

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091324\  
 Data File : VY019534.D  
 Acq On : 13 Sep 2024 11:53  
 Operator : SY/MD  
 Sample : VY0913SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0913SBS01

Quant Time: Sep 13 23:29:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 437933   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 754559   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 632207   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 294349   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 203962   | 50.297   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 100.600% |      |
| 35) Dibromofluoromethane    | 7.634  | 113   | 204862   | 47.885   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 95.760%  |      |
| 50) Toluene-d8              | 10.103 | 98    | 761612   | 48.130   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 96.260%  |      |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 268680   | 44.158   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 88.320%  |      |

|                              |       |     |        |         |      |      |
|------------------------------|-------|-----|--------|---------|------|------|
| Target Compounds             |       |     |        | Qvalue  |      |      |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 60054  | 22.867  | ug/l | 98   |
| 3) Chloromethane             | 2.074 | 50  | 70946  | 19.581  | ug/l | 98   |
| 4) Vinyl Chloride            | 2.202 | 62  | 82600  | 21.083  | ug/l | 97   |
| 5) Bromomethane              | 2.592 | 94  | 56442  | 23.453  | ug/l | 97   |
| 6) Chloroethane              | 2.733 | 64  | 55712  | 21.752  | ug/l | 98   |
| 7) Trichlorofluoromethane    | 3.056 | 101 | 138152 | 21.153  | ug/l | 95   |
| 8) Diethyl Ether             | 3.452 | 74  | 42697  | 19.476  | ug/l | 91   |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 81752  | 20.235  | ug/l | 97   |
| 10) Methyl Iodide            | 4.001 | 142 | 94120  | 18.170  | ug/l | 92   |
| 11) Tert butyl alcohol       | 4.854 | 59  | 33417  | 102.041 | ug/l | # 78 |
| 12) 1,1-Dichloroethene       | 3.781 | 96  | 73616  | 18.947  | ug/l | 89   |
| 13) Acrolein                 | 3.647 | 56  | 23646  | 143.903 | ug/l | 97   |
| 14) Allyl chloride           | 4.379 | 41  | 127843 | 18.348  | ug/l | # 93 |
| 15) Acrylonitrile            | 5.049 | 53  | 93234  | 98.632  | ug/l | 98   |
| 16) Acetone                  | 3.867 | 43  | 93960  | 97.259  | ug/l | # 87 |
| 17) Carbon Disulfide         | 4.104 | 76  | 177992 | 16.955  | ug/l | 98   |
| 18) Methyl Acetate           | 4.385 | 43  | 48340  | 18.438  | ug/l | # 89 |
| 19) Methyl tert-butyl Ether  | 5.110 | 73  | 215878 | 19.617  | ug/l | 100  |
| 20) Methylene Chloride       | 4.610 | 84  | 92673  | 21.034  | ug/l | 88   |
| 21) trans-1,2-Dichloroethene | 5.110 | 96  | 80624  | 18.931  | ug/l | 95   |
| 22) Diisopropyl ether        | 6.013 | 45  | 275389 | 19.247  | ug/l | 91   |
| 23) Vinyl Acetate            | 5.952 | 43  | 789274 | 96.573  | ug/l | 94   |
| 24) 1,1-Dichloroethane       | 5.909 | 63  | 155349 | 19.348  | ug/l | 98   |
| 25) 2-Butanone               | 6.890 | 43  | 131263 | 95.532  | ug/l | 89   |
| 26) 2,2-Dichloropropane      | 6.878 | 77  | 142415 | 19.664  | ug/l | 97   |
| 27) cis-1,2-Dichloroethene   | 6.884 | 96  | 101133 | 19.549  | ug/l | 89   |
| 28) Bromochloromethane       | 7.238 | 49  | 68772  | 20.357  | ug/l | 87   |
| 29) Tetrahydrofuran          | 7.262 | 42  | 78766  | 94.283  | ug/l | 88   |
| 30) Chloroform               | 7.415 | 83  | 167046 | 20.381  | ug/l | 99   |
| 31) Cyclohexane              | 7.695 | 56  | 133554 | 18.402  | ug/l | 94   |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 148420 | 20.202  | ug/l | 97   |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 110826 | 19.038  | ug/l | 97   |
| 37) Ethyl Acetate            | 6.982 | 43  | 56247  | 18.857  | ug/l | 96   |
| 38) Carbon Tetrachloride     | 7.811 | 117 | 127500 | 19.422  | ug/l | 98   |
| 39) Methylcyclohexane        | 9.110 | 83  | 143361 | 18.505  | ug/l | 91   |
| 40) Benzene                  | 8.079 | 78  | 342616 | 19.108  | ug/l | 99   |

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 Sample : VY0913SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0913SBS01

Quant Time: Sep 13 23:29:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.214  | 41   | 31903    | 18.349  | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 8.159  | 62   | 96573    | 20.016  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 117728   | 18.787  | ug/l   | 93       |
| 44) Trichloroethene           | 8.866  | 130  | 87796    | 19.039  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 84005    | 19.164  | ug/l   | 97       |
| 46) Dibromomethane            | 9.231  | 93   | 47238    | 19.706  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.420  | 83   | 126000   | 19.554  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 52987    | 17.906  | ug/l   | 86       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 11093    | 393.099 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 295954   | 93.875  | ug/l   | 93       |
| 52) Toluene                   | 10.170 | 92   | 219138   | 19.003  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 121602   | 19.797  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 132706   | 18.554  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 63400    | 19.152  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.439 | 69   | 92220    | 18.339  | ug/l # | 78       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 108893   | 19.137  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 221306   | 94.821  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 215387   | 93.189  | ug/l   | 90       |
| 60) Dibromochloromethane      | 10.908 | 129  | 84521    | 19.301  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 58833    | 19.075  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.646 | 164  | 75314    | 19.238  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.445 | 112  | 242222   | 19.478  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 85101    | 19.765  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.518 | 91   | 437145   | 19.783  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 328221   | 39.283  | ug/l   | 95       |
| 69) o-Xylene                  | 11.951 | 106  | 158358   | 19.380  | ug/l   | 96       |
| 70) Styrene                   | 11.969 | 104  | 263286   | 19.084  | ug/l   | 96       |
| 71) Bromoform                 | 12.133 | 173  | 46850    | 19.050  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.255 | 105  | 422914   | 19.805  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 109255   | 18.812  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 75767    | 19.990  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 97516    | 35.346  | ug/l # | 100      |
| 77) Bromobenzene              | 12.530 | 156  | 91496    | 19.319  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.597 | 91   | 507361   | 20.046  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 290379   | 19.686  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 340528   | 19.616  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 24627    | 17.136  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 298720   | 19.699  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 320011   | 20.362  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 339434   | 19.753  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 460908   | 20.188  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 373468   | 19.994  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 184754   | 20.076  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 177644   | 19.451  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.615 | 91   | 354572   | 19.856  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 76240    | 19.616  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.658 | 146  | 157526   | 19.182  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 12321    | 19.505  | ug/l   | 78       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 88465    | 17.712  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 49394    | 18.512  | ug/l   | 97       |
| 95) Naphthalene               | 15.145 | 128  | 175971   | 17.593  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 75404    | 17.650  | ug/l   | 98       |

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Sample : VY0913SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Time: Sep 13 23:29:47 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 09 16:00:30 2024  
Response via : Initial Calibration

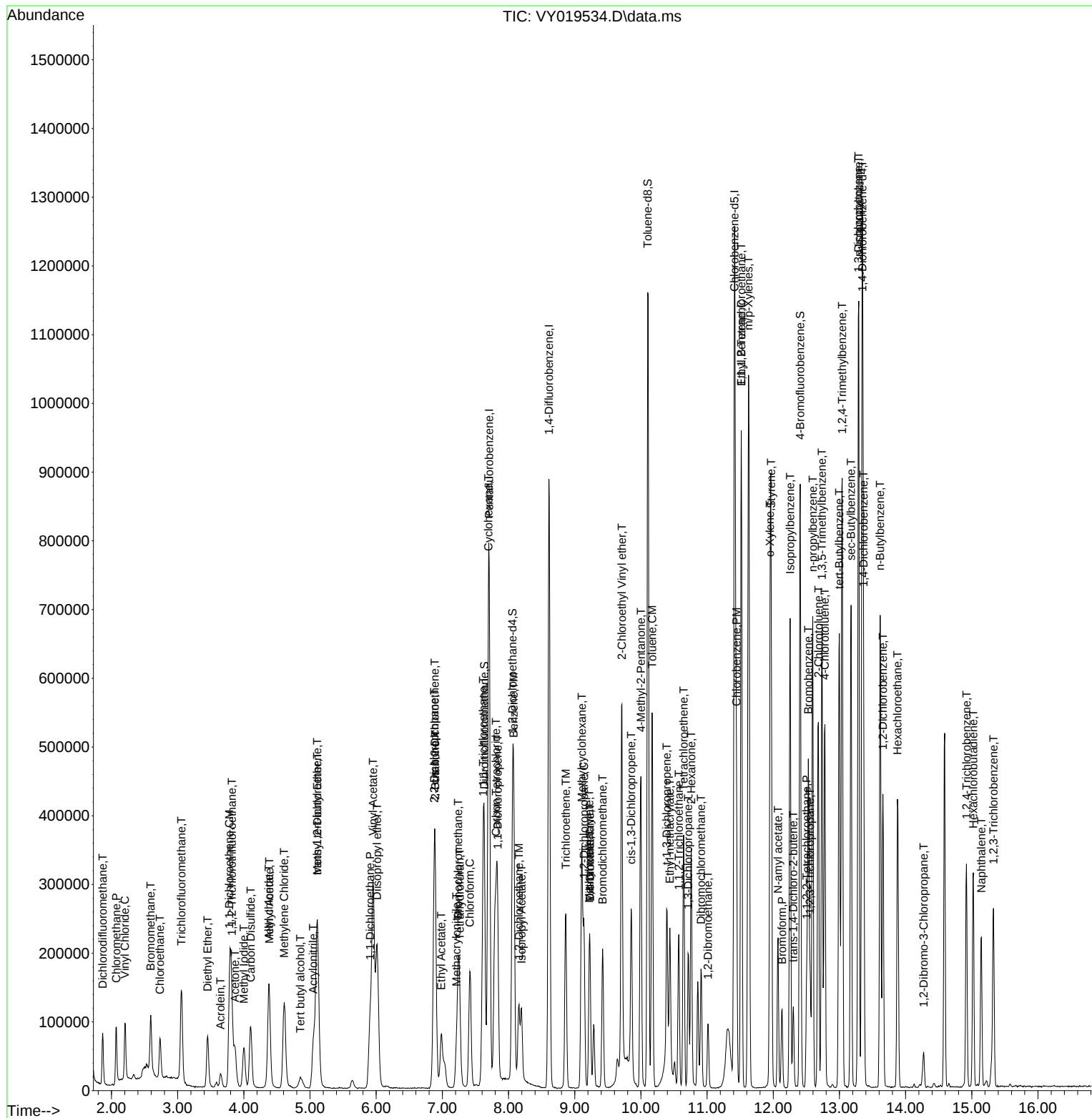
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

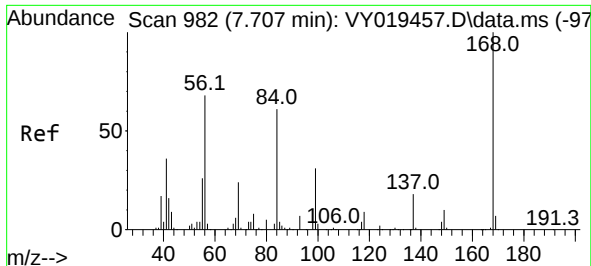
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 Sample : VY0913SBS01  
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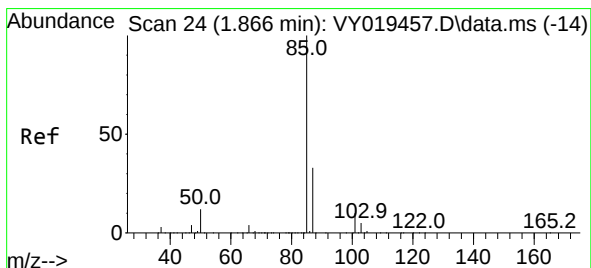
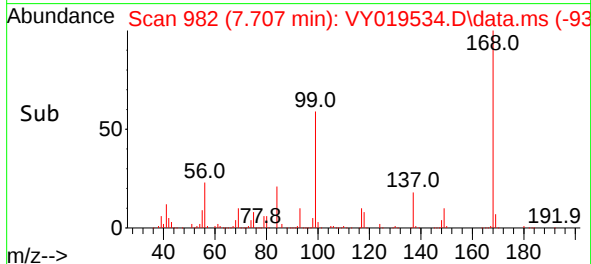
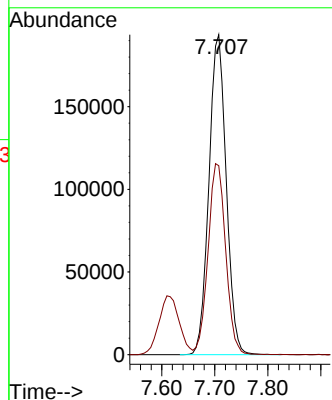
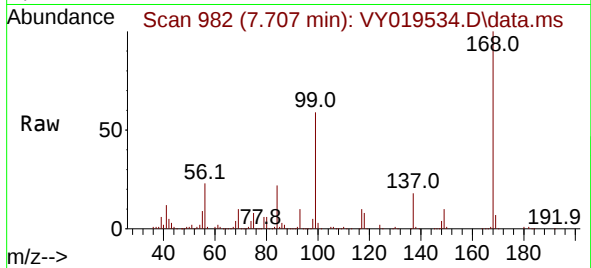




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

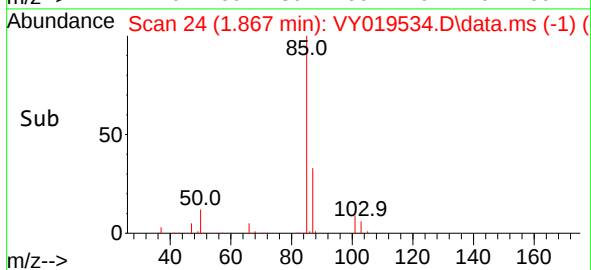
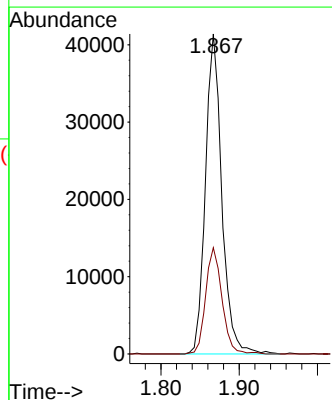
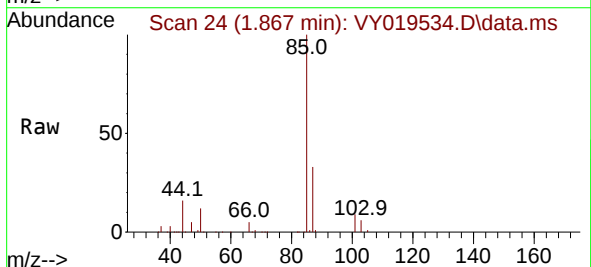
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

Tgt Ion:168 Resp: 437933  
Ion Ratio Lower Upper  
168 100  
99 58.9 39.1 58.7#



#2  
Dichlorodifluoromethane  
Concen: 22.867 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. 0.001 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 85 Resp: 60054  
Ion Ratio Lower Upper  
85 100  
87 33.2 16.0 48.0

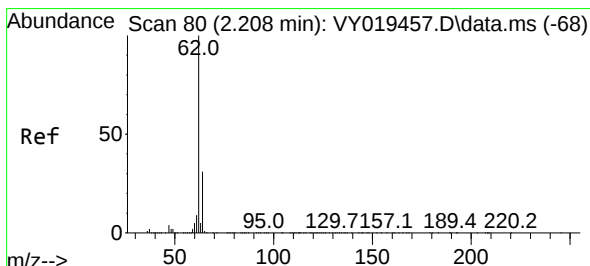
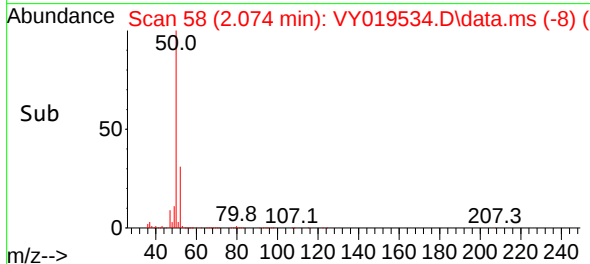
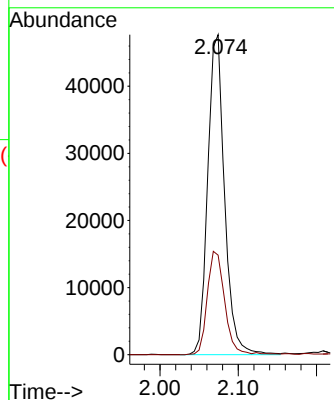
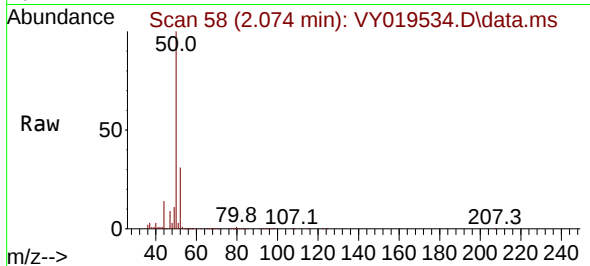




#3  
Chloromethane  
Concen: 19.581 ug/l  
RT: 2.074 min Scan# 51  
Delta R.T. 0.007 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

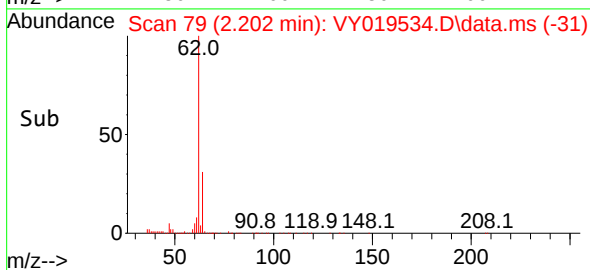
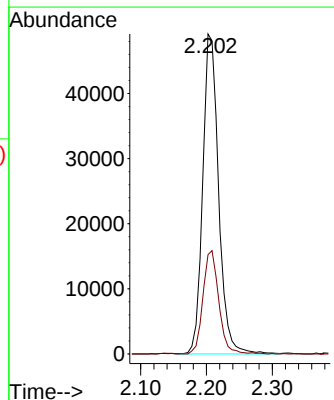
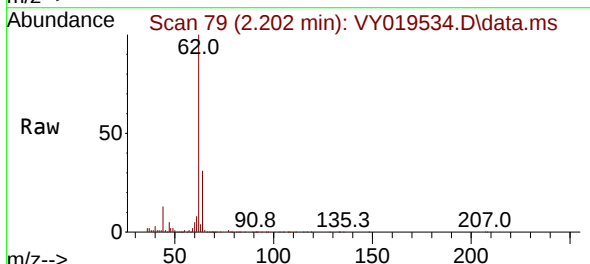
Instrument :  
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ClientSampleId :  
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Tgt Ion: 50 Resp: 70946  
Ion Ratio Lower Upper  
50 100  
52 31.1 25.6 38.4



#4  
Vinyl Chloride  
Concen: 21.083 ug/l  
RT: 2.202 min Scan# 79  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 62 Resp: 82600  
Ion Ratio Lower Upper  
62 100  
64 31.0 26.1 39.1

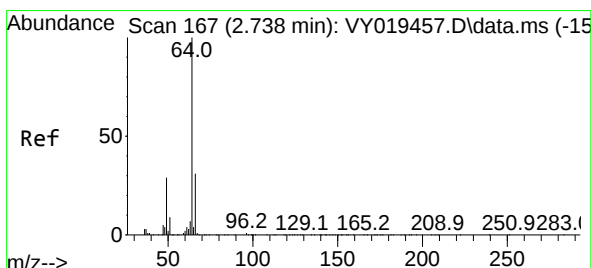
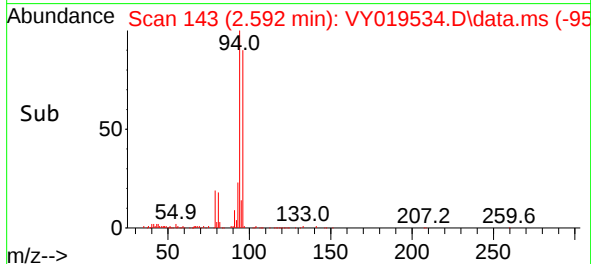
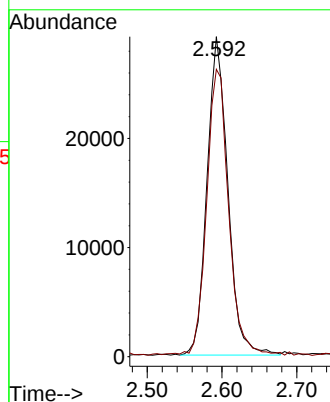
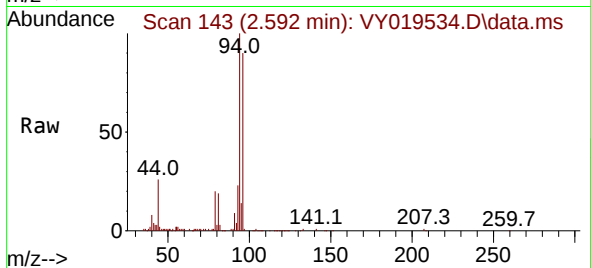




#5  
Bromomethane  
Concen: 23.453 ug/l  
RT: 2.592 min Scan# 144  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

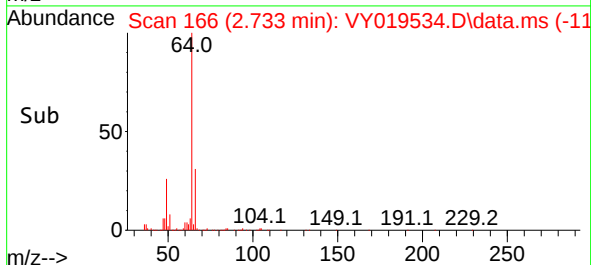
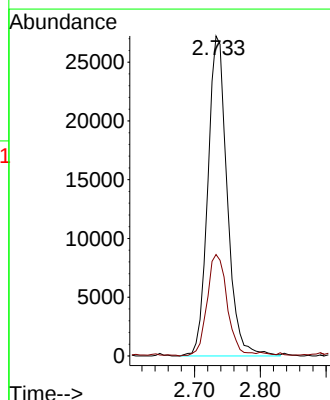
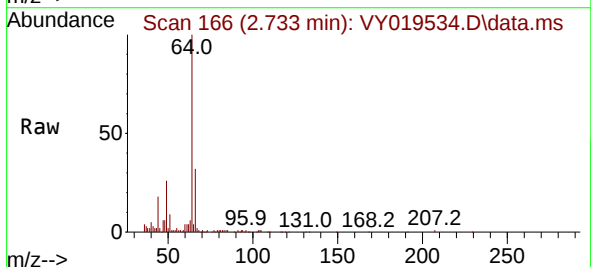
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

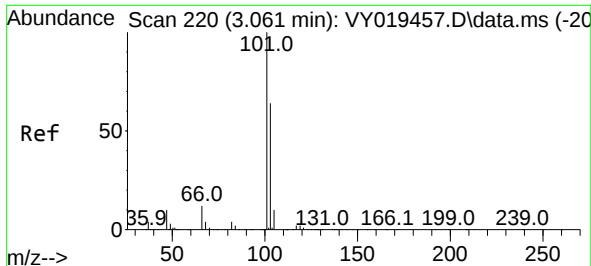
Tgt Ion: 94 Resp: 56442  
Ion Ratio Lower Upper  
94 100  
96 89.4 74.1 111.1



#6  
Chloroethane  
Concen: 21.752 ug/l  
RT: 2.733 min Scan# 166  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 64 Resp: 55712  
Ion Ratio Lower Upper  
64 100  
66 31.7 26.1 39.1

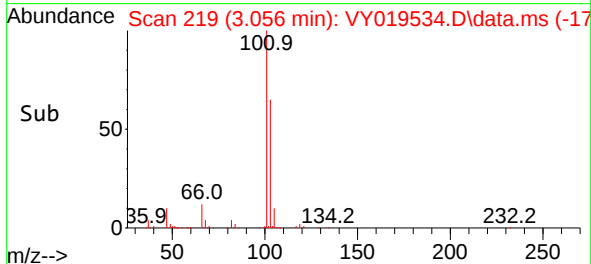
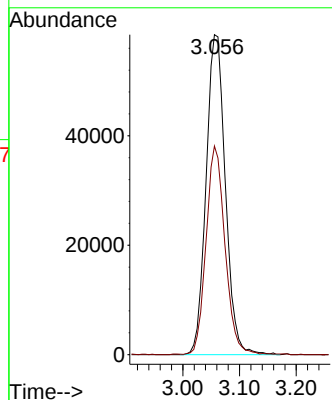
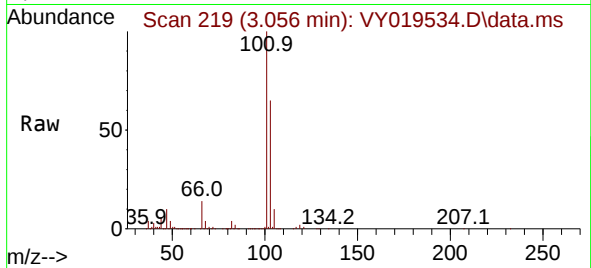




#7  
 Trichlorofluoromethane  
 Concen: 21.153 ug/l  
 RT: 3.056 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VY019534.D  
 Acq: 13 Sep 2024 11:53

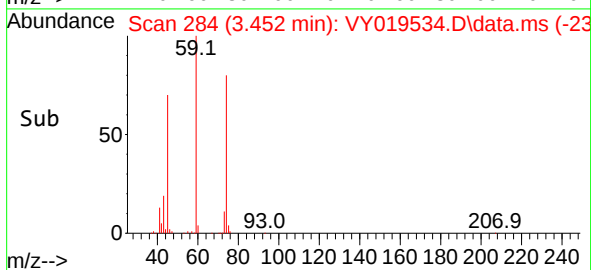
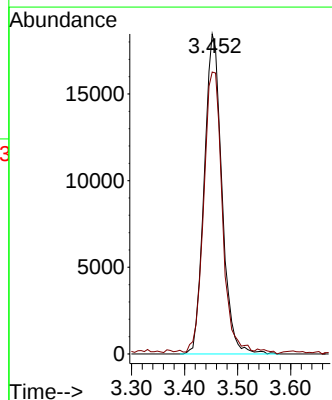
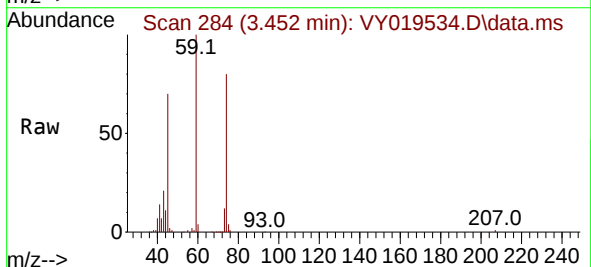
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0913SBS01

