

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091922\  
 Data File : VD074352.D  
 Acq On : 19 Sep 2022 18:00  
 Operator : VA/SY  
 Sample : VD0919SBS02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0919SBS02

Quant Time: Sep 19 23:02:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D091622S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 17 04:16:54 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.875  | 168   | 92052    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775  | 114   | 147549   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 136776   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.510 | 152   | 66282    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.222  | 65    | 40861    | 45.573   | ug/l   | -0.01    |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 91.140%  |
| 35) Dibromofluoromethane     | 7.804  | 113   | 44975    | 46.282   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 92.560%  |
| 50) Toluene-d8               | 10.269 | 98    | 185489   | 55.319   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 110.640% |
| 62) 4-Bromofluorobenzene     | 12.569 | 95    | 55208    | 48.400   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 96.800%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.928  | 85    | 16513    | 19.473   | ug/l   | 95       |
| 3) Chloromethane             | 2.140  | 50    | 25269    | 31.335   | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.275  | 62    | 16073    | 20.309   | ug/l   | 94       |
| 5) Bromomethane              | 2.669  | 94    | 4478     | 9.152    | ug/l   | 94       |
| 6) Chloroethane              | 2.822  | 64    | 10218    | 21.975   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.164  | 101   | 29309    | 19.004   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.587  | 74    | 8571     | 17.435   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.963  | 101   | 19546    | 20.156   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.146  | 142   | 11748    | 9.807    | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.022  | 59    | 6202     | 102.356  | ug/l # | 74       |
| 12) 1,1-Dichloroethene       | 3.934  | 96    | 19381    | 19.634   | ug/l   | 95       |
| 13) Acrolein                 | 3.793  | 56    | 5136     | 78.598   | ug/l   | 86       |
| 14) Allyl chloride           | 4.552  | 41    | 28356    | 19.849   | ug/l   | 100      |
| 15) Acrylonitrile            | 5.252  | 53    | 18010    | 83.114   | ug/l   | 99       |
| 16) Acetone                  | 4.016  | 43    | 14654    | 72.546   | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.258  | 76    | 57325    | 17.835   | ug/l   | 97       |
| 18) Methyl Acetate           | 4.563  | 43    | 9573     | 16.415   | ug/l # | 83       |
| 19) Methyl tert-butyl Ether  | 5.316  | 73    | 39154    | 18.522   | ug/l   | 96       |
| 20) Methylene Chloride       | 4.793  | 84    | 32788    | 20.860   | ug/l # | 84       |
| 21) trans-1,2-Dichloroethene | 5.305  | 96    | 21684    | 19.840   | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.216  | 45    | 59930    | 19.917   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.152  | 43    | 141462   | 101.540  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.105  | 63    | 39741    | 20.519   | ug/l   | 96       |
| 25) 2-Butanone               | 7.081  | 43    | 22600    | 75.117   | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 7.075  | 77    | 32413    | 20.273   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.069  | 96    | 23626    | 19.511   | ug/l   | 97       |
| 28) Bromochloromethane       | 7.422  | 49    | 13290    | 17.771   | ug/l   | 92       |
| 29) Tetrahydrofuran          | 7.446  | 42    | 14260    | 82.704   | ug/l   | 98       |
| 30) Chloroform               | 7.593  | 83    | 38767    | 20.356   | ug/l   | 94       |
| 31) Cyclohexane              | 7.875  | 56    | 34313    | 18.247   | ug/l # | 87       |
| 32) 1,1,1-Trichloroethane    | 7.793  | 97    | 34480    | 20.524   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.010  | 75    | 30237    | 20.384   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.169  | 43    | 10842    | 18.244   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.993  | 117   | 23498    | 17.875   | ug/l   | 88       |
| 39) Methylcyclohexane        | 9.269  | 83    | 36560    | 20.376   | ug/l   | 98       |
| 40) Benzene                  | 8.251  | 78    | 87760    | 21.100   | ug/l   | 99       |

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 Sample : VD0919SBS02  
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 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Quant Time: Sep 19 23:02:16 2022  
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 Quant Title : SW846 8260  
 QLast Update : Sat Sep 17 04:16:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.404  | 41   | 6822     | 21.149  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 20399    | 19.204  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 20309    | 18.523  | ug/l # | 89       |
| 44) Trichloroethene           | 9.028  | 130  | 24082    | 22.022  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 21321    | 20.383  | ug/l   | 94       |
| 46) Dibromomethane            | 9.393  | 93   | 10109    | 18.788  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.587  | 83   | 27943    | 21.085  | ug/l   | 93       |
| 48) Methyl methacrylate       | 9.375  | 41   | 9681     | 18.246  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 2600     | 441.555 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 51150    | 88.795  | ug/l   | 97       |
| 52) Toluene                   | 10.334 | 92   | 54251    | 21.175  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 24748    | 20.930  | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 30370    | 19.853  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.728 | 97   | 14336    | 20.227  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.593 | 69   | 17478    | 18.825  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 24703    | 19.285  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 6359     | 52.282  | ug/l   | 93       |
| 59) 2-Hexanone                | 10.916 | 43   | 34965    | 86.778  | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.069 | 129  | 17432    | 20.539  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 12990    | 19.085  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.804 | 164  | 22885    | 24.684  | ug/l   | 100      |
| 65) Chlorobenzene             | 11.604 | 112  | 57713    | 20.482  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.675 | 131  | 19564    | 20.218  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.681 | 91   | 106013   | 20.508  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.787 | 106  | 82505    | 41.665  | ug/l   | 100      |
| 69) o-Xylene                  | 12.116 | 106  | 37375    | 20.653  | ug/l   | 97       |
| 70) Styrene                   | 12.128 | 104  | 64578    | 20.953  | ug/l   | 98       |
| 71) Bromoform                 | 12.298 | 173  | 9418     | 18.138  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.416 | 105  | 104761   | 20.550  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.228 | 43   | 19838    | 17.608  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.663 | 83   | 16533    | 18.666  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 19389    | 31.616  | ug/l # | 100      |
| 77) Bromobenzene              | 12.692 | 156  | 22797    | 20.465  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.757 | 91   | 130475   | 20.633  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.839 | 91   | 68419    | 20.516  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.898 | 105  | 85745    | 20.570  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.463 | 75   | 4158     | 16.993  | ug/l # | 100      |
| 82) 4-Chlorotoluene           | 12.939 | 91   | 70250    | 20.313  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 75574    | 20.445  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.204 | 105  | 83321    | 20.317  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.339 | 105  | 113748   | 20.737  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.451 | 119  | 94706    | 20.659  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.451 | 146  | 44735    | 19.536  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.528 | 146  | 44681    | 19.966  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.781 | 91   | 91193    | 20.310  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.045 | 117  | 12737    | 14.721  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.822 | 146  | 37452    | 19.398  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.439 | 75   | 2223     | 16.884  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 15.086 | 180  | 24859    | 19.087  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.192 | 225  | 16522    | 22.329  | ug/l   | 97       |
| 95) Naphthalene               | 15.322 | 128  | 39994    | 16.567  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.510 | 180  | 21223    | 18.960  | ug/l   | 98       |

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Sample : VD0919SBS02  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 13 Sample Multiplier: 1

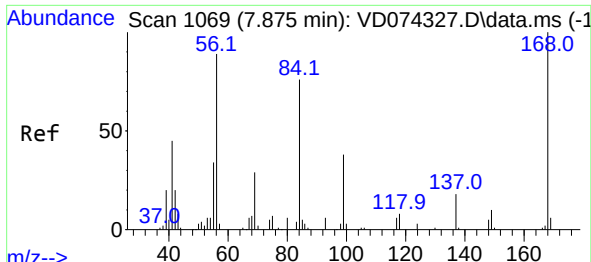
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

Quant Time: Sep 19 23:02:16 2022  
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QLast Update : Sat Sep 17 04:16:54 2022  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

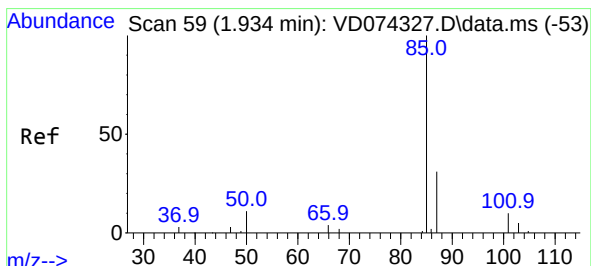
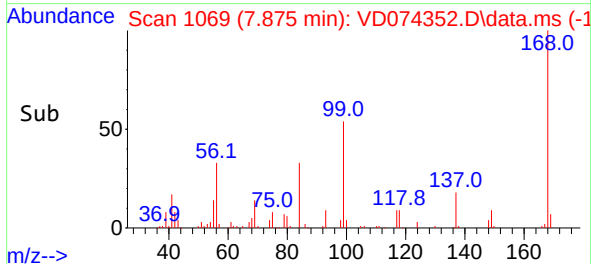
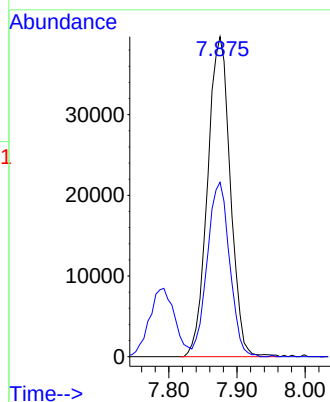
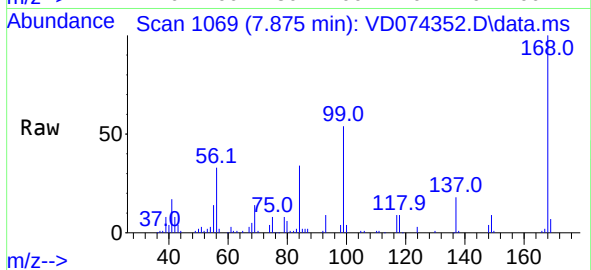




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

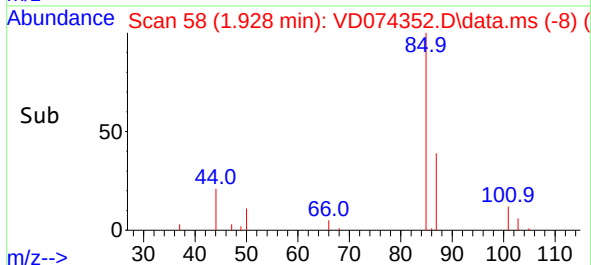
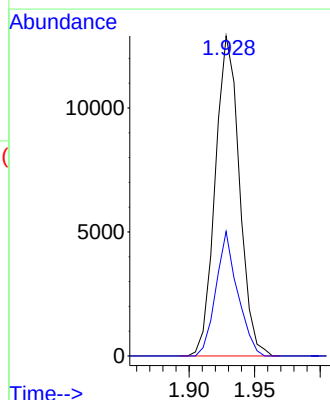
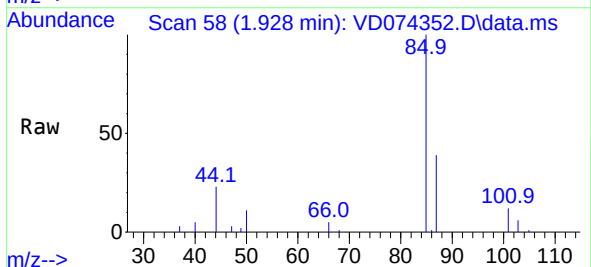
Instrument :  
MSVOA\_D  
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VD0919SBS02

