

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103123\  
 Data File : VY016147.D  
 Acq On : 31 Oct 2023 14:40  
 Operator : SY/MD  
 Sample : VSTDIC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 01 03:18:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:01:33 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 188618   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 297337   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 256642   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 119898   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 263503   | 149.297  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 298.600%# |      |
| 35) Dibromofluoromethane    | 7.728  | 113   | 267682   | 151.008  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 302.020%# |      |
| 50) Toluene-d8              | 10.191 | 98    | 1074601  | 152.899  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 305.800%# |      |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 357661   | 148.824  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 297.640%# |      |

|                              |       |     |         |         |        |    |
|------------------------------|-------|-----|---------|---------|--------|----|
| Target Compounds             |       |     |         |         | Qvalue |    |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 182384  | 151.585 | ug/l   | 97 |
| 3) Chloromethane             | 2.119 | 50  | 240613  | 144.439 | ug/l   | 99 |
| 4) Vinyl Chloride            | 2.260 | 62  | 262561  | 152.711 | ug/l   | 97 |
| 5) Bromomethane              | 2.650 | 94  | 182856  | 157.590 | ug/l   | 99 |
| 6) Chloroethane              | 2.796 | 64  | 185702  | 153.416 | ug/l   | 98 |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 394333  | 151.920 | ug/l   | 99 |
| 8) Diethyl Ether             | 3.540 | 74  | 131167  | 152.468 | ug/l   | 85 |
| 9) 1,1,2-Trichlorotrifluo... | 3.906 | 101 | 243716  | 149.042 | ug/l   | 96 |
| 10) Methyl Iodide            | 4.101 | 142 | 286263  | 157.432 | ug/l   | 97 |
| 11) Tert butyl alcohol       | 4.972 | 59  | 88457   | 670.795 | ug/l # | 81 |
| 12) 1,1-Dichloroethene       | 3.881 | 96  | 222674  | 149.196 | ug/l   | 91 |
| 13) Acrolein                 | 3.735 | 56  | 87654   | 739.850 | ug/l   | 98 |
| 14) Allyl chloride           | 4.491 | 41  | 323352  | 151.466 | ug/l # | 96 |
| 15) Acrylonitrile            | 5.174 | 53  | 276999  | 753.505 | ug/l   | 99 |
| 16) Acetone                  | 3.960 | 43  | 195372  | 730.086 | ug/l   | 94 |
| 17) Carbon Disulfide         | 4.204 | 76  | 580351  | 155.750 | ug/l   | 99 |
| 18) Methyl Acetate           | 4.491 | 43  | 214890  | 151.397 | ug/l # | 90 |
| 19) Methyl tert-butyl Ether  | 5.235 | 73  | 657441  | 154.861 | ug/l   | 99 |
| 20) Methylene Chloride       | 4.729 | 84  | 253575  | 147.175 | ug/l   | 90 |
| 21) trans-1,2-Dichloroethene | 5.235 | 96  | 265355  | 152.635 | ug/l   | 96 |
| 22) Diisopropyl ether        | 6.131 | 45  | 800495  | 155.028 | ug/l   | 89 |
| 23) Vinyl Acetate            | 6.070 | 43  | 1973801 | 778.558 | ug/l # | 93 |
| 24) 1,1-Dichloroethane       | 6.033 | 63  | 471931  | 152.713 | ug/l   | 96 |
| 25) 2-Butanone               | 6.996 | 43  | 344933  | 708.376 | ug/l # | 89 |
| 26) 2,2-Dichloropropane      | 6.996 | 77  | 451624  | 154.596 | ug/l   | 97 |
| 27) cis-1,2-Dichloroethene   | 6.996 | 96  | 314227  | 153.587 | ug/l   | 93 |
| 28) Bromochloromethane       | 7.344 | 49  | 168919  | 146.071 | ug/l   | 86 |
| 29) Tetrahydrofuran          | 7.362 | 42  | 233647  | 765.455 | ug/l   | 89 |
| 30) Chloroform               | 7.521 | 83  | 507084  | 150.717 | ug/l   | 96 |
| 31) Cyclohexane              | 7.795 | 56  | 385935  | 142.246 | ug/l   | 90 |
| 32) 1,1,1-Trichloroethane    | 7.716 | 97  | 466339  | 151.137 | ug/l   | 97 |
| 36) 1,1-Dichloropropene      | 7.929 | 75  | 380347  | 148.592 | ug/l   | 99 |
| 37) Ethyl Acetate            | 7.088 | 43  | 172620  | 151.411 | ug/l # | 96 |
| 38) Carbon Tetrachloride     | 7.911 | 117 | 408139  | 160.943 | ug/l   | 99 |
| 39) Methylcyclohexane        | 9.197 | 83  | 463180  | 151.594 | ug/l   | 91 |
| 40) Benzene                  | 8.173 | 78  | 1088830 | 148.169 | ug/l   | 99 |

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 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 01 03:18:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:01:33 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.320  | 41   | 103447   | 156.321  | ug/l # | 87       |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 305279   | 148.864  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.283  | 43   | 342084   | 151.692  | ug/l # | 92       |
| 44) Trichloroethene           | 8.947  | 130  | 317407   | 147.598  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.228  | 63   | 268620   | 151.953  | ug/l   | 98       |
| 46) Dibromomethane            | 9.313  | 93   | 150457   | 150.035  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.508  | 83   | 388839   | 152.610  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.301  | 41   | 157471   | 153.561  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 31772    | 2814.248 | ug/l # | 47       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 848356   | 753.938  | ug/l   | 91       |
| 52) Toluene                   | 10.252 | 92   | 715338   | 150.223  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 398940   | 156.846  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 458417   | 153.595  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 210689   | 149.360  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 288678   | 157.580  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 10.801 | 76   | 357048   | 148.683  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 672850   | 757.437  | ug/l   | 93       |
| 59) 2-Hexanone                | 10.837 | 43   | 574118   | 744.564  | ug/l   | 89       |
| 60) Dibromochloromethane      | 10.996 | 129  | 270396   | 152.793  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.099 | 107  | 202077   | 150.609  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.727 | 164  | 319944   | 140.154  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.526 | 112  | 767178   | 150.460  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 293813   | 155.574  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.599 | 91   | 1395957  | 153.067  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.709 | 106  | 1077705  | 305.811  | ug/l   | 95       |
| 69) o-Xylene                  | 12.038 | 106  | 520204   | 154.604  | ug/l   | 96       |
| 70) Styrene                   | 12.050 | 104  | 869218   | 155.395  | ug/l   | 96       |
| 71) Bromoform                 | 12.215 | 173  | 162138   | 154.756  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.337 | 105  | 1372338  | 152.587  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.148 | 43   | 307463   | 157.316  | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 221788   | 154.972  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 303831   | 240.138  | ug/l # | 100      |
| 77) Bromobenzene              | 12.617 | 156  | 311899   | 153.154  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.678 | 91   | 1593376  | 149.850  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 894090   | 150.760  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.819 | 105  | 1091309  | 149.771  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 82798    | 159.000  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 910958   | 149.585  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.081 | 119  | 963812   | 147.831  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.130 | 105  | 1066308  | 147.892  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.264 | 105  | 1402027  | 146.516  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 1155913  | 145.750  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 595725   | 147.909  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.453 | 146  | 578291   | 145.271  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.703 | 91   | 1032562  | 141.696  | ug/l   | 96       |
| 90) Hexachloroethane          | 13.965 | 117  | 215083   | 157.373  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 510767   | 146.775  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 36377    | 142.028  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 290169   | 135.097  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 150279   | 128.039  | ug/l   | 98       |
| 95) Naphthalene               | 15.239 | 128  | 585493   | 140.317  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 244144   | 133.064  | ug/l   | 98       |

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Sample : VSTDICC150  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Nov 01 03:18:44 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 01 03:01:33 2023  
Response via : Initial Calibration

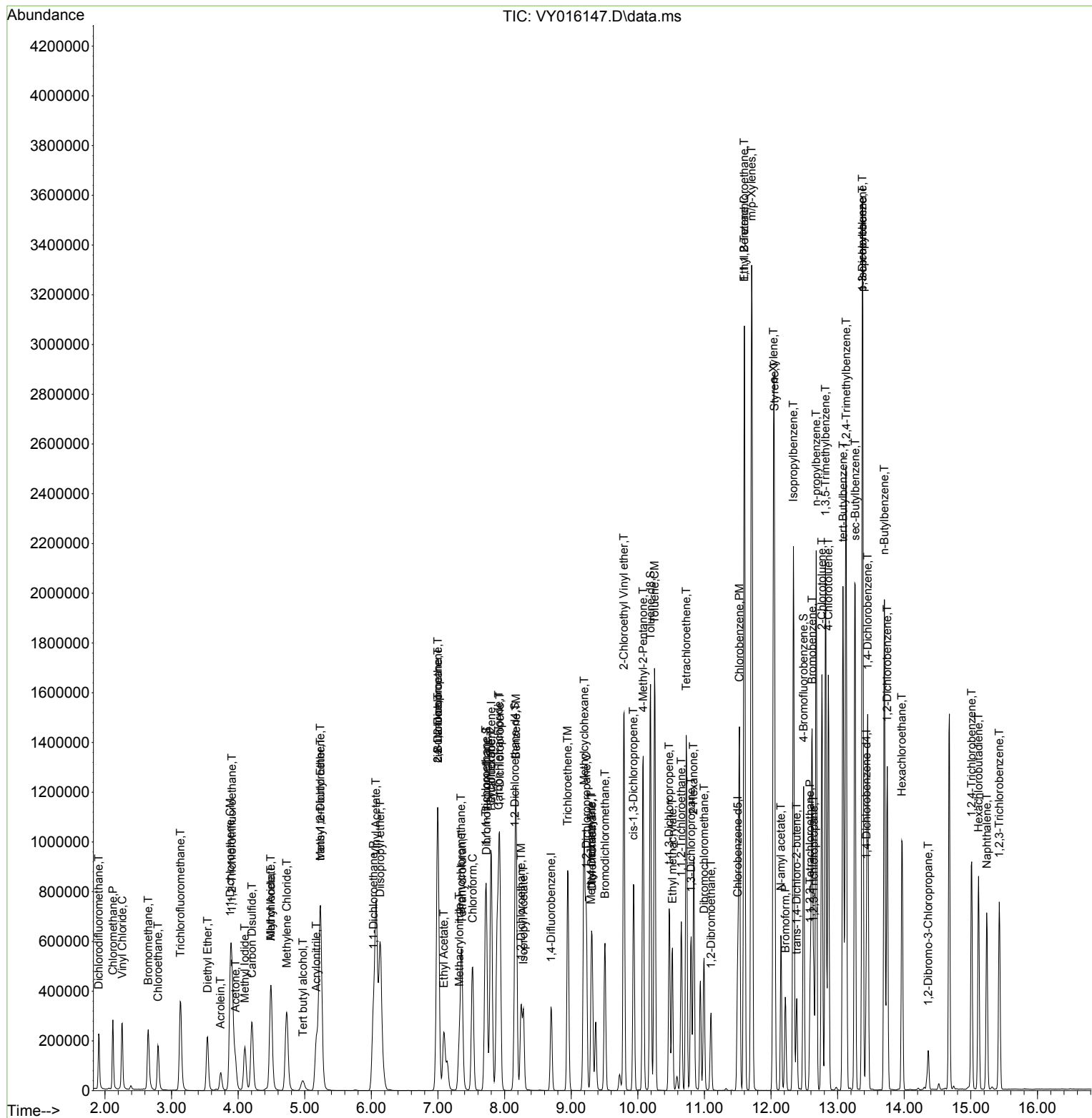
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

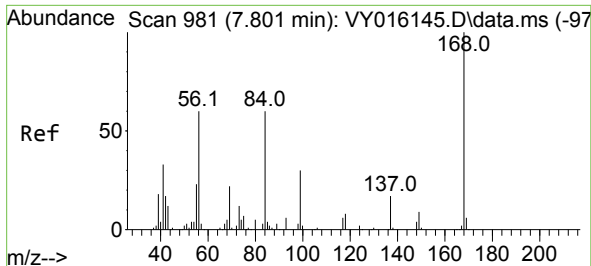
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 Sample : VSTDIC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

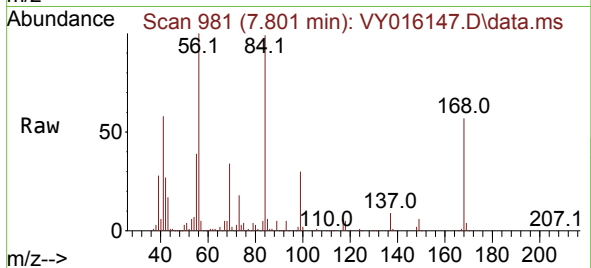
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:01:33 2023  
 Response via : Initial Calibration



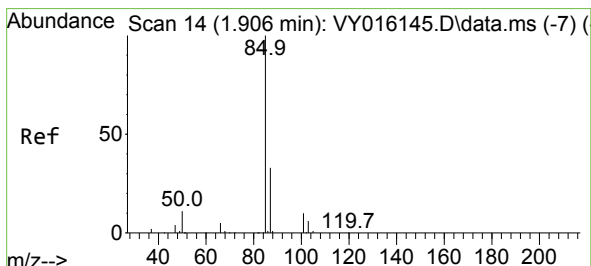
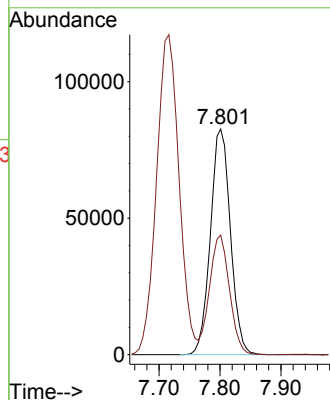
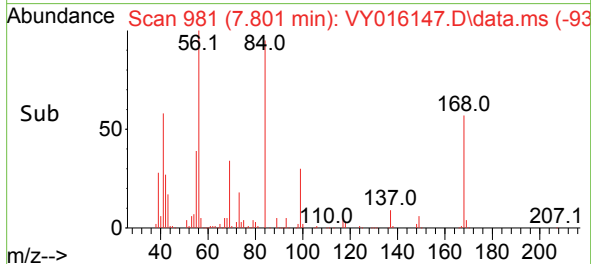


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

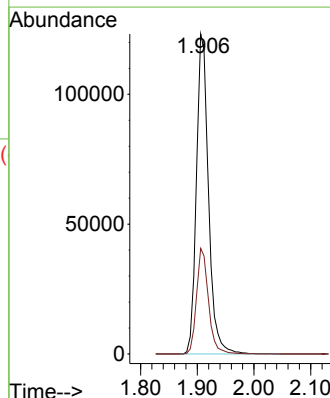
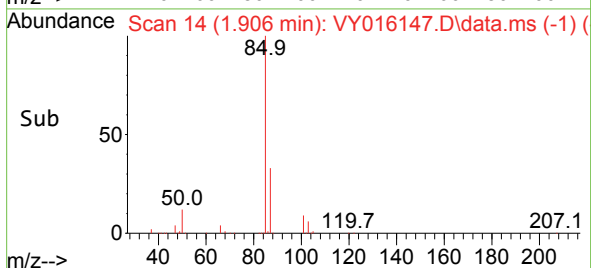
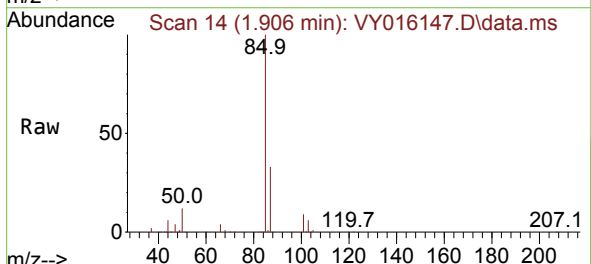


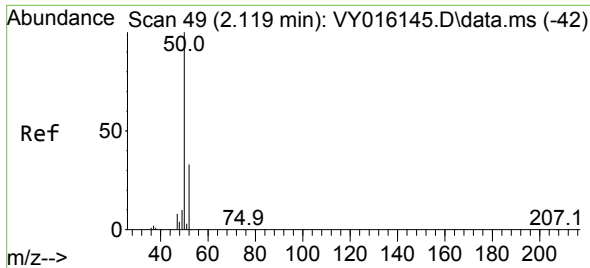
Tgt Ion:168 Resp: 188618  
Ion Ratio Lower Upper  
168 100  
99 52.9 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 151.585 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion: 85 Resp: 182384  
Ion Ratio Lower Upper  
85 100  
87 33.0 15.6 46.8

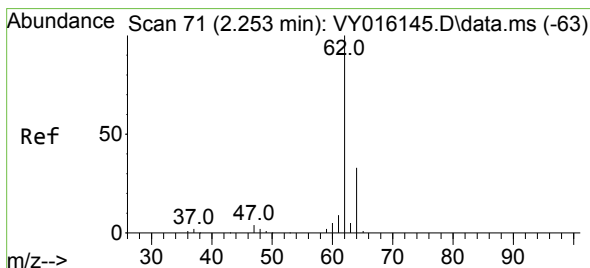
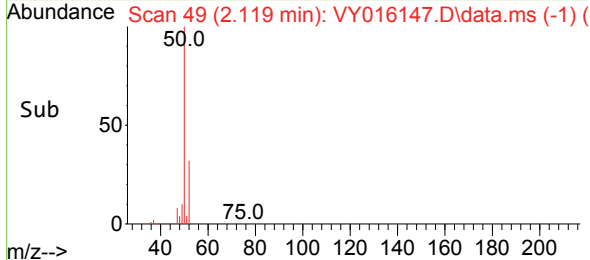
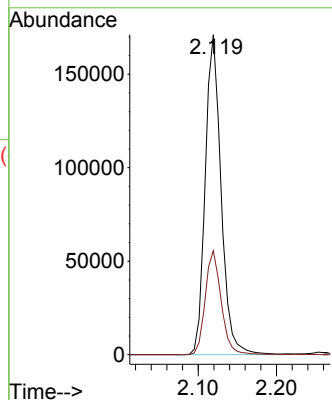
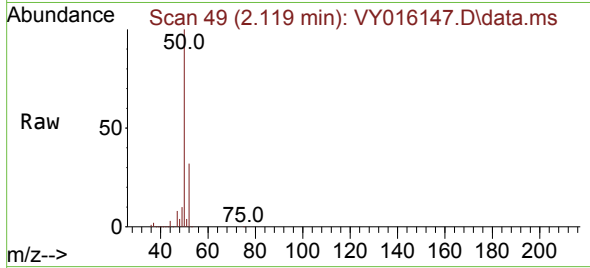




#3  
Chloromethane  
Concen: 144.439 ug/l  
RT: 2.119 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

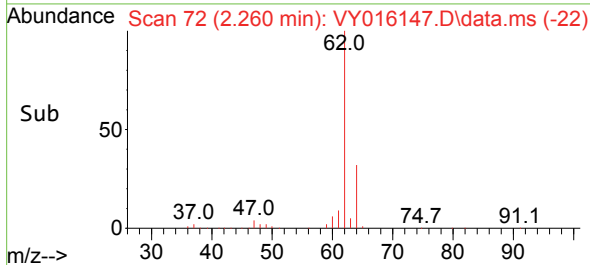
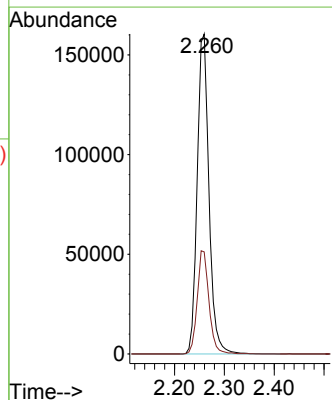
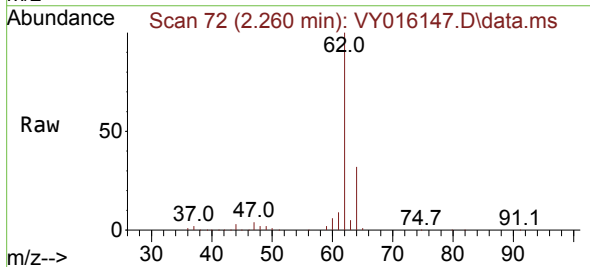
Instrument :  
MSVOA\_Y  
ClientSampleId :

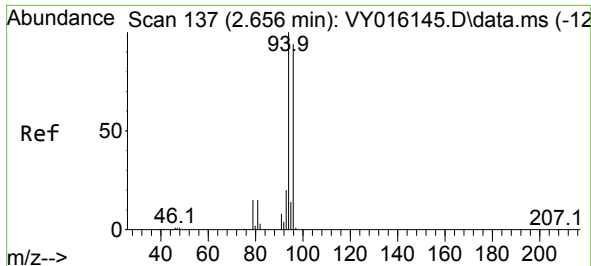
Tgt Ion: 50 Resp: 240613  
Ion Ratio Lower Upper  
50 100  
52 32.5 25.4 38.2



#4  
Vinyl Chloride  
Concen: 152.711 ug/l  
RT: 2.260 min Scan# 72  
Delta R.T. 0.006 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

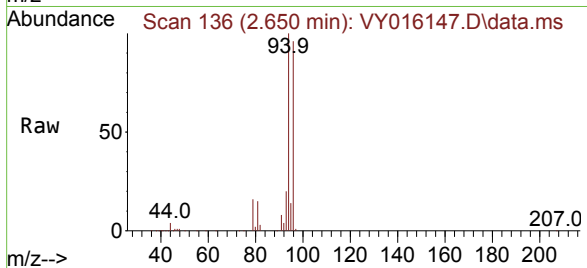
Tgt Ion: 62 Resp: 262561  
Ion Ratio Lower Upper  
62 100  
64 31.9 24.3 36.5



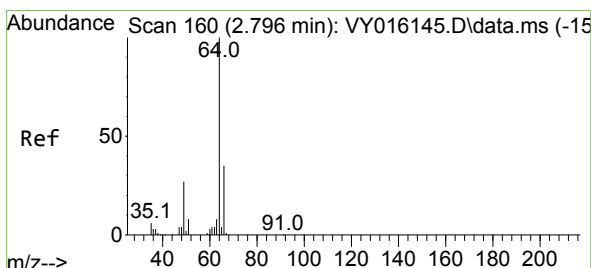
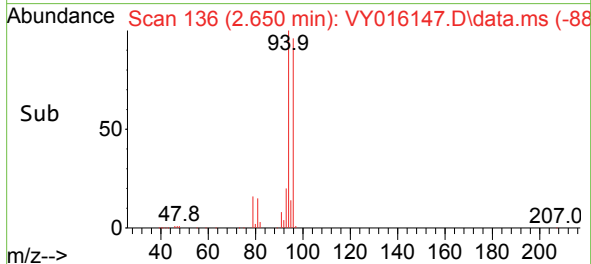
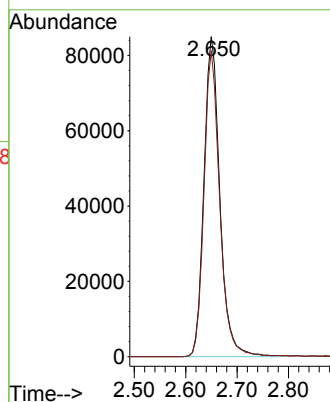


#5  
Bromomethane  
Concen: 157.590 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

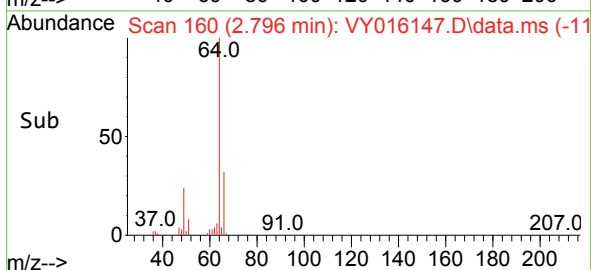
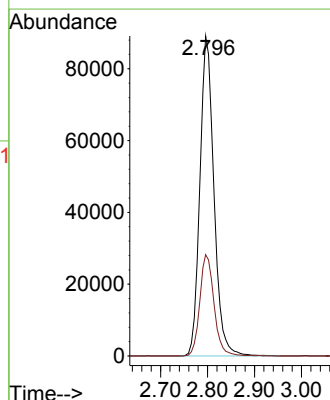
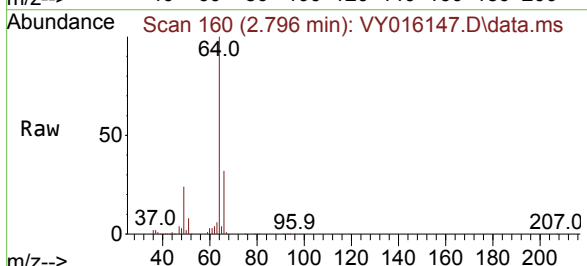


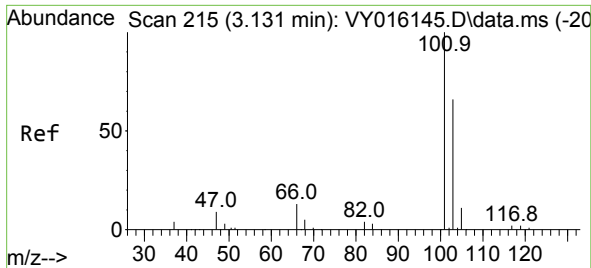
Tgt Ion: 94 Resp: 182856  
Ion Ratio Lower Upper  
94 100  
96 95.7 75.8 113.6



#6  
Chloroethane  
Concen: 153.416 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

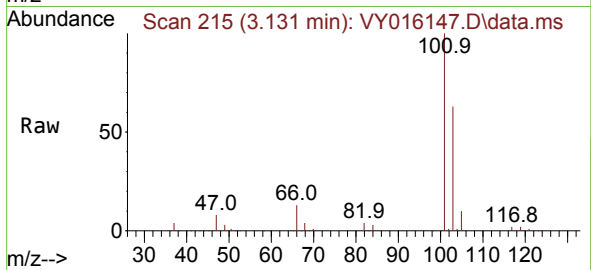
Tgt Ion: 64 Resp: 185702  
Ion Ratio Lower Upper  
64 100  
66 31.6 24.4 36.6



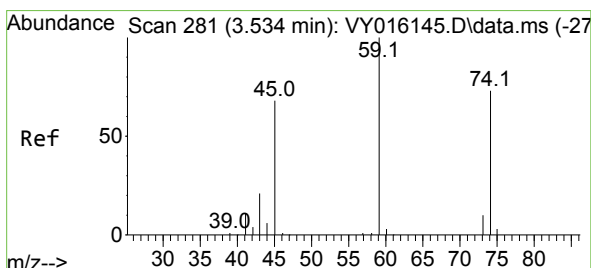
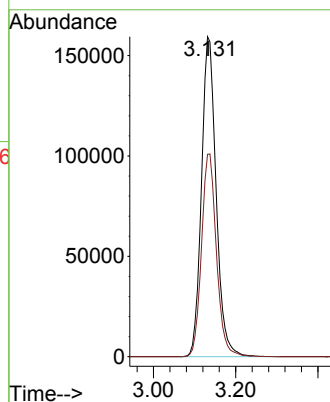
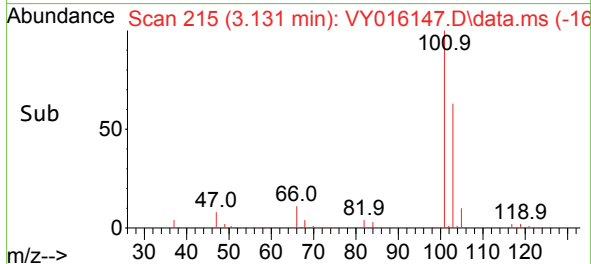


#7  
 Trichlorofluoromethane  
 Concen: 151.920 ug/l  
 RT: 3.131 min Scan# 215  
 Delta R.T. 0.000 min  
 Lab File: VY016147.D  
 Acq: 31 Oct 2023 14:40

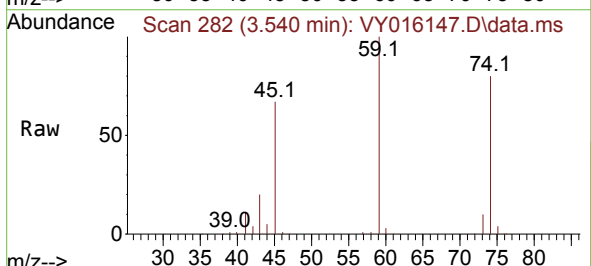
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



