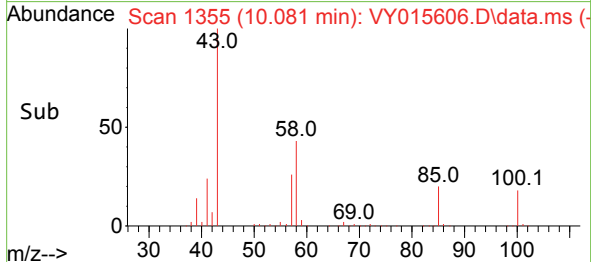
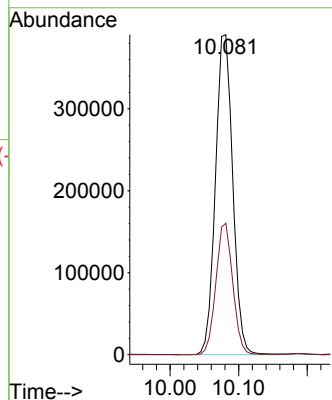
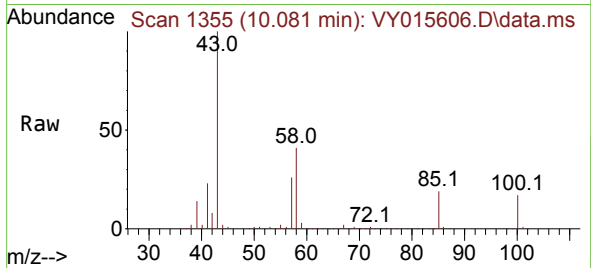




#51  
4-Methyl-2-Pentanone  
Concen: 263.192 ug/l  
RT: 10.081 min Scan# 1355  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

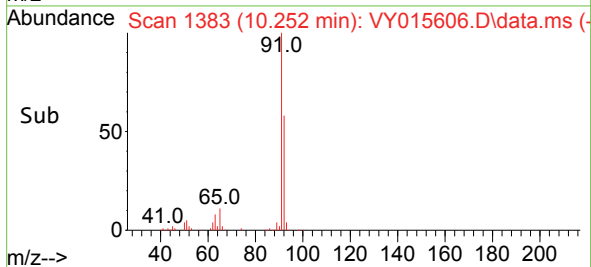
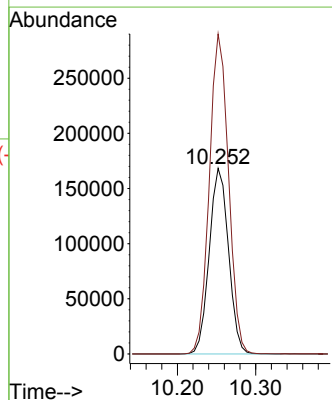
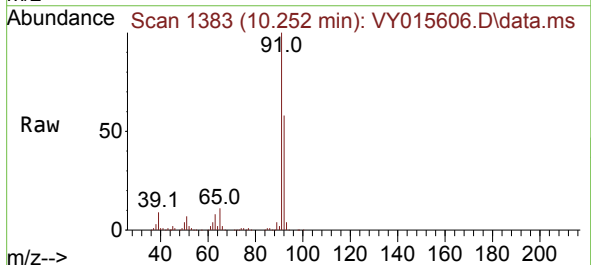
Instrument :  
MSVOA\_Y  
ClientSampleId :

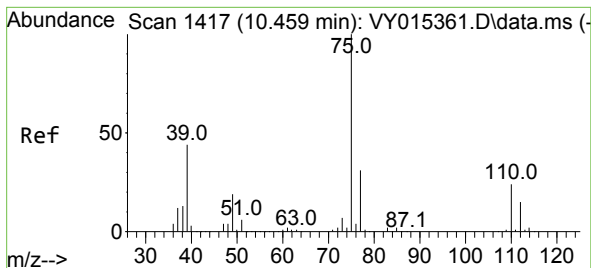
Tgt Ion: 43 Resp: 682613  
Ion Ratio Lower Upper  
43 100  
58 40.1 29.0 43.6



#52  
Toluene  
Concen: 48.012 ug/l  
RT: 10.252 min Scan# 1383  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion: 92 Resp: 287264  
Ion Ratio Lower Upper  
92 100  
91 171.8 143.8 215.6

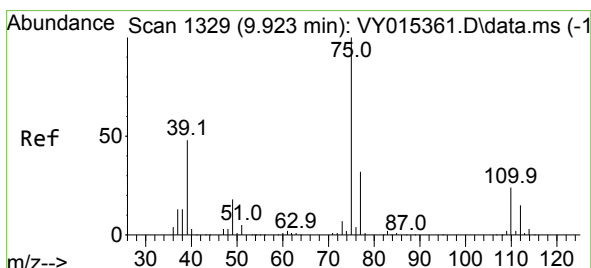
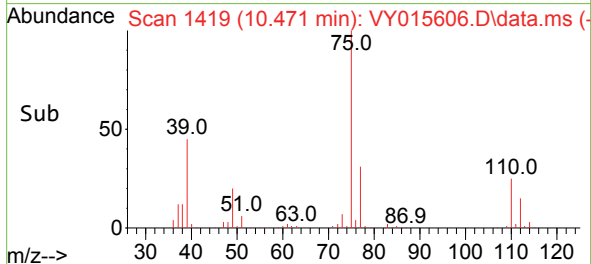
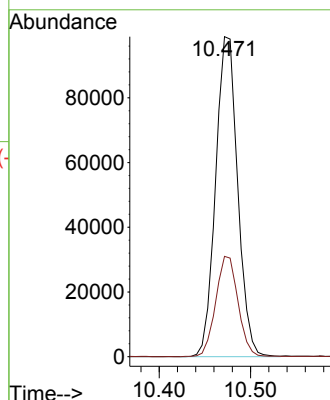
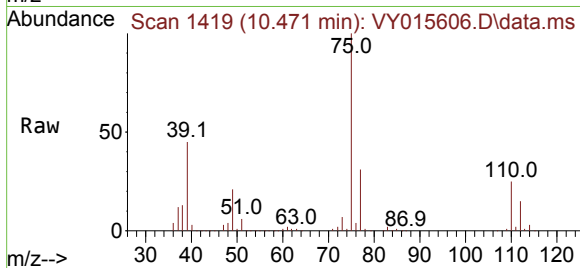




#53  
 t-1,3-Dichloropropene  
 Concen: 46.698 ug/l  
 RT: 10.471 min Scan# 1417  
 Delta R.T. 0.012 min  
 Lab File: VY015606.D  
 Acq: 16 Sep 2023 06:41

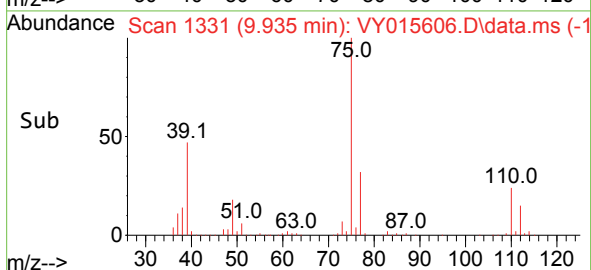
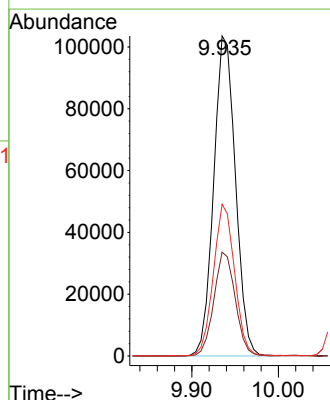
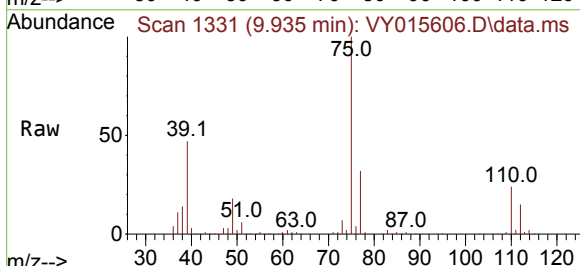
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

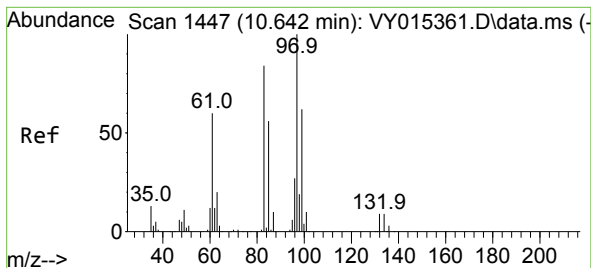
Tgt Ion: 75 Resp: 165904  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 46.792 ug/l  
 RT: 9.935 min Scan# 1331  
 Delta R.T. 0.012 min  
 Lab File: VY015606.D  
 Acq: 16 Sep 2023 06:41

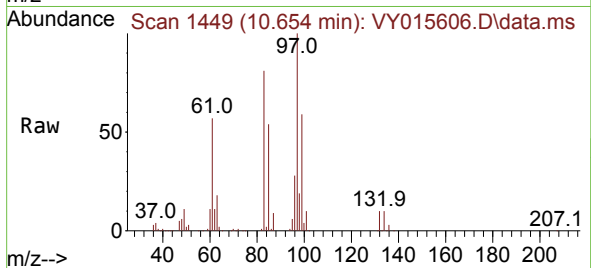
Tgt Ion: 75 Resp: 180834  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 24.2 36.4  
 39 47.4 42.2 63.4



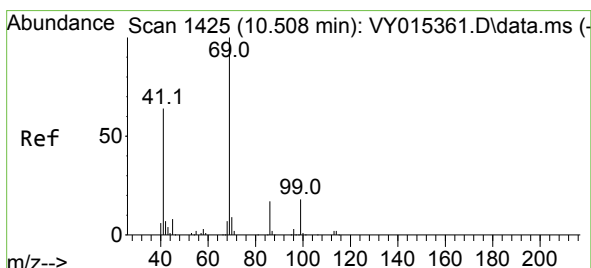
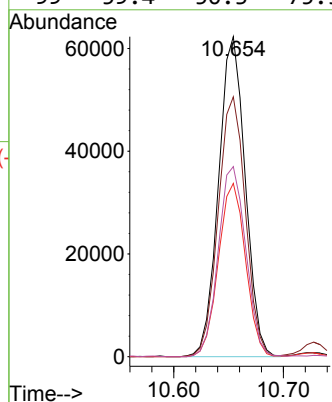
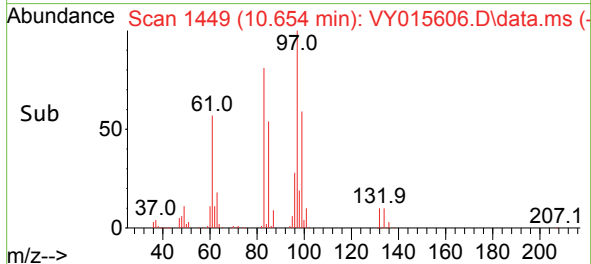


#55  
1,1,2-Trichloroethane  
Concen: 50.084 ug/l  
RT: 10.654 min Scan# 1449  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

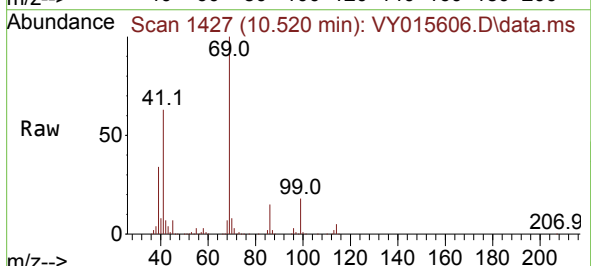
Instrument :  
MSVOA\_Y  
ClientSampleId :



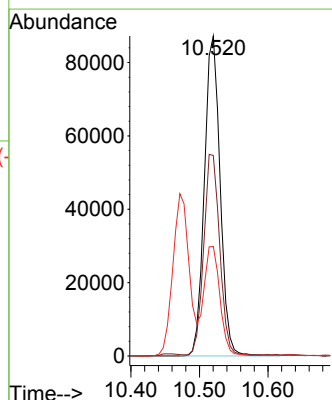
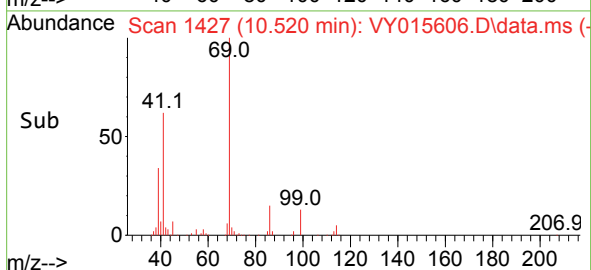
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 105489 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 81.2  | 72.0  | 108.0  |
| 85       | 54.1  | 45.4  | 68.0   |
| 99       | 59.4  | 50.3  | 75.5   |

