

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042423\  
 Data File : VY013418.D  
 Acq On : 25 Apr 2023 00:44  
 Operator : KP/MD  
 Sample : VY0424SBS02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0424SBS02

Quant Time: Apr 25 07:11:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.789  | 168   | 240505   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 384644   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 346342   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428 | 152   | 175505   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.143  | 65    | 138598   | 52.570   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 105.140% |          |
| 35) Dibromofluoromethane     | 7.722  | 113   | 123633   | 51.104   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 102.200% |          |
| 50) Toluene-d8               | 10.179 | 98    | 431811   | 50.174   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | = 100.340% |          |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 150091   | 51.731   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | = 103.460% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 47625    | 20.829   | ug/l       | 97       |
| 3) Chloromethane             | 2.113  | 50    | 54095    | 17.650   | ug/l       | 99       |
| 4) Vinyl Chloride            | 2.253  | 62    | 53570    | 17.555   | ug/l       | 98       |
| 5) Bromomethane              | 2.656  | 94    | 44438    | 18.274   | ug/l       | 99       |
| 6) Chloroethane              | 2.796  | 64    | 36602    | 17.362   | ug/l       | 100      |
| 7) Trichlorofluoromethane    | 3.131  | 101   | 90417    | 19.559   | ug/l       | 98       |
| 8) Diethyl Ether             | 3.528  | 74    | 33245    | 21.118   | ug/l       | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899  | 101   | 51682    | 19.931   | ug/l       | 97       |
| 10) Methyl Iodide            | 4.095  | 142   | 62019    | 19.043   | ug/l       | 100      |
| 11) Tert butyl alcohol       | 4.972  | 59    | 12646    | 43.125   | ug/l #     | 83       |
| 12) 1,1-Dichloroethene       | 3.875  | 96    | 49172    | 19.672   | ug/l       | 100      |
| 13) Acrolein                 | 3.735  | 56    | 29408    | 123.169  | ug/l       | 95       |
| 14) Allyl chloride           | 4.479  | 41    | 84905    | 18.307   | ug/l       | 98       |
| 15) Acrylonitrile            | 5.168  | 53    | 93483    | 106.033  | ug/l       | 99       |
| 16) Acetone                  | 3.954  | 43    | 84209    | 81.105   | ug/l       | 94       |
| 17) Carbon Disulfide         | 4.198  | 76    | 159177   | 19.605   | ug/l       | 99       |
| 18) Methyl Acetate           | 4.485  | 43    | 70292    | 20.498   | ug/l       | 97       |
| 19) Methyl tert-butyl Ether  | 5.222  | 73    | 146288   | 20.272   | ug/l       | 98       |
| 20) Methylene Chloride       | 4.710  | 84    | 81268    | 20.157   | ug/l       | 89       |
| 21) trans-1,2-Dichloroethene | 5.229  | 96    | 55623    | 20.353   | ug/l       | 89       |
| 22) Diisopropyl ether        | 6.119  | 45    | 180456   | 19.907   | ug/l       | 92       |
| 23) Vinyl Acetate            | 6.064  | 43    | 555028   | 108.138  | ug/l       | 97       |
| 24) 1,1-Dichloroethane       | 6.015  | 63    | 101298   | 20.050   | ug/l       | 99       |
| 25) 2-Butanone               | 6.990  | 43    | 123663   | 93.915   | ug/l       | 94       |
| 26) 2,2-Dichloropropane      | 6.984  | 77    | 80250    | 18.433   | ug/l       | 99       |
| 27) cis-1,2-Dichloroethene   | 6.984  | 96    | 61071    | 20.225   | ug/l       | 98       |
| 28) Bromochloromethane       | 7.338  | 49    | 37395    | 20.858   | ug/l       | 88       |
| 29) Tetrahydrofuran          | 7.350  | 42    | 87151    | 106.327  | ug/l       | 93       |
| 30) Chloroform               | 7.509  | 83    | 104510   | 20.805   | ug/l       | 95       |
| 31) Cyclohexane              | 7.789  | 56    | 85800    | 18.176   | ug/l       | 95       |
| 32) 1,1,1-Trichloroethane    | 7.704  | 97    | 91129    | 20.330   | ug/l       | 97       |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 77088    | 19.200   | ug/l       | 98       |
| 37) Ethyl Acetate            | 7.076  | 43    | 60233    | 19.935   | ug/l       | 98       |
| 38) Carbon Tetrachloride     | 7.899  | 117   | 83116    | 19.751   | ug/l       | 94       |
| 39) Methylcyclohexane        | 9.185  | 83    | 85718    | 18.109   | ug/l       | 97       |
| 40) Benzene                  | 8.161  | 78    | 227871   | 20.148   | ug/l       | 100      |

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 MSVOA\_Y  
 ClientSampleId :  
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Quant Time: Apr 25 07:11:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 81112    | 57.609  | ug/l # | 35       |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 78083    | 21.117  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 99524    | 19.515  | ug/l   | 99       |
| 44) Trichloroethene           | 8.941  | 130  | 60500    | 20.110  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 59286    | 20.048  | ug/l   | 99       |
| 46) Dibromomethane            | 9.307  | 93   | 37394    | 21.134  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.496  | 83   | 82008    | 20.713  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.295  | 41   | 46073    | 19.671  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 7902     | 312.698 | ug/l # | 60       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 296212   | 104.230 | ug/l   | 96       |
| 52) Toluene                   | 10.246 | 92   | 139902   | 20.556  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 82913    | 19.787  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 93251    | 19.778  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 49563    | 21.152  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 66247    | 20.379  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 82300    | 20.739  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 135819   | 111.419 | ug/l   | 96       |
| 59) 2-Hexanone                | 10.831 | 43   | 206355   | 99.889  | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.984 | 129  | 60066    | 21.112  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 49657    | 21.555  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.721 | 164  | 53134    | 20.175  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 148852   | 19.729  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 57391    | 20.339  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 254439   | 19.205  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.703 | 106  | 202028   | 40.113  | ug/l   | 100      |
| 69) o-Xylene                  | 12.032 | 106  | 95877    | 20.129  | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 163339   | 20.509  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 40954    | 20.721  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 241938   | 18.226  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 86056    | 18.217  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 64194    | 19.784  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 81082    | 34.257  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 63573    | 19.765  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.672 | 91   | 303502   | 18.562  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 174174   | 19.076  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 207542   | 19.155  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 21396    | 18.491  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 181780   | 19.101  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 174608   | 18.601  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 206496   | 19.603  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 261670   | 18.574  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 217874   | 19.231  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 121253   | 19.787  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 120652   | 19.491  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.697 | 91   | 197889   | 17.897  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 45667    | 19.153  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 110757   | 20.015  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 11681    | 20.384  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 63685    | 19.303  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 37427    | 19.492  | ug/l   | 97       |
| 95) Naphthalene               | 15.239 | 128  | 141204   | 19.726  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 61574    | 20.939  | ug/l   | 99       |

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Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 37 Sample Multiplier: 1

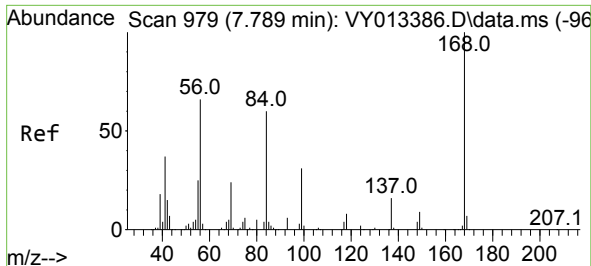
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

Quant Time: Apr 25 07:11:23 2023  
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Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration

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

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

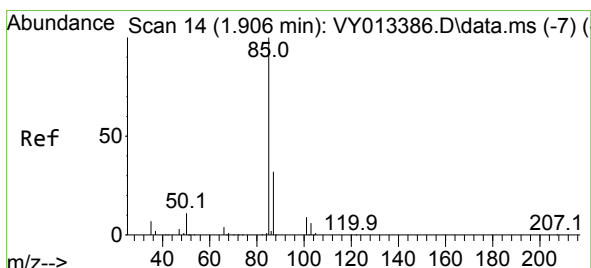
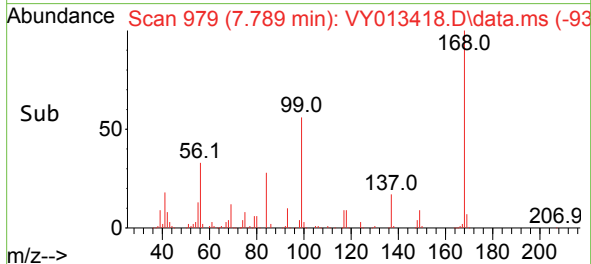
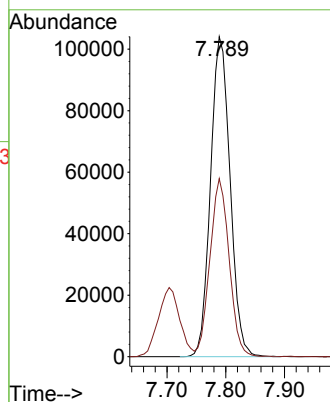
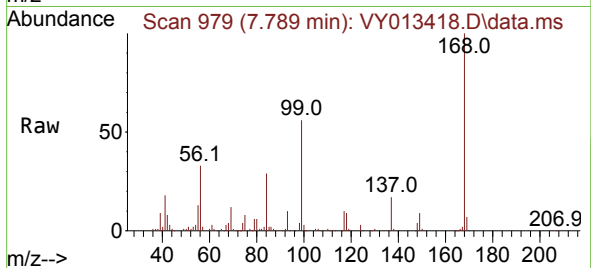




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

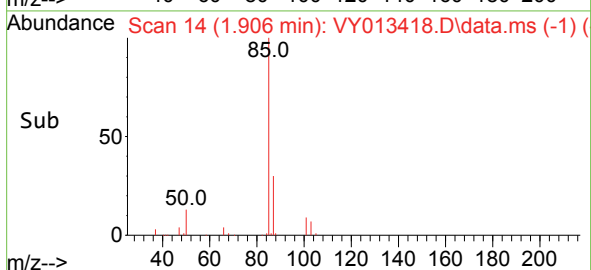
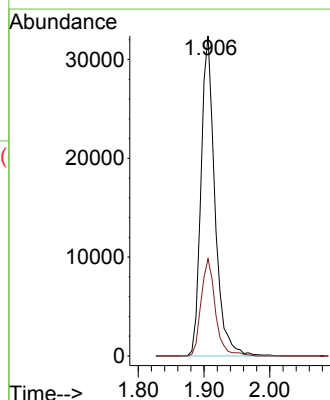
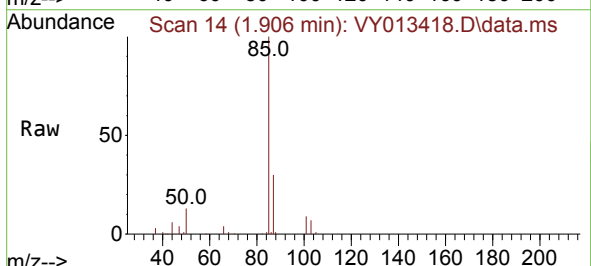
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ClientSampleId :  
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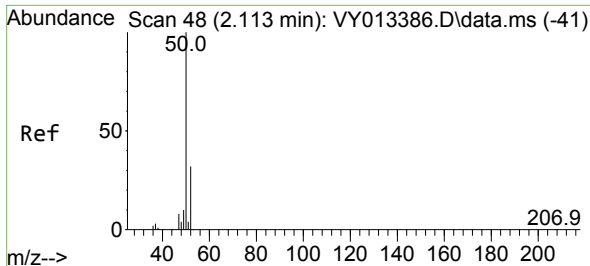
Tgt Ion:168 Resp: 240505  
Ion Ratio Lower Upper  
168 100  
99 55.6 41.8 62.6



#2  
Dichlorodifluoromethane  
Concen: 20.829 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 85 Resp: 47625  
Ion Ratio Lower Upper  
85 100  
87 30.4 16.1 48.2

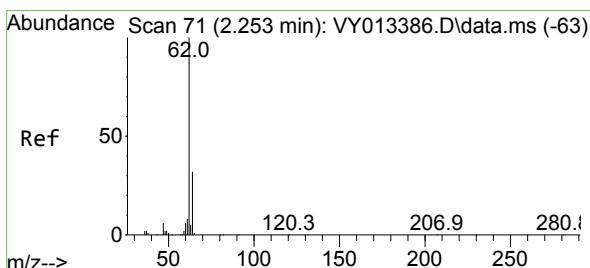
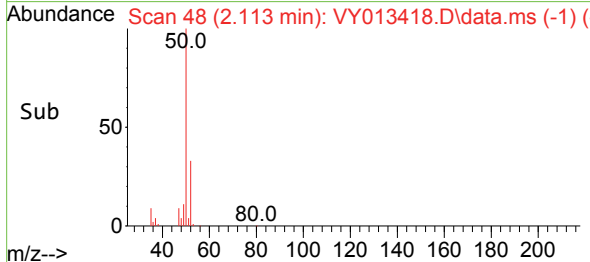
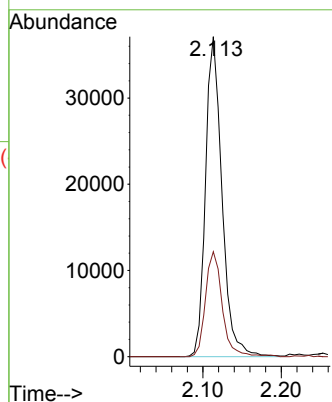
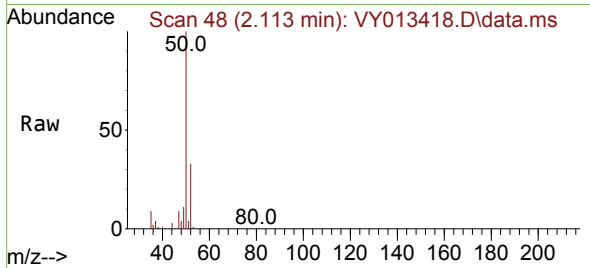




#3  
Chloromethane  
Concen: 17.650 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

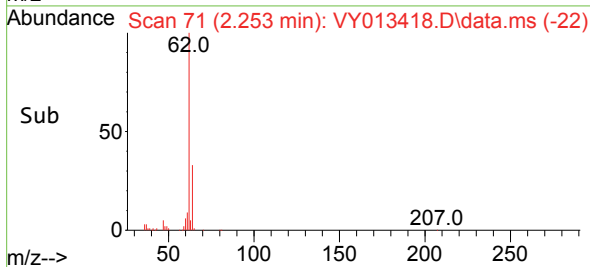
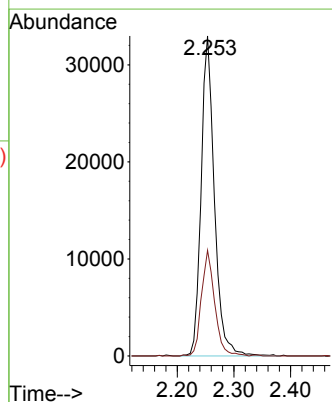
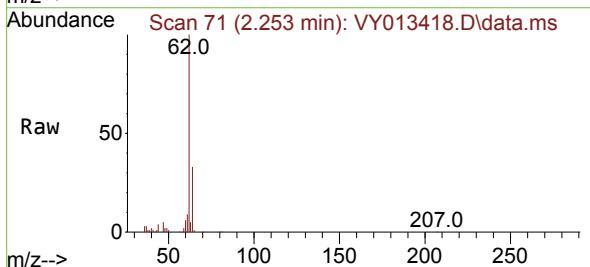
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ClientSampleId :  
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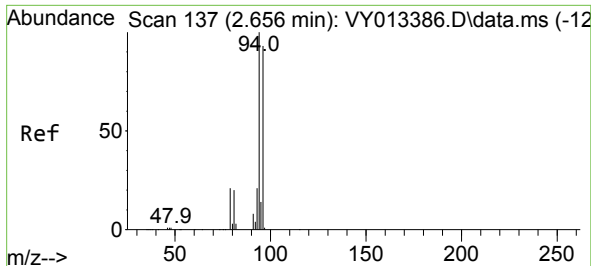
Tgt Ion: 50 Resp: 54095  
Ion Ratio Lower Upper  
50 100  
52 32.8 25.9 38.9



#4  
Vinyl Chloride  
Concen: 17.555 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 62 Resp: 53570  
Ion Ratio Lower Upper  
62 100  
64 33.0 25.4 38.0

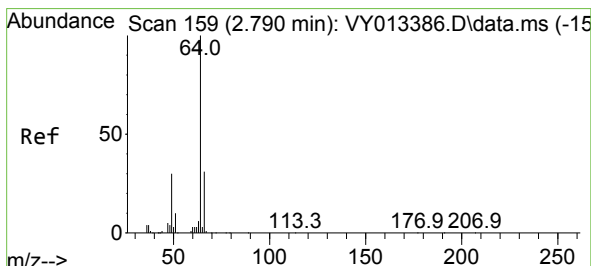
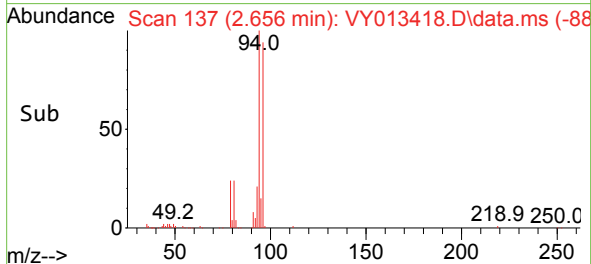
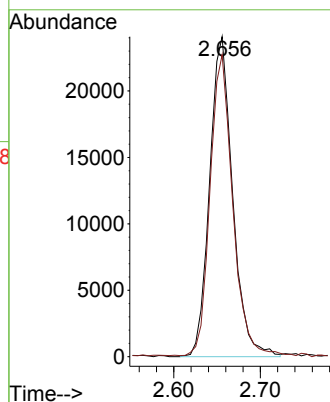
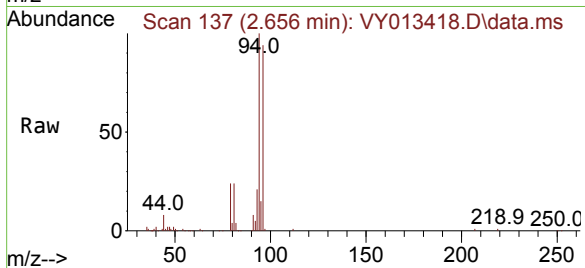




#5  
Bromomethane  
Concen: 18.274 ug/l  
RT: 2.656 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

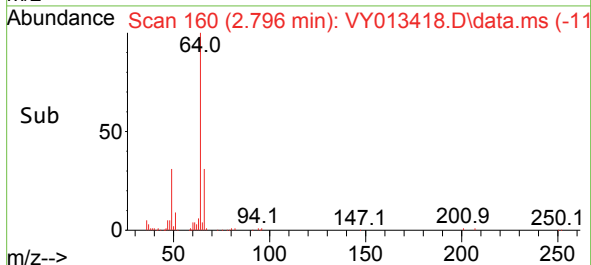
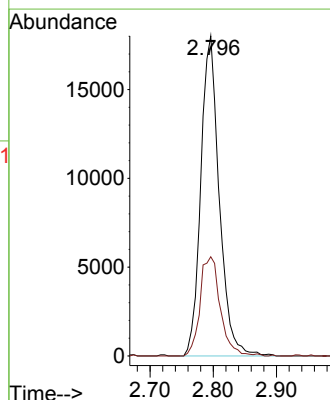
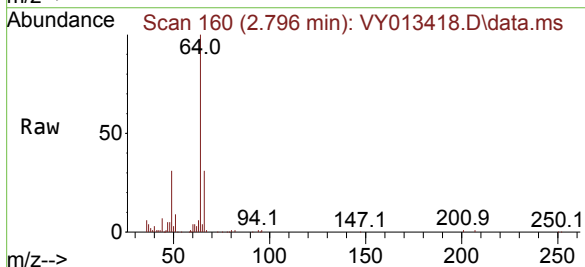
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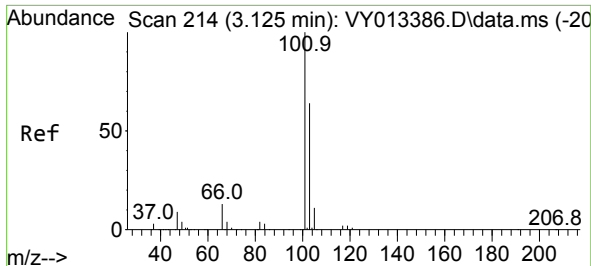
Tgt Ion: 94 Resp: 44438  
Ion Ratio Lower Upper  
94 100  
96 94.0 74.2 111.2



#6  
Chloroethane  
Concen: 17.362 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 64 Resp: 36602  
Ion Ratio Lower Upper  
64 100  
66 31.0 24.6 37.0

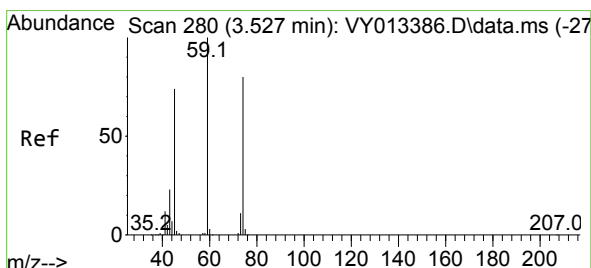
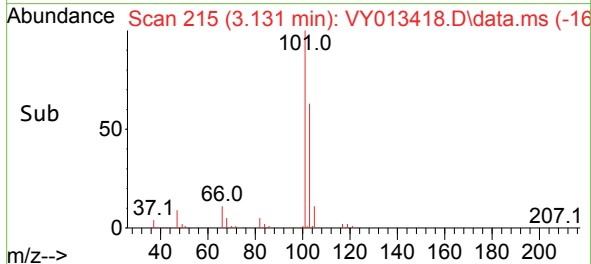
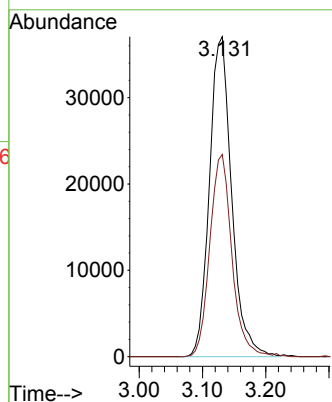
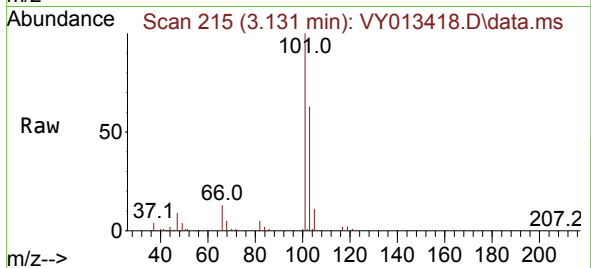




#7  
Trichlorofluoromethane  
Concen: 19.559 ug/l  
RT: 3.131 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

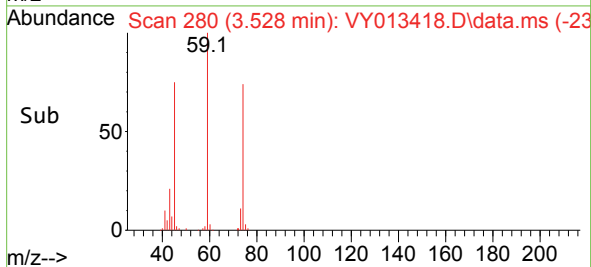
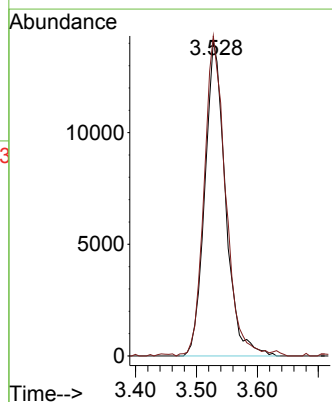
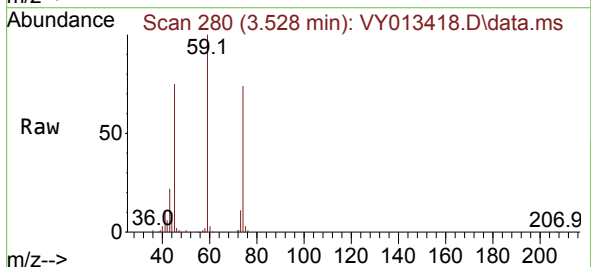
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

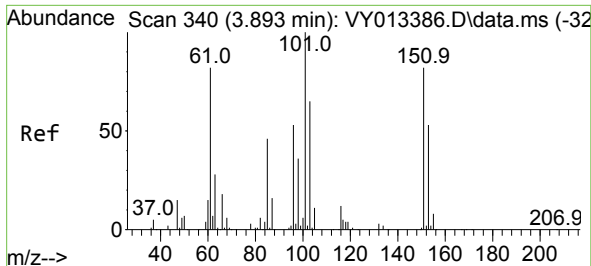
Tgt Ion:101 Resp: 90417  
Ion Ratio Lower Upper  
101 100  
103 63.2 51.6 77.4



#8  
Diethyl Ether  
Concen: 21.118 ug/l  
RT: 3.528 min Scan# 280  
Delta R.T. 0.001 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 74 Resp: 33245  
Ion Ratio Lower Upper  
74 100  
45 105.2 48.2 144.6

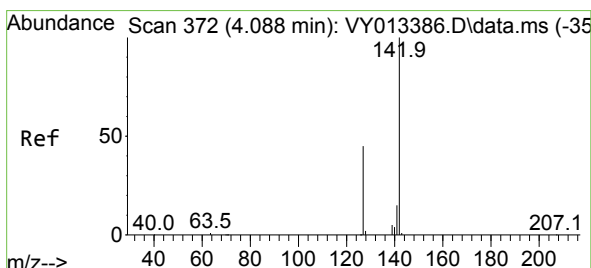
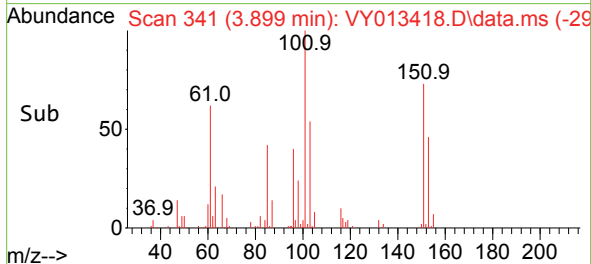
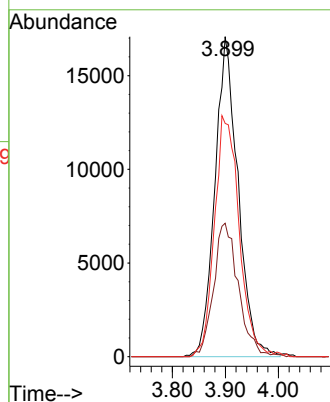
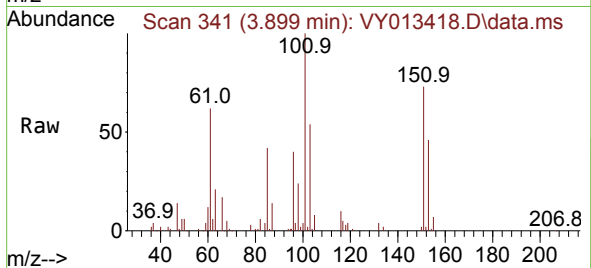




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.931 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