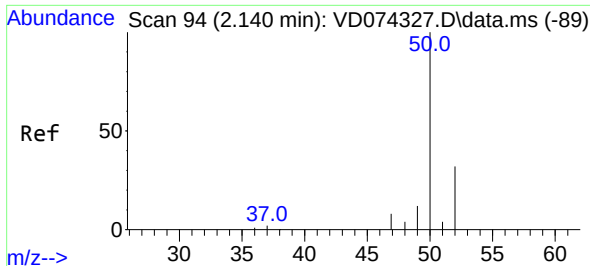
Tgt Ion:168 Resp: 92052  
Ion Ratio Lower Upper  
168 100  
99 54.5 43.0 64.6



#2  
Dichlorodifluoromethane  
Concen: 19.473 ug/l  
RT: 1.928 min Scan# 58  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 85 Resp: 16513  
Ion Ratio Lower Upper  
85 100  
87 38.9 17.9 53.7

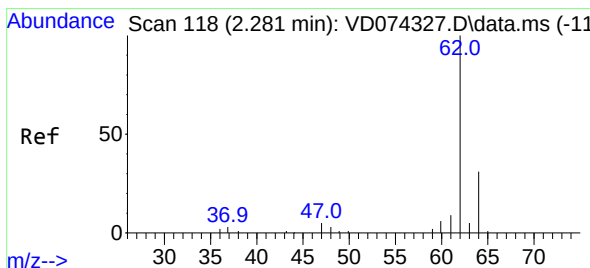
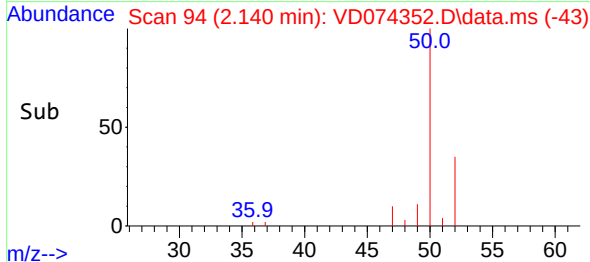
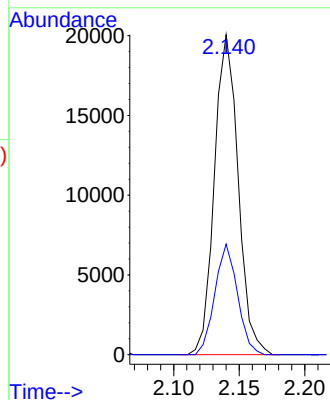
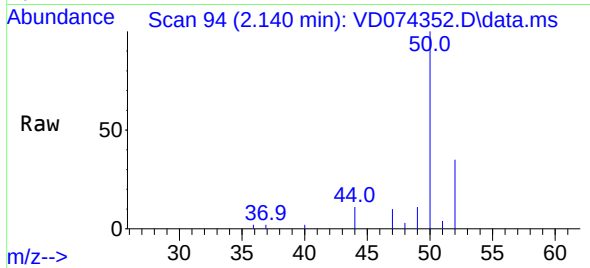




#3  
Chloromethane  
Concen: 31.335 ug/l  
RT: 2.140 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

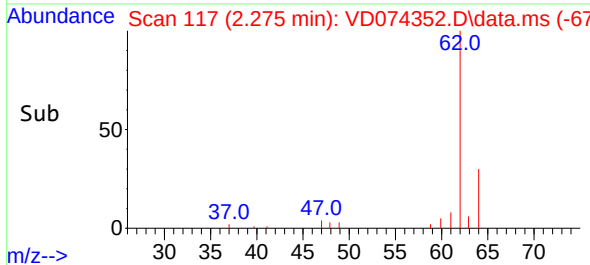
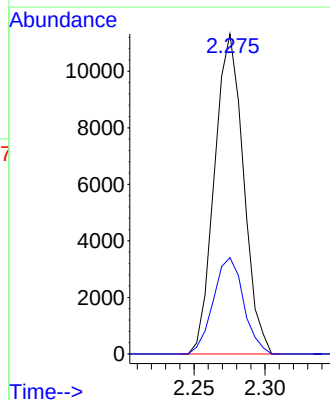
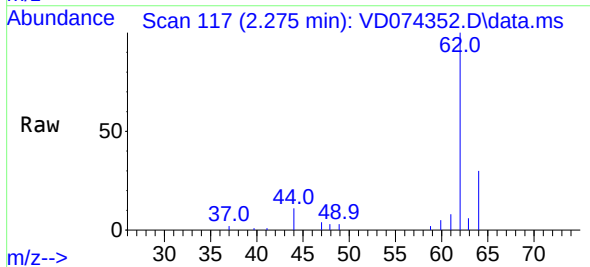
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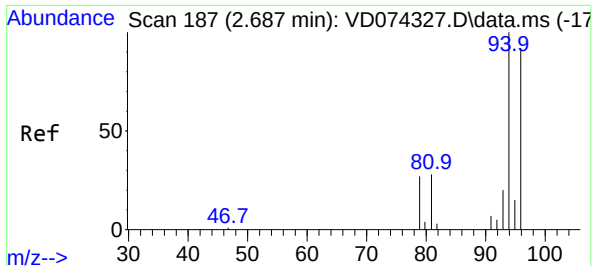
Tgt Ion: 50 Resp: 25269  
Ion Ratio Lower Upper  
50 100  
52 34.5 25.8 38.8



#4  
Vinyl Chloride  
Concen: 20.309 ug/l  
RT: 2.275 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 62 Resp: 16073  
Ion Ratio Lower Upper  
62 100  
64 30.1 27.0 40.4

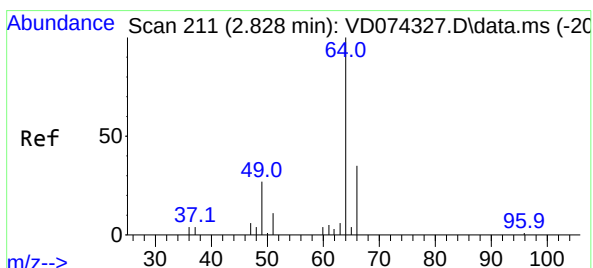
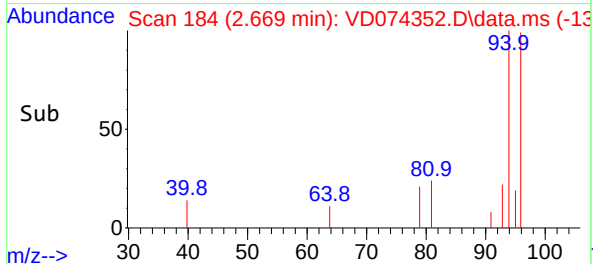
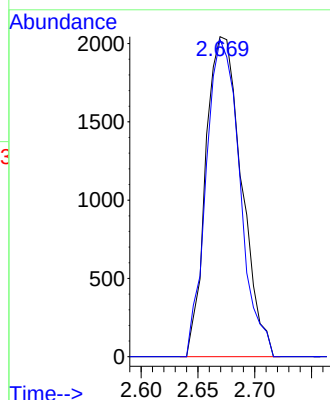
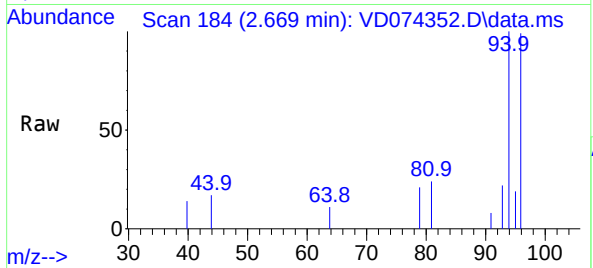




#5  
Bromomethane  
Concen: 9.152 ug/l  
RT: 2.669 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

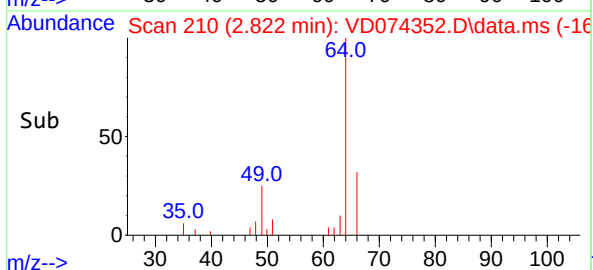
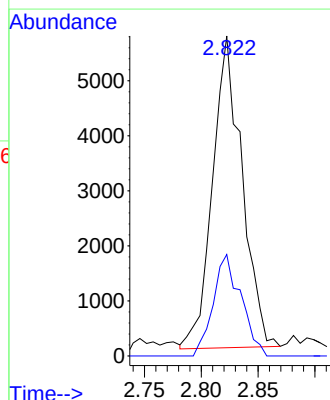
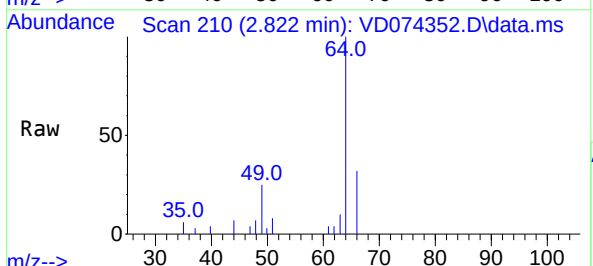
Instrument :  
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VD0919SBS02

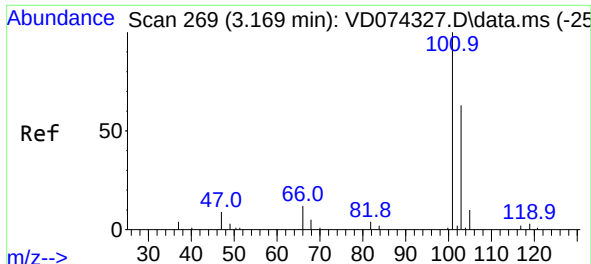
Tgt Ion: 94 Resp: 4478  
Ion Ratio Lower Upper  
94 100  
96 99.1 74.6 112.0



#6  
Chloroethane  
Concen: 21.975 ug/l  
RT: 2.822 min Scan# 210  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 64 Resp: 10218  
Ion Ratio Lower Upper  
64 100  
66 32.7 24.6 36.8