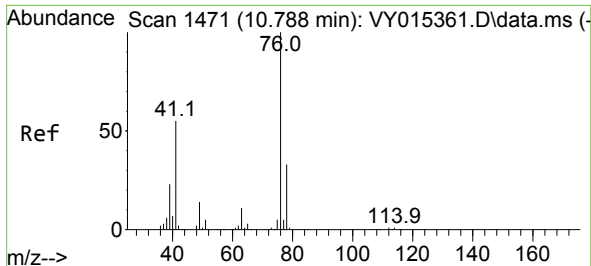


#56  
Ethyl methacrylate  
Concen: 44.861 ug/l  
RT: 10.520 min Scan# 1427  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 140020 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 63.5  | 57.6  | 86.4   |
| 39       | 34.8  | 34.1  | 51.1   |





#57

1,3-Dichloropropane

Concen: 48.739 ug/l

RT: 10.801 min Scan# 1473

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

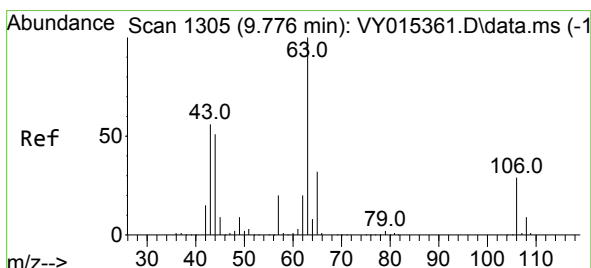
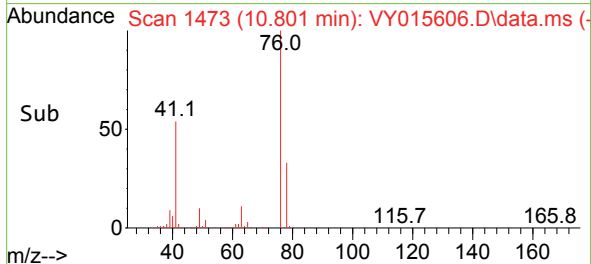
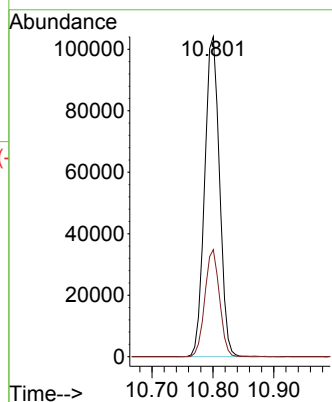
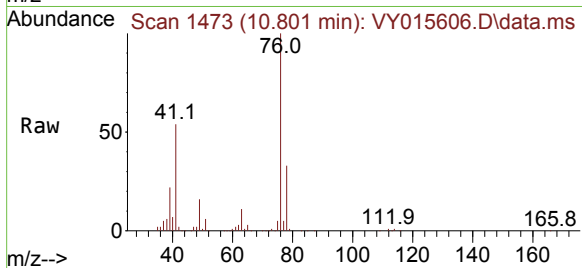
ClientSampleId :

Tgt Ion: 76 Resp: 176711

Ion Ratio Lower Upper

76 100

78 32.9 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 217.213 ug/l

RT: 9.789 min Scan# 1307

Delta R.T. 0.012 min

Lab File: VY015606.D

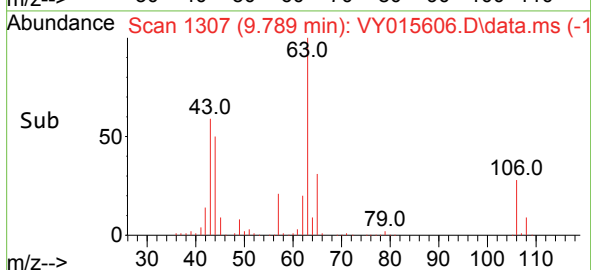
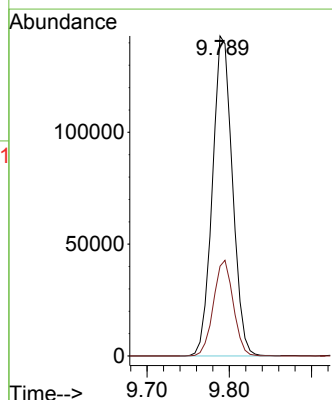
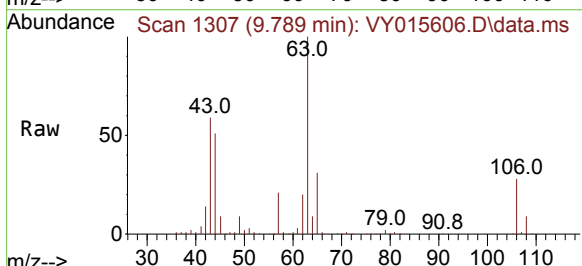
Acq: 16 Sep 2023 06:41

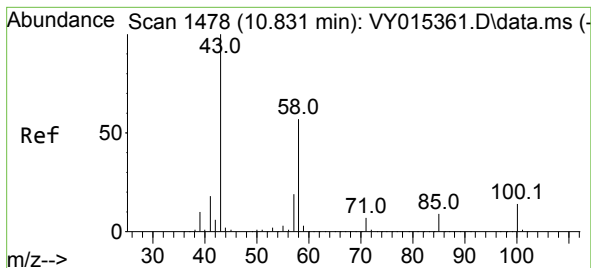
Tgt Ion: 63 Resp: 241992

Ion Ratio Lower Upper

63 100

106 29.6 21.2 31.8

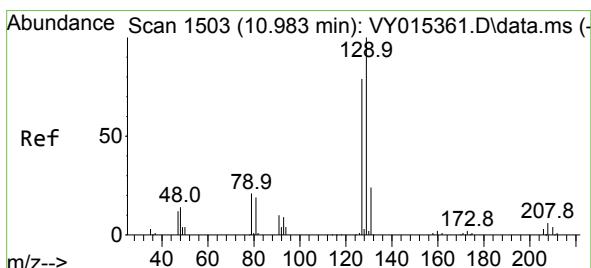
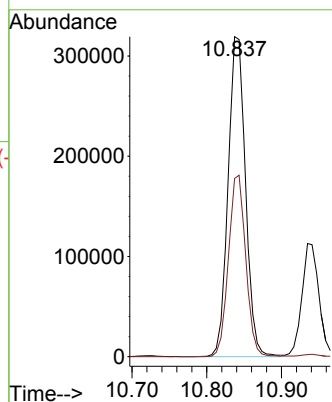
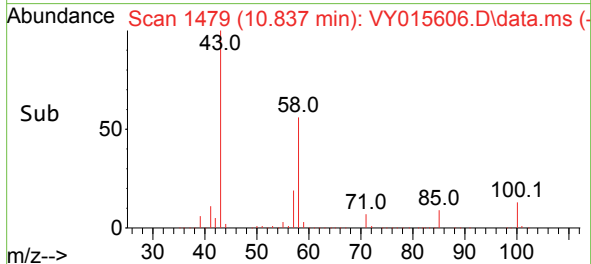
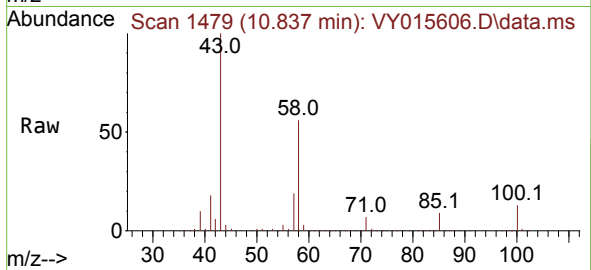




#59  
2-Hexanone  
Concen: 266.202 ug/l  
RT: 10.837 min Scan# 1478  
Delta R.T. 0.006 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

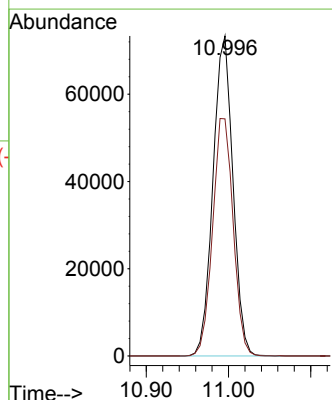
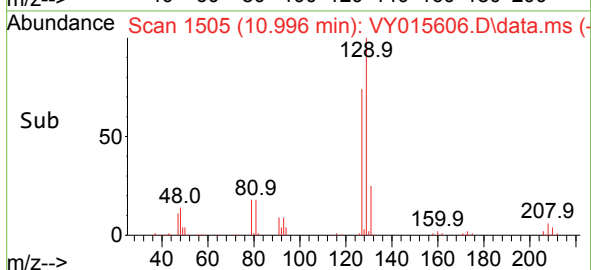
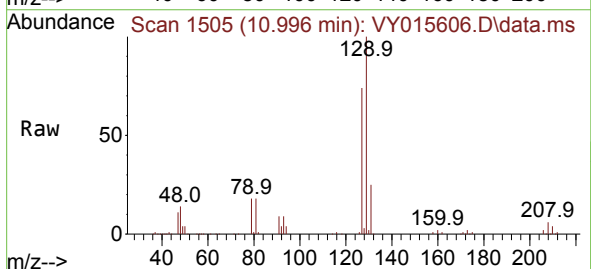
Instrument :  
MSVOA\_Y  
ClientSampleId :

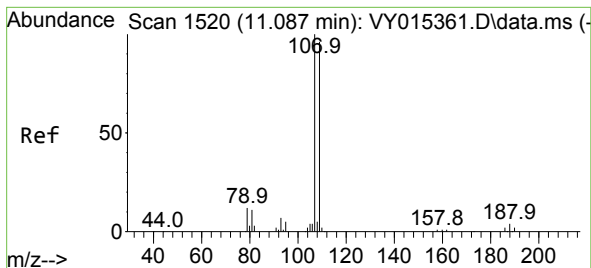
Tgt Ion: 43 Resp: 518056  
Ion Ratio Lower Upper  
43 100  
58 56.4 25.1 75.3



#60  
Dibromochloromethane  
Concen: 50.102 ug/l  
RT: 10.996 min Scan# 1505  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion:129 Resp: 123515  
Ion Ratio Lower Upper  
129 100  
127 76.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.656 ug/l

RT: 11.099 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

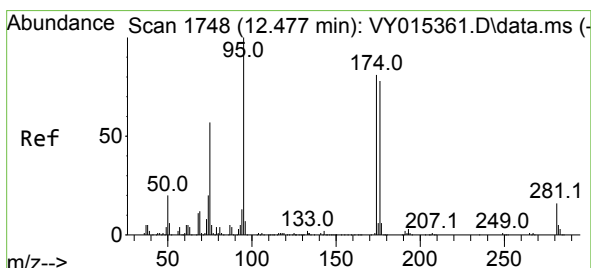
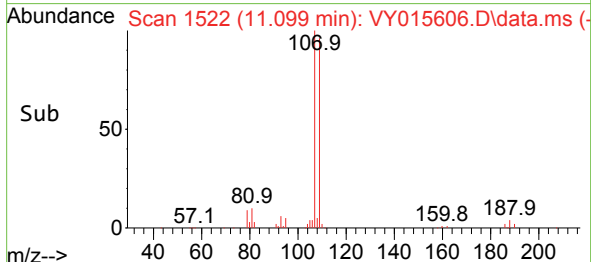
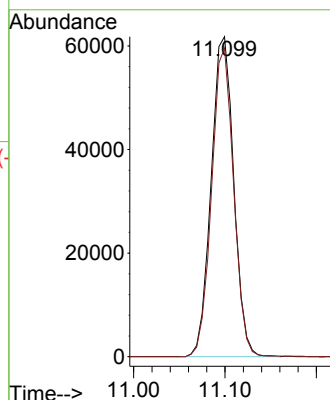
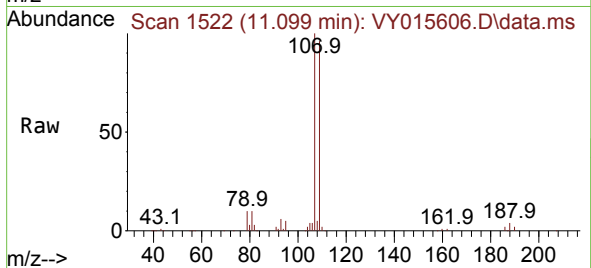
ClientSampleId :

Tgt Ion:107 Resp: 105976

Ion Ratio Lower Upper

107 100

109 93.9 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 42.298 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