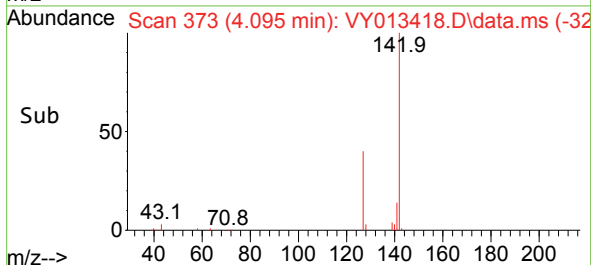
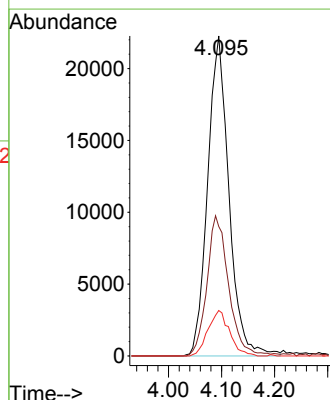
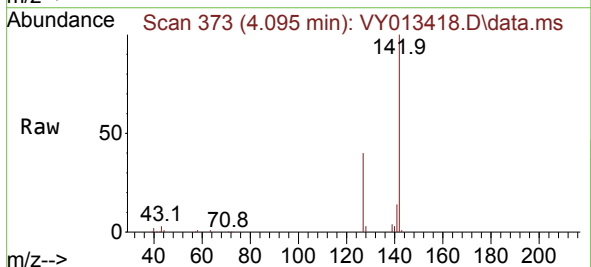
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

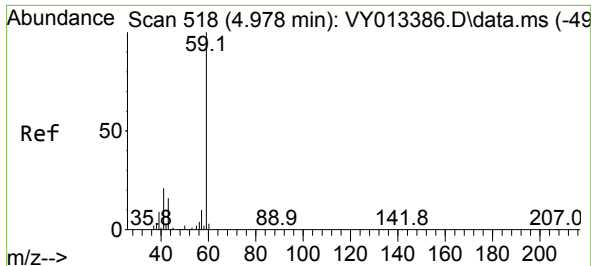
Tgt Ion:101 Resp: 51682  
Ion Ratio Lower Upper  
101 100  
85 44.9 35.6 53.4  
151 80.8 68.0 102.0



#10  
Methyl Iodide  
Concen: 19.043 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. 0.007 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion:142 Resp: 62019  
Ion Ratio Lower Upper  
142 100  
127 44.7 36.1 54.1  
141 14.4 11.6 17.4

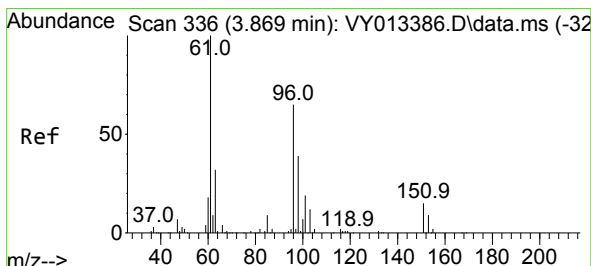
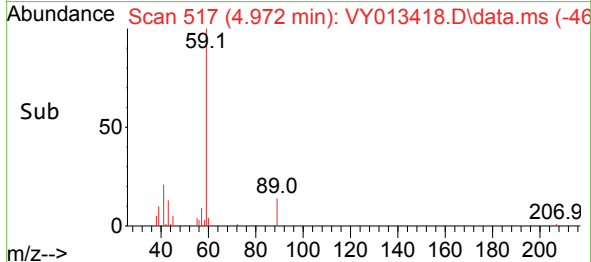
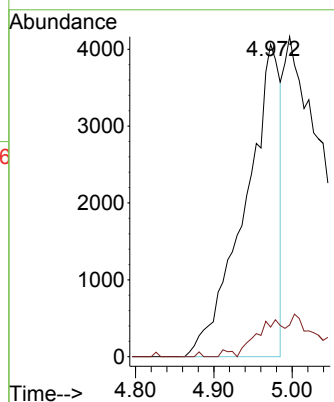
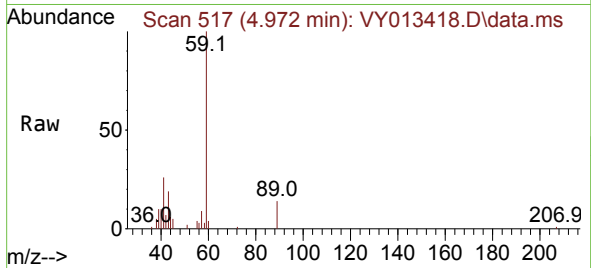




#11  
Tert butyl alcohol  
Concen: 43.125 ug/l  
RT: 4.972 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

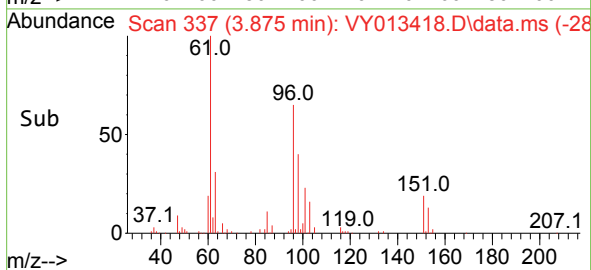
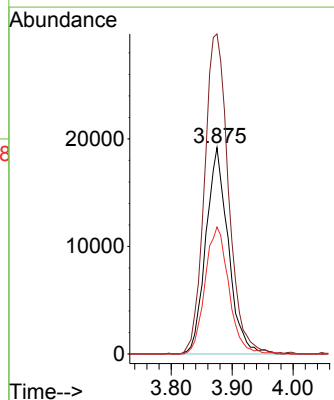
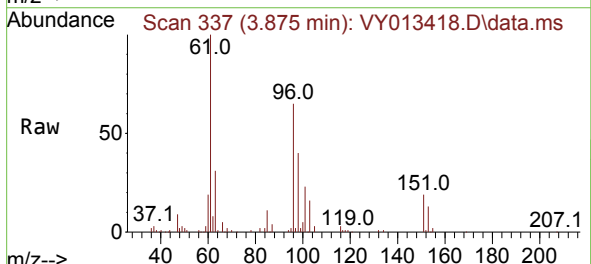
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

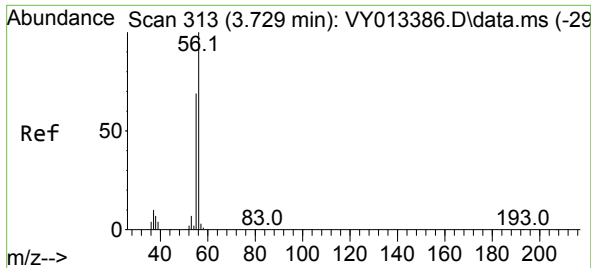
Tgt Ion: 59 Resp: 12646  
Ion Ratio Lower Upper  
59 100  
57 9.3 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 19.672 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 96 Resp: 49172  
Ion Ratio Lower Upper  
96 100  
61 155.0 123.9 185.9  
98 61.5 48.9 73.3





#13

Acrolein

Concen: 123.169 ug/l

RT: 3.735 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

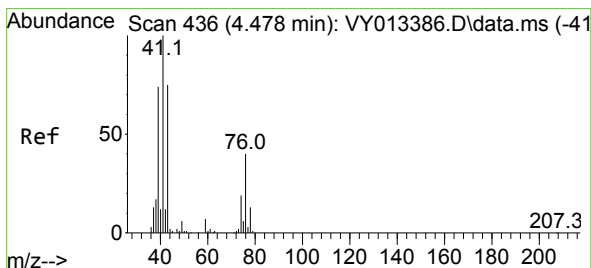
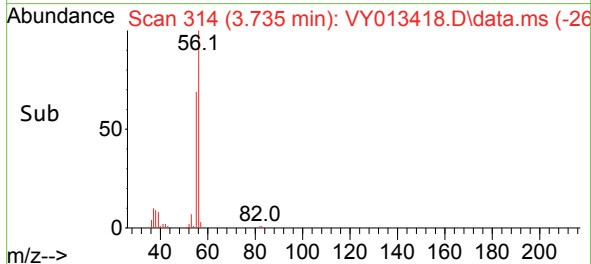
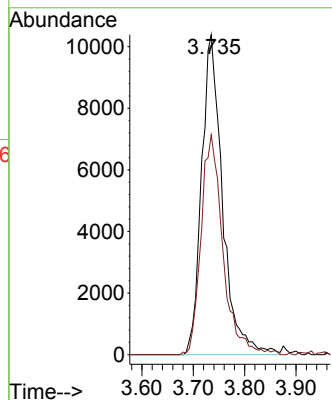
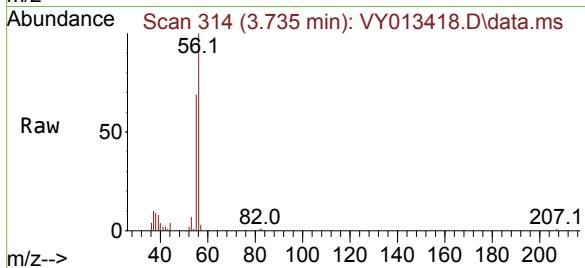
VY0424SBS02

Tgt Ion: 56 Resp: 29408

Ion Ratio Lower Upper

56 100

55 71.5 54.1 81.1



#14

Allyl chloride

Concen: 18.307 ug/l

RT: 4.479 min Scan# 436

Delta R.T. 0.001 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

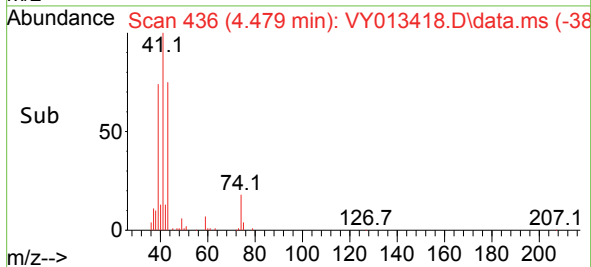
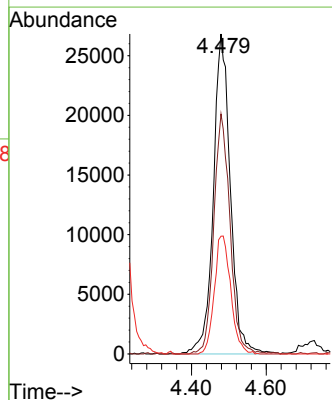
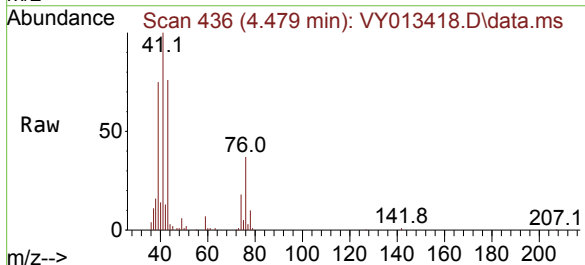
Tgt Ion: 41 Resp: 84905

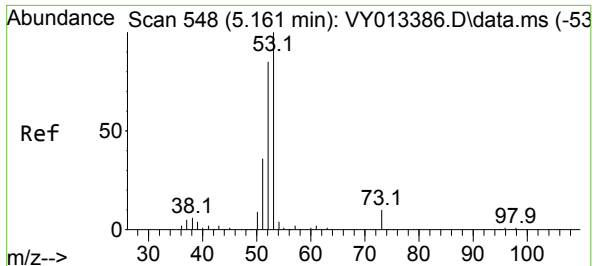
Ion Ratio Lower Upper

41 100

39 71.3 56.6 85.0

76 35.6 30.5 45.7

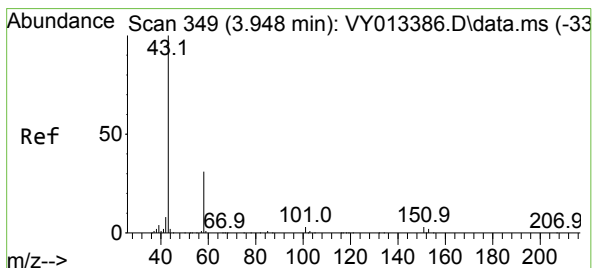
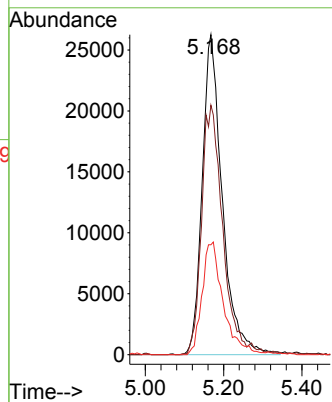
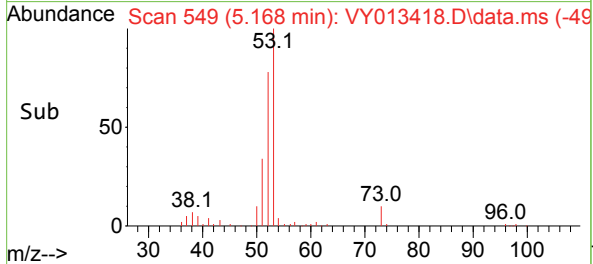
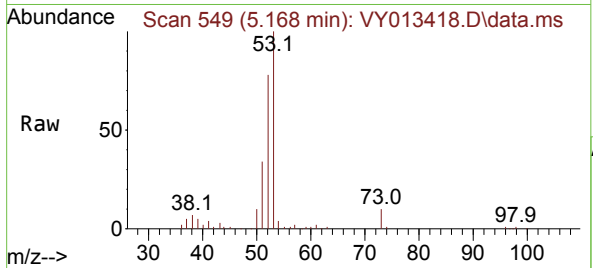




#15  
Acrylonitrile  
Concen: 106.033 ug/l  
RT: 5.168 min Scan# 54  
Delta R.T. 0.007 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

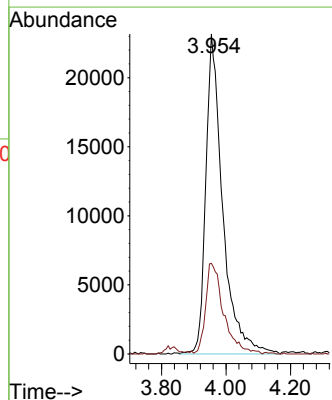
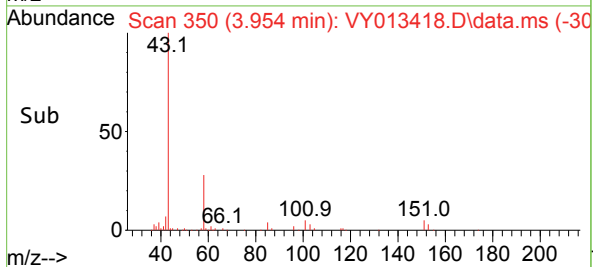
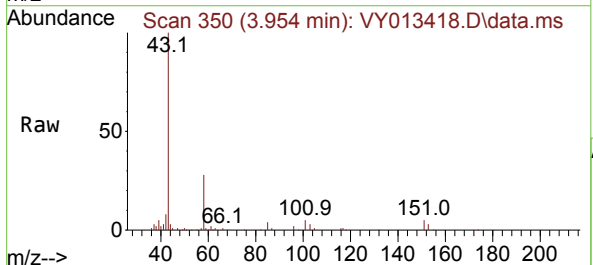
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

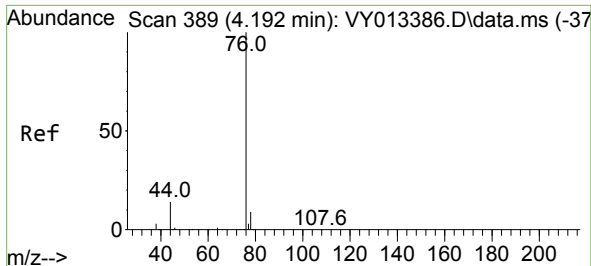
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 93483 |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 80.7     | 65.4 98.0   |
| 51 37.2     | 29.3 43.9   |



#16  
Acetone  
Concen: 81.105 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 84209 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 28.3     | 25.4 38.0   |





#17

Carbon Disulfide

Concen: 19.605 ug/l

RT: 4.198 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

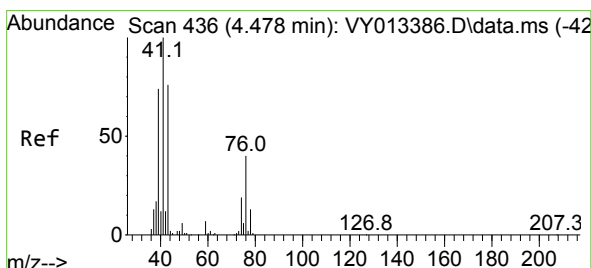
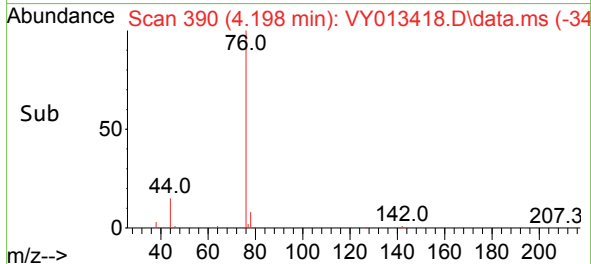
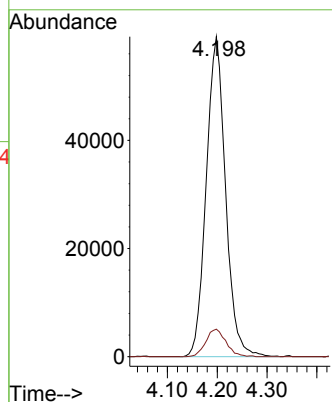
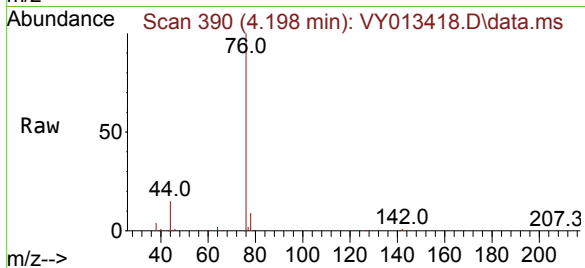
VY0424SBS02

Tgt Ion: 76 Resp: 159177

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8



#18

Methyl Acetate

Concen: 20.498 ug/l

RT: 4.485 min Scan# 437

Delta R.T. 0.007 min

Lab File: VY013418.D

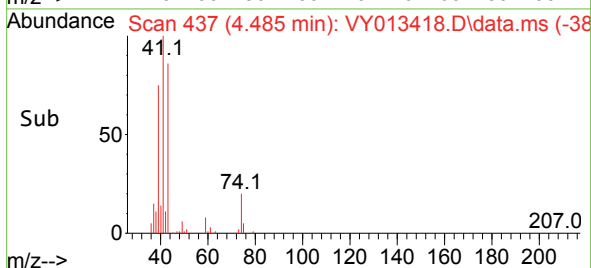
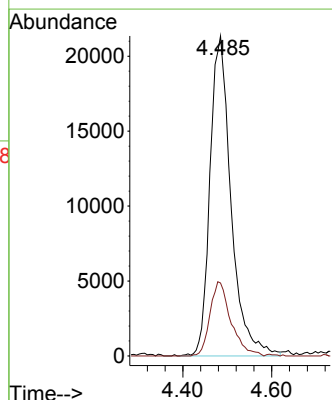
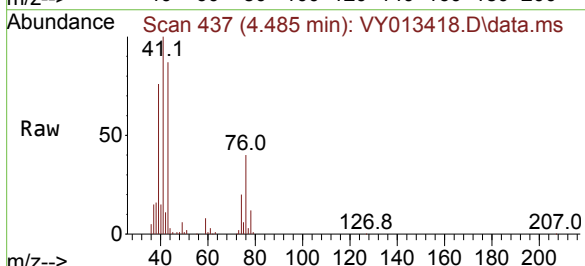
Acq: 25 Apr 2023 00:44

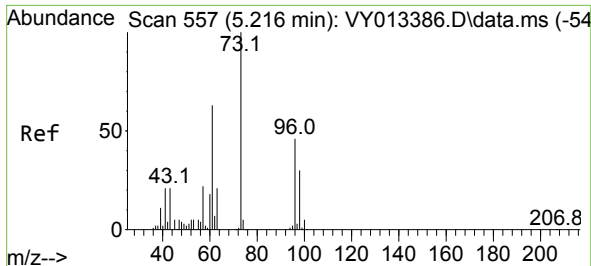
Tgt Ion: 43 Resp: 70292

Ion Ratio Lower Upper

43 100

74 23.0 19.4 29.2

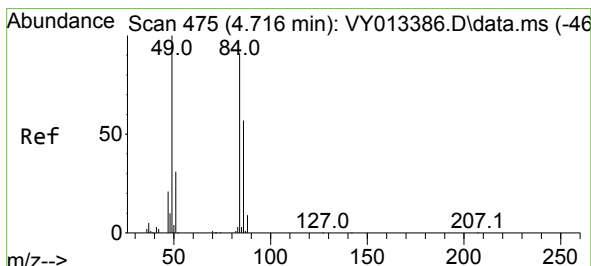
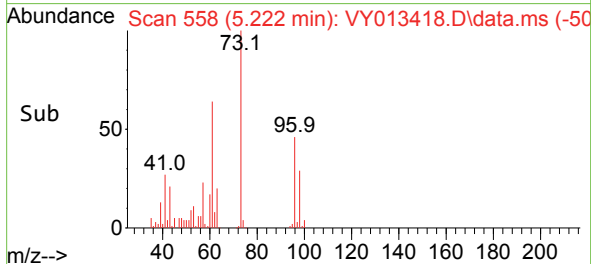
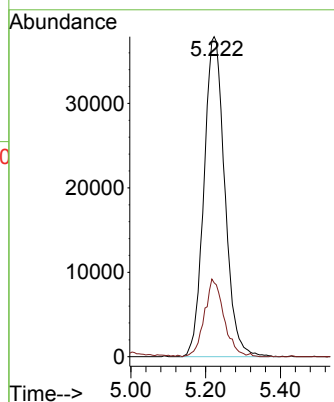
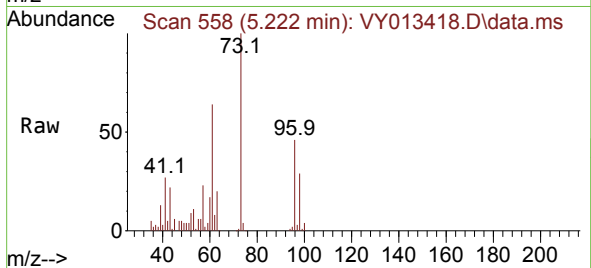




#19  
Methyl tert-butyl Ether  
Concen: 20.272 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

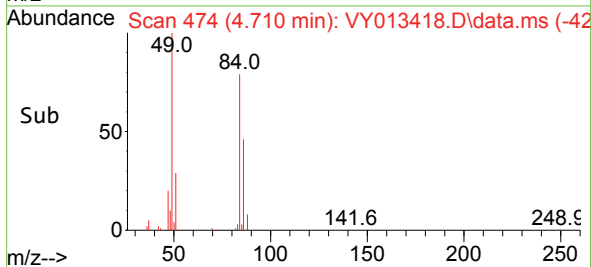
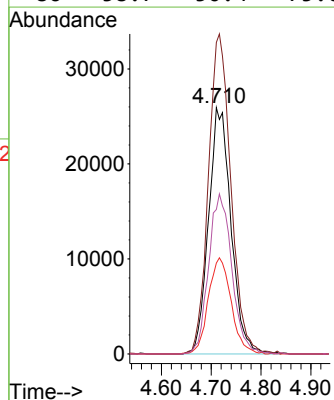
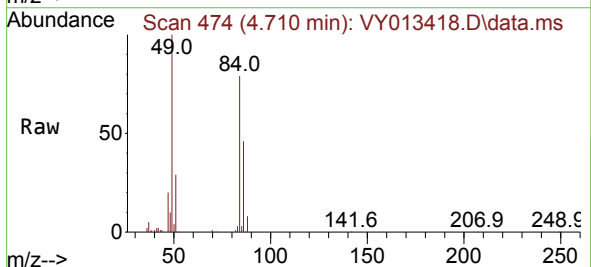
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

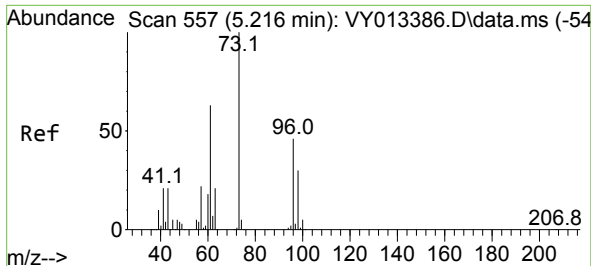
Tgt Ion: 73 Resp: 146288  
Ion Ratio Lower Upper  
73 100  
57 23.1 17.8 26.8



#20  
Methylene Chloride  
Concen: 20.157 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 84 Resp: 81268  
Ion Ratio Lower Upper  
84 100  
49 126.5 88.0 132.0  
51 36.9 27.4 41.0  
86 58.7 50.4 75.6

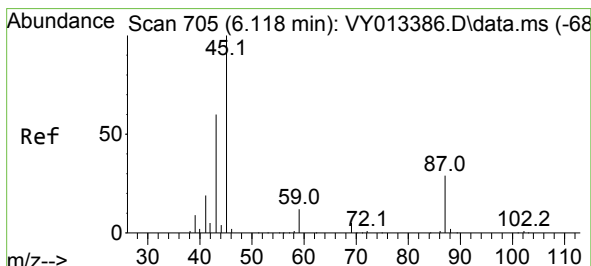
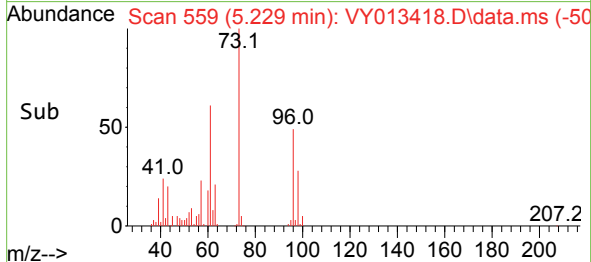
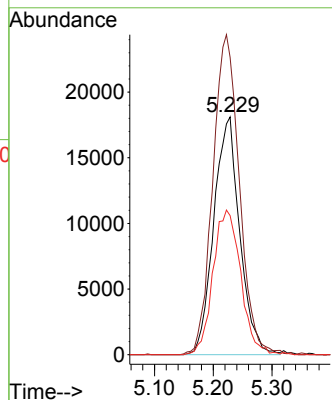
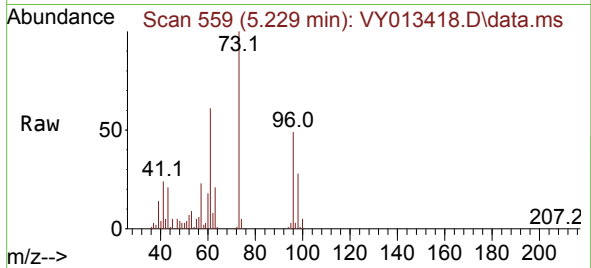




#21  
trans-1,2-Dichloroethene  
Concen: 20.353 ug/l  
RT: 5.229 min Scan# 51  
Delta R.T. 0.013 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