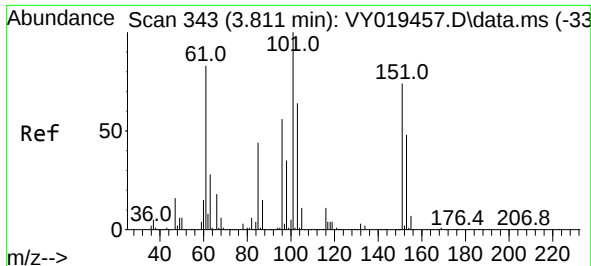
Tgt Ion:101 Resp: 138152  
 Ion Ratio Lower Upper  
 101 100  
 103 65.1 49.3 73.9



#8  
 Diethyl Ether  
 Concen: 19.476 ug/l  
 RT: 3.452 min Scan# 284  
 Delta R.T. -0.006 min  
 Lab File: VY019534.D  
 Acq: 13 Sep 2024 11:53

Tgt Ion: 74 Resp: 42697  
 Ion Ratio Lower Upper  
 74 100  
 45 91.1 41.3 124.1

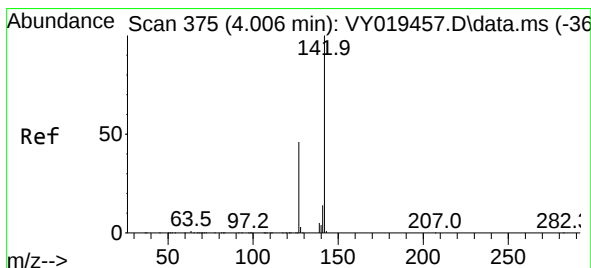
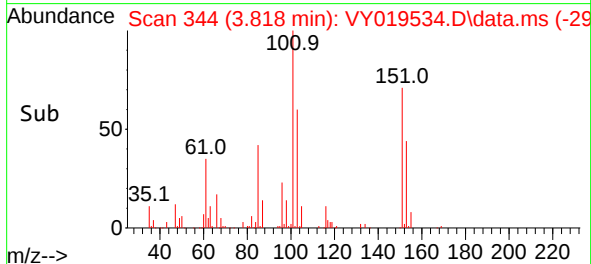
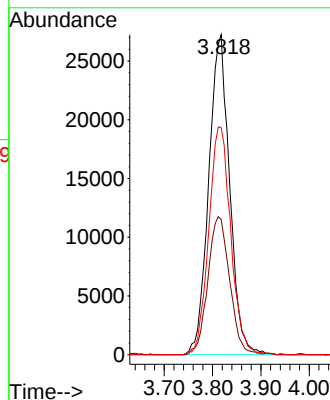
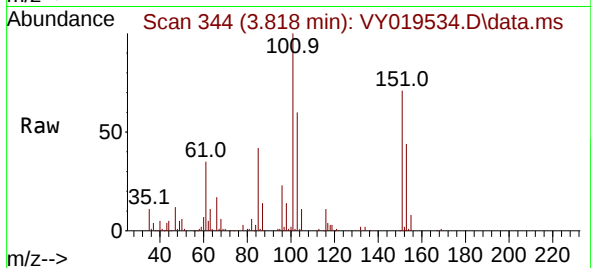




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.235 ug/l  
RT: 3.818 min Scan# 343  
Delta R.T. 0.007 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

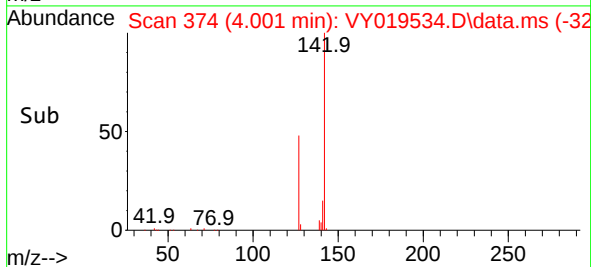
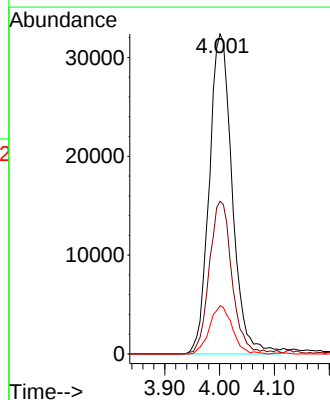
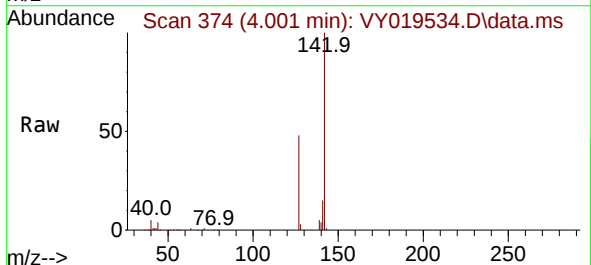
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

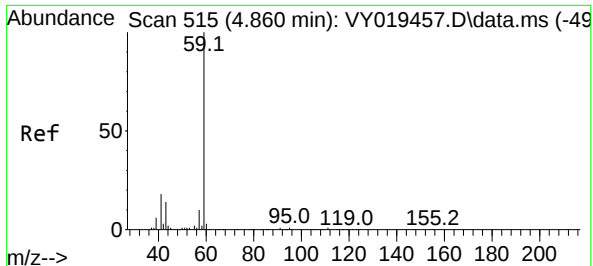
Tgt Ion:101 Resp: 81752  
Ion Ratio Lower Upper  
101 100  
85 45.0 34.5 51.7  
151 75.0 61.7 92.5



#10  
Methyl Iodide  
Concen: 18.170 ug/l  
RT: 4.001 min Scan# 374  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion:142 Resp: 94120  
Ion Ratio Lower Upper  
142 100  
127 47.5 32.8 49.2  
141 14.9 11.4 17.2

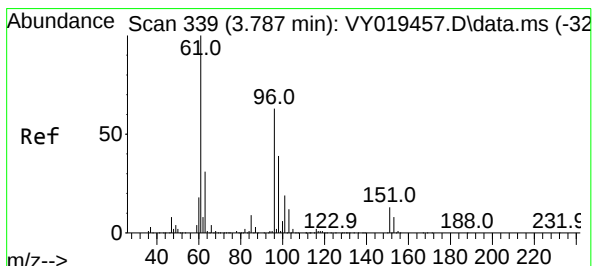
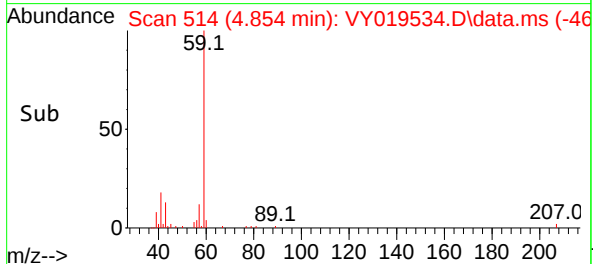
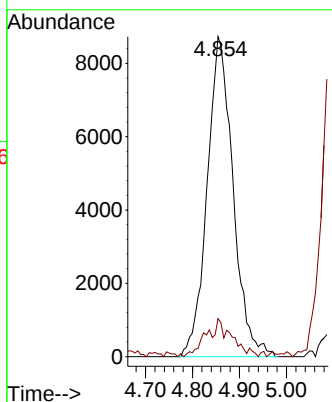
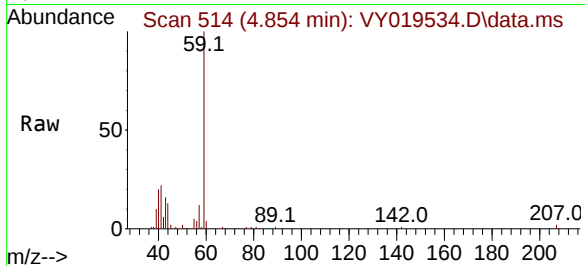




#11  
Tert butyl alcohol  
Concen: 102.041 ug/l  
RT: 4.854 min Scan# 515  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

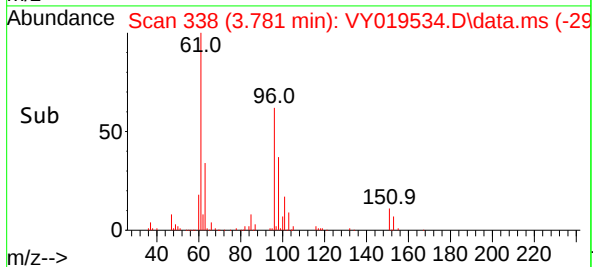
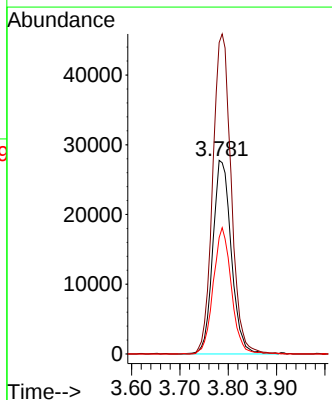
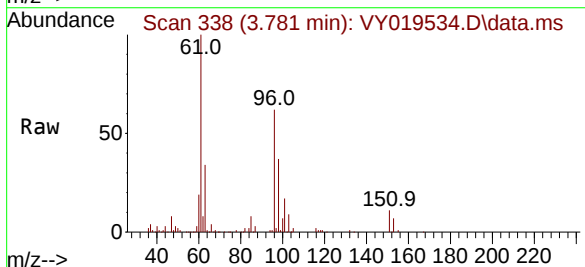
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

Tgt Ion: 59 Resp: 33417  
Ion Ratio Lower Upper  
59 100  
57 11.2 3.0 4.6#



#12  
1,1-Dichloroethene  
Concen: 18.947 ug/l  
RT: 3.781 min Scan# 338  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 96 Resp: 73616  
Ion Ratio Lower Upper  
96 100  
61 160.9 114.6 171.8  
98 60.1 50.8 76.2





#13

Acrolein

Concen: 143.903 ug/l

RT: 3.647 min Scan# 317

Delta R.T. -0.006 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

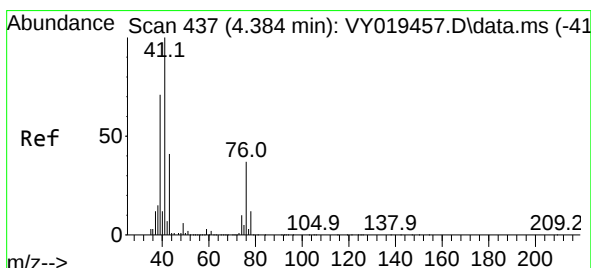
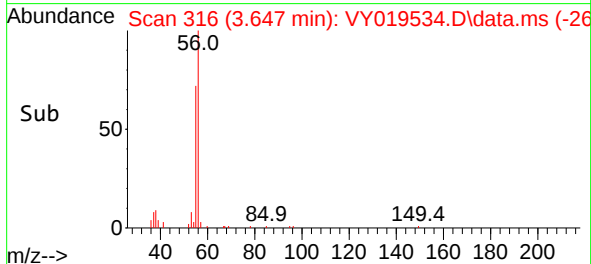
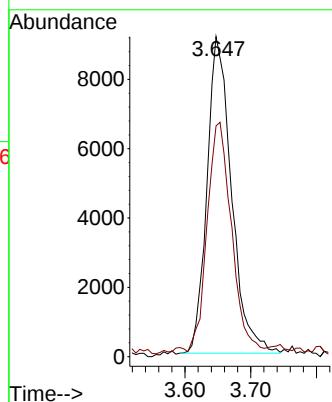
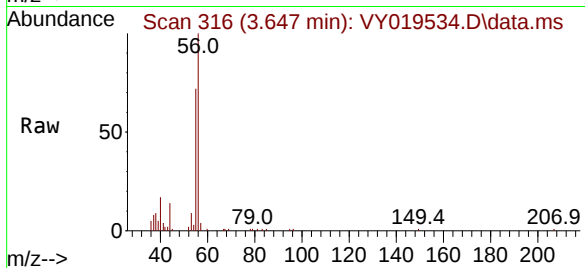
VY0913SBS01

Tgt Ion: 56 Resp: 23646

Ion Ratio Lower Upper

56 100

55 71.9 55.7 83.5



#14

Allyl chloride

Concen: 18.348 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

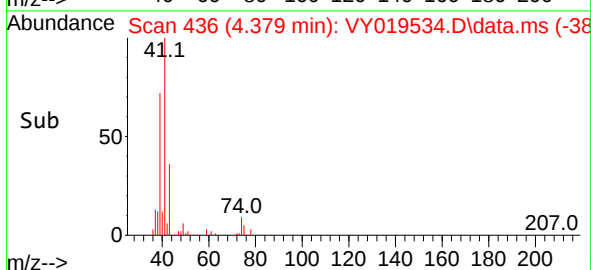
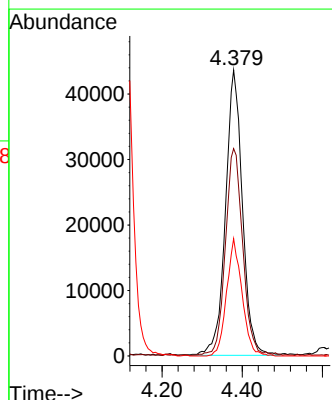
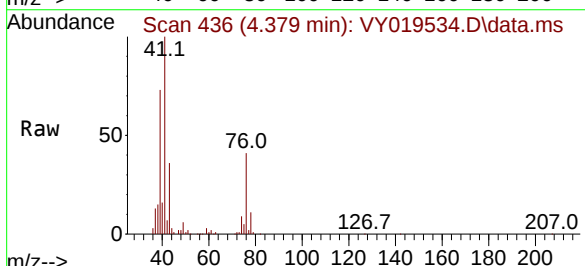
Tgt Ion: 41 Resp: 127843

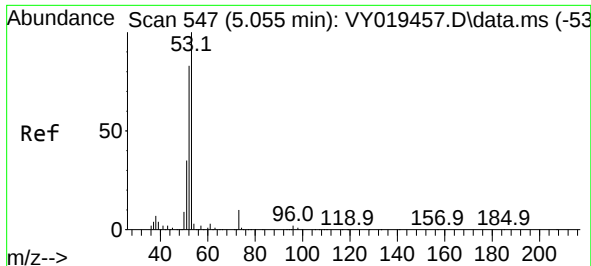
Ion Ratio Lower Upper

41 100

39 73.7 58.3 87.5

76 37.5 39.0 58.6#

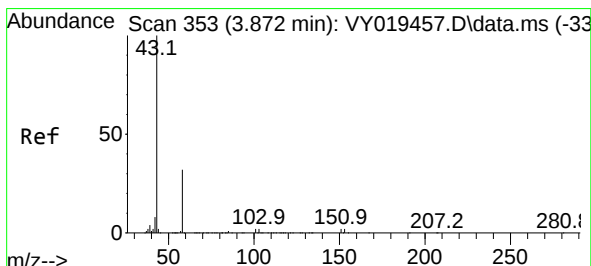
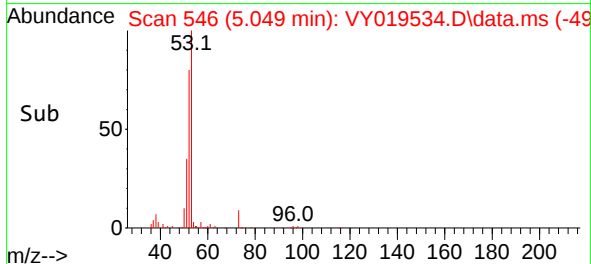
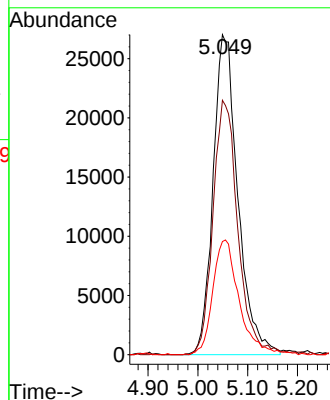
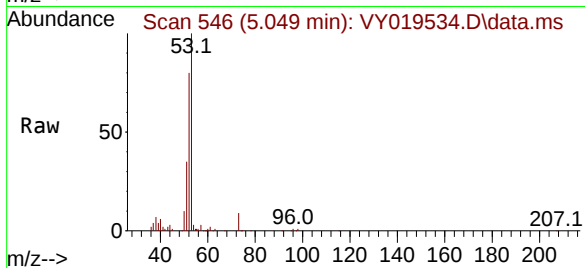




#15  
Acrylonitrile  
Concen: 98.632 ug/l  
RT: 5.049 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

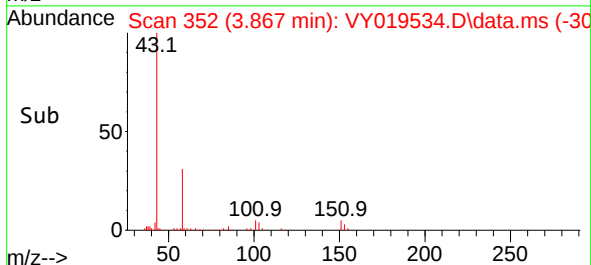
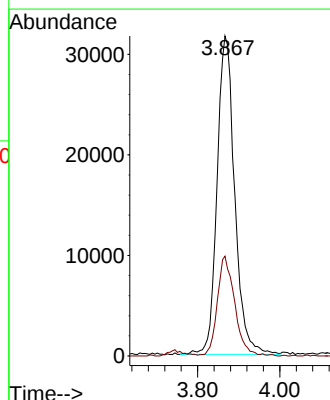
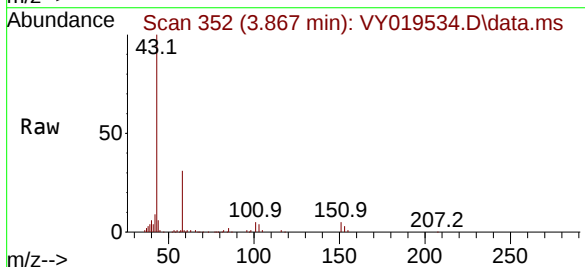
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

Tgt Ion: 53 Resp: 93234  
Ion Ratio Lower Upper  
53 100  
52 80.1 64.7 97.1  
51 38.2 28.4 42.6



#16  
Acetone  
Concen: 97.259 ug/l  
RT: 3.867 min Scan# 352  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 43 Resp: 93960  
Ion Ratio Lower Upper  
43 100  
58 31.4 31.7 47.5#

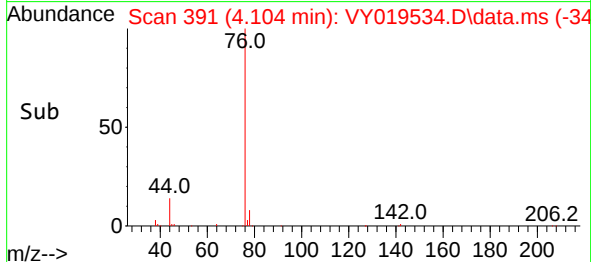
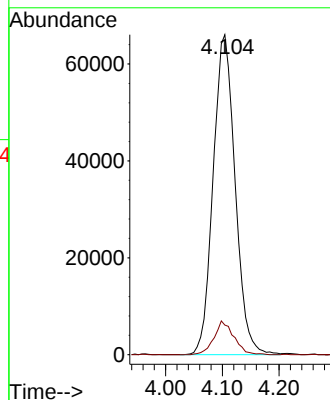
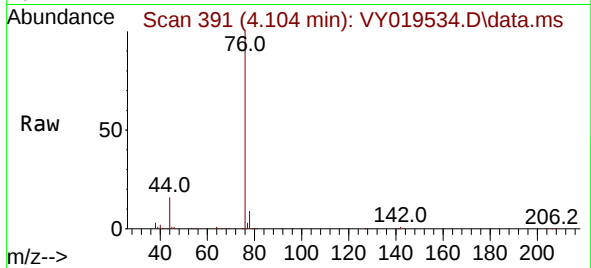




#17  
Carbon Disulfide  
Concen: 16.955 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

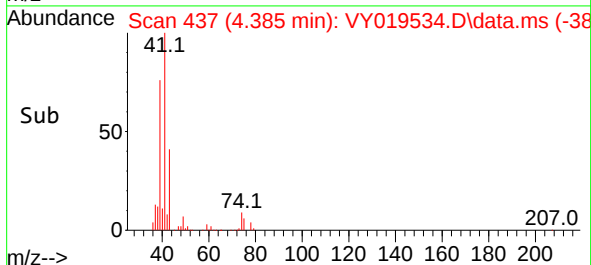
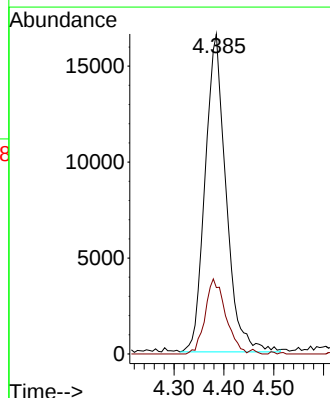
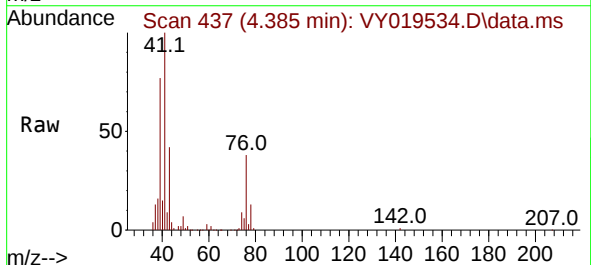
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

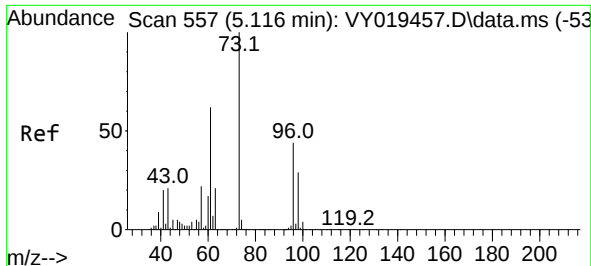
Tgt Ion: 76 Resp: 177992  
Ion Ratio Lower Upper  
76 100  
78 9.3 6.8 10.2



#18  
Methyl Acetate  
Concen: 18.438 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 43 Resp: 48340  
Ion Ratio Lower Upper  
43 100  
74 23.1 23.3 34.9#

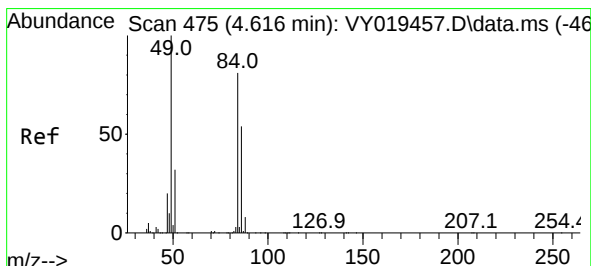
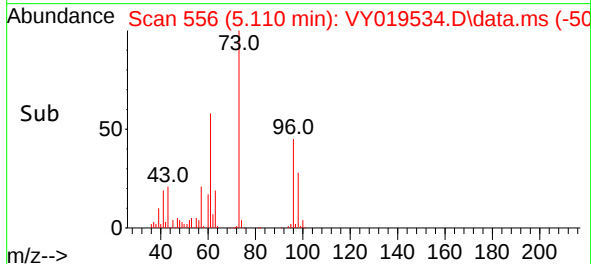
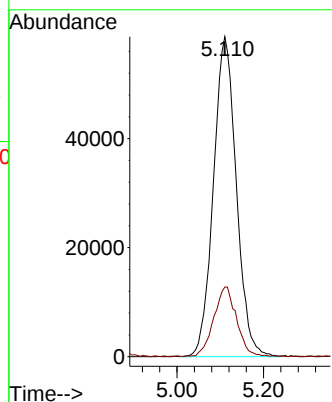
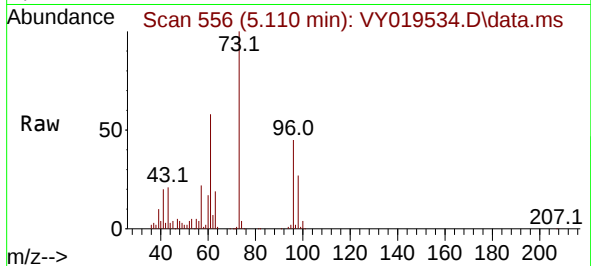




#19  
Methyl tert-butyl Ether  
Concen: 19.617 ug/l  
RT: 5.110 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

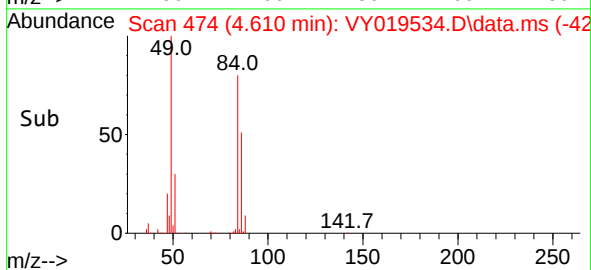
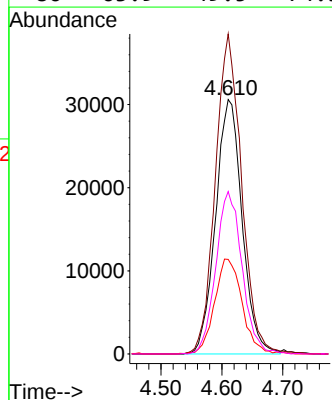
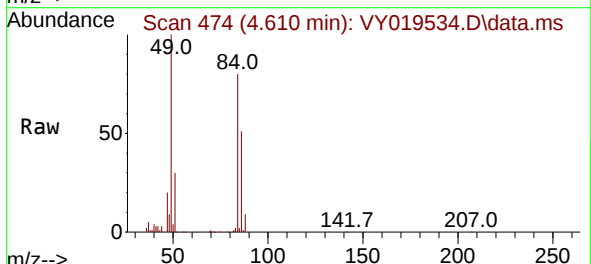
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

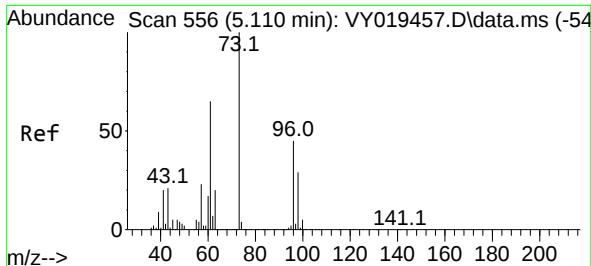
Tgt Ion: 73 Resp: 215878  
Ion Ratio Lower Upper  
73 100  
57 21.6 17.3 25.9



#20  
Methylene Chloride  
Concen: 21.034 ug/l  
RT: 4.610 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 84 Resp: 92673  
Ion Ratio Lower Upper  
84 100  
49 125.8 84.4 126.6  
51 36.9 26.0 39.0  
86 63.9 49.5 74.3