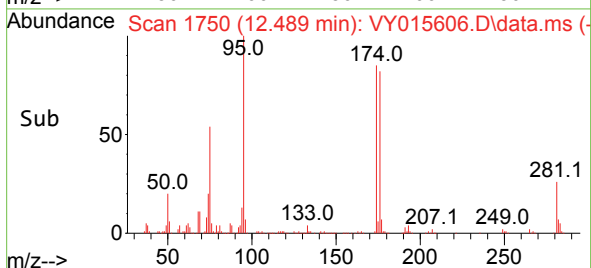
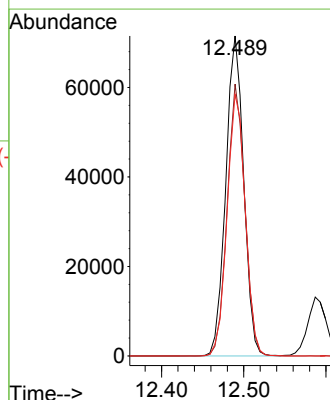
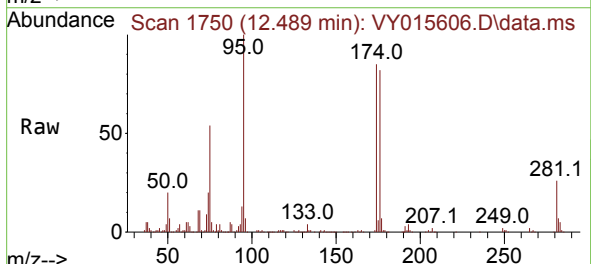
Tgt Ion: 95 Resp: 108359

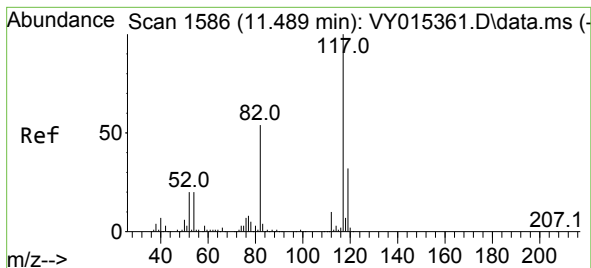
Ion Ratio Lower Upper

95 100

174 83.8 0.0 178.2

176 82.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

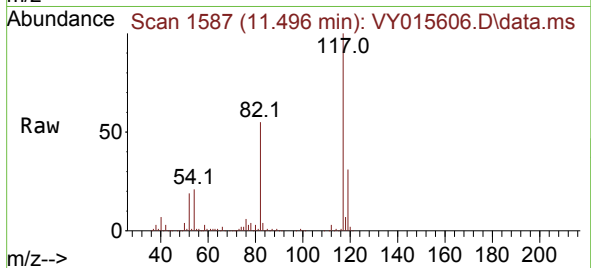
Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :



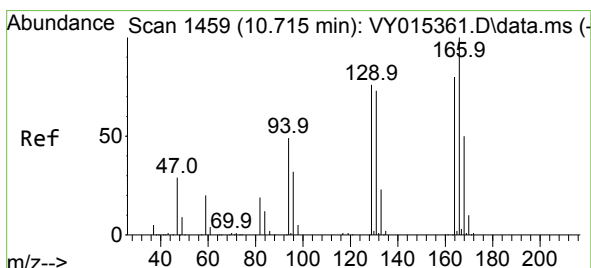
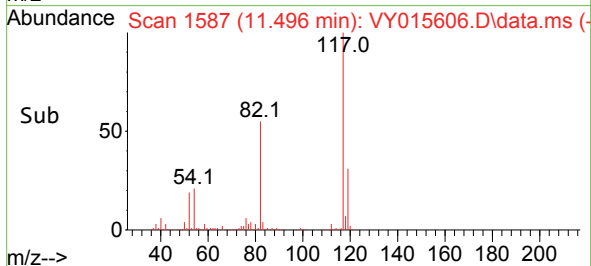
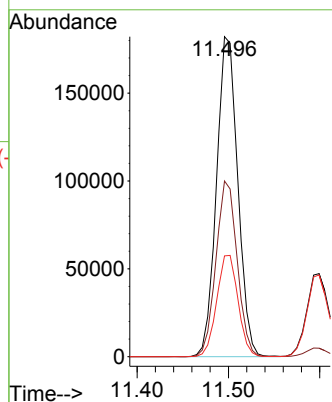
Tgt Ion:117 Resp: 295330

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.0

119 31.5 26.3 39.5



#64

Tetrachloroethene

Concen: 64.268 ug/l

RT: 10.727 min Scan# 1461

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Tgt Ion:164 Resp: 172276

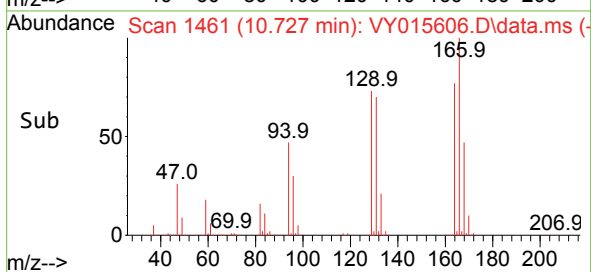
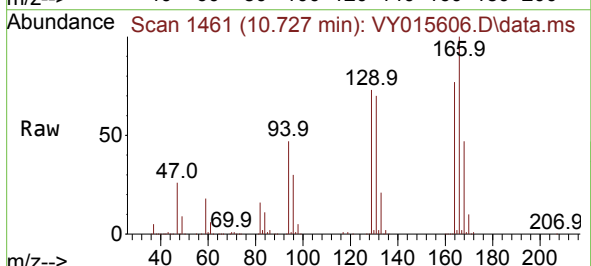
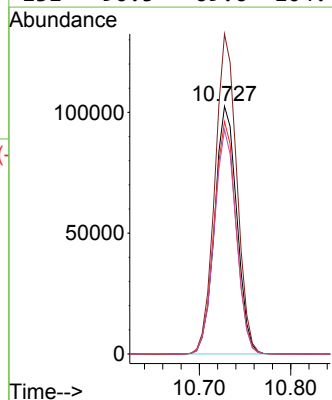
Ion Ratio Lower Upper

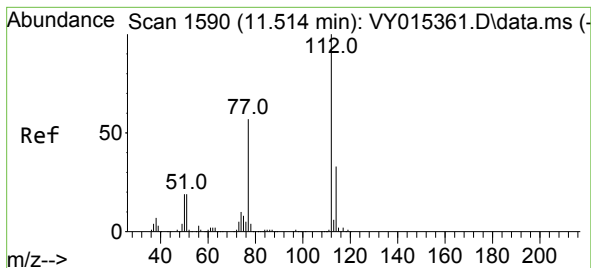
164 100

166 129.2 103.0 154.6

129 93.9 77.2 115.8

131 90.5 69.6 104.4





#65

Chlorobenzene

Concen: 48.199 ug/l

RT: 11.526 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

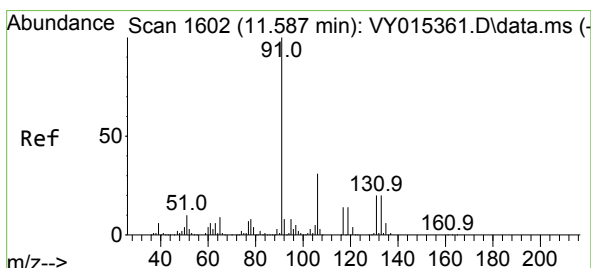
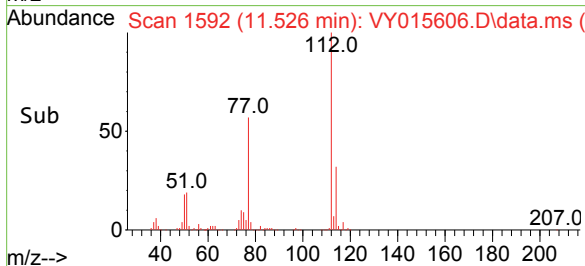
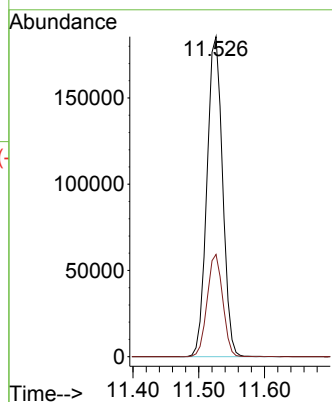
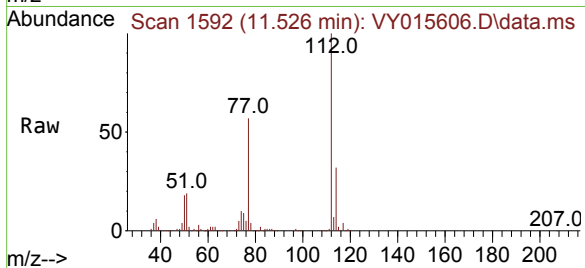
ClientSampleId :

Tgt Ion:112 Resp: 306739

Ion Ratio Lower Upper

112 100

114 32.0 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 50.157 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

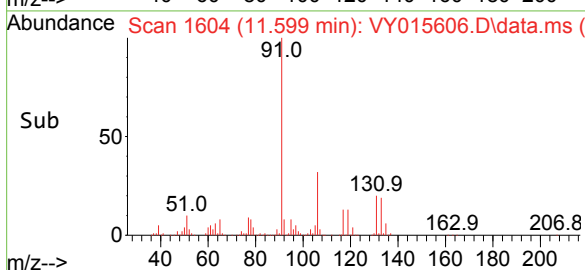
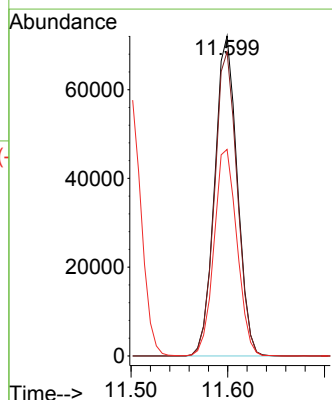
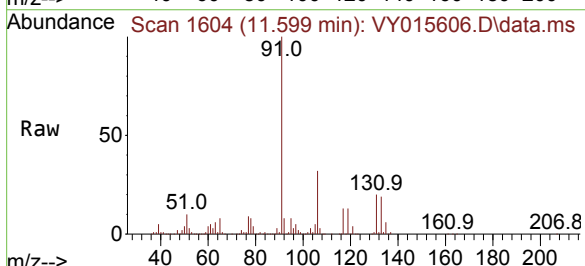
Tgt Ion:131 Resp: 116832

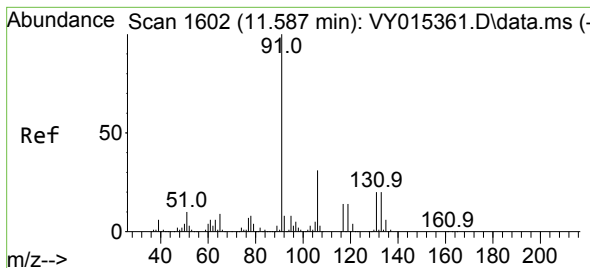
Ion Ratio Lower Upper

131 100

133 95.6 47.5 142.6

119 65.8 31.6 94.7





#67

Ethyl Benzene

Concen: 48.348 ug/l

RT: 11.599 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

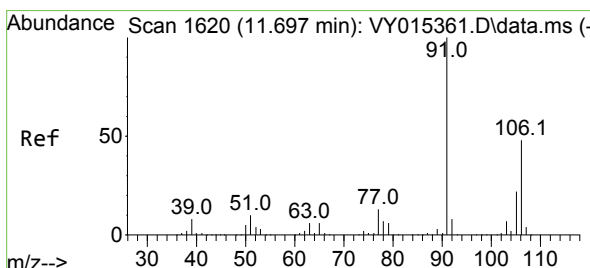
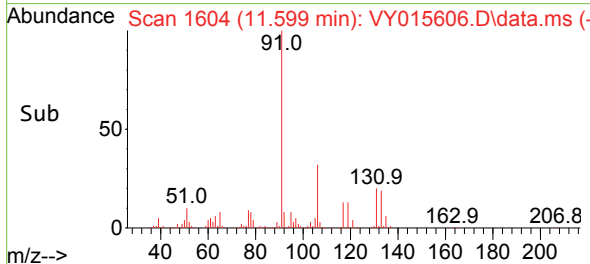
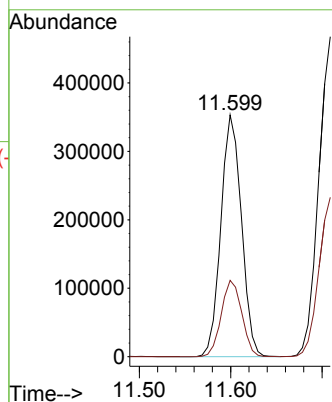
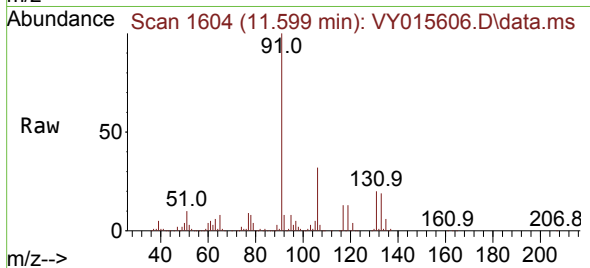
ClientSampleId :