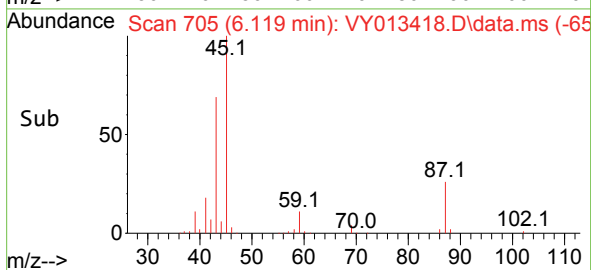
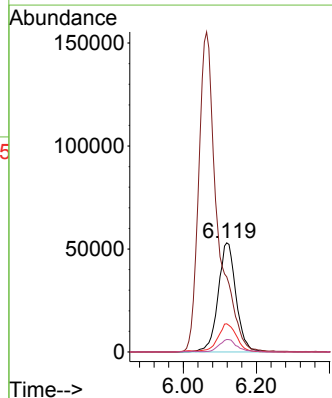
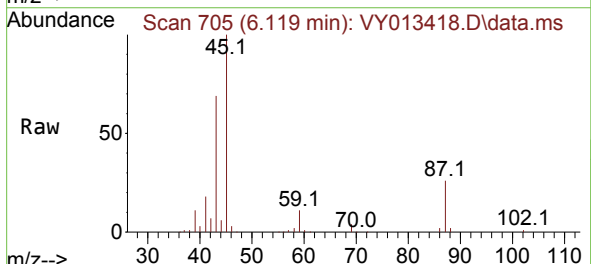
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

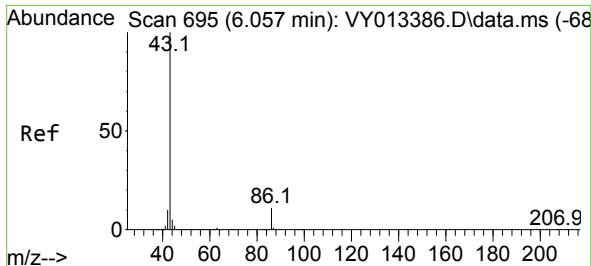
Tgt Ion: 96 Resp: 55623  
Ion Ratio Lower Upper  
96 100  
61 125.0 110.6 165.8  
98 58.5 53.1 79.7



#22  
Diisopropyl ether  
Concen: 19.907 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. 0.001 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 45 Resp: 180456  
Ion Ratio Lower Upper  
45 100  
43 68.4 48.4 72.6  
87 25.9 23.8 35.6  
59 11.4 9.6 14.4

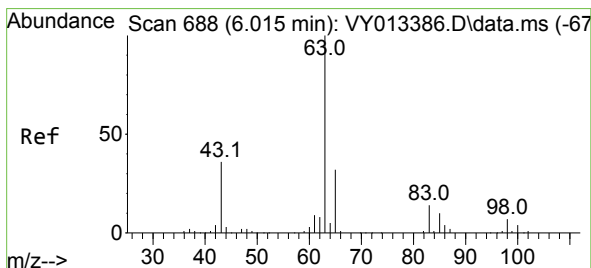
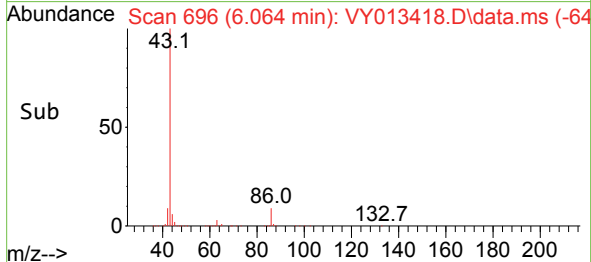
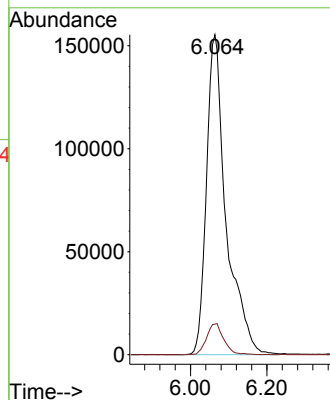
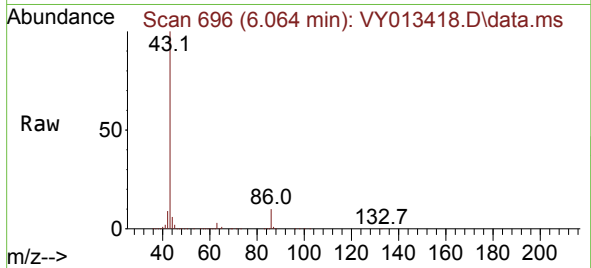




#23  
 Vinyl Acetate  
 Concen: 108.138 ug/l  
 RT: 6.064 min Scan# 695  
 Delta R.T. 0.007 min  
 Lab File: VY013418.D  
 Acq: 25 Apr 2023 00:44

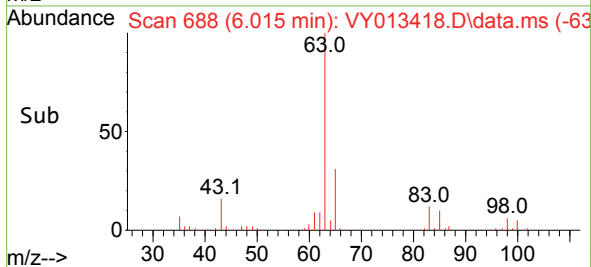
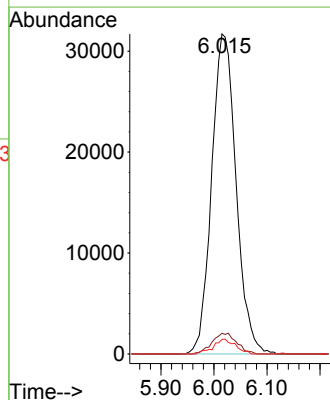
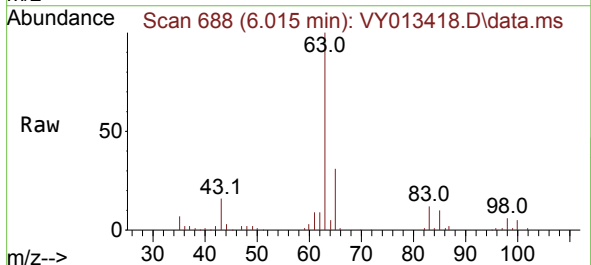
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0424SBS02

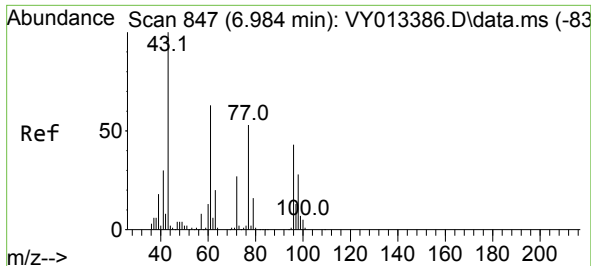
Tgt Ion: 43 Resp: 555028  
 Ion Ratio Lower Upper  
 43 100  
 86 9.5 8.5 12.7



#24  
 1,1-Dichloroethane  
 Concen: 20.050 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.000 min  
 Lab File: VY013418.D  
 Acq: 25 Apr 2023 00:44

Tgt Ion: 63 Resp: 101298  
 Ion Ratio Lower Upper  
 63 100  
 98 6.4 3.5 10.6  
 100 4.5 2.2 6.6

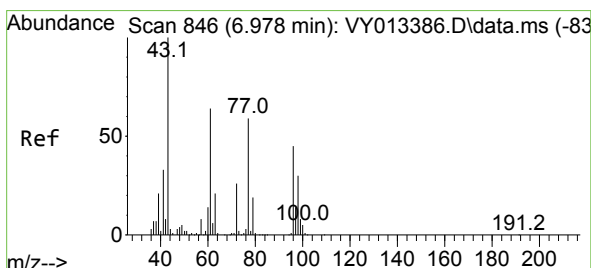
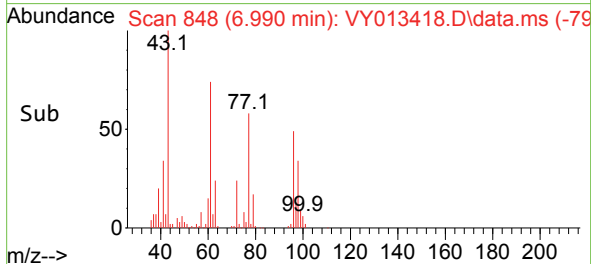
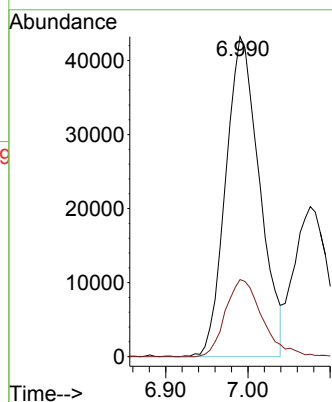
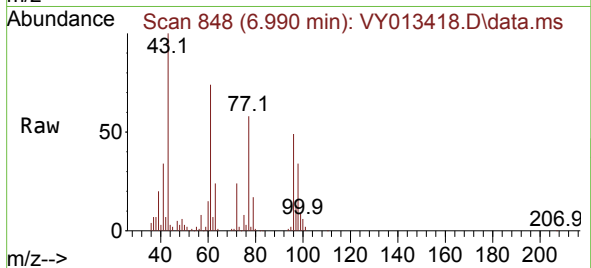




#25  
2-Butanone  
Concen: 93.915 ug/l  
RT: 6.990 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

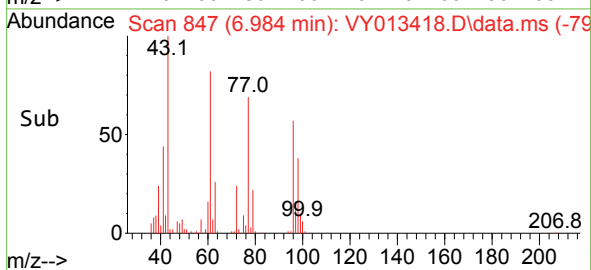
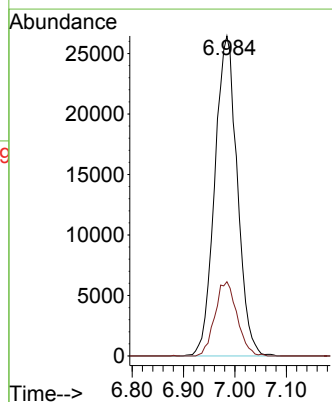
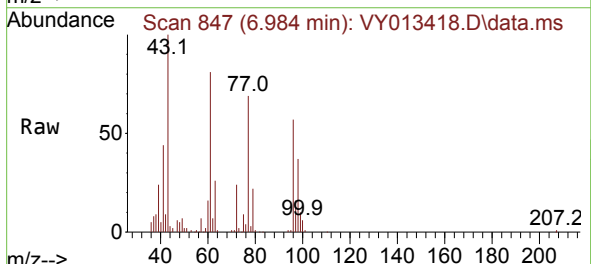
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

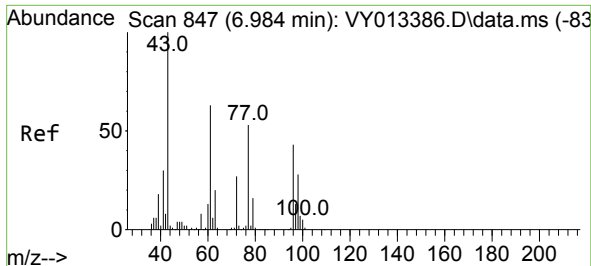
Tgt Ion: 43 Resp: 123663  
Ion Ratio Lower Upper  
43 100  
72 24.1 21.9 32.9



#26  
2,2-Dichloropropane  
Concen: 18.433 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 77 Resp: 80250  
Ion Ratio Lower Upper  
77 100  
97 22.9 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 20.225 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

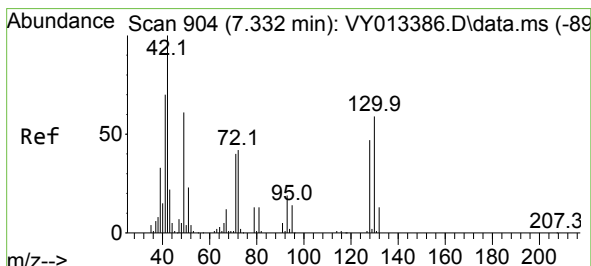
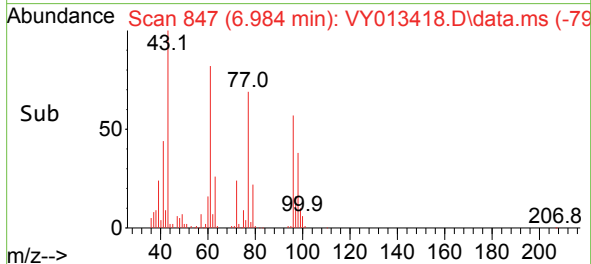
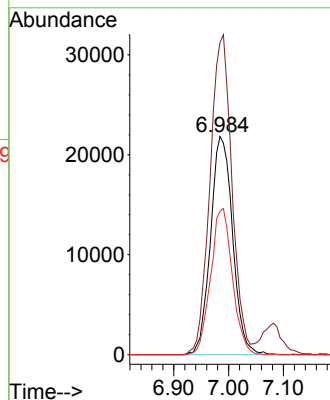
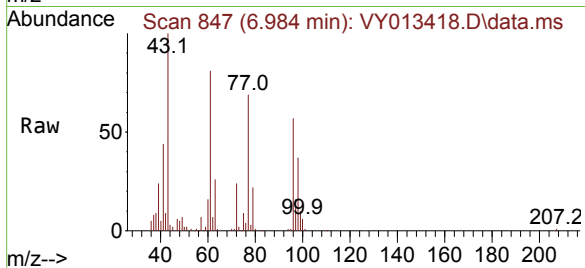
Tgt Ion: 96 Resp: 61071

Ion Ratio Lower Upper

96 100

61 145.9 0.0 285.0

98 65.9 0.0 130.6



#28

Bromochloromethane

Concen: 20.858 ug/l

RT: 7.338 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

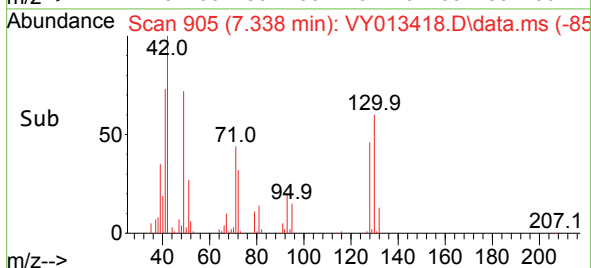
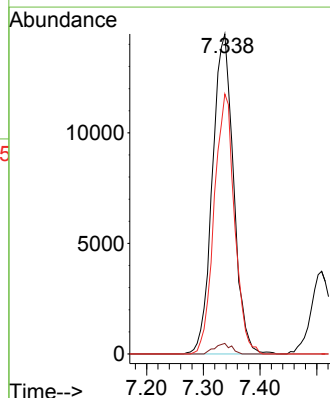
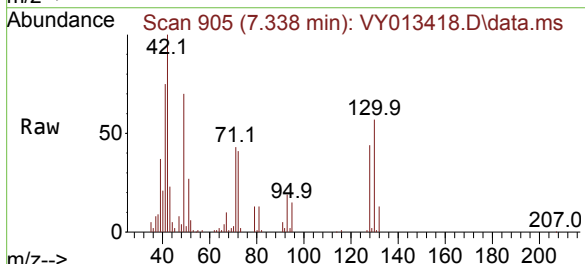
Tgt Ion: 49 Resp: 37395

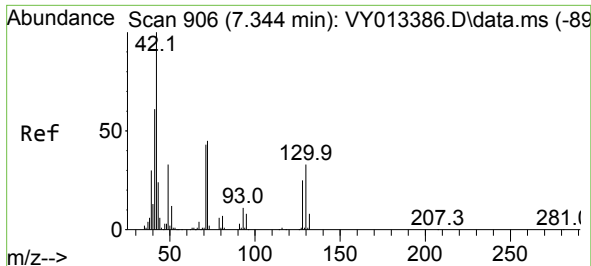
Ion Ratio Lower Upper

49 100

129 2.6 0.0 5.2

130 78.2 72.1 108.1





#29

Tetrahydrofuran

Concen: 106.327 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

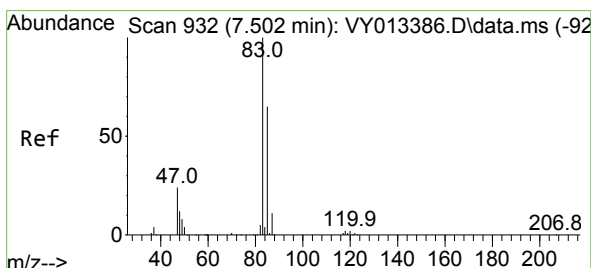
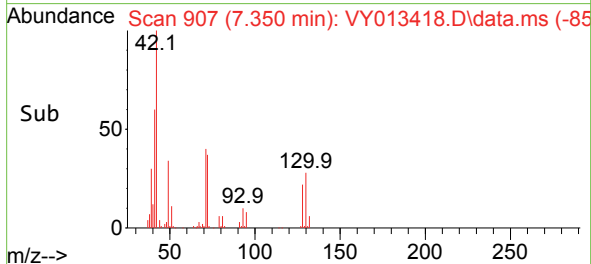
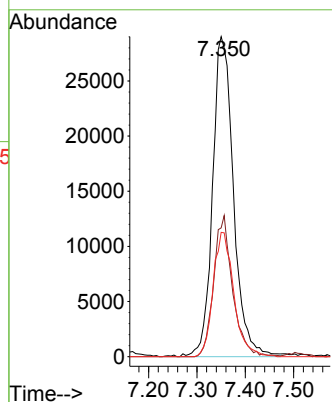
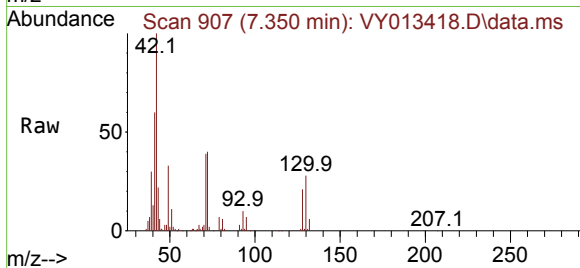
Tgt Ion: 42 Resp: 87151

Ion Ratio Lower Upper

42 100

72 39.8 35.9 53.9

71 38.4 34.3 51.5



#30

Chloroform

Concen: 20.805 ug/l

RT: 7.509 min Scan# 933

Delta R.T. 0.007 min

Lab File: VY013418.D

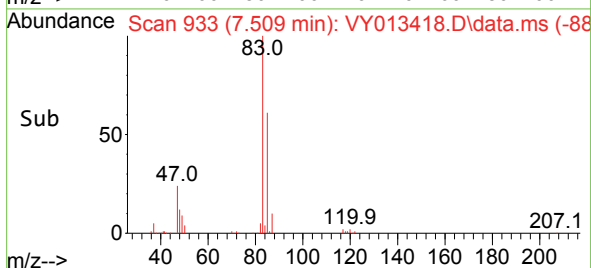
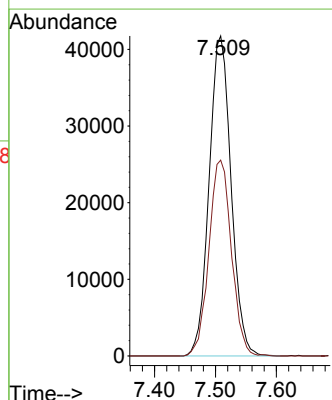
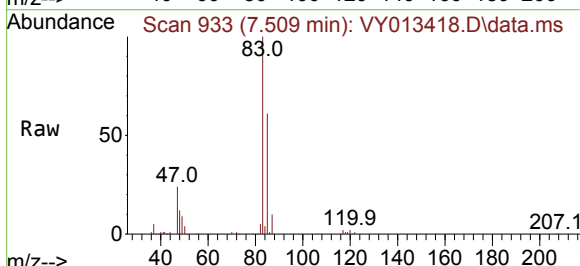
Acq: 25 Apr 2023 00:44

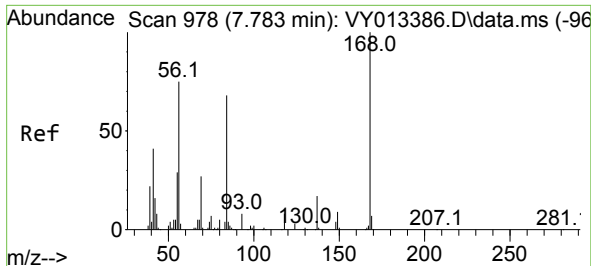
Tgt Ion: 83 Resp: 104510

Ion Ratio Lower Upper

83 100

85 61.2 52.0 78.0

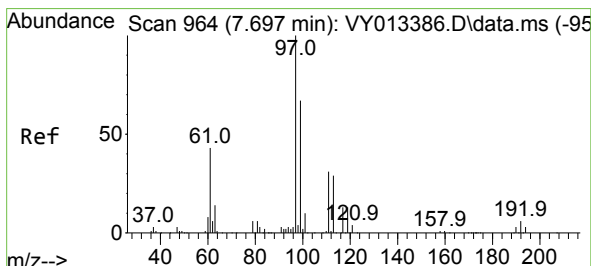
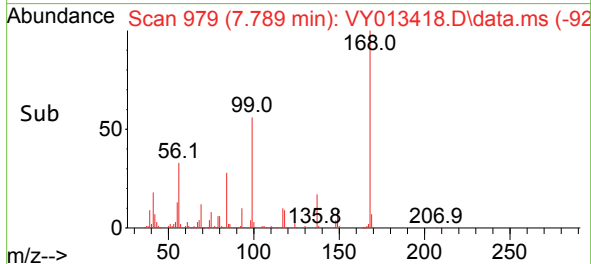
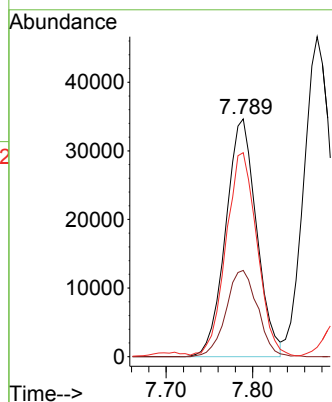
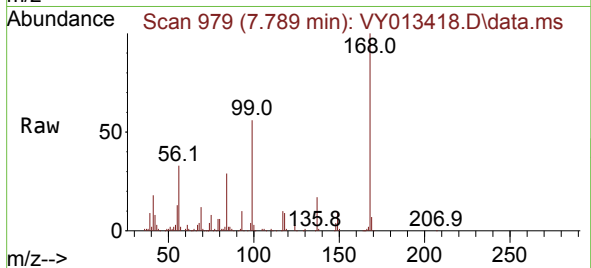




#31  
Cyclohexane  
Concen: 18.176 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

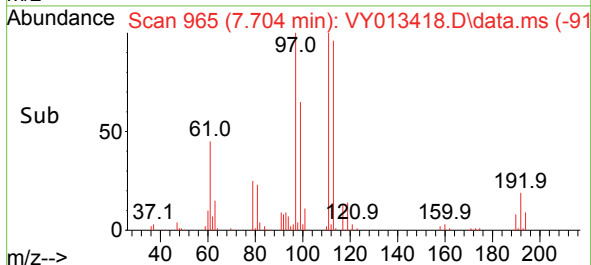
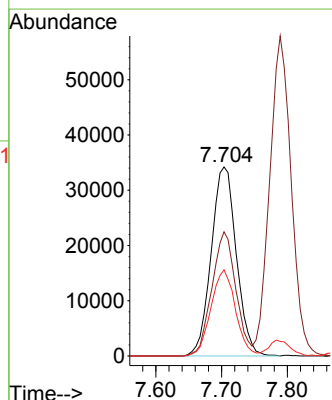
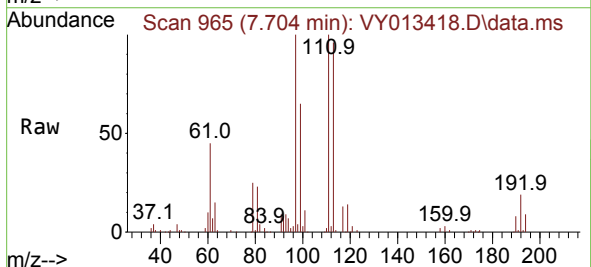
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

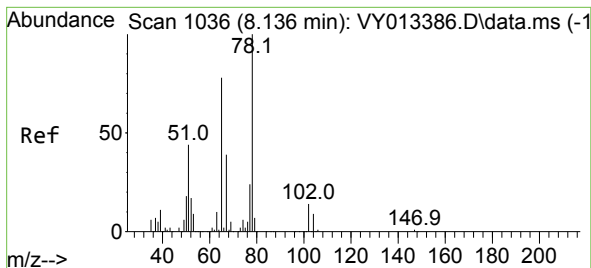
Tgt Ion: 56 Resp: 85800  
Ion Ratio Lower Upper  
56 100  
69 36.3 29.2 43.8  
84 84.6 73.0 109.6



#32  
1,1,1-Trichloroethane  
Concen: 20.330 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. 0.007 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 97 Resp: 91129  
Ion Ratio Lower Upper  
97 100  
99 62.6 52.2 78.2  
61 44.5 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 52.570 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

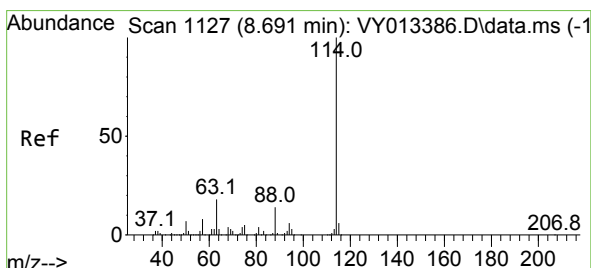
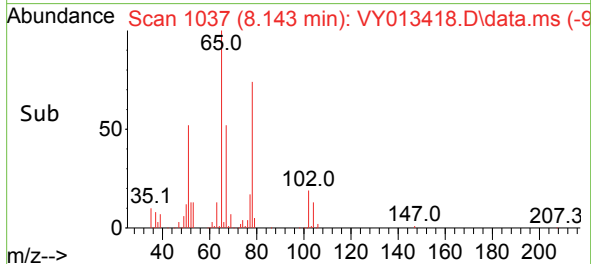
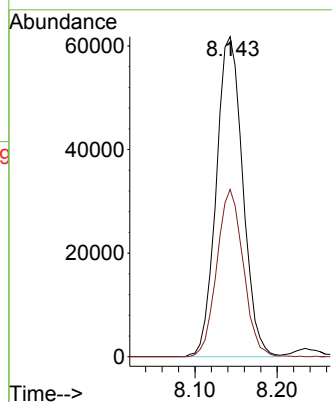
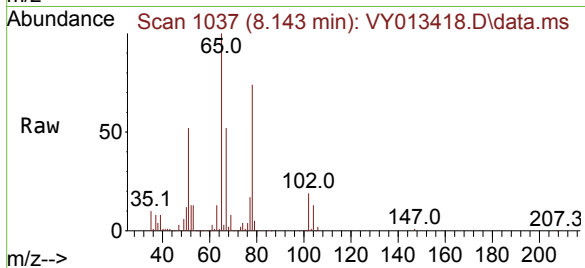
VY0424SBS02

Tgt Ion: 65 Resp: 138598

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

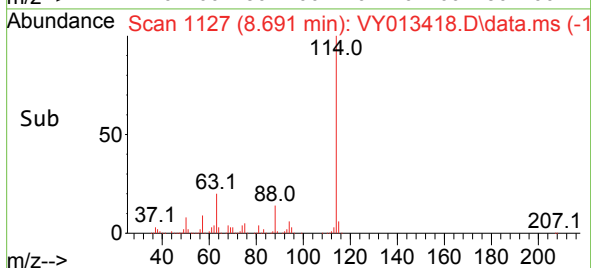
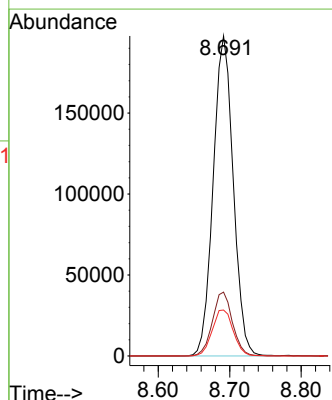
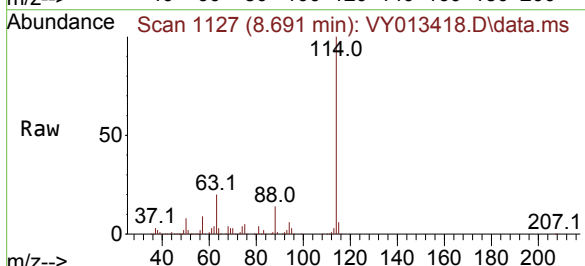
Tgt Ion: 114 Resp: 384644