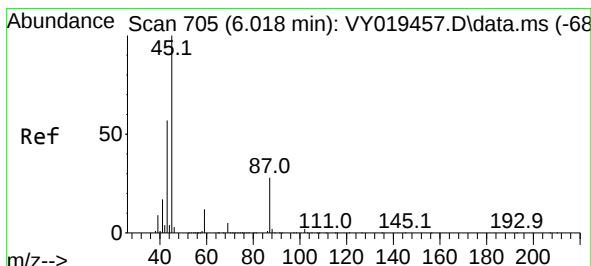
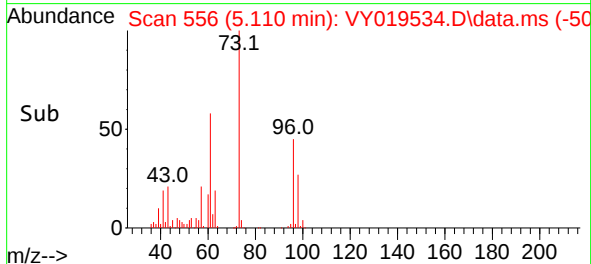
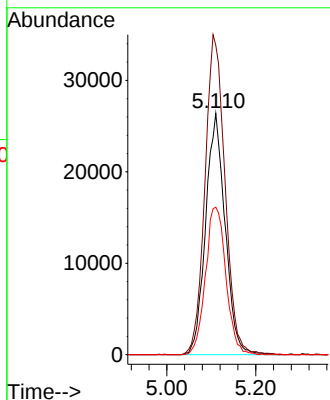
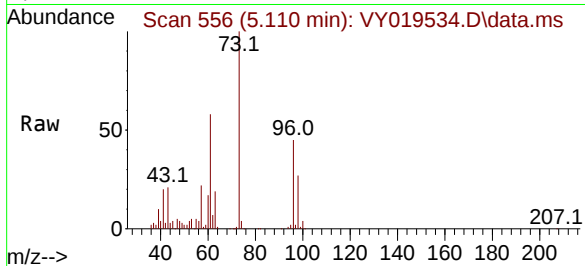




#21  
trans-1,2-Dichloroethene  
Concen: 18.931 ug/l  
RT: 5.110 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

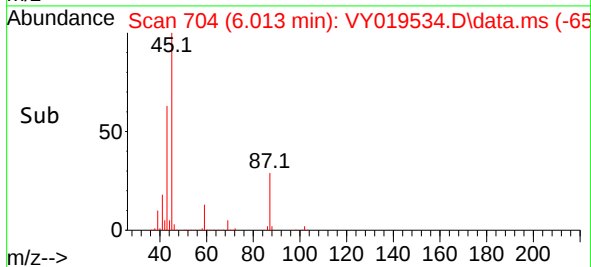
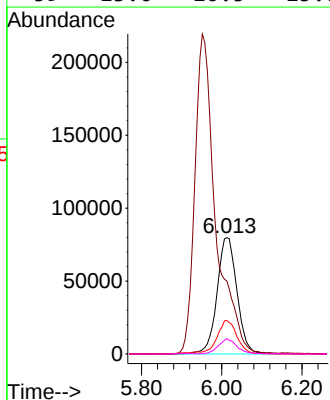
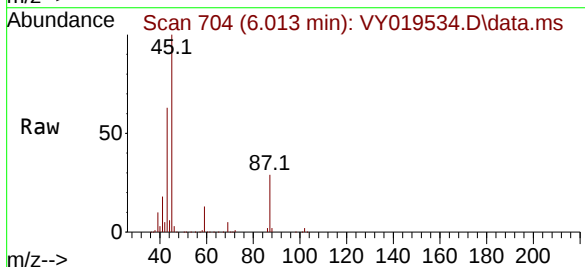
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

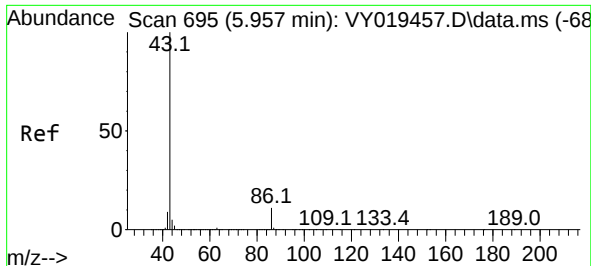
Tgt Ion: 96 Resp: 80624  
Ion Ratio Lower Upper  
96 100  
61 128.2 97.5 146.3  
98 61.1 50.5 75.7



#22  
Diisopropyl ether  
Concen: 19.247 ug/l  
RT: 6.013 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 45 Resp: 275389  
Ion Ratio Lower Upper  
45 100  
43 62.2 42.2 63.2  
87 28.7 25.0 37.6  
59 13.0 10.5 15.7

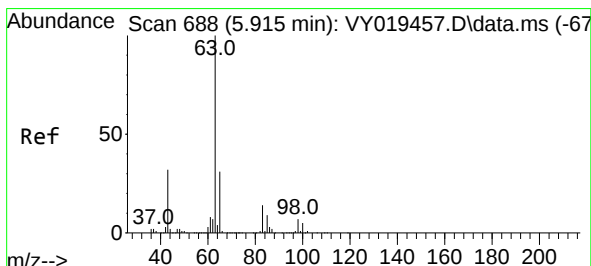
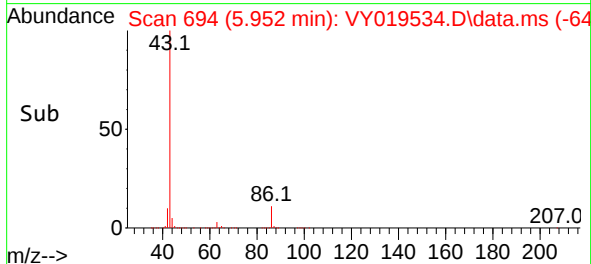
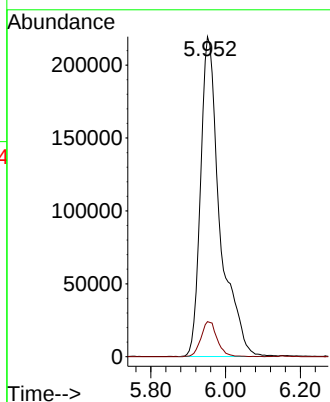
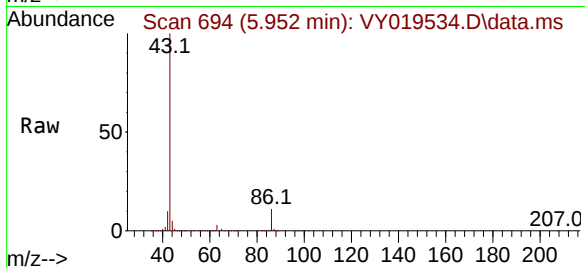




#23  
 Vinyl Acetate  
 Concen: 96.573 ug/l  
 RT: 5.952 min Scan# 694  
 Delta R.T. -0.006 min  
 Lab File: VY019534.D  
 Acq: 13 Sep 2024 11:53

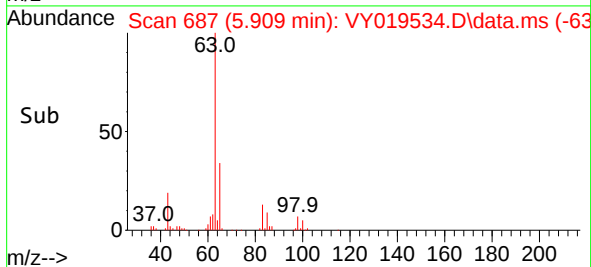
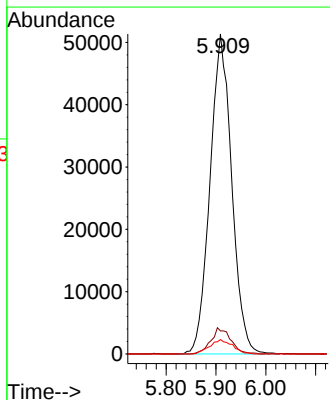
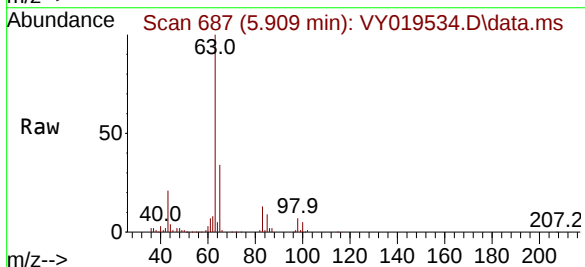
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 MSVOA\_Y  
 ClientSampleId :  
 VY0913SBS01

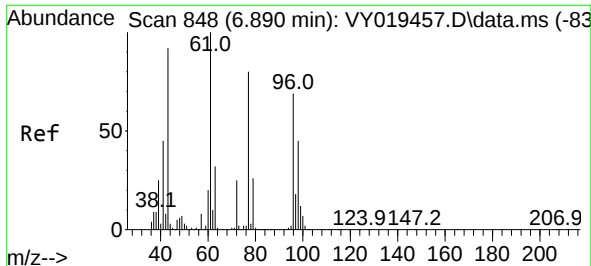
Tgt Ion: 43 Resp: 789274  
 Ion Ratio Lower Upper  
 43 100  
 86 10.9 10.6 16.0



#24  
 1,1-Dichloroethane  
 Concen: 19.348 ug/l  
 RT: 5.909 min Scan# 687  
 Delta R.T. -0.006 min  
 Lab File: VY019534.D  
 Acq: 13 Sep 2024 11:53

Tgt Ion: 63 Resp: 155349  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 4.0 12.2  
 100 4.5 2.6 8.0

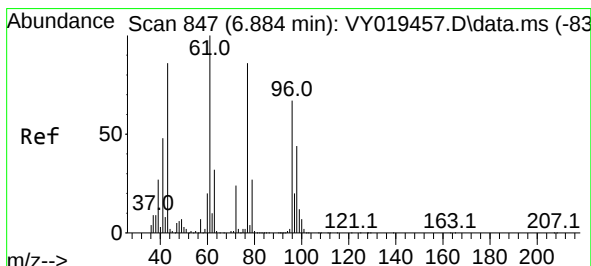
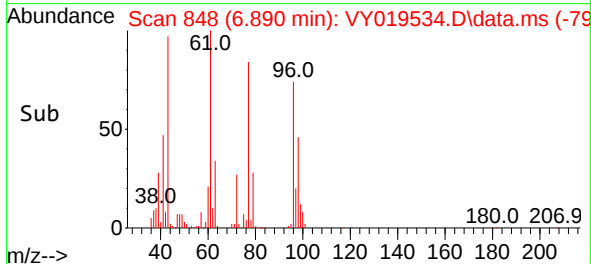
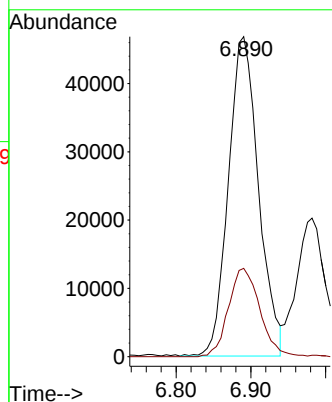
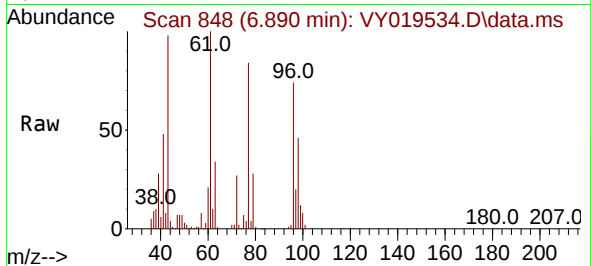




#25  
2-Butanone  
Concen: 95.532 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

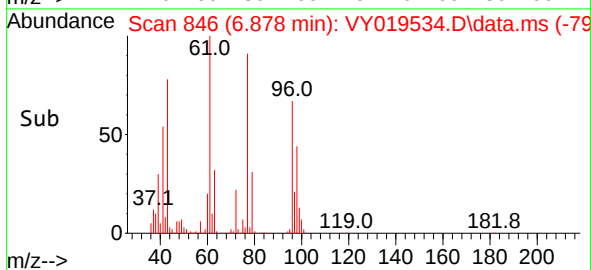
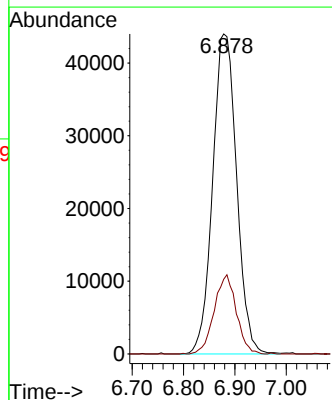
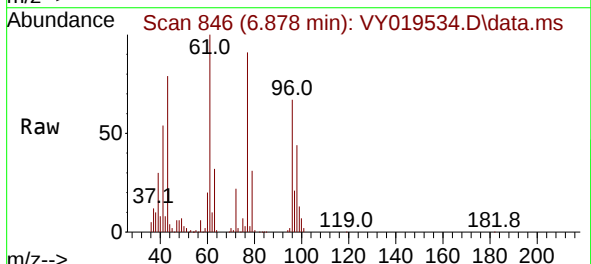
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

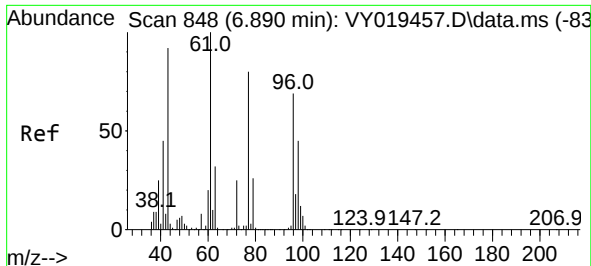
Tgt Ion: 43 Resp: 131263  
Ion Ratio Lower Upper  
43 100  
72 27.7 27.3 40.9



#26  
2,2-Dichloropropane  
Concen: 19.664 ug/l  
RT: 6.878 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 77 Resp: 142415  
Ion Ratio Lower Upper  
77 100  
97 22.8 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 19.549 ug/l

RT: 6.884 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0913SBS01

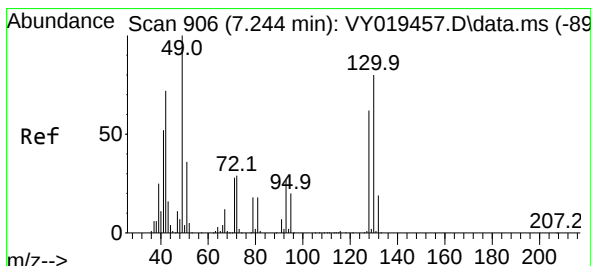
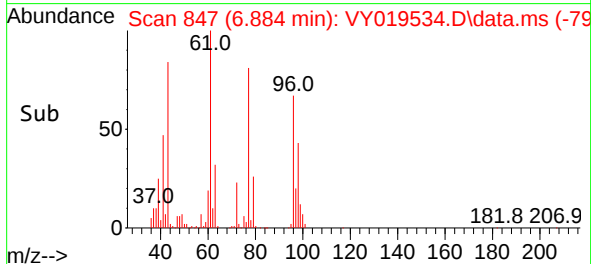
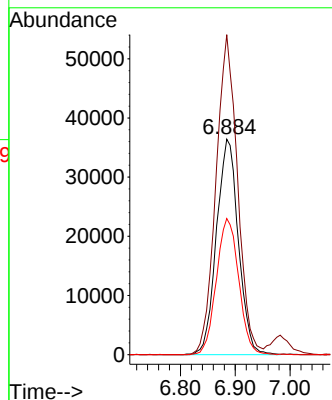
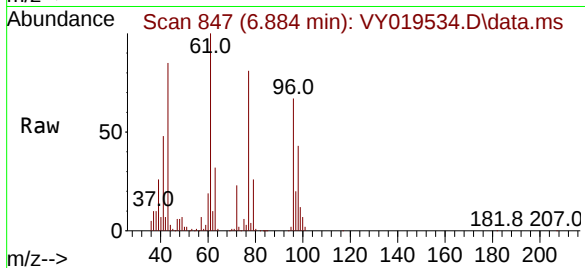
Tgt Ion: 96 Resp: 101133

Ion Ratio Lower Upper

96 100

61 146.2 0.0 256.2

98 64.4 0.0 130.0



#28

Bromochloromethane

Concen: 20.357 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

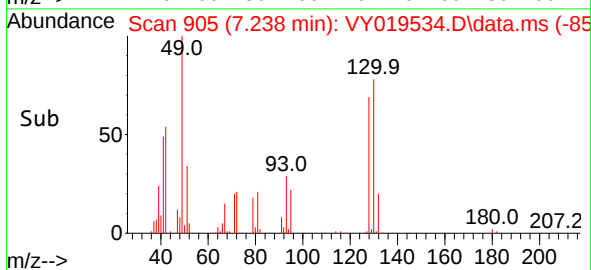
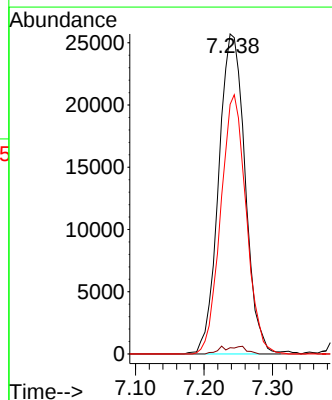
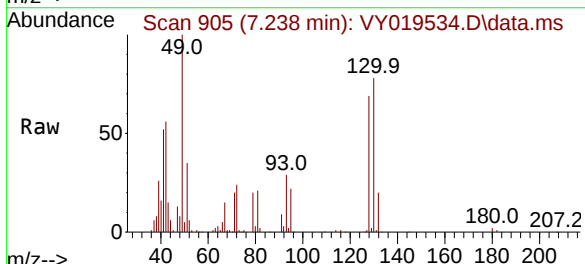
Tgt Ion: 49 Resp: 68772

Ion Ratio Lower Upper

49 100

129 0.9 0.0 4.6

130 78.2 72.7 109.1

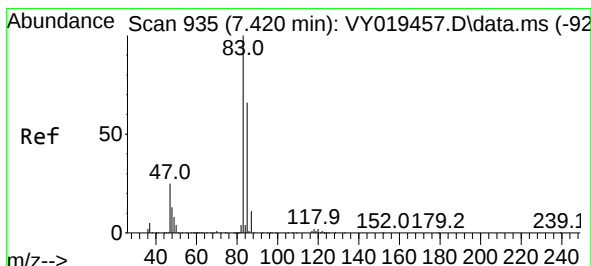
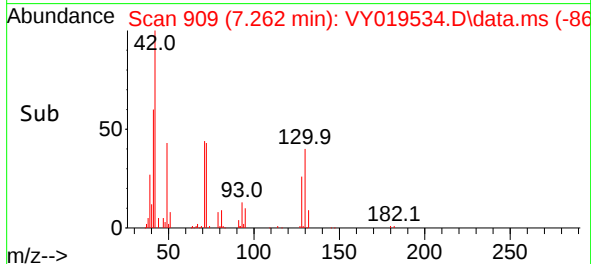
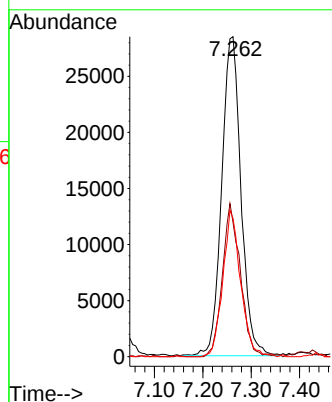
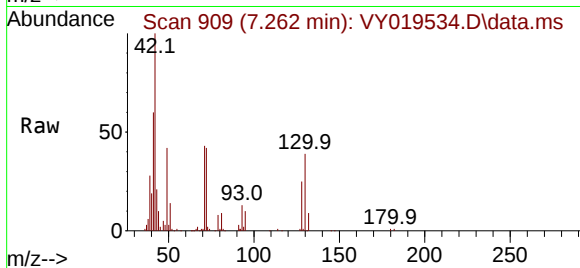




#29  
Tetrahydrofuran  
Concen: 94.283 ug/l  
RT: 7.262 min Scan# 909  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

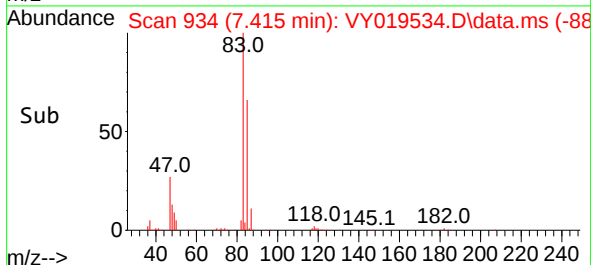
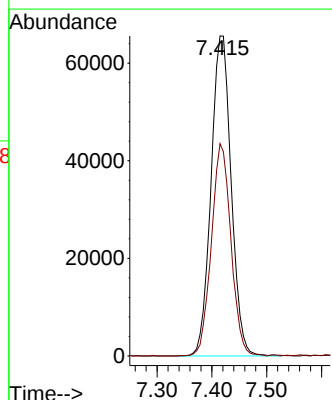
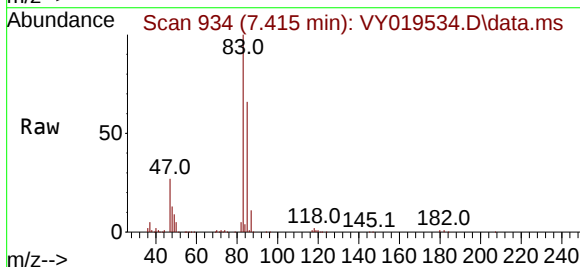
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

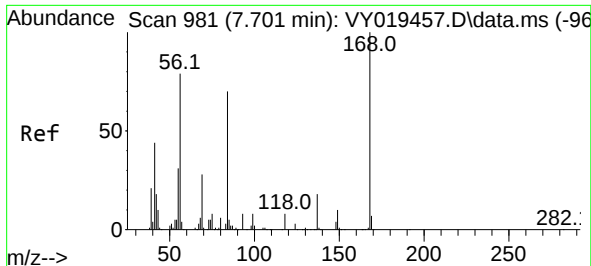
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 78766 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 44.7  | 43.0  | 64.4  |
| 71        | 42.5  | 40.8  | 61.2  |



#30  
Chloroform  
Concen: 20.381 ug/l  
RT: 7.415 min Scan# 934  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 167046 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 66.2  | 52.2  | 78.4   |

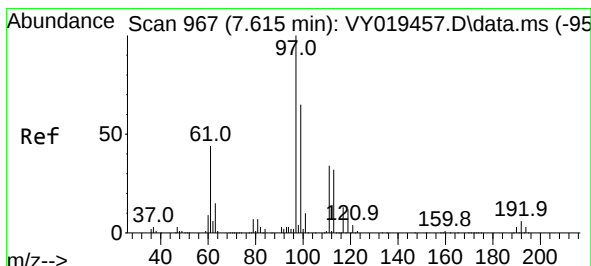
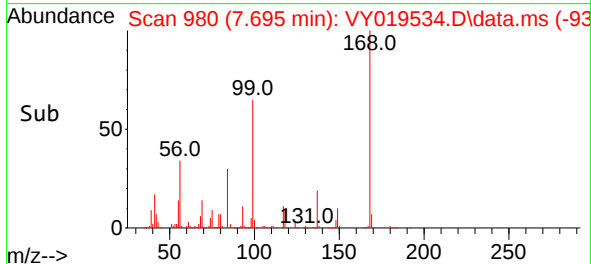
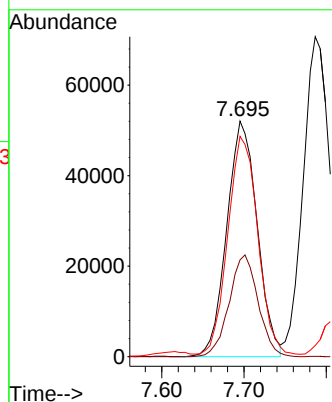
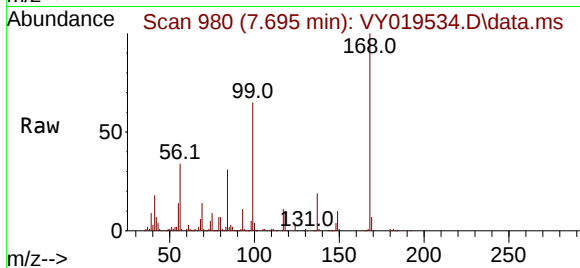




#31  
Cyclohexane  
Concen: 18.402 ug/l  
RT: 7.695 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

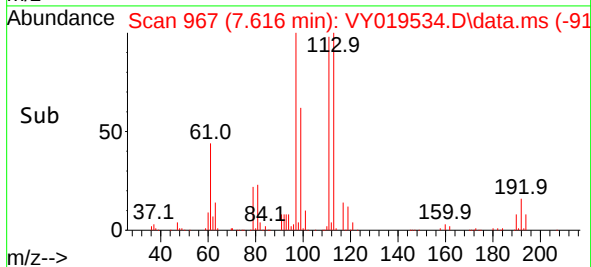
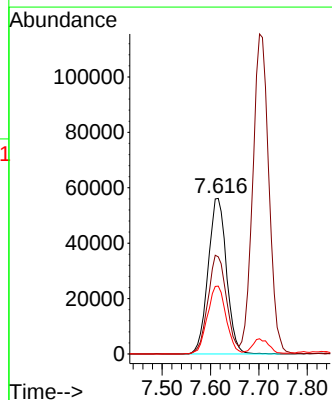
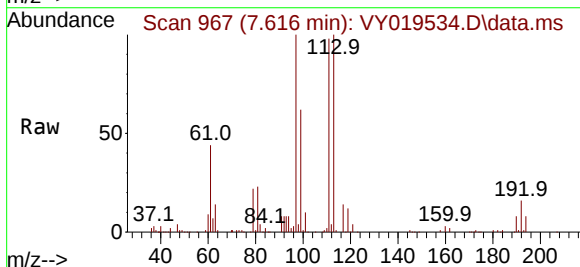
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

Tgt Ion: 56 Resp: 133554  
Ion Ratio Lower Upper  
56 100  
69 41.1 28.7 43.1  
84 91.7 77.7 116.5



#32  
1,1,1-Trichloroethane  
Concen: 20.202 ug/l  
RT: 7.616 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 97 Resp: 148420  
Ion Ratio Lower Upper  
97 100  
99 64.0 50.3 75.5  
61 44.3 32.6 48.8

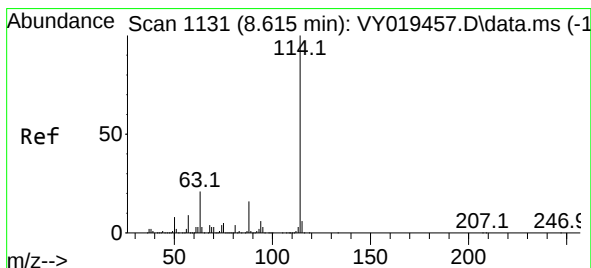
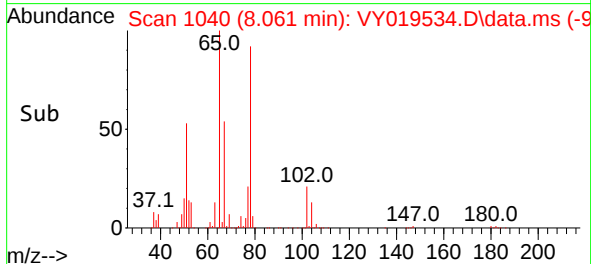
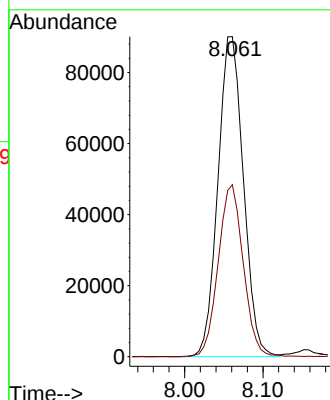
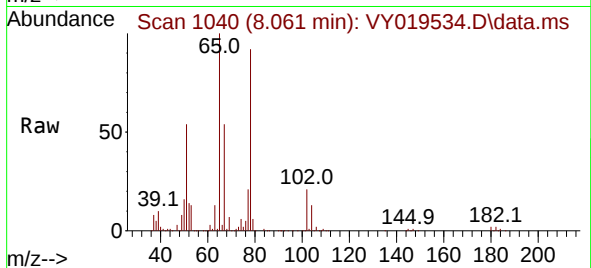