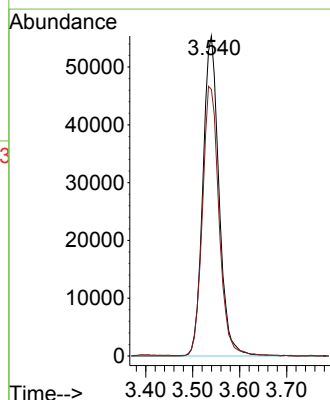
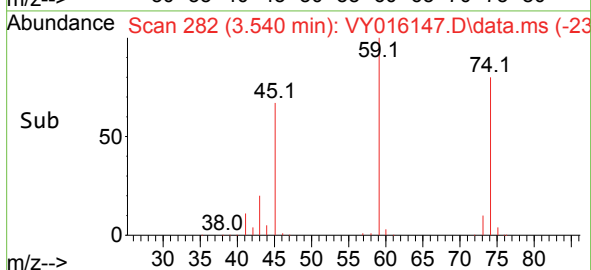
Tgt Ion:101 Resp: 394333  
 Ion Ratio Lower Upper  
 101 100  
 103 63.2 51.4 77.0

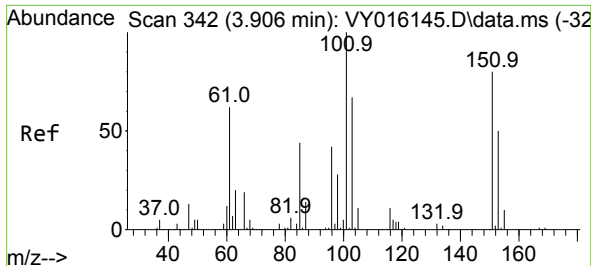


#8  
 Diethyl Ether  
 Concen: 152.468 ug/l  
 RT: 3.540 min Scan# 282  
 Delta R.T. 0.006 min  
 Lab File: VY016147.D  
 Acq: 31 Oct 2023 14:40



Tgt Ion: 74 Resp: 131167  
 Ion Ratio Lower Upper  
 74 100  
 45 87.3 51.5 154.5

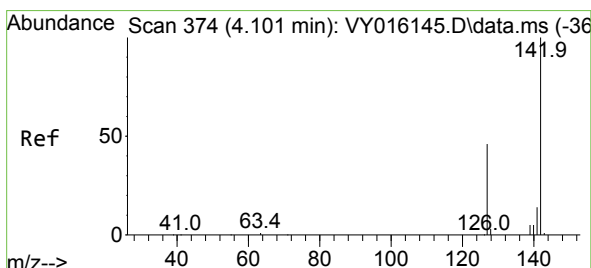
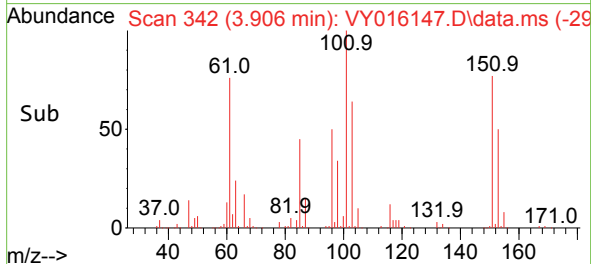
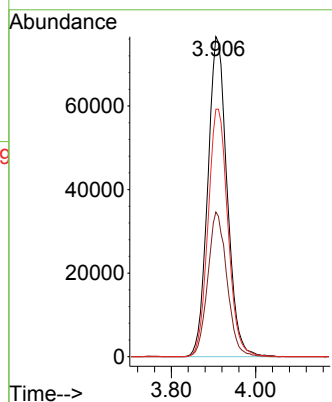
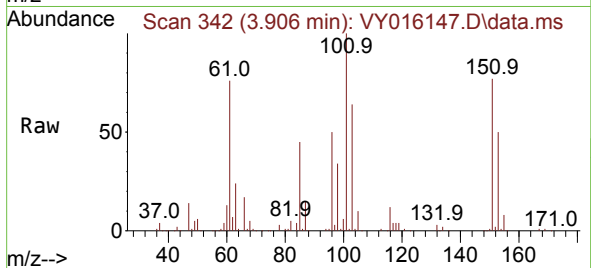




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 149.042 ug/l  
RT: 3.906 min Scan# 342  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

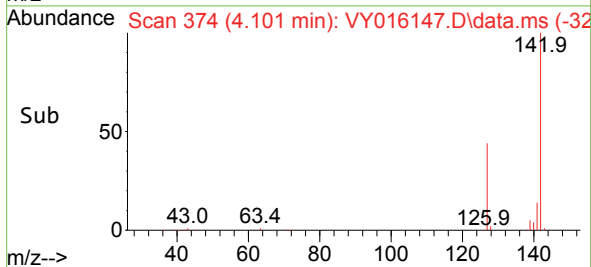
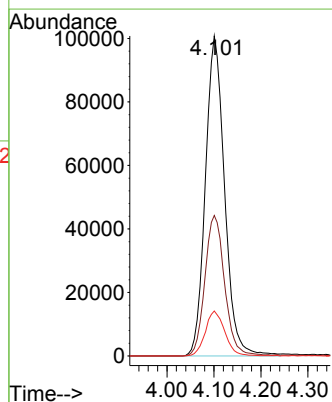
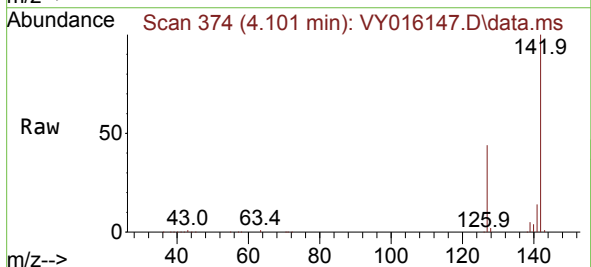
Instrument :  
MSVOA\_Y  
ClientSampleId :

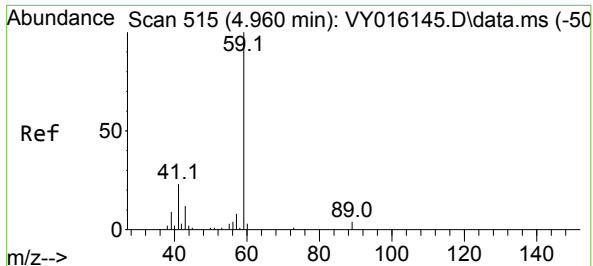
Tgt Ion:101 Resp: 243716  
Ion Ratio Lower Upper  
101 100  
85 44.9 36.6 55.0  
151 79.2 67.0 100.6



#10  
Methyl Iodide  
Concen: 157.432 ug/l  
RT: 4.101 min Scan# 374  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion:142 Resp: 286263  
Ion Ratio Lower Upper  
142 100  
127 45.0 37.6 56.4  
141 14.3 11.8 17.8





#11

Tert butyl alcohol

Concen: 670.795 ug/l

RT: 4.972 min Scan# 515

Delta R.T. 0.012 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

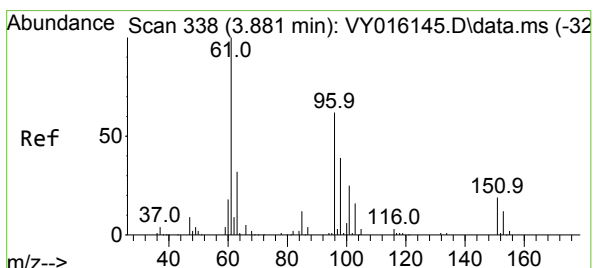
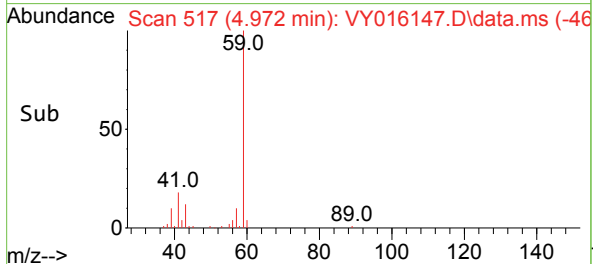
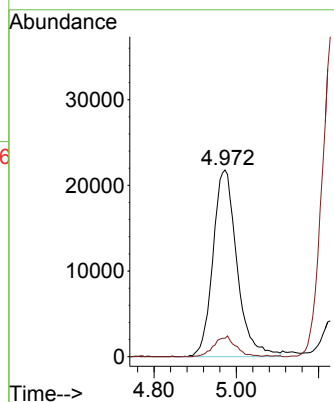
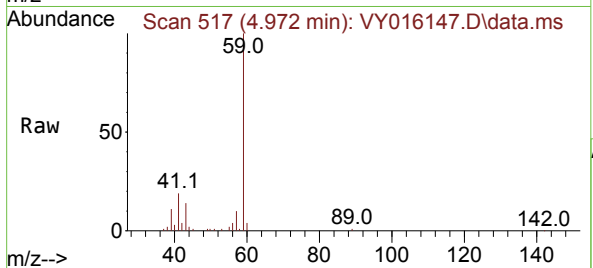
ClientSampleId :

Tgt Ion: 59 Resp: 88457

Ion Ratio Lower Upper

59 100

57 10.0 3.0 4.4#



#12

1,1-Dichloroethene

Concen: 149.196 ug/l

RT: 3.881 min Scan# 338

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

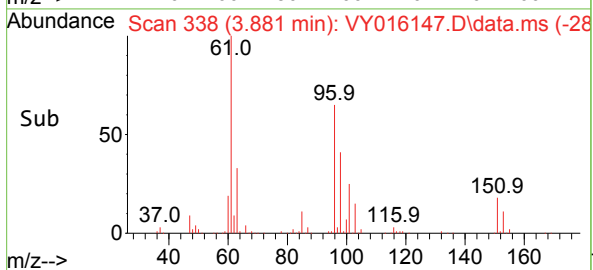
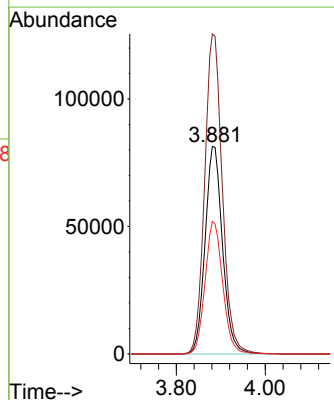
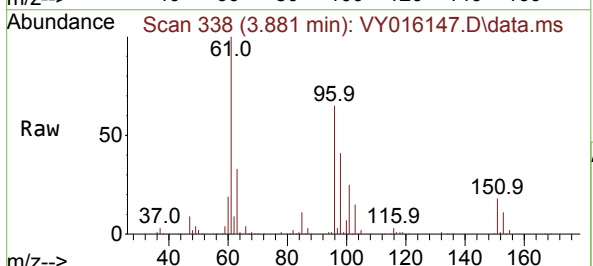
Tgt Ion: 96 Resp: 222674

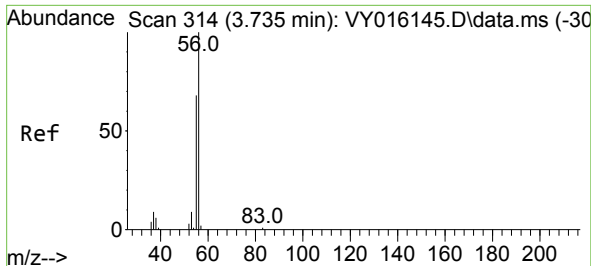
Ion Ratio Lower Upper

96 100

61 154.2 136.4 204.6

98 63.8 49.4 74.2





#13

Acrolein

Concen: 739.850 ug/l

RT: 3.735 min Scan# 314

Delta R.T. -0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

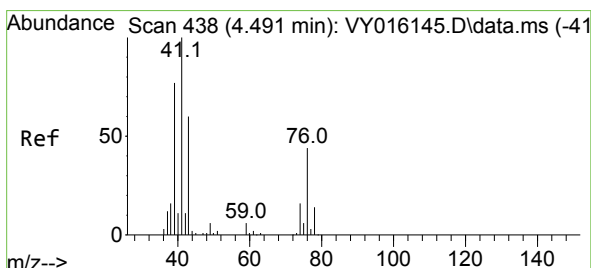
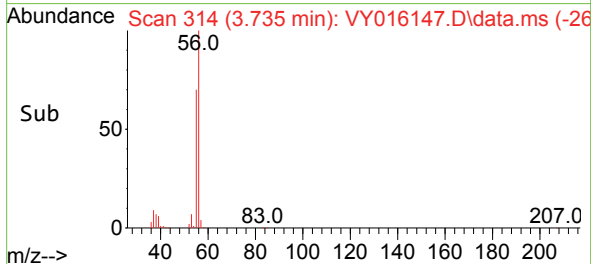
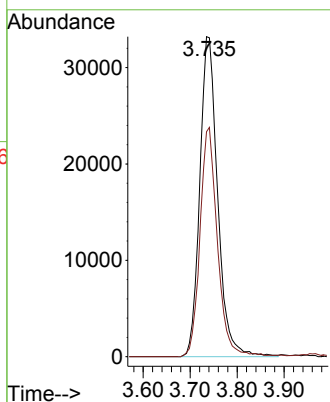
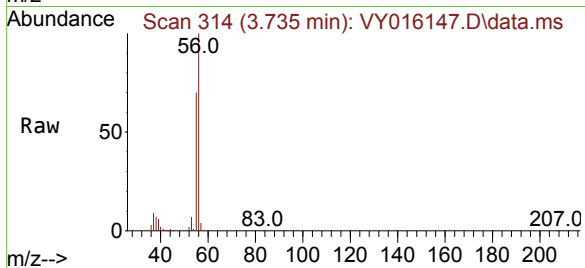
ClientSampleId :

Tgt Ion: 56 Resp: 87654

Ion Ratio Lower Upper

56 100

55 69.9 57.0 85.4



#14

Allyl chloride

Concen: 151.466 ug/l

RT: 4.491 min Scan# 438

Delta R.T. -0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

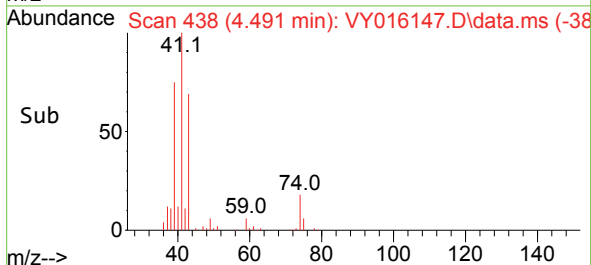
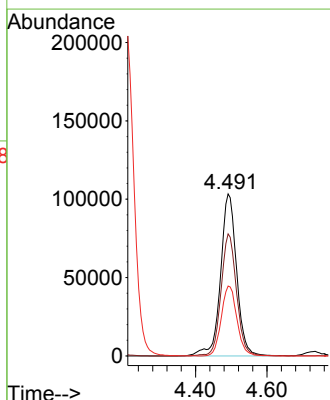
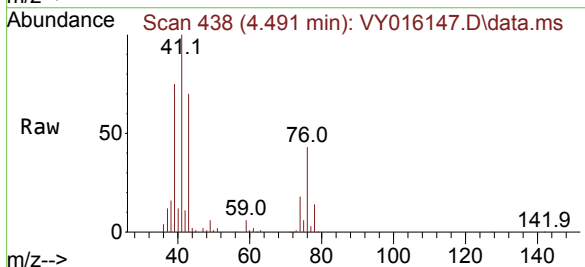
Tgt Ion: 41 Resp: 323352

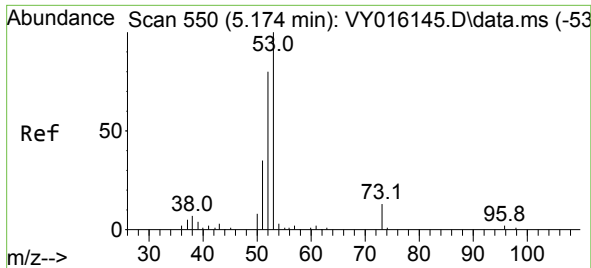
Ion Ratio Lower Upper

41 100

39 72.6 58.0 87.0

76 41.9 27.4 41.2#

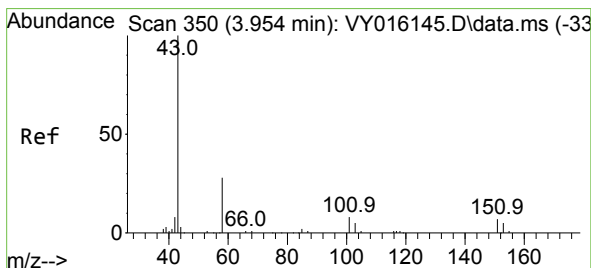
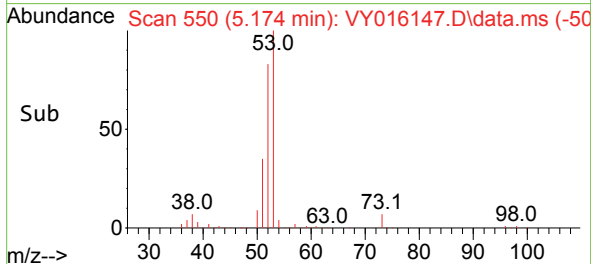
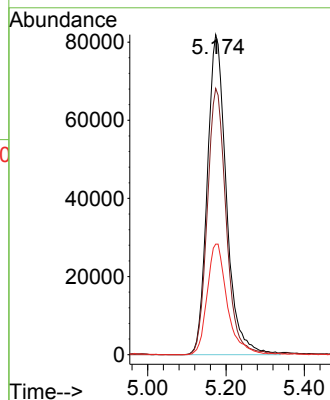
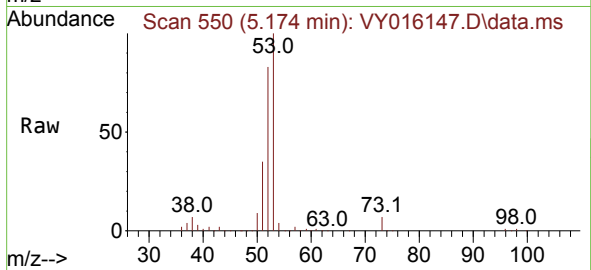




#15  
Acrylonitrile  
Concen: 753.505 ug/l  
RT: 5.174 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

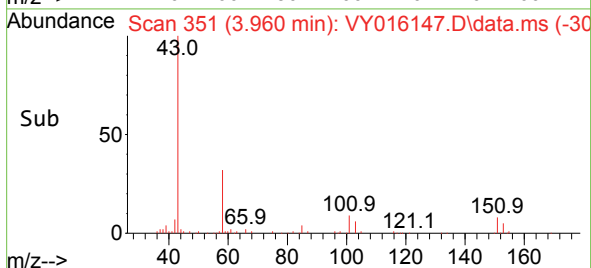
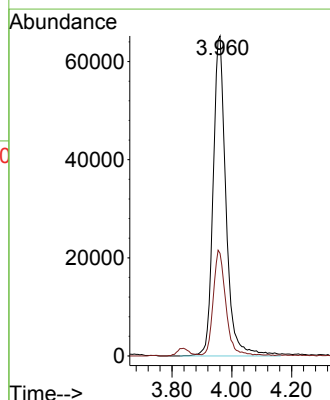
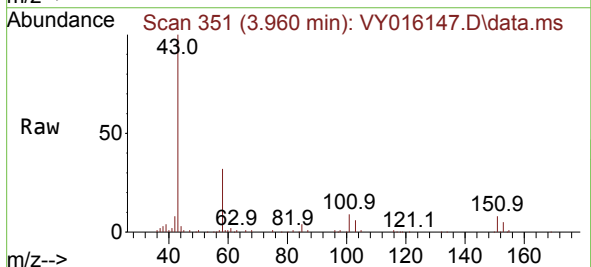
Instrument :  
MSVOA\_Y  
ClientSampleId :

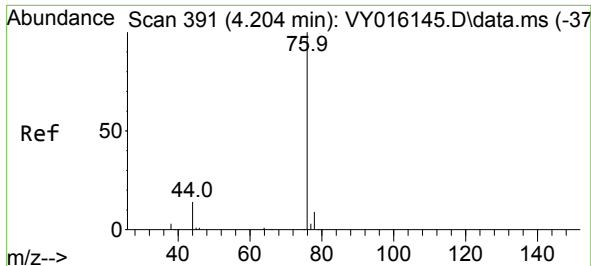
Tgt Ion: 53 Resp: 276999  
Ion Ratio Lower Upper  
53 100  
52 82.3 66.9 100.3  
51 36.7 29.8 44.6



#16  
Acetone  
Concen: 730.086 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion: 43 Resp: 195372  
Ion Ratio Lower Upper  
43 100  
58 31.7 22.7 34.1

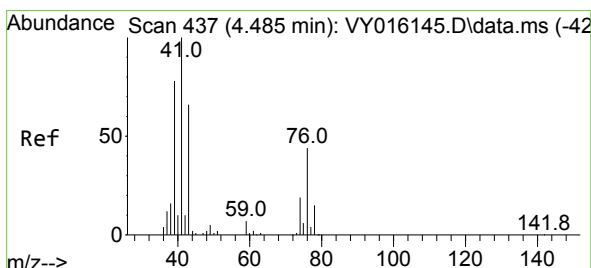
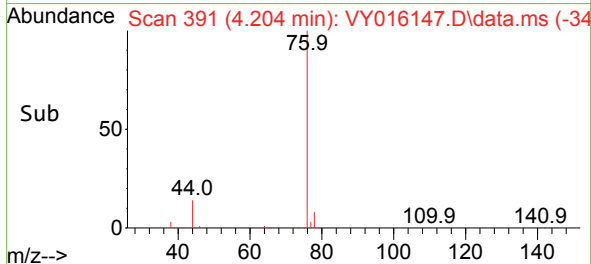
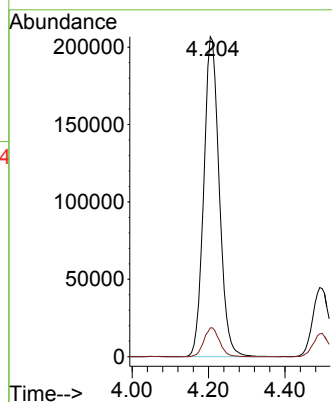
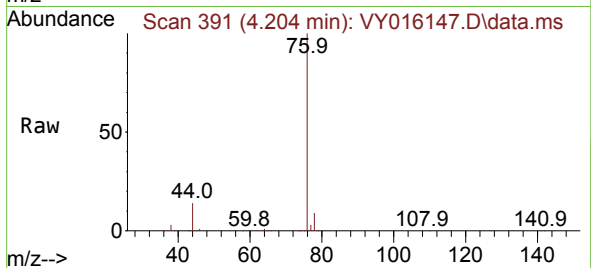




#17  
Carbon Disulfide  
Concen: 155.750 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

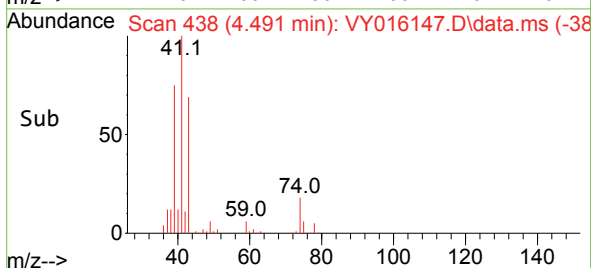
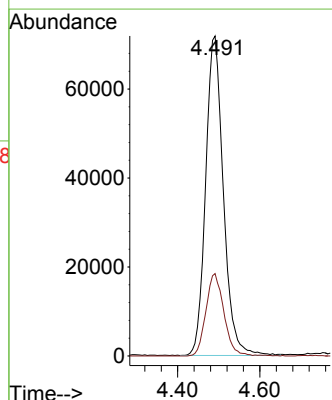
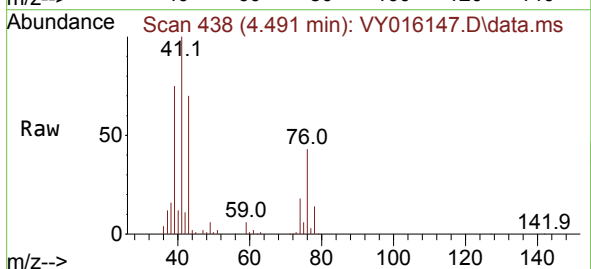
Instrument :  
MSVOA\_Y  
ClientSampleId :

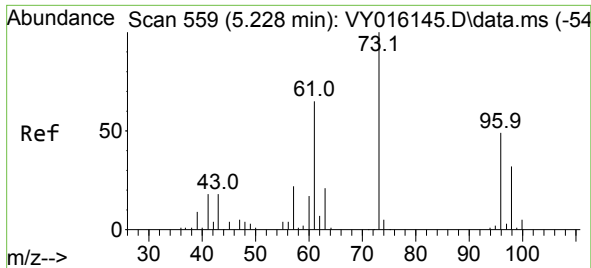
Tgt Ion: 76 Resp: 580351  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.0 10.4



#18  
Methyl Acetate  
Concen: 151.397 ug/l  
RT: 4.491 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion: 43 Resp: 214890  
Ion Ratio Lower Upper  
43 100  
74 26.3 17.4 26.0#

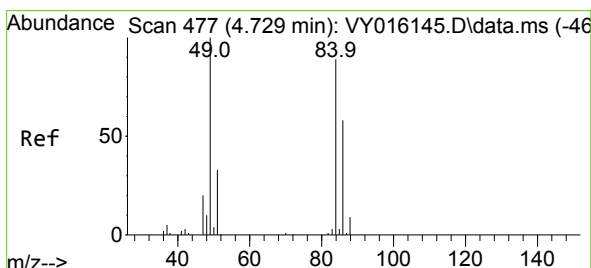
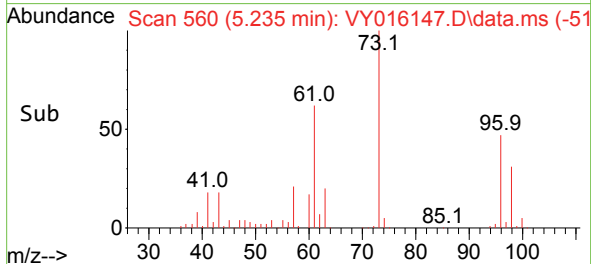
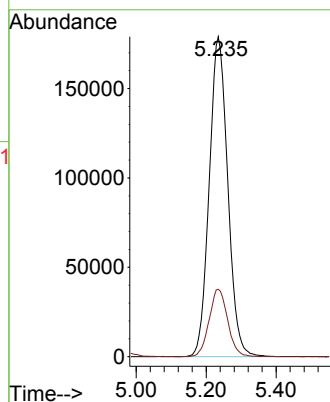
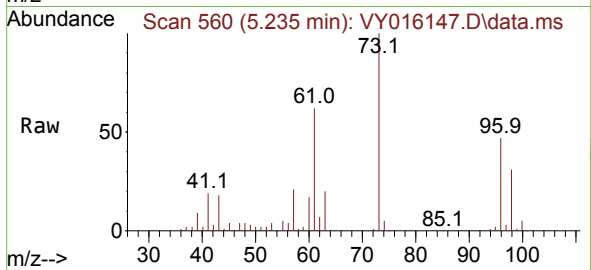




#19  
Methyl tert-butyl Ether  
Concen: 154.861 ug/l  
RT: 5.235 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

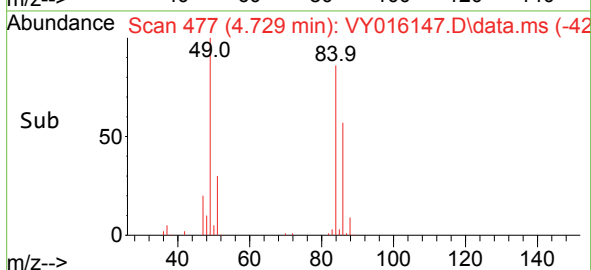
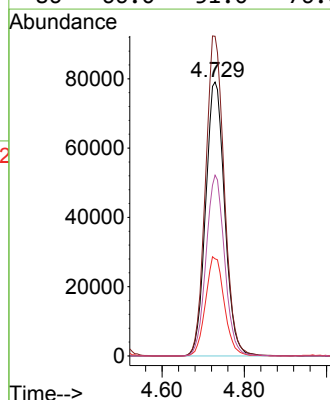
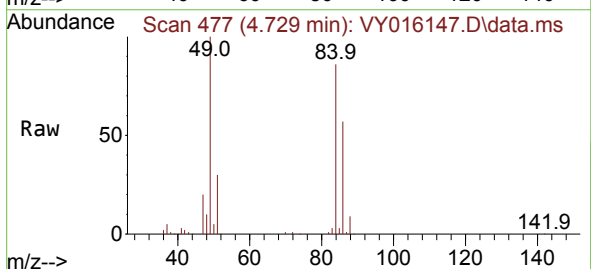
Instrument :  
MSVOA\_Y  
ClientSampleId :