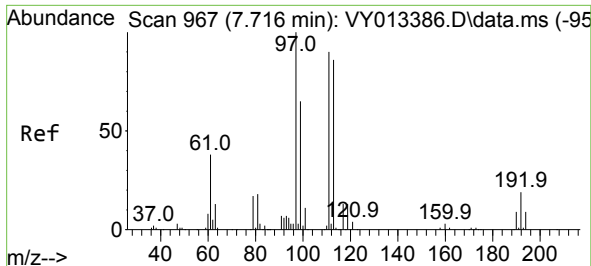
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.6

88 14.3 0.0 28.8

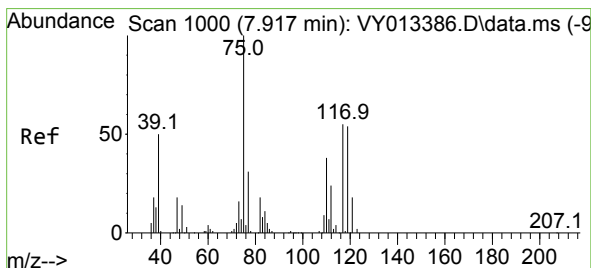
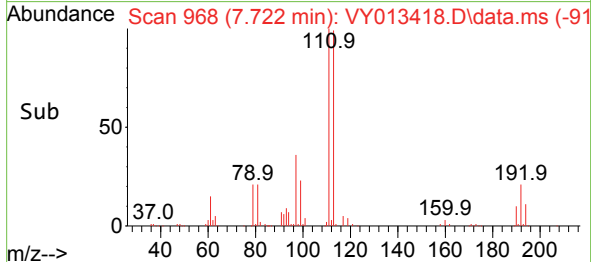
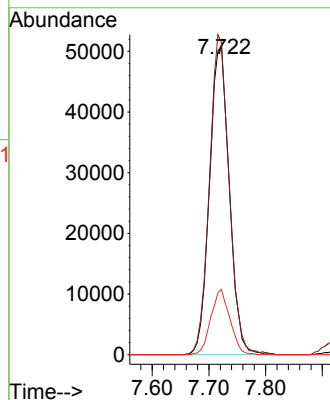
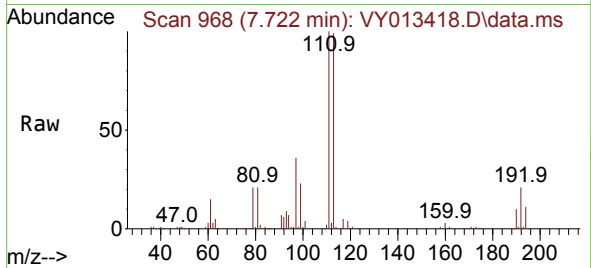




#35  
Dibromofluoromethane  
Concen: 51.104 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

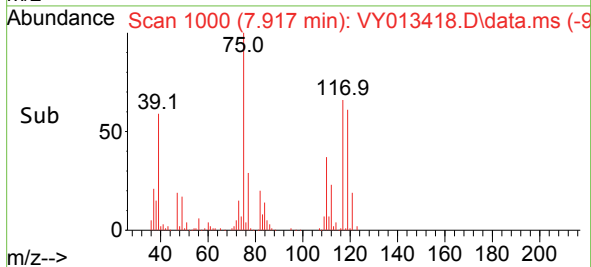
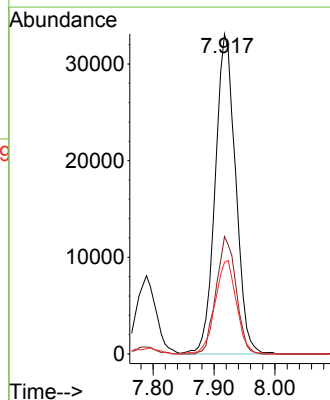
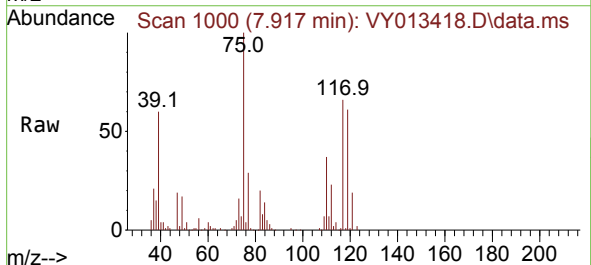
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

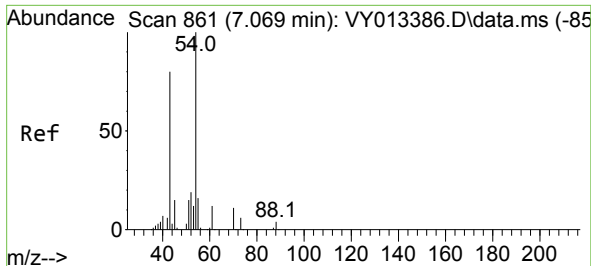
Tgt Ion:113 Resp: 123633  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.2 123.2  
192 20.3 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 19.200 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 75 Resp: 77088  
Ion Ratio Lower Upper  
75 100  
110 35.8 18.7 56.1  
77 30.4 24.6 37.0





#37

Ethyl Acetate

Concen: 19.935 ug/l

RT: 7.076 min Scan# 8

Delta R.T. 0.007 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

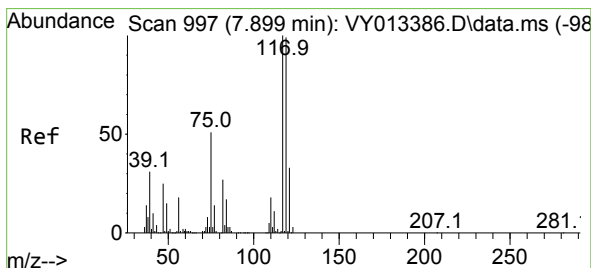
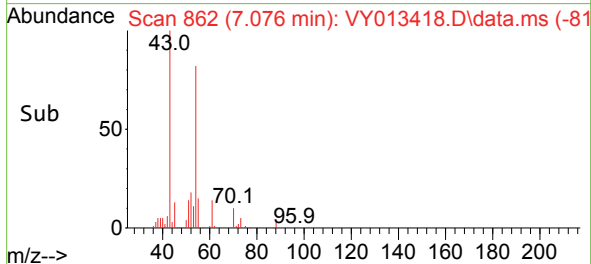
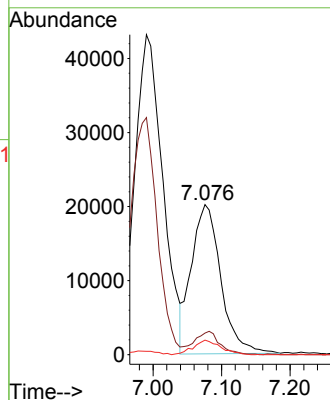
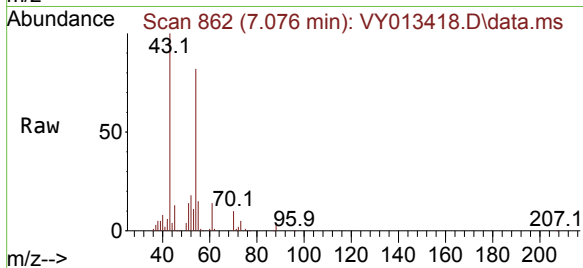
Tgt Ion: 43 Resp: 60233

Ion Ratio Lower Upper

43 100

61 13.3 11.4 17.0

70 8.9 7.9 11.9



#38

Carbon Tetrachloride

Concen: 19.751 ug/l

RT: 7.899 min Scan# 997

Delta R.T. -0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

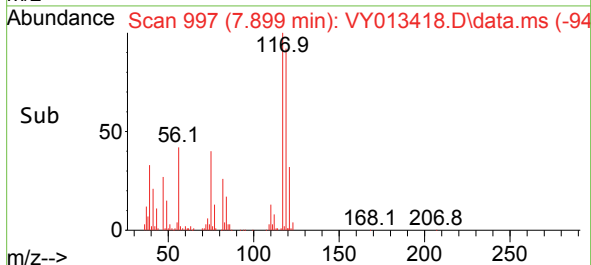
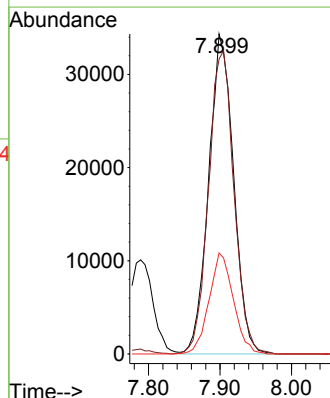
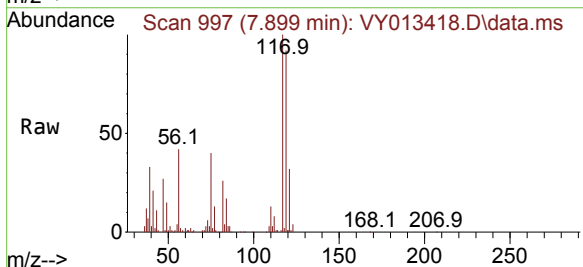
Tgt Ion: 117 Resp: 83116

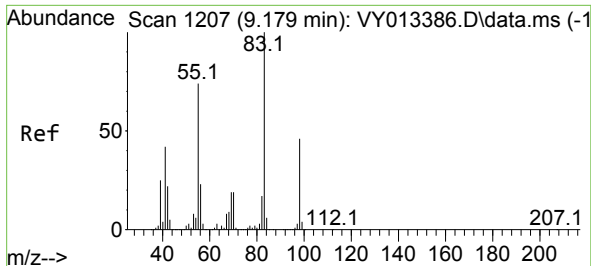
Ion Ratio Lower Upper

117 100

119 92.2 79.0 118.6

121 31.6 26.6 40.0





#39

Methylcyclohexane

Concen: 18.109 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. 0.006 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

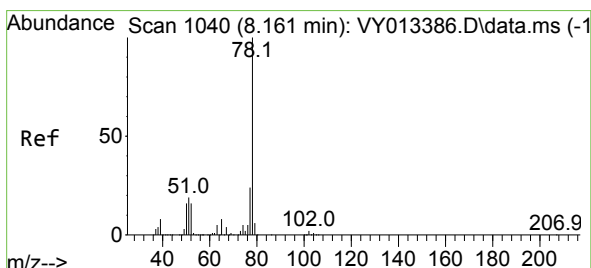
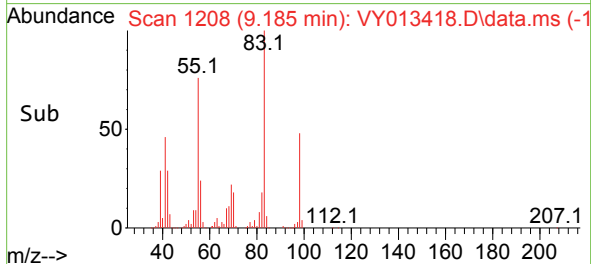
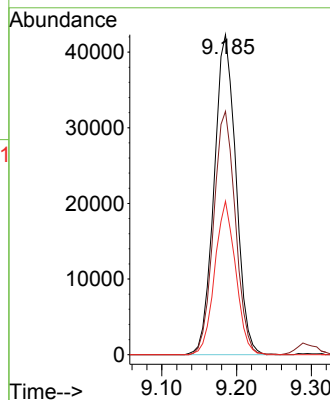
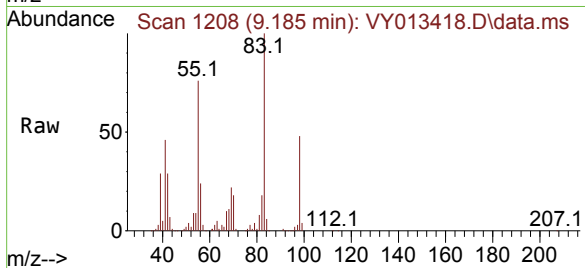
Tgt Ion: 83 Resp: 85718

Ion Ratio Lower Upper

83 100

55 76.1 59.0 88.4

98 47.9 37.0 55.4



#40

Benzene

Concen: 20.148 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY013418.D

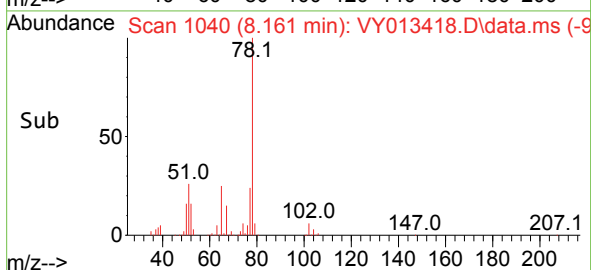
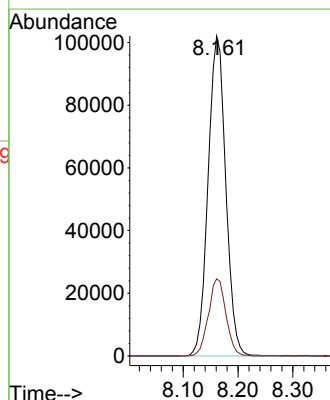
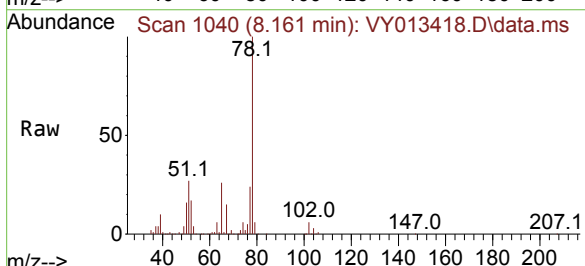
Acq: 25 Apr 2023 00:44

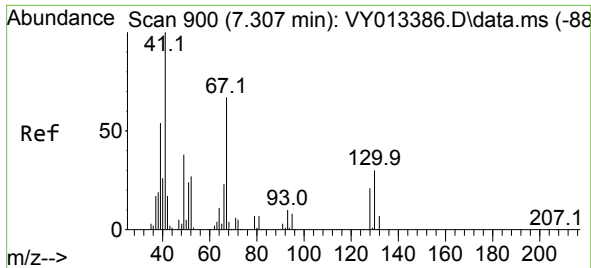
Tgt Ion: 78 Resp: 227871

Ion Ratio Lower Upper

78 100

77 24.1 19.2 28.8

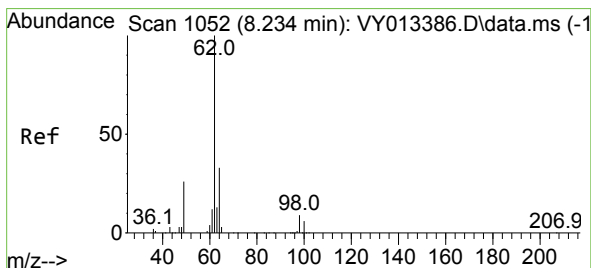
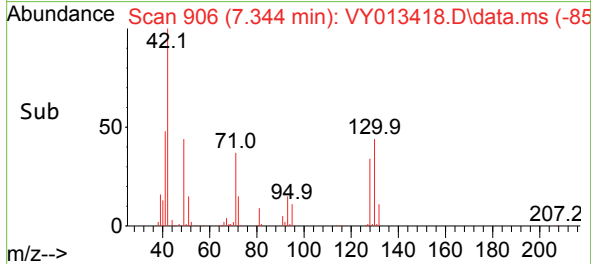
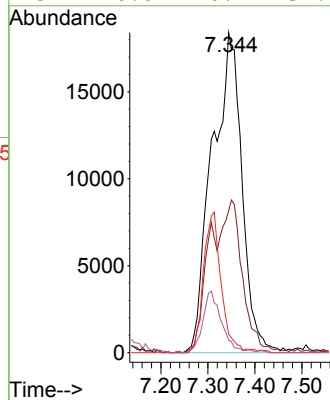
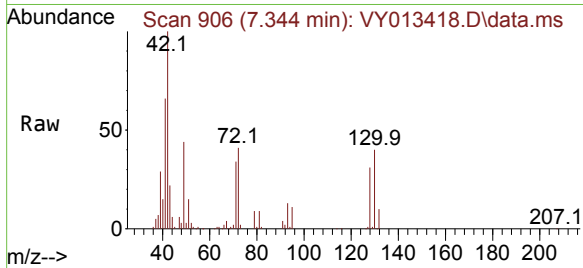




#41  
Methacrylonitrile  
Concen: 57.609 ug/l  
RT: 7.344 min Scan# 90  
Delta R.T. 0.037 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

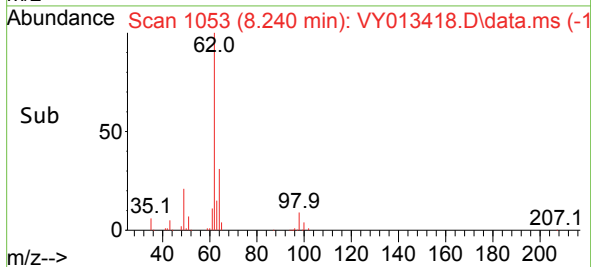
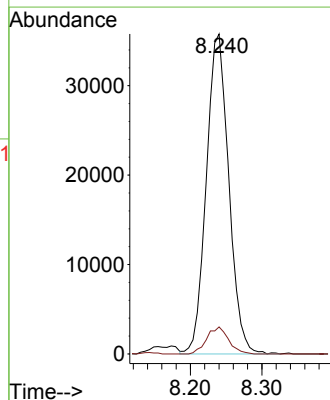
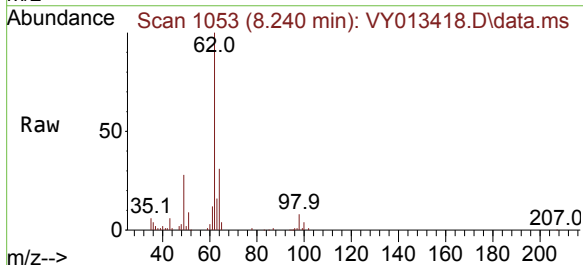
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

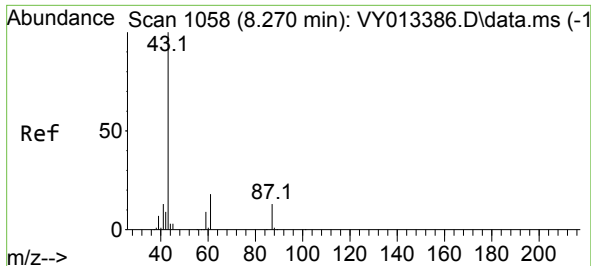
Tgt Ion: 41 Resp: 81112  
Ion Ratio Lower Upper  
41 100  
39 30.5 44.2 66.4#  
67 0.0 62.9 94.3#  
52 0.0 26.4 39.6#



#42  
1,2-Dichloroethane  
Concen: 21.117 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 62 Resp: 78083  
Ion Ratio Lower Upper  
62 100  
98 8.2 0.0 17.8

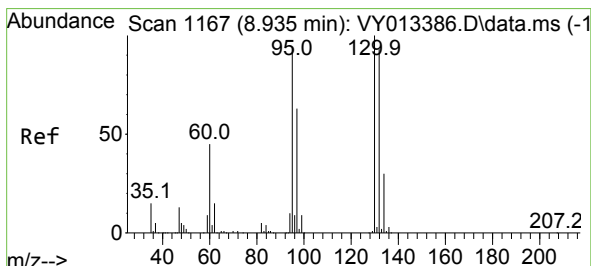
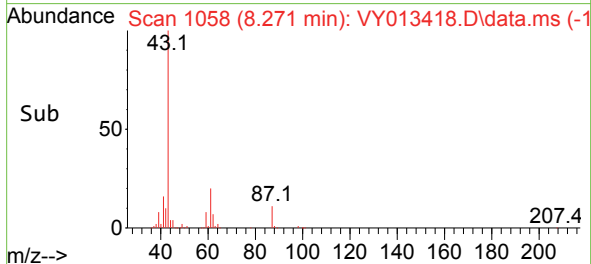
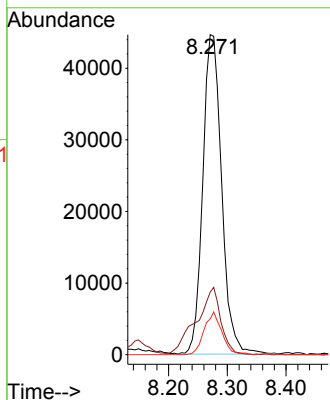
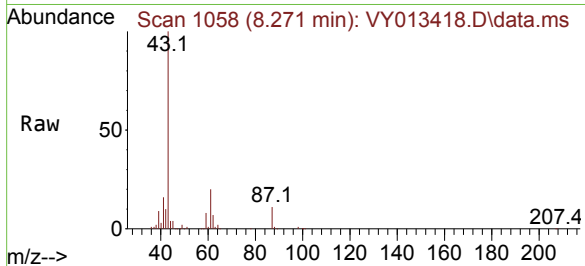




#43  
Isopropyl Acetate  
Concen: 19.515 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. 0.001 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

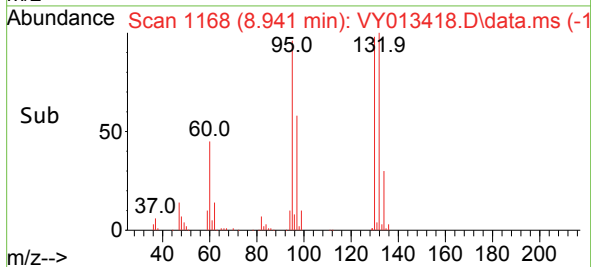
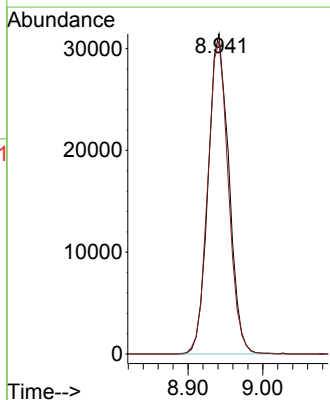
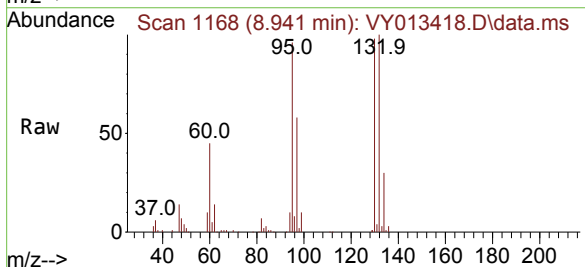
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

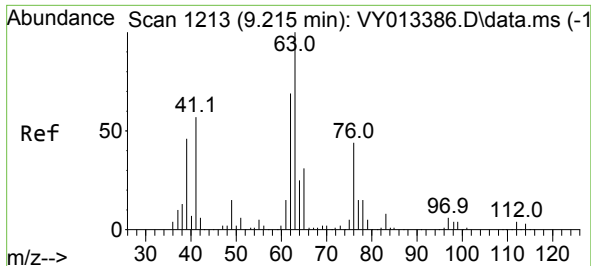
Tgt Ion: 43 Resp: 99524  
Ion Ratio Lower Upper  
43 100  
61 27.5 22.2 33.4  
87 12.6 11.0 16.6



#44  
Trichloroethene  
Concen: 20.110 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion:130 Resp: 60500  
Ion Ratio Lower Upper  
130 100  
95 97.7 0.0 188.8

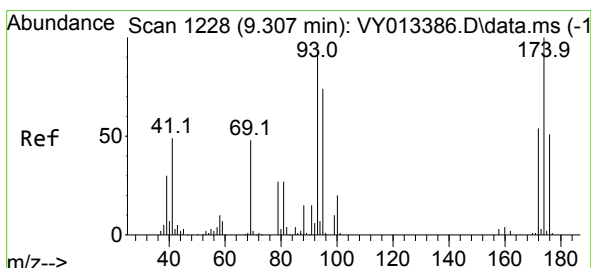
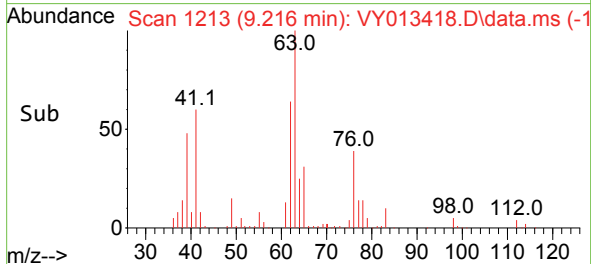
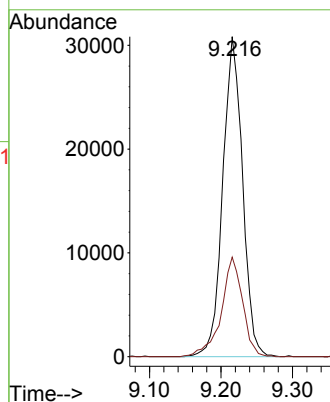
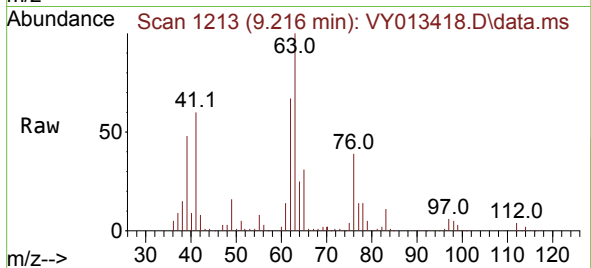




#45  
1,2-Dichloropropane  
Concen: 20.048 ug/l  
RT: 9.216 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

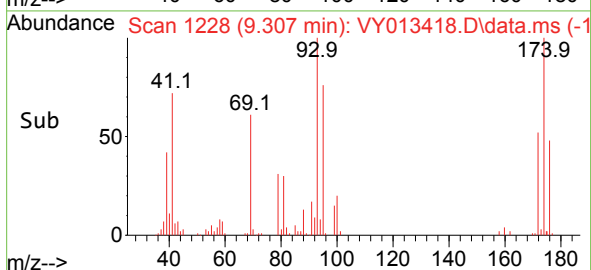
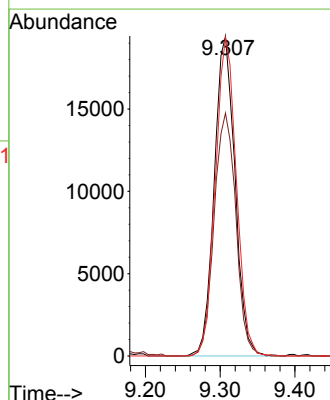
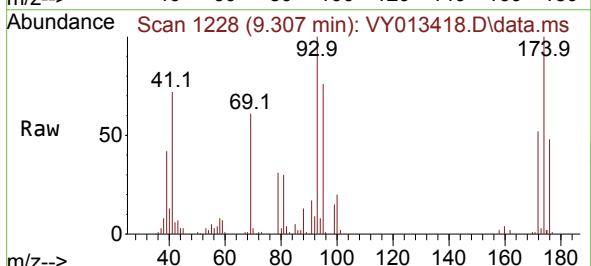
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