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.297 ug/l  
 RT: 8.061 min Scan# 1130  
 Delta R.T. 0.000 min  
 Lab File: VY019534.D  
 Acq: 13 Sep 2024 11:53

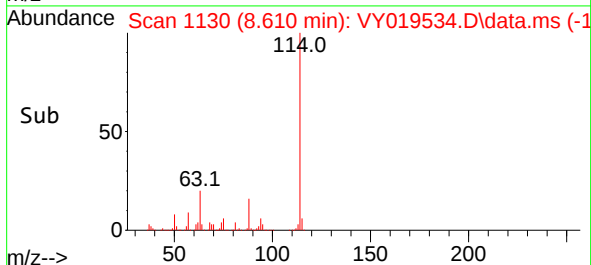
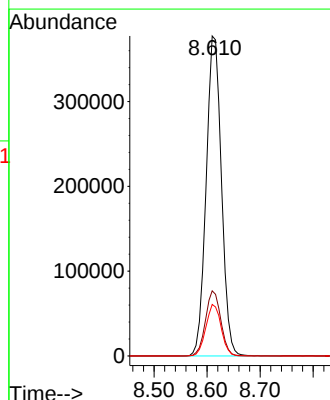
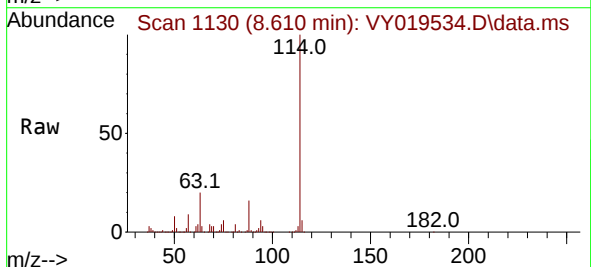
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0913SBS01

Tgt Ion: 65 Resp: 203962  
 Ion Ratio Lower Upper  
 65 100  
 67 52.8 0.0 109.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.610 min Scan# 1130  
 Delta R.T. -0.006 min  
 Lab File: VY019534.D  
 Acq: 13 Sep 2024 11:53

Tgt Ion: 114 Resp: 754559  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 35.0  
 88 16.1 0.0 27.2

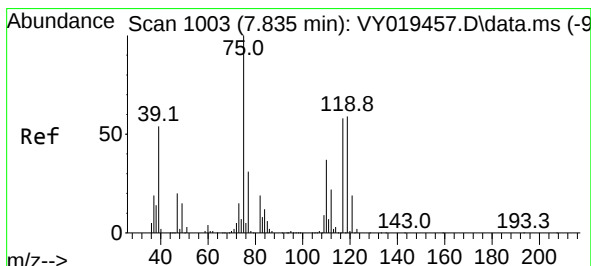
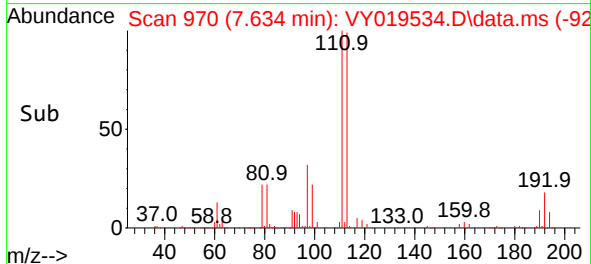
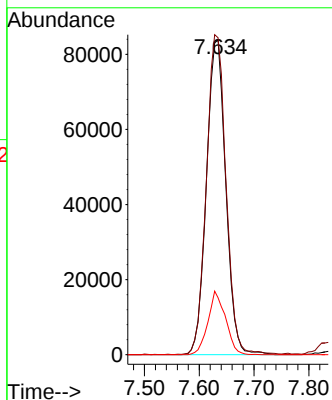
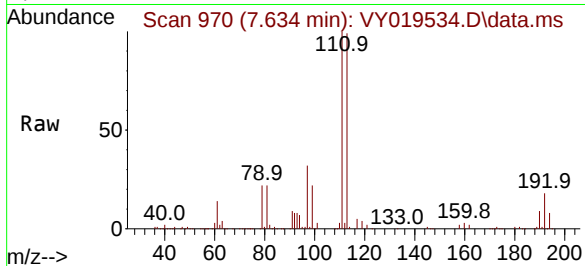




#35  
Dibromofluoromethane  
Concen: 47.885 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

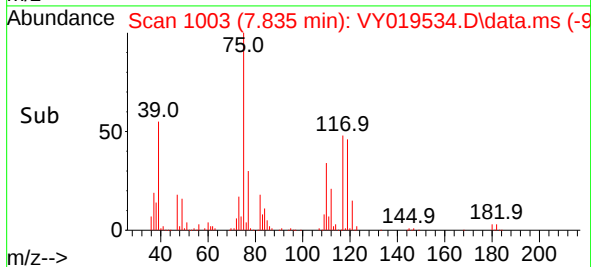
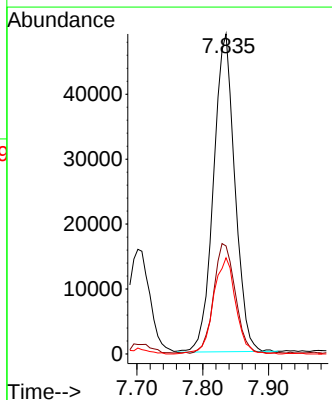
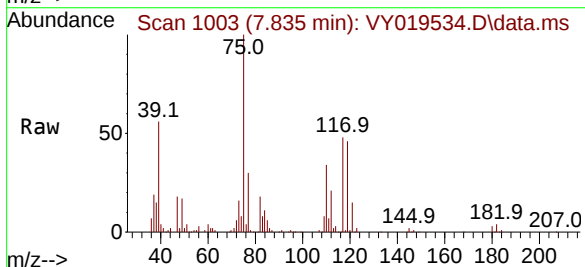
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

Tgt Ion:113 Resp: 204862  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.2 123.4  
192 18.5 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 19.038 ug/l  
RT: 7.835 min Scan# 1003  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 75 Resp: 110826  
Ion Ratio Lower Upper  
75 100  
110 35.0 19.0 57.0  
77 31.5 25.3 37.9

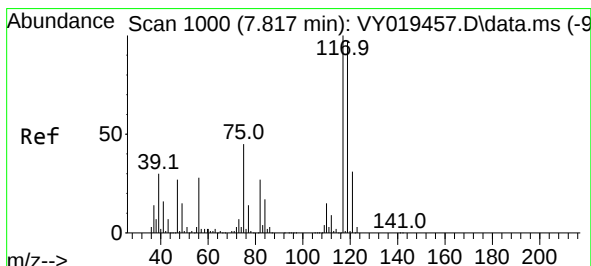
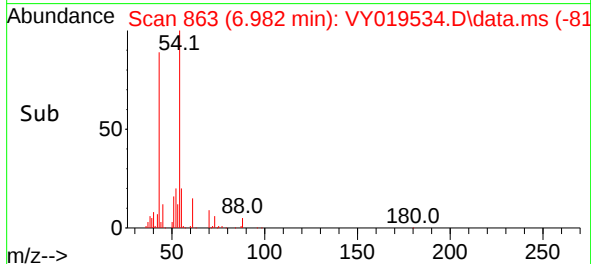
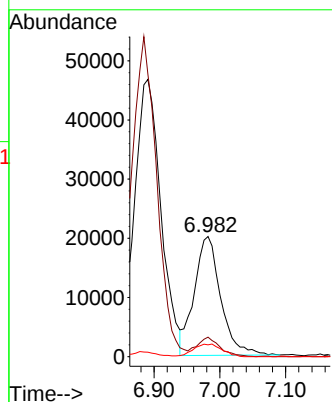
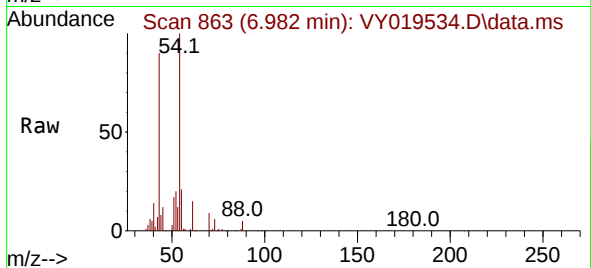




#37  
Ethyl Acetate  
Concen: 18.857 ug/l  
RT: 6.982 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

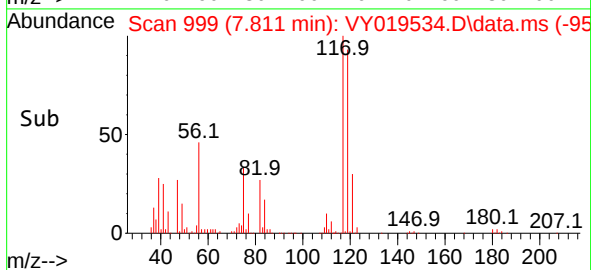
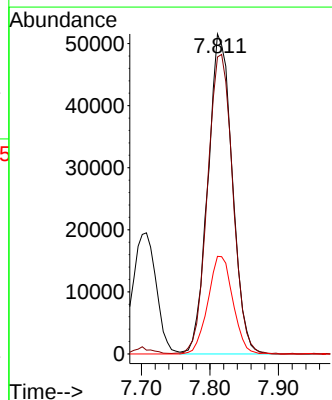
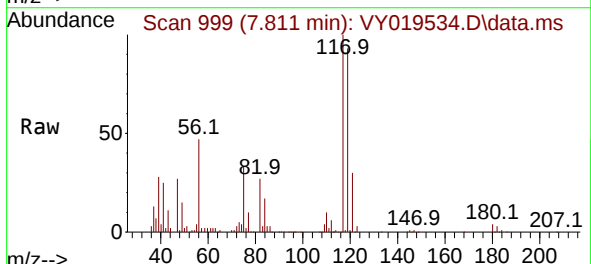
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

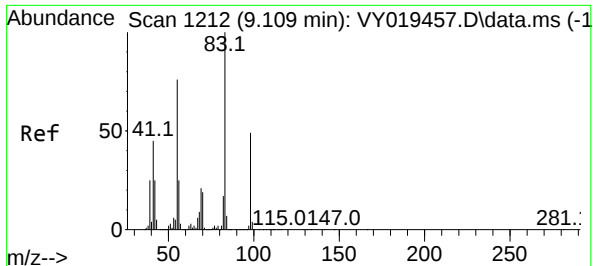
Tgt Ion: 43 Resp: 56247  
Ion Ratio Lower Upper  
43 100  
61 14.2 12.6 19.0  
70 11.5 7.8 11.8



#38  
Carbon Tetrachloride  
Concen: 19.422 ug/l  
RT: 7.811 min Scan# 999  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 117 Resp: 127500  
Ion Ratio Lower Upper  
117 100  
119 92.8 75.8 113.6  
121 30.5 24.0 36.0





#39

Methylcyclohexane

Concen: 18.505 ug/l

RT: 9.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0913SBS01

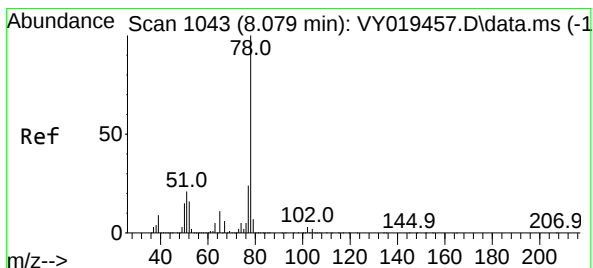
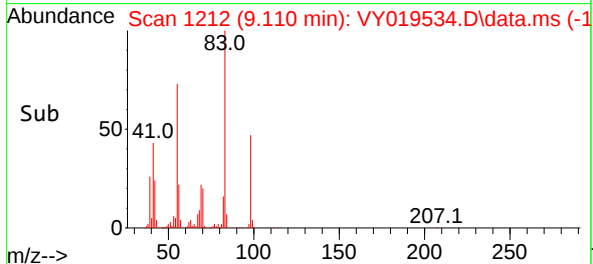
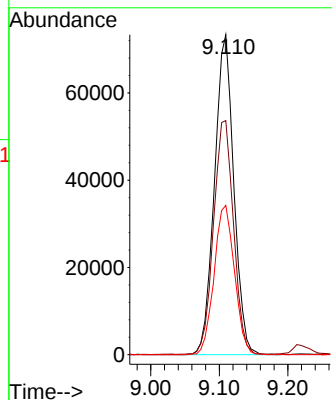
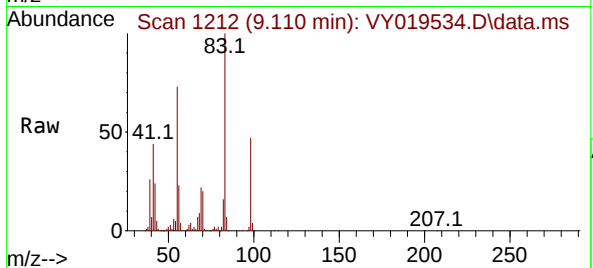
Tgt Ion: 83 Resp: 143361

Ion Ratio Lower Upper

83 100

55 73.0 51.5 77.3

98 46.6 40.5 60.7



#40

Benzene

Concen: 19.108 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY019534.D

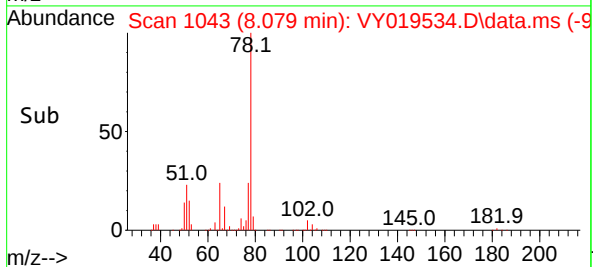
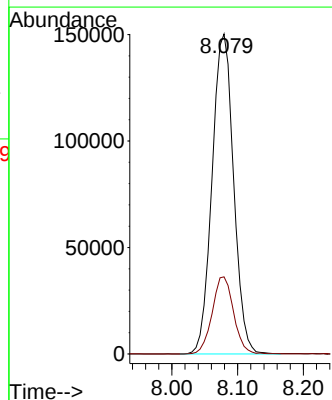
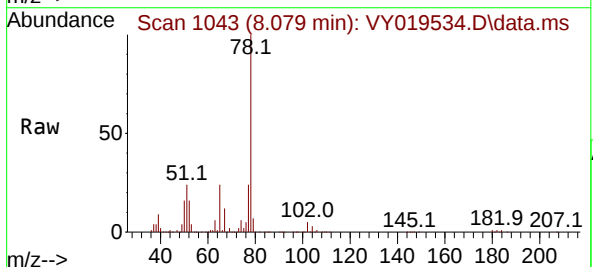
Acq: 13 Sep 2024 11:53

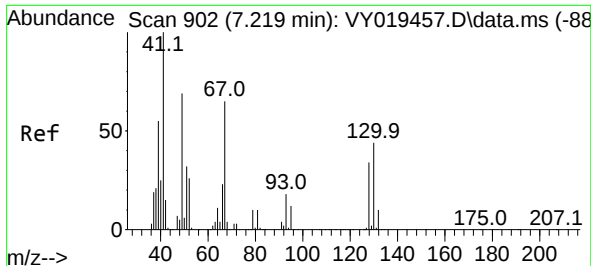
Tgt Ion: 78 Resp: 342616

Ion Ratio Lower Upper

78 100

77 24.1 19.5 29.3



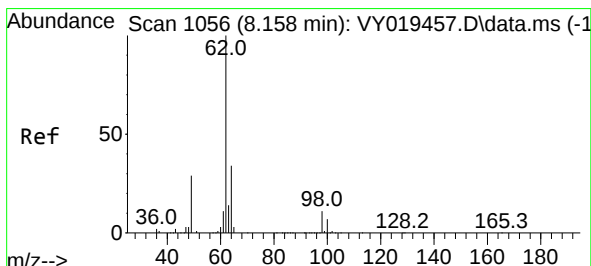
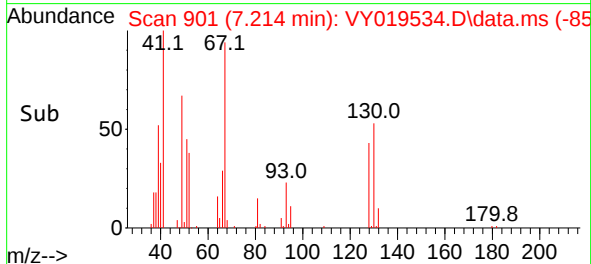
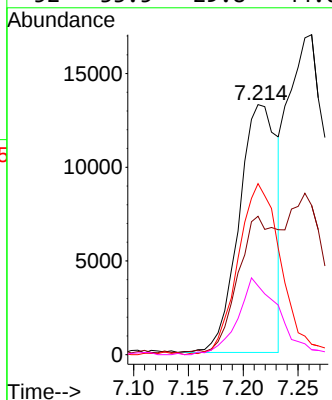
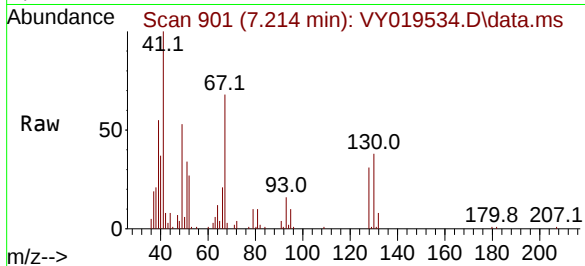


#41  
Methacrylonitrile  
Concen: 18.349 ug/l  
RT: 7.214 min Scan# 902  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

Tgt Ion: 41 Resp: 31903

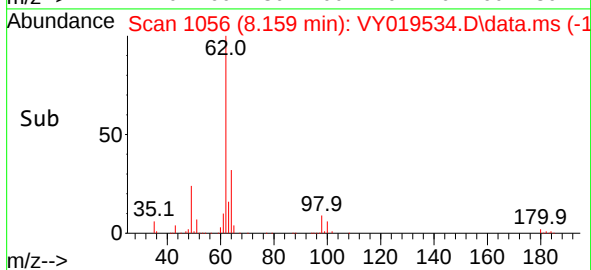
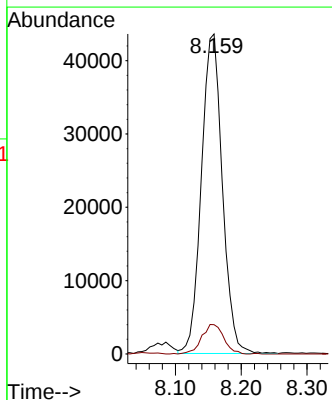
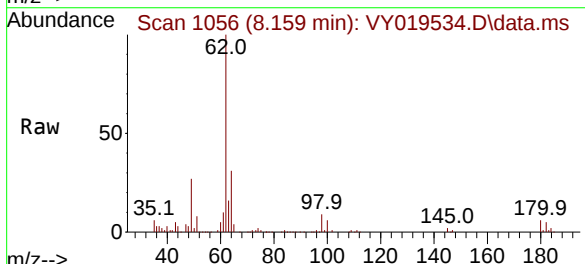
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 55.6  | 48.0  | 72.0  |
| 67  | 78.3  | 75.1  | 112.7 |
| 52  | 33.5  | 29.8  | 44.6  |



#42  
1,2-Dichloroethane  
Concen: 20.016 ug/l  
RT: 8.159 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 62 Resp: 96573

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.7   | 0.0   | 22.0  |

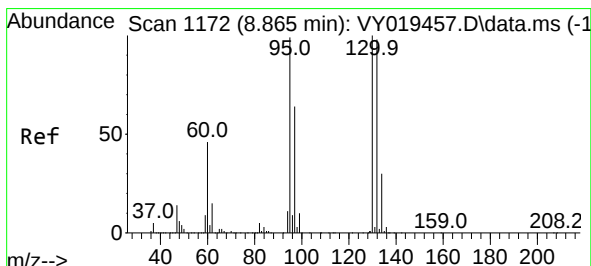
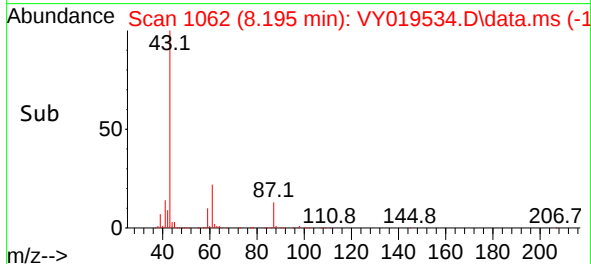
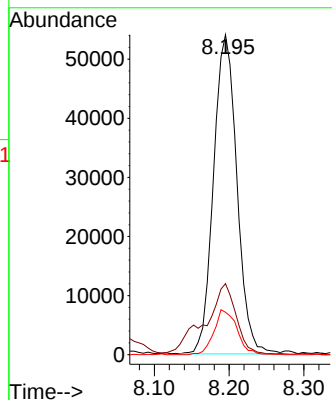
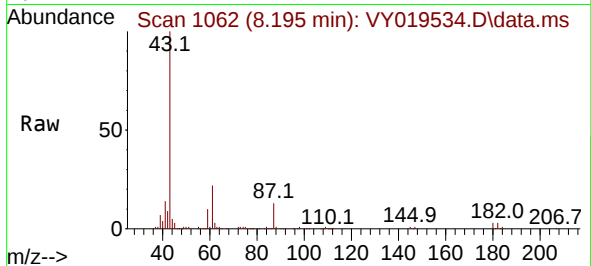




#43  
Isopropyl Acetate  
Concen: 18.787 ug/l  
RT: 8.195 min Scan# 117728  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

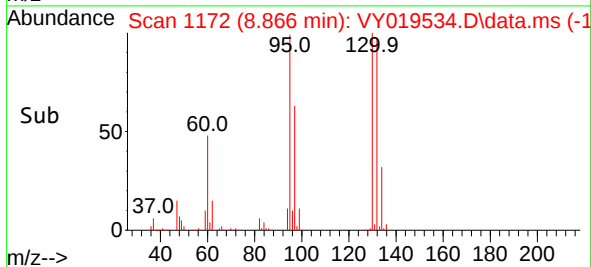
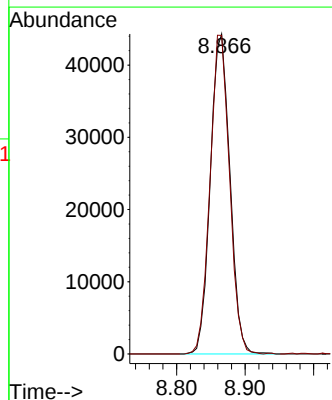
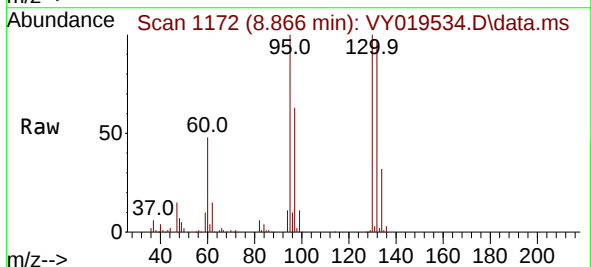
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

| Tgt Ion: | 43    | Resp: | 117728 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 30.3  | 27.9  | 41.9   |
| 87       | 13.8  | 13.1  | 19.7   |



#44  
Trichloroethene  
Concen: 19.039 ug/l  
RT: 8.866 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

| Tgt Ion: | 130   | Resp: | 87796 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 99.6  | 0.0   | 188.0 |





#45

1,2-Dichloropropane

Concen: 19.164 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

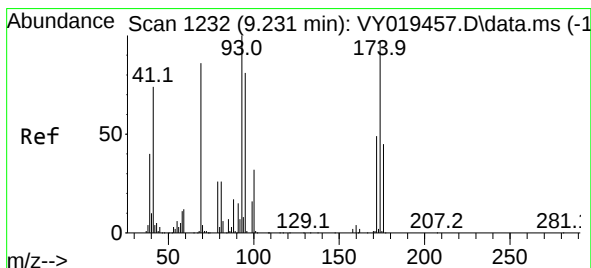
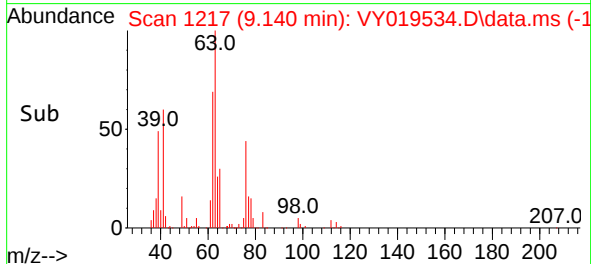
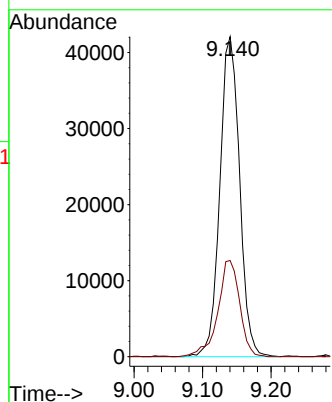
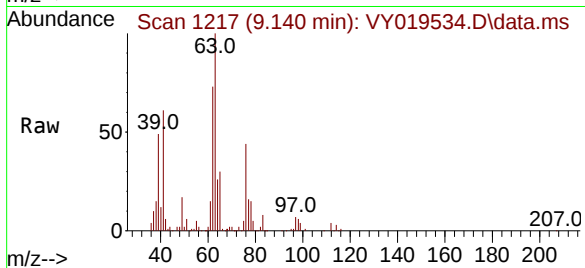
VY0913SBS01

Tgt Ion: 63 Resp: 84005

Ion Ratio Lower Upper

63 100

65 30.0 25.4 38.2



#46

Dibromomethane

Concen: 19.706 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

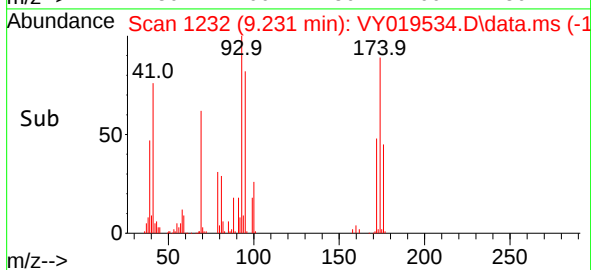
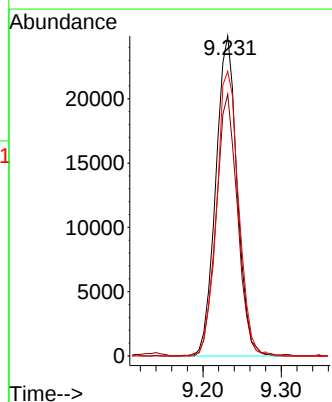
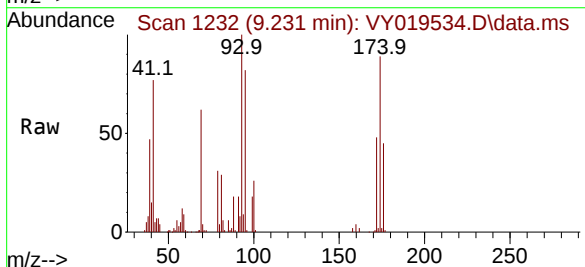
Tgt Ion: 93 Resp: 47238