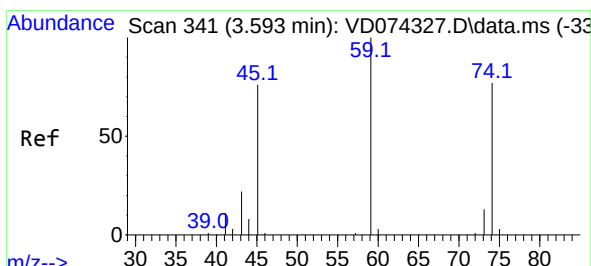
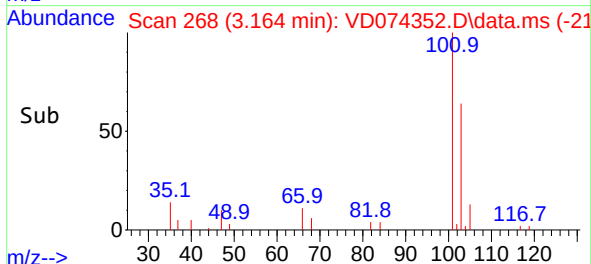
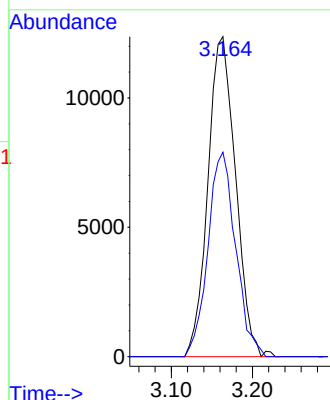
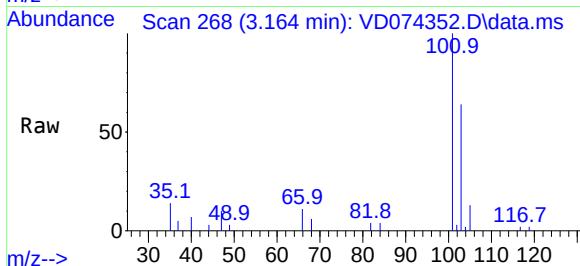




#7  
Trichlorofluoromethane  
Concen: 19.004 ug/l  
RT: 3.164 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

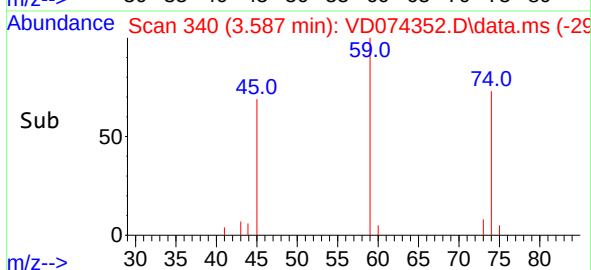
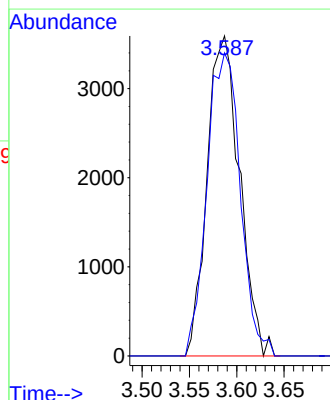
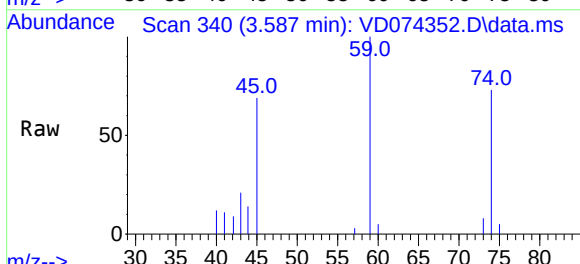
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

Tgt Ion:101 Resp: 29309  
Ion Ratio Lower Upper  
101 100  
103 63.9 50.6 76.0

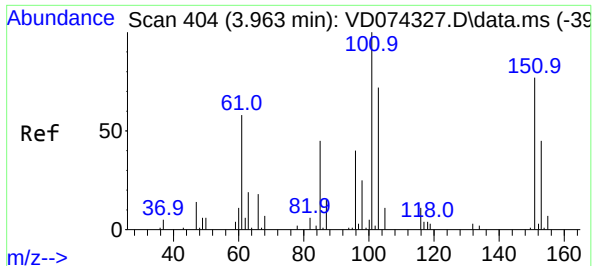


#8  
Diethyl Ether  
Concen: 17.435 ug/l  
RT: 3.587 min Scan# 340  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 74 Resp: 8571  
Ion Ratio Lower Upper  
74 100  
45 97.3 47.9 143.6





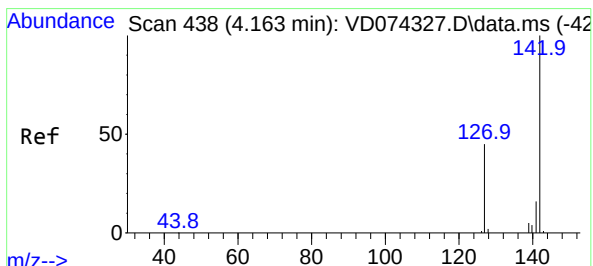
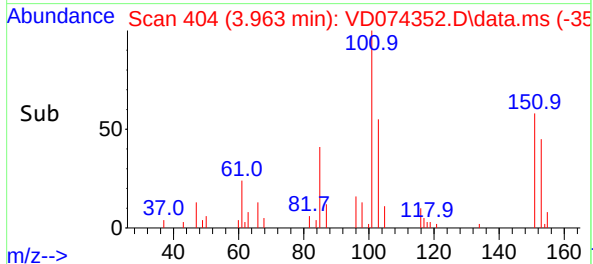
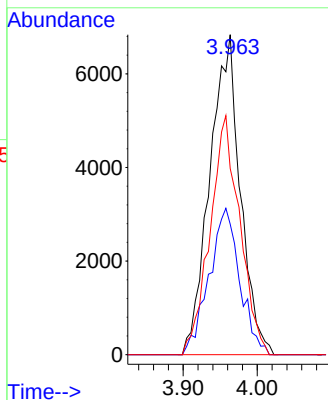
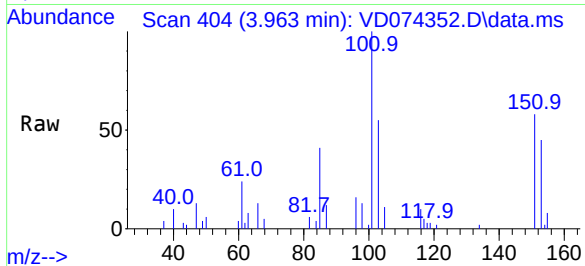


#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.156 ug/l  
RT: 3.963 min Scan# 404  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

Tgt Ion:101 Resp: 19546

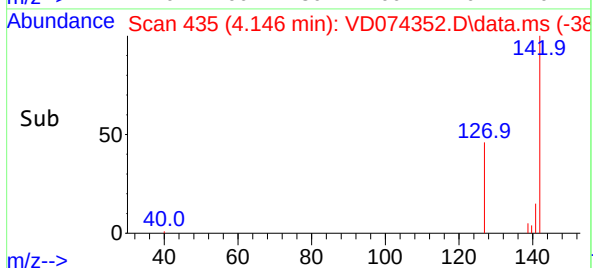
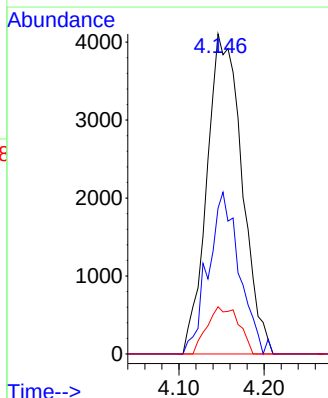
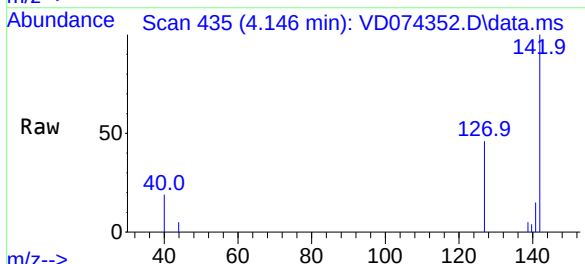
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 101 | 100   |       |       |
| 85  | 46.1  | 35.0  | 52.4  |
| 151 | 73.0  | 59.7  | 89.5  |

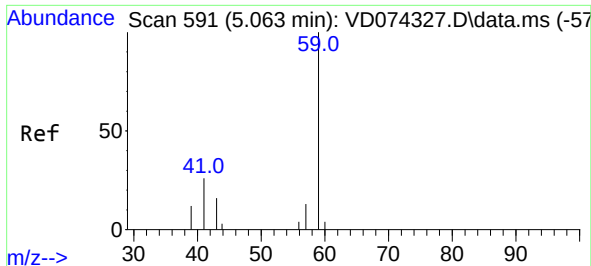


#10  
Methyl Iodide  
Concen: 9.807 ug/l  
RT: 4.146 min Scan# 435  
Delta R.T. -0.017 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion:142 Resp: 11748

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 127 | 45.1  | 34.6  | 51.8  |
| 141 | 13.3  | 11.7  | 17.5  |

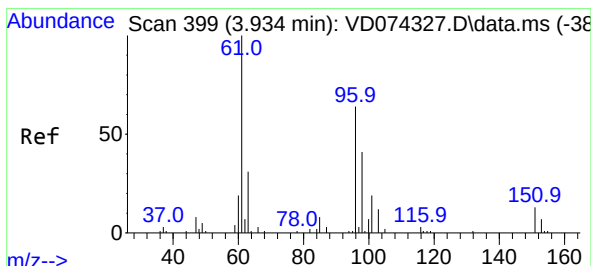
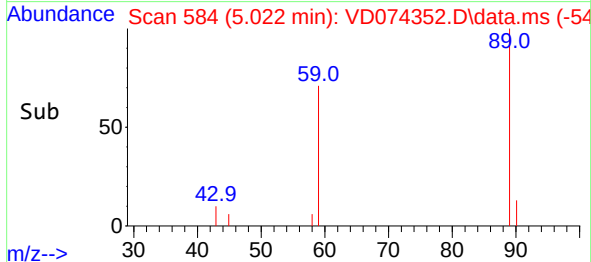
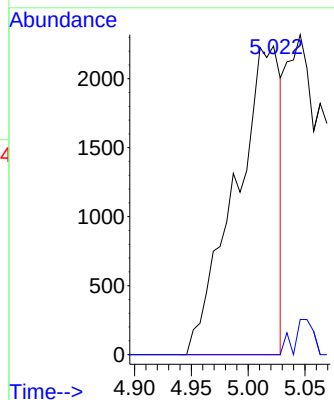
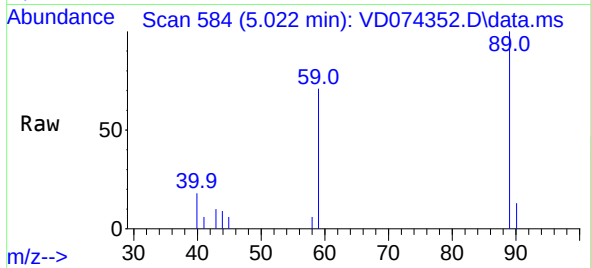