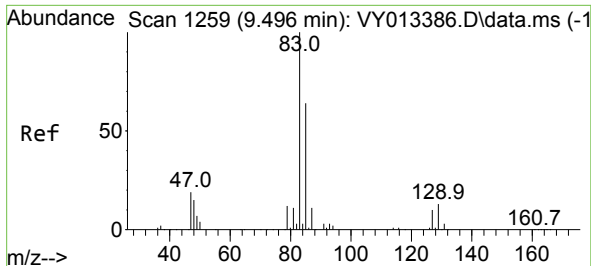
Tgt Ion: 63 Resp: 59286  
Ion Ratio Lower Upper  
63 100  
65 31.1 24.6 37.0



#46  
Dibromomethane  
Concen: 21.134 ug/l  
RT: 9.307 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 93 Resp: 37394  
Ion Ratio Lower Upper  
93 100  
95 79.8 67.1 100.7  
174 101.0 87.0 130.4

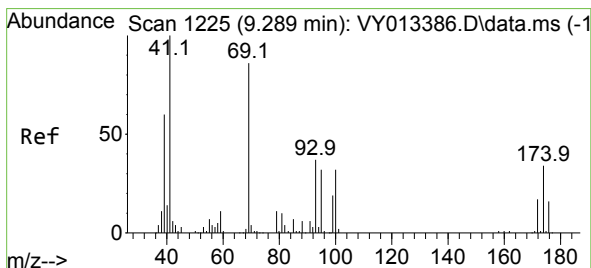
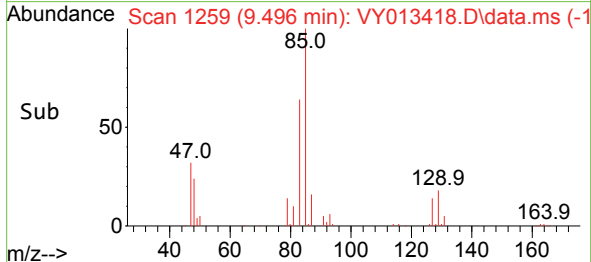
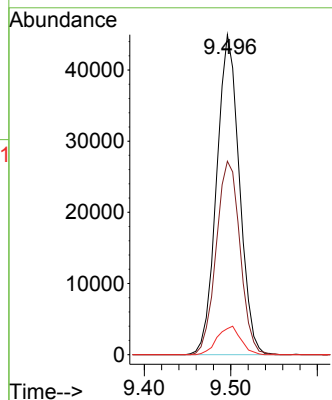
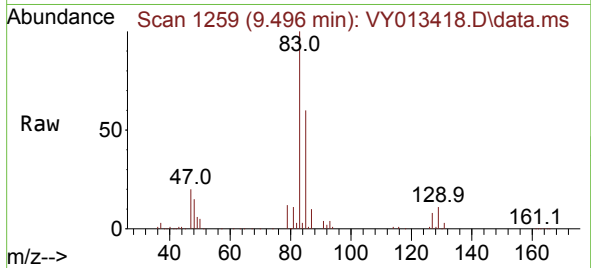




#47  
Bromodichloromethane  
Concen: 20.713 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

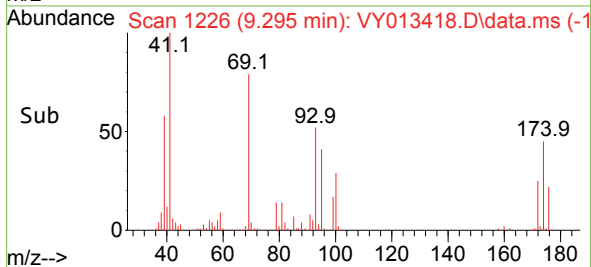
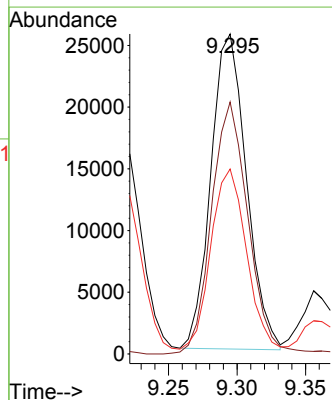
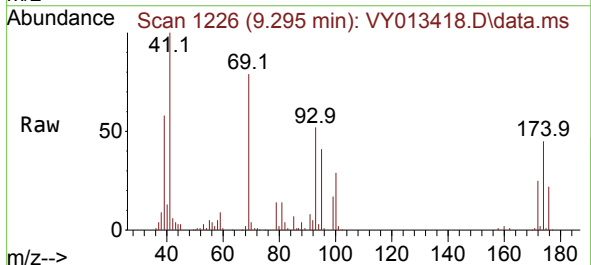
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

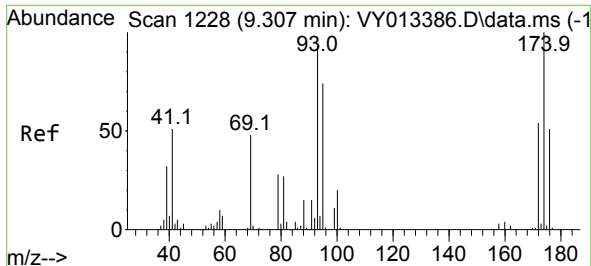
Tgt Ion: 83 Resp: 82008  
Ion Ratio Lower Upper  
83 100  
85 60.4 51.4 77.2  
127 8.2 8.1 12.1



#48  
Methyl methacrylate  
Concen: 19.671 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 41 Resp: 46073  
Ion Ratio Lower Upper  
41 100  
69 82.7 70.2 105.4  
39 59.6 47.9 71.9

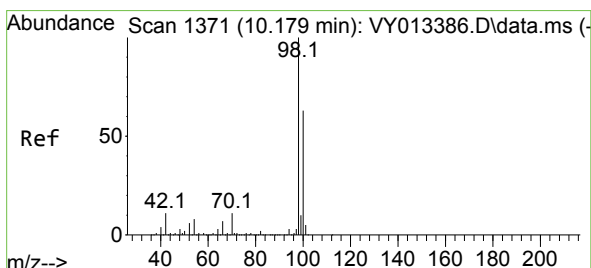
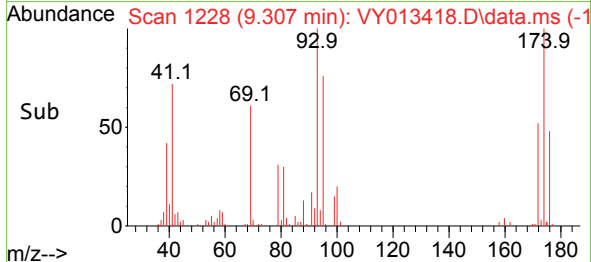
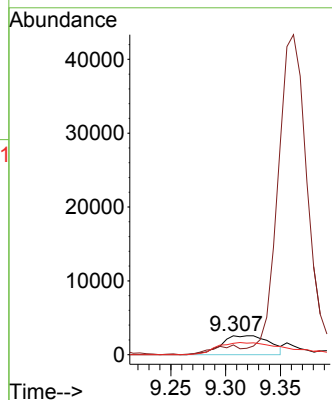
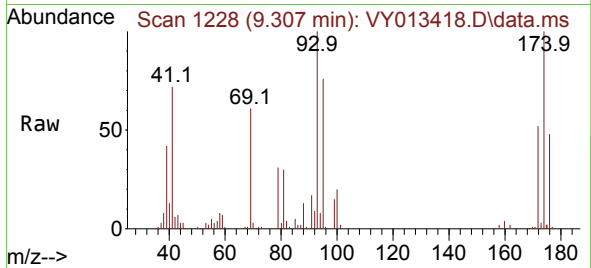




#49  
1,4-Dioxane  
Concen: 312.698 ug/l  
RT: 9.307 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

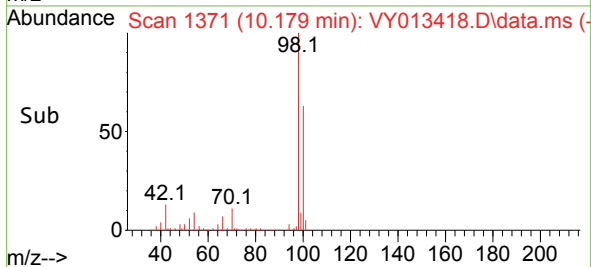
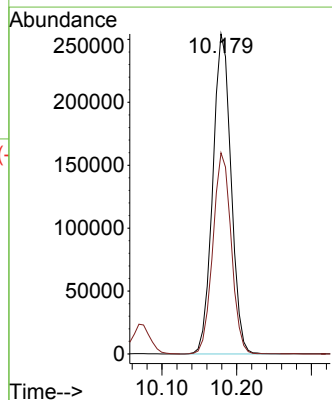
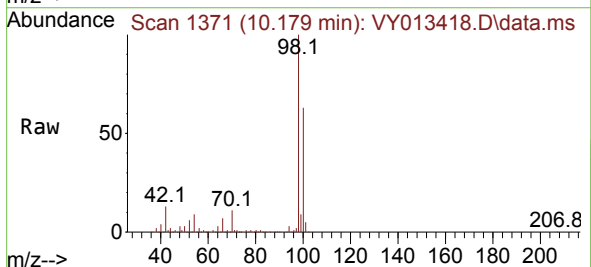
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

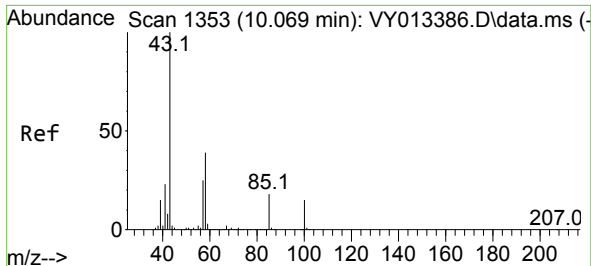
Tgt Ion: 88 Resp: 7902  
Ion Ratio Lower Upper  
88 100  
43 0.0 16.8 25.2#  
58 98.8 54.3 81.5#



#50  
Toluene-d8  
Concen: 50.174 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 98 Resp: 431811  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.5 75.7

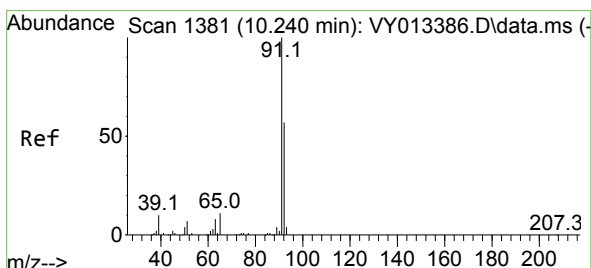
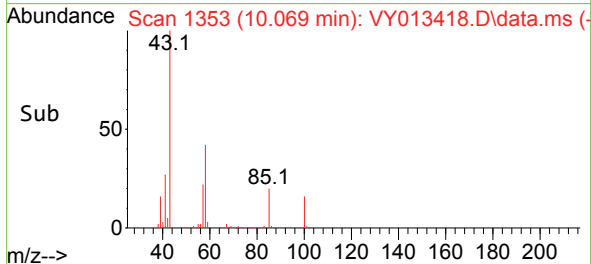
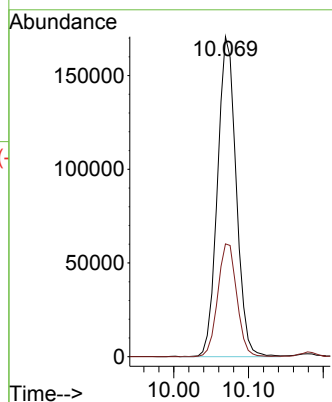
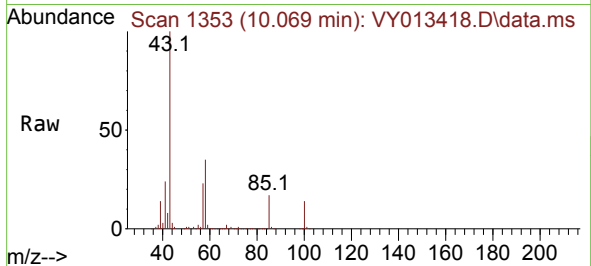




#51  
4-Methyl-2-Pentanone  
Concen: 104.230 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

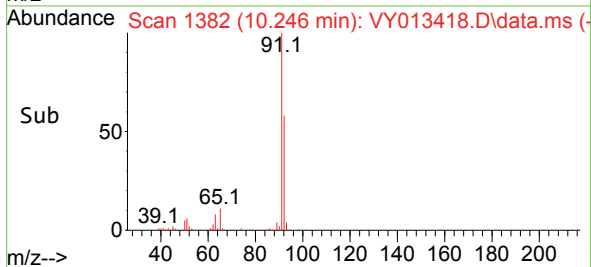
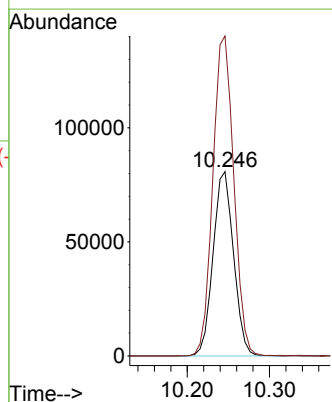
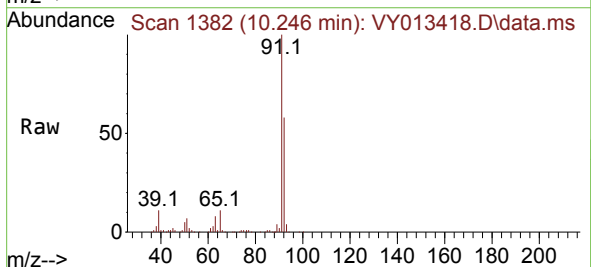
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

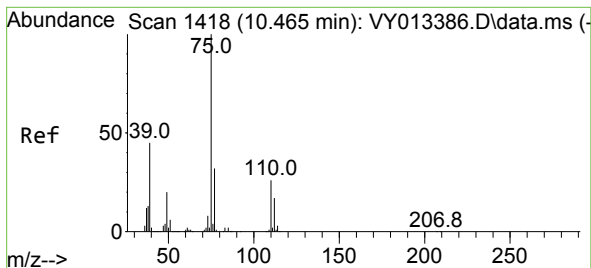
Tgt Ion: 43 Resp: 296212  
Ion Ratio Lower Upper  
43 100  
58 36.0 30.6 46.0



#52  
Toluene  
Concen: 20.556 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 92 Resp: 139902  
Ion Ratio Lower Upper  
92 100  
91 177.9 140.2 210.4

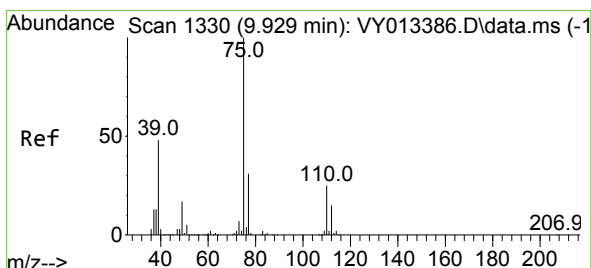
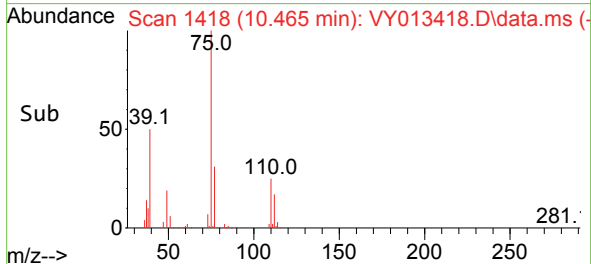
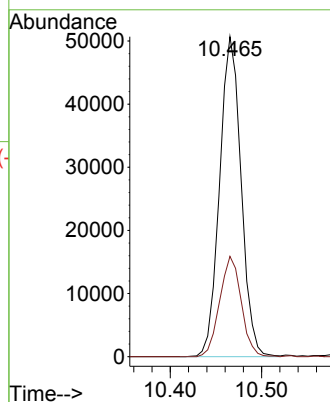
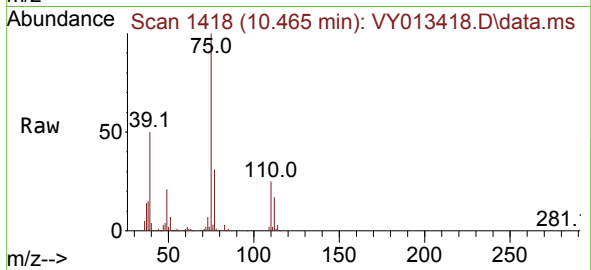




#53  
t-1,3-Dichloropropene  
Concen: 19.787 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

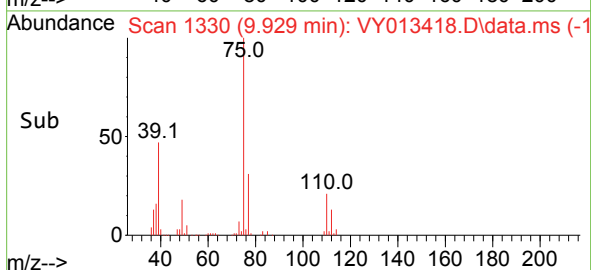
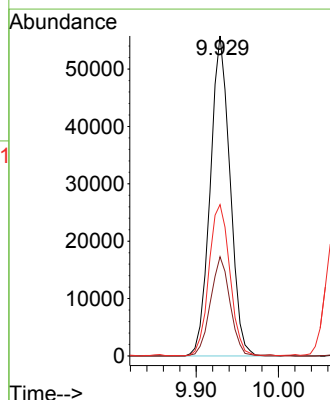
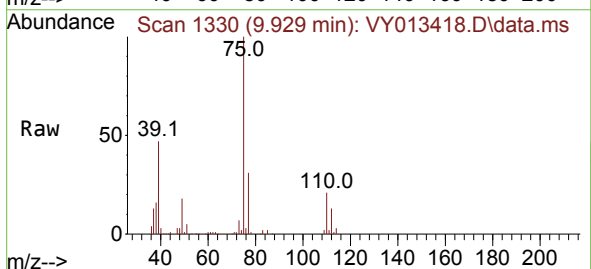
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

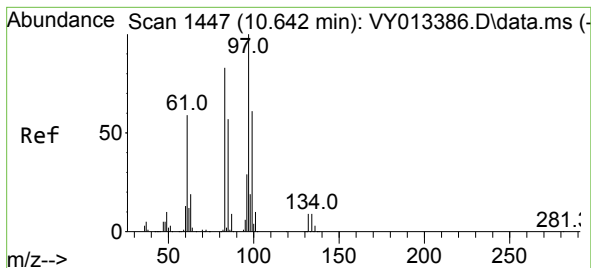
Tgt Ion: 75 Resp: 82913  
Ion Ratio Lower Upper  
75 100  
77 31.3 25.8 38.8



#54  
cis-1,3-Dichloropropene  
Concen: 19.778 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 75 Resp: 93251  
Ion Ratio Lower Upper  
75 100  
77 31.0 24.8 37.2  
39 47.2 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 21.152 ug/l

RT: 10.648 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

Tgt Ion: 97 Resp: 49563

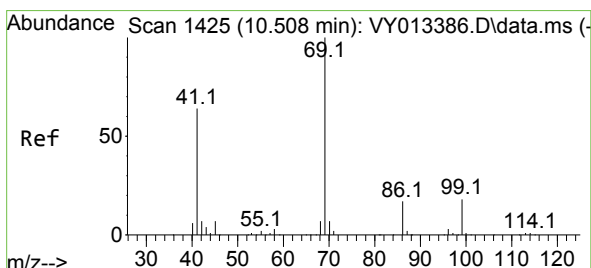
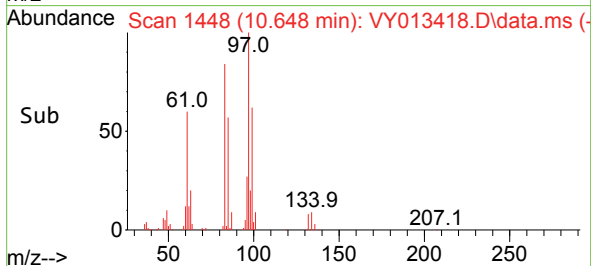
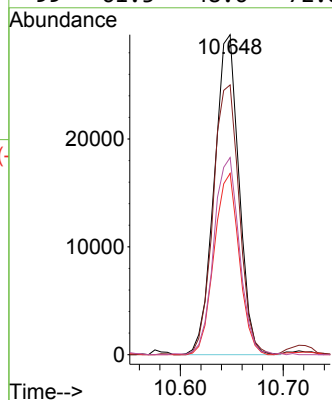
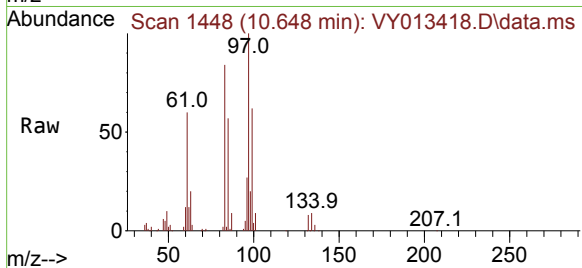
Ion Ratio Lower Upper

97 100

83 84.3 66.4 99.6

85 56.6 45.6 68.4

99 61.3 48.6 72.8



#56

Ethyl methacrylate

Concen: 20.379 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

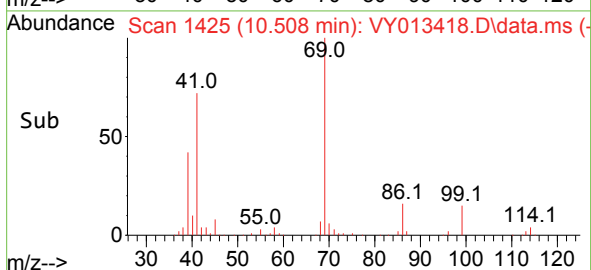
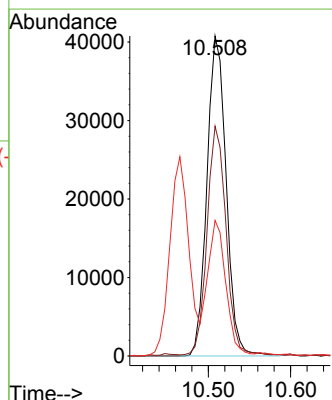
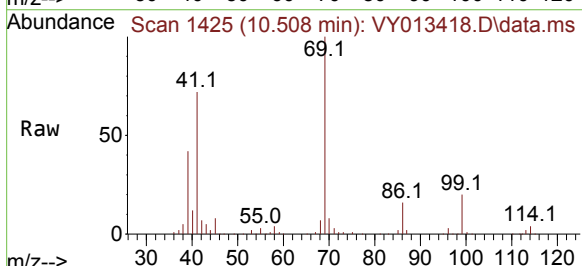
Tgt Ion: 69 Resp: 66247

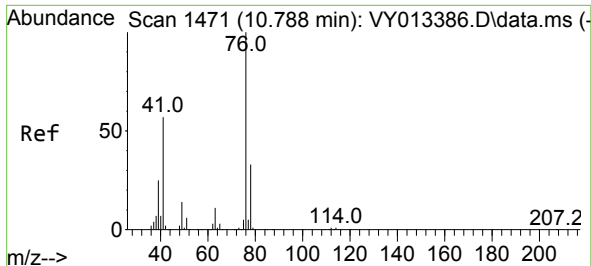
Ion Ratio Lower Upper

69 100

41 70.9 51.4 77.0

39 38.8 29.0 43.6





#57

1,3-Dichloropropane

Concen: 20.739 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

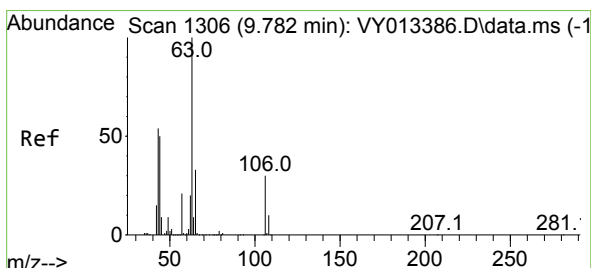
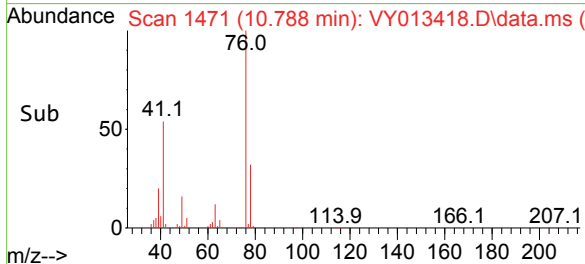
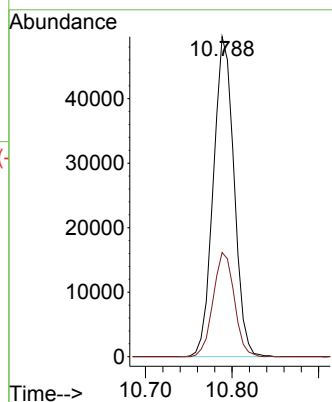
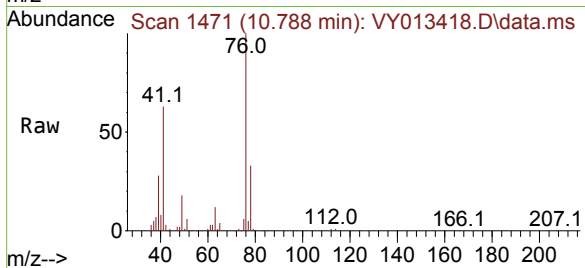
VY0424SBS02

Tgt Ion: 76 Resp: 82300

Ion Ratio Lower Upper

76 100

78 33.3 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 111.419 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.001 min

Lab File: VY013418.D

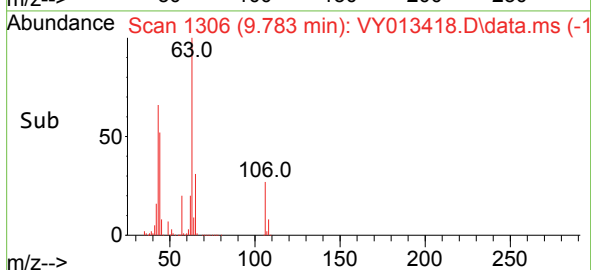
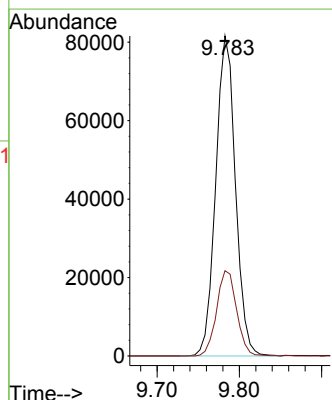
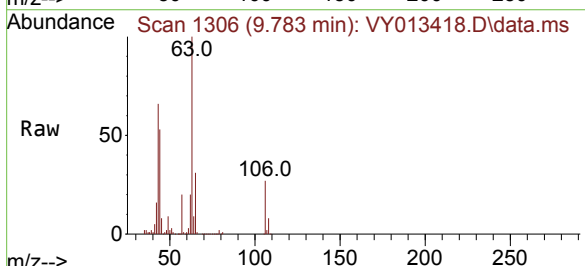
Acq: 25 Apr 2023 00:44