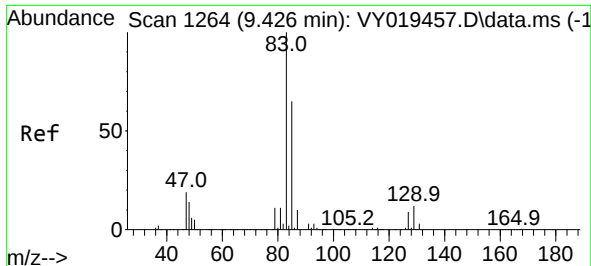
Ion Ratio Lower Upper

93 100

95 81.8 66.2 99.4

174 91.3 80.9 121.3

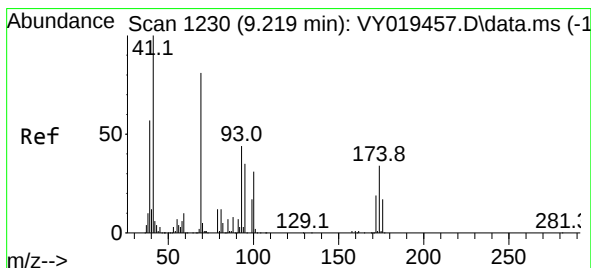
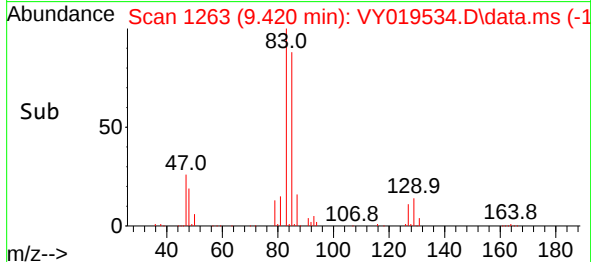
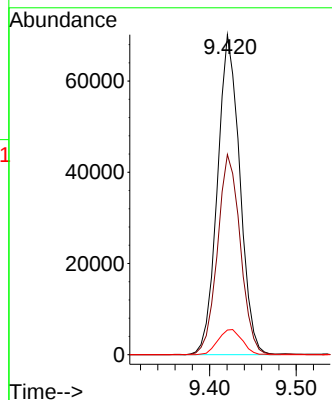
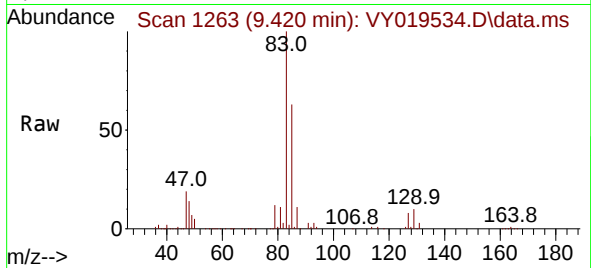




#47  
Bromodichloromethane  
Concen: 19.554 ug/l  
RT: 9.420 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

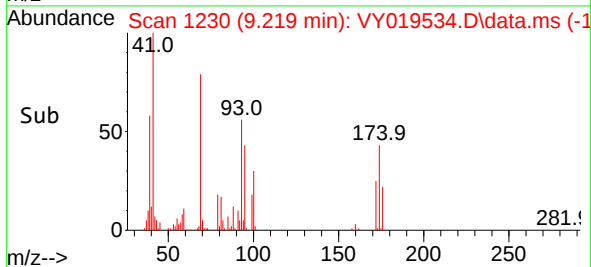
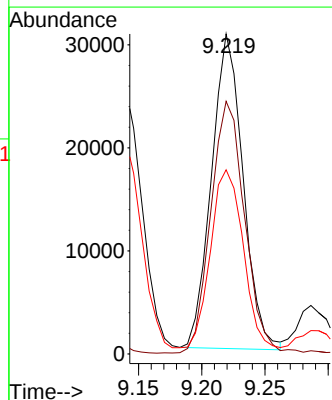
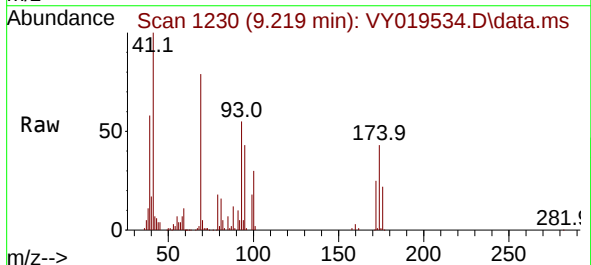
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

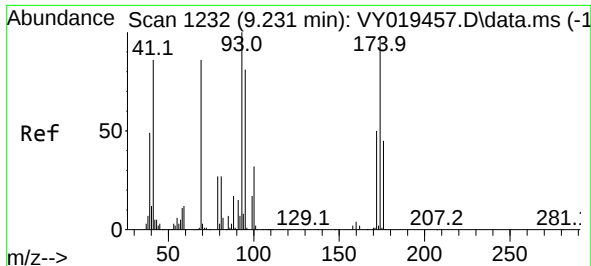
Tgt Ion: 83 Resp: 126000  
Ion Ratio Lower Upper  
83 100  
85 62.4 50.1 75.1  
127 7.7 7.4 11.0



#48  
Methyl methacrylate  
Concen: 17.906 ug/l  
RT: 9.219 min Scan# 1230  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 41 Resp: 52987  
Ion Ratio Lower Upper  
41 100  
69 86.1 84.1 126.1  
39 58.7 43.6 65.4





#49

1,4-Dioxane

Concen: 393.099 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0913SBS01

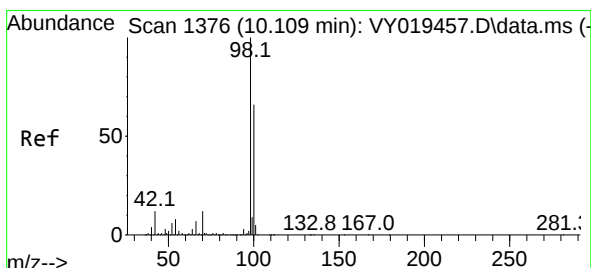
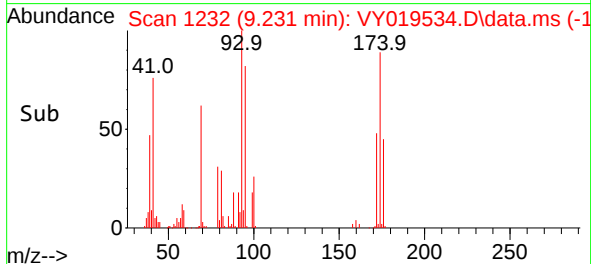
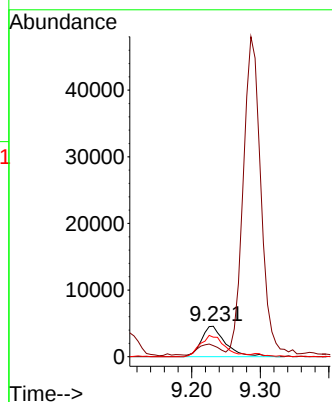
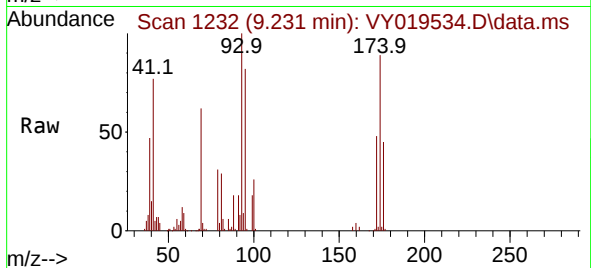
Tgt Ion: 88 Resp: 11093

Ion Ratio Lower Upper

88 100

43 31.6 0.0 0.0#

58 71.1 49.3 73.9



#50

Toluene-d8

Concen: 48.130 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019534.D

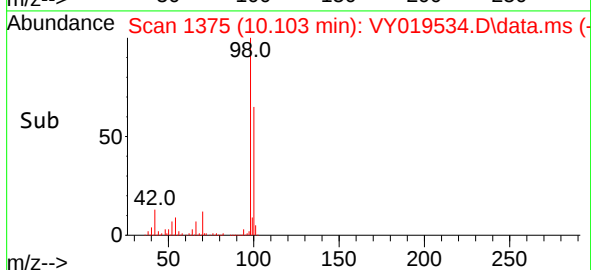
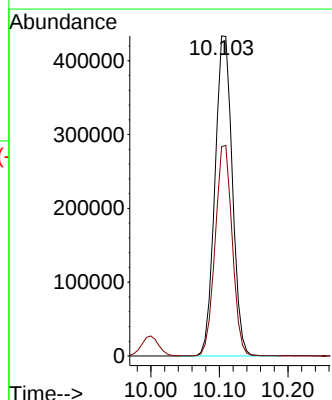
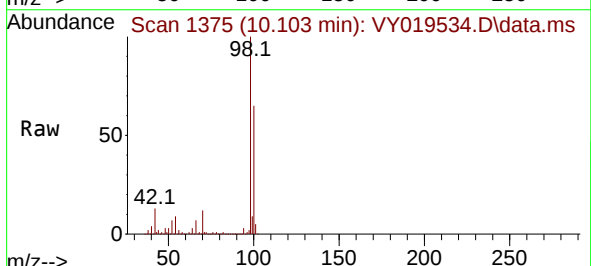
Acq: 13 Sep 2024 11:53

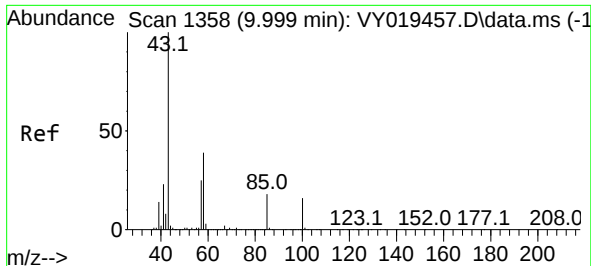
Tgt Ion: 98 Resp: 761612

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 93.875 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

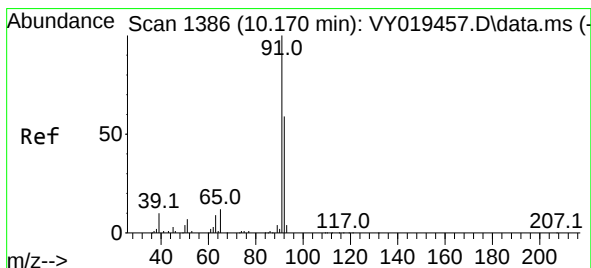
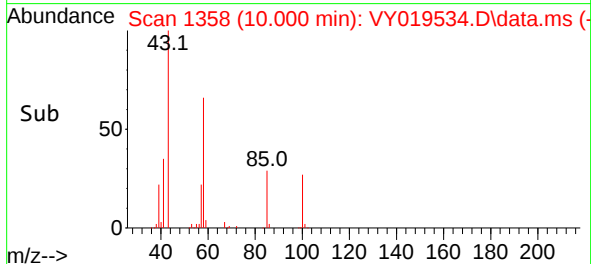
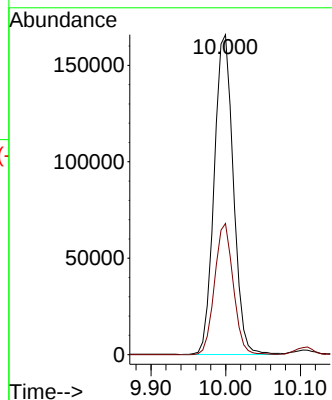
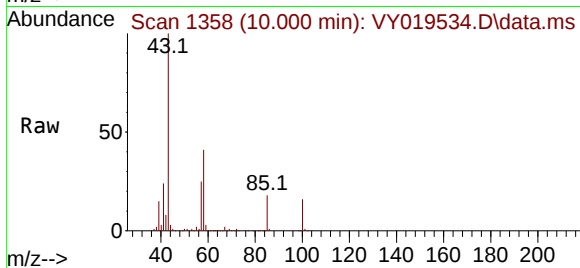
VY0913SBS01

Tgt Ion: 43 Resp: 295954

Ion Ratio Lower Upper

43 100

58 39.9 35.7 53.5



#52

Toluene

Concen: 19.003 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY019534.D

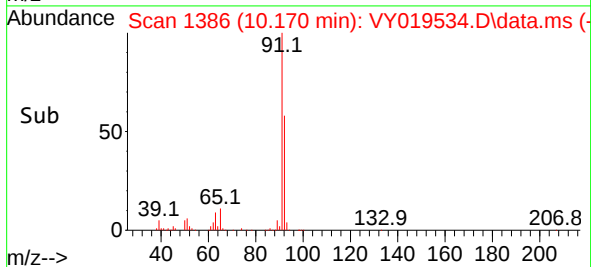
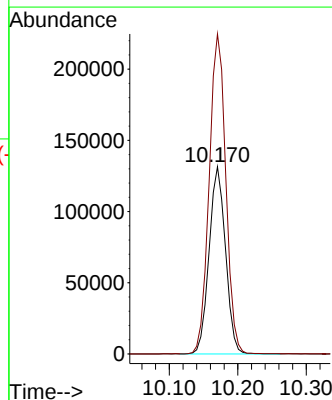
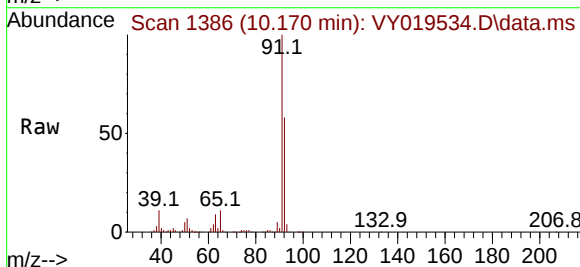
Acq: 13 Sep 2024 11:53

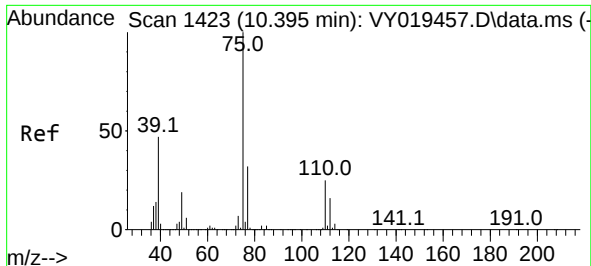
Tgt Ion: 92 Resp: 219138

Ion Ratio Lower Upper

92 100

91 173.6 139.0 208.6

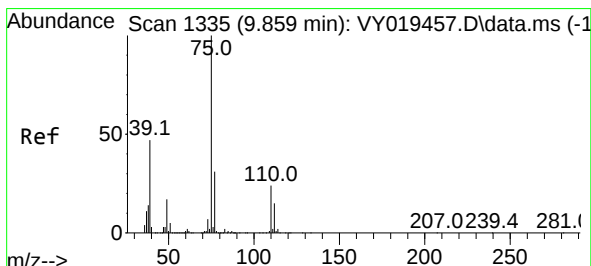
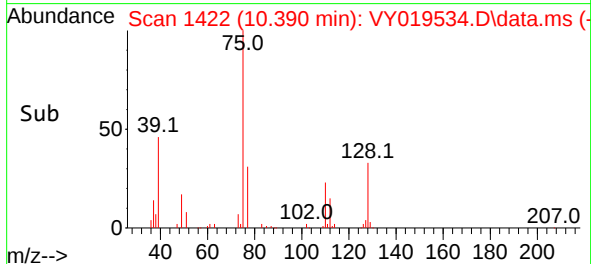
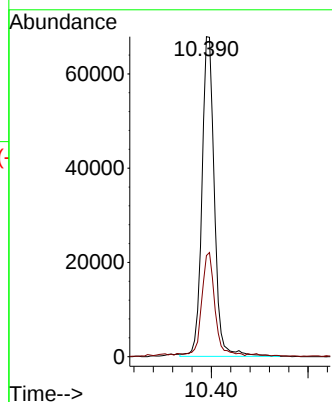
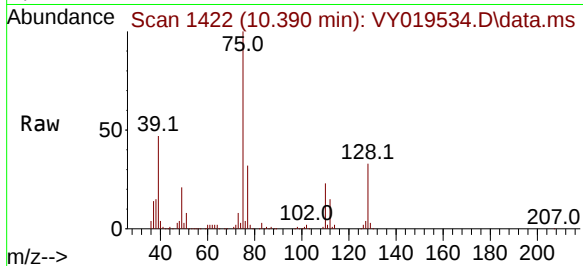




#53  
t-1,3-Dichloropropene  
Concen: 19.797 ug/l  
RT: 10.390 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

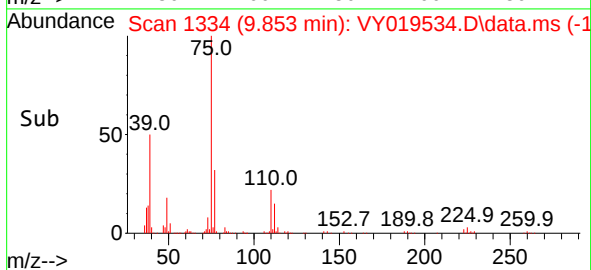
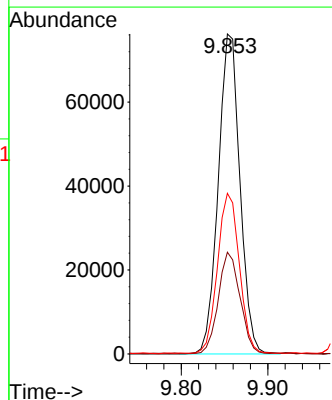
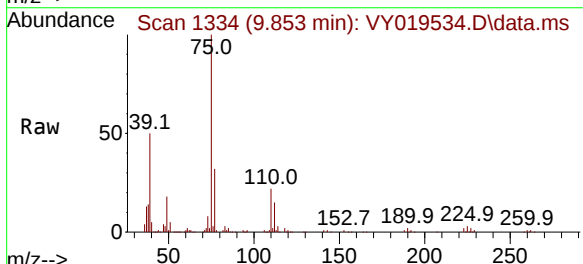
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

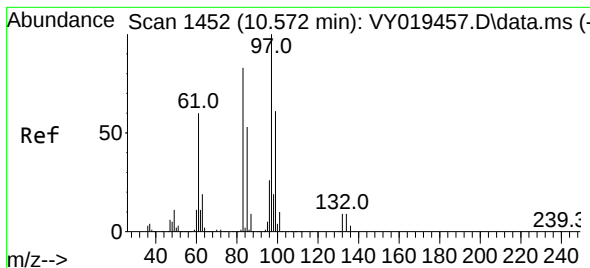
Tgt Ion: 75 Resp: 121602  
Ion Ratio Lower Upper  
75 100  
77 31.3 24.1 36.1



#54  
cis-1,3-Dichloropropene  
Concen: 18.554 ug/l  
RT: 9.853 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 75 Resp: 132706  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.4 38.0  
39 49.9 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 19.152 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0913SBS01

Tgt Ion: 97 Resp: 63400

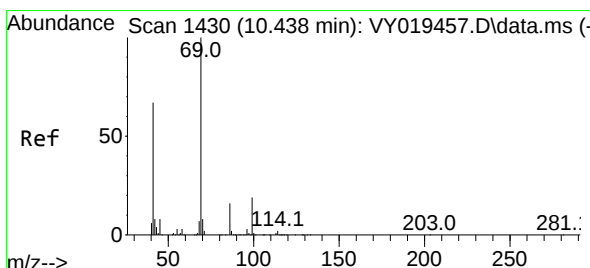
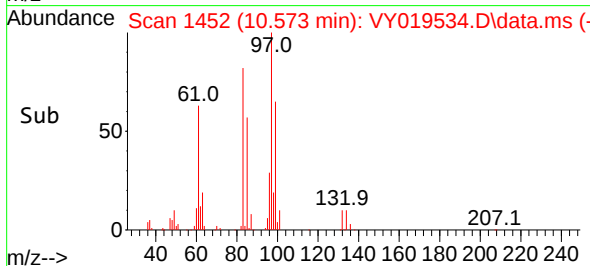
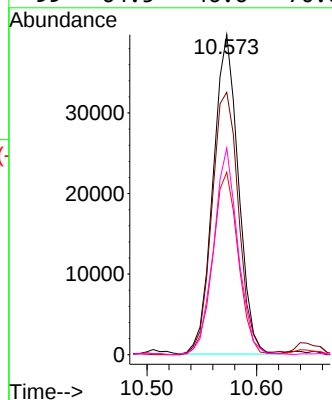
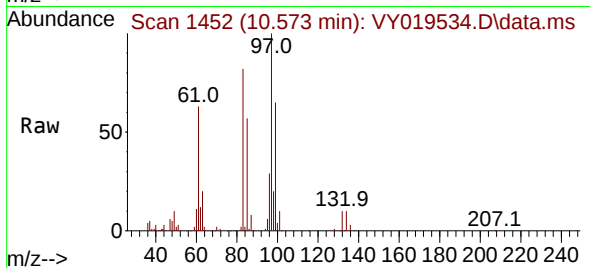
Ion Ratio Lower Upper

97 100

83 82.2 67.5 101.3

85 57.1 42.9 64.3

99 64.5 46.6 70.0



#56

Ethyl methacrylate

Concen: 18.339 ug/l

RT: 10.439 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

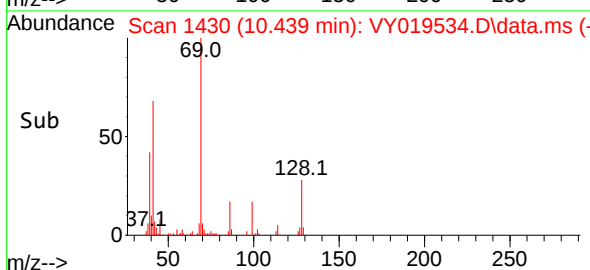
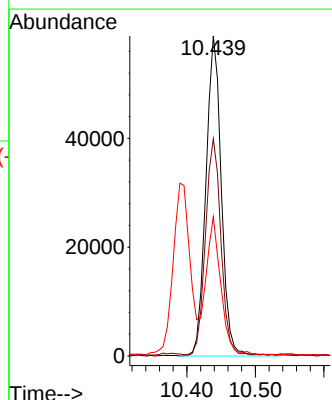
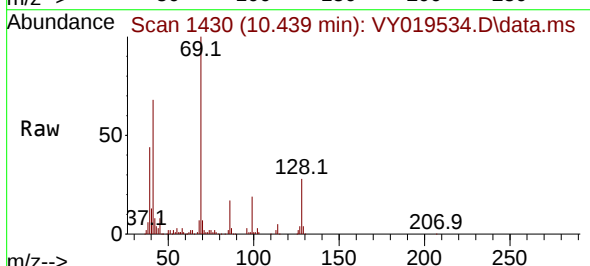
Tgt Ion: 69 Resp: 92220

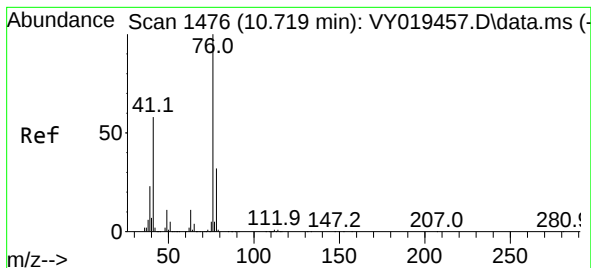
Ion Ratio Lower Upper

69 100

41 67.0 42.3 63.5#

39 41.8 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 19.137 ug/l

RT: 10.713 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

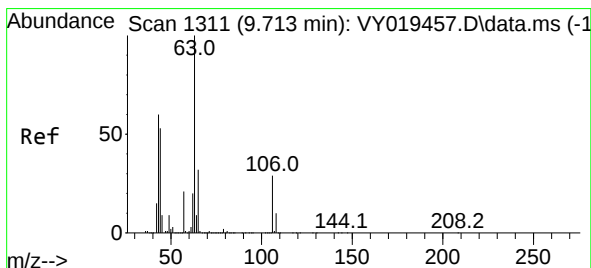
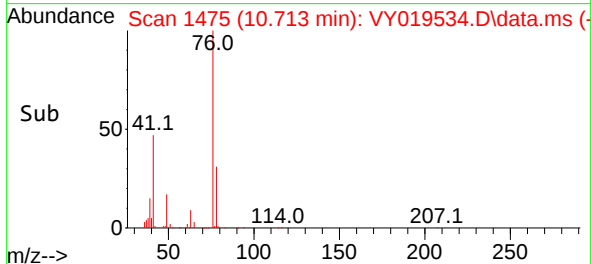
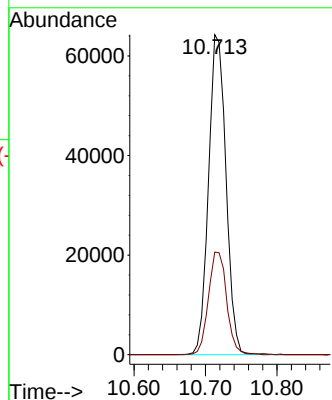
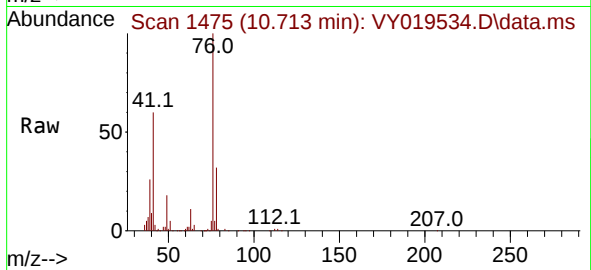
VY0913SBS01

Tgt Ion: 76 Resp: 108893

Ion Ratio Lower Upper

76 100

78 33.5 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 94.821 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY019534.D

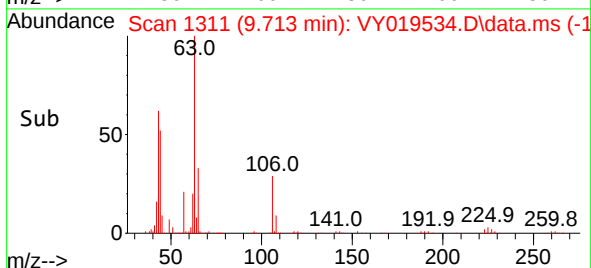
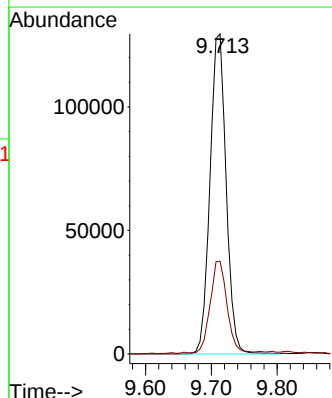
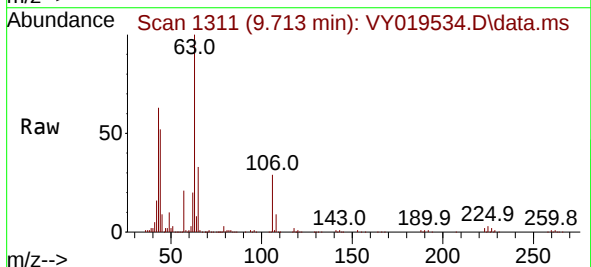
Acq: 13 Sep 2024 11:53