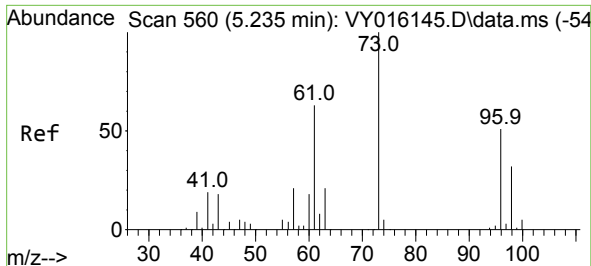
Tgt Ion: 73 Resp: 657441  
Ion Ratio Lower Upper  
73 100  
57 21.1 17.3 25.9



#20  
Methylene Chloride  
Concen: 147.175 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. -0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion: 84 Resp: 253575  
Ion Ratio Lower Upper  
84 100  
49 116.7 106.9 160.3  
51 35.5 33.2 49.8  
86 66.0 51.0 76.6

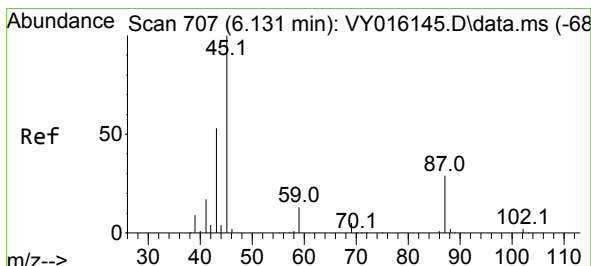
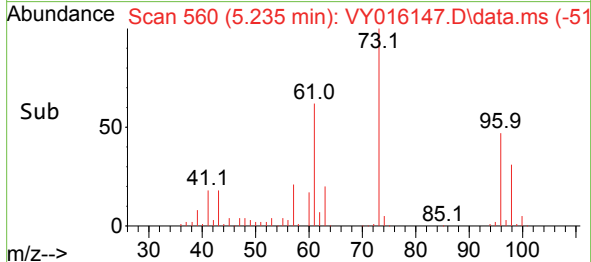
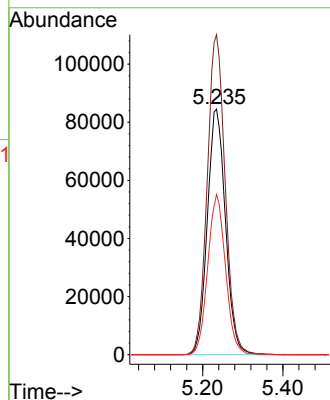
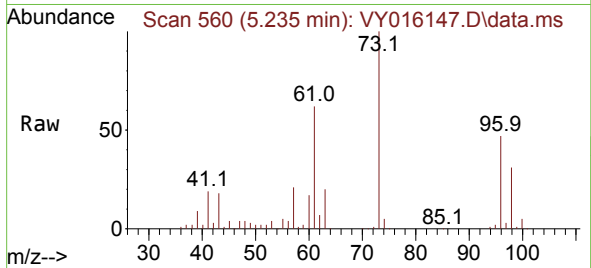




#21  
trans-1,2-Dichloroethene  
Concen: 152.635 ug/l  
RT: 5.235 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

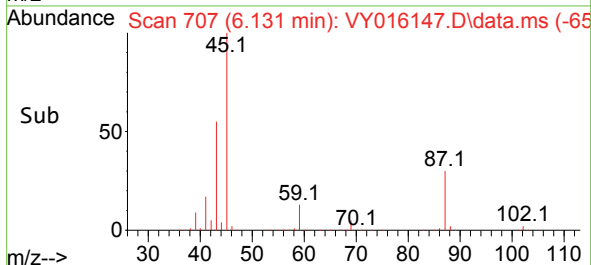
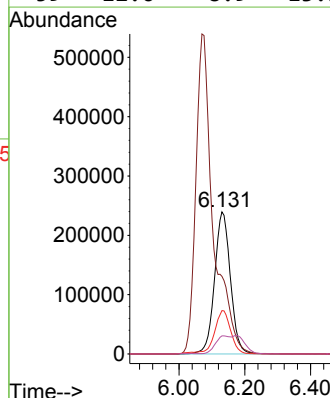
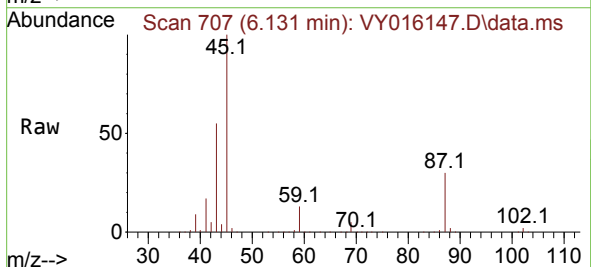
Instrument :  
MSVOA\_Y  
ClientSampleId :

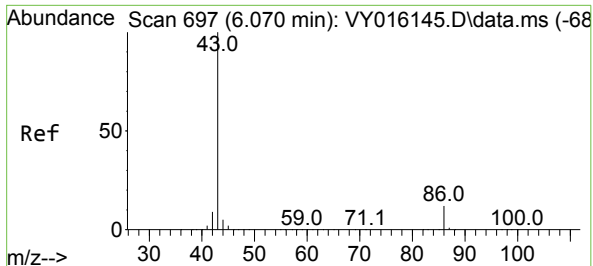
Tgt Ion: 96 Resp: 265355  
Ion Ratio Lower Upper  
96 100  
61 130.3 110.2 165.4  
98 65.2 51.8 77.6



#22  
Diisopropyl ether  
Concen: 155.028 ug/l  
RT: 6.131 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion: 45 Resp: 800495  
Ion Ratio Lower Upper  
45 100  
43 54.5 52.2 78.4  
87 30.5 21.0 31.6  
59 12.6 8.9 13.3

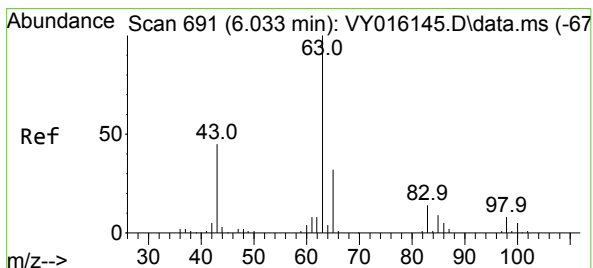
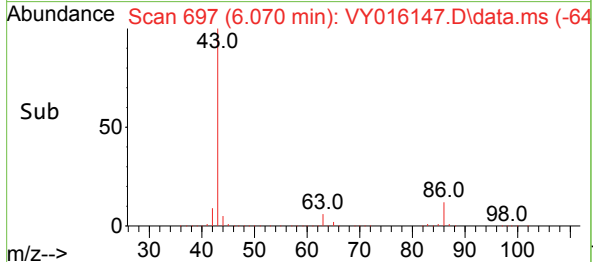
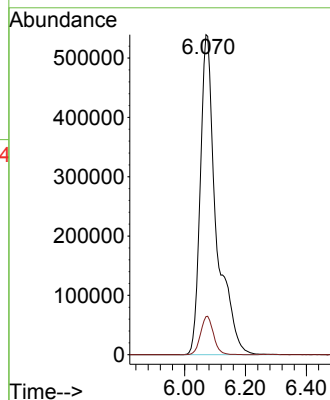
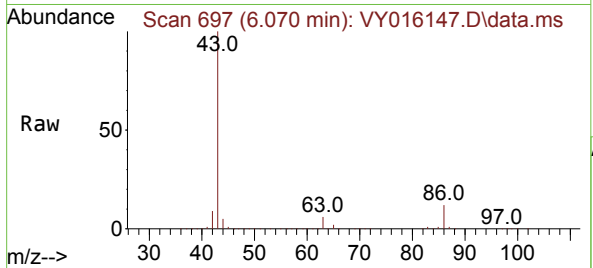




#23  
 Vinyl Acetate  
 Concen: 778.558 ug/l  
 RT: 6.070 min Scan# 697  
 Delta R.T. 0.000 min  
 Lab File: VY016147.D  
 Acq: 31 Oct 2023 14:40

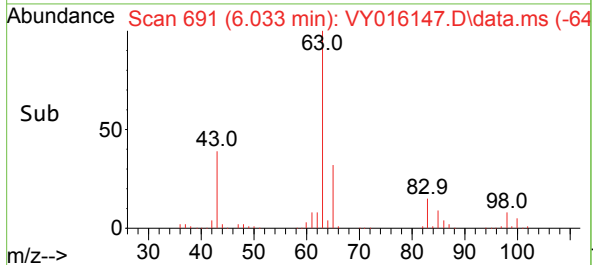
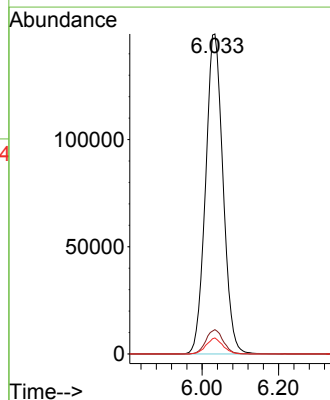
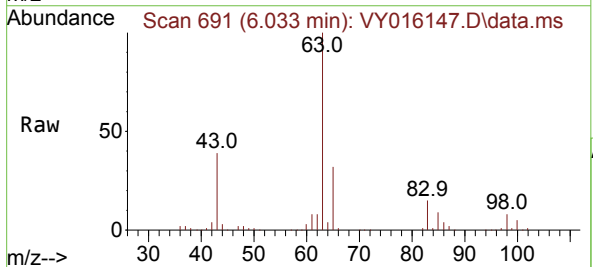
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

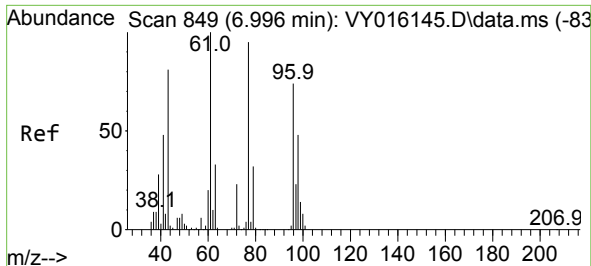
Tgt Ion: 43 Resp: 1973801  
 Ion Ratio Lower Upper  
 43 100  
 86 11.9 7.5 11.3#



#24  
 1,1-Dichloroethane  
 Concen: 152.713 ug/l  
 RT: 6.033 min Scan# 691  
 Delta R.T. 0.000 min  
 Lab File: VY016147.D  
 Acq: 31 Oct 2023 14:40

Tgt Ion: 63 Resp: 471931  
 Ion Ratio Lower Upper  
 63 100  
 98 7.6 3.1 9.4  
 100 5.0 1.8 5.5

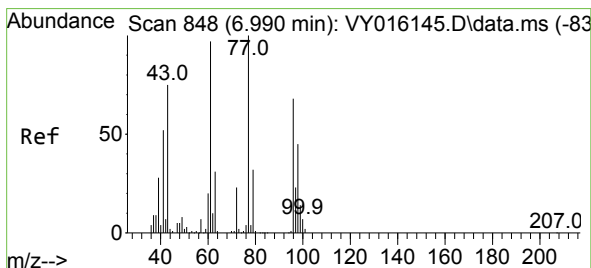
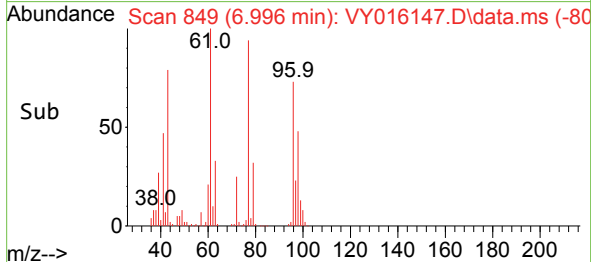
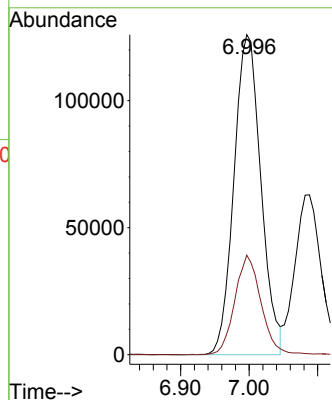
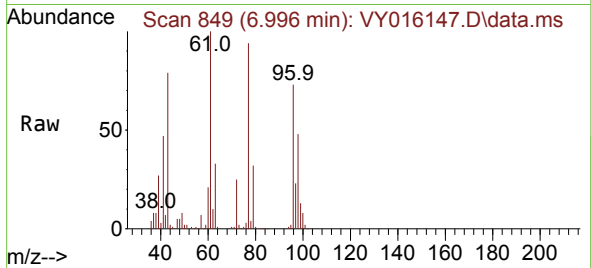




#25  
2-Butanone  
Concen: 708.376 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

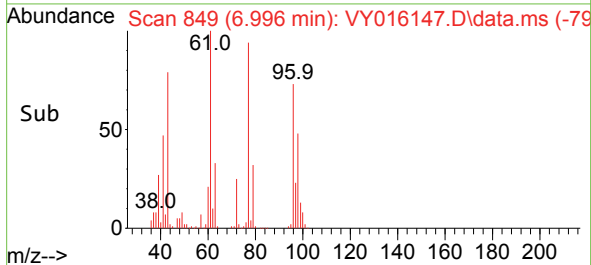
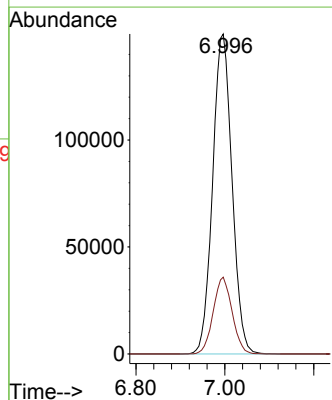
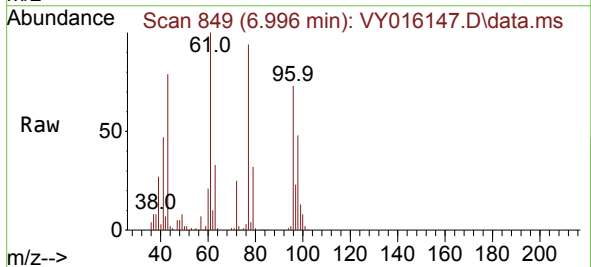
Instrument :  
MSVOA\_Y  
ClientSampleId :

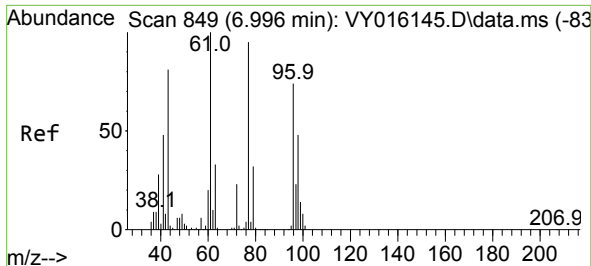
Tgt Ion: 43 Resp: 344933  
Ion Ratio Lower Upper  
43 100  
72 31.1 20.5 30.7#



#26  
2,2-Dichloropropane  
Concen: 154.596 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. 0.006 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion: 77 Resp: 451624  
Ion Ratio Lower Upper  
77 100  
97 23.4 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 153.587 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

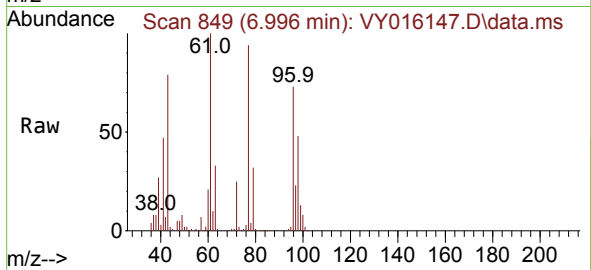
Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

ClientSampleId :



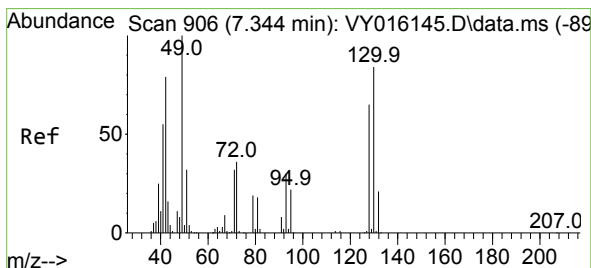
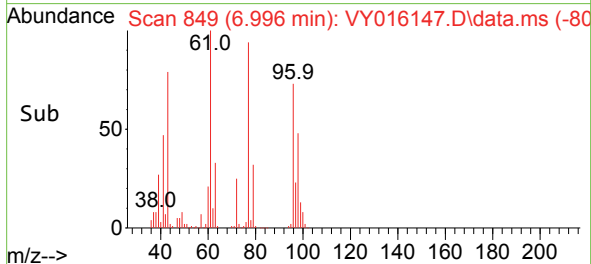
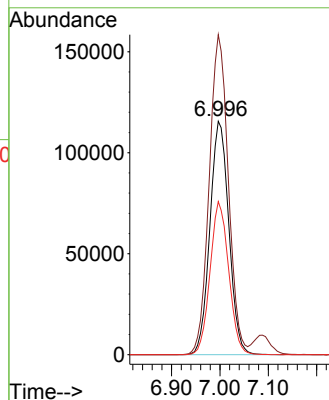
Tgt Ion: 96 Resp: 314227

Ion Ratio Lower Upper

96 100

61 138.6 0.0 301.4

98 64.6 0.0 130.4



#28

Bromochloromethane

Concen: 146.071 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

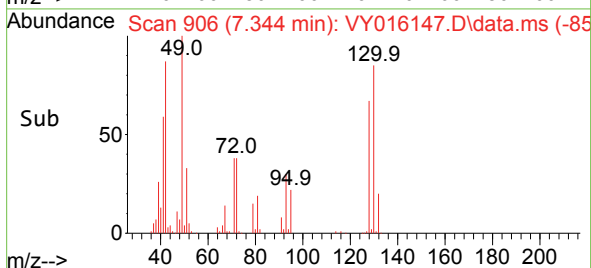
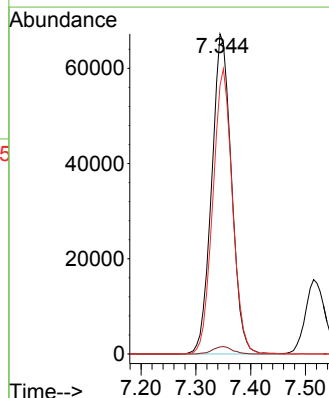
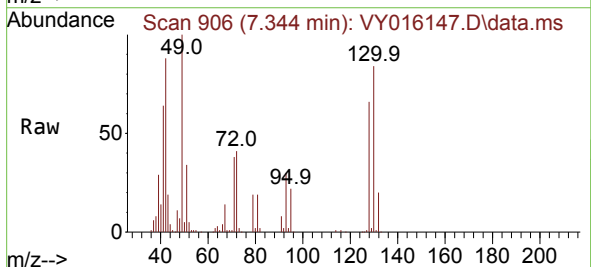
Tgt Ion: 49 Resp: 168919

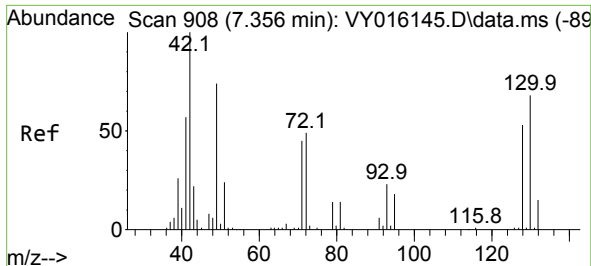
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

130 87.9 60.7 91.1





#29

Tetrahydrofuran

Concen: 765.455 ug/l

RT: 7.362 min Scan# 908

Delta R.T. 0.006 min

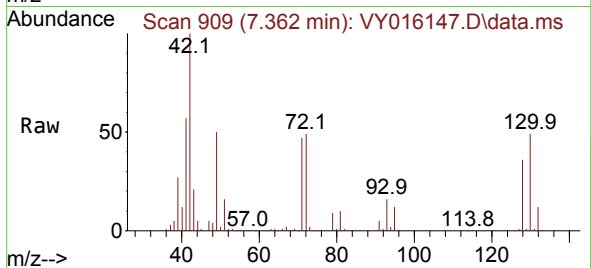
Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

ClientSampleId :



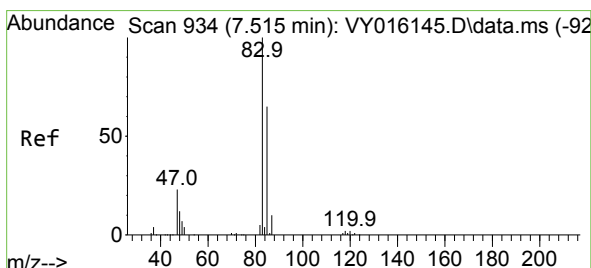
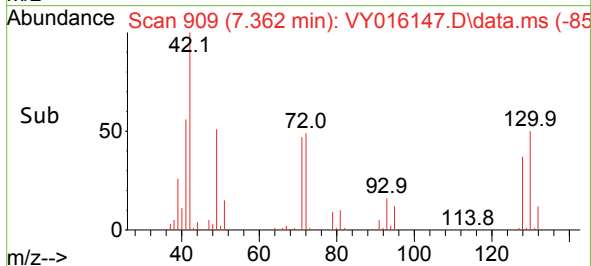
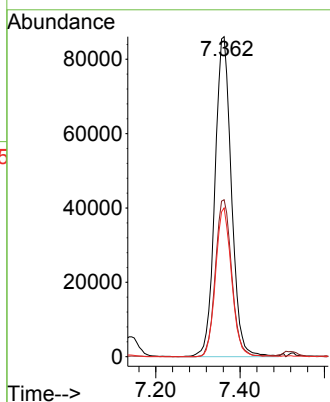
Tgt Ion: 42 Resp: 233647

Ion Ratio Lower Upper

42 100

72 48.6 32.8 49.2

71 45.0 31.0 46.4



#30

Chloroform

Concen: 150.717 ug/l

RT: 7.521 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY016147.D

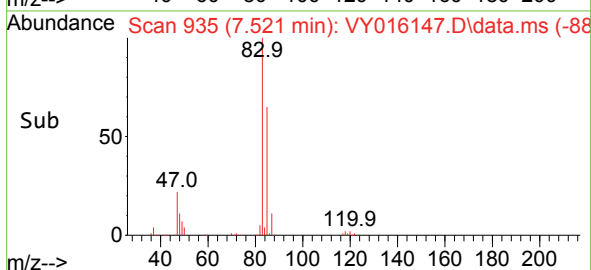
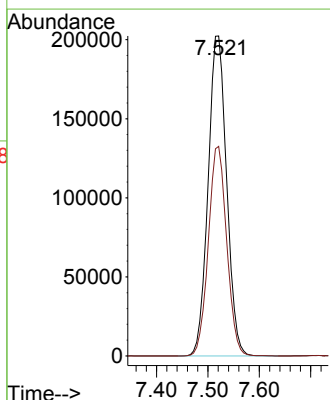
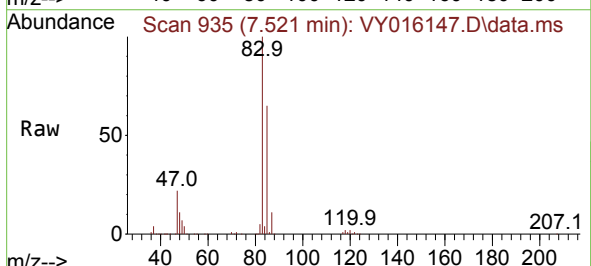
Acq: 31 Oct 2023 14:40

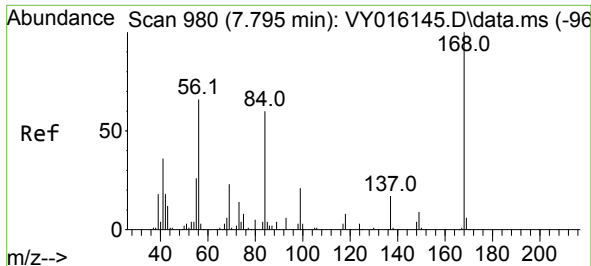
Tgt Ion: 83 Resp: 507084

Ion Ratio Lower Upper

83 100

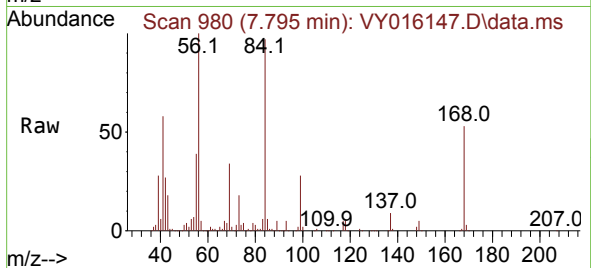
85 65.5 49.7 74.5



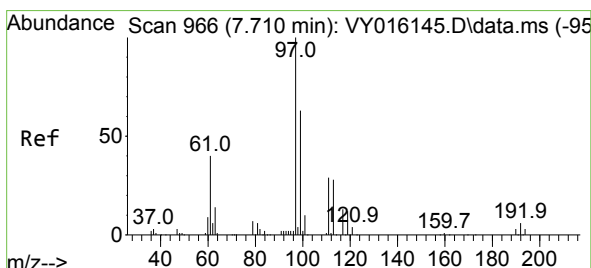
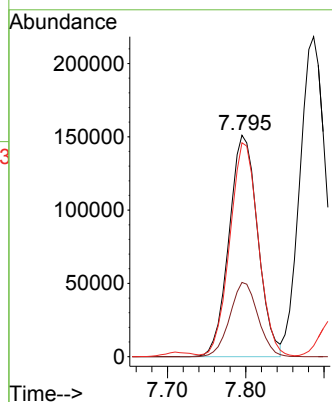
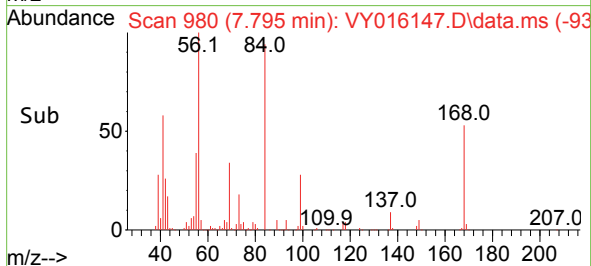


#31  
Cyclohexane  
Concen: 142.246 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

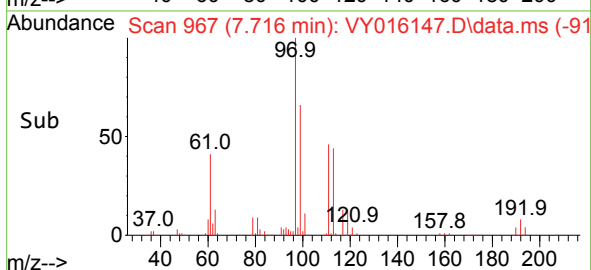
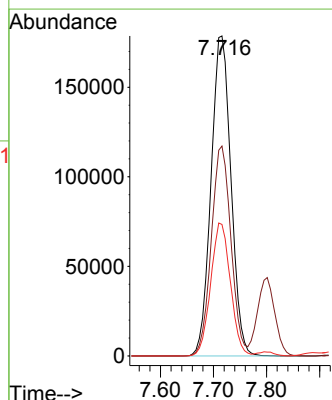
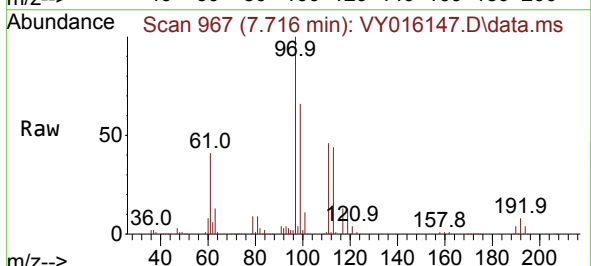


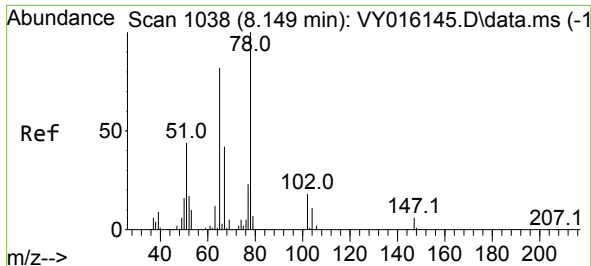
Tgt Ion: 56 Resp: 385935  
Ion Ratio Lower Upper  
56 100  
69 33.5 27.8 41.6  
84 94.8 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 151.137 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.006 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion: 97 Resp: 466339  
Ion Ratio Lower Upper  
97 100  
99 65.0 50.8 76.2  
61 41.2 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 149.297 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