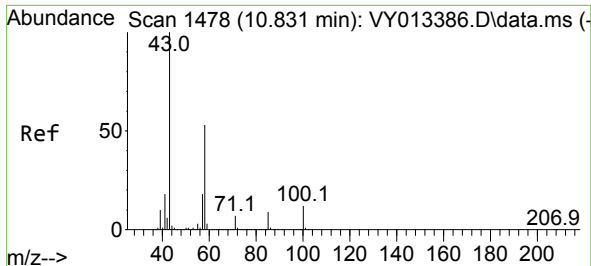
Tgt Ion: 63 Resp: 135819

Ion Ratio Lower Upper

63 100

106 27.1 23.5 35.3

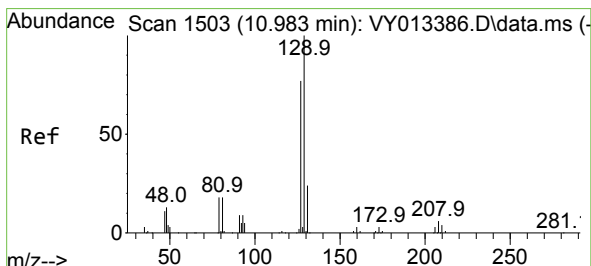
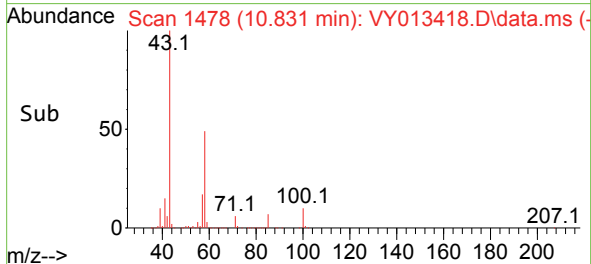
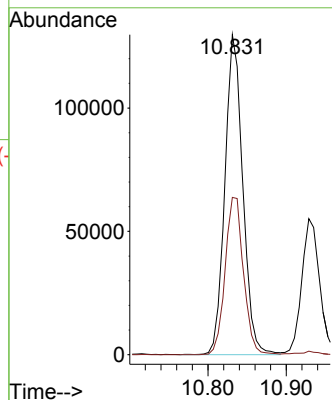
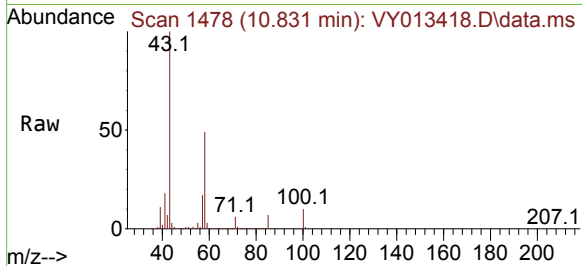




#59  
2-Hexanone  
Concen: 99.889 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

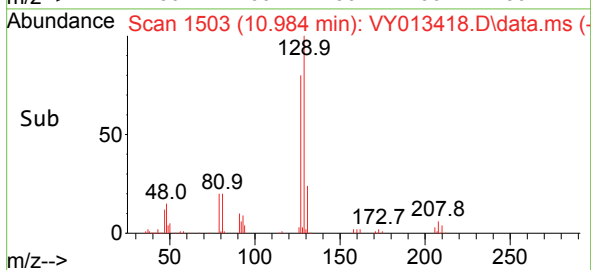
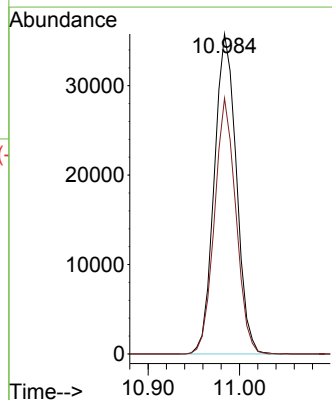
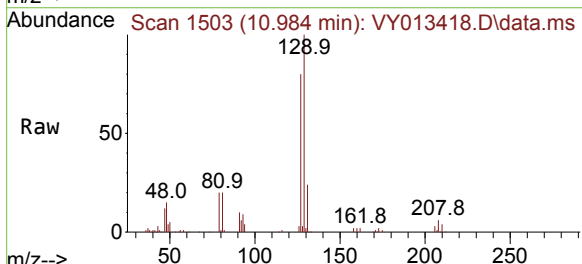
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

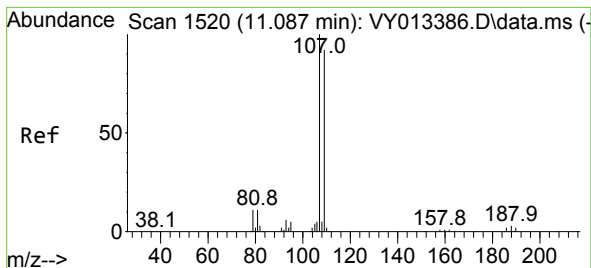
Tgt Ion: 43 Resp: 206355  
Ion Ratio Lower Upper  
43 100  
58 50.4 26.3 78.8



#60  
Dibromochloromethane  
Concen: 21.112 ug/l  
RT: 10.984 min Scan# 1503  
Delta R.T. 0.001 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 129 Resp: 60066  
Ion Ratio Lower Upper  
129 100  
127 77.6 38.7 116.1

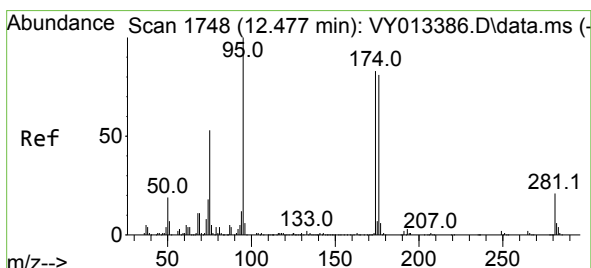
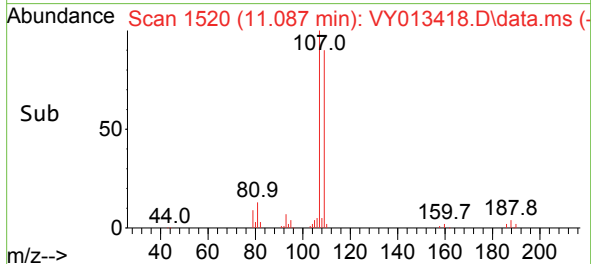
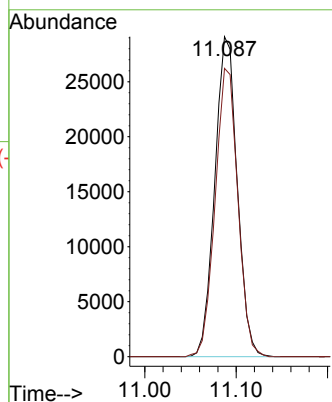
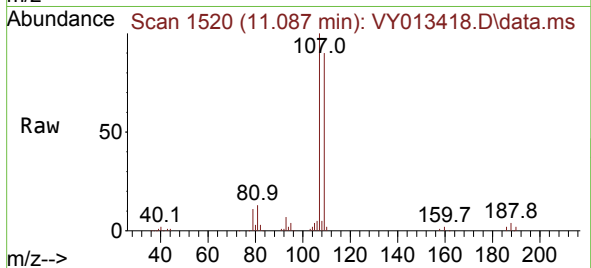




#61  
1,2-Dibromoethane  
Concen: 21.555 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

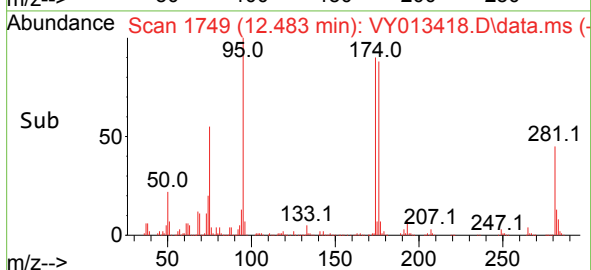
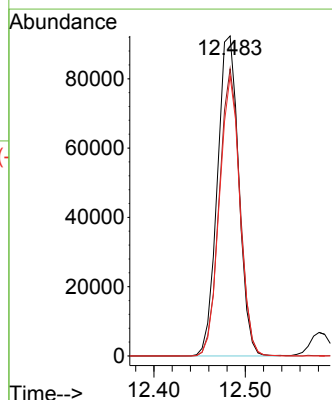
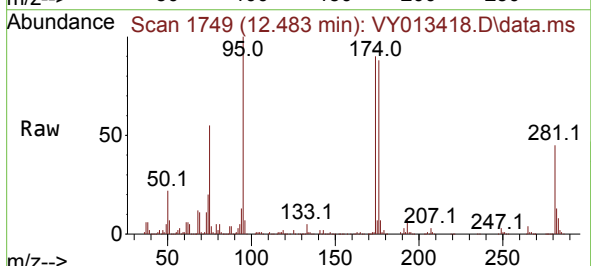
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

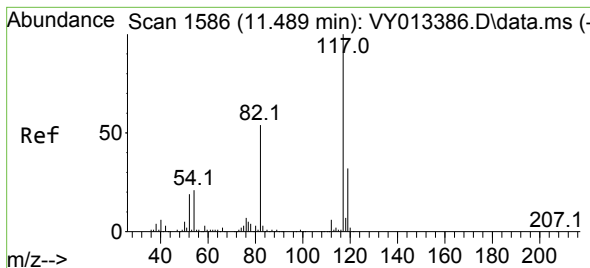
Tgt Ion:107 Resp: 49657  
Ion Ratio Lower Upper  
107 100  
109 91.1 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 51.731 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 95 Resp: 150091  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 182.0  
176 83.8 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

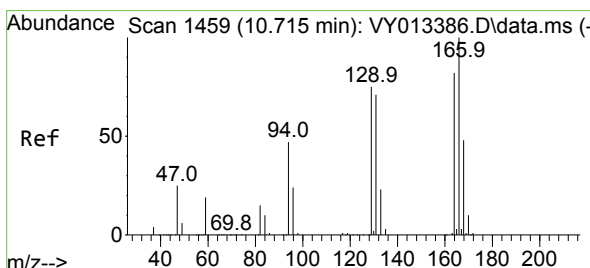
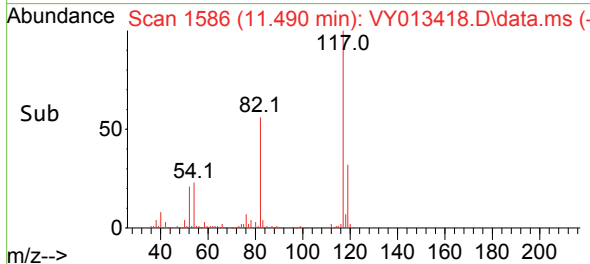
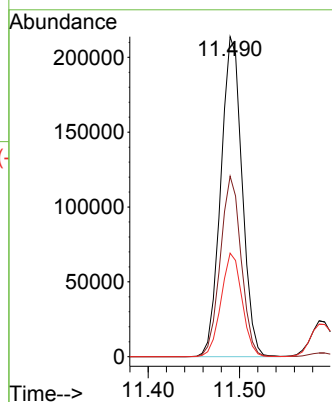
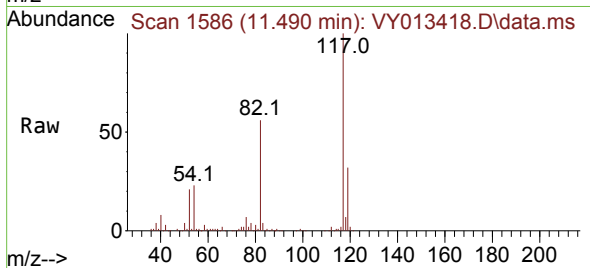
Tgt Ion:117 Resp: 346342

Ion Ratio Lower Upper

117 100

82 56.4 43.0 64.6

119 32.4 25.5 38.3



#64

Tetrachloroethene

Concen: 20.175 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Tgt Ion:164 Resp: 53134

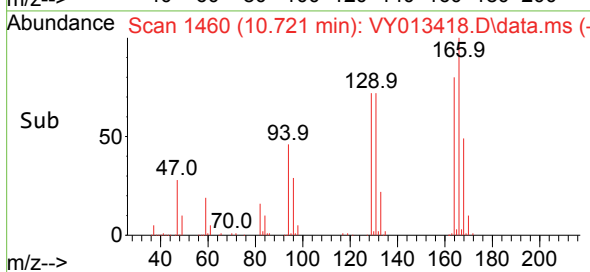
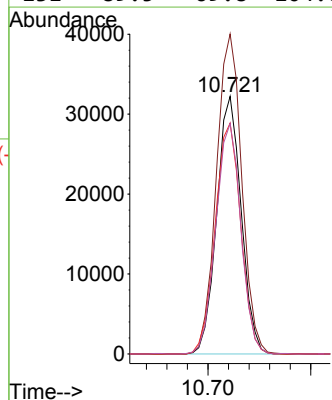
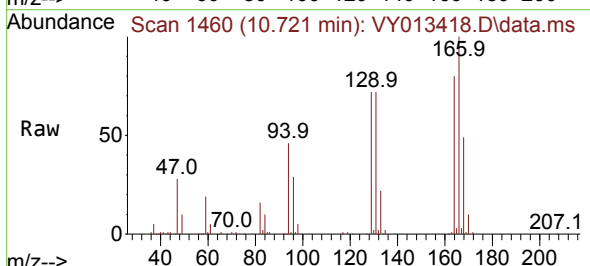
Ion Ratio Lower Upper

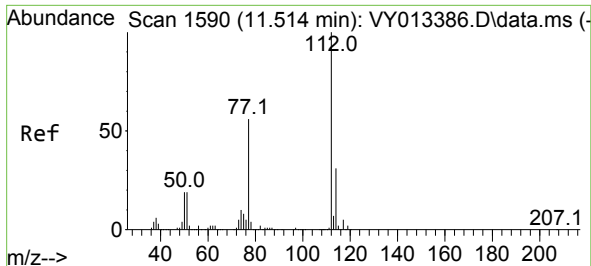
164 100

166 124.2 97.5 146.3

129 89.6 72.6 109.0

131 89.5 69.8 104.6

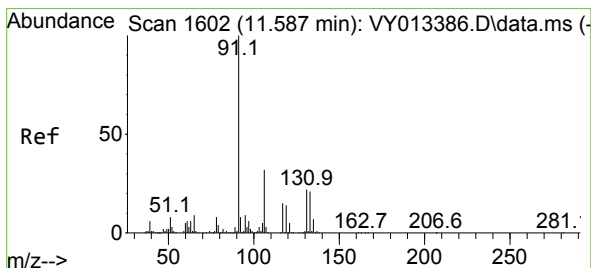
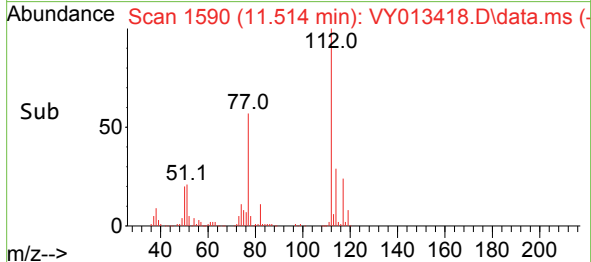
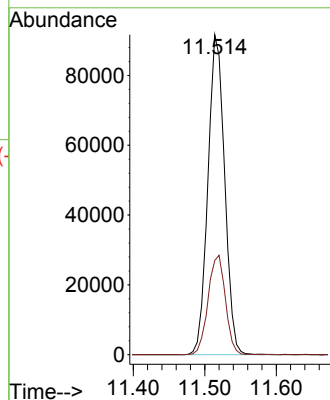
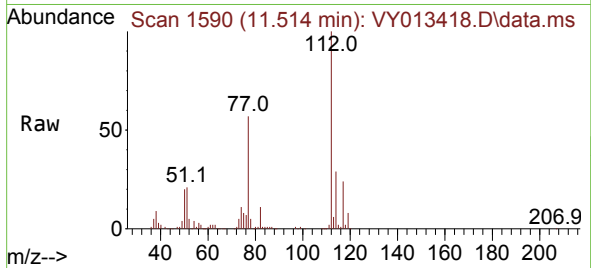




#65  
Chlorobenzene  
Concen: 19.729 ug/l  
RT: 11.514 min Scan# 11590  
Delta R.T. -0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

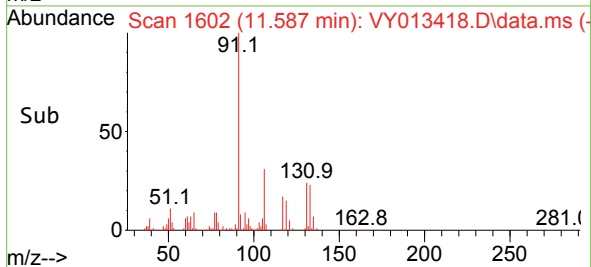
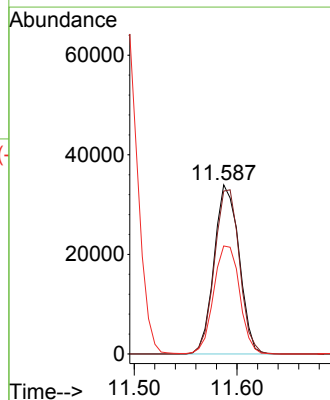
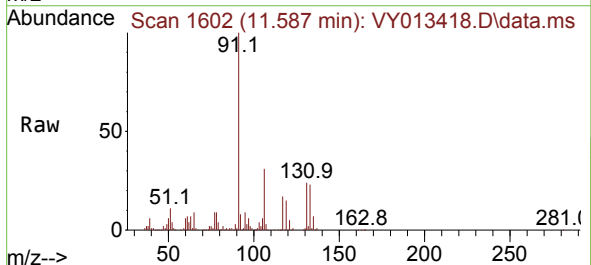
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

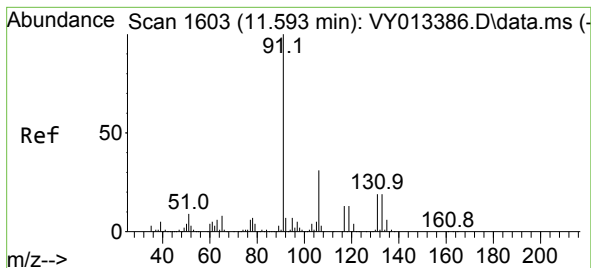
Tgt Ion:112 Resp: 148852  
Ion Ratio Lower Upper  
112 100  
114 29.5 24.9 37.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.339 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion:131 Resp: 57391  
Ion Ratio Lower Upper  
131 100  
133 97.4 47.7 143.1  
119 66.5 32.6 98.0





#67

Ethyl Benzene

Concen: 19.205 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

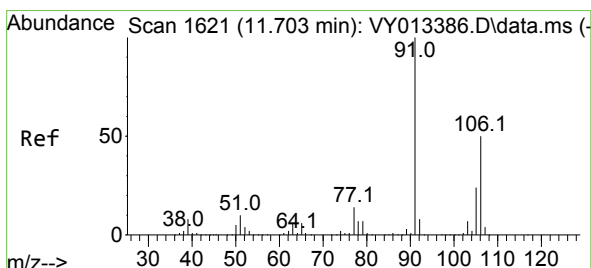
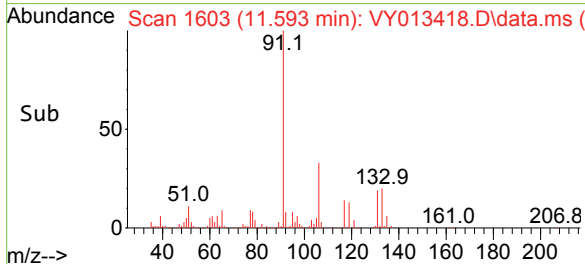
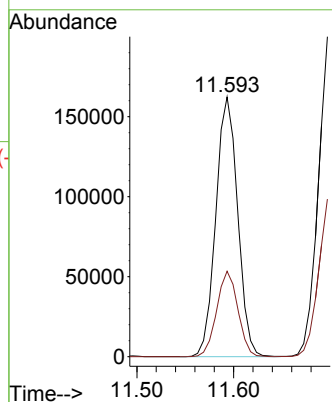
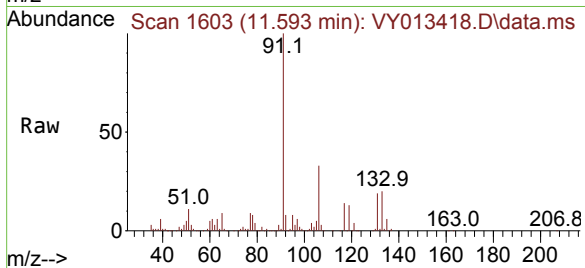
VY0424SBS02

Tgt Ion: 91 Resp: 254439

Ion Ratio Lower Upper

91 100

106 32.9 25.1 37.7



#68

m/p-Xylenes

Concen: 40.113 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY013418.D

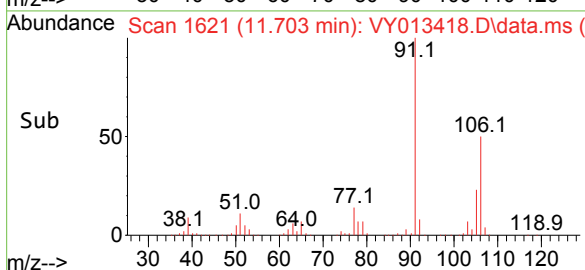
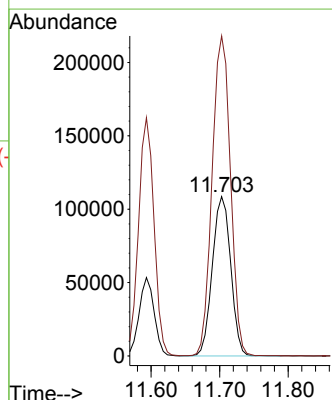
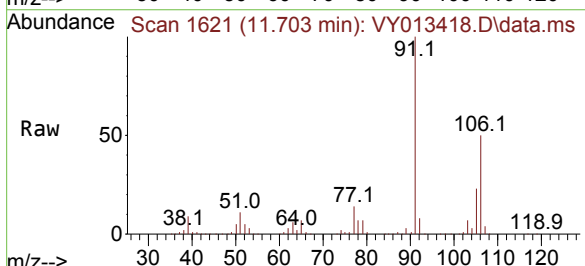
Acq: 25 Apr 2023 00:44

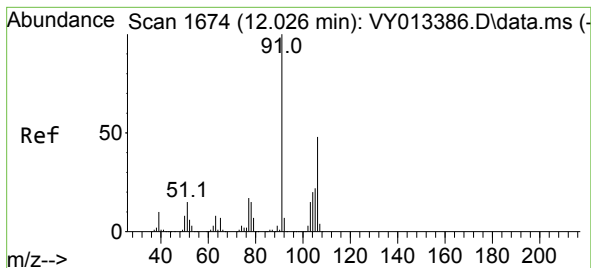
Tgt Ion: 106 Resp: 202028

Ion Ratio Lower Upper

106 100

91 200.4 160.9 241.3





#69

o-Xylene

Concen: 20.129 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.006 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

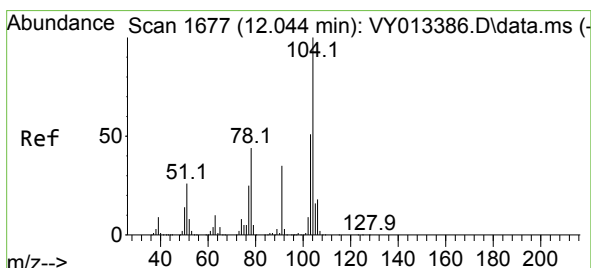
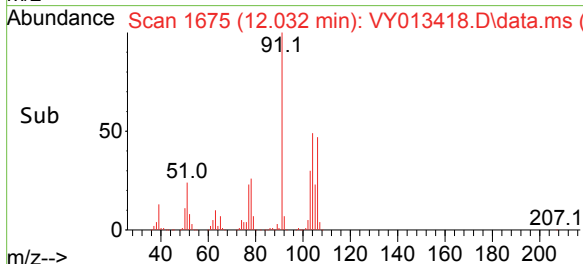
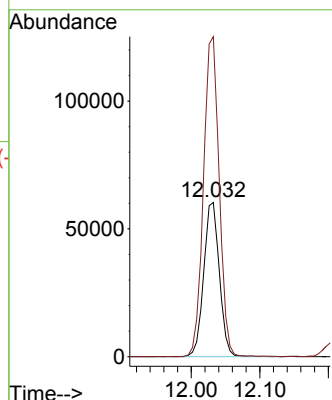
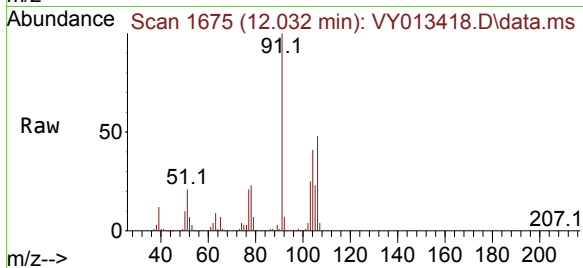
VY0424SBS02

Tgt Ion:106 Resp: 95877

Ion Ratio Lower Upper

106 100

91 208.7 105.5 316.4



#70

Styrene

Concen: 20.509 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

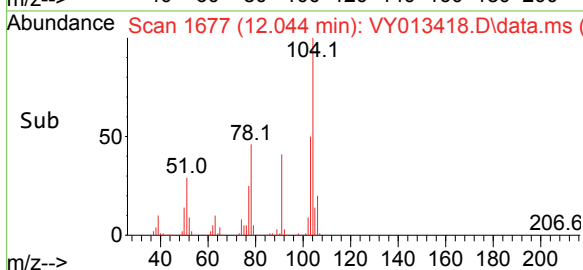
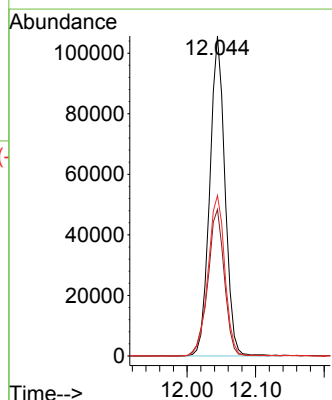
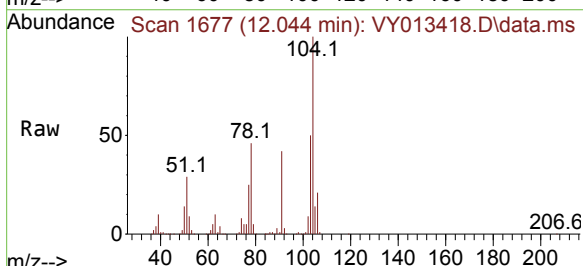
Tgt Ion:104 Resp: 163339