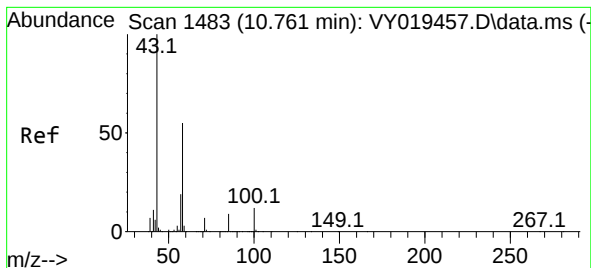
Tgt Ion: 63 Resp: 221306

Ion Ratio Lower Upper

63 100

106 29.6 23.7 35.5

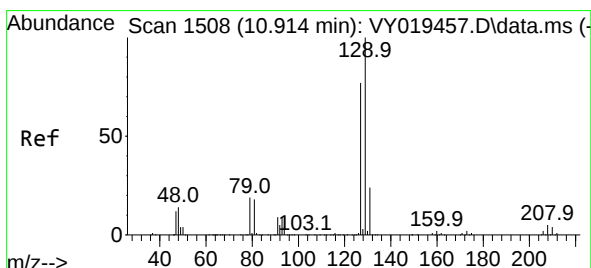
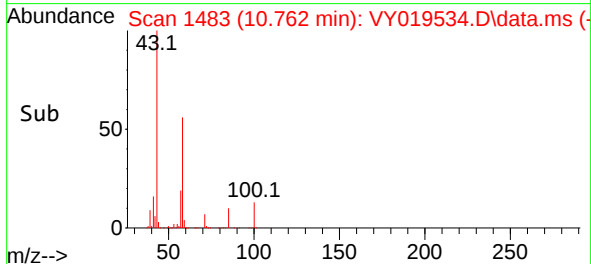
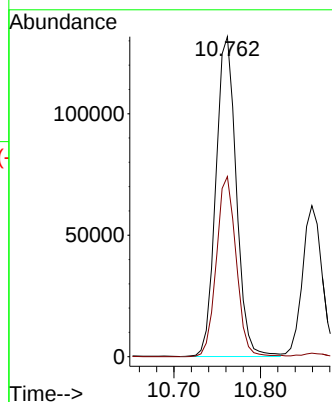
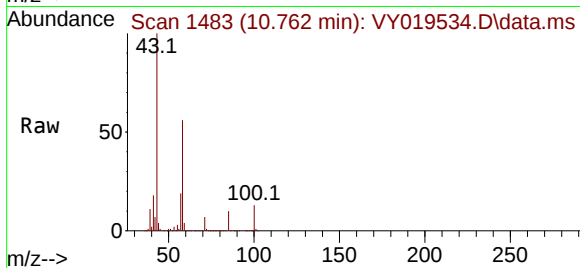




#59  
2-Hexanone  
Concen: 93.189 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

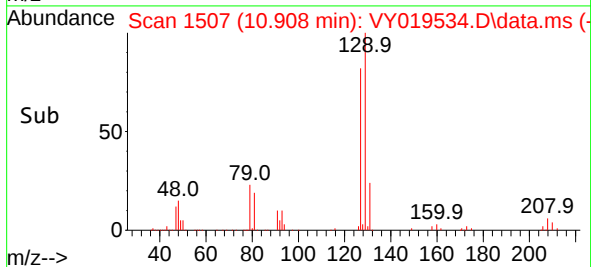
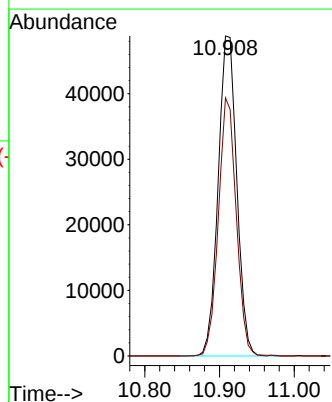
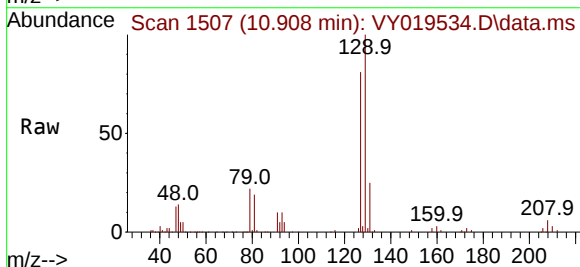
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

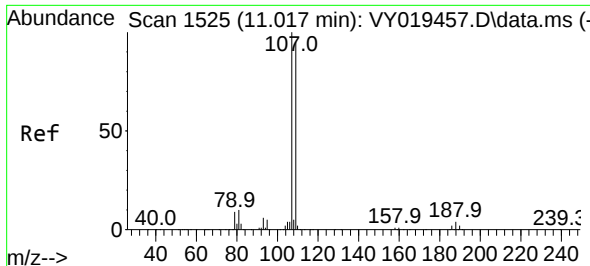
Tgt Ion: 43 Resp: 215387  
Ion Ratio Lower Upper  
43 100  
58 54.8 31.4 94.0



#60  
Dibromochloromethane  
Concen: 19.301 ug/l  
RT: 10.908 min Scan# 1507  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 129 Resp: 84521  
Ion Ratio Lower Upper  
129 100  
127 77.3 39.0 117.0

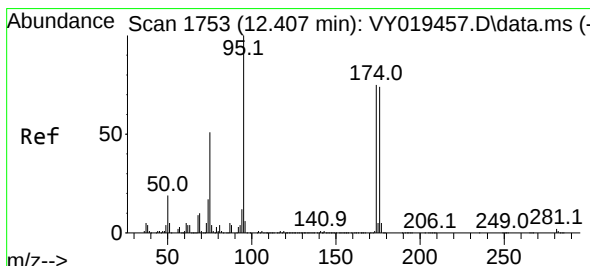
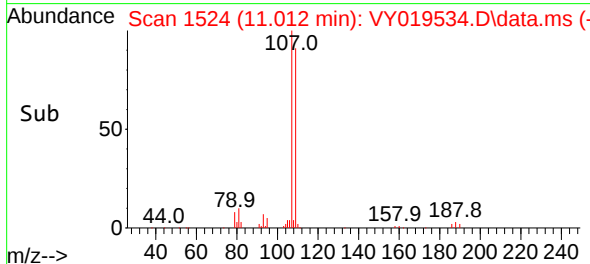
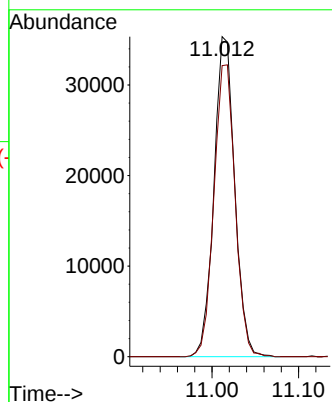
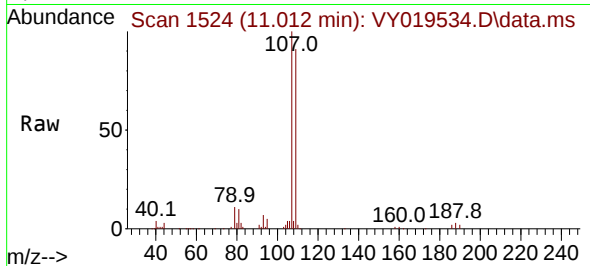




#61  
1,2-Dibromoethane  
Concen: 19.075 ug/l  
RT: 11.012 min Scan# 1524  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

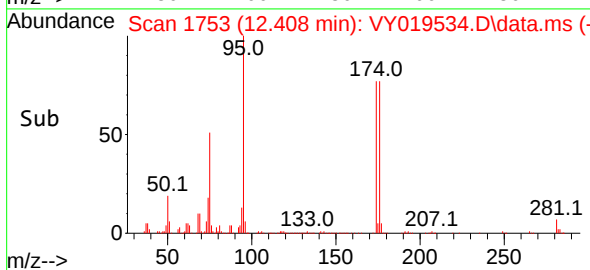
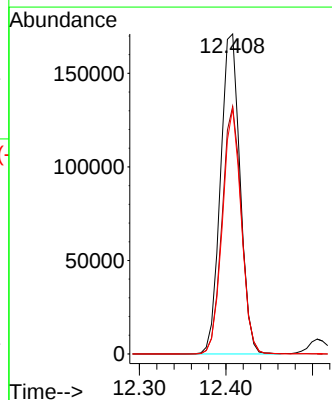
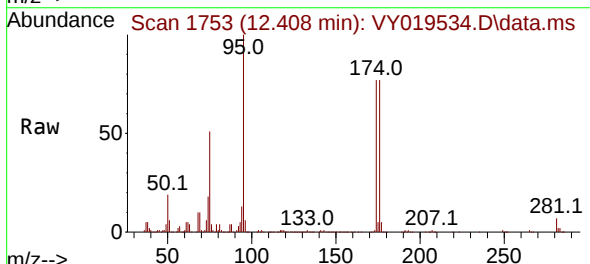
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

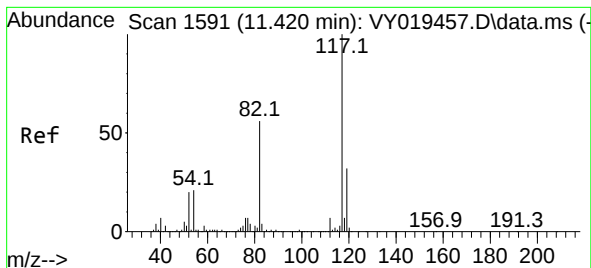
Tgt Ion:107 Resp: 58833  
Ion Ratio Lower Upper  
107 100  
109 93.4 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 44.158 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 95 Resp: 268680  
Ion Ratio Lower Upper  
95 100  
174 76.2 0.0 175.6  
176 73.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0913SBS01

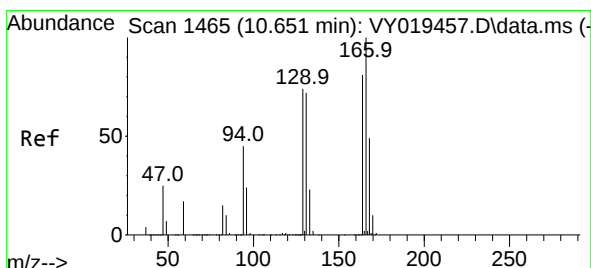
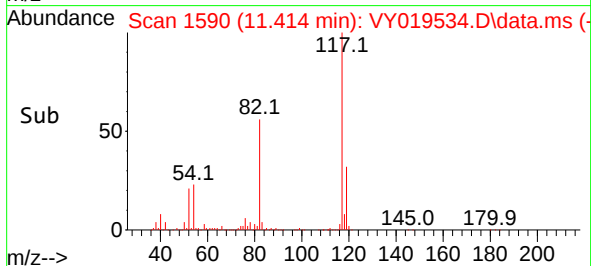
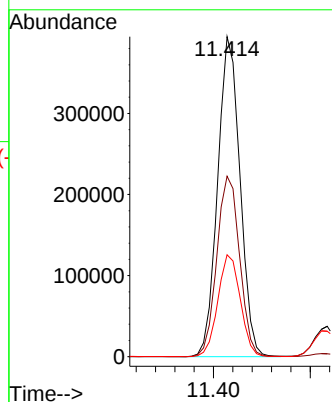
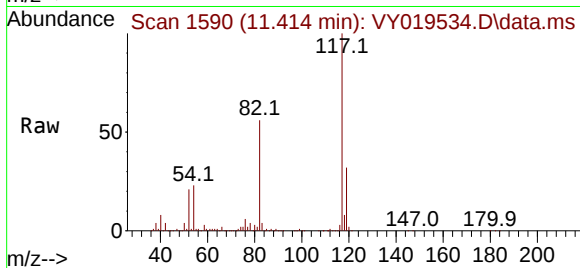
Tgt Ion:117 Resp: 632207

Ion Ratio Lower Upper

117 100

82 56.4 42.4 63.6

119 31.8 25.9 38.9



#64

Tetrachloroethene

Concen: 19.238 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Tgt Ion:164 Resp: 75314

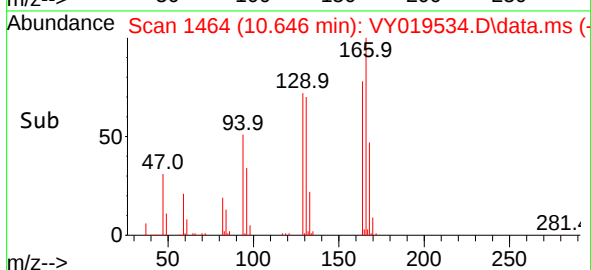
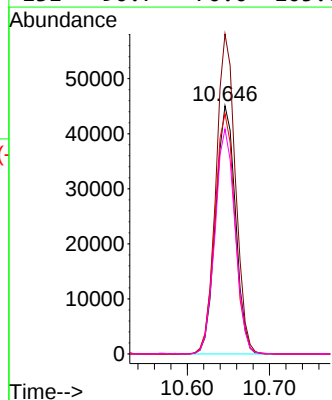
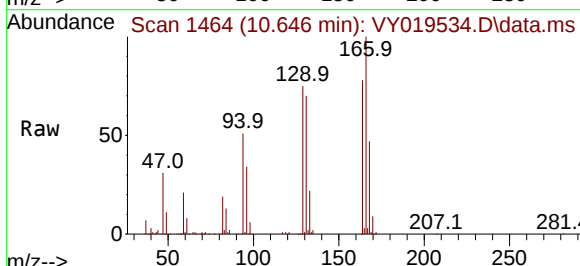
Ion Ratio Lower Upper

164 100

166 129.0 102.6 154.0

129 96.8 72.0 108.0

131 90.7 70.0 105.0

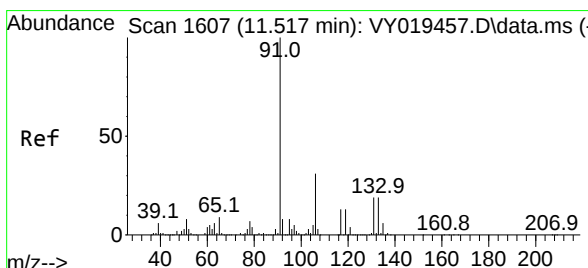
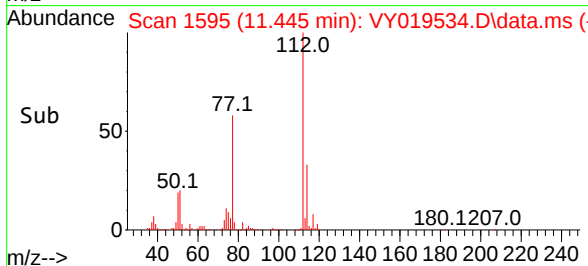
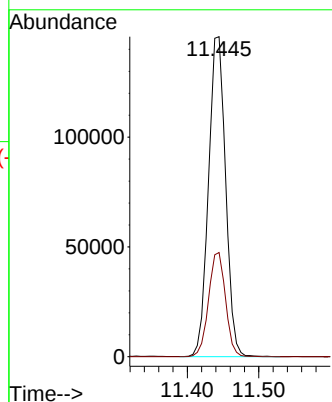
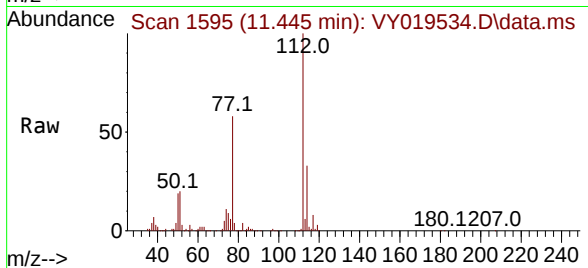




#65  
Chlorobenzene  
Concen: 19.478 ug/l  
RT: 11.445 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

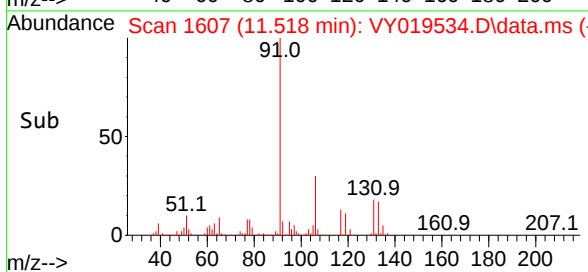
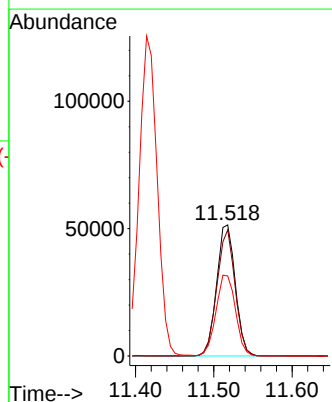
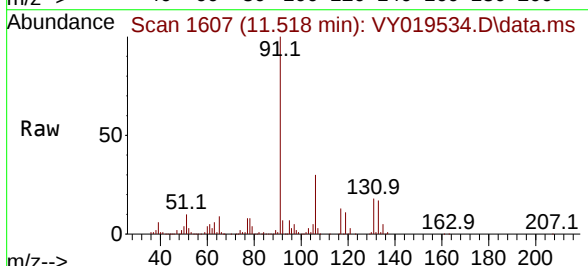
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

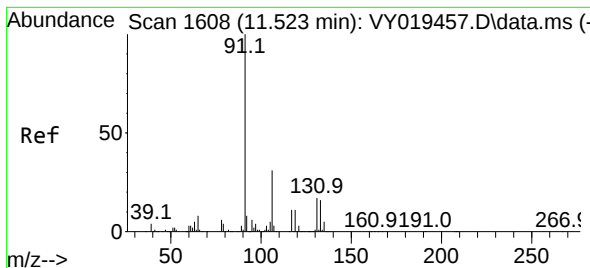
Tgt Ion:112 Resp: 242222  
Ion Ratio Lower Upper  
112 100  
114 32.6 26.4 39.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.765 ug/l  
RT: 11.518 min Scan# 1607  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion:131 Resp: 85101  
Ion Ratio Lower Upper  
131 100  
133 93.9 47.8 143.3  
119 64.5 34.1 102.2





#67

Ethyl Benzene

Concen: 19.783 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

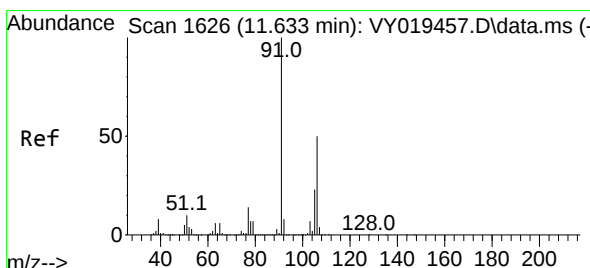
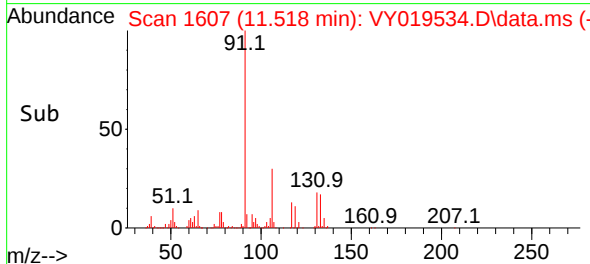
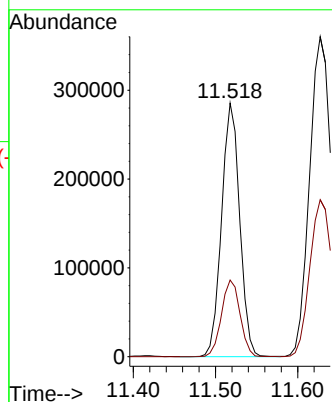
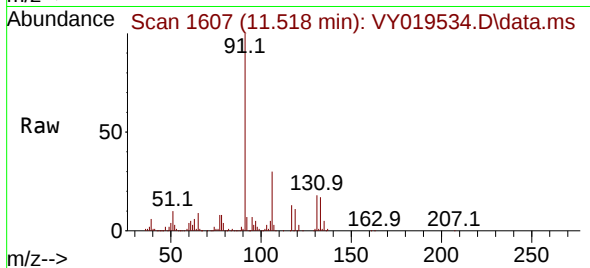
VY0913SBS01

Tgt Ion: 91 Resp: 437145

Ion Ratio Lower Upper

91 100

106 30.2 24.5 36.7



#68

m/p-Xylenes

Concen: 39.283 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY019534.D

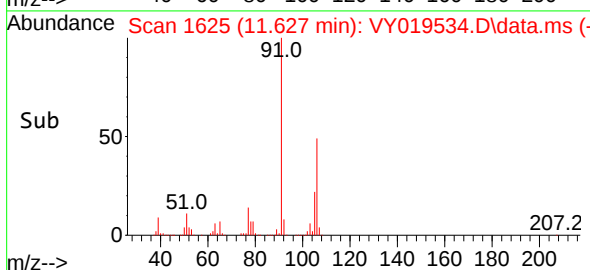
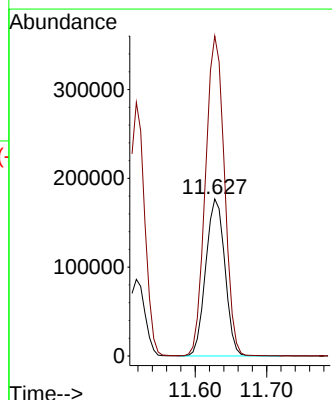
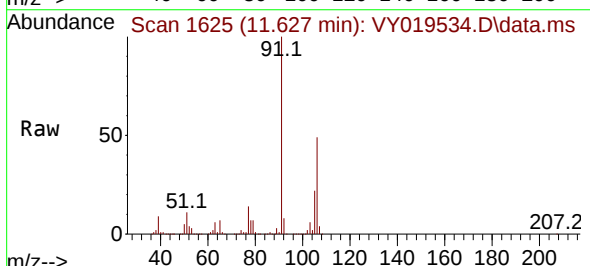
Acq: 13 Sep 2024 11:53

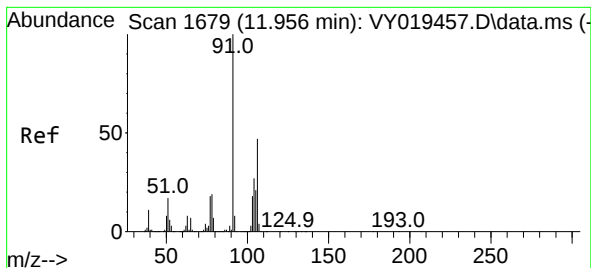
Tgt Ion: 106 Resp: 328221

Ion Ratio Lower Upper

106 100

91 202.2 156.0 234.0

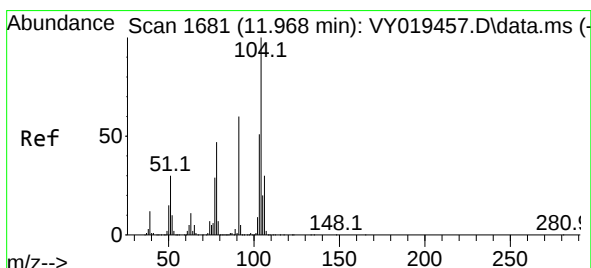
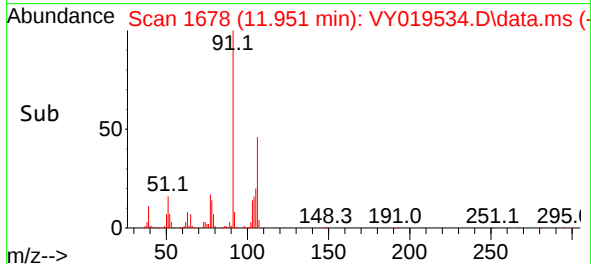
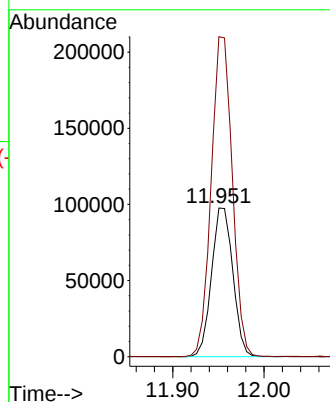
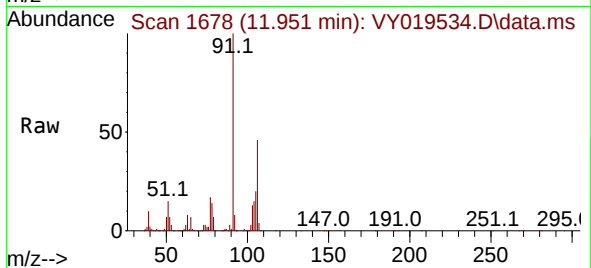




#69  
o-Xylene  
Concen: 19.380 ug/l  
RT: 11.951 min Scan# 1678  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

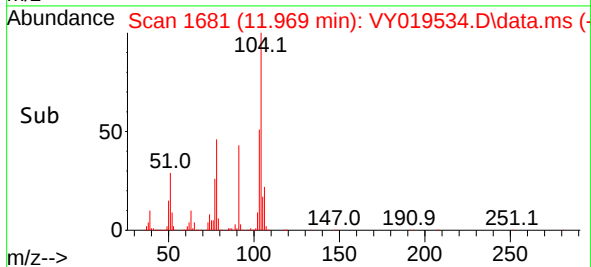
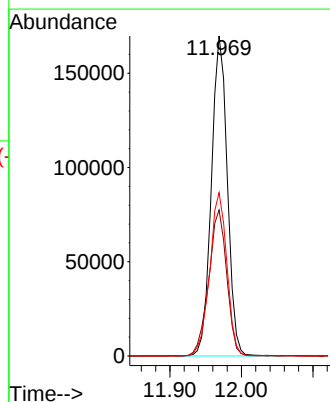
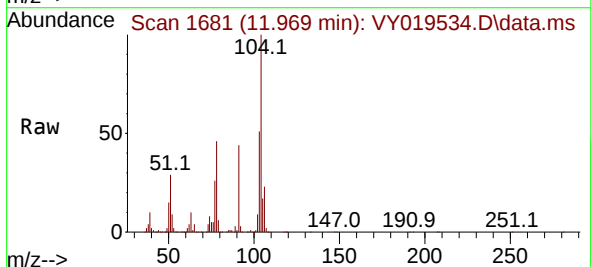
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

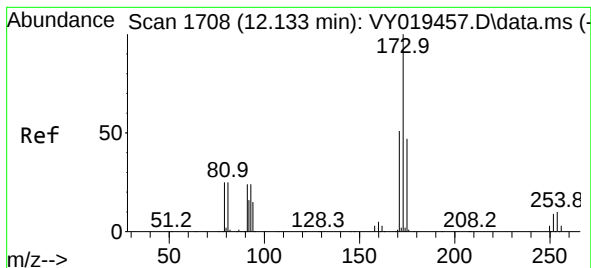
Tgt Ion:106 Resp: 158358  
Ion Ratio Lower Upper  
106 100  
91 213.5 103.6 310.8



#70  
Styrene  
Concen: 19.084 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion:104 Resp: 263286  
Ion Ratio Lower Upper  
104 100  
78 51.3 37.0 55.4  
103 55.0 44.2 66.2