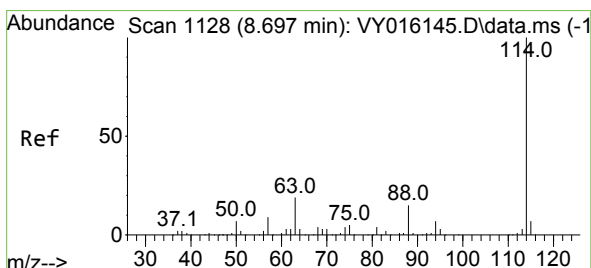
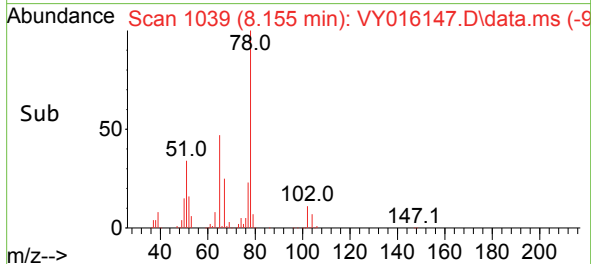
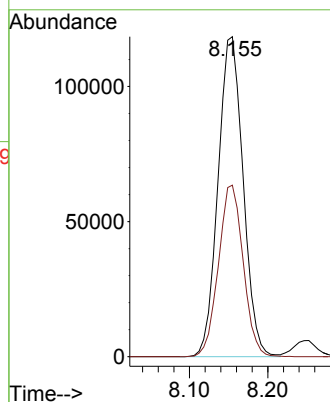
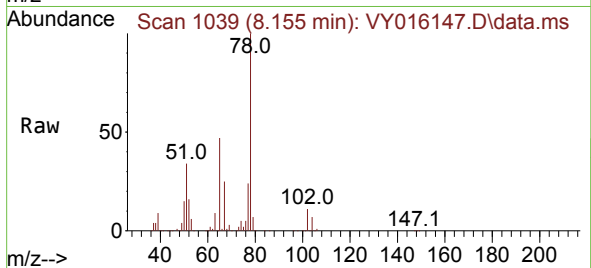
ClientSampleId :

Tgt Ion: 65 Resp: 263503

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

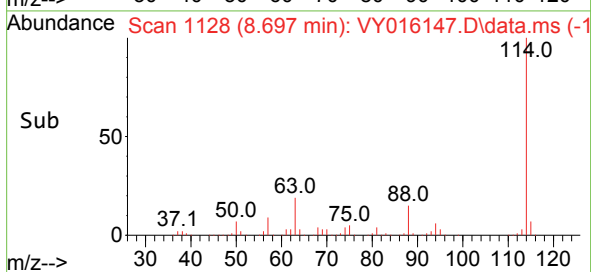
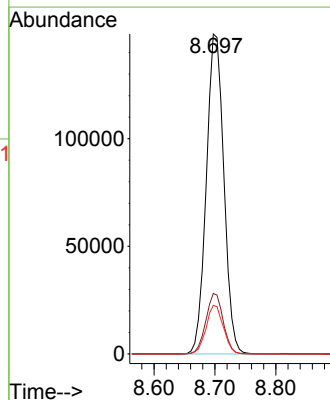
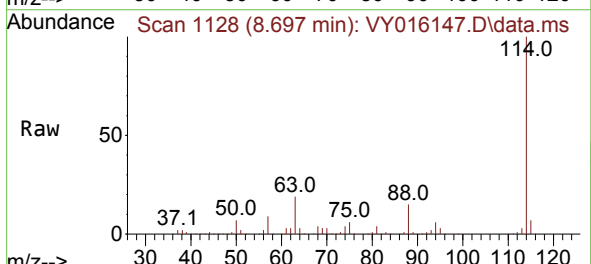
Tgt Ion: 114 Resp: 297337

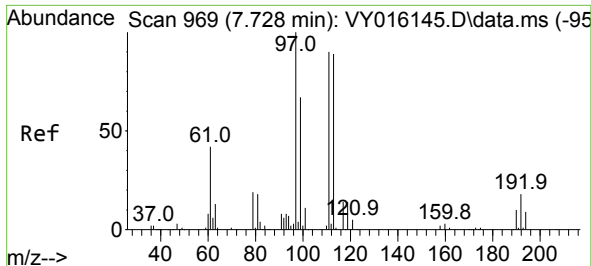
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.2 0.0 30.6

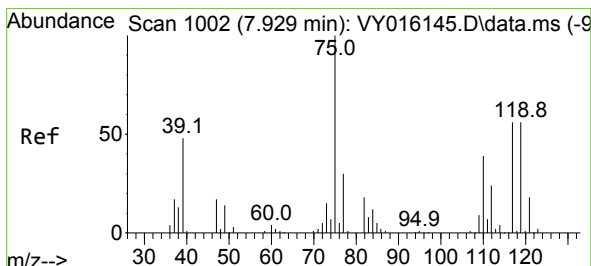
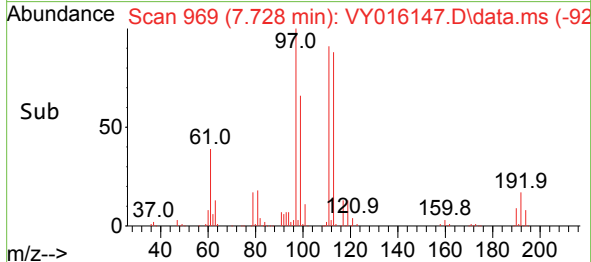
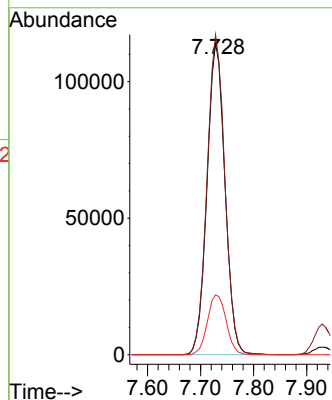
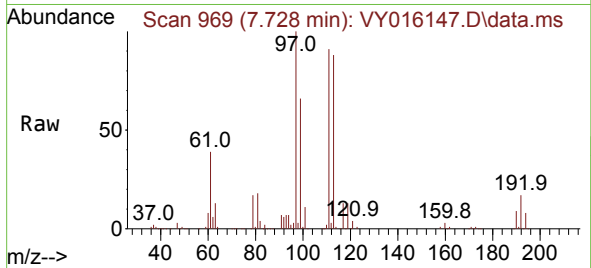




#35  
 Dibromofluoromethane  
 Concen: 151.008 ug/l  
 RT: 7.728 min Scan# 969  
 Delta R.T. 0.000 min  
 Lab File: VY016147.D  
 Acq: 31 Oct 2023 14:40

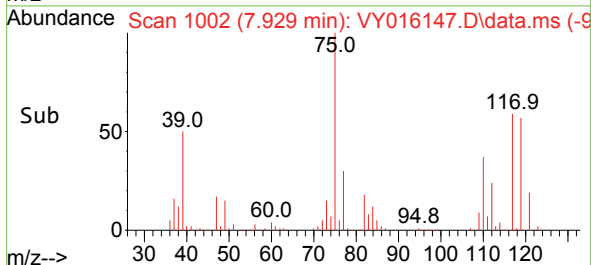
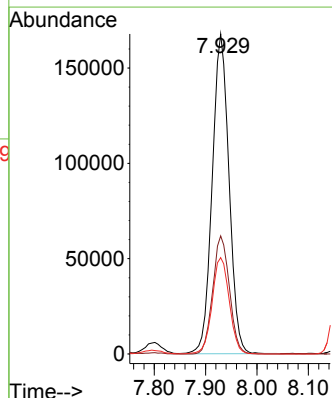
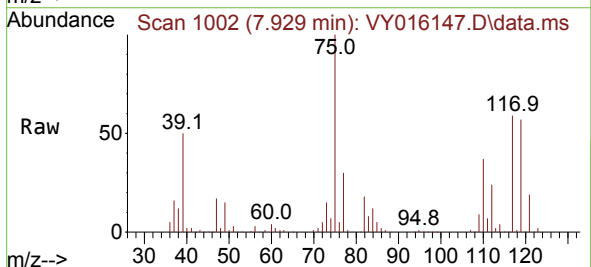
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

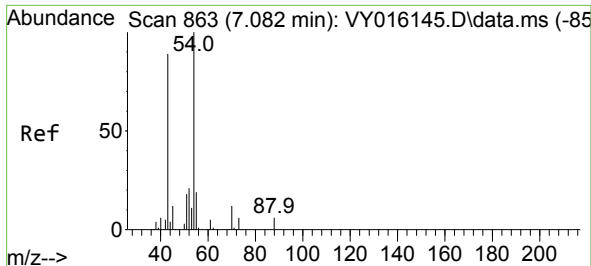
Tgt Ion:113 Resp: 267682  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 81.3 121.9  
 192 20.1 16.9 25.3



#36  
 1,1-Dichloropropene  
 Concen: 148.592 ug/l  
 RT: 7.929 min Scan# 1002  
 Delta R.T. 0.000 min  
 Lab File: VY016147.D  
 Acq: 31 Oct 2023 14:40

Tgt Ion: 75 Resp: 380347  
 Ion Ratio Lower Upper  
 75 100  
 110 36.7 17.8 53.5  
 77 30.8 24.4 36.6

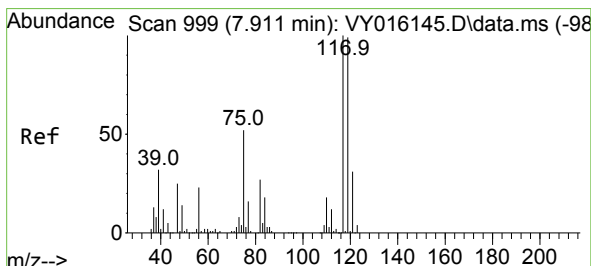
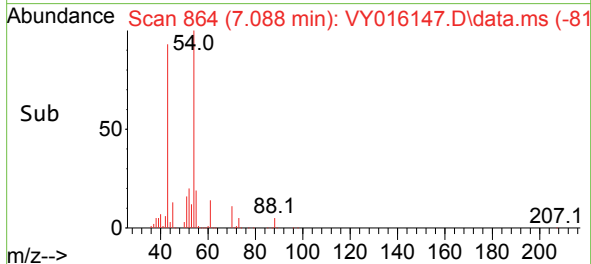
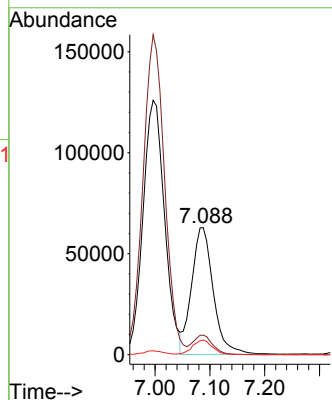
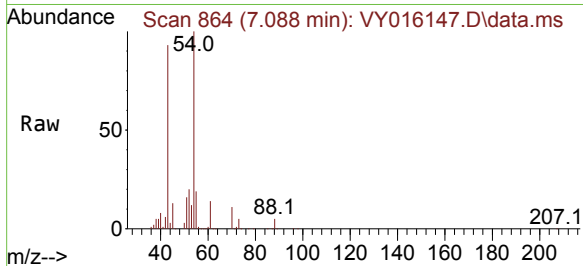




#37  
Ethyl Acetate  
Concen: 151.411 ug/l  
RT: 7.088 min Scan# 864  
Delta R.T. 0.006 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

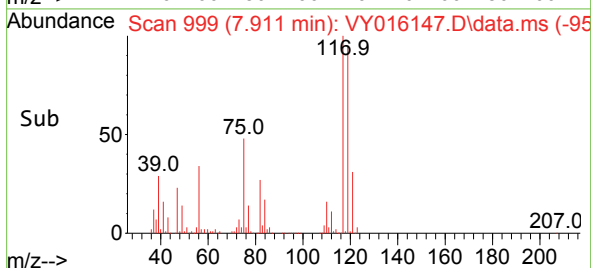
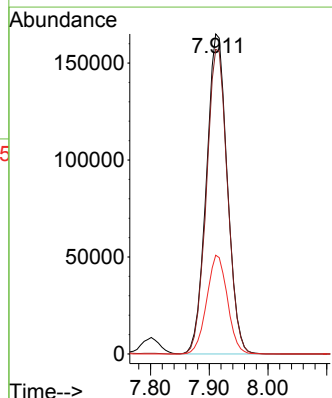
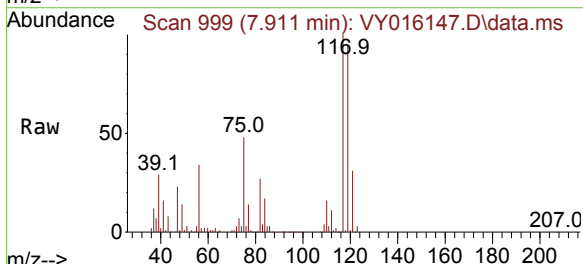
Instrument :  
MSVOA\_Y  
ClientSampleId :

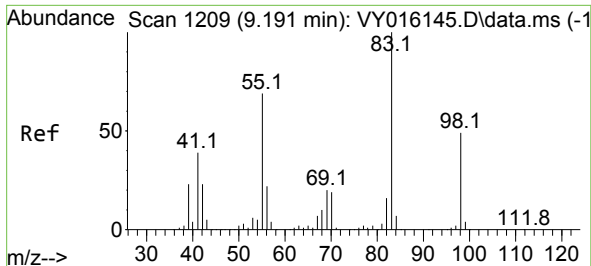
Tgt Ion: 43 Resp: 172620  
Ion Ratio Lower Upper  
43 100  
61 13.8 10.1 15.1  
70 10.7 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 160.943 ug/l  
RT: 7.911 min Scan# 999  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion: 117 Resp: 408139  
Ion Ratio Lower Upper  
117 100  
119 95.2 76.4 114.6  
121 30.8 25.8 38.6





#39

Methylcyclohexane

Concen: 151.594 ug/l

RT: 9.197 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

ClientSampleId :

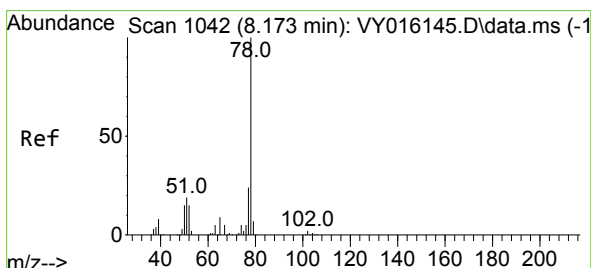
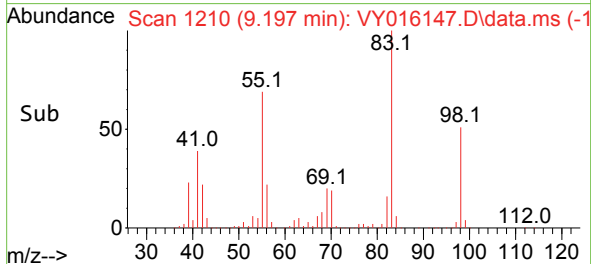
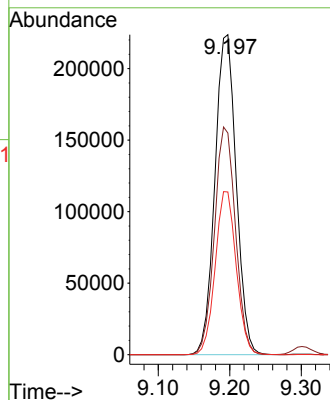
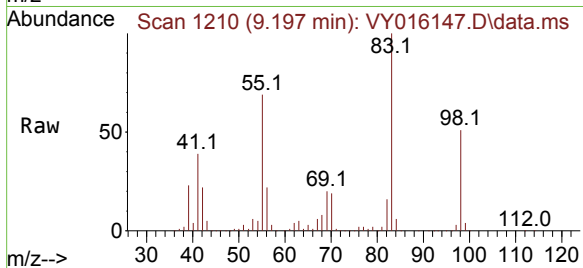
Tgt Ion: 83 Resp: 463180

Ion Ratio Lower Upper

83 100

55 69.3 63.0 94.4

98 50.8 37.4 56.2



#40

Benzene

Concen: 148.169 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY016147.D

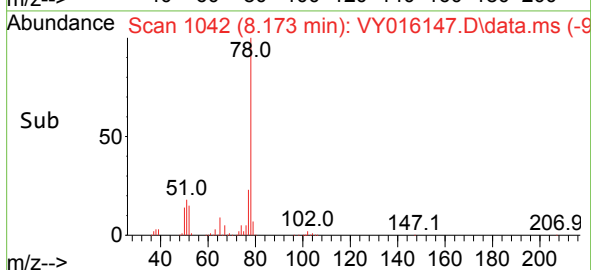
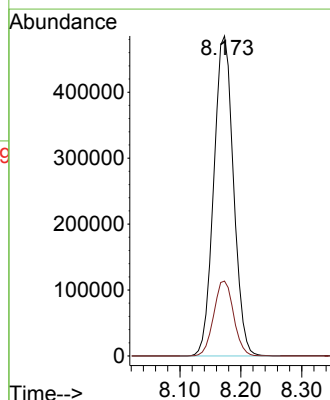
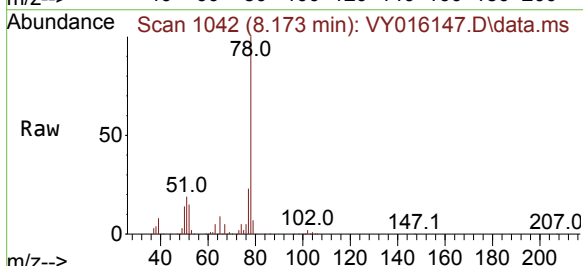
Acq: 31 Oct 2023 14:40

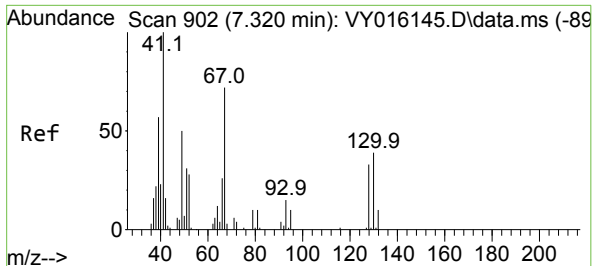
Tgt Ion: 78 Resp: 1088830

Ion Ratio Lower Upper

78 100

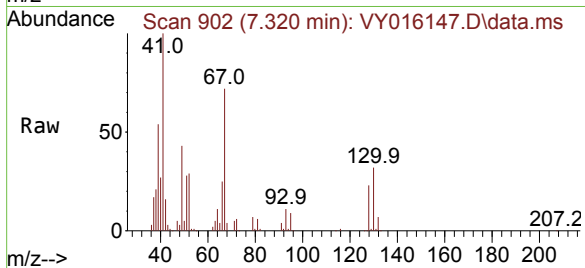
77 23.4 19.0 28.6



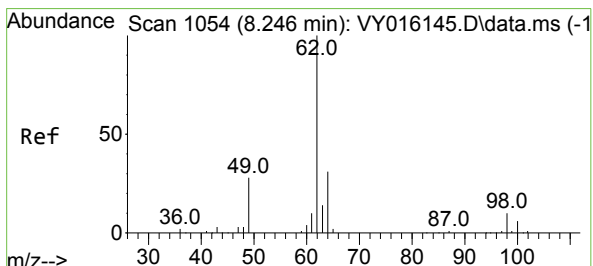
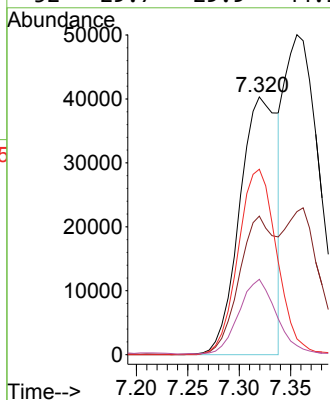
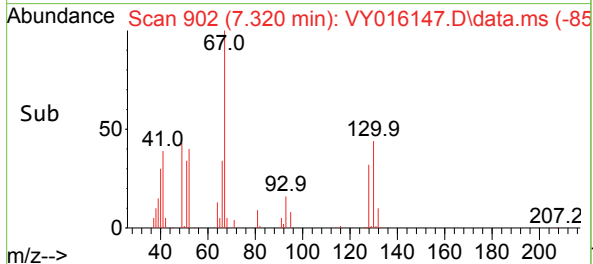


#41  
Methacrylonitrile  
Concen: 156.321 ug/l  
RT: 7.320 min Scan# 902  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

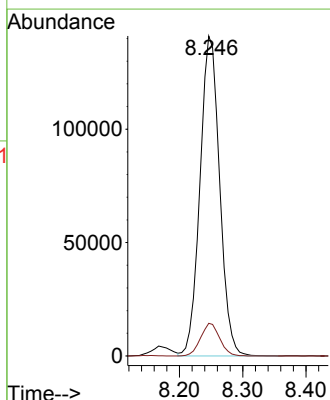
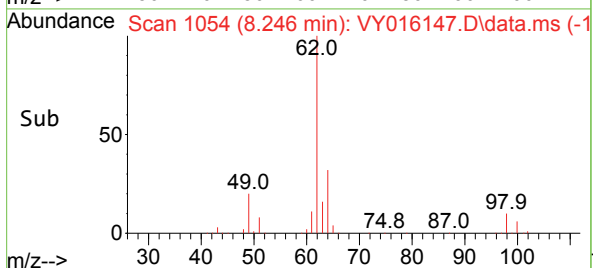
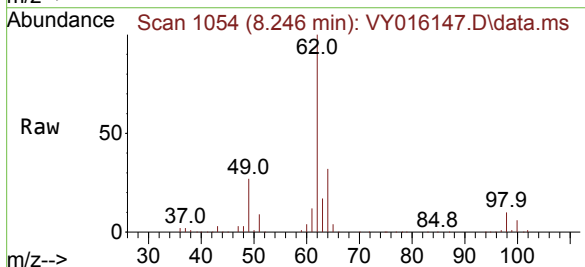


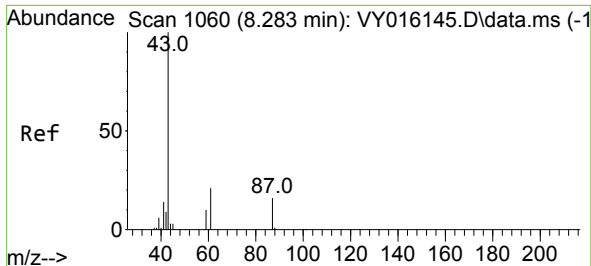
Tgt Ion: 41 Resp: 103447  
Ion Ratio Lower Upper  
41 100  
39 52.6 52.1 78.1  
67 73.8 66.2 99.2  
52 29.7 29.9 44.9#



#42  
1,2-Dichloroethane  
Concen: 148.864 ug/l  
RT: 8.246 min Scan# 1054  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

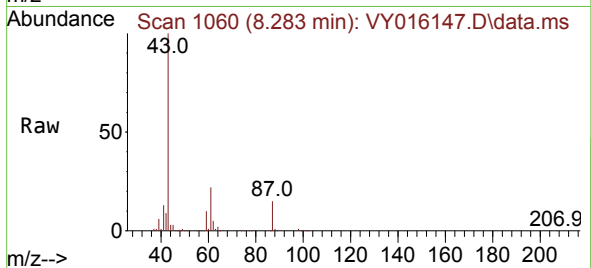
Tgt Ion: 62 Resp: 305279  
Ion Ratio Lower Upper  
62 100  
98 9.9 0.0 15.8



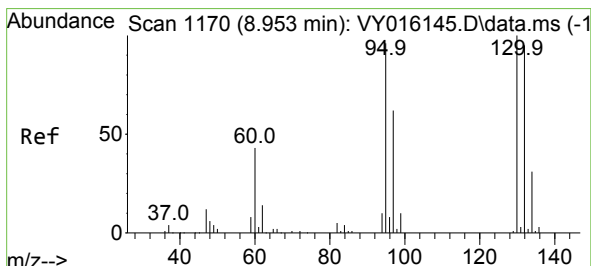
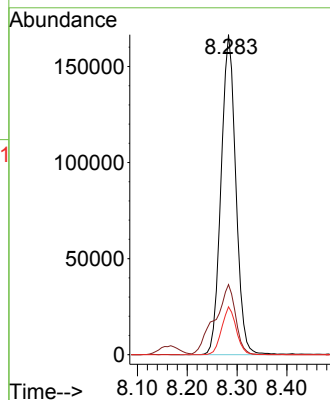
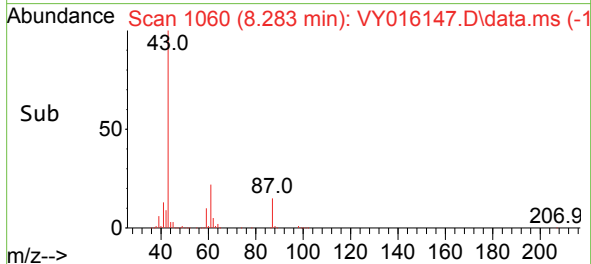


#43  
Isopropyl Acetate  
Concen: 151.692 ug/l  
RT: 8.283 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

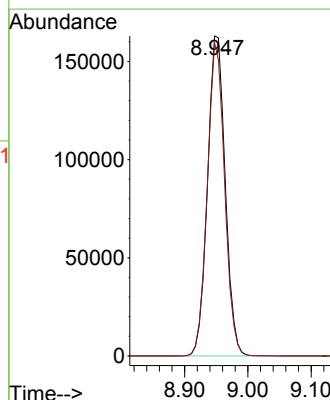
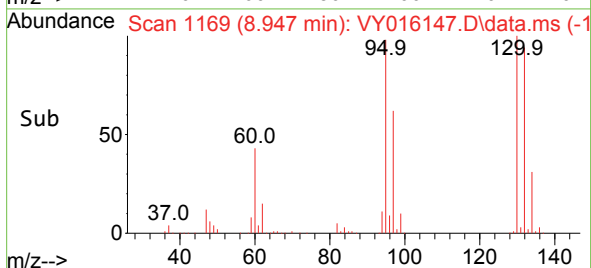
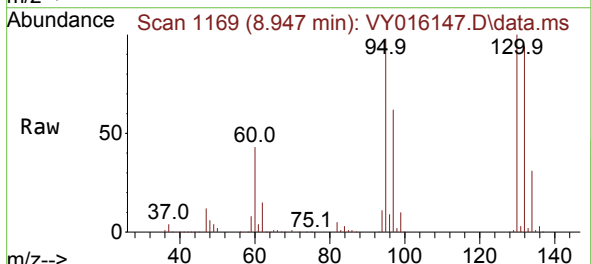


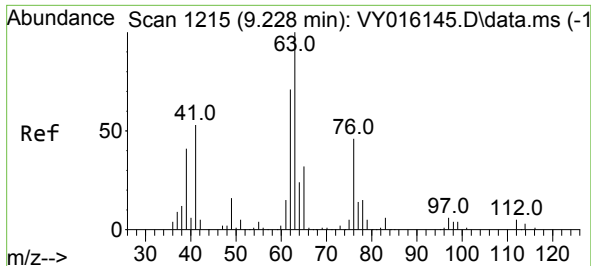
Tgt Ion: 43 Resp: 342084  
Ion Ratio Lower Upper  
43 100  
61 30.6 21.1 31.7  
87 14.8 9.8 14.8#



#44  
Trichloroethene  
Concen: 147.598 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. -0.006 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion:130 Resp: 317407  
Ion Ratio Lower Upper  
130 100  
95 97.8 0.0 196.0

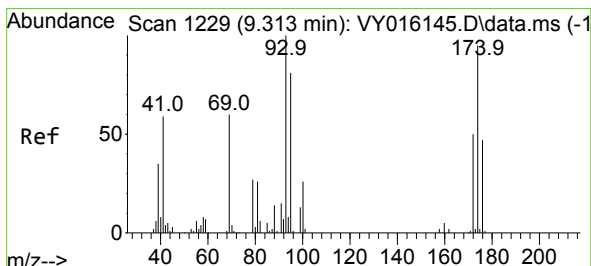
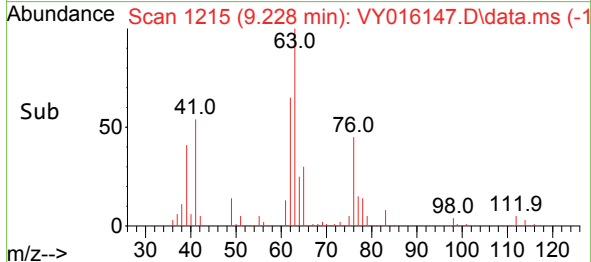
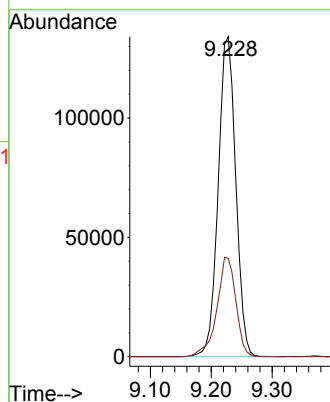
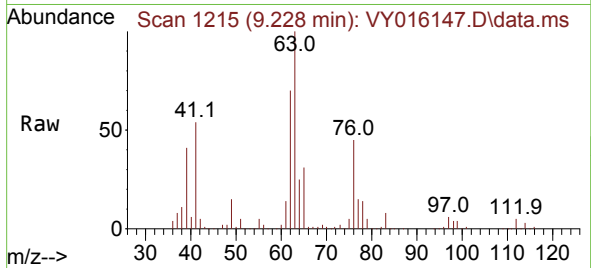