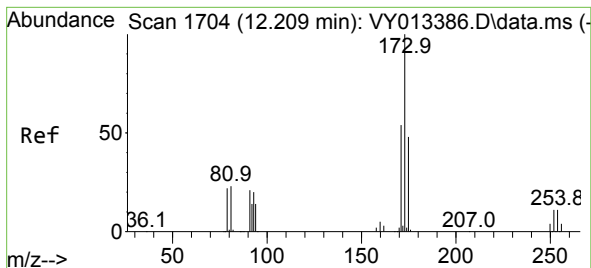
Ion Ratio Lower Upper

104 100

78 49.6 40.3 60.5

103 55.4 45.0 67.4





#71

Bromoform

Concen: 20.721 ug/l

RT: 12.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

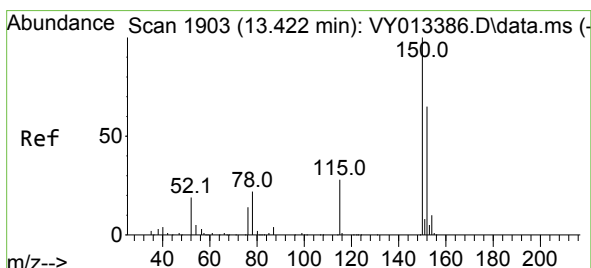
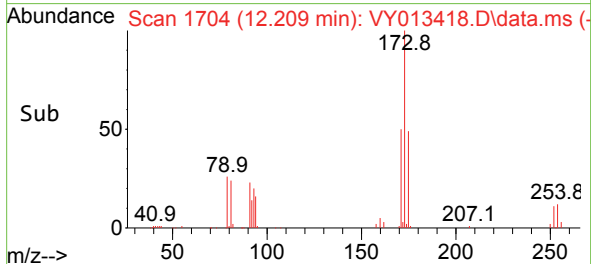
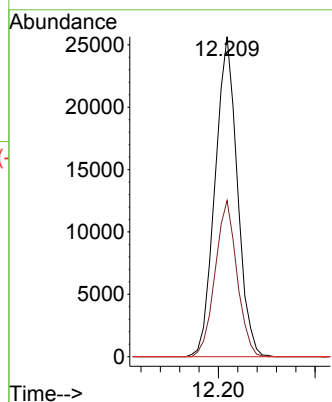
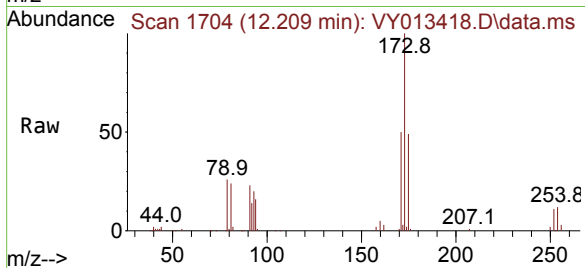
Tgt Ion:173 Resp: 40954

Ion Ratio Lower Upper

173 100

175 47.8 24.3 72.8

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

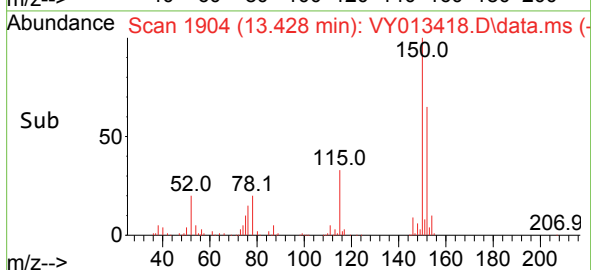
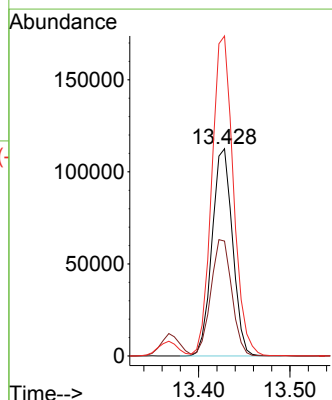
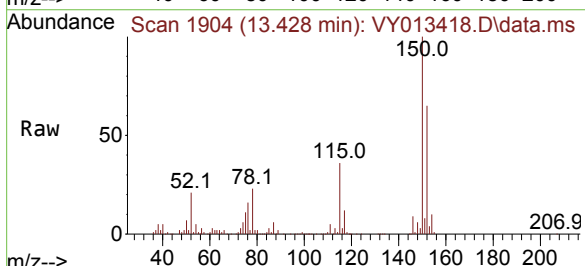
Tgt Ion:152 Resp: 175505

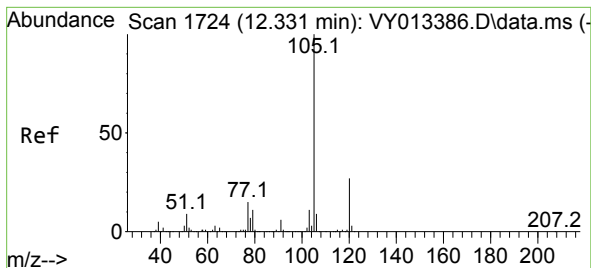
Ion Ratio Lower Upper

152 100

115 57.4 28.1 84.2

150 162.1 0.0 352.0





#73

Isopropylbenzene

Concen: 18.226 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

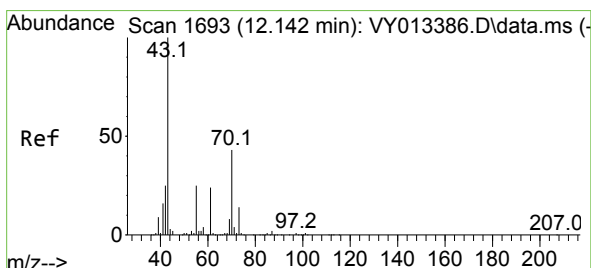
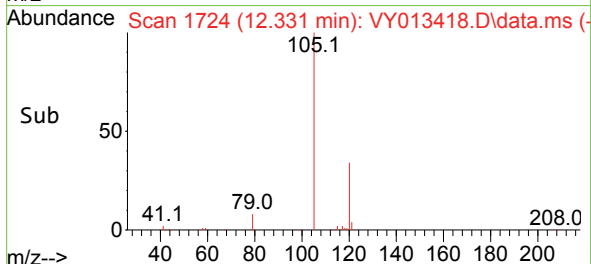
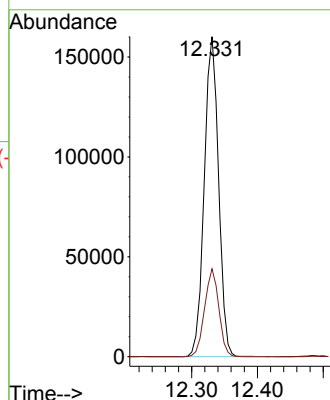
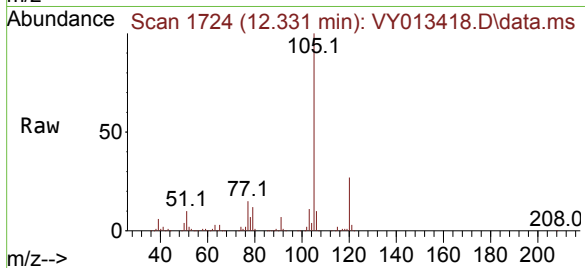
VY0424SBS02

Tgt Ion:105 Resp: 241938

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.0



#74

N-ethyl acetate

Concen: 18.217 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Tgt Ion: 43 Resp: 86056

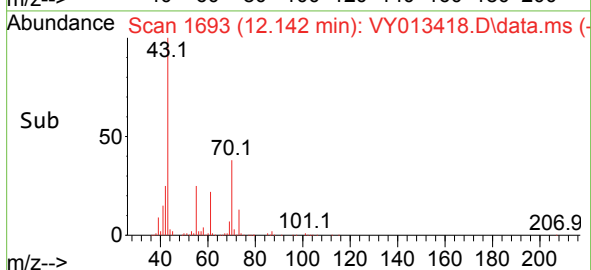
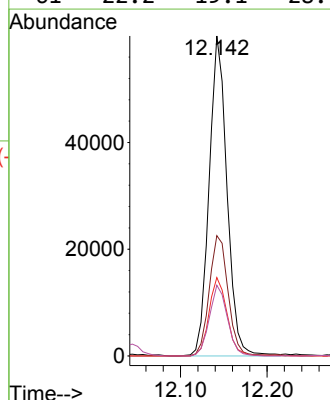
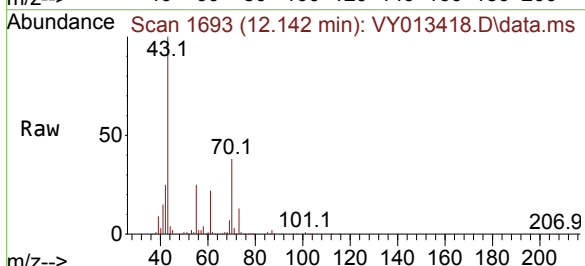
Ion Ratio Lower Upper

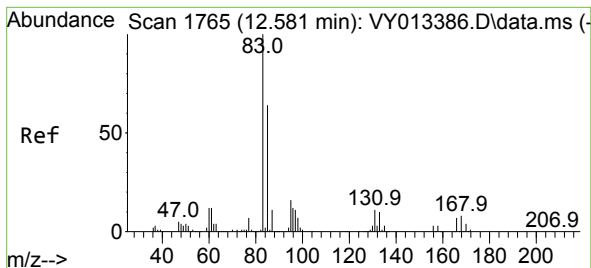
43 100

70 39.7 33.0 49.4

55 24.7 19.8 29.6

61 22.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.784 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

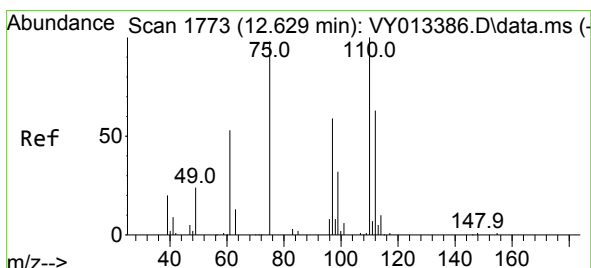
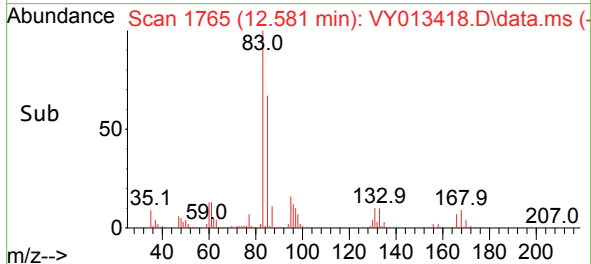
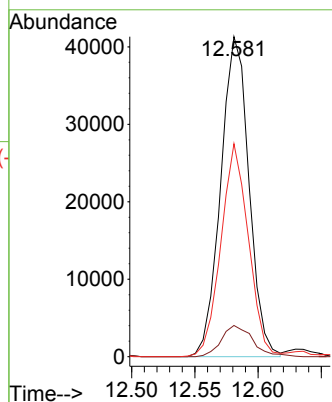
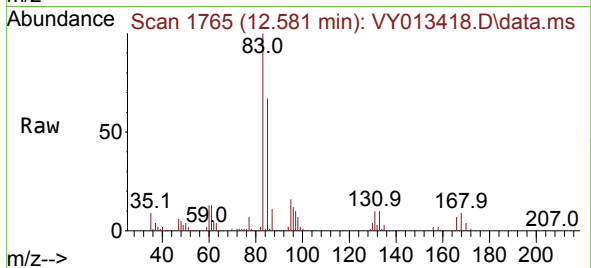
Tgt Ion: 83 Resp: 64194

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.0

85 64.7 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 34.257 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. 0.001 min

Lab File: VY013418.D

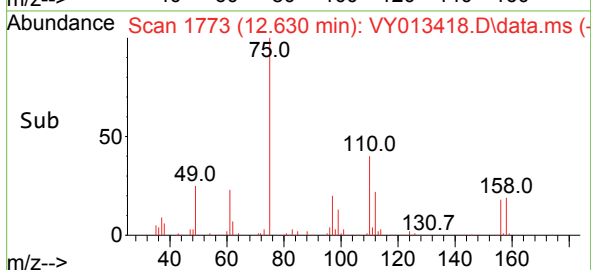
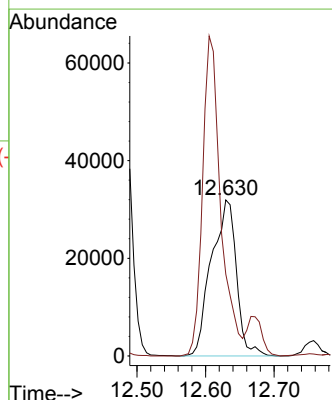
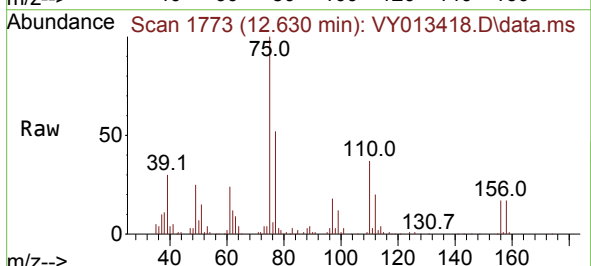
Acq: 25 Apr 2023 00:44

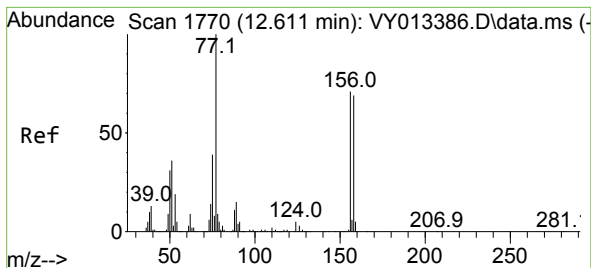
Tgt Ion: 75 Resp: 81082

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.765 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

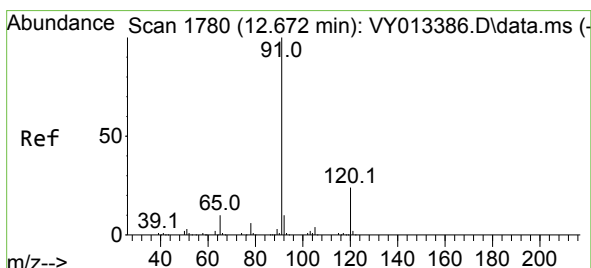
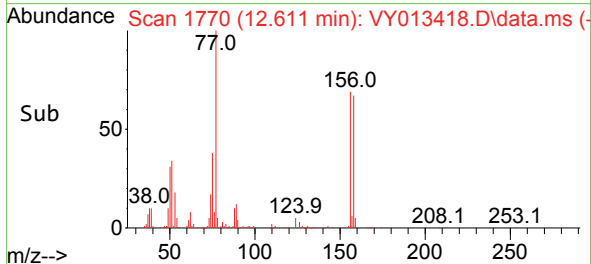
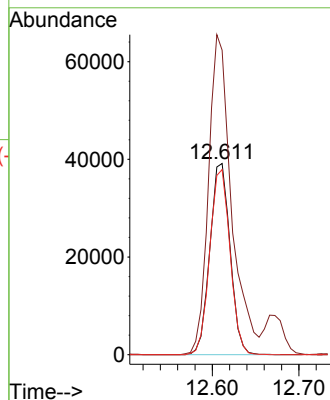
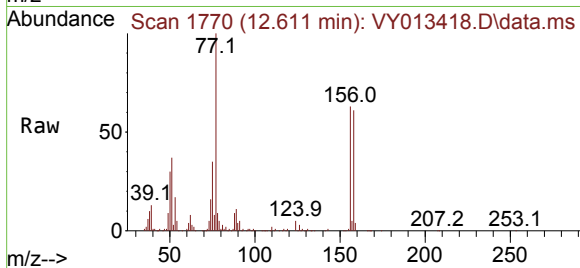
Tgt Ion:156 Resp: 63573

Ion Ratio Lower Upper

156 100

77 190.1 87.6 262.9

158 97.2 48.5 145.5



#78

n-propylbenzene

Concen: 18.562 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY013418.D

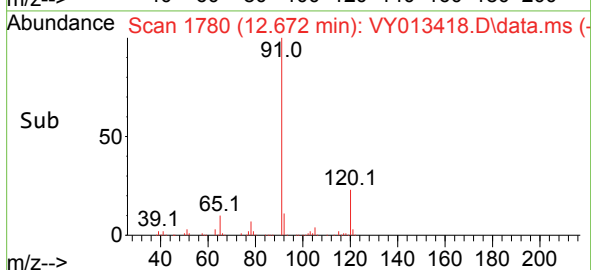
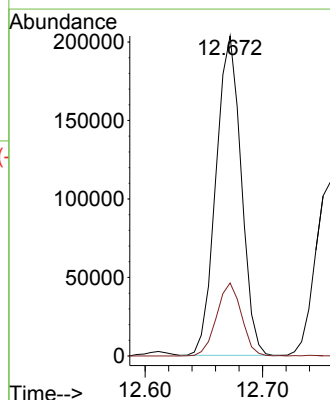
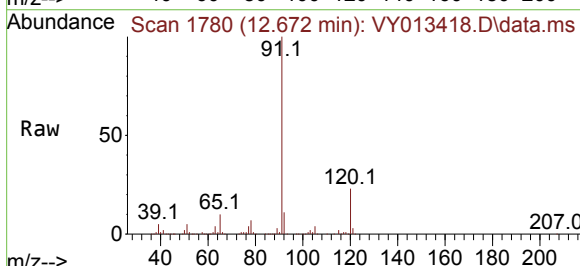
Acq: 25 Apr 2023 00:44

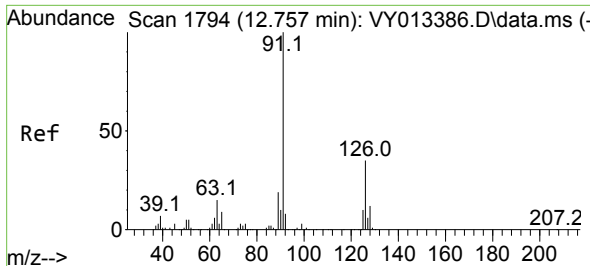
Tgt Ion: 91 Resp: 303502

Ion Ratio Lower Upper

91 100

120 22.5 11.9 35.9

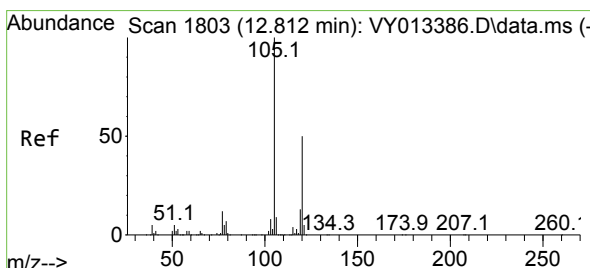
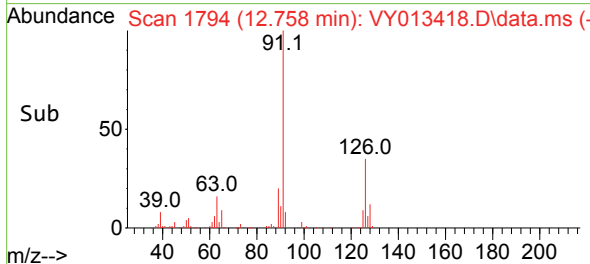
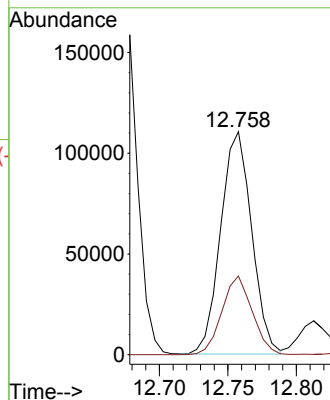
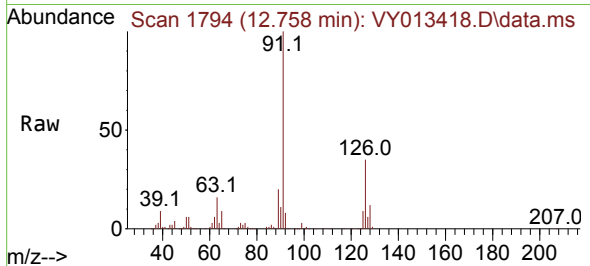




#79  
2-Chlorotoluene  
Concen: 19.076 ug/l  
RT: 12.758 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

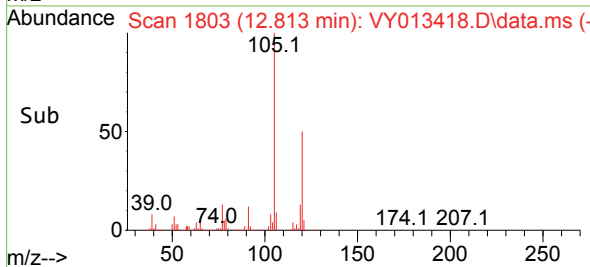
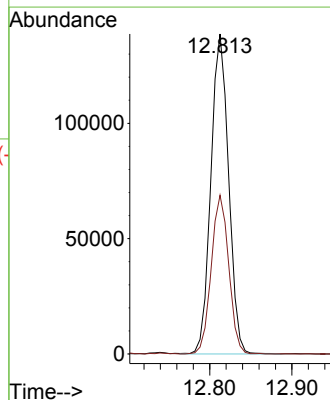
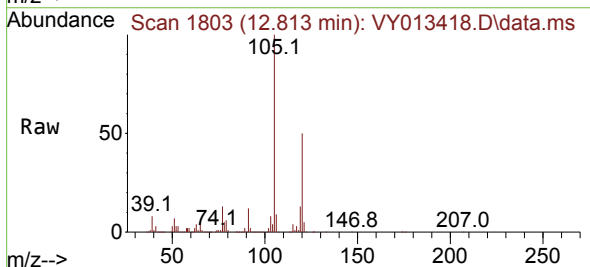
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

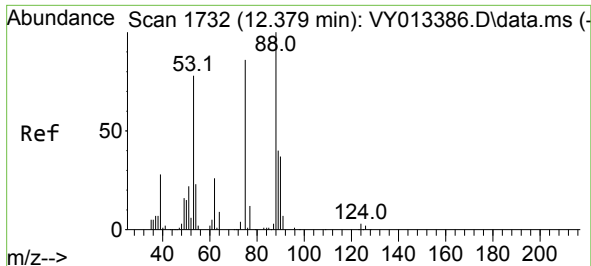
Tgt Ion: 91 Resp: 174174  
Ion Ratio Lower Upper  
91 100  
126 34.5 17.8 53.4



#80  
1,3,5-Trimethylbenzene  
Concen: 19.155 ug/l  
RT: 12.813 min Scan# 1803  
Delta R.T. 0.001 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 105 Resp: 207542  
Ion Ratio Lower Upper  
105 100  
120 49.0 24.7 74.1

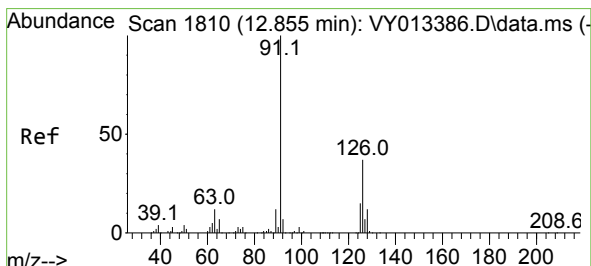
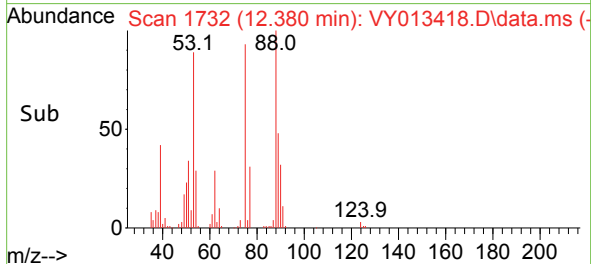
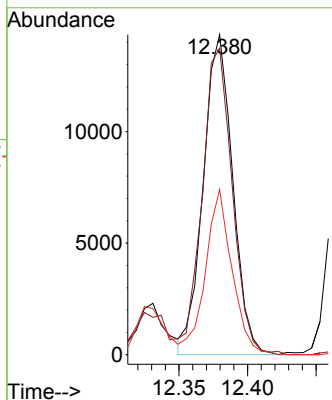
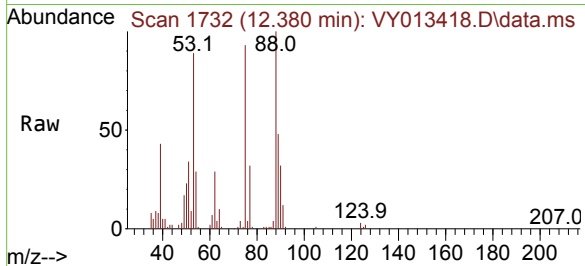




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.491 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. 0.001 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

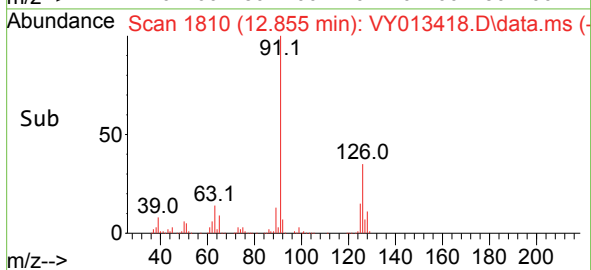
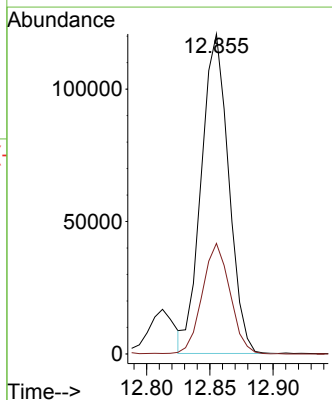
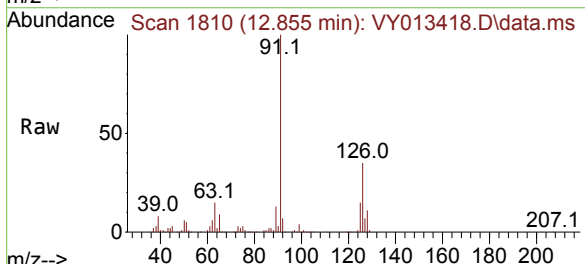
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

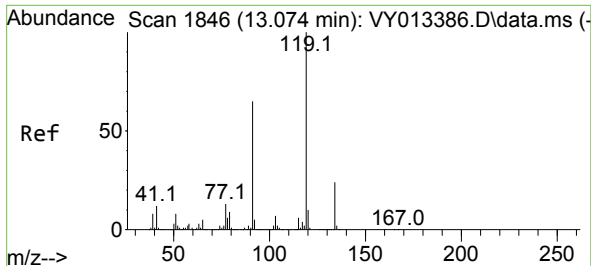
Tgt Ion: 75 Resp: 21396  
Ion Ratio Lower Upper  
75 100  
53 98.7 73.2 109.8  
89 46.8 38.0 57.0



#82  
4-Chlorotoluene  
Concen: 19.101 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 91 Resp: 181780  
Ion Ratio Lower Upper  
91 100  
126 35.1 17.9 53.8

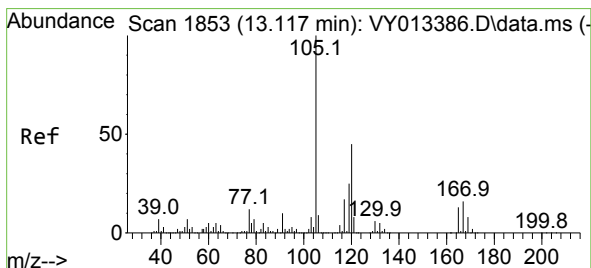
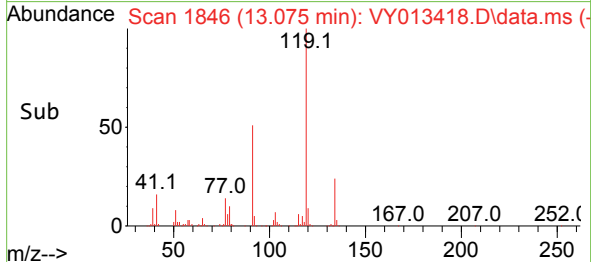
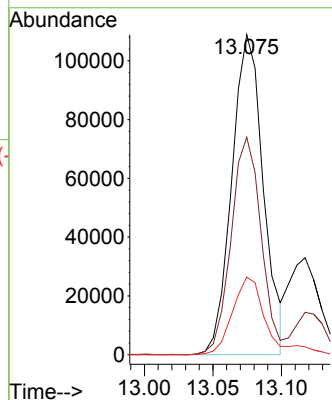
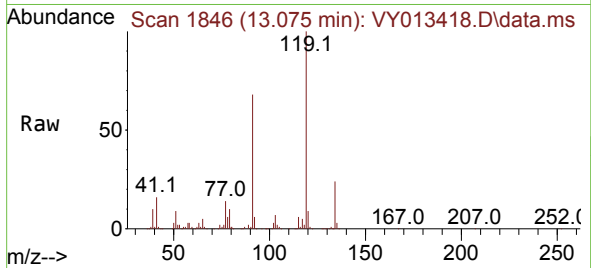