Tgt Ion: 91 Resp: 552489

Ion Ratio Lower Upper

91 100

106 31.6 24.6 36.8



#68

m/p-Xylenes

Concen: 96.759 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.006 min

Lab File: VY015606.D

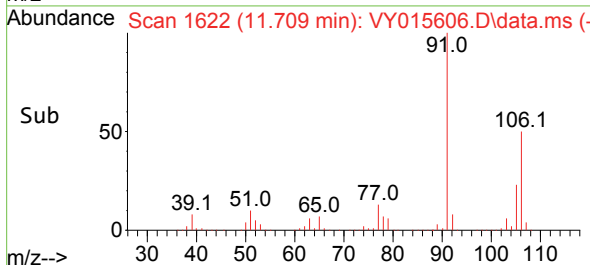
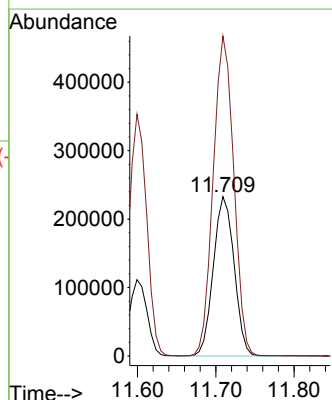
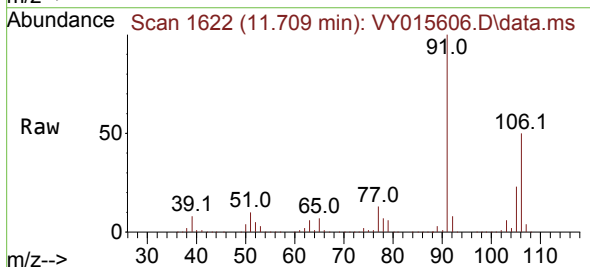
Acq: 16 Sep 2023 06:41

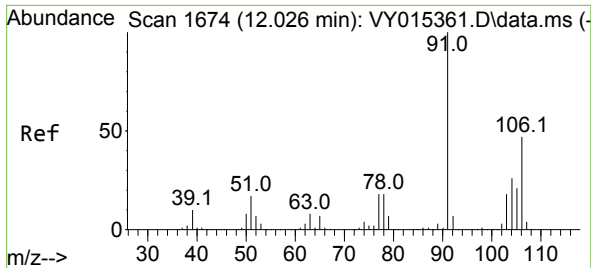
Tgt Ion:106 Resp: 428588

Ion Ratio Lower Upper

106 100

91 199.4 166.1 249.1

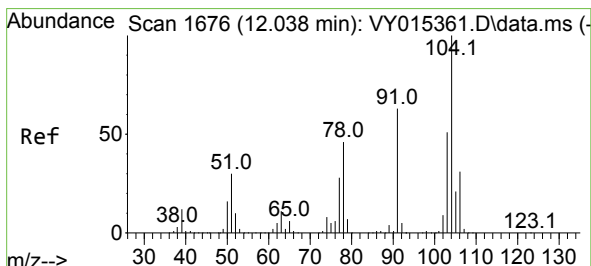
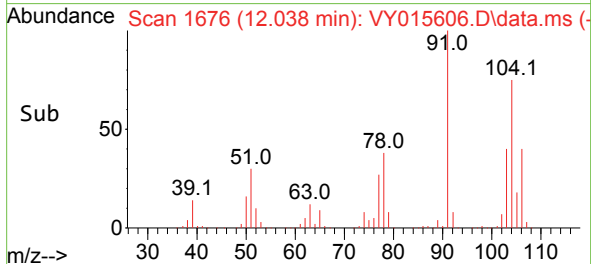
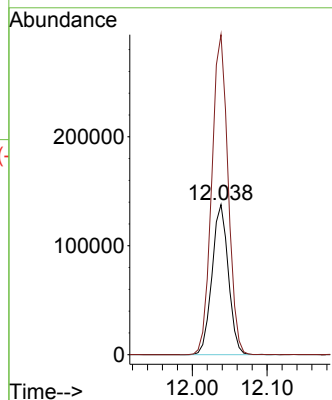
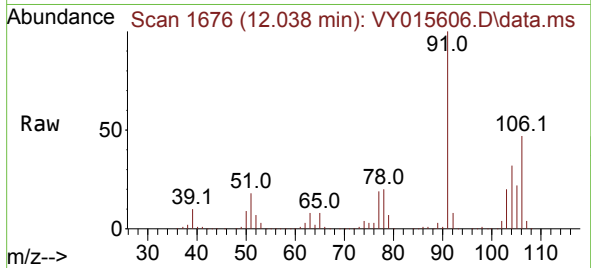




#69  
o-Xylene  
Concen: 49.461 ug/l  
RT: 12.038 min Scan# 1676  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

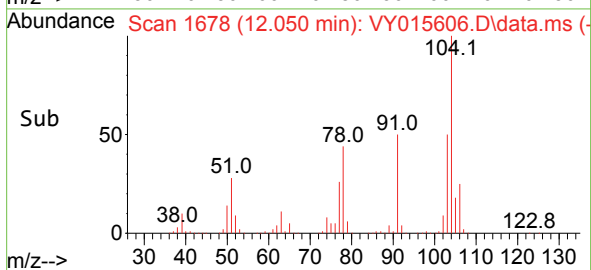
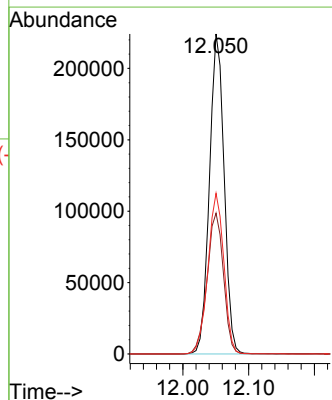
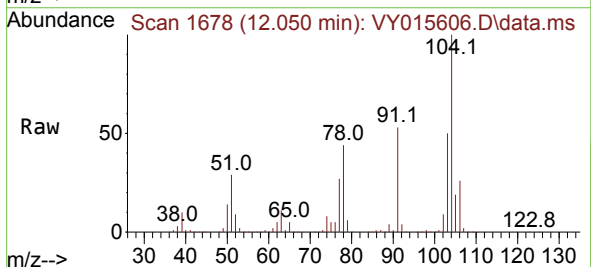
Instrument :  
MSVOA\_Y  
ClientSampleId :

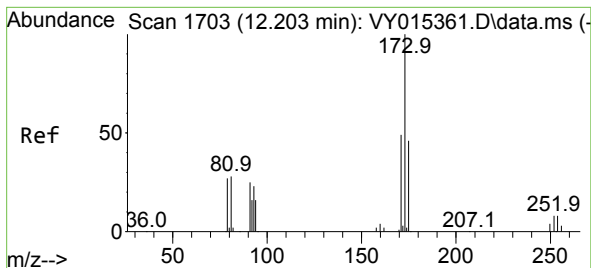
Tgt Ion:106 Resp: 209378  
Ion Ratio Lower Upper  
106 100  
91 213.6 108.1 324.3



#70  
Styrene  
Concen: 49.043 ug/l  
RT: 12.050 min Scan# 1678  
Delta R.T. 0.006 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion:104 Resp: 349080  
Ion Ratio Lower Upper  
104 100  
78 49.1 41.5 62.3  
103 54.4 44.6 67.0





#71

Bromoform

Concen: 52.381 ug/l

RT: 12.215 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :

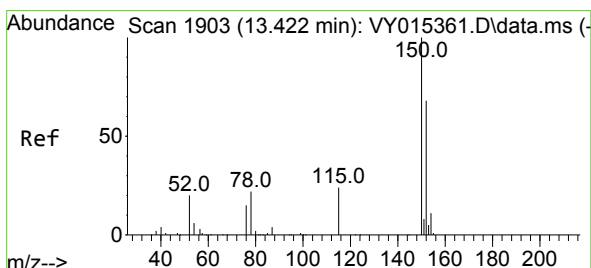
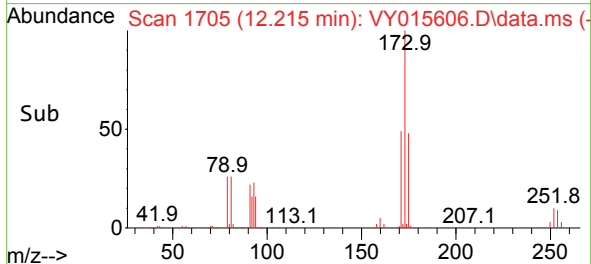
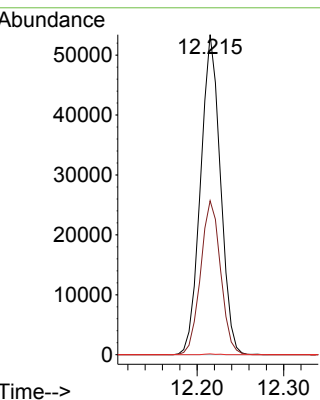
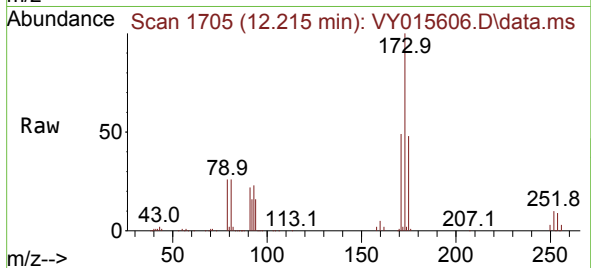
Tgt Ion:173 Resp: 85112

Ion Ratio Lower Upper

173 100

175 48.4 24.6 73.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

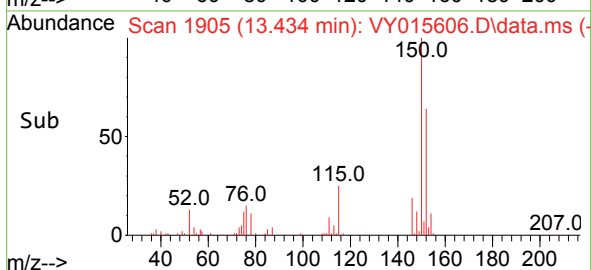
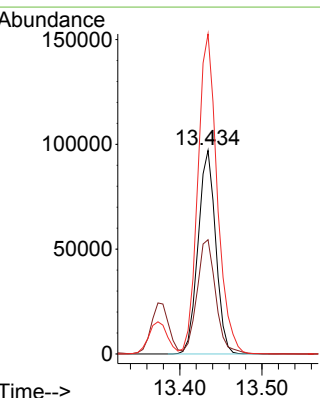
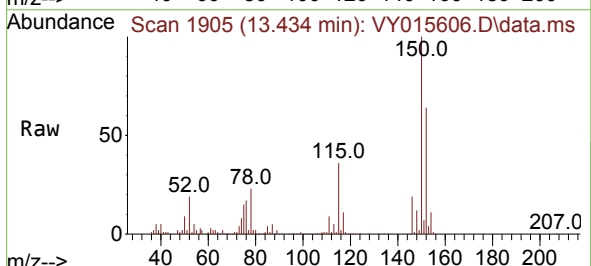
Tgt Ion:152 Resp: 144271

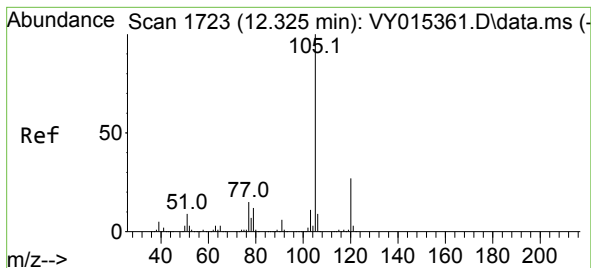
Ion Ratio Lower Upper

152 100

115 59.6 28.8 86.5

150 173.4 0.0 348.8





#73

Isopropylbenzene

Concen: 50.669 ug/l

RT: 12.337 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

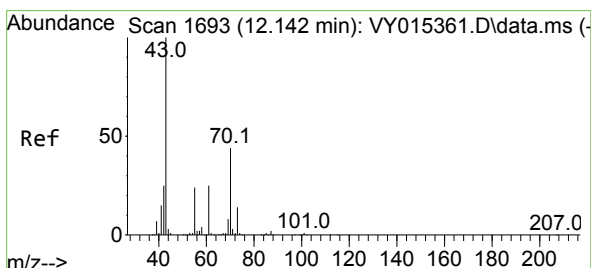
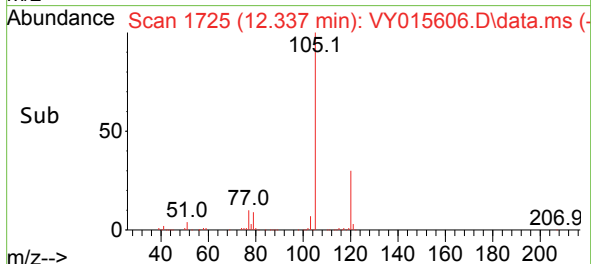
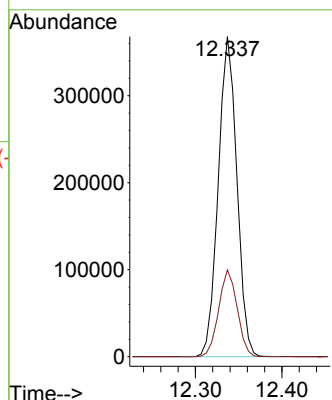
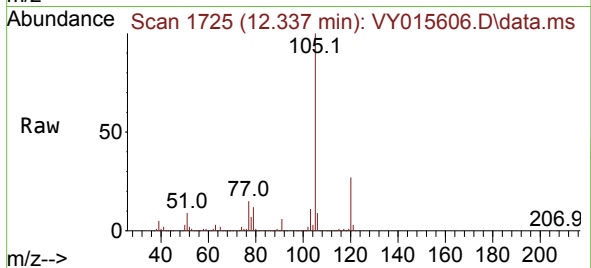
ClientSampleId :