#45  
1,2-Dichloropropane  
Concen: 151.953 ug/l  
RT: 9.228 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

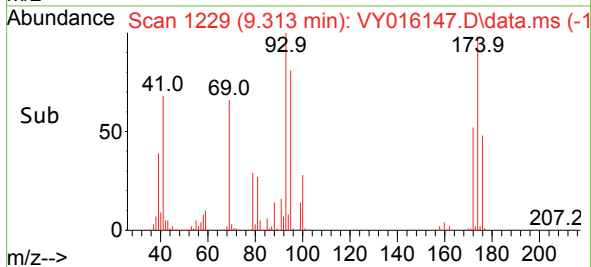
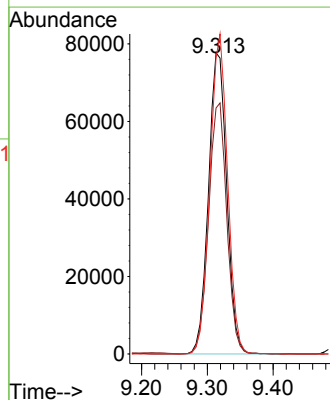
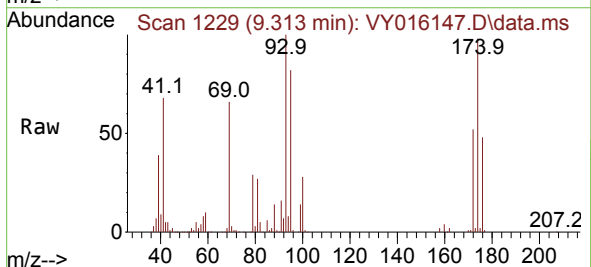
Instrument :  
MSVOA\_Y  
ClientSampleId :

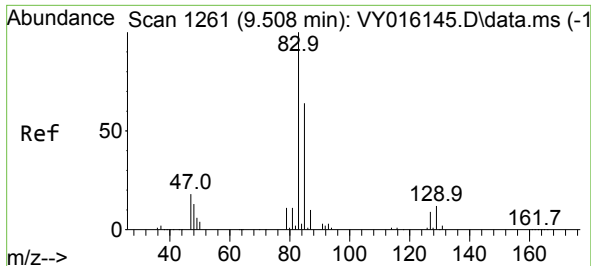
Tgt Ion: 63 Resp: 268620  
Ion Ratio Lower Upper  
63 100  
65 30.8 23.8 35.6



#46  
Dibromomethane  
Concen: 150.035 ug/l  
RT: 9.313 min Scan# 1229  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

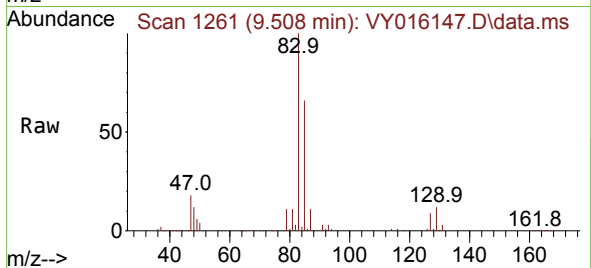
Tgt Ion: 93 Resp: 150457  
Ion Ratio Lower Upper  
93 100  
95 83.0 66.6 100.0  
174 102.8 84.8 127.2



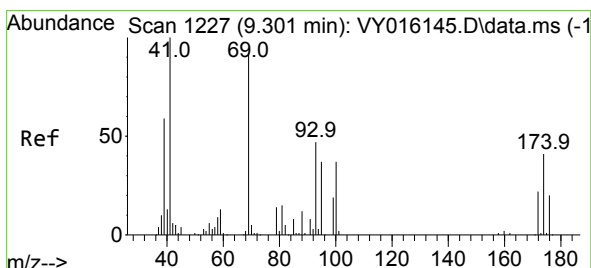
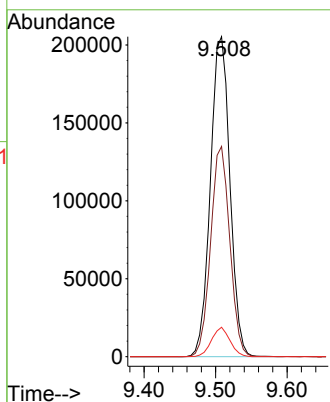
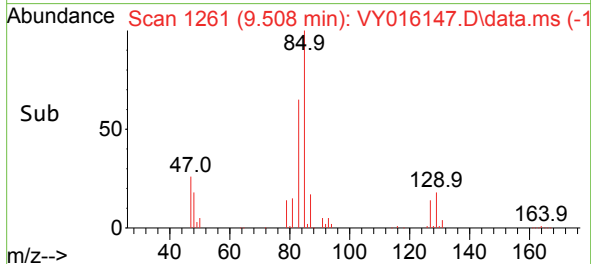


#47  
Bromodichloromethane  
Concen: 152.610 ug/l  
RT: 9.508 min Scan# 1261  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

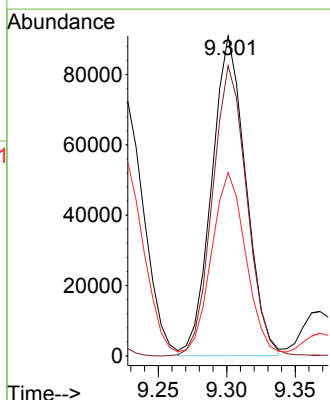
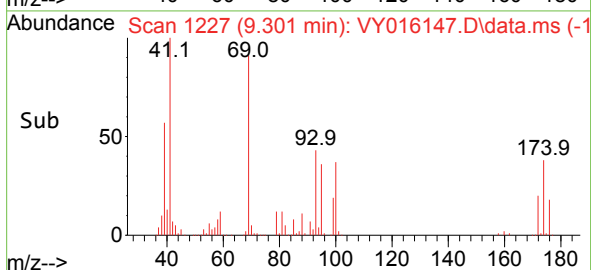
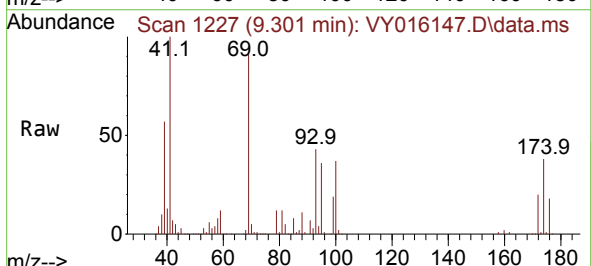


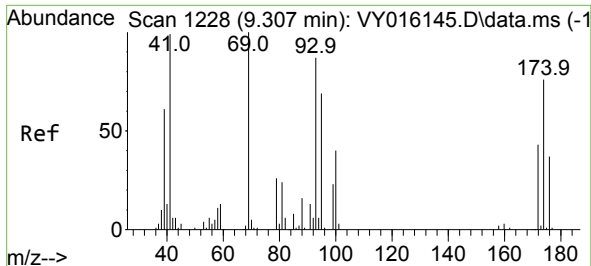
Tgt Ion: 83 Resp: 388839  
Ion Ratio Lower Upper  
83 100  
85 65.7 50.1 75.1  
127 9.2 7.1 10.7



#48  
Methyl methacrylate  
Concen: 153.561 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion: 41 Resp: 157471  
Ion Ratio Lower Upper  
41 100  
69 91.6 64.5 96.7  
39 55.6 50.8 76.2





#49

1,4-Dioxane

Concen: 2814.248 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

ClientSampleId :

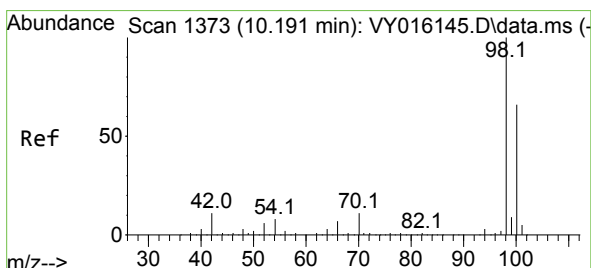
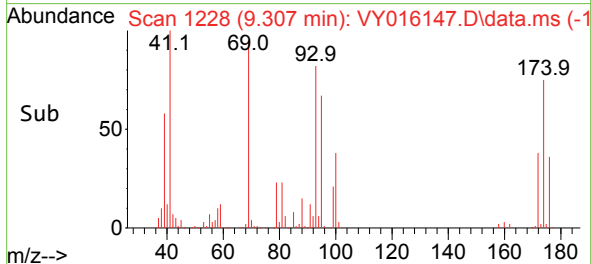
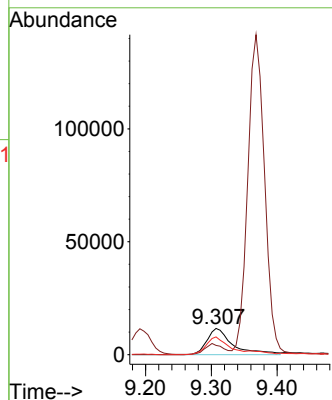
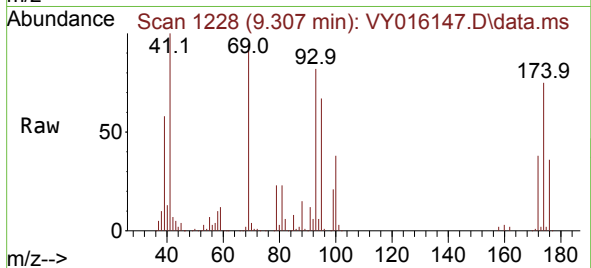
Tgt Ion: 88 Resp: 31772

Ion Ratio Lower Upper

88 100

43 29.8 0.0 0.0#

58 71.0 30.9 46.3#



#50

Toluene-d8

Concen: 152.899 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.000 min

Lab File: VY016147.D

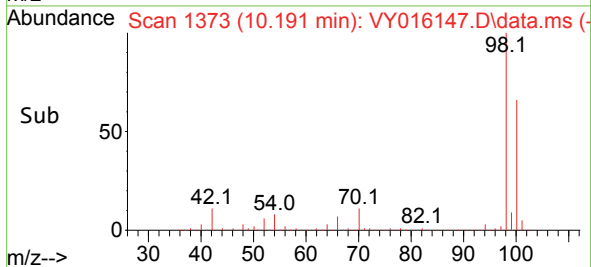
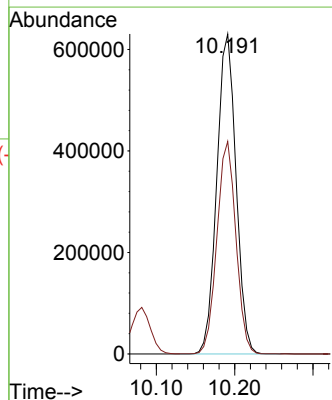
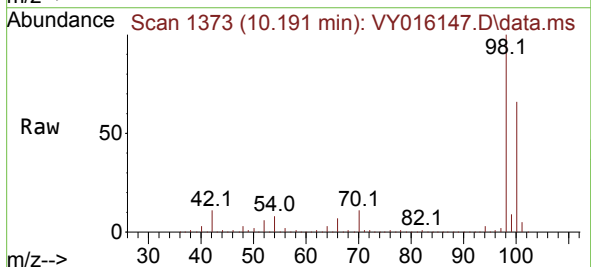
Acq: 31 Oct 2023 14:40

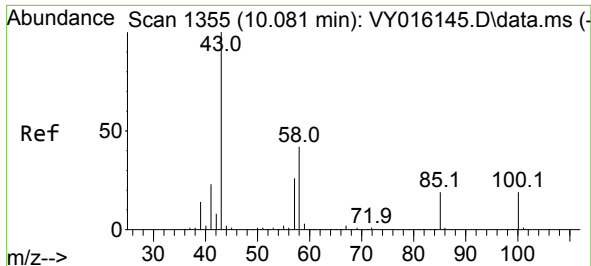
Tgt Ion: 98 Resp: 1074601

Ion Ratio Lower Upper

98 100

100 65.7 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 753.938 ug/l

RT: 10.081 min Scan# 1355

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

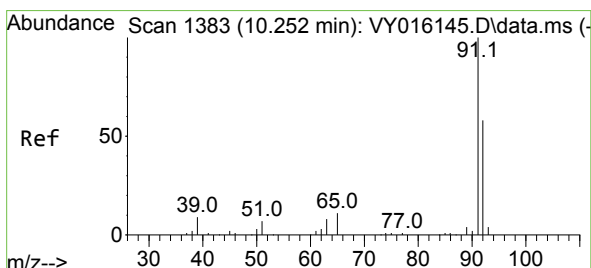
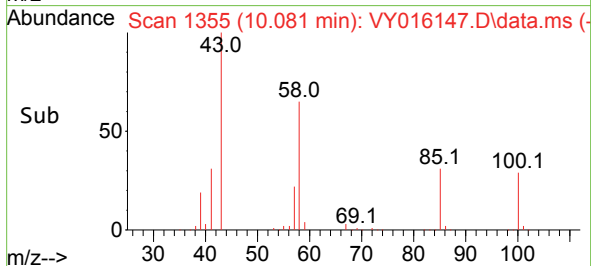
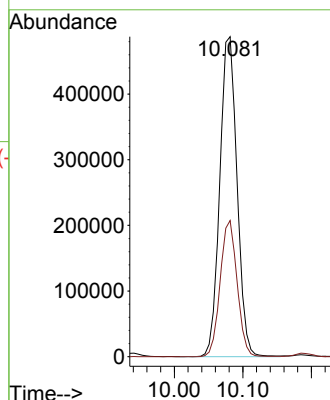
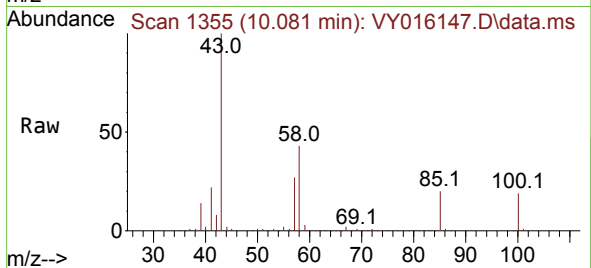
ClientSampleId :

Tgt Ion: 43 Resp: 848356

Ion Ratio Lower Upper

43 100

58 41.7 29.0 43.6



#52

Toluene

Concen: 150.223 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VY016147.D

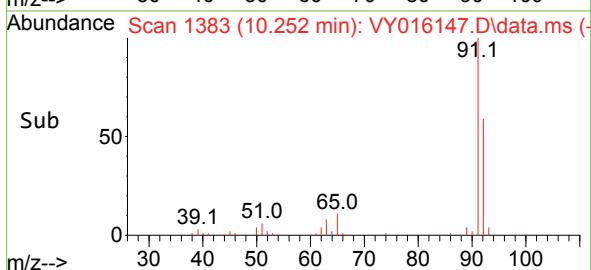
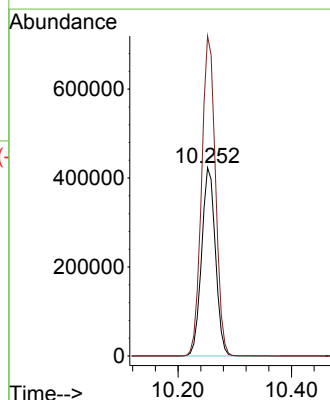
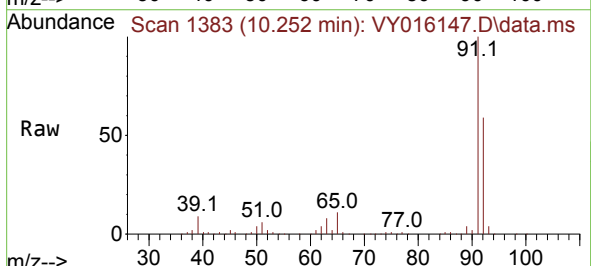
Acq: 31 Oct 2023 14:40

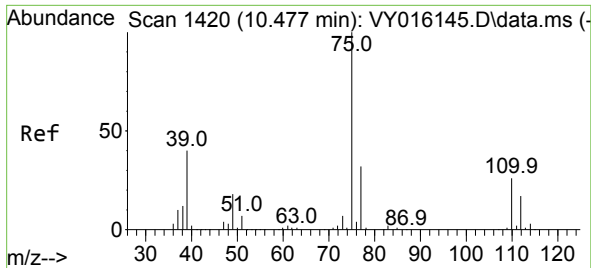
Tgt Ion: 92 Resp: 715338

Ion Ratio Lower Upper

92 100

91 170.7 143.8 215.6

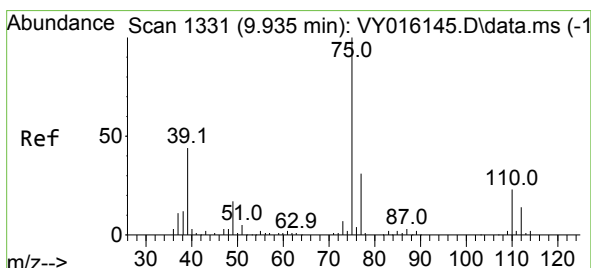
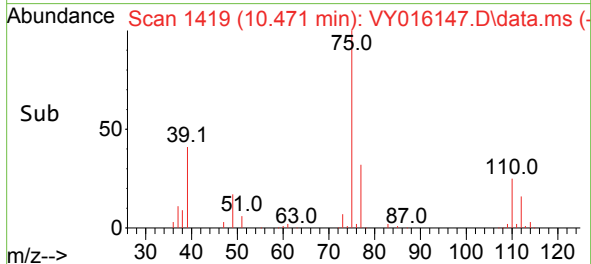
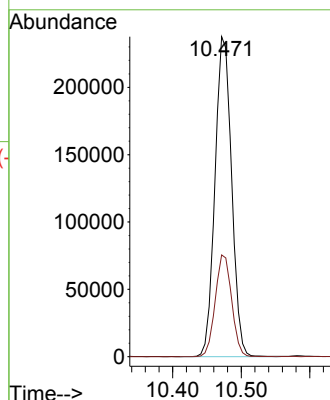
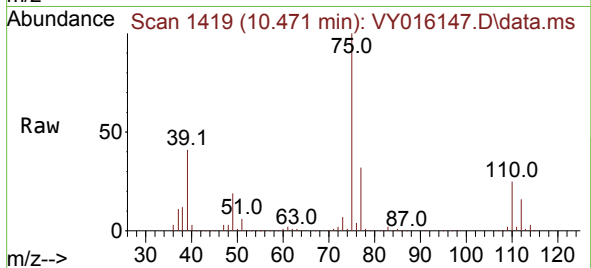




#53  
 t-1,3-Dichloropropene  
 Concen: 156.846 ug/l  
 RT: 10.471 min Scan# 1420  
 Delta R.T. -0.006 min  
 Lab File: VY016147.D  
 Acq: 31 Oct 2023 14:40

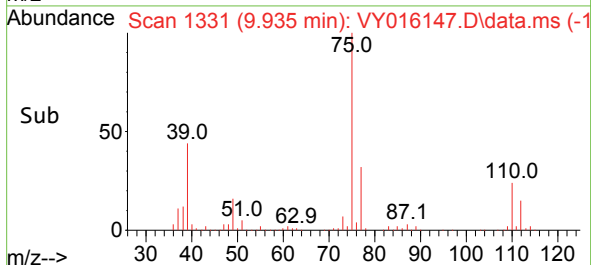
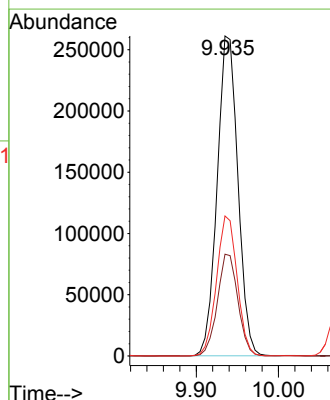
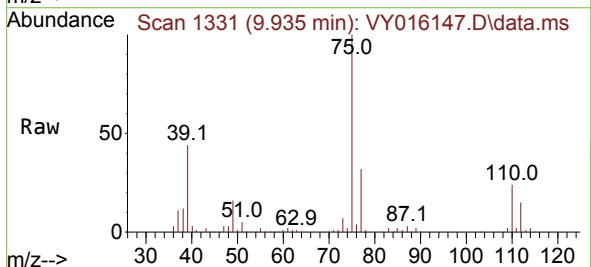
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

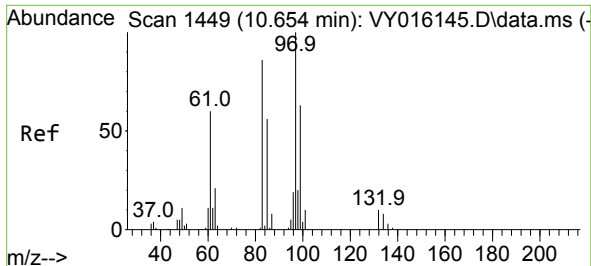
Tgt Ion: 75 Resp: 398940  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 153.595 ug/l  
 RT: 9.935 min Scan# 1331  
 Delta R.T. 0.000 min  
 Lab File: VY016147.D  
 Acq: 31 Oct 2023 14:40

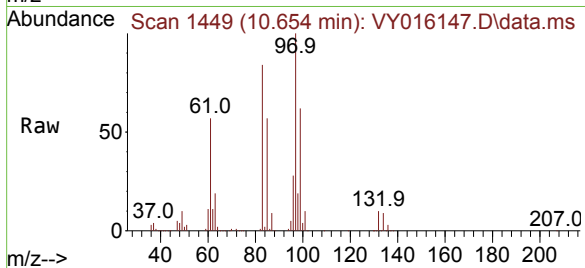
Tgt Ion: 75 Resp: 458417  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 24.2 36.4  
 39 43.7 42.2 63.4



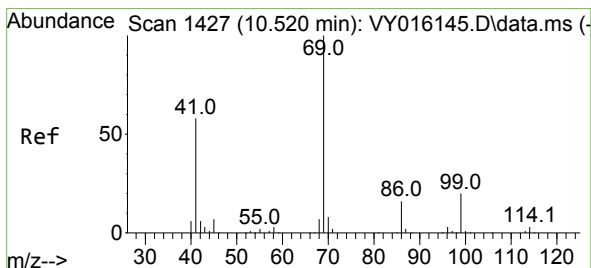
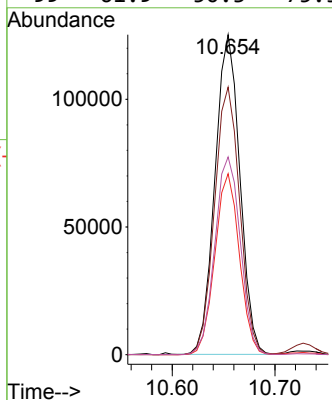
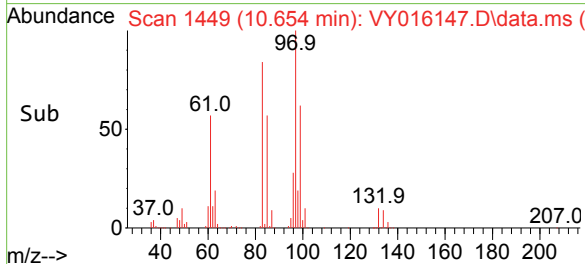


#55  
1,1,2-Trichloroethane  
Concen: 149.360 ug/l  
RT: 10.654 min Scan# 1449  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

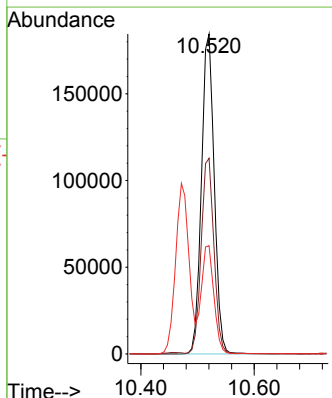
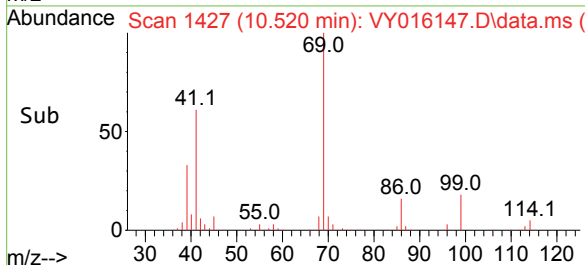
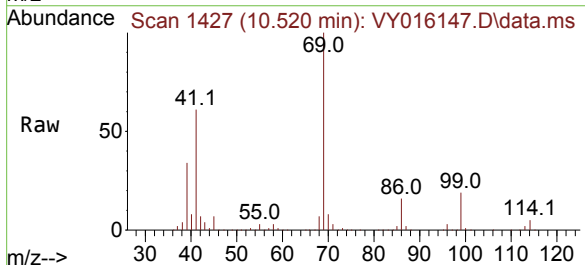


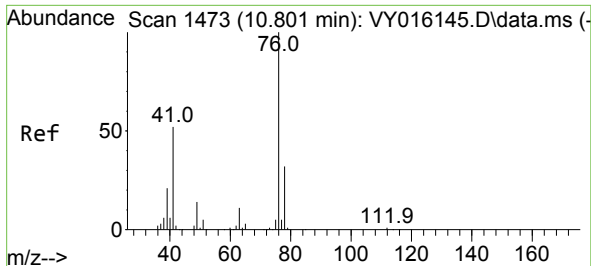
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 210689 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 83.7  | 72.0  | 108.0  |
| 85       | 56.6  | 45.4  | 68.0   |
| 99       | 61.9  | 50.3  | 75.5   |



#56  
Ethyl methacrylate  
Concen: 157.580 ug/l  
RT: 10.520 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 288678 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 61.1  | 57.6  | 86.4   |
| 39       | 33.4  | 34.1  | 51.1#  |





#57

1,3-Dichloropropane

Concen: 148.683 ug/l

RT: 10.801 min Scan# 1473

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

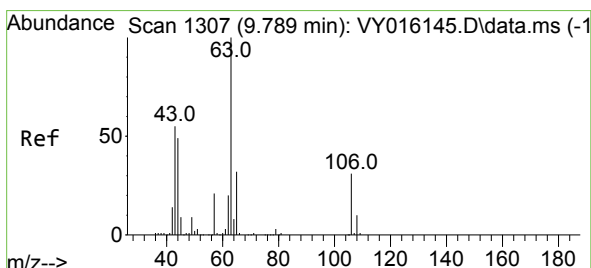
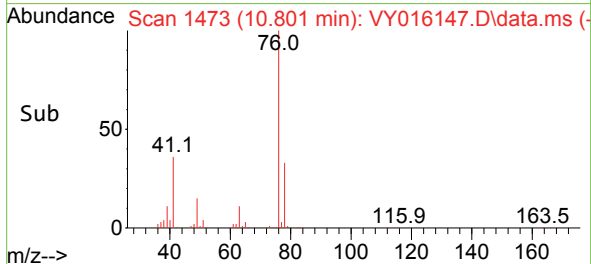
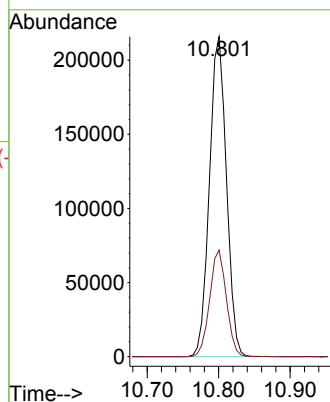
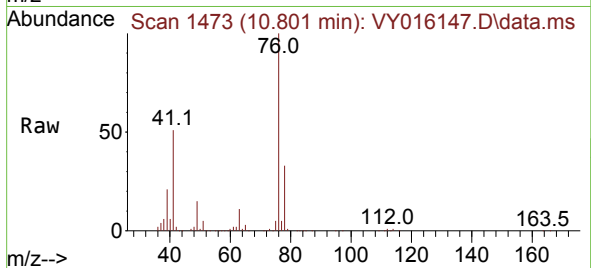
ClientSampleId :