#11  
Tert butyl alcohol  
Concen: 102.356 ug/l  
RT: 5.022 min Scan# 591  
Delta R.T. -0.041 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

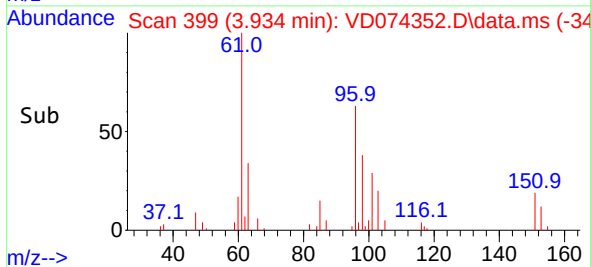
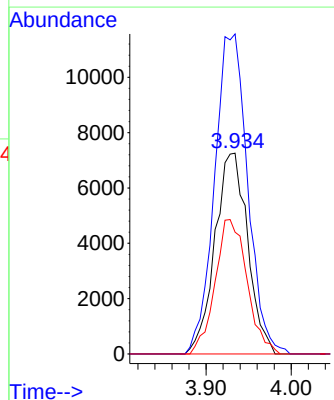
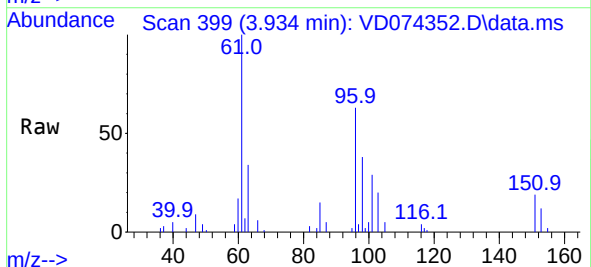
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

Tgt Ion: 59 Resp: 6202  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#

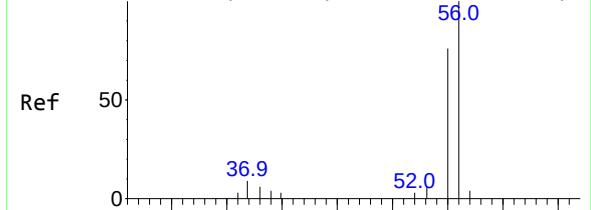


#12  
1,1-Dichloroethene  
Concen: 19.634 ug/l  
RT: 3.934 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 96 Resp: 19381  
Ion Ratio Lower Upper  
96 100  
61 159.4 122.3 183.5  
98 60.7 50.7 76.1



Abundance Scan 376 (3.799 min): VD074327.D\data.ms (-36



#13

Acrolein

Concen: 78.598 ug/l

RT: 3.793 min Scan# 31

Delta R.T. -0.006 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

Instrument :

MSVOA\_D

ClientSampleId :

VD0919SBS02

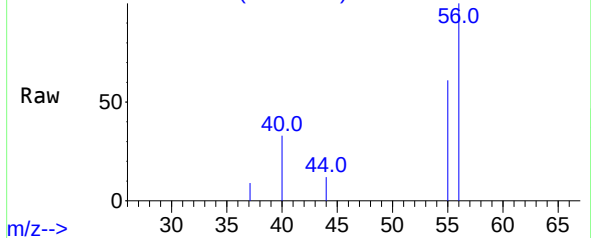
Tgt Ion: 56 Resp: 5136

Ion Ratio Lower Upper

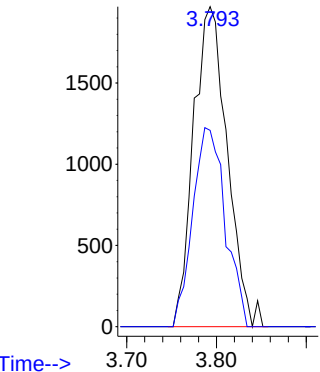
56 100

55 60.0 57.4 86.2

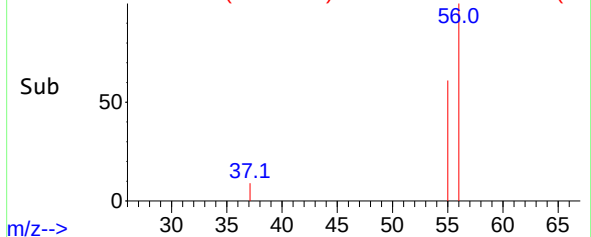
Abundance Scan 375 (3.793 min): VD074352.D\data.ms



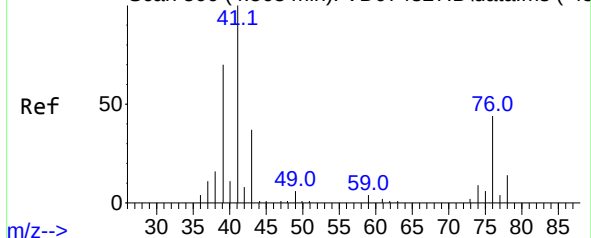
Abundance



Abundance Scan 375 (3.793 min): VD074352.D\data.ms (-32



Abundance Scan 506 (4.563 min): VD074327.D\data.ms (-48



#14

Allyl chloride

Concen: 19.849 ug/l

RT: 4.552 min Scan# 504

Delta R.T. -0.011 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

Tgt Ion: 41 Resp: 28356

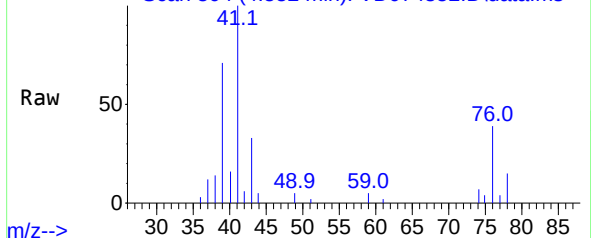
Ion Ratio Lower Upper

41 100

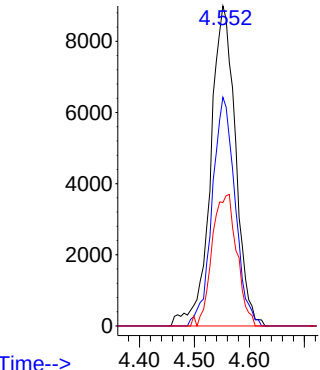
39 65.7 52.8 79.2

76 40.8 32.9 49.3

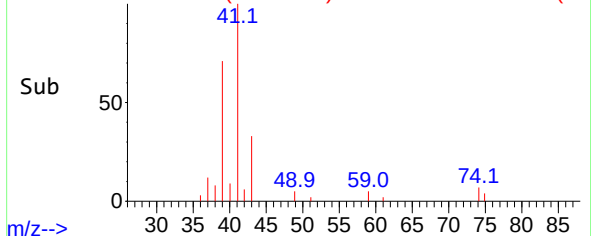
Abundance Scan 504 (4.552 min): VD074352.D\data.ms

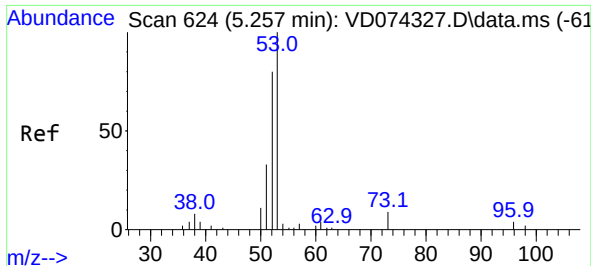


Abundance



Abundance Scan 504 (4.552 min): VD074352.D\data.ms (-45

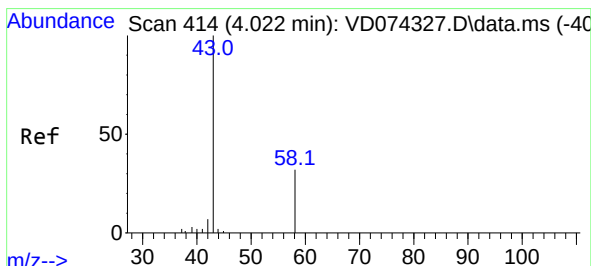
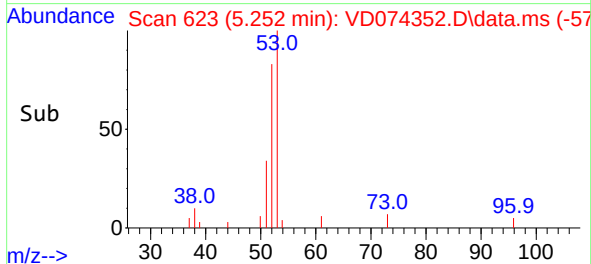
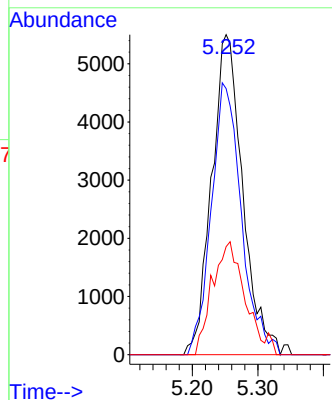
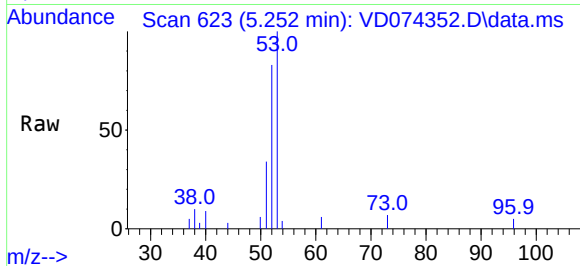




#15  
Acrylonitrile  
Concen: 83.114 ug/l  
RT: 5.252 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

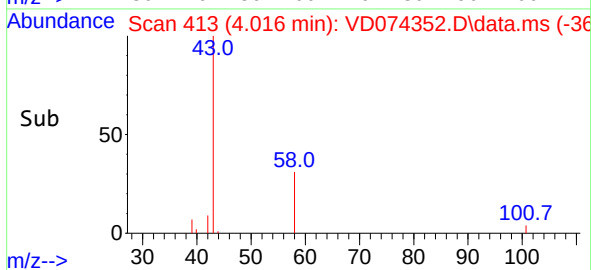
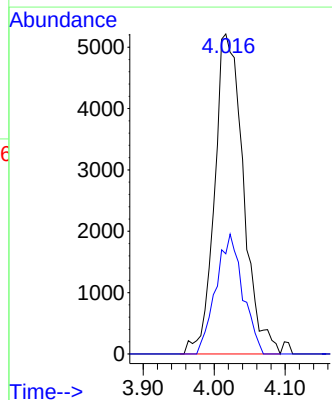
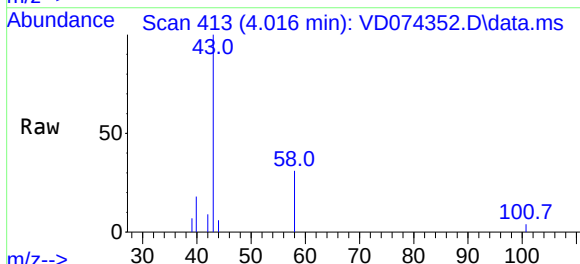
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