Tgt Ion:105 Resp: 549081

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 45.944 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Tgt Ion: 43 Resp: 167271

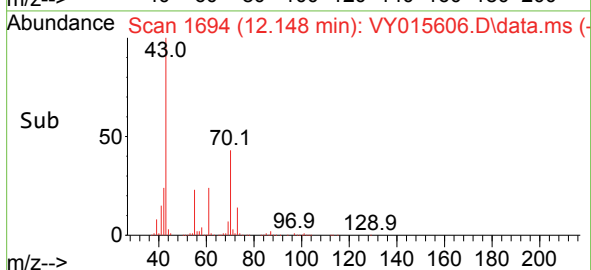
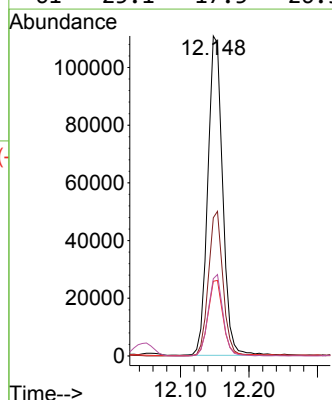
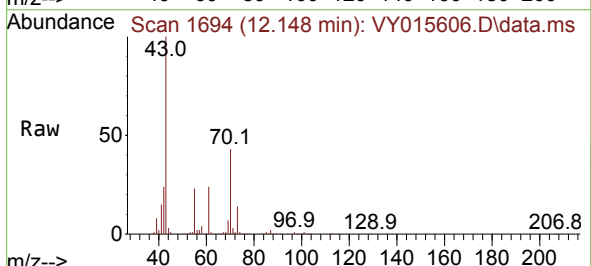
Ion Ratio Lower Upper

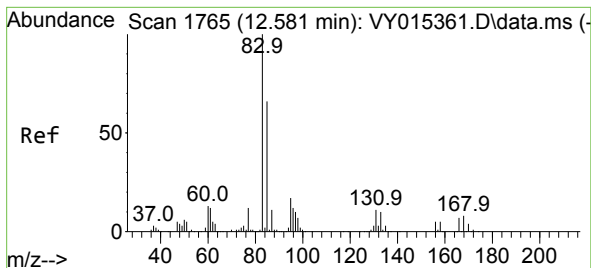
43 100

70 44.9 29.7 44.5

55 23.7 18.3 27.5

61 25.1 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.872 ug/l

RT: 12.587 min Scan# 1766

Delta R.T. 0.006 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :

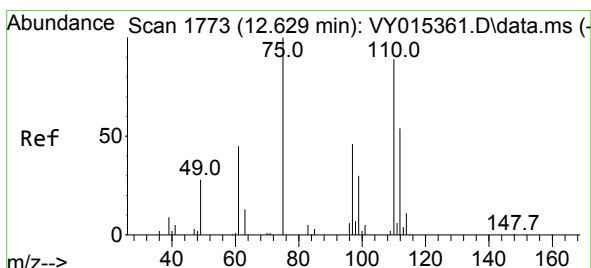
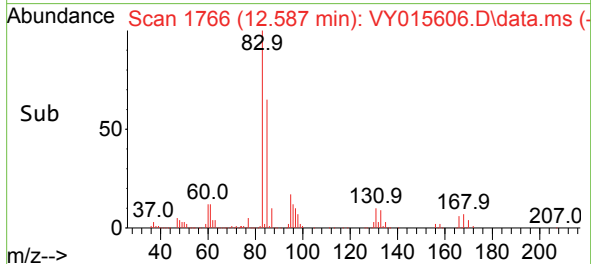
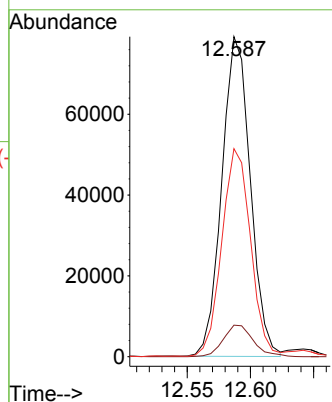
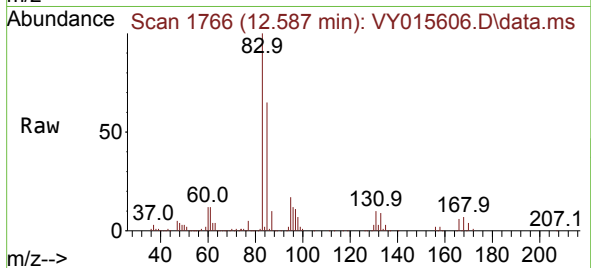
Tgt Ion: 83 Resp: 123841

Ion Ratio Lower Upper

83 100

131 10.4 5.4 16.2

85 65.2 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 92.321 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. 0.012 min

Lab File: VY015606.D

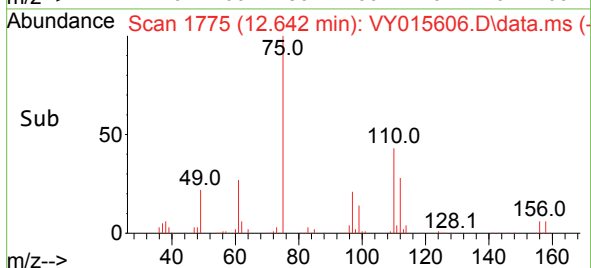
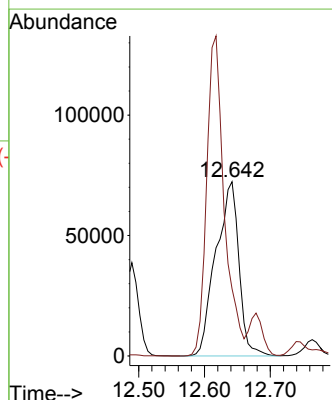
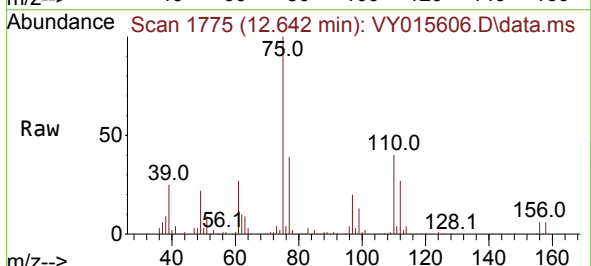
Acq: 16 Sep 2023 06:41

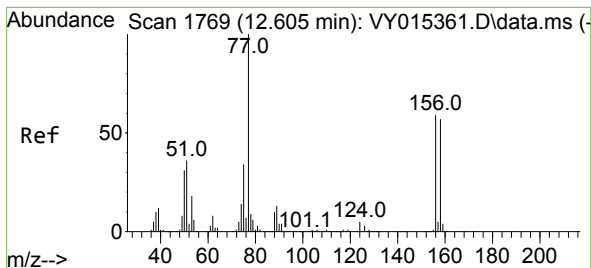
Tgt Ion: 75 Resp: 176627

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.371 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :

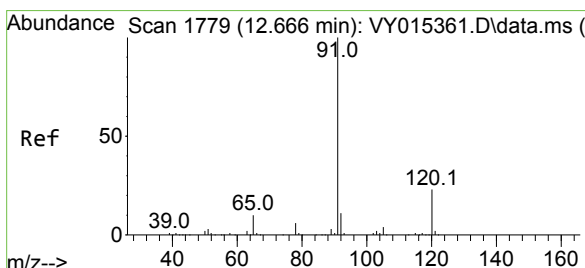
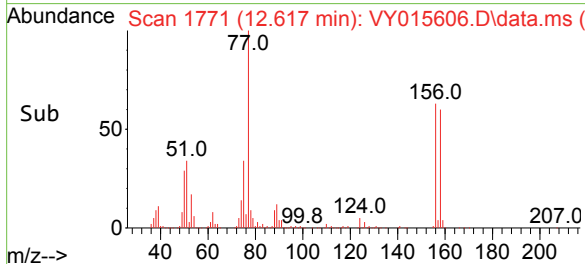
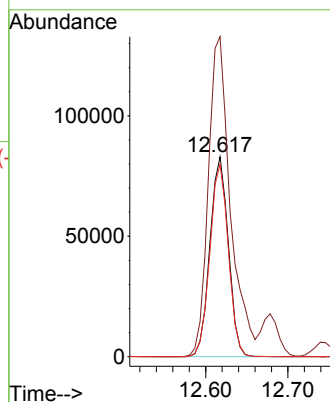
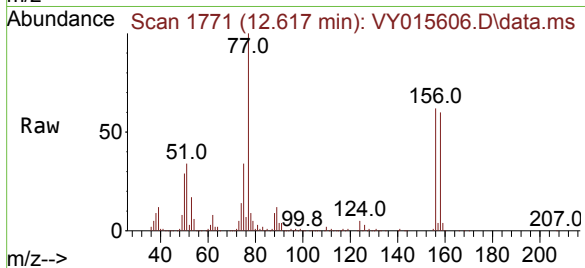
Tgt Ion:156 Resp: 129284

Ion Ratio Lower Upper

156 100

77 191.9 92.8 278.6

158 96.2 48.4 145.3



#78

n-propylbenzene

Concen: 49.185 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.012 min

Lab File: VY015606.D

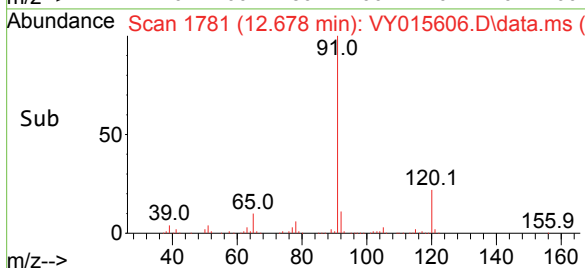
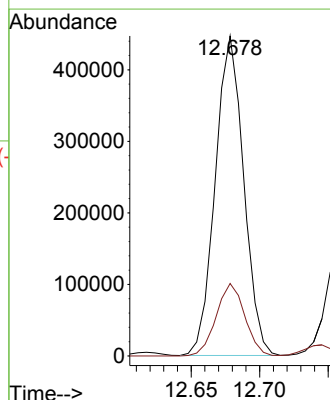
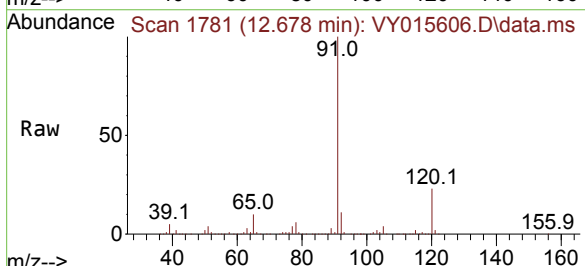
Acq: 16 Sep 2023 06:41