Tgt Ion: 76 Resp: 357048

Ion Ratio Lower Upper

76 100

78 32.6 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 757.437 ug/l

RT: 9.789 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VY016147.D

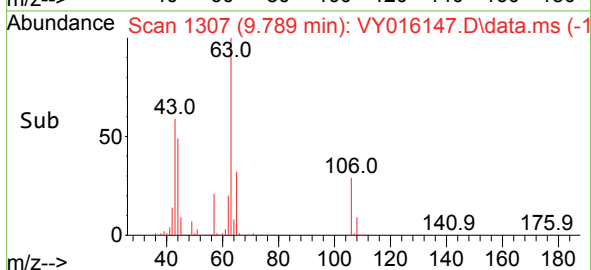
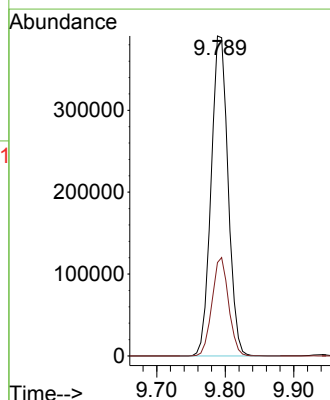
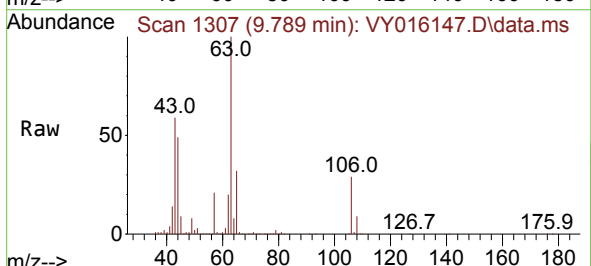
Acq: 31 Oct 2023 14:40

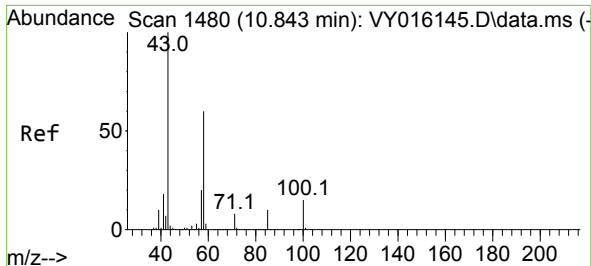
Tgt Ion: 63 Resp: 672850

Ion Ratio Lower Upper

63 100

106 30.0 21.2 31.8





#59

2-Hexanone

Concen: 744.564 ug/l

RT: 10.837 min Scan# 1480

Delta R.T. -0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

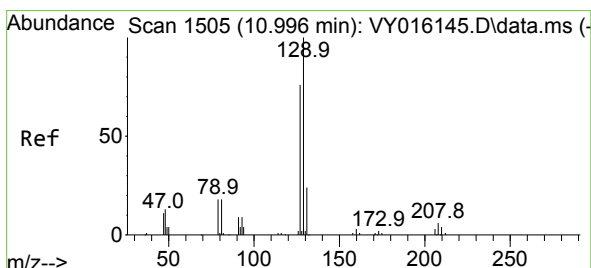
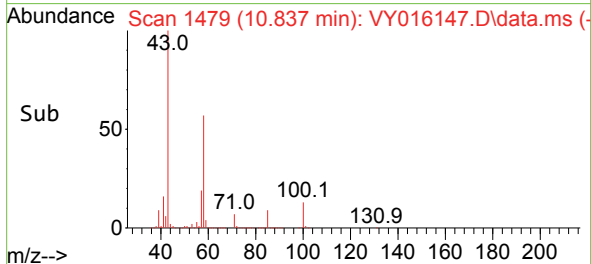
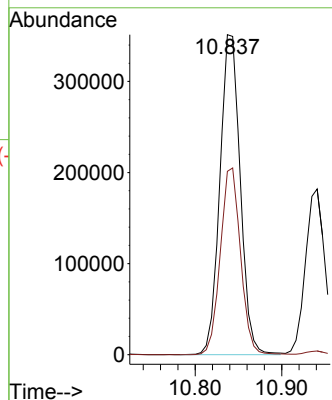
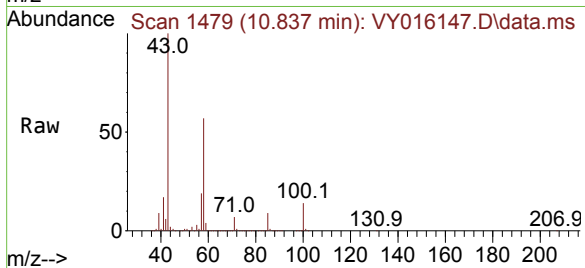
ClientSampleId :

Tgt Ion: 43 Resp: 574118

Ion Ratio Lower Upper

43 100

58 58.0 25.1 75.3



#60

Dibromochloromethane

Concen: 152.793 ug/l

RT: 10.996 min Scan# 1505

Delta R.T. 0.000 min

Lab File: VY016147.D

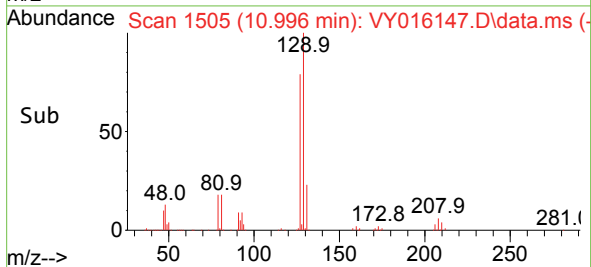
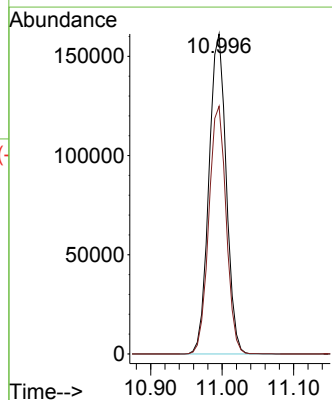
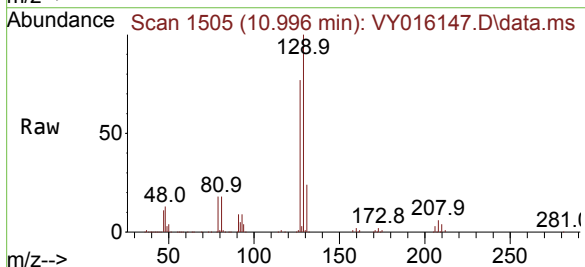
Acq: 31 Oct 2023 14:40

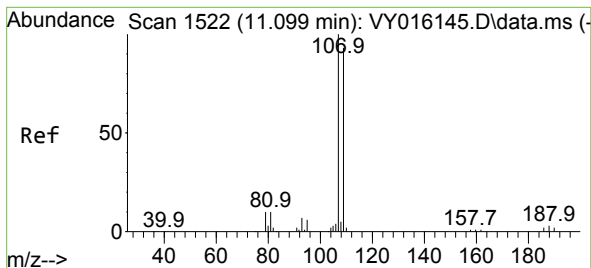
Tgt Ion:129 Resp: 270396

Ion Ratio Lower Upper

129 100

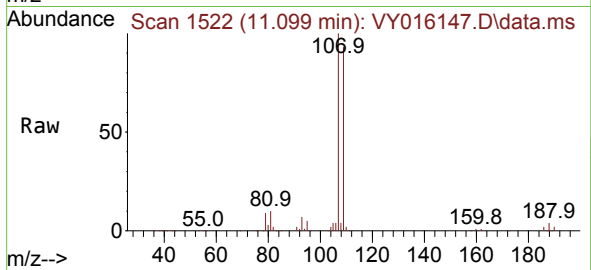
127 77.7 38.5 115.5



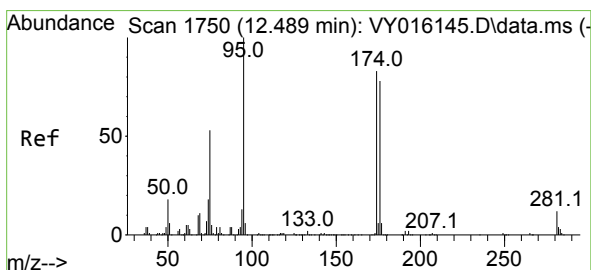
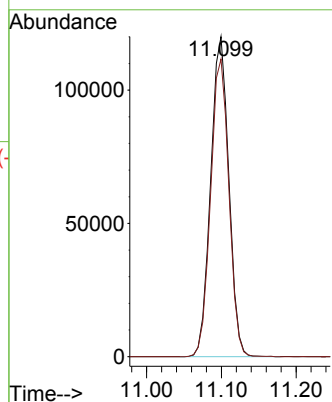
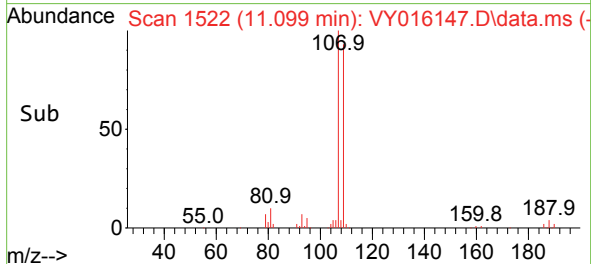


#61  
1,2-Dibromoethane  
Concen: 150.609 ug/l  
RT: 11.099 min Scan# 1522  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

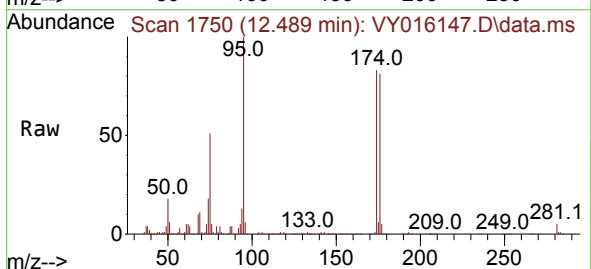
Instrument :  
MSVOA\_Y  
ClientSampleId :



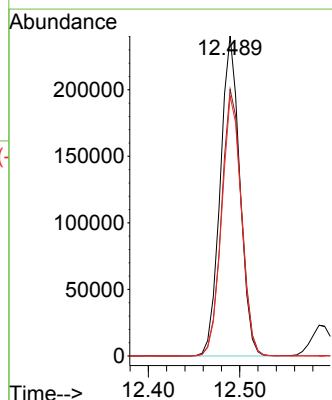
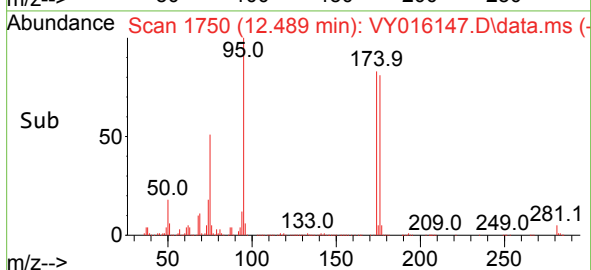
Tgt Ion:107 Resp: 202077  
Ion Ratio Lower Upper  
107 100  
109 93.6 75.6 113.4

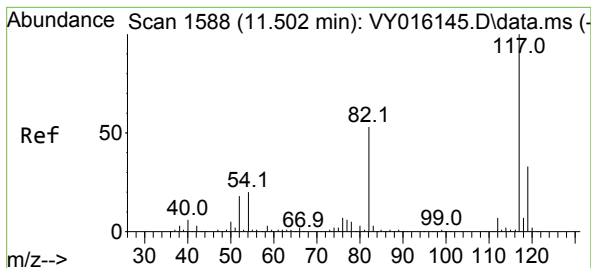


#62  
4-Bromofluorobenzene  
Concen: 148.824 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40



Tgt Ion: 95 Resp: 357661  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 178.2  
176 82.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

ClientSampleId :

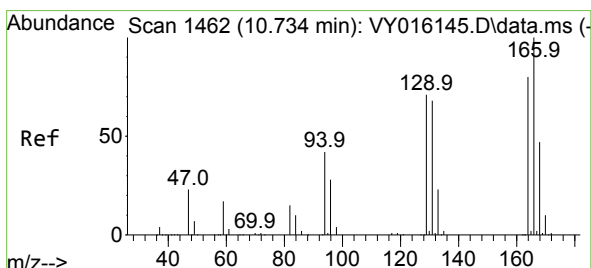
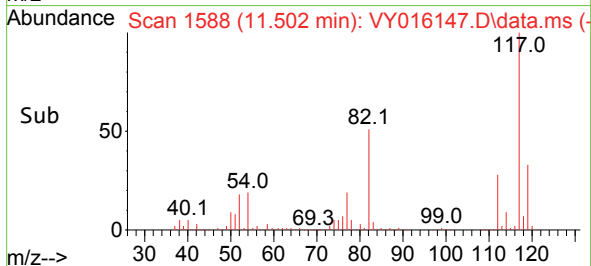
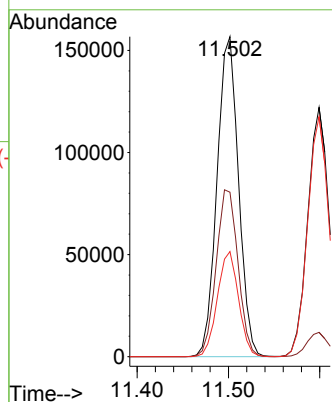
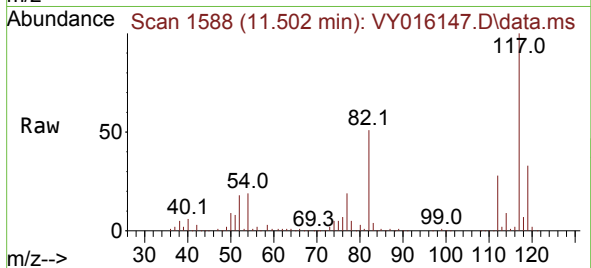
Tgt Ion:117 Resp: 256642

Ion Ratio Lower Upper

117 100

82 51.4 43.4 65.0

119 32.9 26.3 39.5



#64

Tetrachloroethene

Concen: 140.154 ug/l

RT: 10.727 min Scan# 1461

Delta R.T. -0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Tgt Ion:164 Resp: 319944

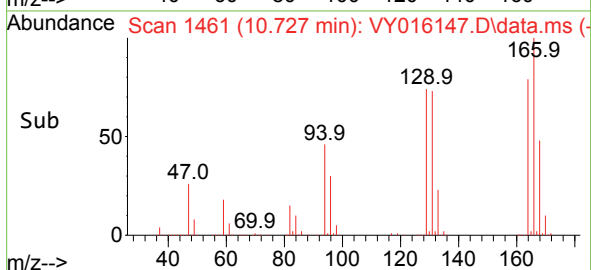
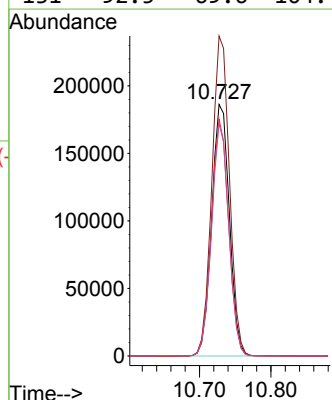
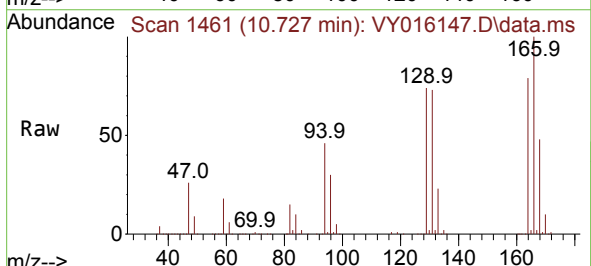
Ion Ratio Lower Upper

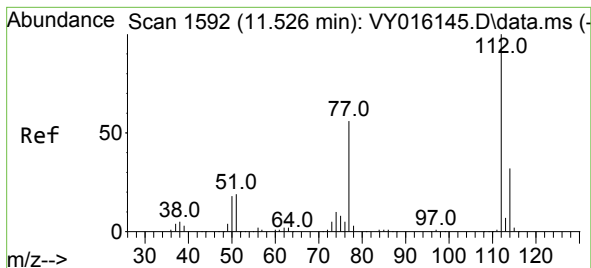
164 100

166 127.2 103.0 154.6

129 94.1 77.2 115.8

131 92.5 69.6 104.4

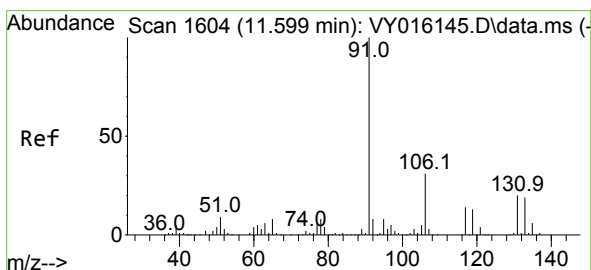
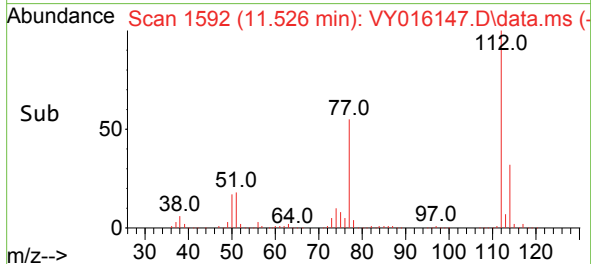
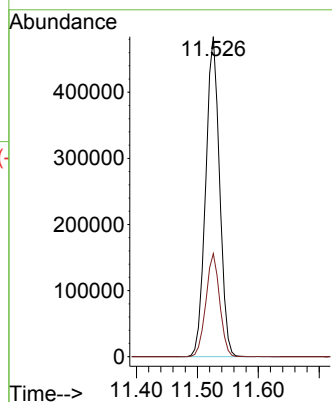
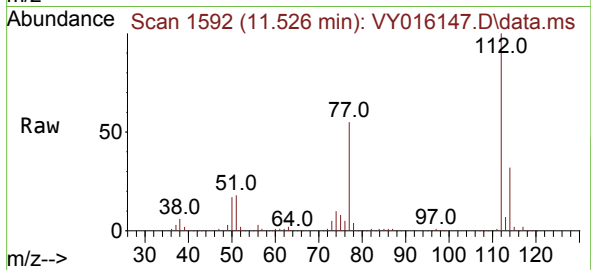




#65  
Chlorobenzene  
Concen: 150.460 ug/l  
RT: 11.526 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

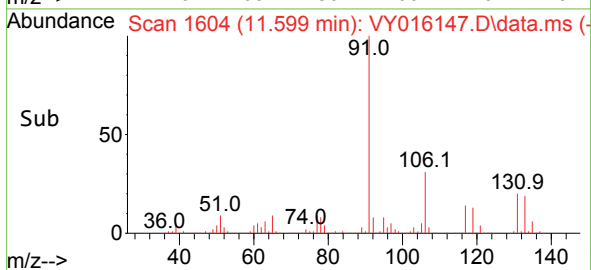
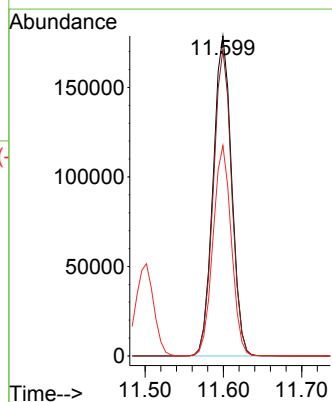
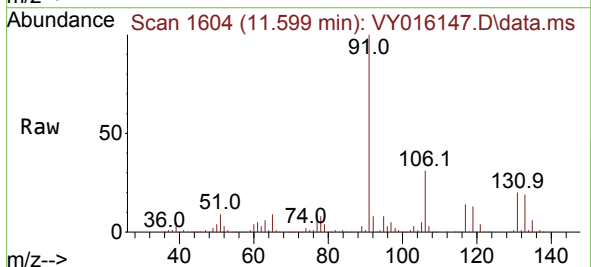
Instrument :  
MSVOA\_Y  
ClientSampleId :

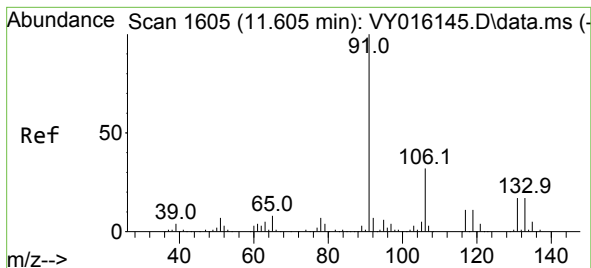
Tgt Ion:112 Resp: 767178  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 155.574 ug/l  
RT: 11.599 min Scan# 1604  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion:131 Resp: 293813  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.5 142.6  
119 65.0 31.6 94.7





#67

Ethyl Benzene

Concen: 153.067 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

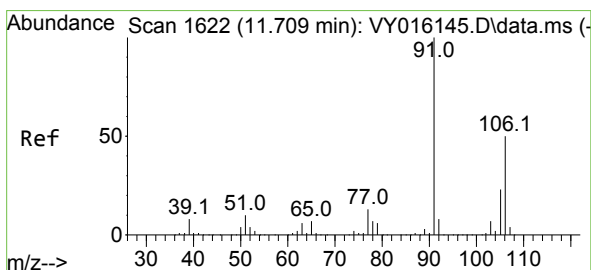
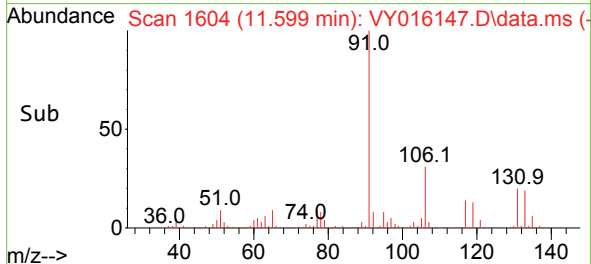
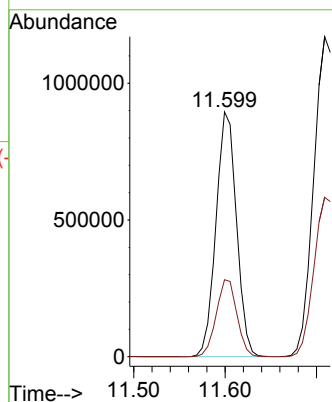
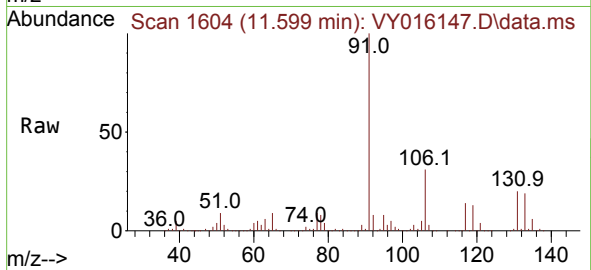
ClientSampleId :

Tgt Ion: 91 Resp: 1395957

Ion Ratio Lower Upper

91 100

106 31.4 24.6 36.8



#68

m/p-Xylenes

Concen: 305.811 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.000 min

Lab File: VY016147.D

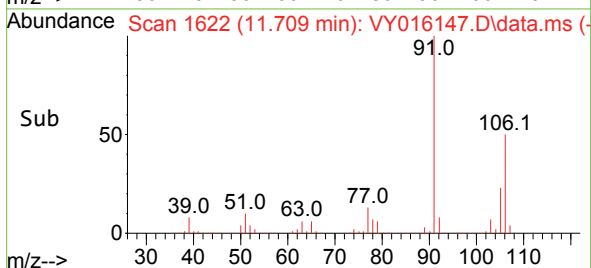
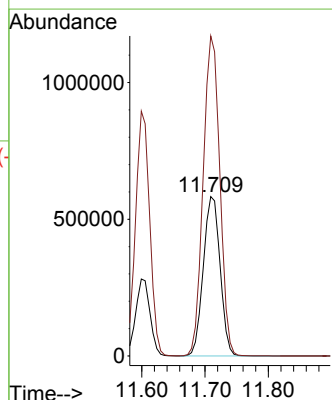
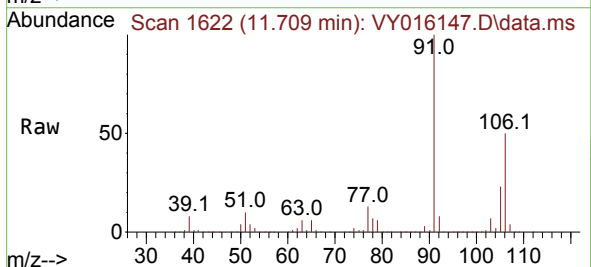
Acq: 31 Oct 2023 14:40

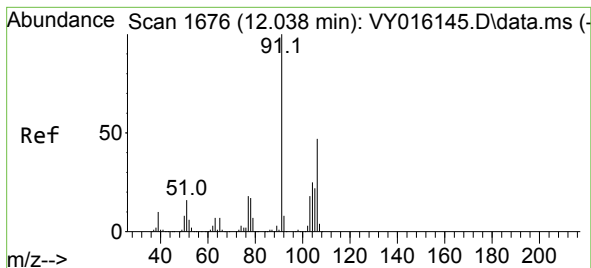
Tgt Ion:106 Resp: 1077705

Ion Ratio Lower Upper

106 100

91 199.2 166.1 249.1





#69

o-Xylene

Concen: 154.604 ug/l

RT: 12.038 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

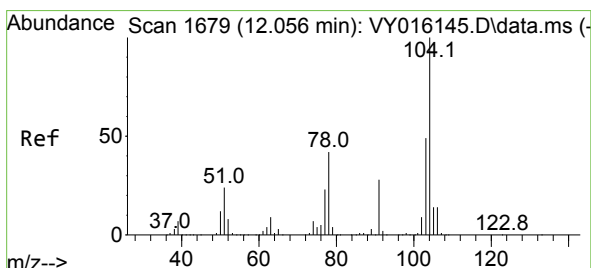
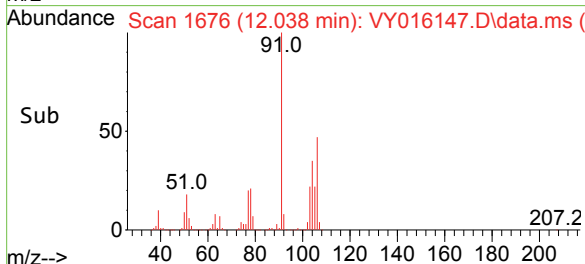
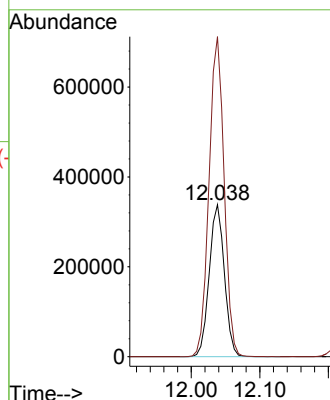
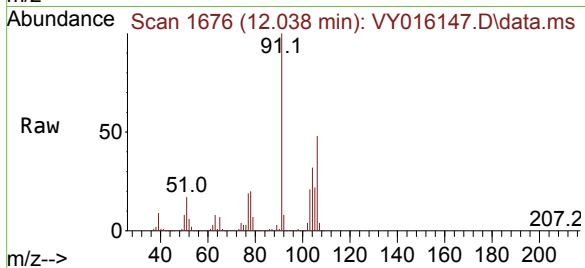
ClientSampleId :

Tgt Ion:106 Resp: 520204

Ion Ratio Lower Upper

106 100

91 209.8 108.1 324.3



#70

Styrene

Concen: 155.395 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

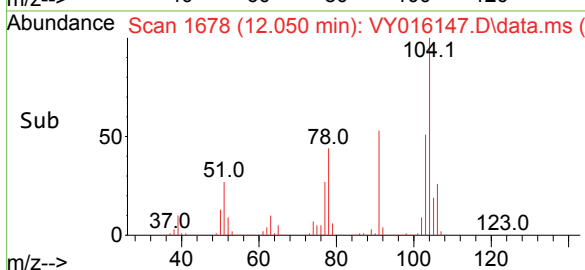
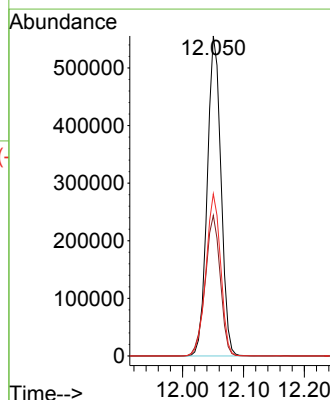
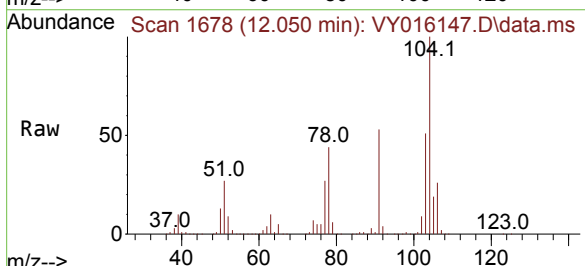
Tgt Ion:104 Resp: 869218