#71

Bromoform

Concen: 19.050 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0913SBS01

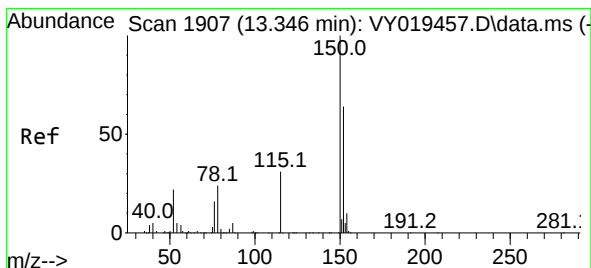
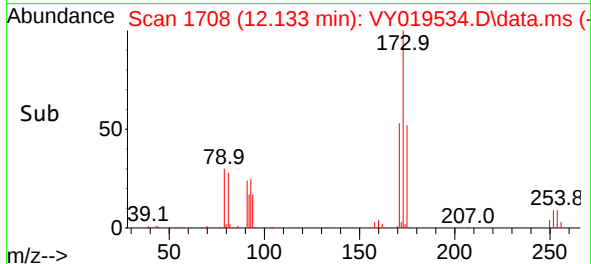
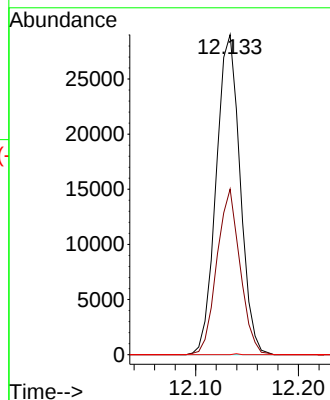
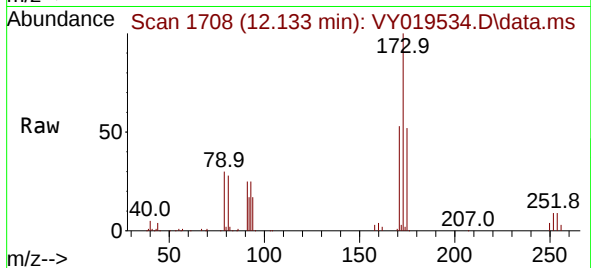
Tgt Ion:173 Resp: 46850

Ion Ratio Lower Upper

173 100

175 50.3 25.1 75.3

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

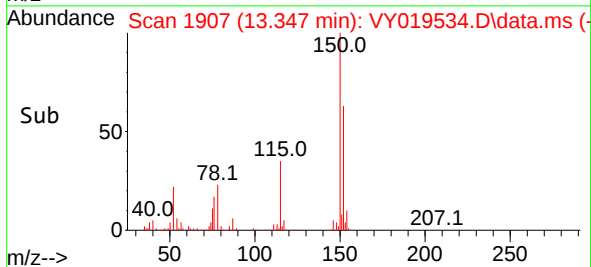
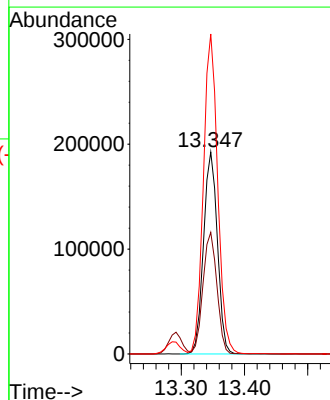
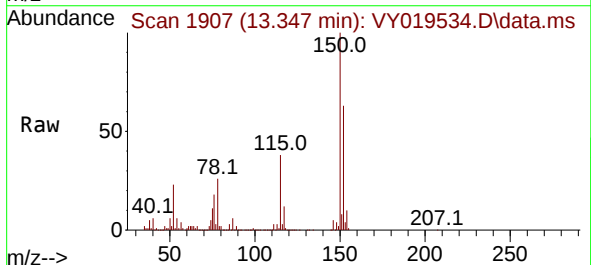
Tgt Ion:152 Resp: 294349

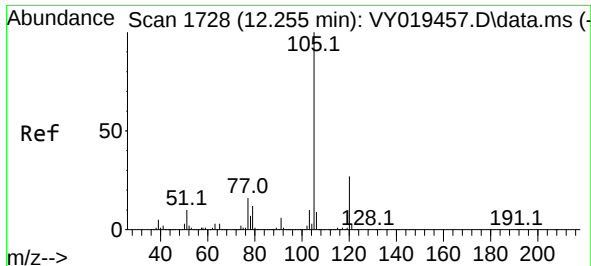
Ion Ratio Lower Upper

152 100

115 60.2 28.2 84.7

150 163.1 0.0 345.6

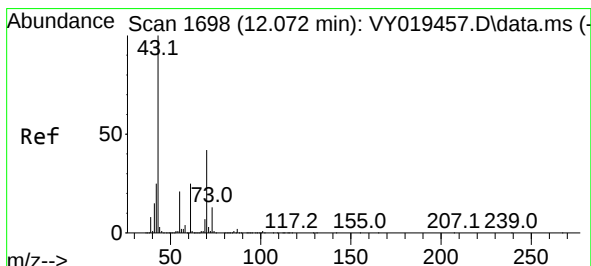
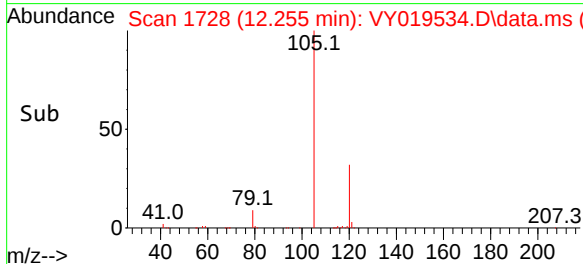
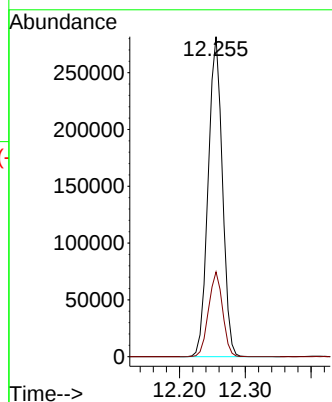
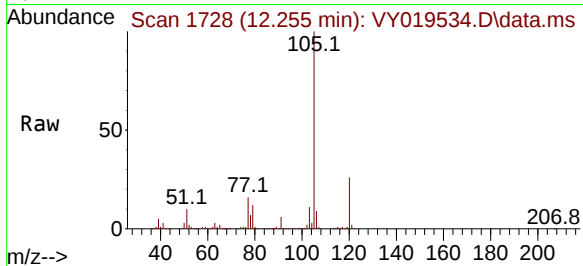




#73  
Isopropylbenzene  
Concen: 19.805 ug/l  
RT: 12.255 min Scan# 1728  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

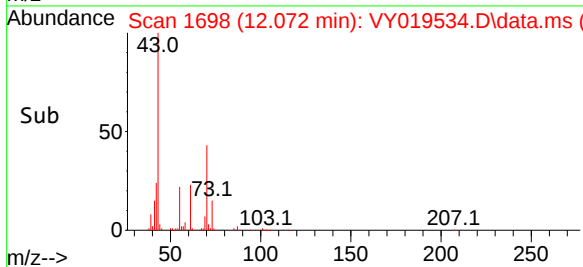
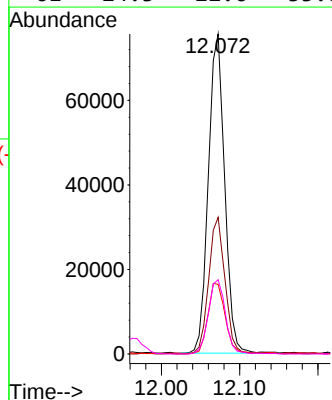
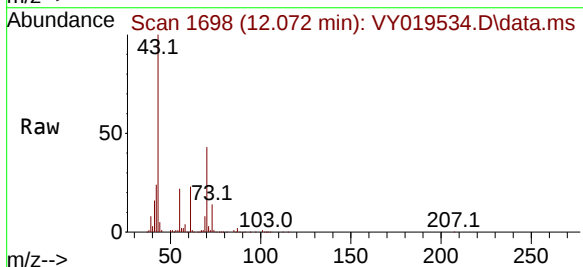
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

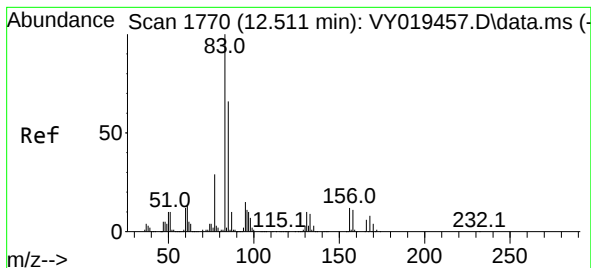
Tgt Ion:105 Resp: 422914  
Ion Ratio Lower Upper  
105 100  
120 26.2 13.4 40.1



#74  
N-ethyl acetate  
Concen: 18.812 ug/l  
RT: 12.072 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 43 Resp: 109255  
Ion Ratio Lower Upper  
43 100  
70 43.0 41.4 62.2  
55 23.1 23.3 34.9#  
61 24.3 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.990 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0913SBS01

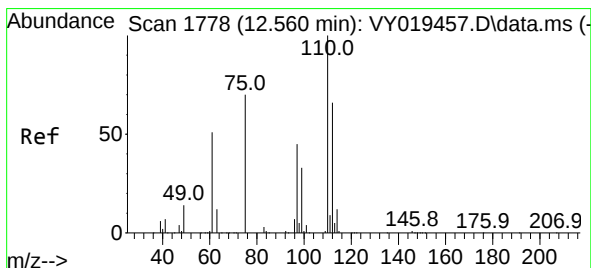
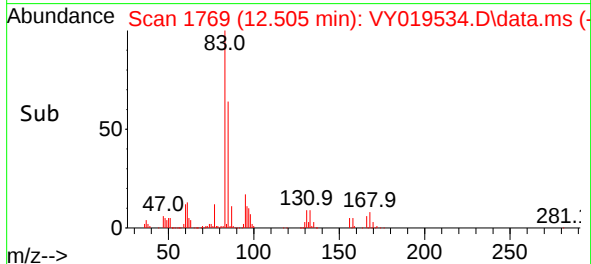
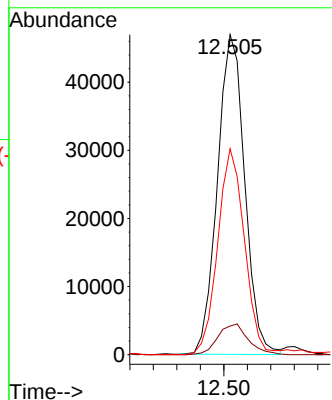
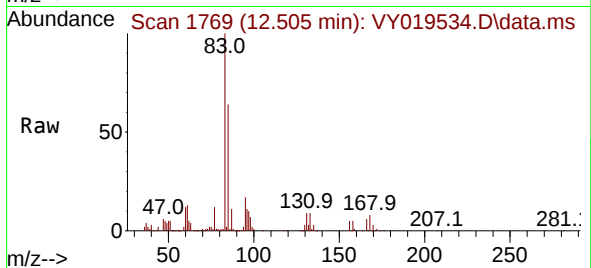
Tgt Ion: 83 Resp: 75767

Ion Ratio Lower Upper

83 100

131 10.6 5.0 14.9

85 63.2 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 35.346 ug/l

RT: 12.554 min Scan# 1777

Delta R.T. -0.006 min

Lab File: VY019534.D

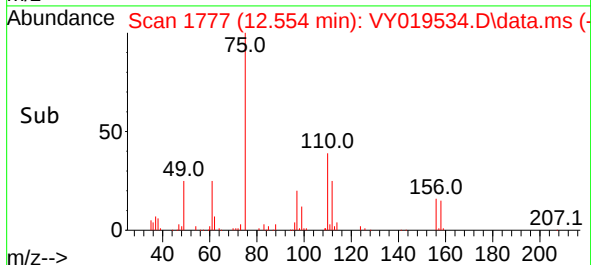
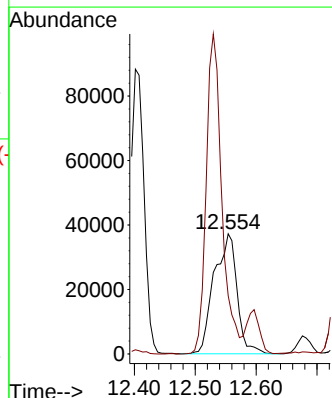
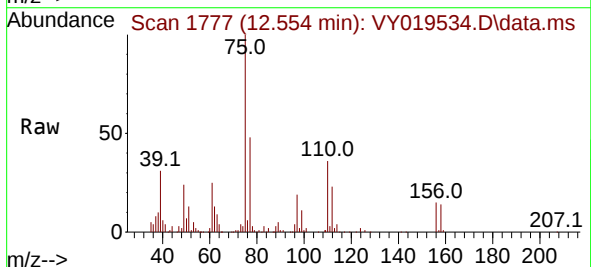
Acq: 13 Sep 2024 11:53

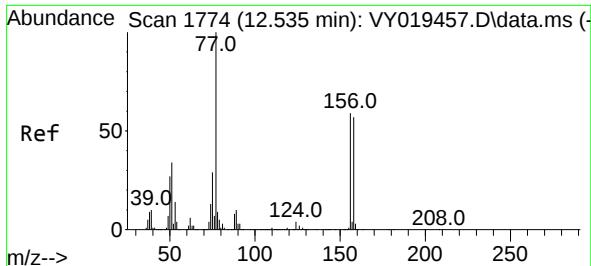
Tgt Ion: 75 Resp: 97516

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

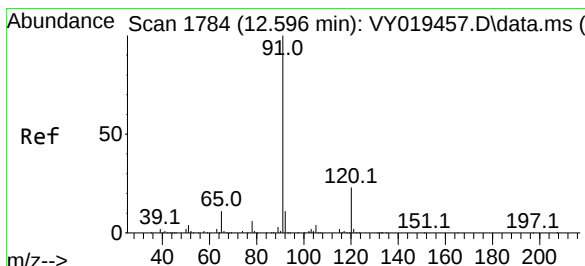
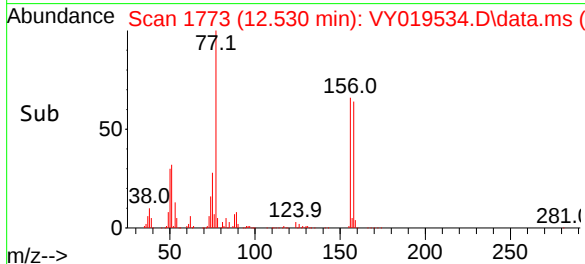
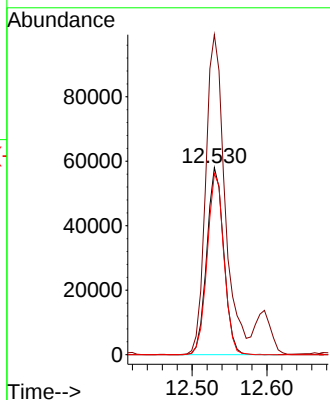
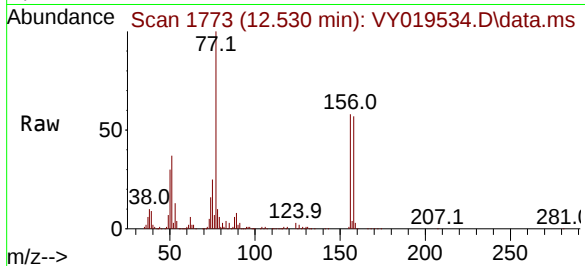




#77  
Bromobenzene  
Concen: 19.319 ug/l  
RT: 12.530 min Scan# 1774  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

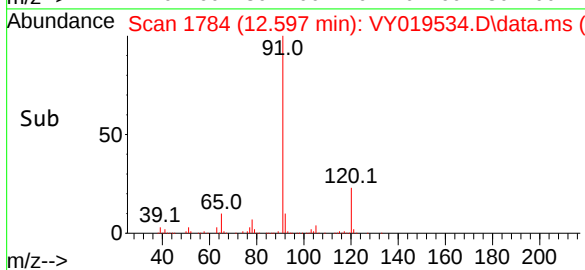
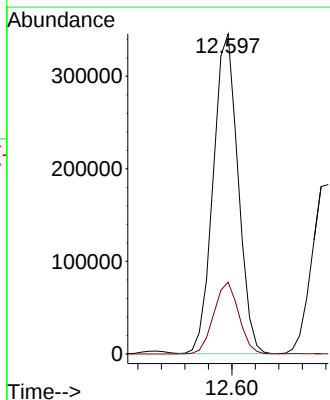
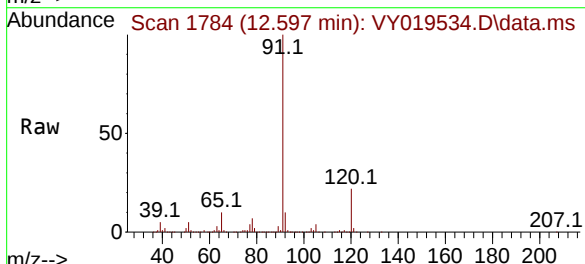
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

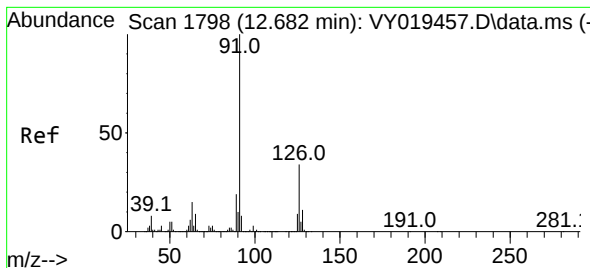
Tgt Ion:156 Resp: 91496  
Ion Ratio Lower Upper  
156 100  
77 193.4 87.1 261.3  
158 95.6 48.6 145.9



#78  
n-propylbenzene  
Concen: 20.046 ug/l  
RT: 12.597 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 91 Resp: 507361  
Ion Ratio Lower Upper  
91 100  
120 22.5 11.5 34.4

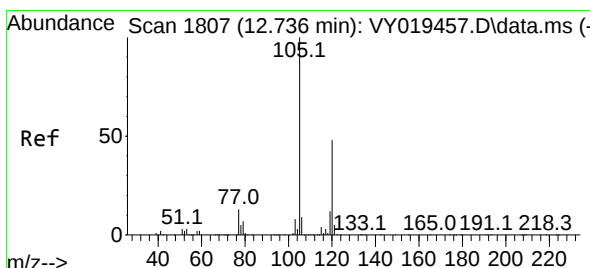
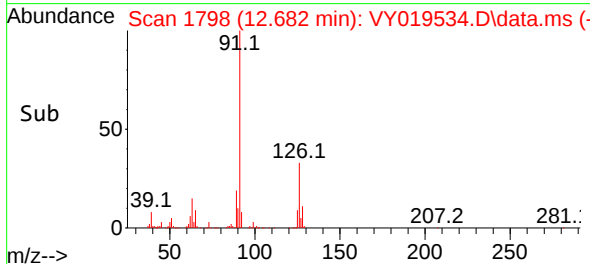
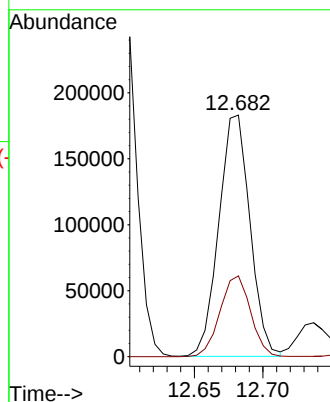
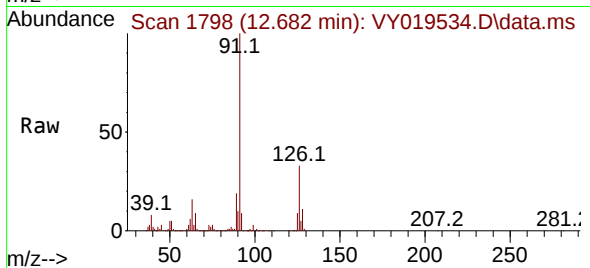




#79  
2-Chlorotoluene  
Concen: 19.686 ug/l  
RT: 12.682 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

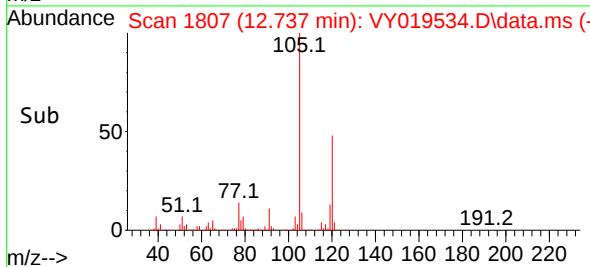
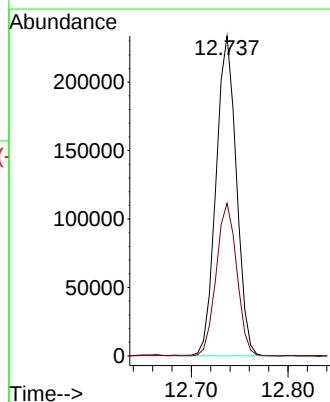
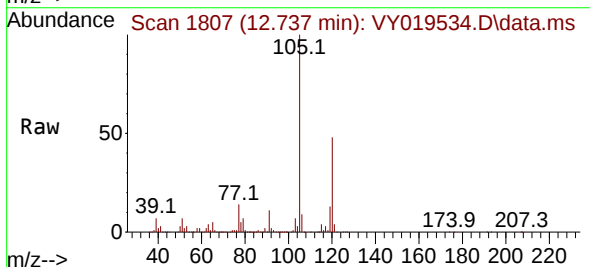
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

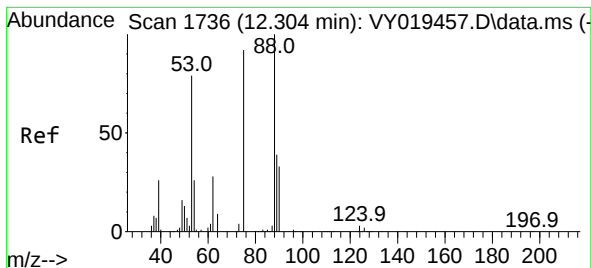
Tgt Ion: 91 Resp: 290379  
Ion Ratio Lower Upper  
91 100  
126 32.8 17.8 53.5



#80  
1,3,5-Trimethylbenzene  
Concen: 19.616 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion: 105 Resp: 340528  
Ion Ratio Lower Upper  
105 100  
120 48.4 25.1 75.2

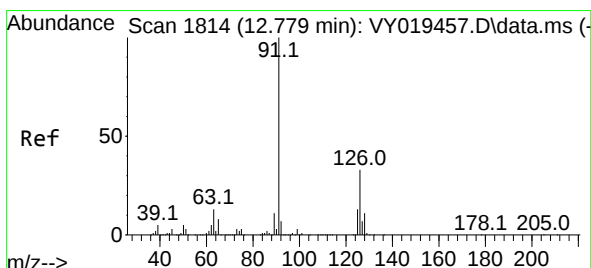
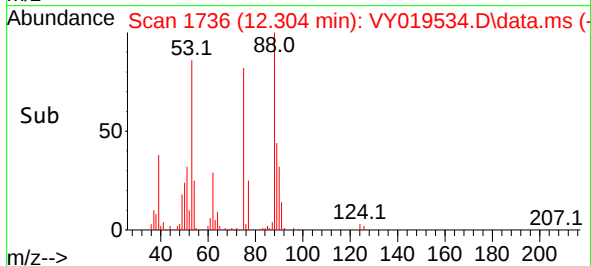
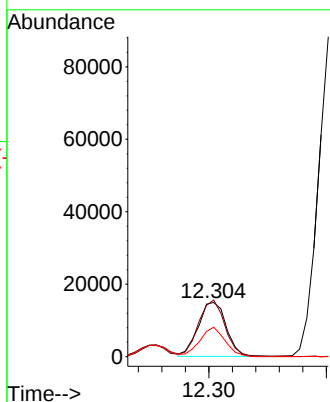
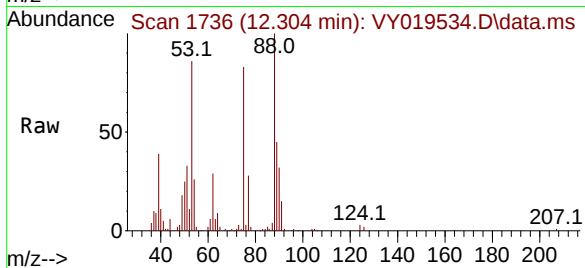




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.136 ug/l  
RT: 12.304 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

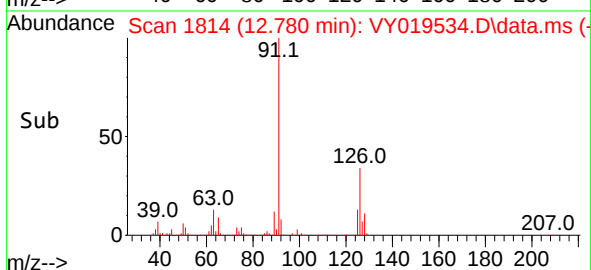
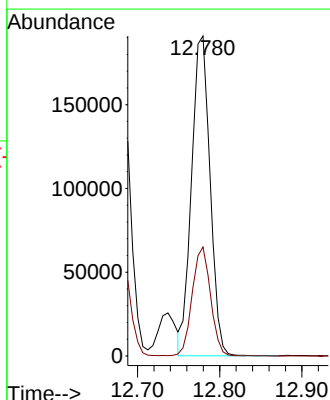
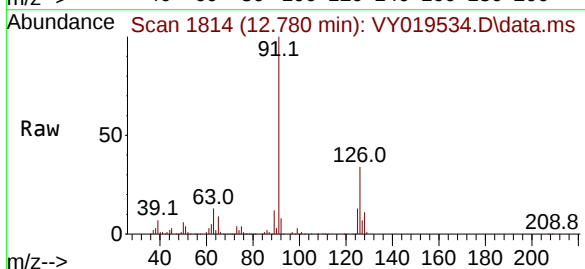
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

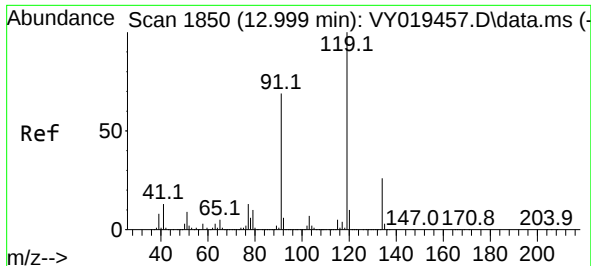
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 24627 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 98.7  | 66.8  | 100.2 |
| 89       | 49.4  | 35.8  | 53.6  |



#82  
4-Chlorotoluene  
Concen: 19.699 ug/l  
RT: 12.780 min Scan# 1814  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 298720 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 33.8  | 17.6  | 52.9   |

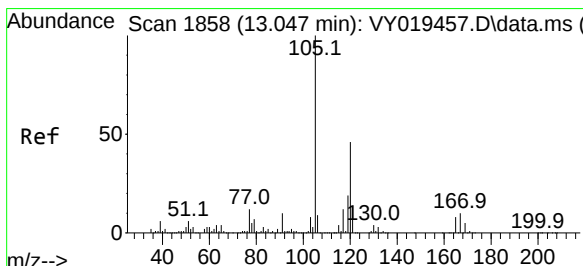
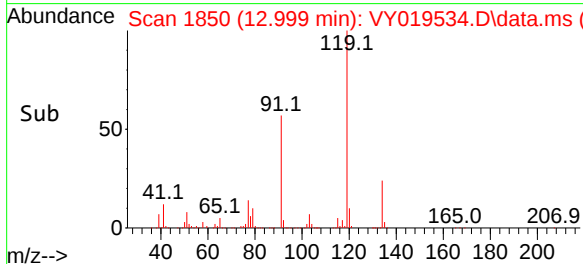
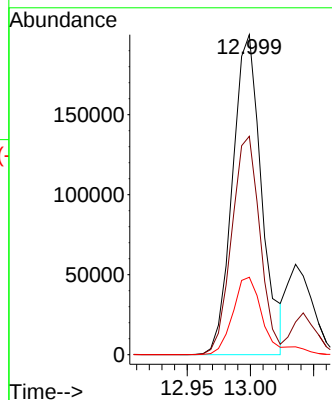
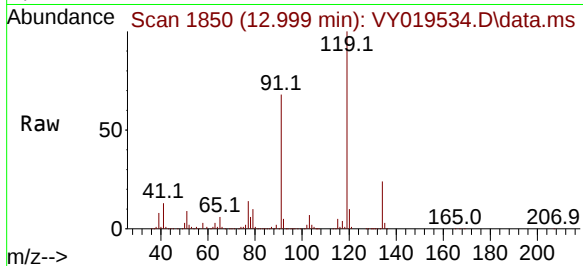