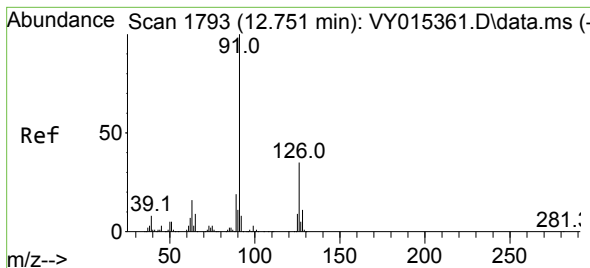
Tgt Ion: 91 Resp: 644947

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4

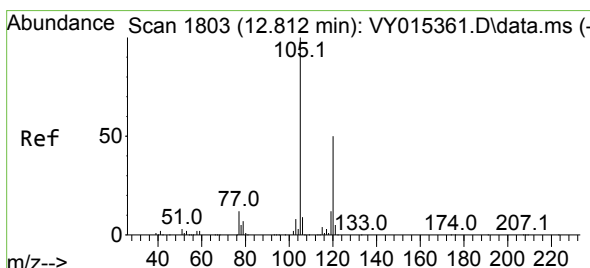
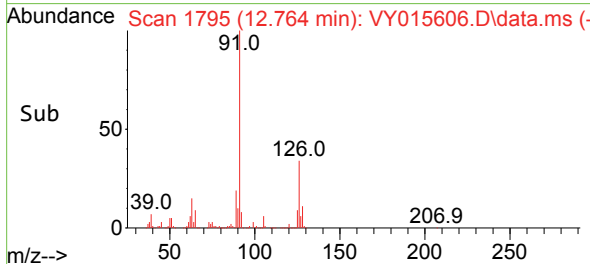
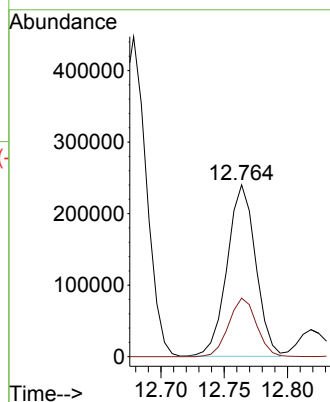
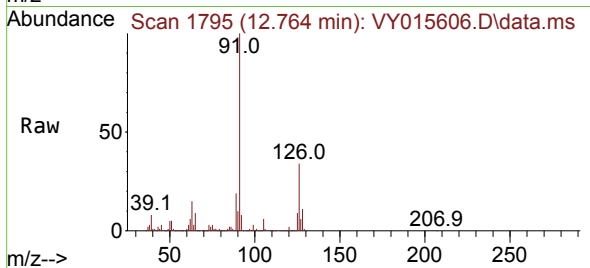




#79  
2-Chlorotoluene  
Concen: 51.304 ug/l  
RT: 12.764 min Scan# 1795  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

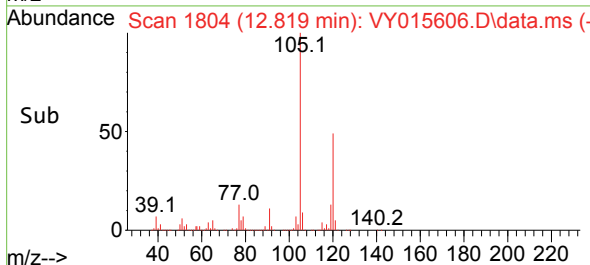
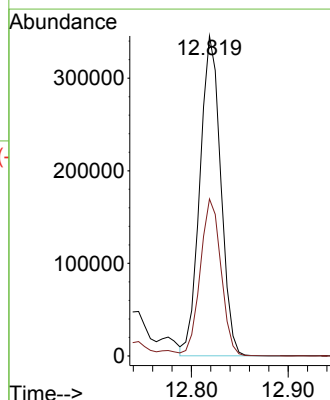
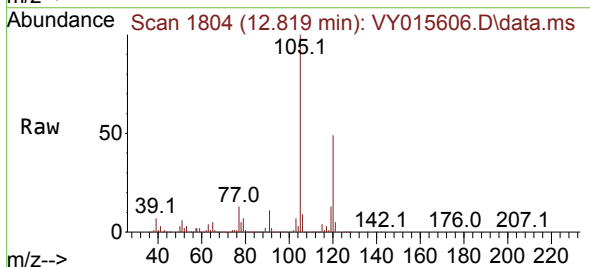
Instrument :  
MSVOA\_Y  
ClientSampleId :

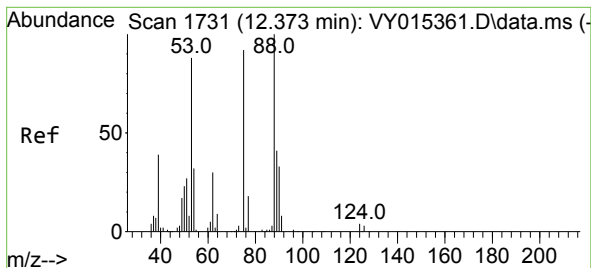
Tgt Ion: 91 Resp: 377324  
Ion Ratio Lower Upper  
91 100  
126 33.4 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 57.014 ug/l  
RT: 12.819 min Scan# 1804  
Delta R.T. 0.006 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion: 105 Resp: 516785  
Ion Ratio Lower Upper  
105 100  
120 48.9 23.9 71.7

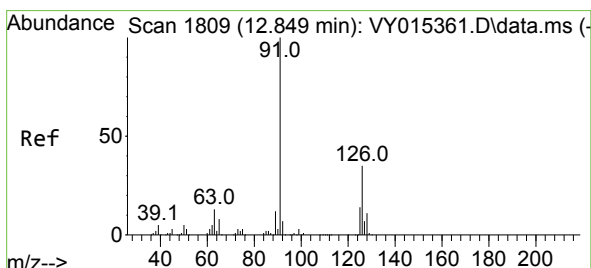
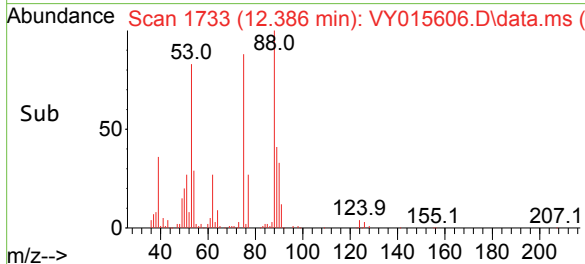
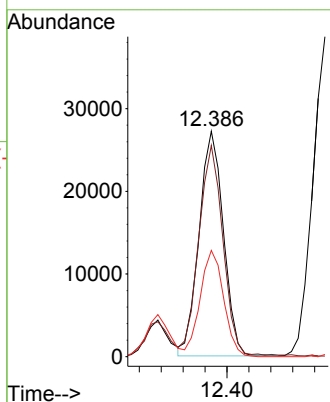
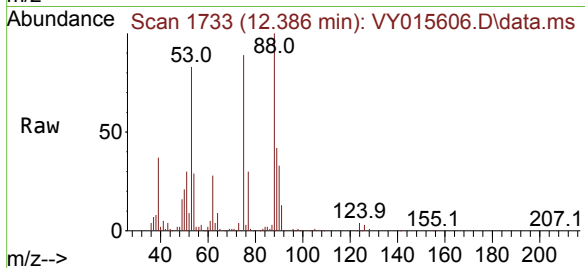




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.290 ug/l  
RT: 12.386 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

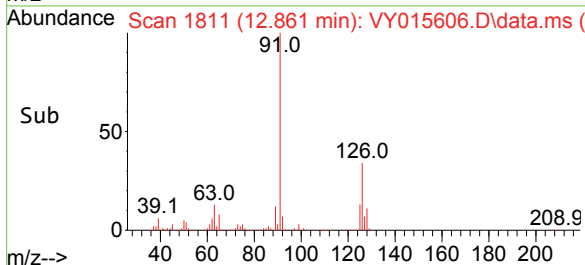
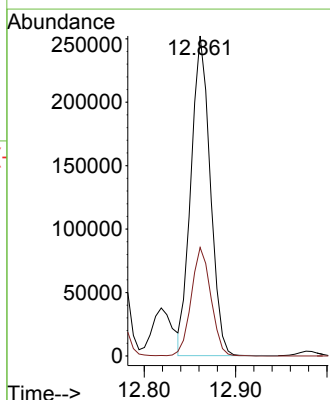
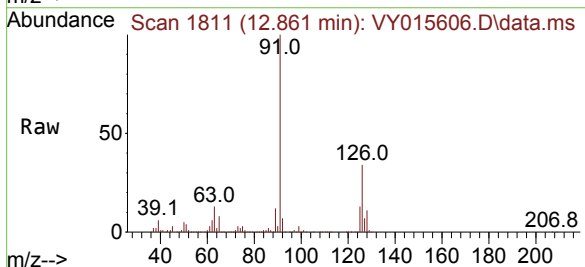
Instrument :  
MSVOA\_Y  
ClientSampleId :

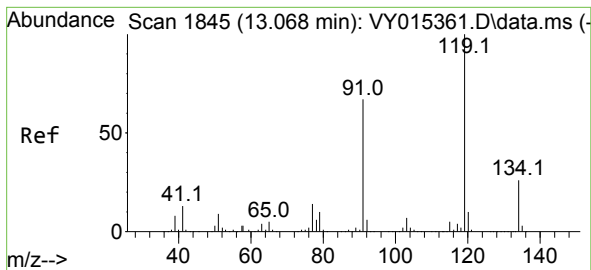
Tgt Ion: 75 Resp: 41882  
Ion Ratio Lower Upper  
75 100  
53 93.9 77.8 116.8  
89 45.5 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 48.305 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. 0.012 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion: 91 Resp: 369230  
Ion Ratio Lower Upper  
91 100  
126 34.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 50.748 ug/l

RT: 13.081 min Scan# 1847

Delta R.T. 0.006 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :

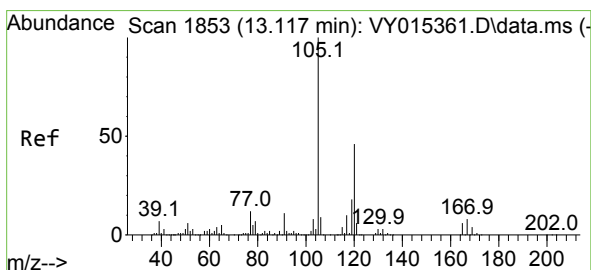
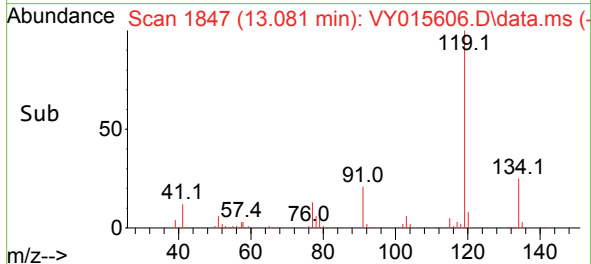
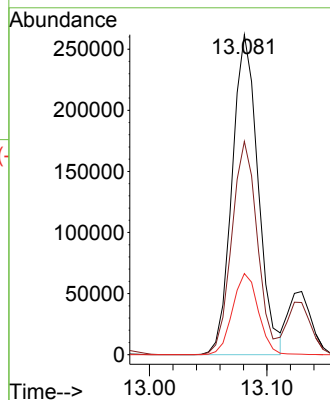
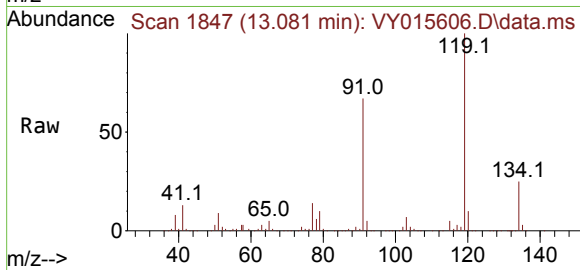
Tgt Ion:119 Resp: 402894

Ion Ratio Lower Upper

119 100

91 65.1 32.9 98.6

134 25.2 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 67.448 ug/l

RT: 13.130 min Scan# 1855

Delta R.T. 0.012 min

Lab File: VY015606.D

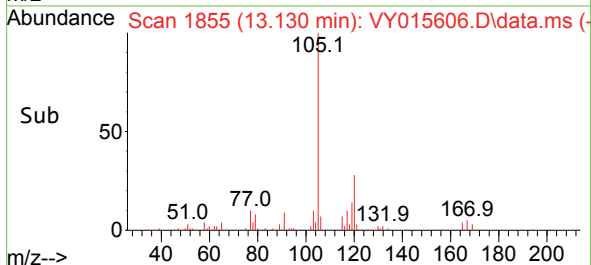
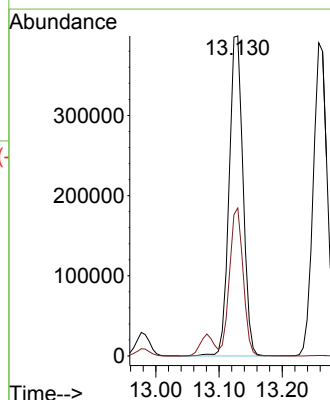
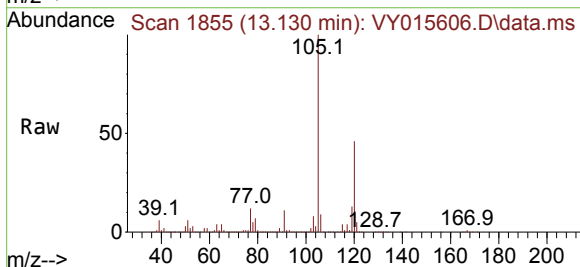
Acq: 16 Sep 2023 06:41