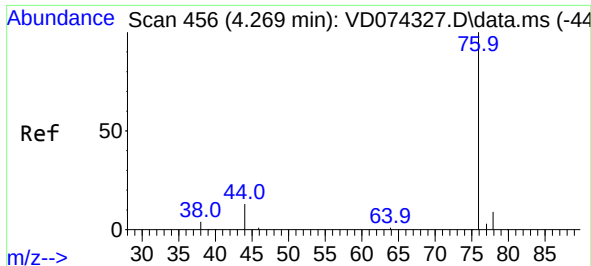
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 18010 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.6  | 65.3  | 97.9  |
| 51       | 36.4  | 29.0  | 43.6  |



#16  
Acetone  
Concen: 72.546 ug/l  
RT: 4.016 min Scan# 413  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 14654 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 31.3  | 26.4  | 39.6  |

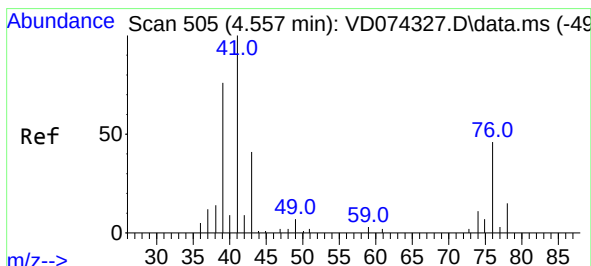
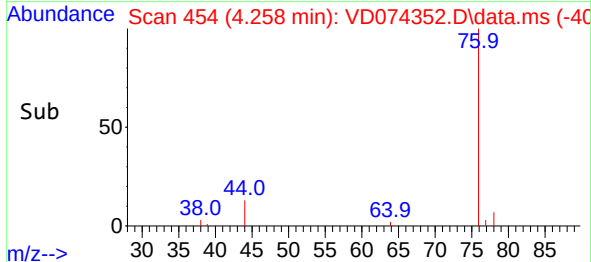
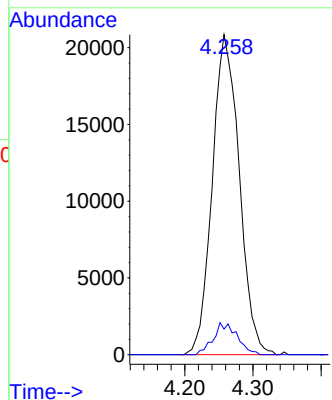
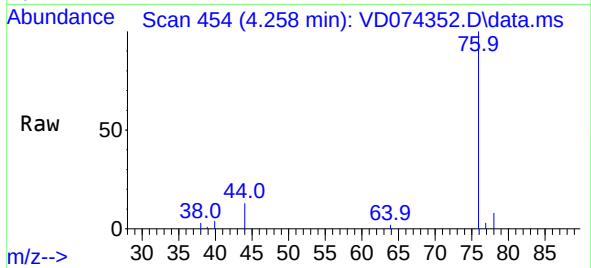




#17  
Carbon Disulfide  
Concen: 17.835 ug/l  
RT: 4.258 min Scan# 41  
Delta R.T. -0.011 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

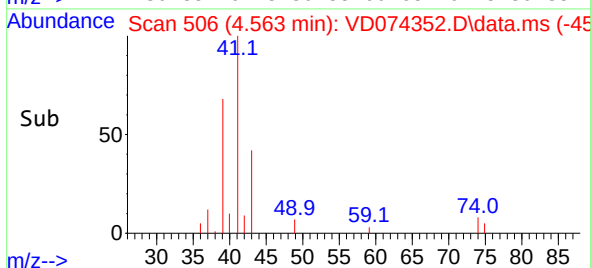
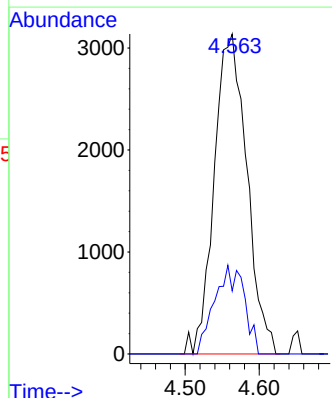
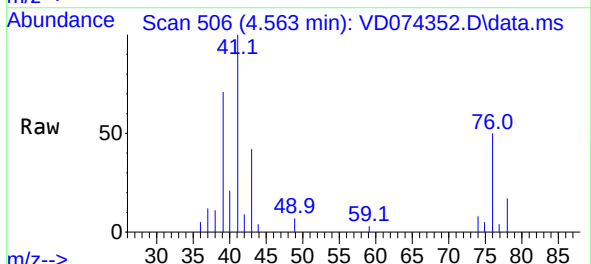
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

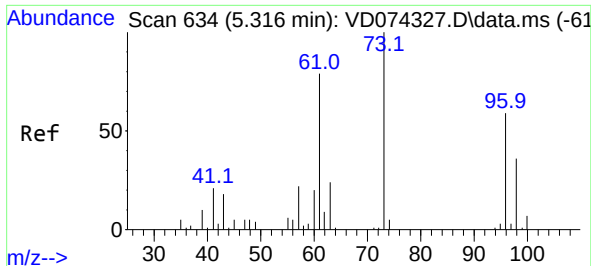
Tgt Ion: 76 Resp: 57325  
Ion Ratio Lower Upper  
76 100  
78 8.0 7.2 10.8



#18  
Methyl Acetate  
Concen: 16.415 ug/l  
RT: 4.563 min Scan# 506  
Delta R.T. 0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 43 Resp: 9573  
Ion Ratio Lower Upper  
43 100  
74 15.5 19.3 28.9#





#19

Methyl tert-butyl Ether

Concen: 18.522 ug/l

RT: 5.316 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

Instrument :

MSVOA\_D

ClientSampleId :

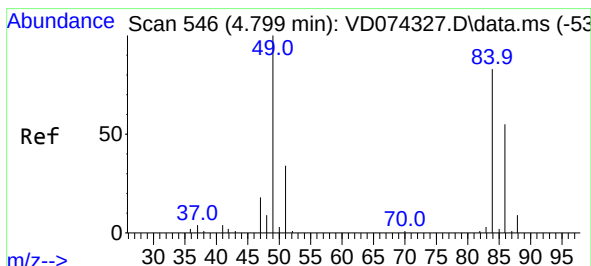
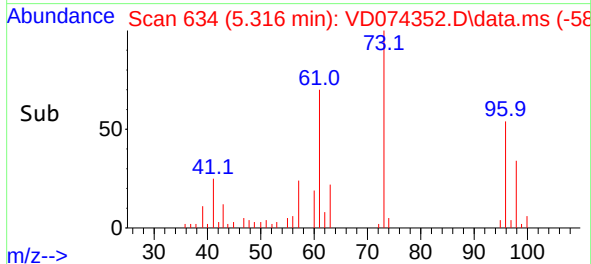
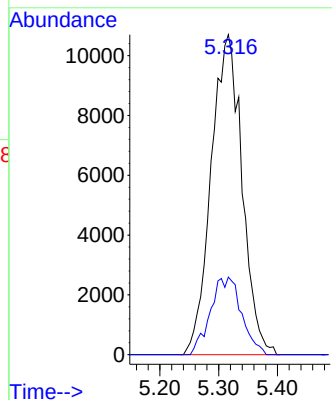
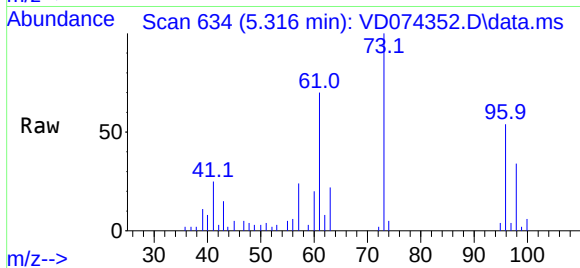
VD0919SBS02

Tgt Ion: 73 Resp: 39154

Ion Ratio Lower Upper

73 100

57 24.3 17.8 26.6



#20

Methylene Chloride

Concen: 20.860 ug/l

RT: 4.793 min Scan# 545

Delta R.T. -0.006 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

Tgt Ion: 84 Resp: 32788

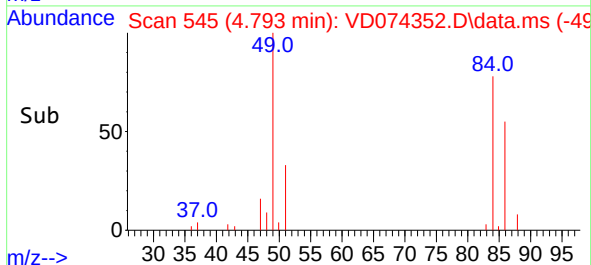
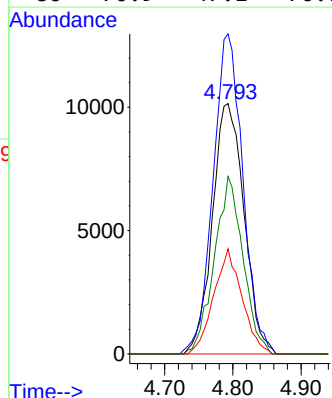
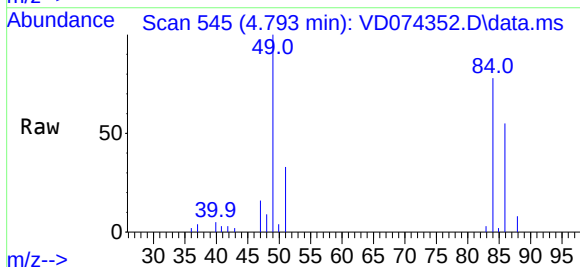
Ion Ratio Lower Upper