#83  
tert-Butylbenzene  
Concen: 18.601 ug/l  
RT: 13.075 min Scan# 1846  
Delta R.T. 0.001 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

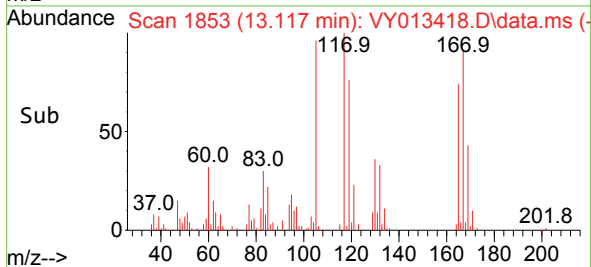
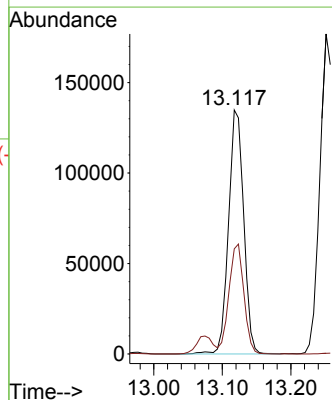
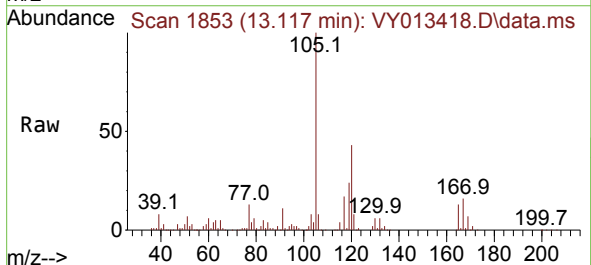
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

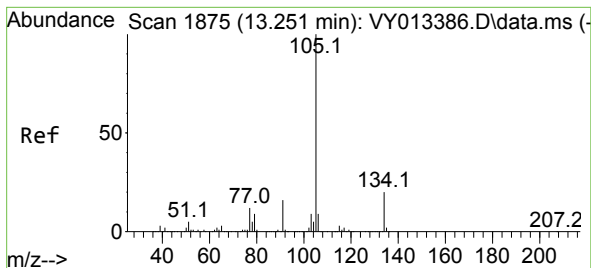
Tgt Ion:119 Resp: 174608  
Ion Ratio Lower Upper  
119 100  
91 64.7 32.2 96.6  
134 25.8 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 19.603 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion:105 Resp: 206496  
Ion Ratio Lower Upper  
105 100  
120 44.4 22.3 66.9





#85

sec-Butylbenzene

Concen: 18.574 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

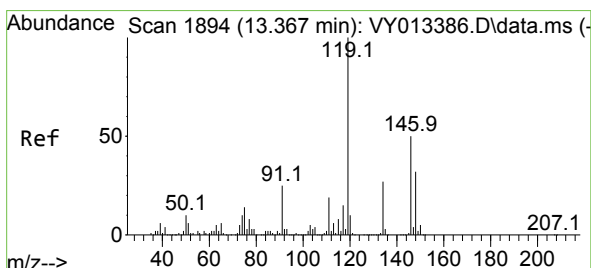
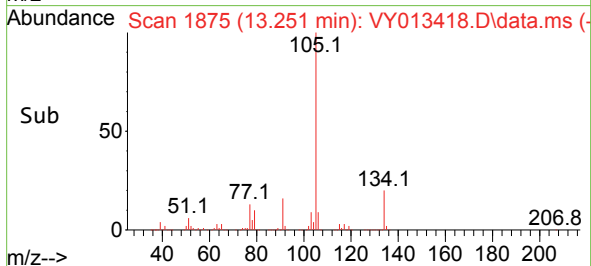
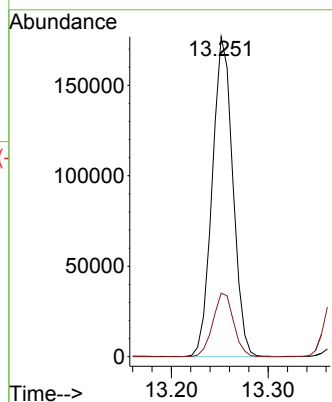
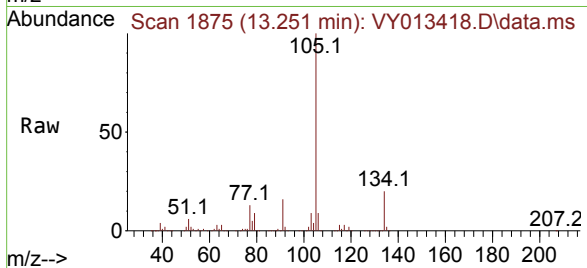
VY0424SBS02

Tgt Ion:105 Resp: 261670

Ion Ratio Lower Upper

105 100

134 20.0 10.3 30.9



#86

p-Isopropyltoluene

Concen: 19.231 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

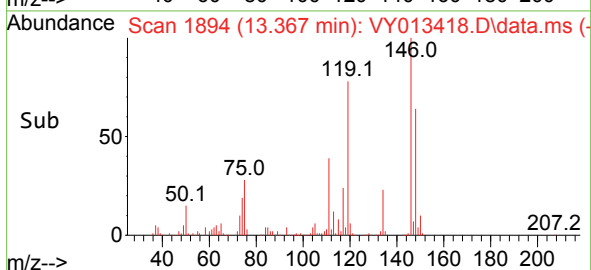
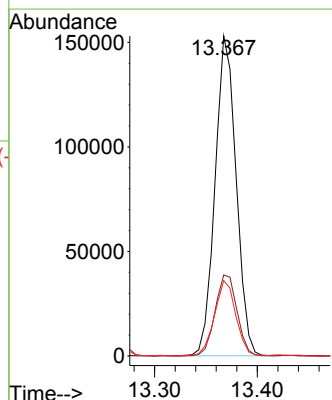
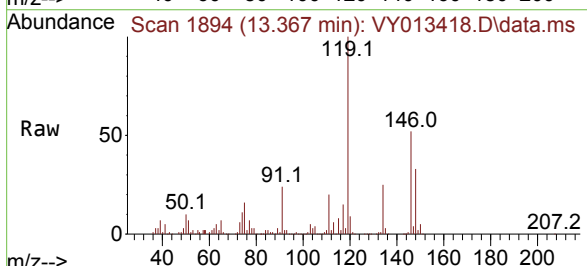
Tgt Ion:119 Resp: 217874

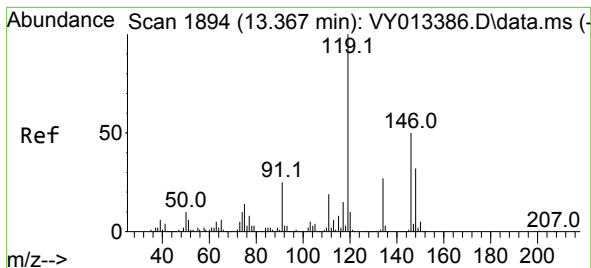
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 23.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.787 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

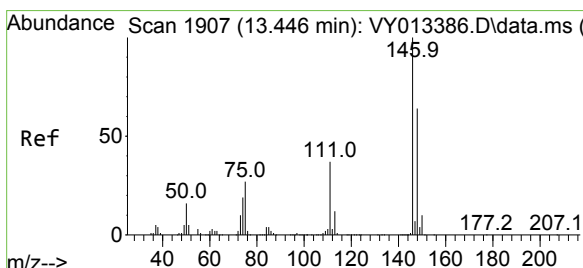
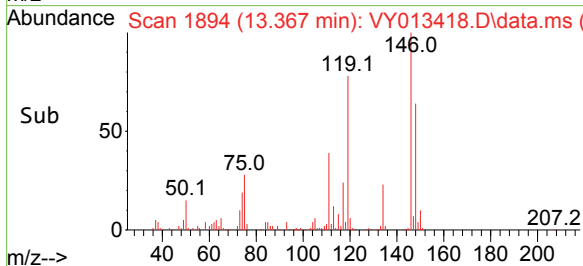
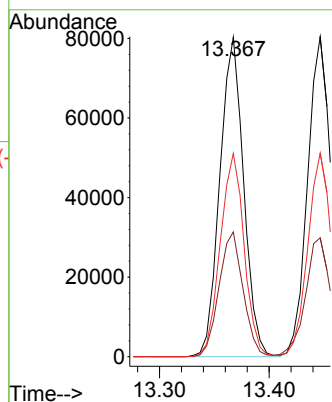
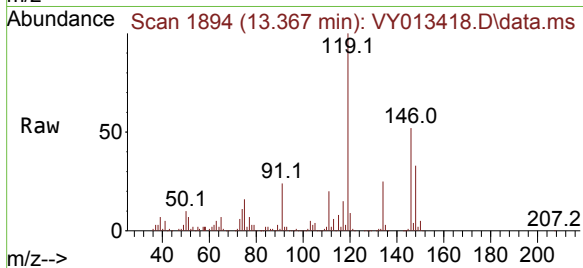
Tgt Ion:146 Resp: 121253

Ion Ratio Lower Upper

146 100

111 39.5 19.3 57.9

148 63.7 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 19.491 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.001 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

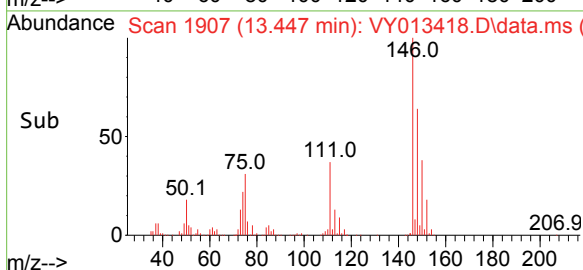
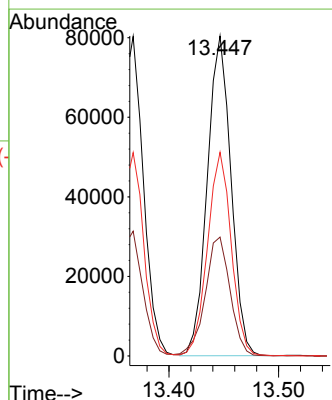
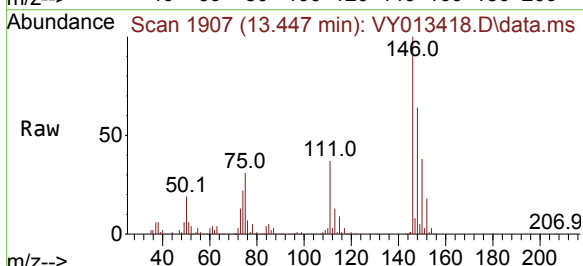
Tgt Ion:146 Resp: 120652

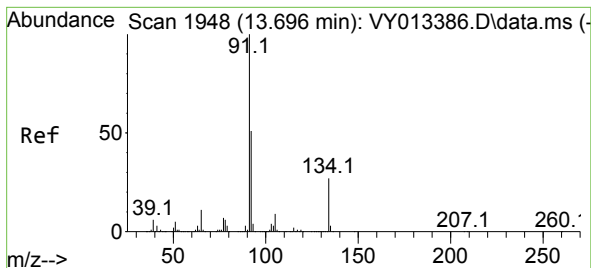
Ion Ratio Lower Upper

146 100

111 39.3 18.9 56.5

148 63.7 31.9 95.5





#89

n-Butylbenzene

Concen: 17.897 ug/l

RT: 13.697 min Scan# 1948

Delta R.T. 0.001 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

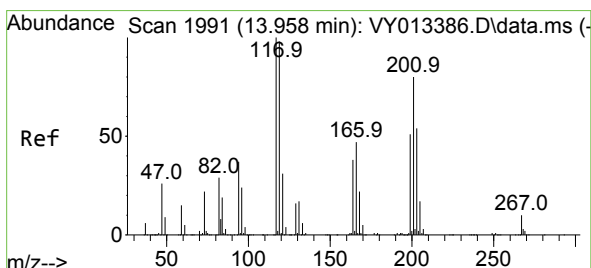
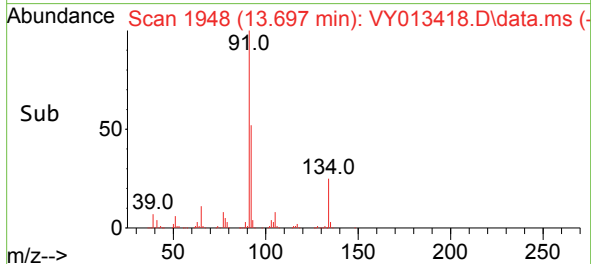
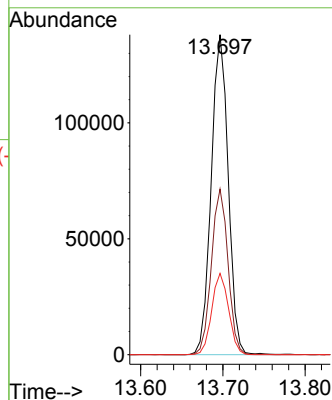
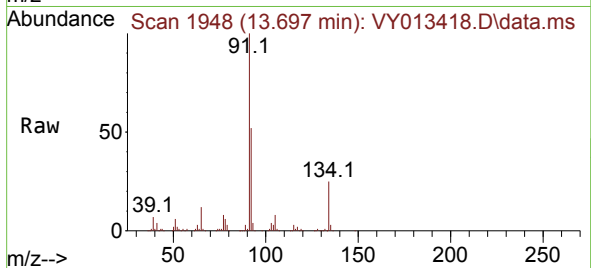
Tgt Ion: 91 Resp: 197889

Ion Ratio Lower Upper

91 100

92 50.8 25.8 77.3

134 25.2 13.5 40.4



#90

Hexachloroethane

Concen: 19.153 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. 0.001 min

Lab File: VY013418.D

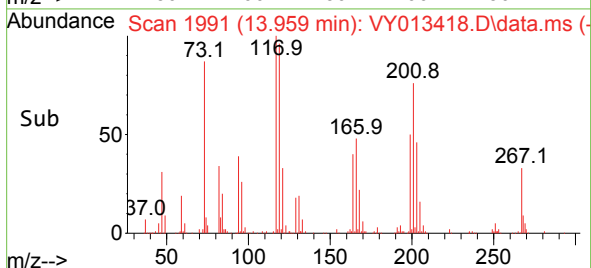
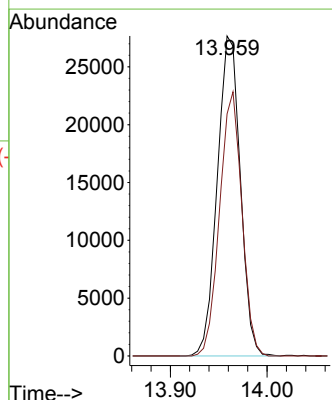
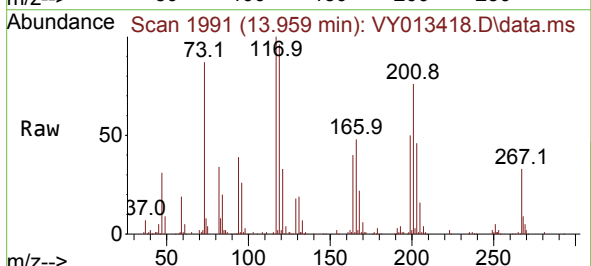
Acq: 25 Apr 2023 00:44

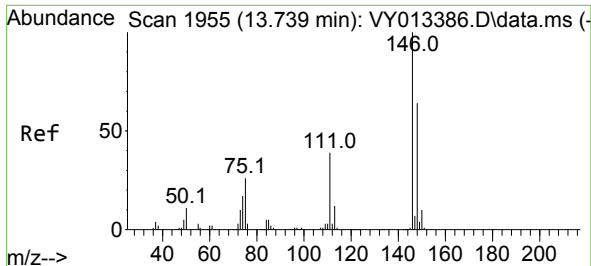
Tgt Ion: 117 Resp: 45667

Ion Ratio Lower Upper

117 100

201 79.7 41.6 124.8

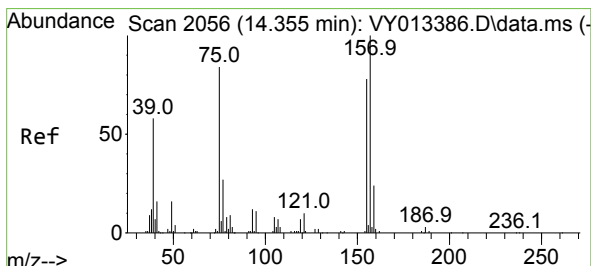
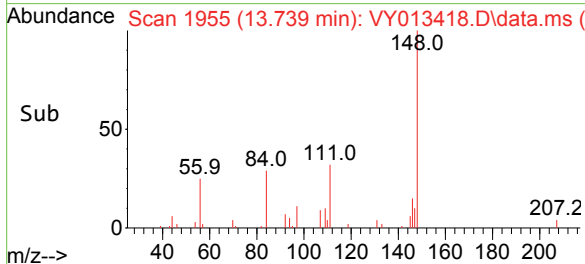
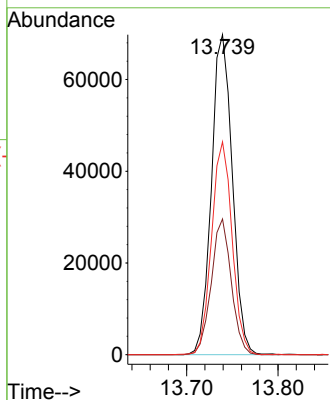
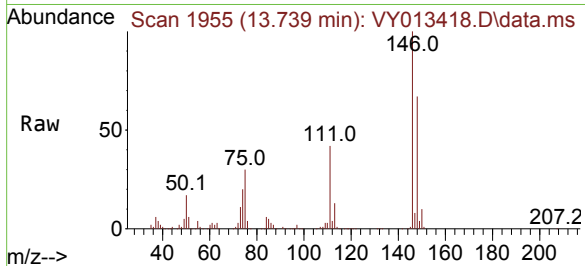




#91  
1,2-Dichlorobenzene  
Concen: 20.015 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

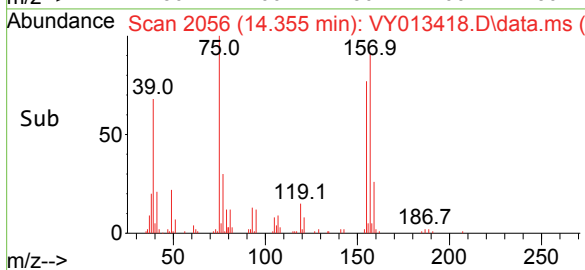
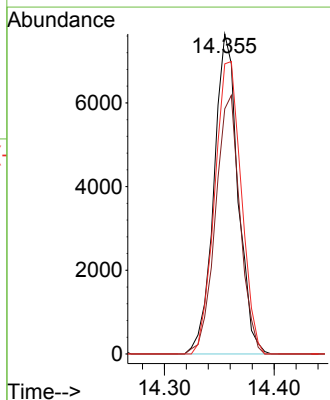
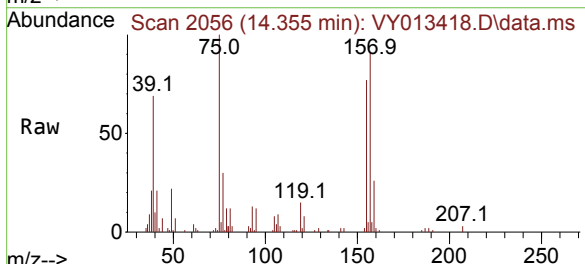
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBS02

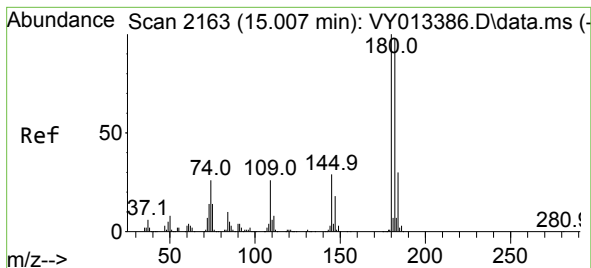
Tgt Ion:146 Resp: 110757  
Ion Ratio Lower Upper  
146 100  
111 40.6 19.8 59.4  
148 65.4 31.8 95.4



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 20.384 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: VY013418.D  
Acq: 25 Apr 2023 00:44

Tgt Ion: 75 Resp: 11681  
Ion Ratio Lower Upper  
75 100  
155 82.4 44.6 134.0  
157 100.9 57.6 172.7





#93

1,2,4-Trichlorobenzene

Concen: 19.303 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

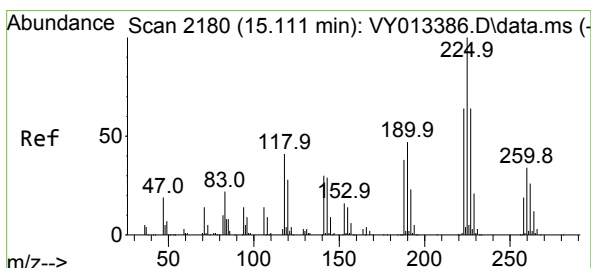
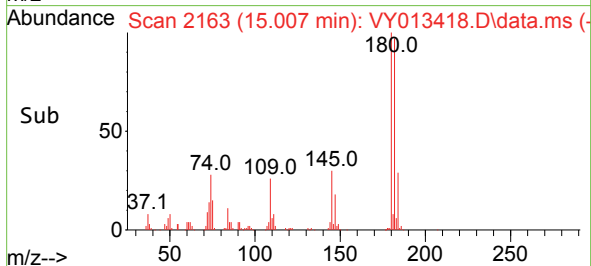
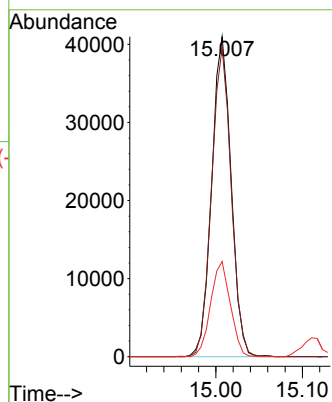
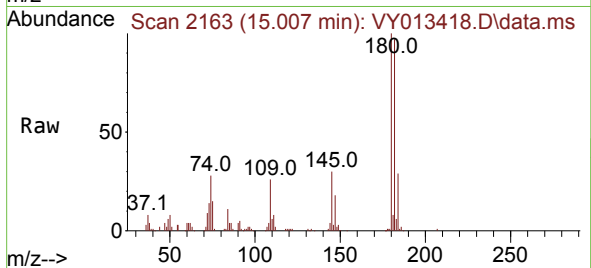
Tgt Ion:180 Resp: 63685

Ion Ratio Lower Upper

180 100

182 97.5 48.5 145.5

145 30.3 15.0 45.0



#94

Hexachlorobutadiene

Concen: 19.492 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

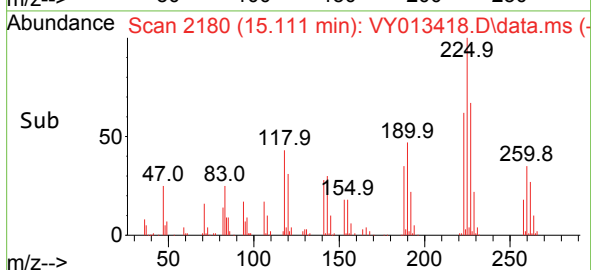
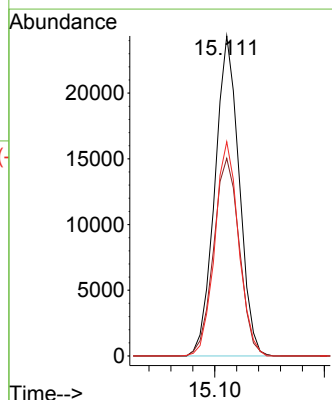
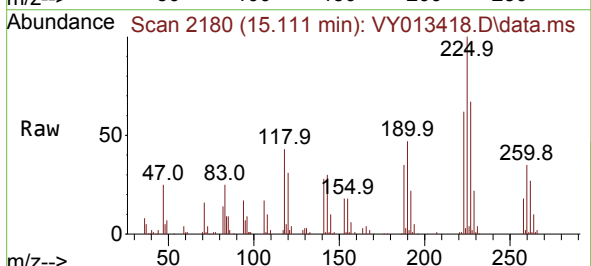
Tgt Ion:225 Resp: 37427

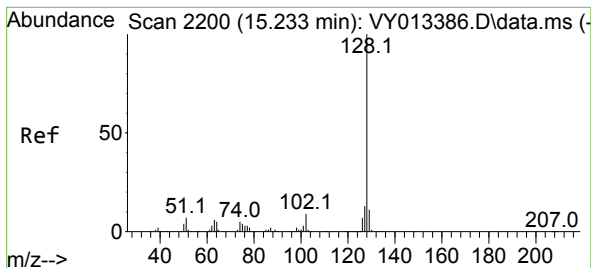
Ion Ratio Lower Upper

225 100

223 65.4 31.4 94.2

227 65.8 32.0 96.0





#95

Naphthalene

Concen: 19.726 ug/l

RT: 15.239 min Scan# 2200

Delta R.T. 0.006 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBS02

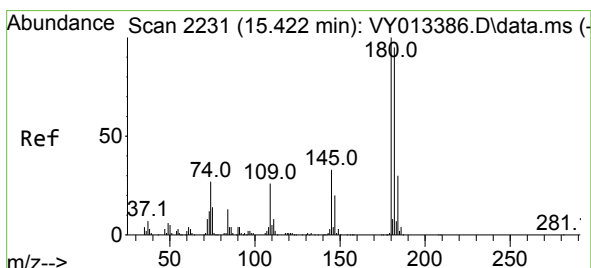
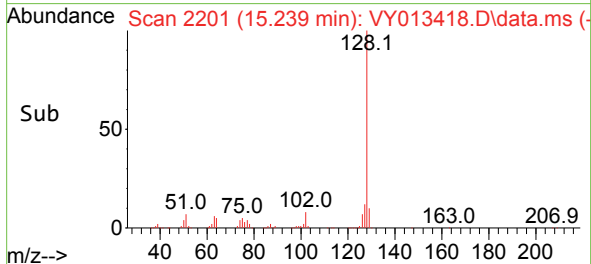
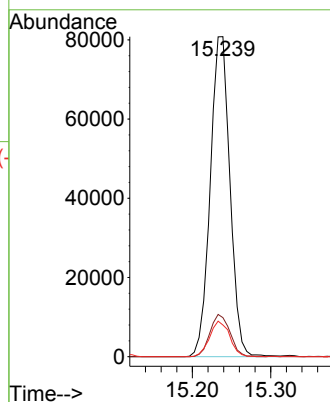
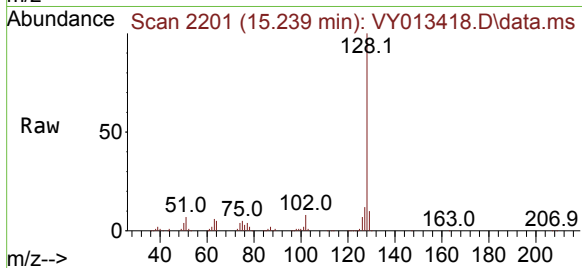
Tgt Ion:128 Resp: 141204

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 11.4 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 20.939 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY013418.D

Acq: 25 Apr 2023 00:44

Tgt Ion:180 Resp: 61574

Ion Ratio Lower Upper

180 100

182 93.4 47.1 141.3

145 31.4 15.9 47.7