#83  
tert-Butylbenzene  
Concen: 20.362 ug/l  
RT: 12.999 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

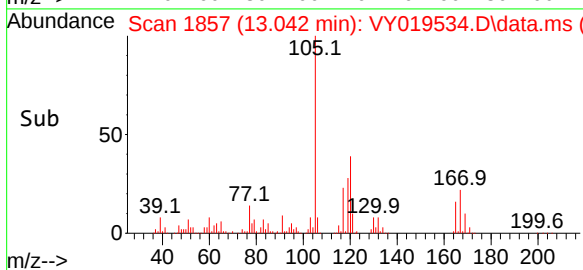
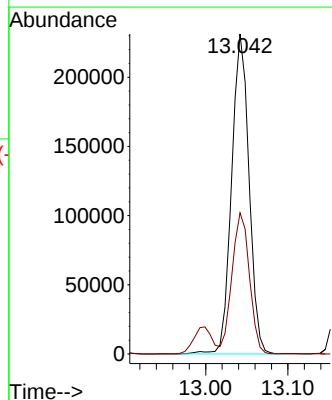
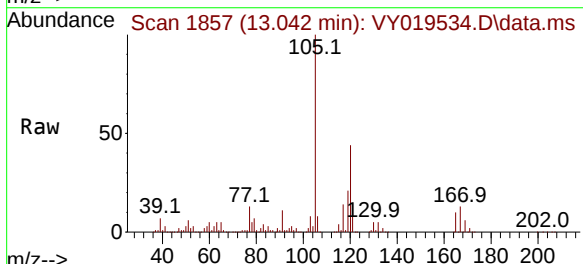
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

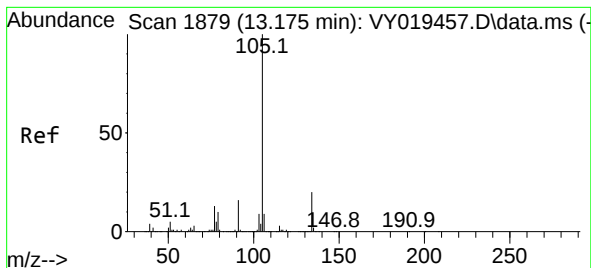
Tgt Ion:119 Resp: 320011  
Ion Ratio Lower Upper  
119 100  
91 66.4 31.3 93.8  
134 25.6 13.4 40.1



#84  
1,2,4-Trimethylbenzene  
Concen: 19.753 ug/l  
RT: 13.042 min Scan# 1857  
Delta R.T. -0.006 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

Tgt Ion:105 Resp: 339434  
Ion Ratio Lower Upper  
105 100  
120 44.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 20.188 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

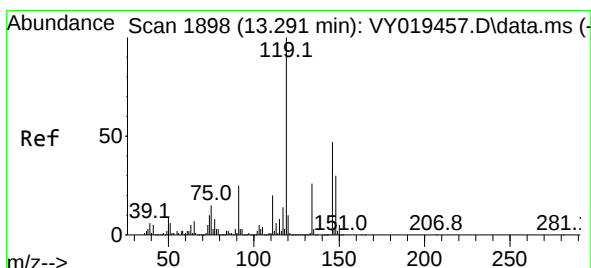
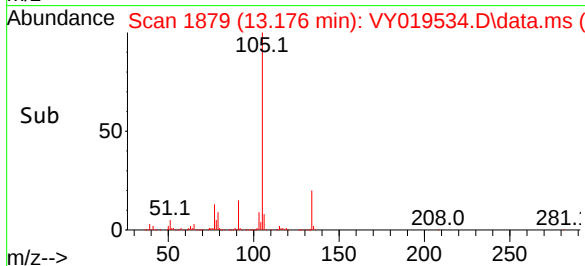
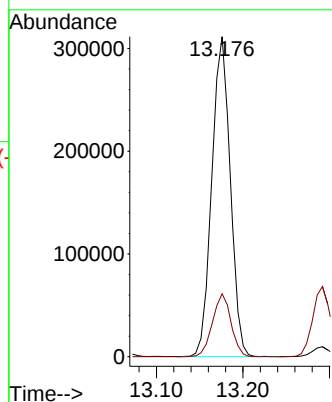
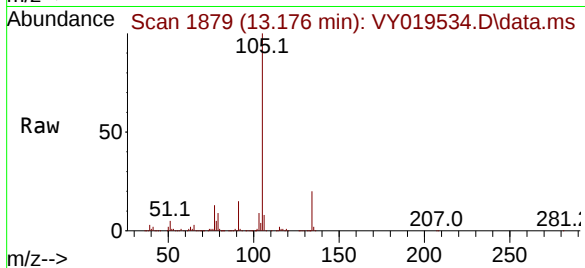
VY0913SBS01

Tgt Ion:105 Resp: 460908

Ion Ratio Lower Upper

105 100

134 19.7 10.1 30.1



#86

p-Isopropyltoluene

Concen: 19.994 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

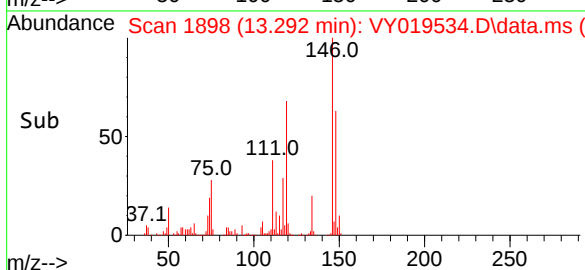
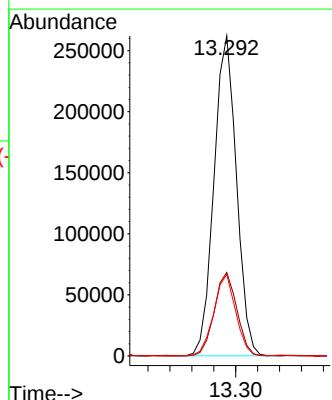
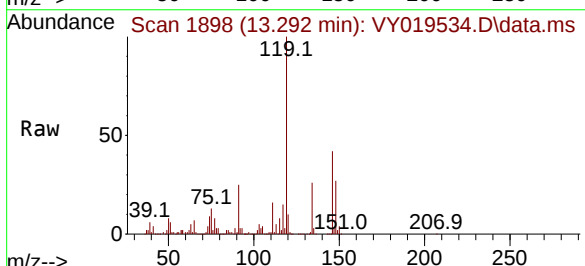
Tgt Ion:119 Resp: 373468

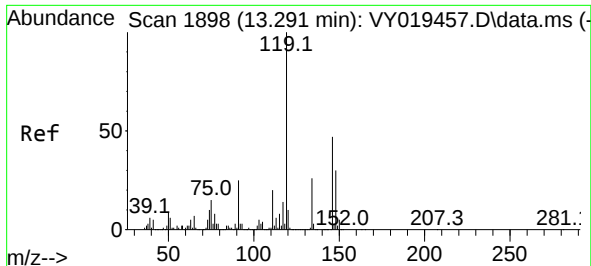
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 24.7 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 20.076 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0913SBS01

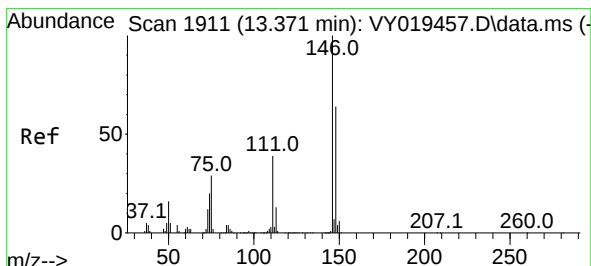
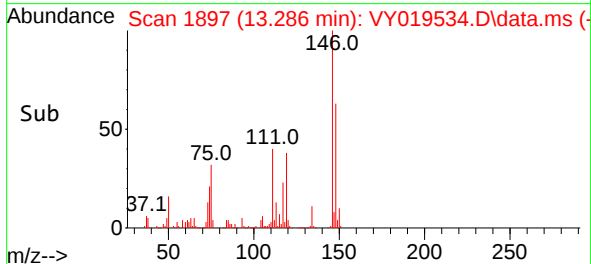
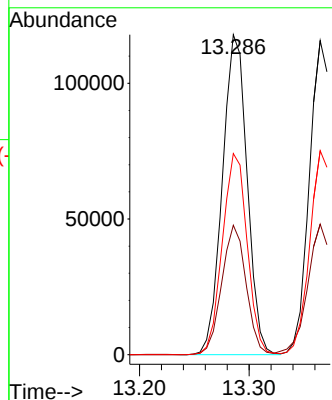
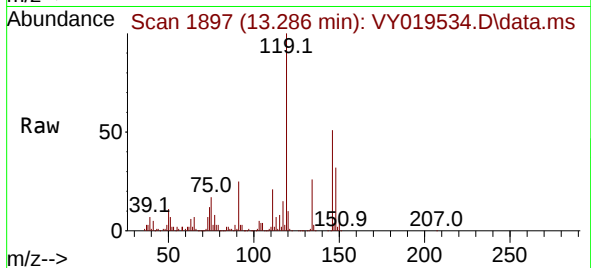
Tgt Ion:146 Resp: 184754

Ion Ratio Lower Upper

146 100

111 39.8 19.0 57.0

148 63.1 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 19.451 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

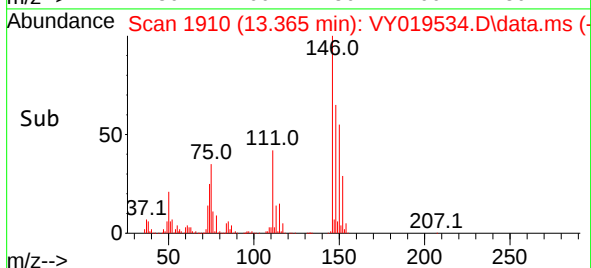
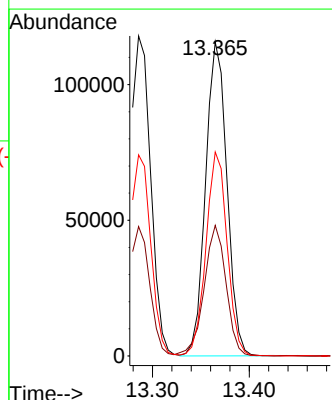
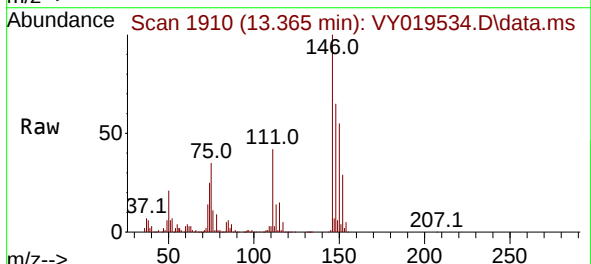
Tgt Ion:146 Resp: 177644

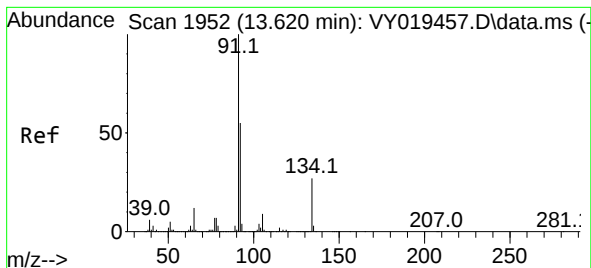
Ion Ratio Lower Upper

146 100

111 42.9 18.4 55.4

148 64.5 32.4 97.2





#89

n-Butylbenzene

Concen: 19.856 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0913SBS01

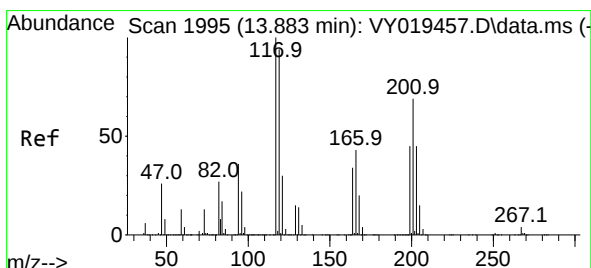
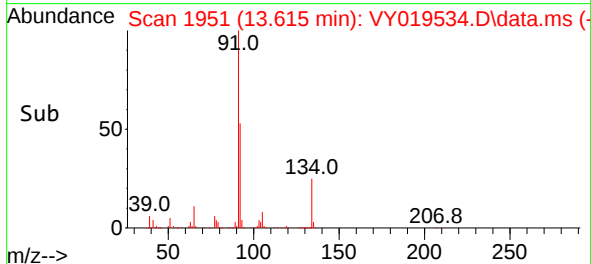
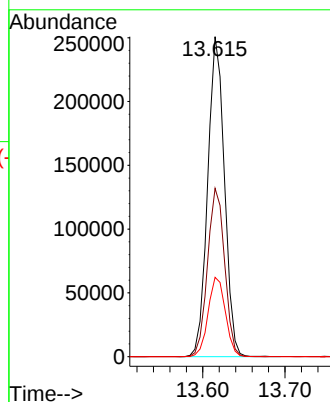
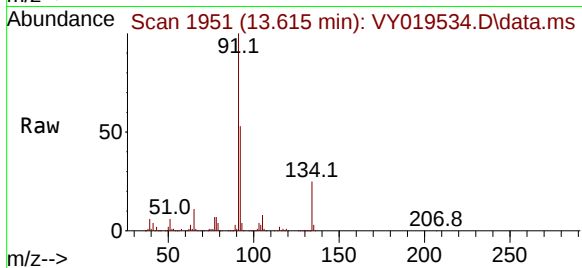
Tgt Ion: 91 Resp: 354572

Ion Ratio Lower Upper

91 100

92 53.8 26.6 79.7

134 25.7 12.9 38.7



#90

Hexachloroethane

Concen: 19.616 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY019534.D

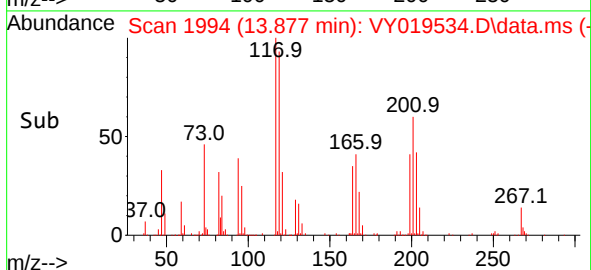
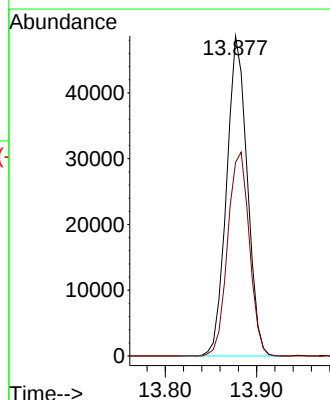
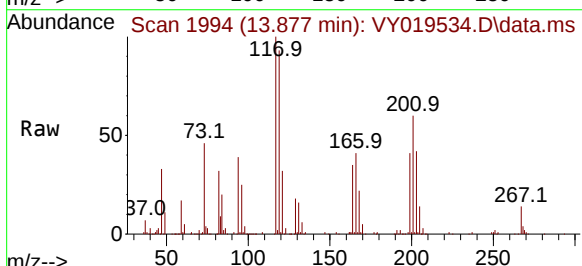
Acq: 13 Sep 2024 11:53

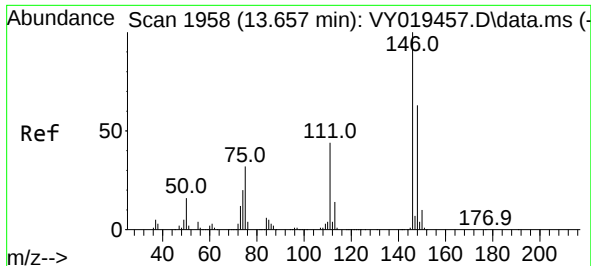
Tgt Ion: 117 Resp: 76240

Ion Ratio Lower Upper

117 100

201 67.0 37.4 112.2

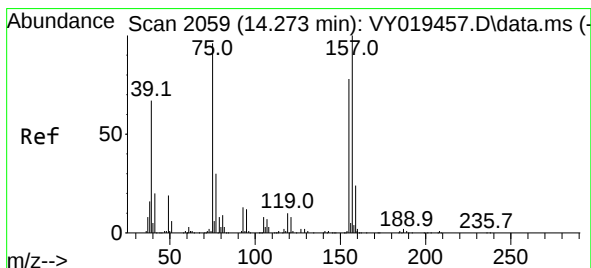
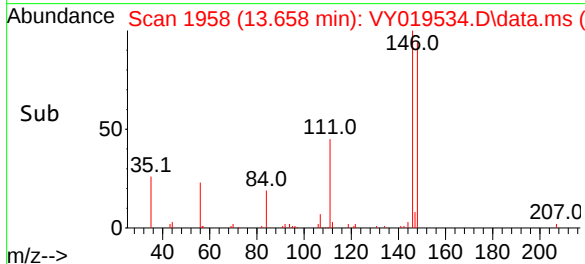
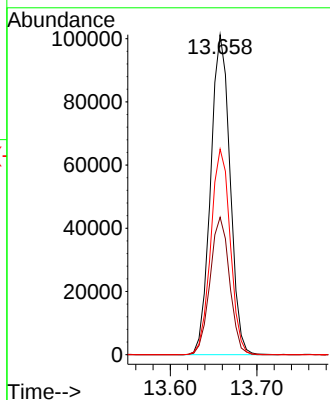
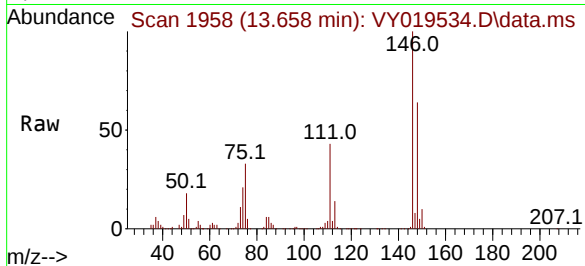




#91  
1,2-Dichlorobenzene  
Concen: 19.182 ug/l  
RT: 13.658 min Scan# 1958  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

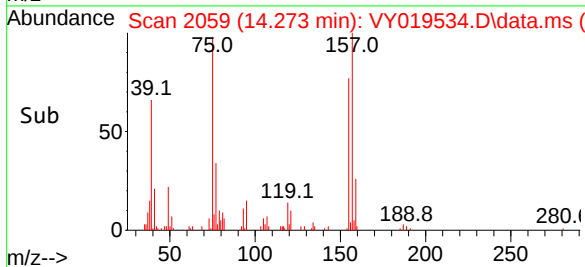
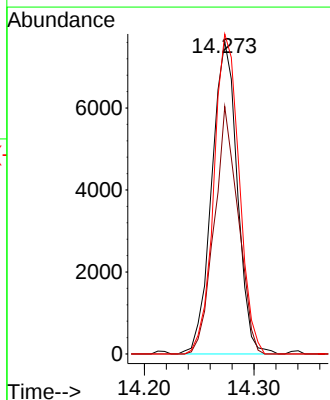
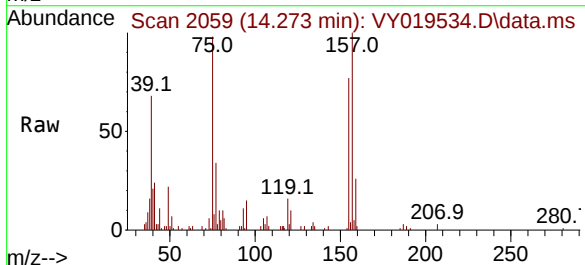
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBS01

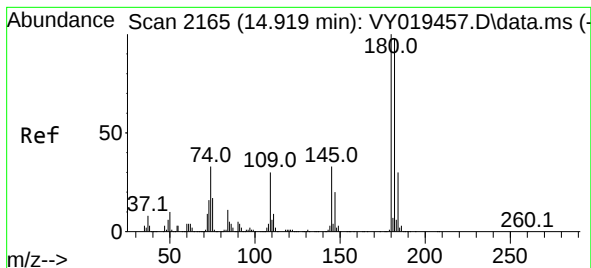
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.1  | 19.9  | 59.7  |
| 148     | 64.3  | 31.8  | 95.4  |



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 19.505 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. 0.000 min  
Lab File: VY019534.D  
Acq: 13 Sep 2024 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 74.2  | 48.6  | 145.8 |
| 157     | 101.3 | 62.7  | 188.2 |





#93

1,2,4-Trichlorobenzene

Concen: 17.712 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0913SBS01

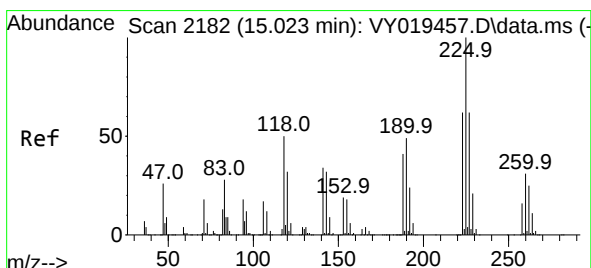
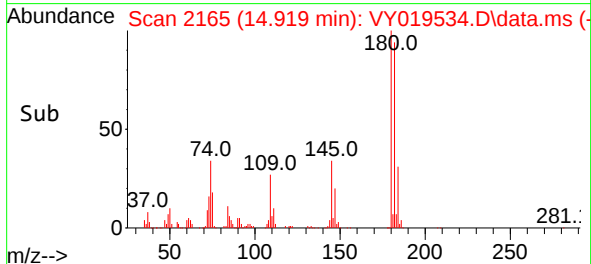
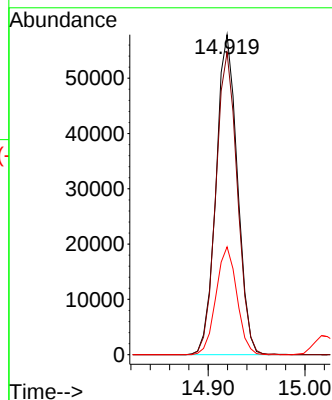
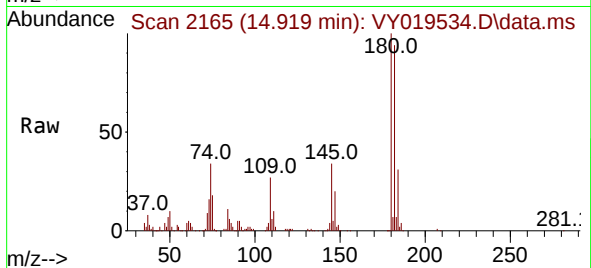
Tgt Ion:180 Resp: 88465

Ion Ratio Lower Upper

180 100

182 94.9 47.9 143.8

145 33.0 14.2 42.6



#94

Hexachlorobutadiene

Concen: 18.512 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

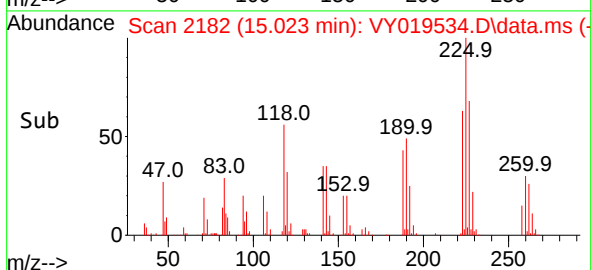
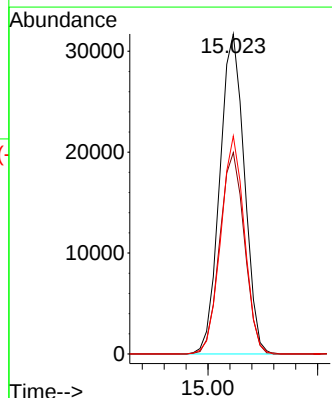
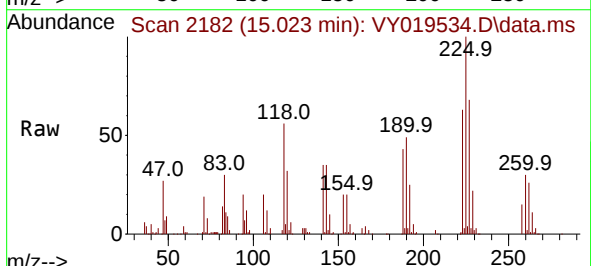
Tgt Ion:225 Resp: 49394

Ion Ratio Lower Upper

225 100

223 63.2 30.4 91.2

227 65.4 31.9 95.9





#95

Naphthalene

Concen: 17.593 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0913SBS01

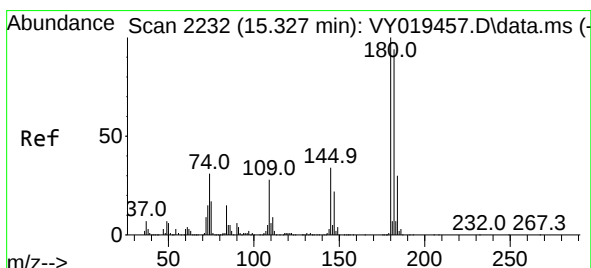
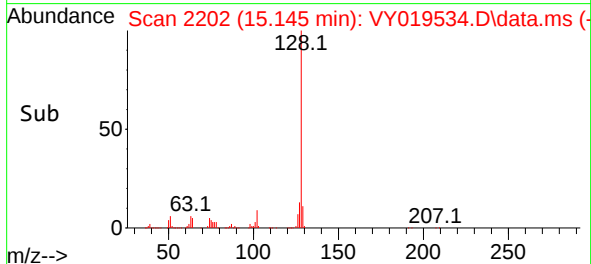
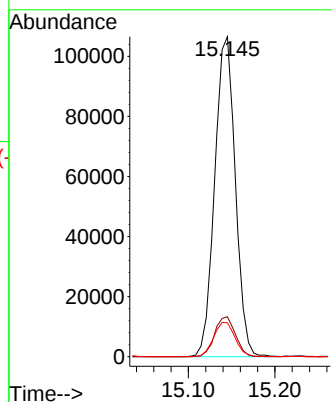
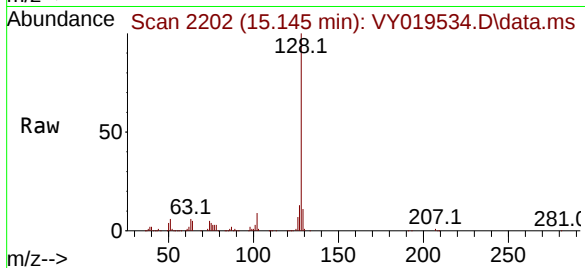
Tgt Ion:128 Resp: 175971

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

129 11.2 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 17.650 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY019534.D

Acq: 13 Sep 2024 11:53

Tgt Ion:180 Resp: 75404

Ion Ratio Lower Upper

180 100

182 95.4 47.6 142.9

145 34.1 15.4 46.1