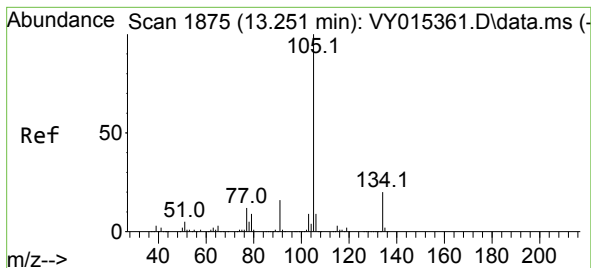
Tgt Ion:105 Resp: 607011

Ion Ratio Lower Upper

105 100

120 45.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 50.489 ug/l

RT: 13.258 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

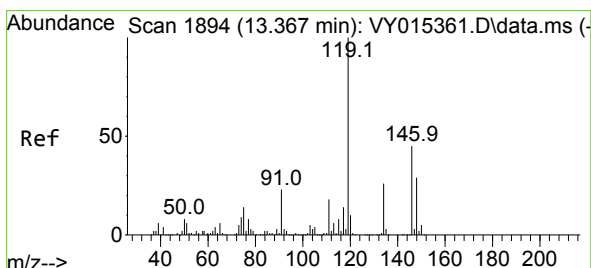
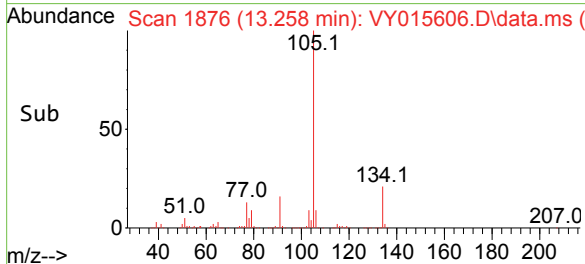
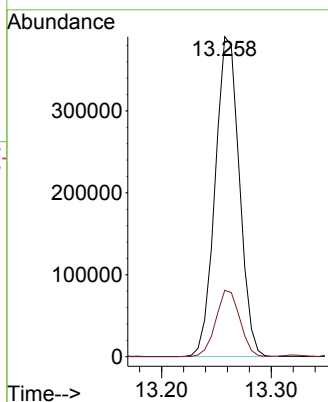
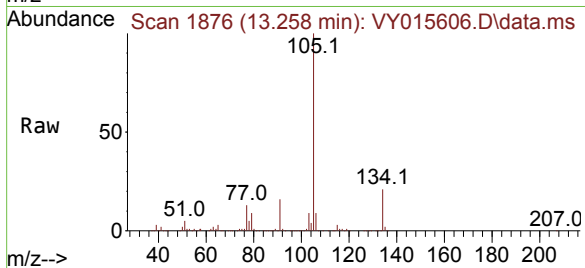
ClientSampleId :

Tgt Ion:105 Resp: 597863

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6



#86

p-Isopropyltoluene

Concen: 49.401 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

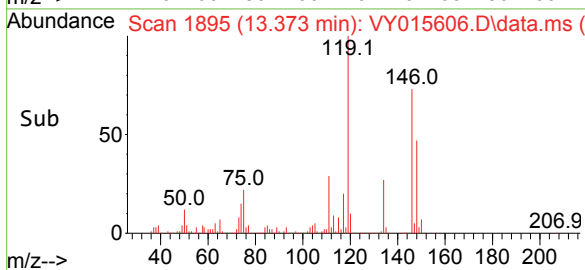
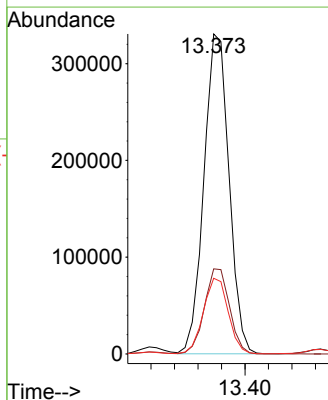
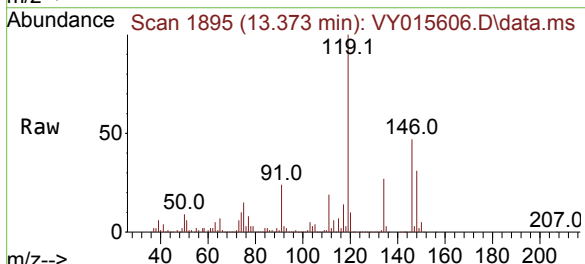
Tgt Ion:119 Resp: 490285

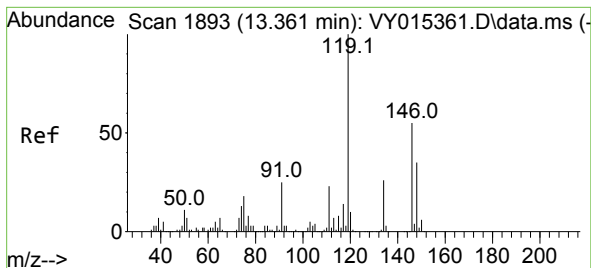
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 23.4 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 48.016 ug/l

RT: 13.373 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :

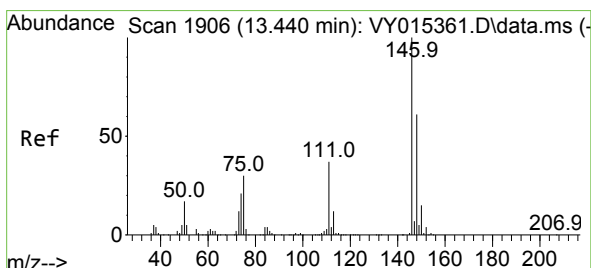
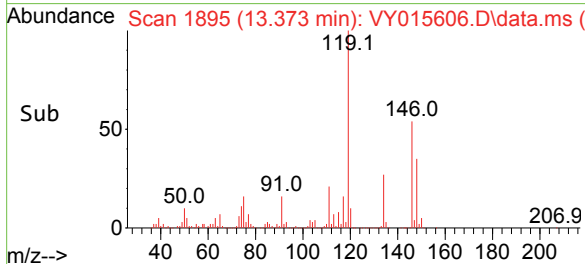
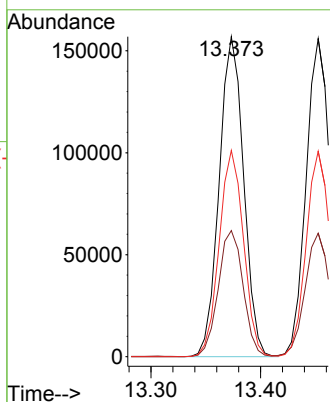
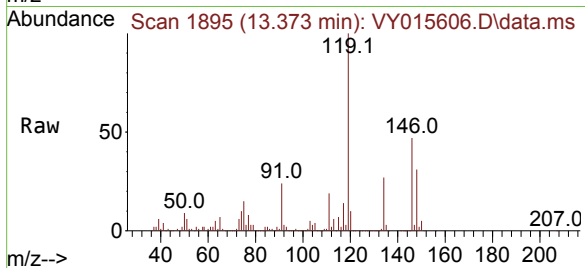
Tgt Ion:146 Resp: 243297

Ion Ratio Lower Upper

146 100

111 39.9 19.4 58.2

148 64.1 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 46.846 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

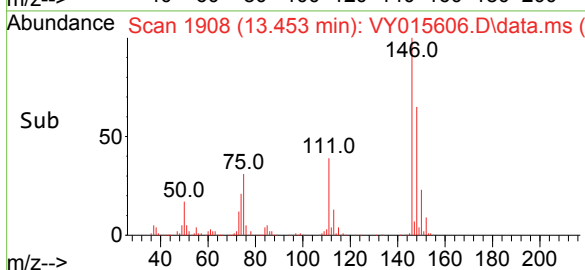
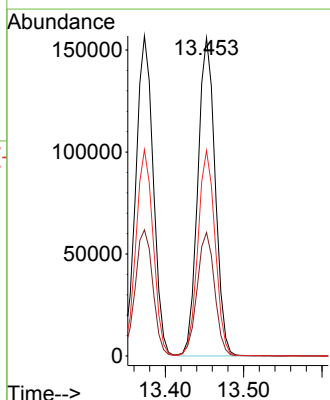
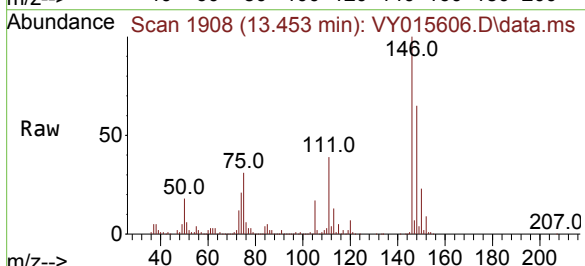
Tgt Ion:146 Resp: 239945

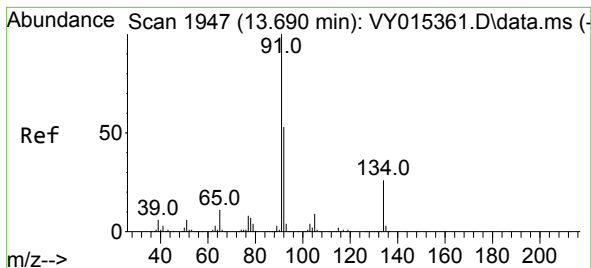
Ion Ratio Lower Upper

146 100

111 39.3 18.9 56.7

148 64.3 32.1 96.5





#89

n-Butylbenzene

Concen: 48.913 ug/l

RT: 13.703 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :

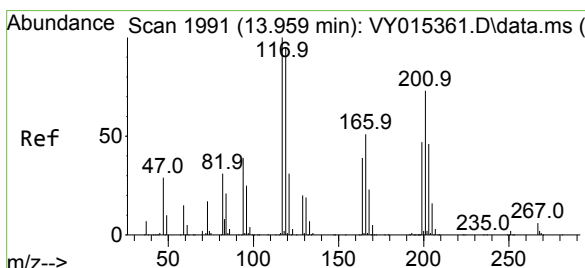
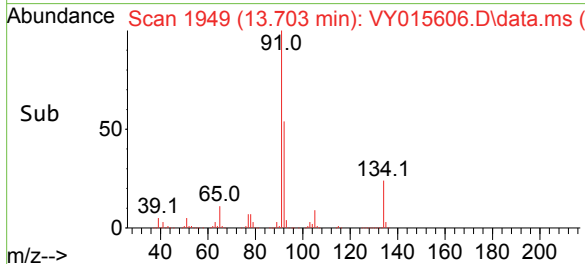
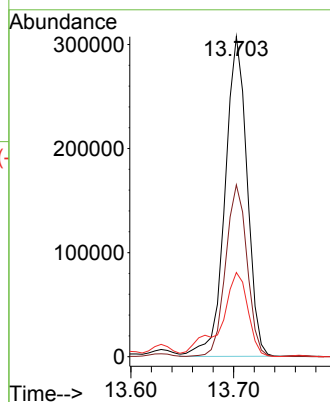
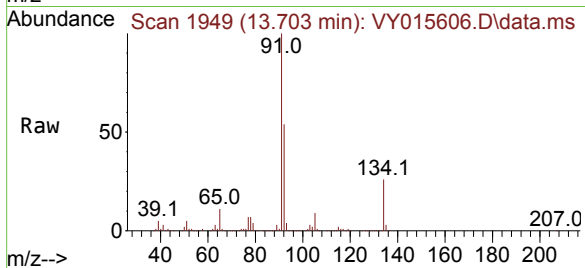
Tgt Ion: 91 Resp: 456895

Ion Ratio Lower Upper

91 100

92 52.6 25.4 76.0

134 32.5 12.6 37.6



#90

Hexachloroethane

Concen: 55.844 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY015606.D

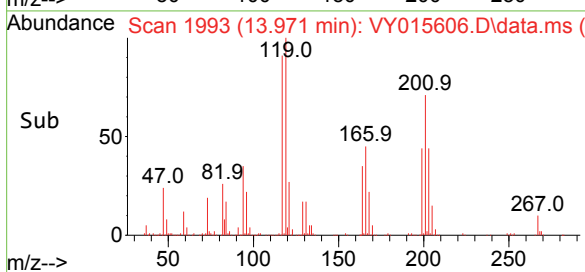
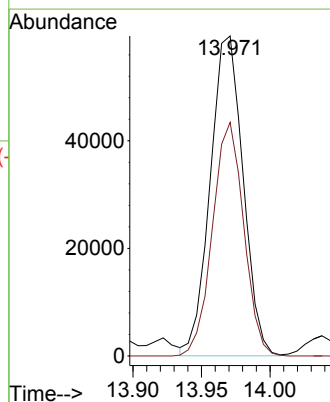
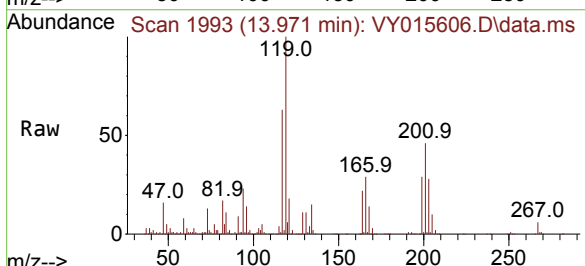
Acq: 16 Sep 2023 06:41