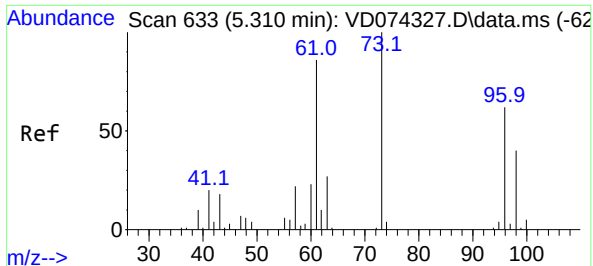
84 100

49 127.8 88.4 132.6

51 42.0 28.0 42.0

86 70.9 47.1 70.7#



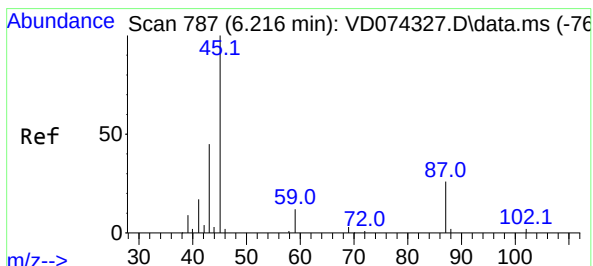
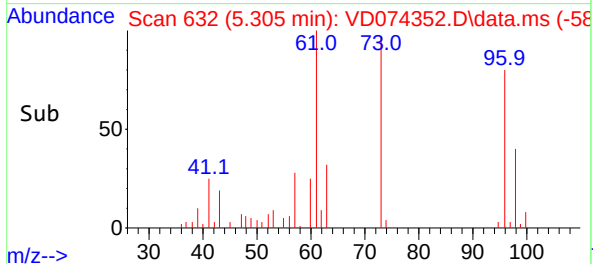
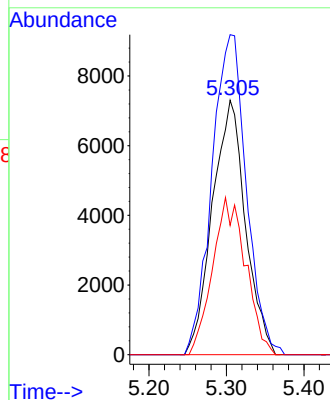
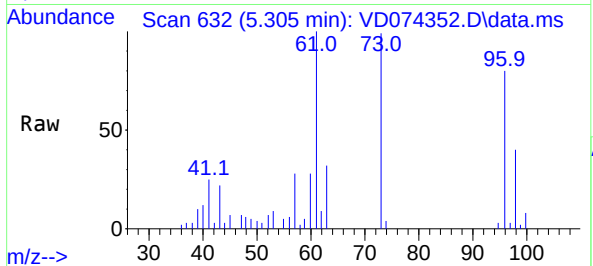


#21  
trans-1,2-Dichloroethene  
Concen: 19.840 ug/l  
RT: 5.305 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

Tgt Ion: 96 Resp: 21684

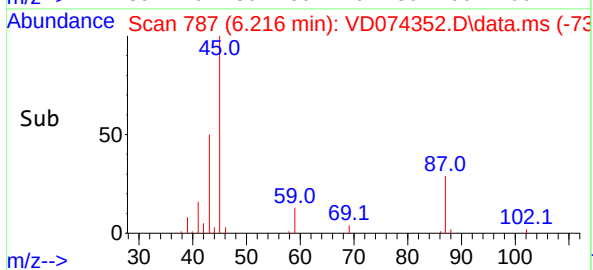
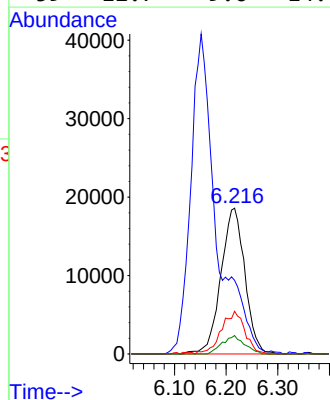
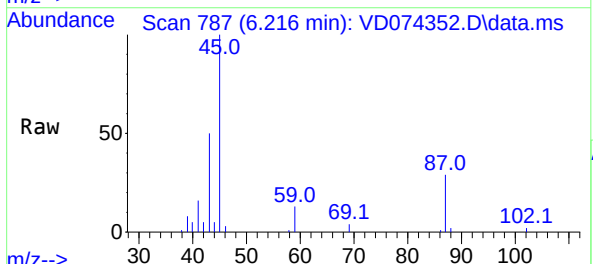
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 125.8 | 105.1 | 157.7 |
| 98  | 50.8  | 47.4  | 71.2  |

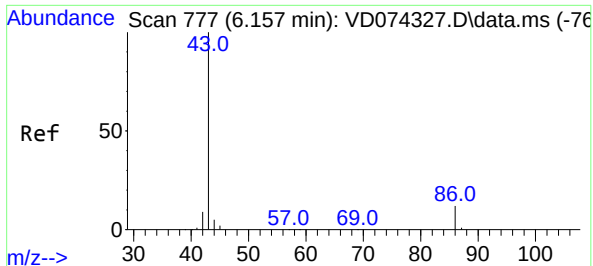


#22  
Diisopropyl ether  
Concen: 19.917 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 45 Resp: 59930

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 49.4  | 38.9  | 58.3  |
| 87  | 29.3  | 21.0  | 31.4  |
| 59  | 12.7  | 9.6   | 14.4  |





#23

Vinyl Acetate

Concen: 101.540 ug/l

RT: 6.152 min Scan# 776

Delta R.T. -0.005 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

Instrument :

MSVOA\_D

ClientSampleId :

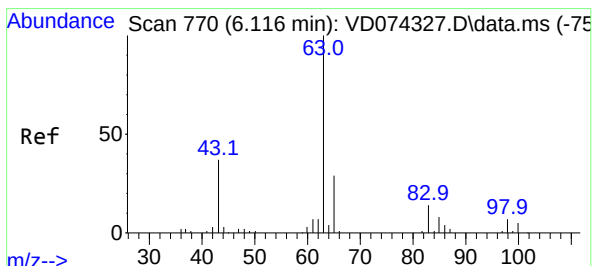
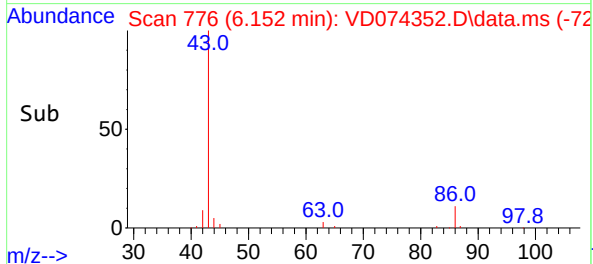
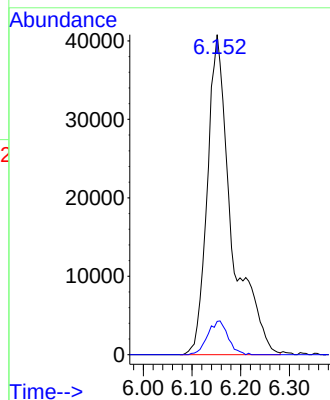
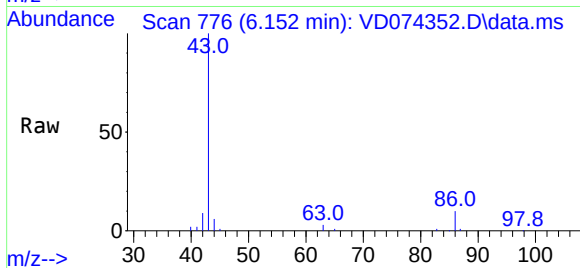
VD0919SBS02

Tgt Ion: 43 Resp: 141462

Ion Ratio Lower Upper

43 100

86 10.4 8.6 13.0



#24

1,1-Dichloroethane

Concen: 20.519 ug/l

RT: 6.105 min Scan# 768

Delta R.T. -0.011 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

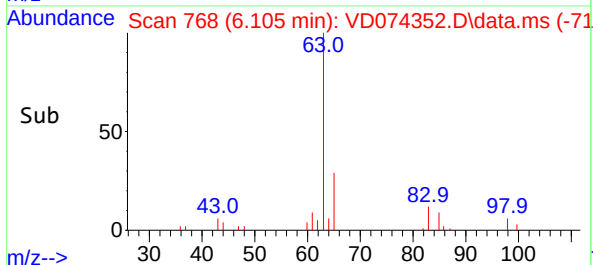
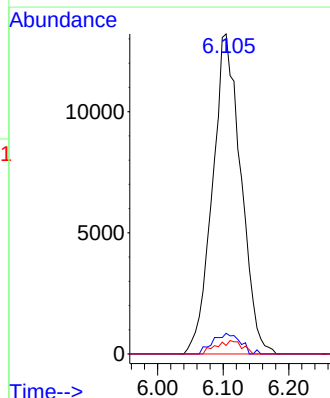
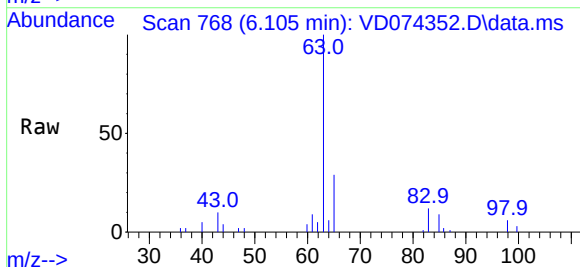
Tgt Ion: 63 Resp: 39741

Ion Ratio Lower Upper

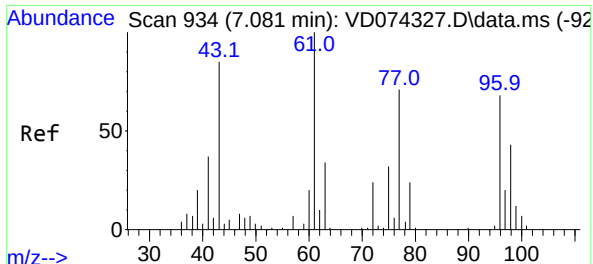
63 100

98 6.5 2.8 8.4

100 2.6 2.2 6.6



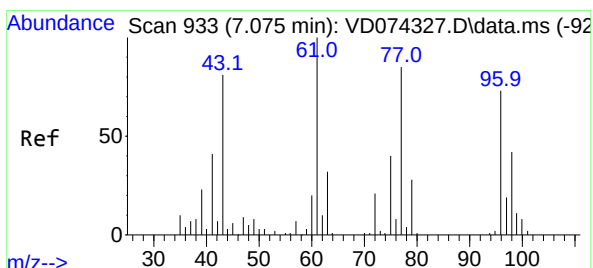
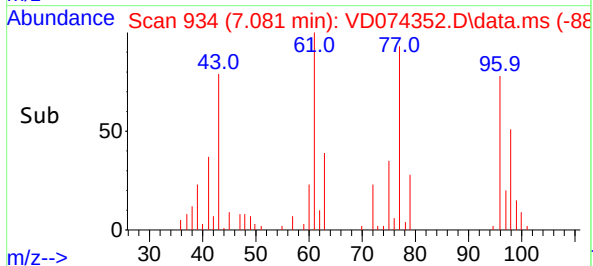
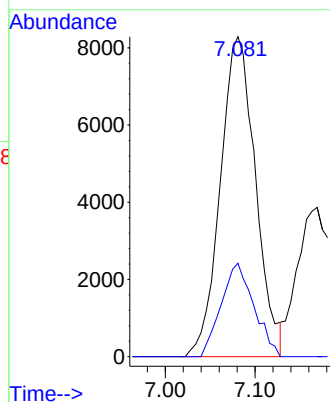
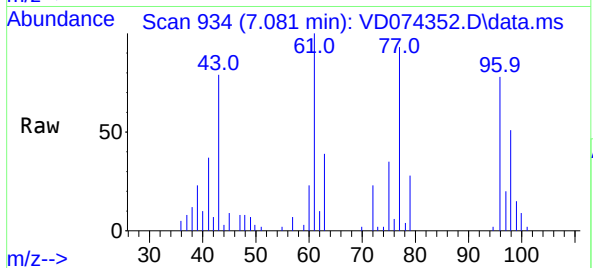