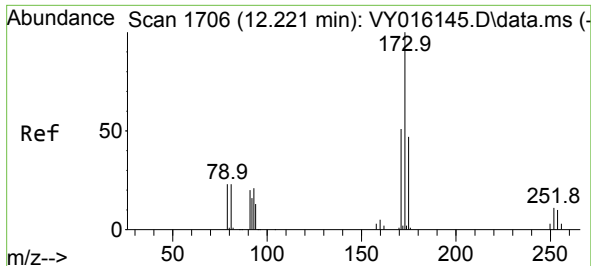
Ion Ratio Lower Upper

104 100

78 48.0 41.5 62.3

103 54.3 44.6 67.0

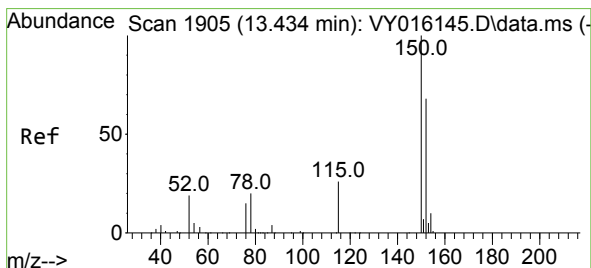
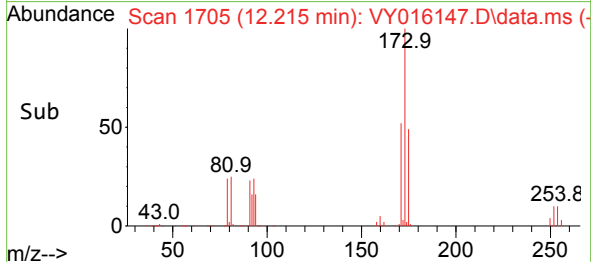
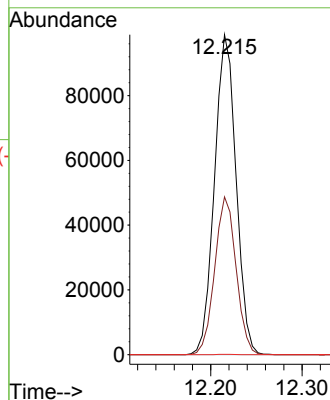
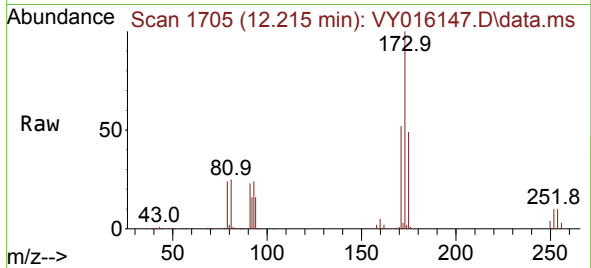




#71  
Bromoform  
Concen: 154.756 ug/l  
RT: 12.215 min Scan# 1705  
Delta R.T. -0.006 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

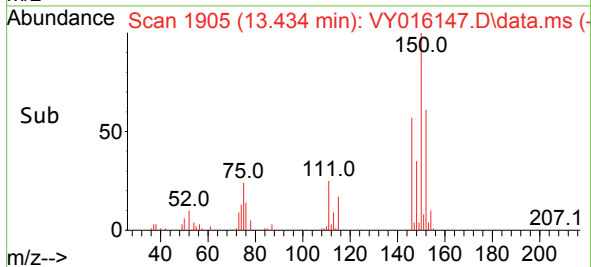
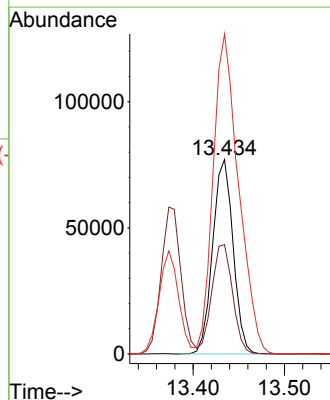
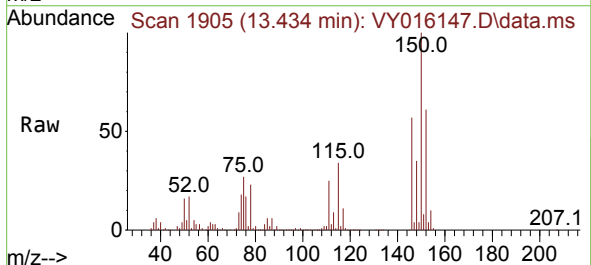
Instrument :  
MSVOA\_Y  
ClientSampleId :

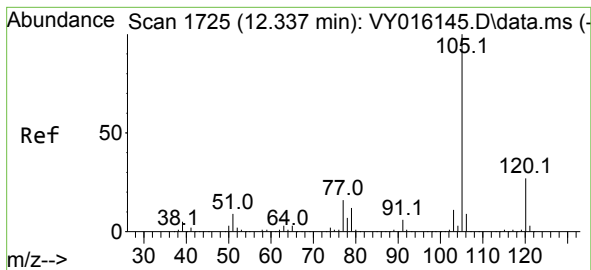
Tgt Ion:173 Resp: 162138  
Ion Ratio Lower Upper  
173 100  
175 48.9 24.6 73.8  
254 0.1 0.2 0.2#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion:152 Resp: 119898  
Ion Ratio Lower Upper  
152 100  
115 57.5 28.8 86.5  
150 205.5 0.0 348.8





#73

Isopropylbenzene

Concen: 152.587 ug/l

RT: 12.337 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

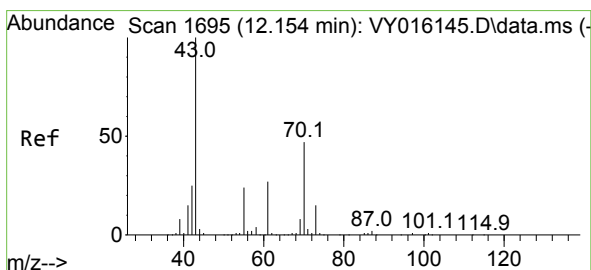
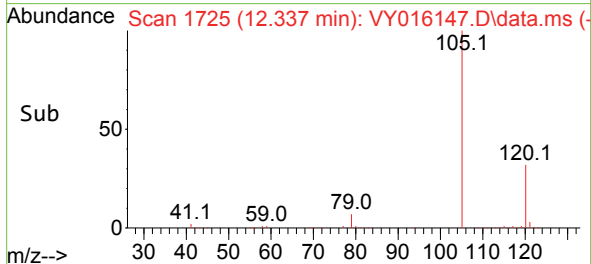
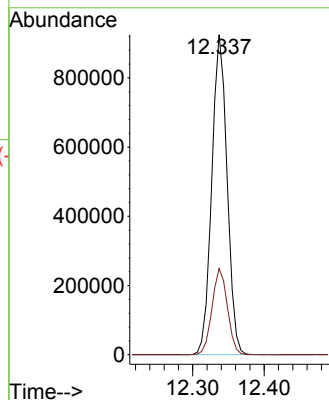
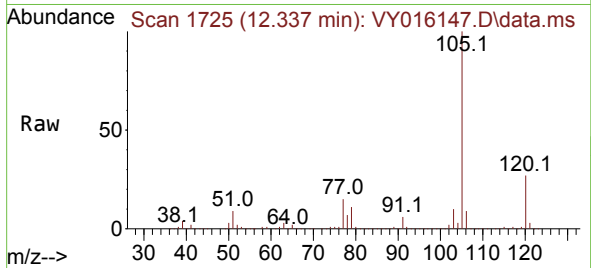
ClientSampleId :

Tgt Ion:105 Resp: 1372338

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



#74

N-ethyl acetate

Concen: 157.316 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. -0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Tgt Ion: 43 Resp: 307463

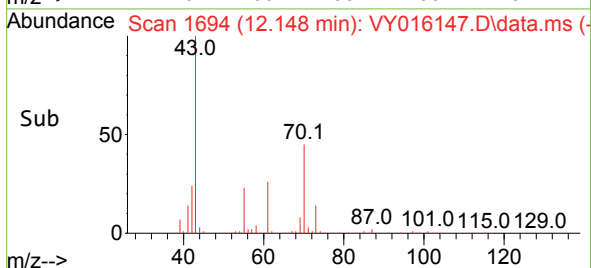
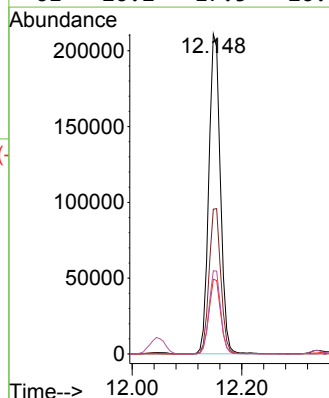
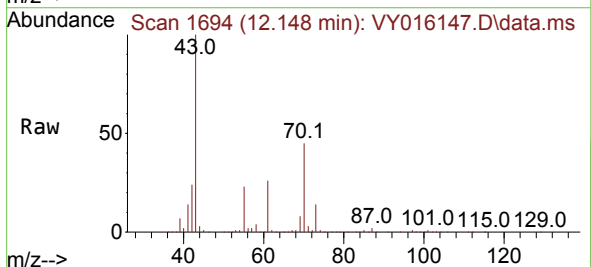
Ion Ratio Lower Upper

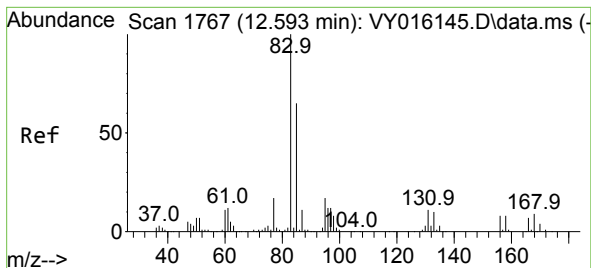
43 100

70 46.3 29.7 44.5#

55 23.8 18.3 27.5

61 26.2 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 154.972 ug/l

RT: 12.587 min Scan# 1766

Delta R.T. -0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

ClientSampleId :

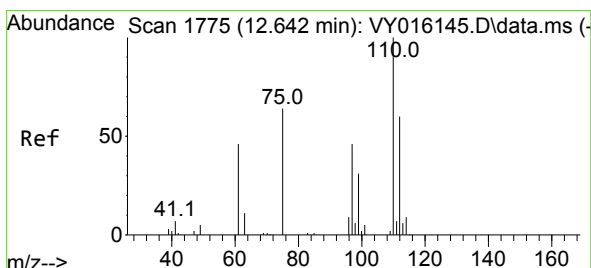
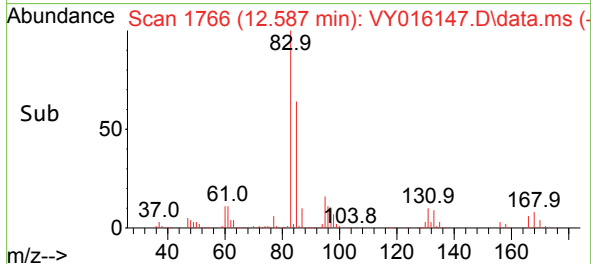
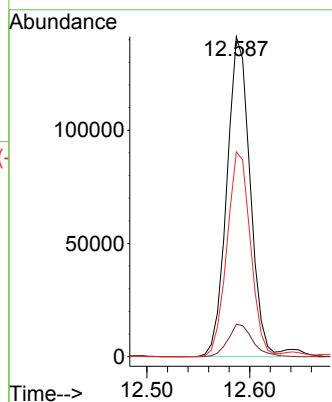
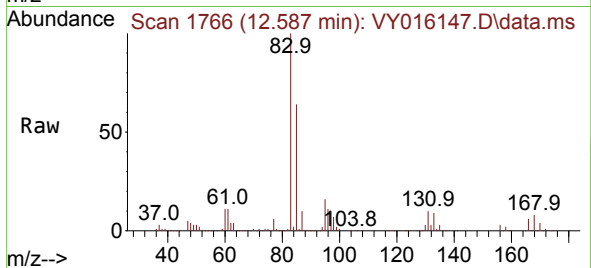
Tgt Ion: 83 Resp: 221788

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

85 65.1 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 240.138 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VY016147.D

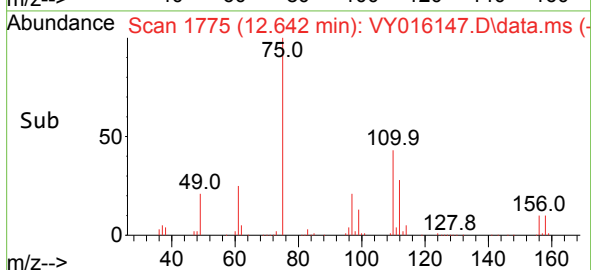
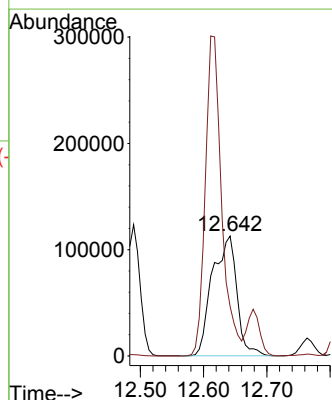
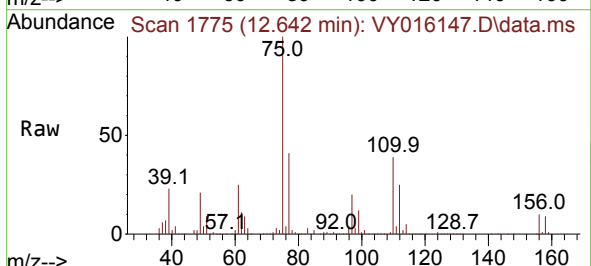
Acq: 31 Oct 2023 14:40

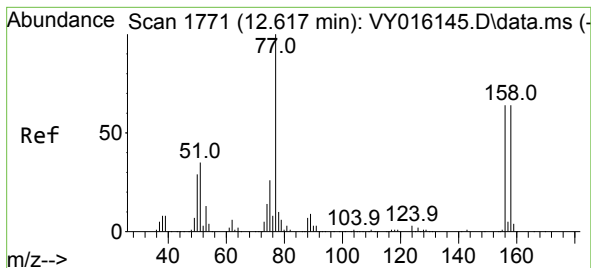
Tgt Ion: 75 Resp: 303831

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 153.154 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

ClientSampleId :

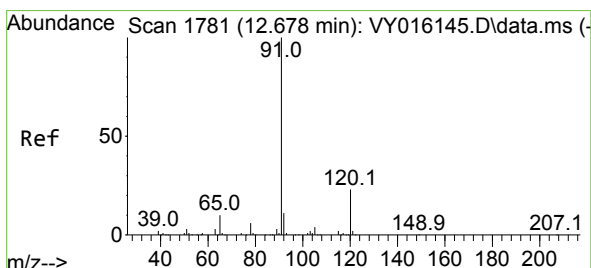
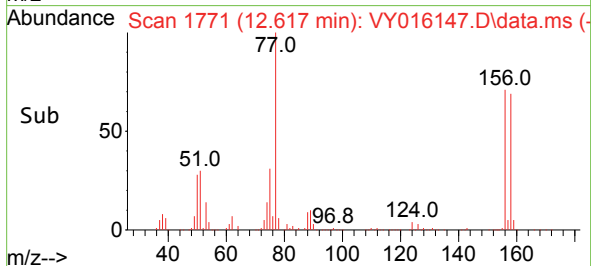
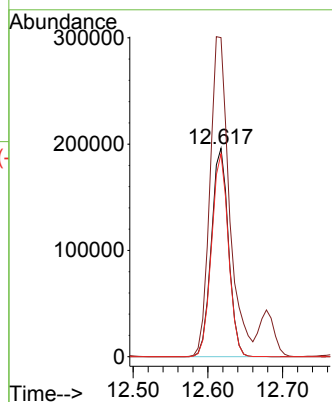
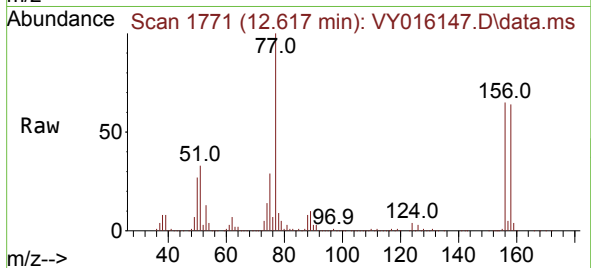
Tgt Ion:156 Resp: 311899

Ion Ratio Lower Upper

156 100

77 174.4 92.8 278.6

158 96.2 48.4 145.3



#78

n-propylbenzene

Concen: 149.850 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.000 min

Lab File: VY016147.D

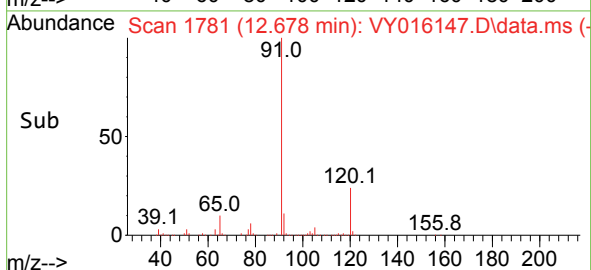
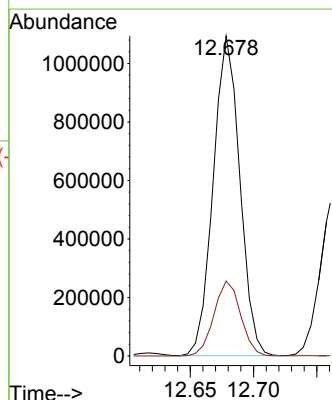
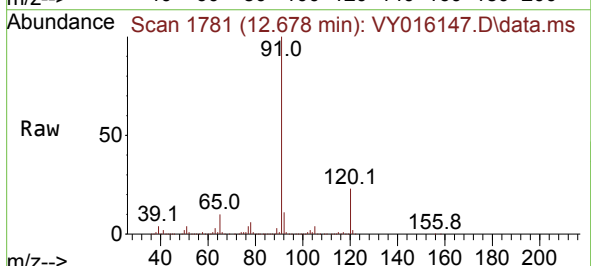
Acq: 31 Oct 2023 14:40

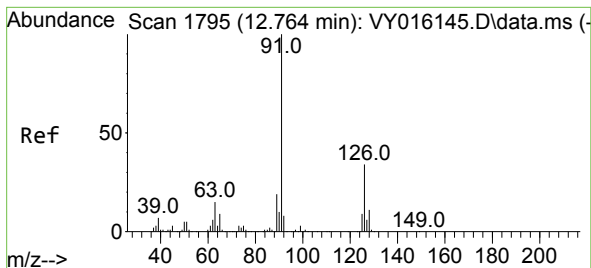
Tgt Ion: 91 Resp: 1593376

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.4





#79

2-Chlorotoluene

Concen: 150.760 ug/l

RT: 12.764 min Scan# 1795

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

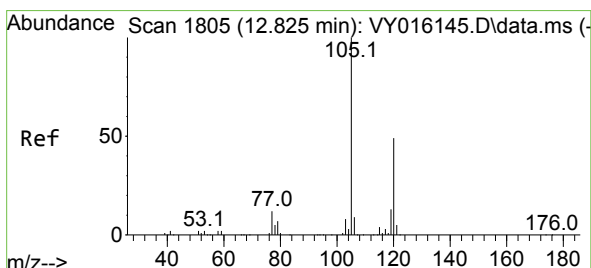
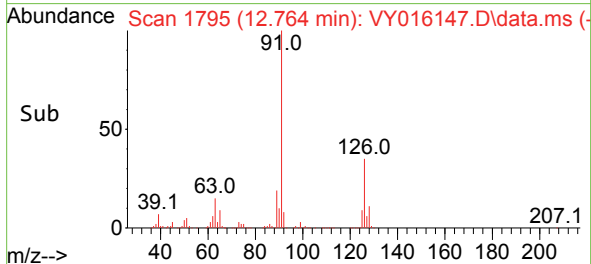
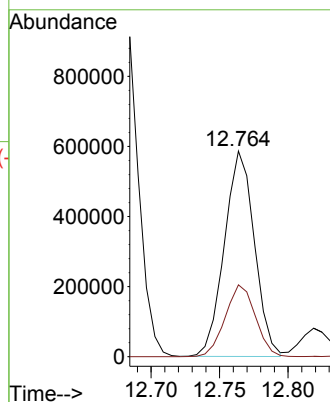
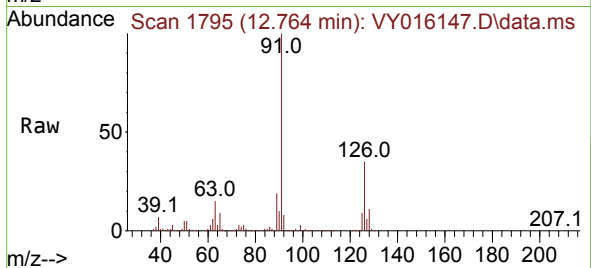
ClientSampleId :

Tgt Ion: 91 Resp: 894090

Ion Ratio Lower Upper

91 100

126 35.2 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 149.771 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VY016147.D

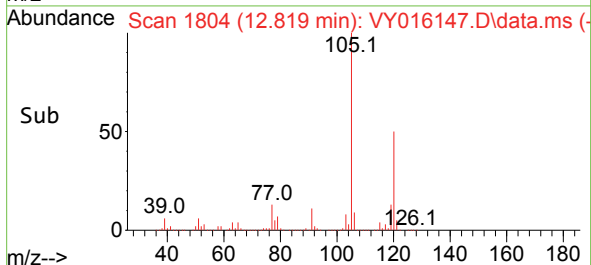
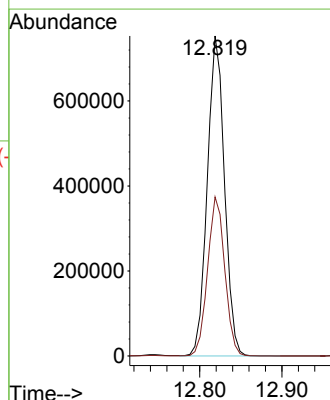
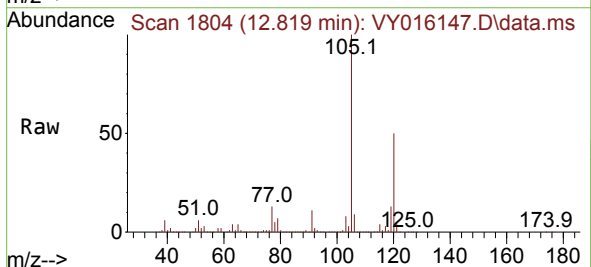
Acq: 31 Oct 2023 14:40

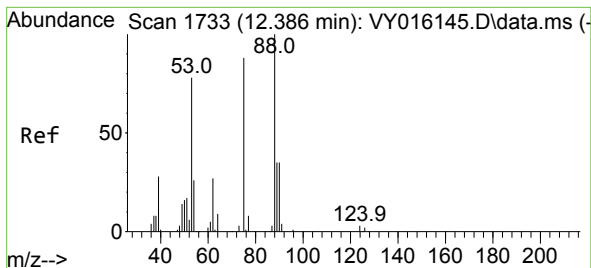
Tgt Ion: 105 Resp: 1091309

Ion Ratio Lower Upper

105 100

120 49.7 23.9 71.7

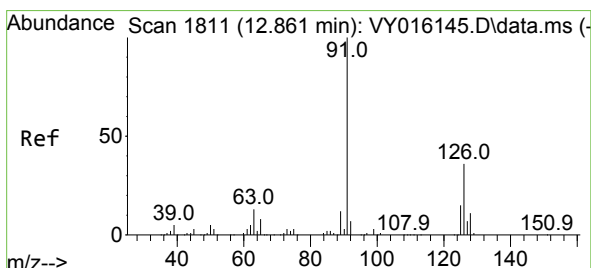
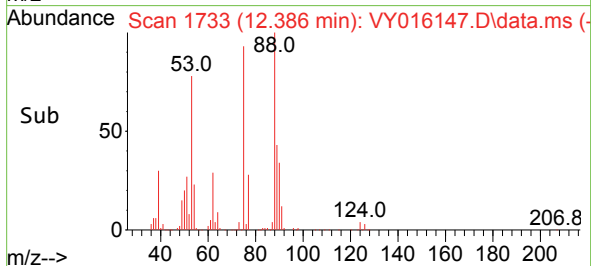
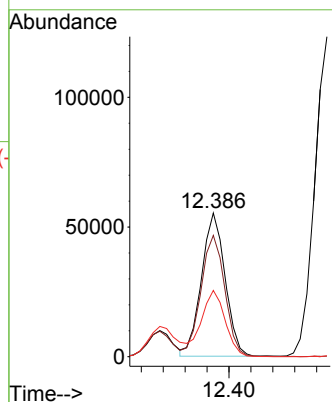
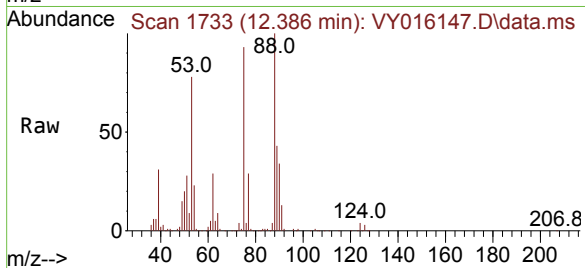




#81  
trans-1,4-Dichloro-2-butene  
Concen: 159.000 ug/l  
RT: 12.386 min Scan# 1733  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

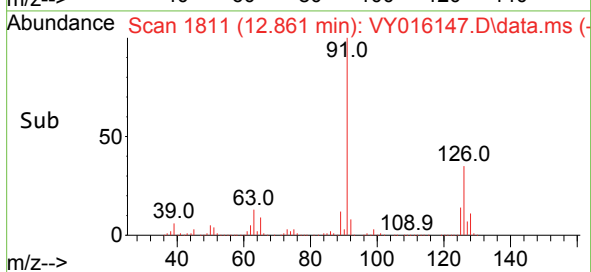
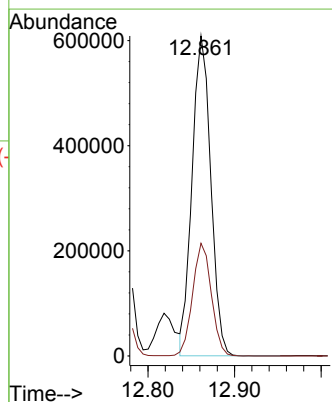
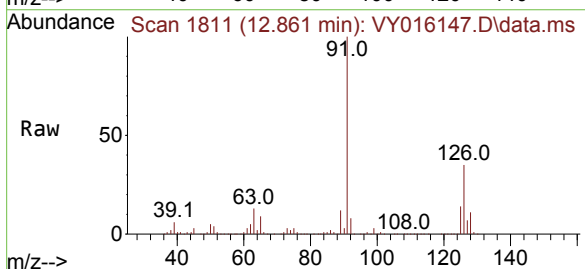
Instrument :  
MSVOA\_Y  
ClientSampleId :

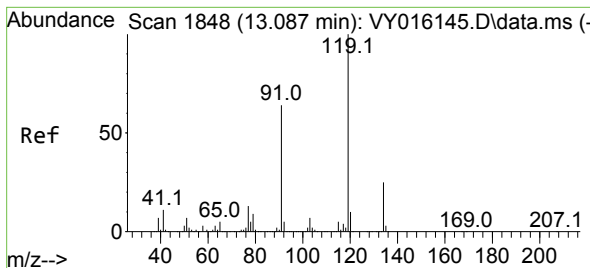
Tgt Ion: 75 Resp: 82798  
Ion Ratio Lower Upper  
75 100  
53 86.3 77.8 116.8  
89 46.5 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 149.585 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

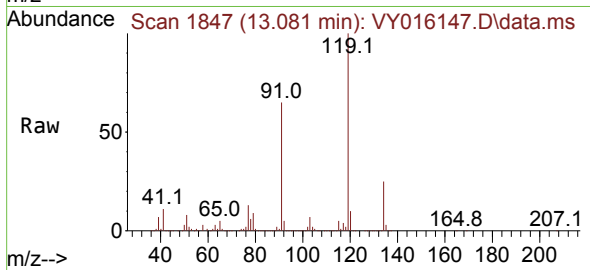
Tgt Ion: 91 Resp: 910958  
Ion Ratio Lower Upper  
91 100  
126 35.5 17.2 51.6