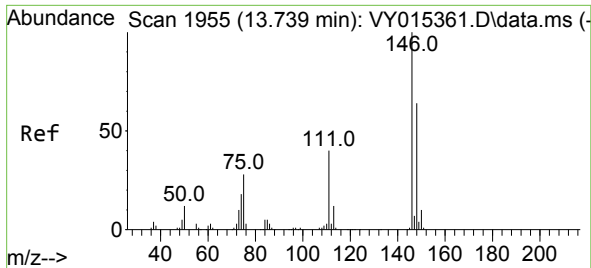
Tgt Ion: 117 Resp: 99122

Ion Ratio Lower Upper

117 100

201 69.5 41.6 124.8

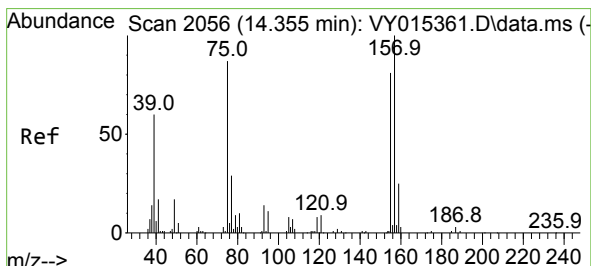
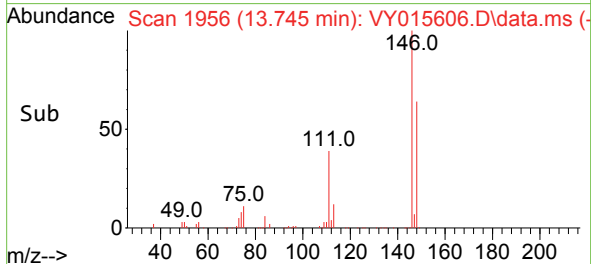
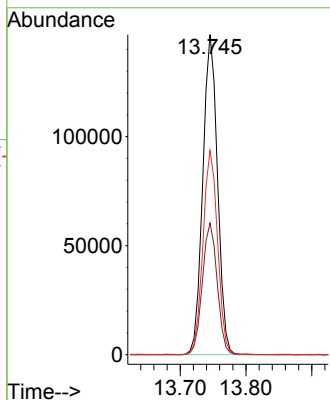
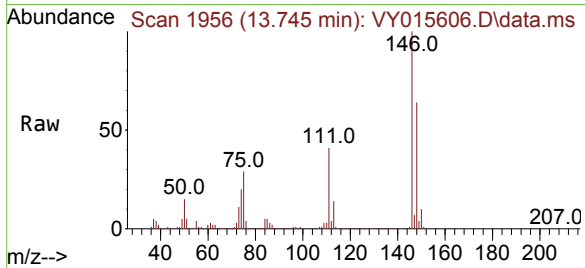




#91  
1,2-Dichlorobenzene  
Concen: 49.415 ug/l  
RT: 13.745 min Scan# 1955  
Delta R.T. 0.006 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

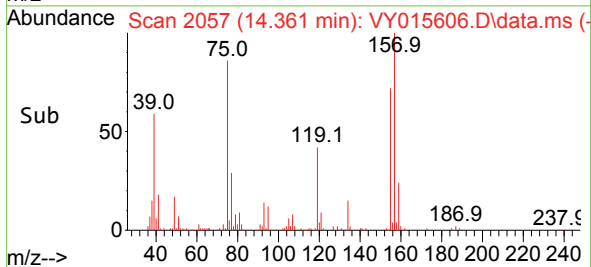
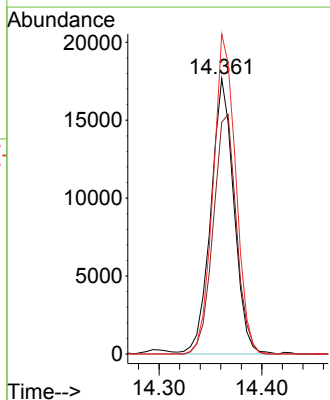
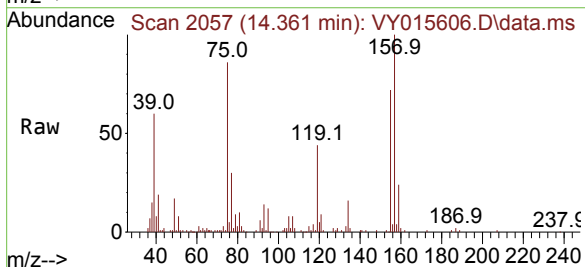
Instrument :  
MSVOA\_Y  
ClientSampleId :

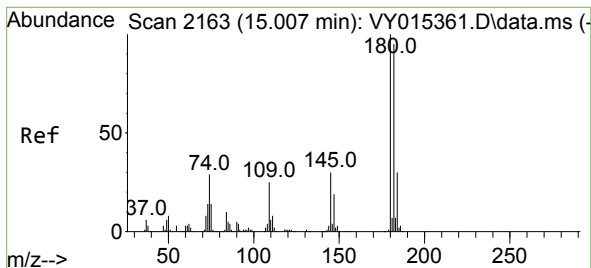
Tgt Ion:146 Resp: 228498  
Ion Ratio Lower Upper  
146 100  
111 41.5 19.7 59.0  
148 63.4 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 53.621 ug/l  
RT: 14.361 min Scan# 2057  
Delta R.T. 0.006 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion: 75 Resp: 27440  
Ion Ratio Lower Upper  
75 100  
155 87.7 41.5 124.6  
157 113.7 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 44.529 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.012 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

Instrument :

MSVOA\_Y

ClientSampleId :

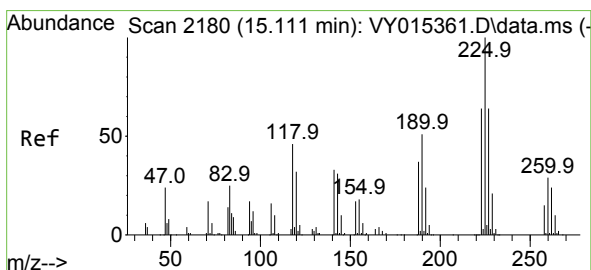
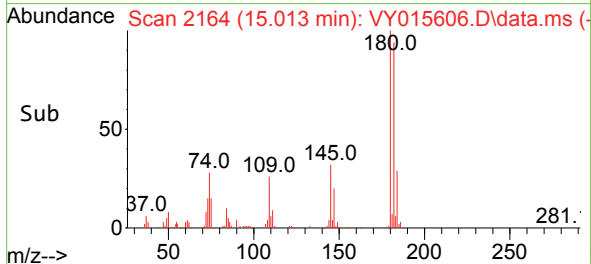
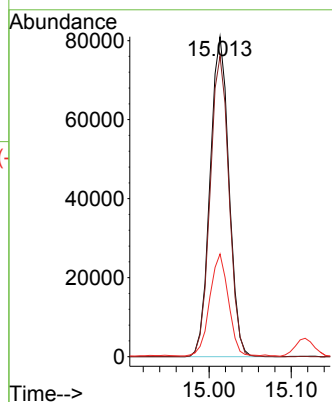
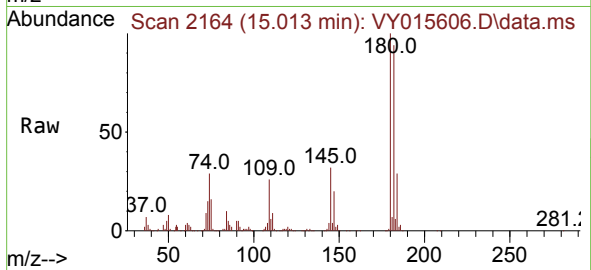
Tgt Ion:180 Resp: 129311

Ion Ratio Lower Upper

180 100

182 93.7 47.0 141.2

145 32.2 14.5 43.5



#94

Hexachlorobutadiene

Concen: 46.721 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY015606.D

Acq: 16 Sep 2023 06:41

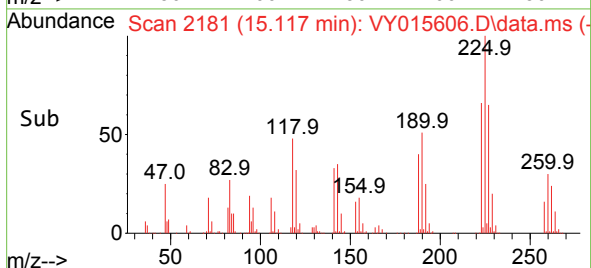
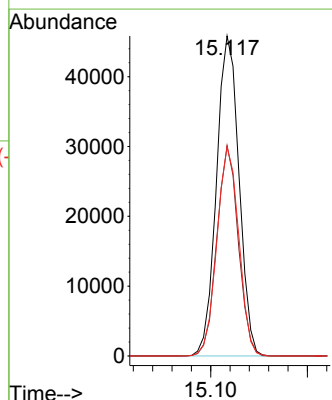
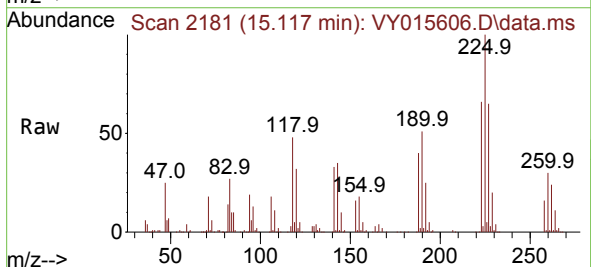
Tgt Ion:225 Resp: 73982

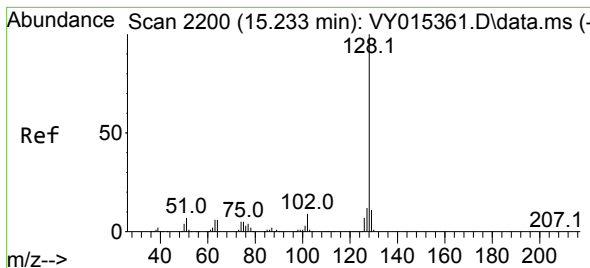
Ion Ratio Lower Upper

225 100

223 62.6 31.9 95.9

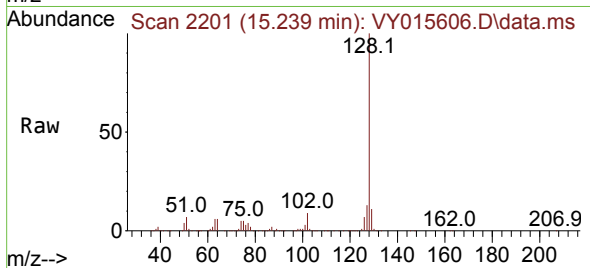
227 63.6 33.0 98.9



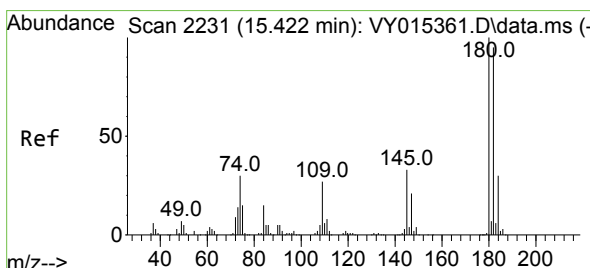
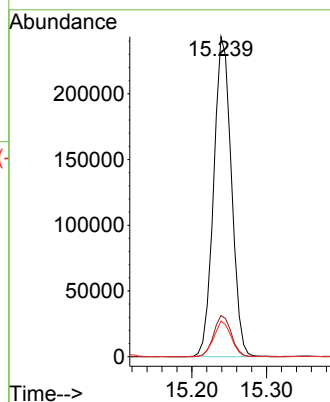
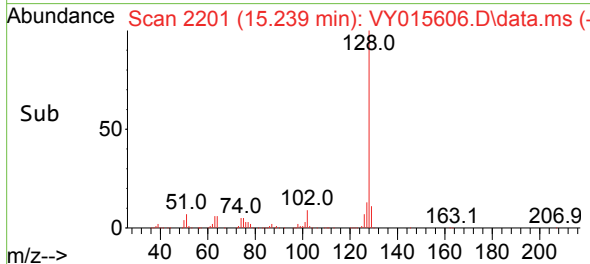


#95  
Naphthalene  
Concen: 55.733 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion:128 Resp: 400913  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.8 16.2  
129 10.9 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 45.139 ug/l  
RT: 15.428 min Scan# 2232  
Delta R.T. 0.006 min  
Lab File: VY015606.D  
Acq: 16 Sep 2023 06:41

Tgt Ion:180 Resp: 119564  
Ion Ratio Lower Upper  
180 100  
182 95.1 47.3 141.8  
145 33.5 15.4 46.2