#25  
2-Butanone  
Concen: 75.117 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

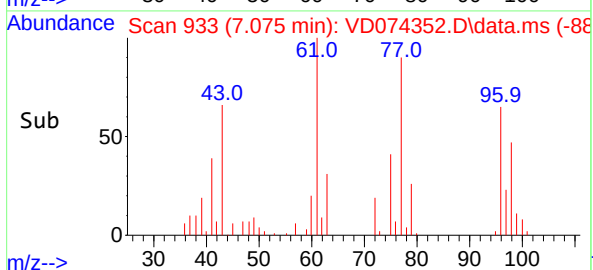
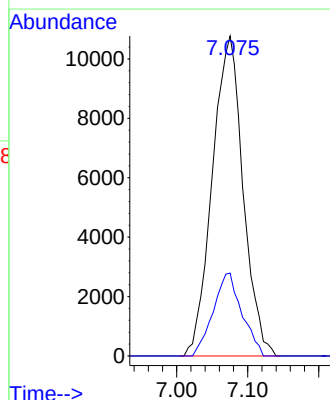
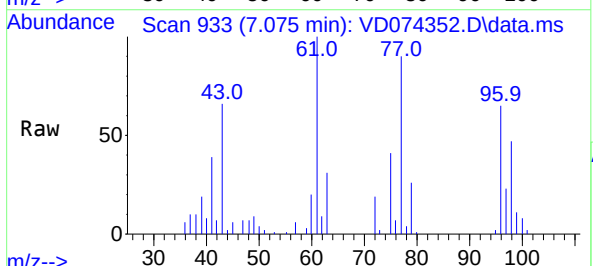
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

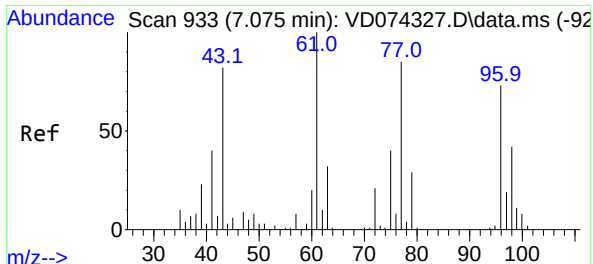
Tgt Ion: 43 Resp: 22600  
Ion Ratio Lower Upper  
43 100  
72 29.2 21.8 32.6



#26  
2,2-Dichloropropane  
Concen: 20.273 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 77 Resp: 32413  
Ion Ratio Lower Upper  
77 100  
97 24.1 11.5 34.4

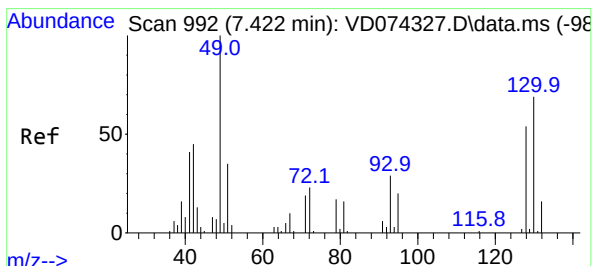
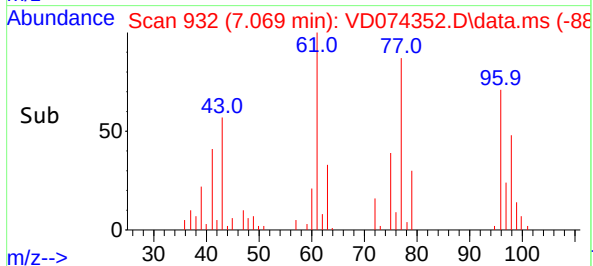
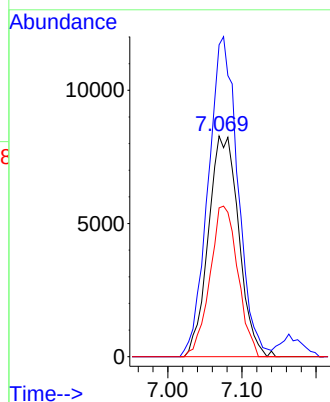
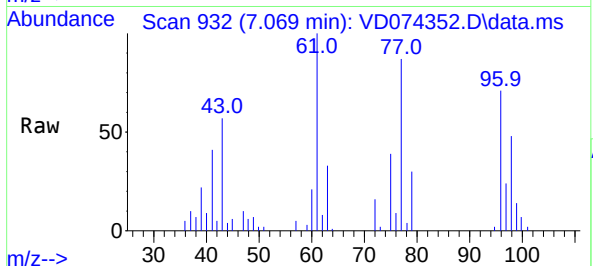




#27  
cis-1,2-Dichloroethene  
Concen: 19.511 ug/l  
RT: 7.069 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

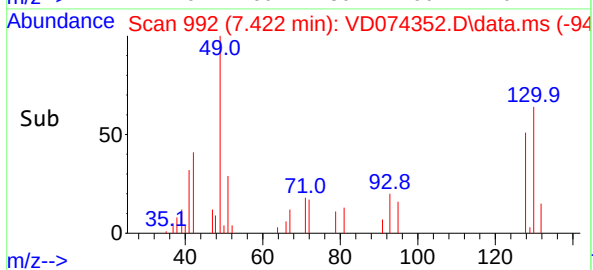
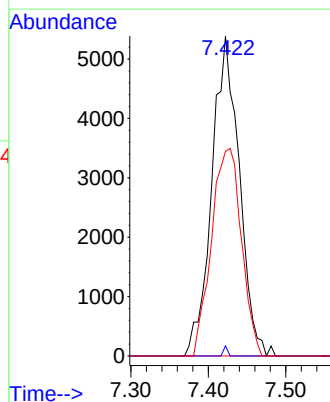
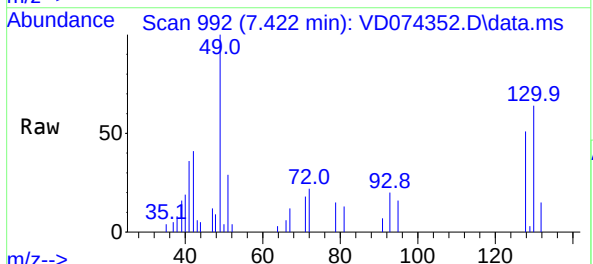
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

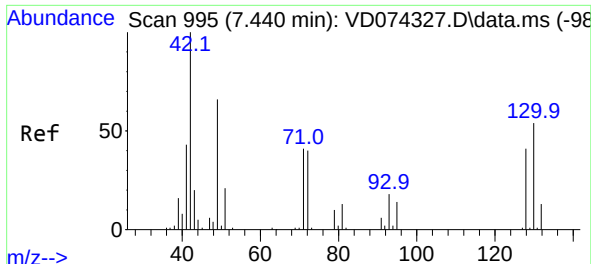
Tgt Ion: 96 Resp: 23626  
Ion Ratio Lower Upper  
96 100  
61 141.6 0.0 289.4  
98 62.6 0.0 130.2



#28  
Bromochloromethane  
Concen: 17.771 ug/l  
RT: 7.422 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 49 Resp: 13290  
Ion Ratio Lower Upper  
49 100  
129 0.5 0.0 3.6  
130 70.4 62.2 93.2

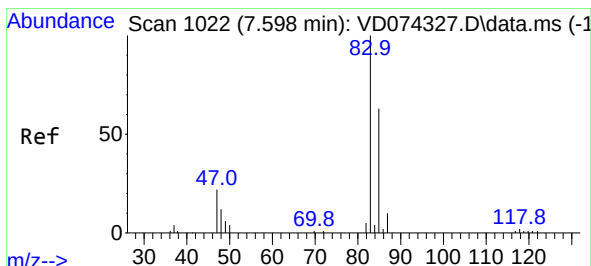
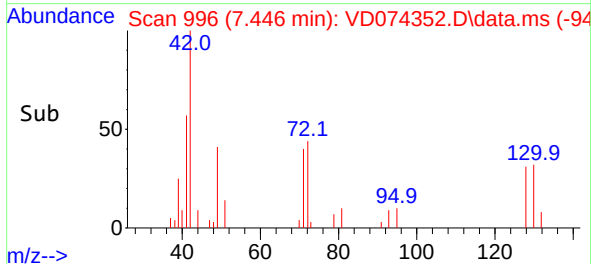
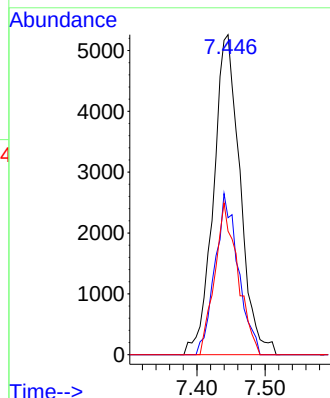
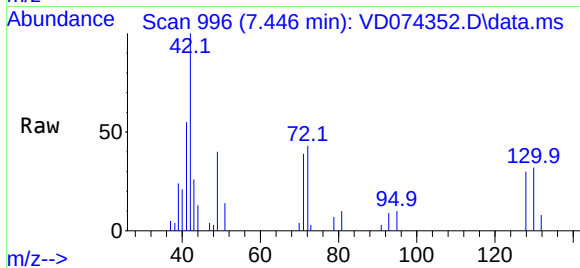




#29  
Tetrahydrofuran  
Concen: 82.704 ug/l  
RT: 7.446 min Scan# 995  
Delta R.T. 0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

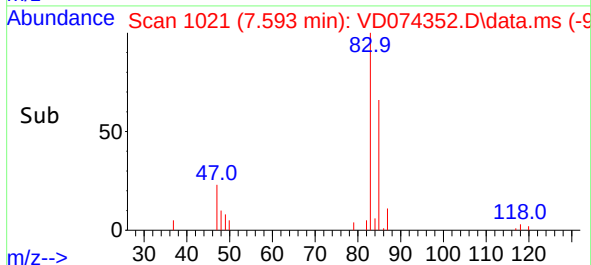
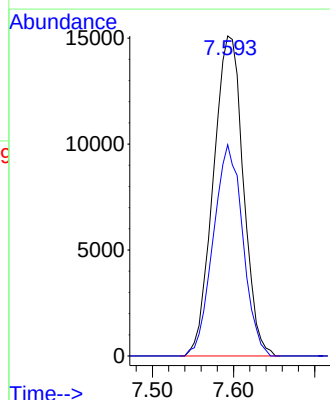
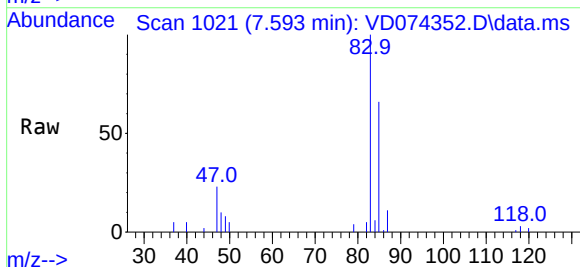
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