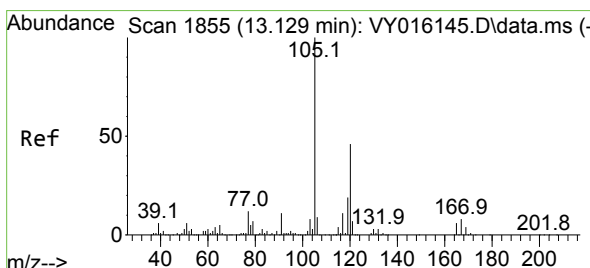
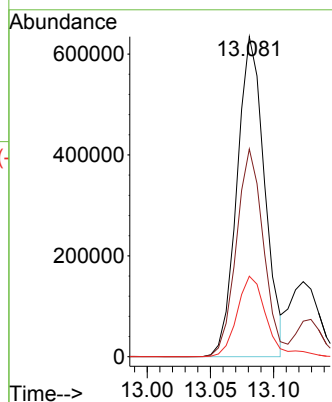
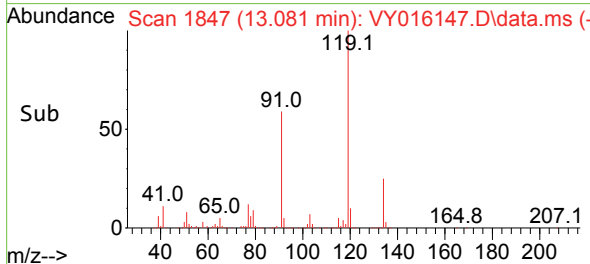


#83  
 tert-Butylbenzene  
 Concen: 147.831 ug/l  
 RT: 13.081 min Scan# 119  
 Delta R.T. -0.006 min  
 Lab File: VY016147.D  
 Acq: 31 Oct 2023 14:40

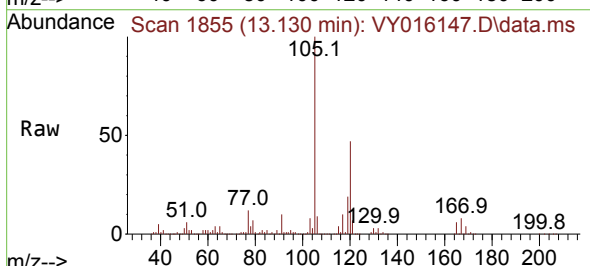
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



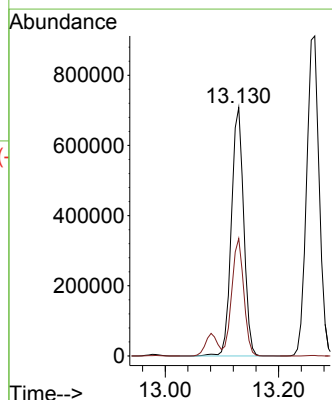
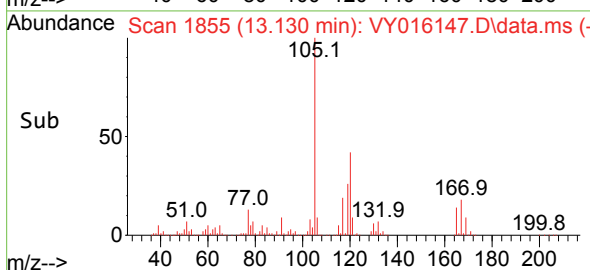
Tgt Ion:119 Resp: 963812  
 Ion Ratio Lower Upper  
 119 100  
 91 64.3 32.9 98.6  
 134 26.8 13.0 38.9

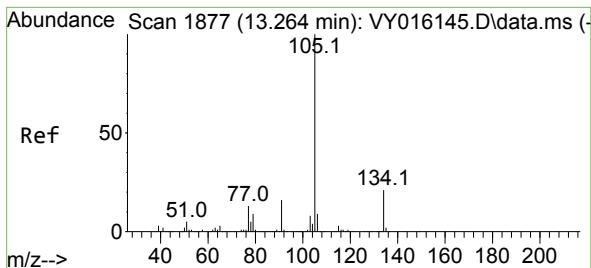


#84  
 1,2,4-Trimethylbenzene  
 Concen: 147.892 ug/l  
 RT: 13.130 min Scan# 1855  
 Delta R.T. 0.000 min  
 Lab File: VY016147.D  
 Acq: 31 Oct 2023 14:40



Tgt Ion:105 Resp: 1066308  
 Ion Ratio Lower Upper  
 105 100  
 120 46.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 146.516 ug/l

RT: 13.264 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

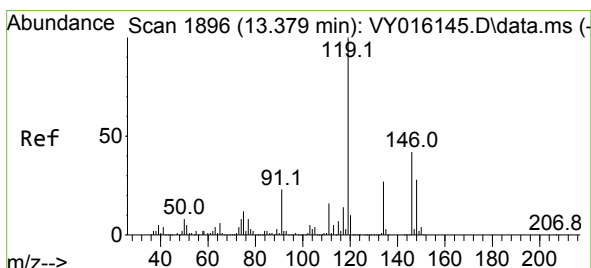
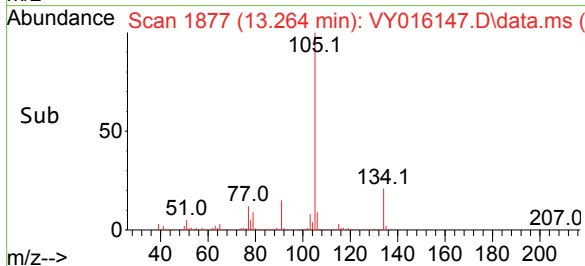
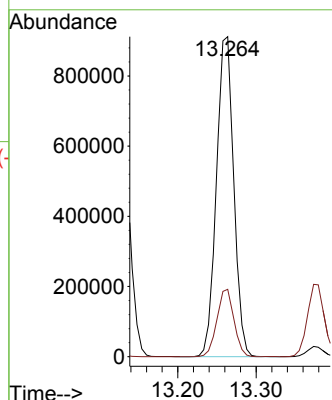
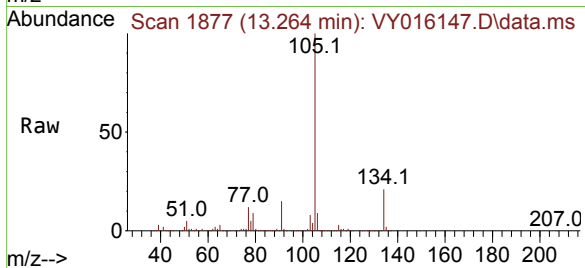
ClientSampleId :

Tgt Ion:105 Resp: 1402027

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6



#86

p-Isopropyltoluene

Concen: 145.750 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

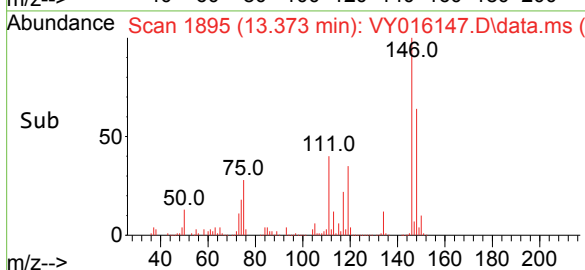
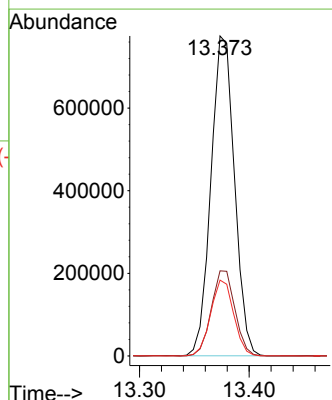
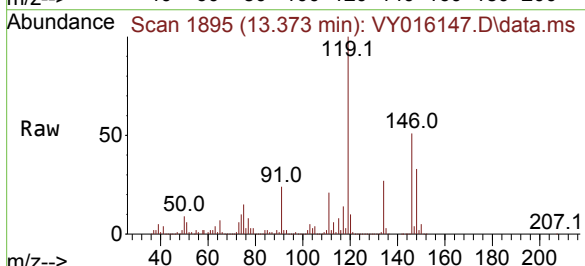
Tgt Ion:119 Resp: 1155913

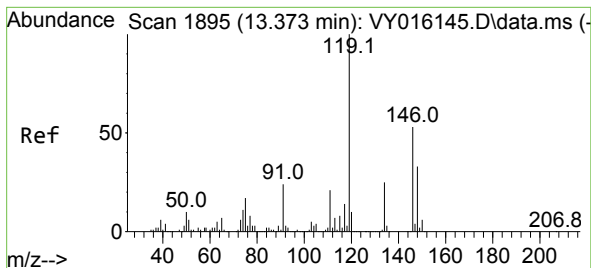
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 23.2 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 147.909 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

ClientSampleId :

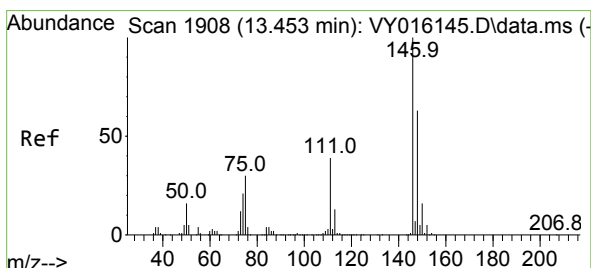
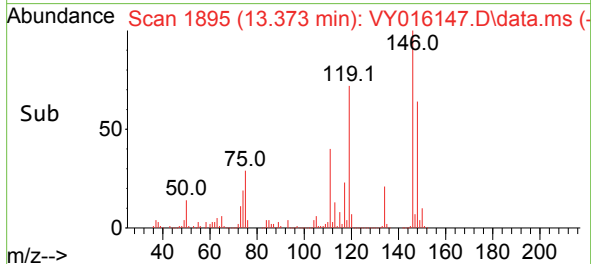
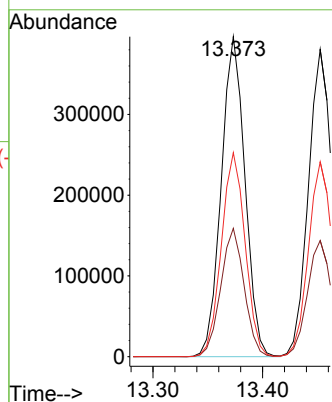
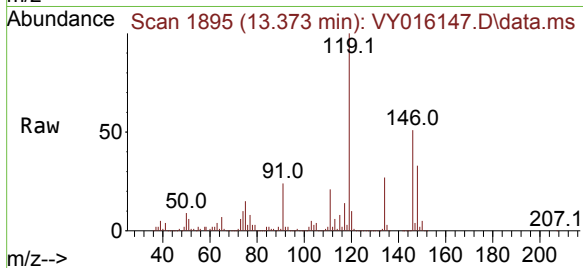
Tgt Ion:146 Resp: 595725

Ion Ratio Lower Upper

146 100

111 39.5 19.4 58.2

148 63.9 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 145.271 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

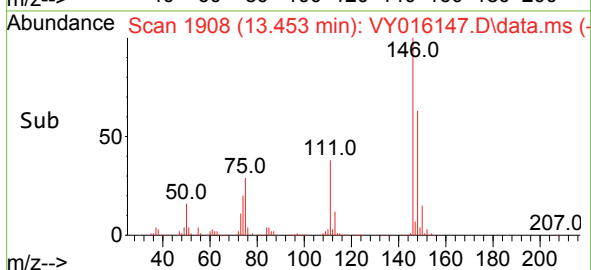
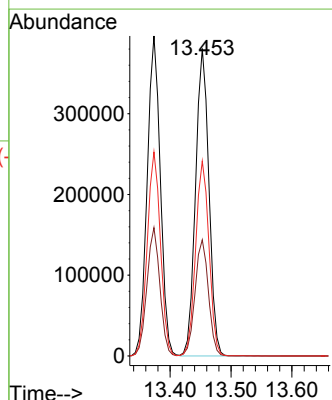
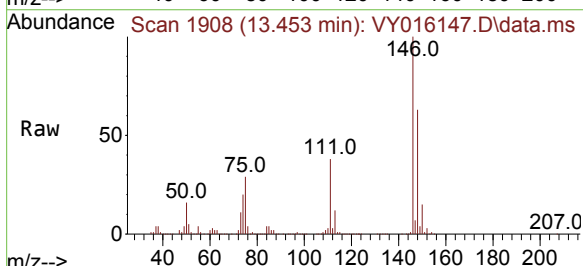
Tgt Ion:146 Resp: 578291

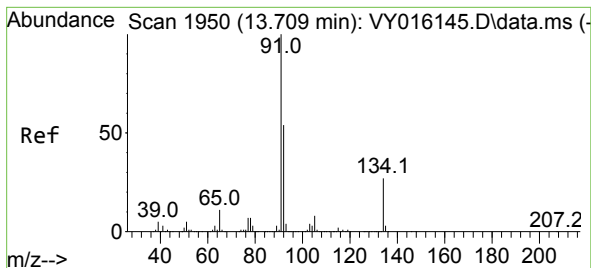
Ion Ratio Lower Upper

146 100

111 37.8 18.9 56.7

148 63.6 32.1 96.5





#89

n-Butylbenzene

Concen: 141.696 ug/l

RT: 13.703 min Scan# 1950

Delta R.T. -0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

ClientSampleId :

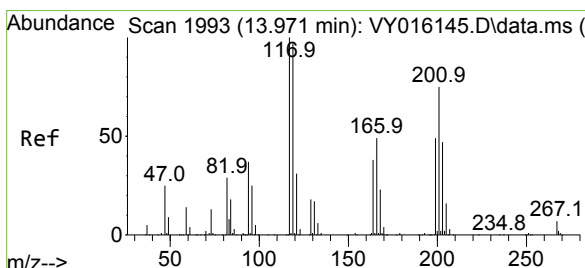
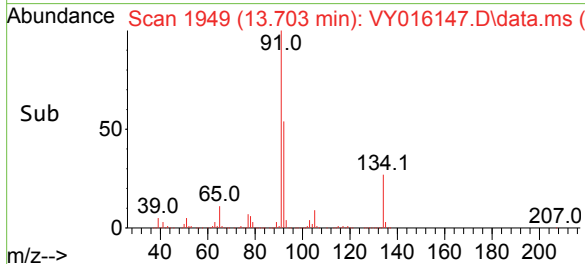
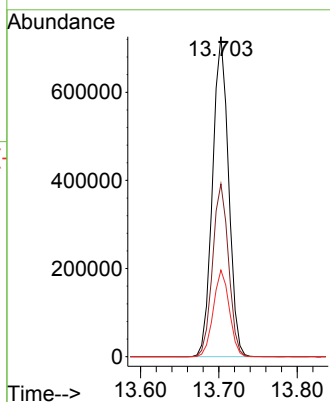
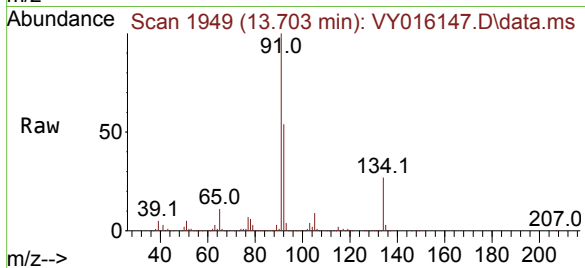
Tgt Ion: 91 Resp: 1032562

Ion Ratio Lower Upper

91 100

92 53.8 25.4 76.0

134 26.9 12.6 37.6



#90

Hexachloroethane

Concen: 157.373 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. -0.006 min

Lab File: VY016147.D

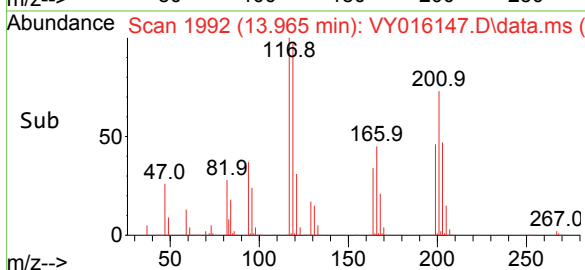
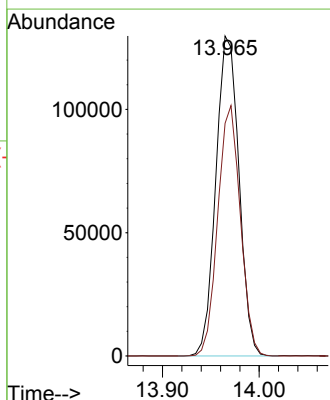
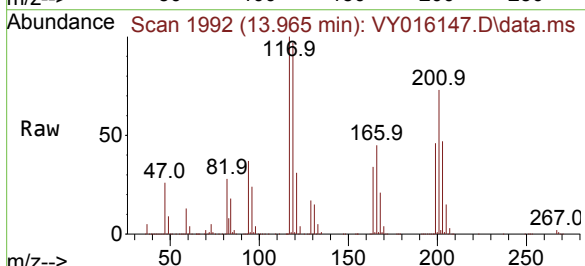
Acq: 31 Oct 2023 14:40

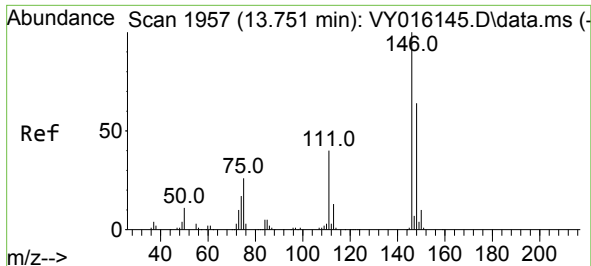
Tgt Ion: 117 Resp: 215083

Ion Ratio Lower Upper

117 100

201 76.5 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 146.775 ug/l

RT: 13.745 min Scan# 1956

Delta R.T. -0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

ClientSampleId :

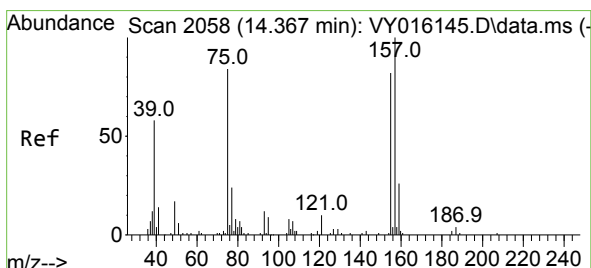
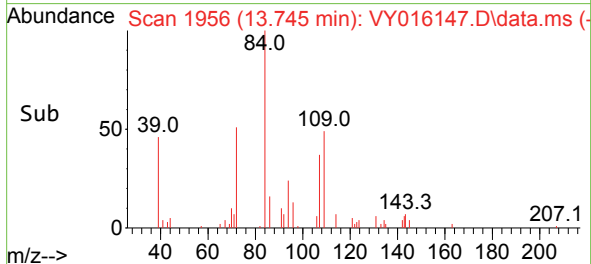
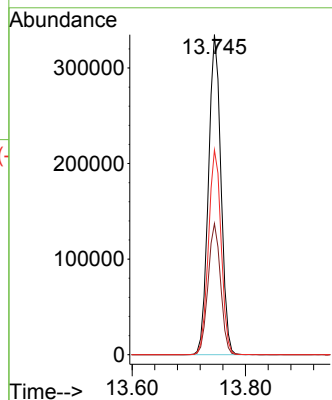
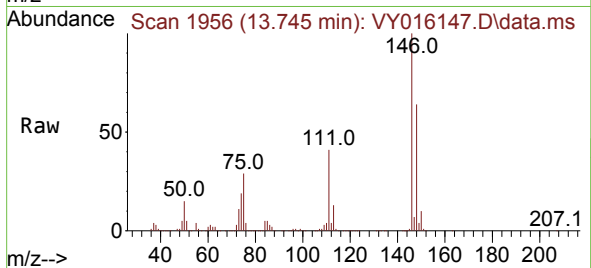
Tgt Ion:146 Resp: 510767

Ion Ratio Lower Upper

146 100

111 41.1 19.7 59.0

148 64.6 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 142.028 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. -0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

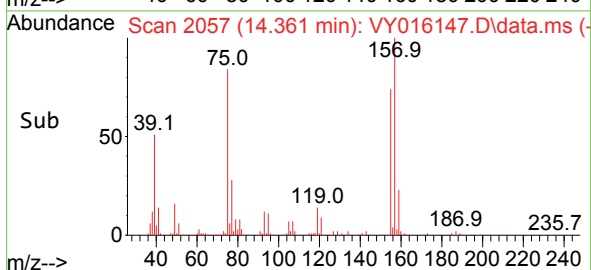
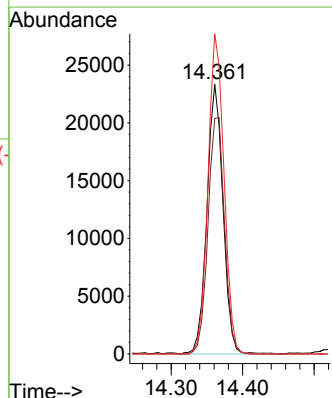
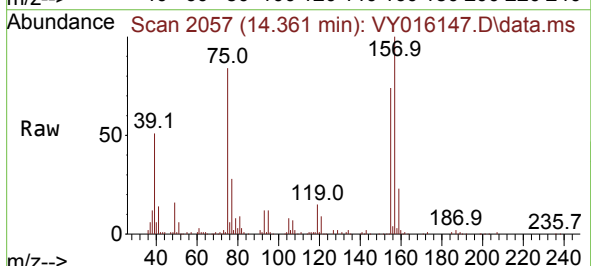
Tgt Ion: 75 Resp: 36377

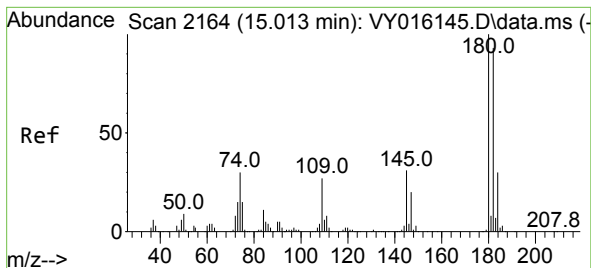
Ion Ratio Lower Upper

75 100

155 90.3 41.5 124.6

157 118.0 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 135.097 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

Instrument :

MSVOA\_Y

ClientSampleId :

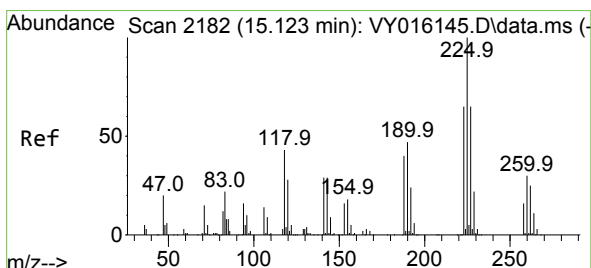
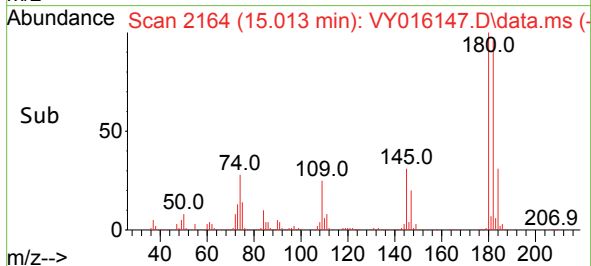
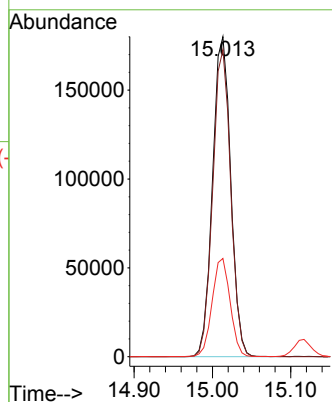
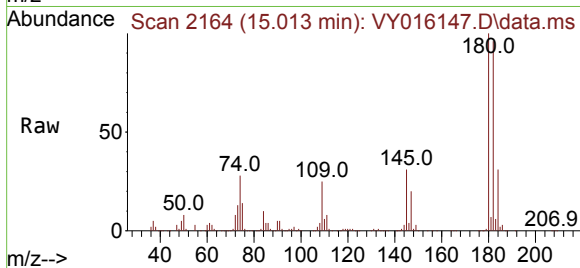
Tgt Ion:180 Resp: 290169

Ion Ratio Lower Upper

180 100

182 94.9 47.0 141.2

145 30.5 14.5 43.5



#94

Hexachlorobutadiene

Concen: 128.039 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. -0.006 min

Lab File: VY016147.D

Acq: 31 Oct 2023 14:40

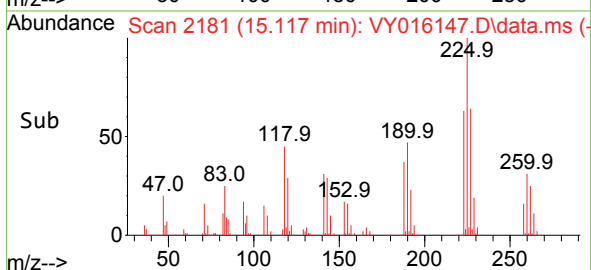
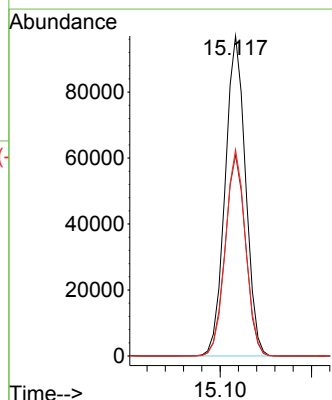
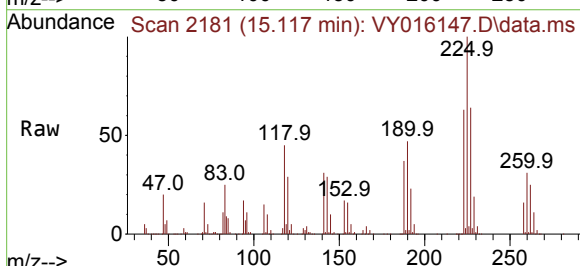
Tgt Ion:225 Resp: 150279

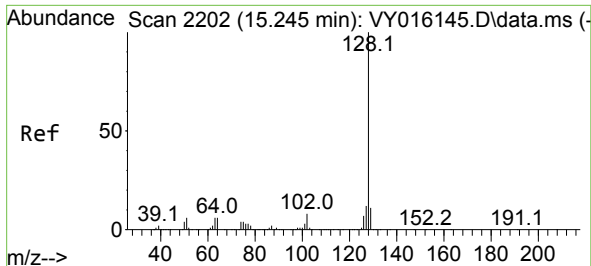
Ion Ratio Lower Upper

225 100

223 63.0 31.9 95.9

227 63.7 33.0 98.9

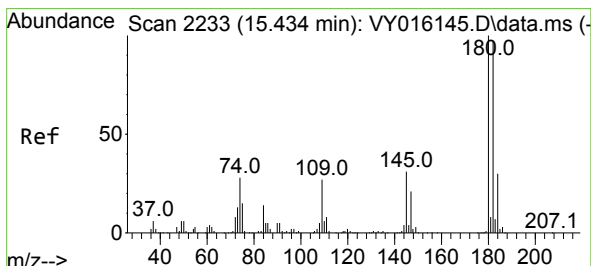
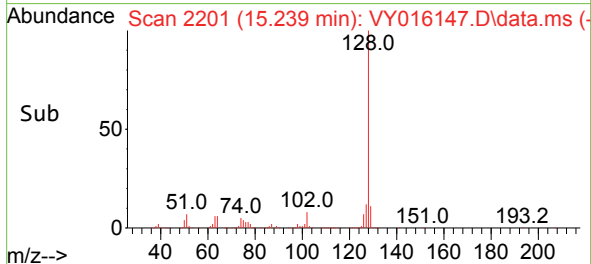
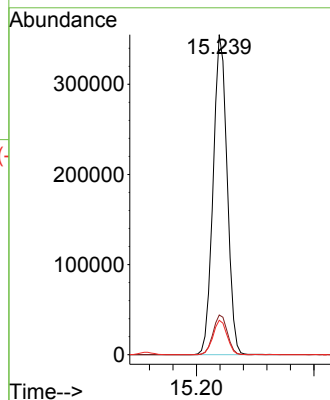
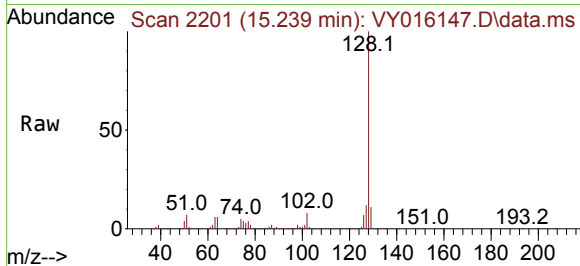




#95  
Naphthalene  
Concen: 140.317 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:128 Resp: 585493  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.8 16.2  
129 10.9 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 133.064 ug/l  
RT: 15.428 min Scan# 2232  
Delta R.T. -0.006 min  
Lab File: VY016147.D  
Acq: 31 Oct 2023 14:40

Tgt Ion:180 Resp: 244144  
Ion Ratio Lower Upper  
180 100  
182 95.6 47.3 141.8  
145 32.6 15.4 46.2