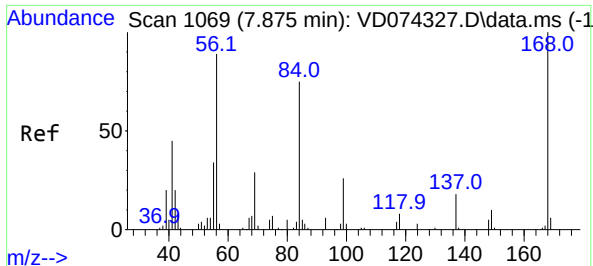
Tgt Ion: 42 Resp: 14260  
Ion Ratio Lower Upper  
42 100  
72 44.2 36.1 54.1  
71 41.0 34.1 51.1



#30  
Chloroform  
Concen: 20.356 ug/l  
RT: 7.593 min Scan# 1021  
Delta R.T. -0.005 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 83 Resp: 38767  
Ion Ratio Lower Upper  
83 100  
85 66.0 56.7 85.1

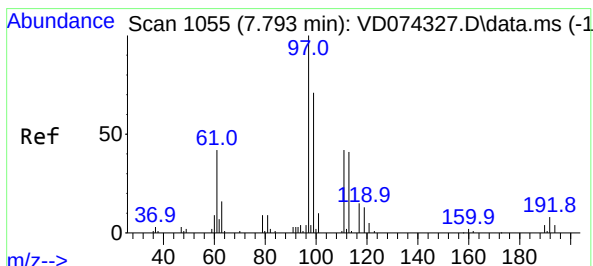
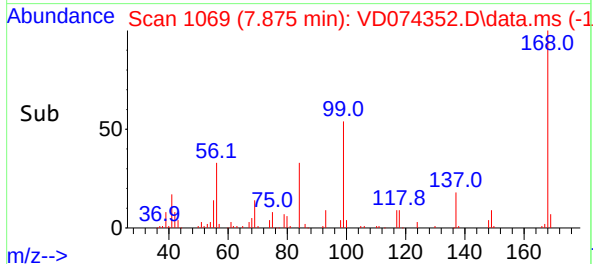
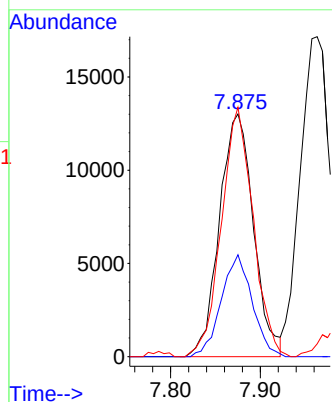
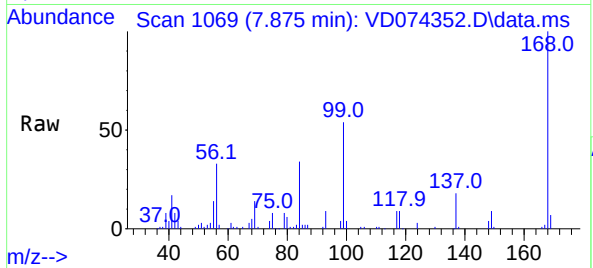




#31  
Cyclohexane  
Concen: 18.247 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

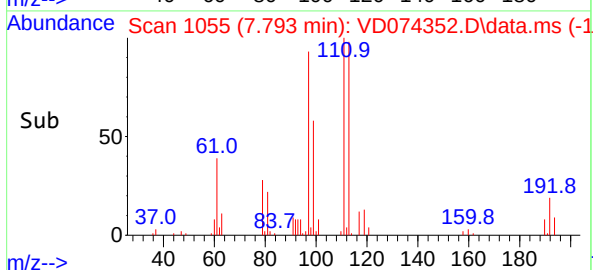
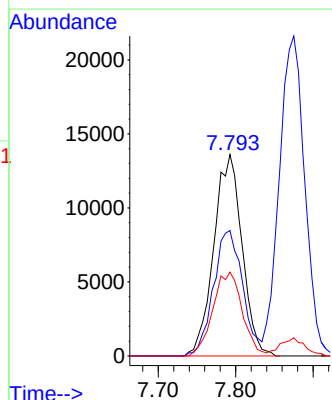
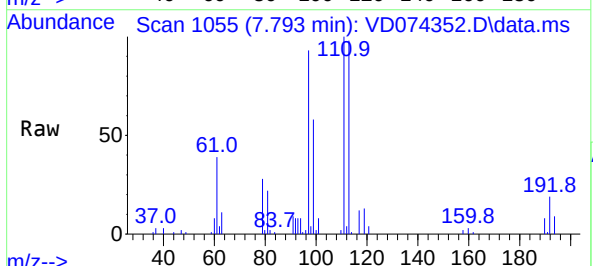
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

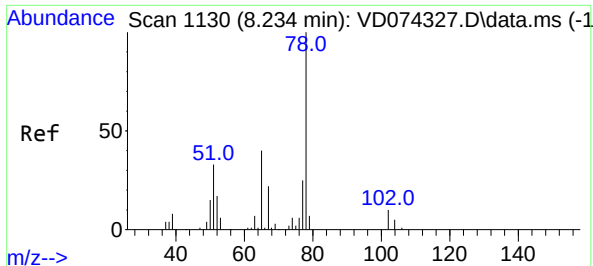
Tgt Ion: 56 Resp: 34313  
Ion Ratio Lower Upper  
56 100  
69 42.0 25.7 38.5#  
84 102.8 73.9 110.9



#32  
1,1,1-Trichloroethane  
Concen: 20.524 ug/l  
RT: 7.793 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 97 Resp: 34480  
Ion Ratio Lower Upper  
97 100  
99 64.8 51.2 76.8  
61 43.4 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 45.573 ug/l

RT: 8.222 min Scan# 1128

Delta R.T. -0.012 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

Instrument :

MSVOA\_D

ClientSampleId :

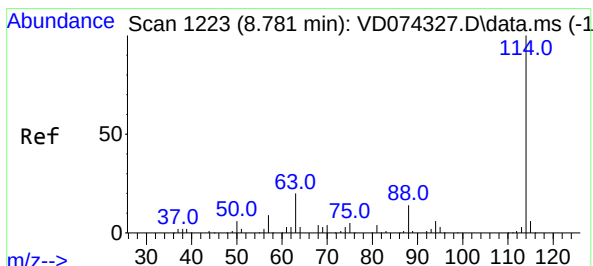
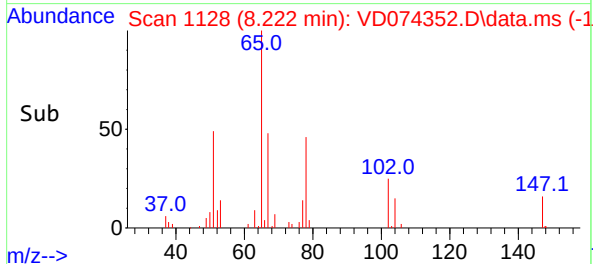
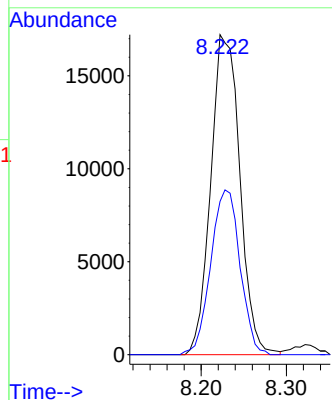
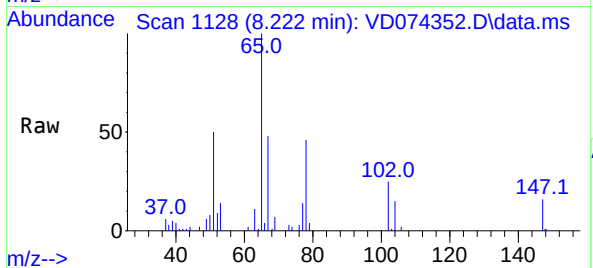
VD0919SBS02

Tgt Ion: 65 Resp: 40861

Ion Ratio Lower Upper

65 100

67 51.9 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

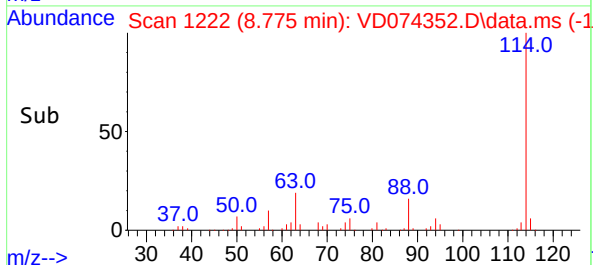
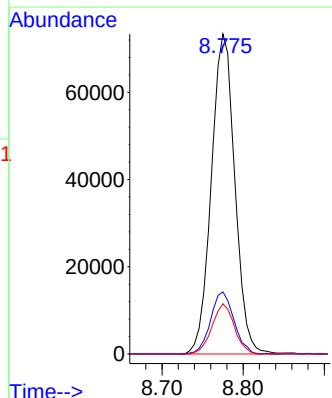
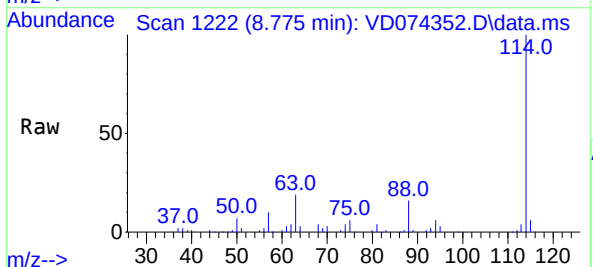
Tgt Ion: 114 Resp: 147549

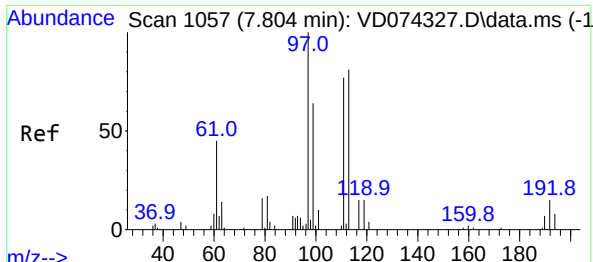
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.6

88 15.7 0.0 28.4

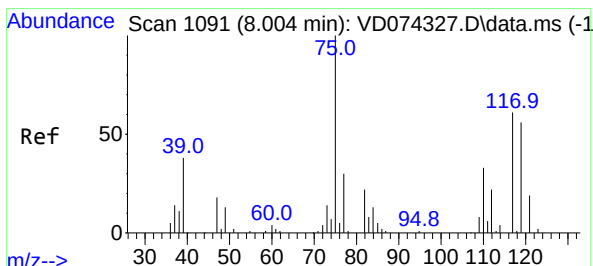
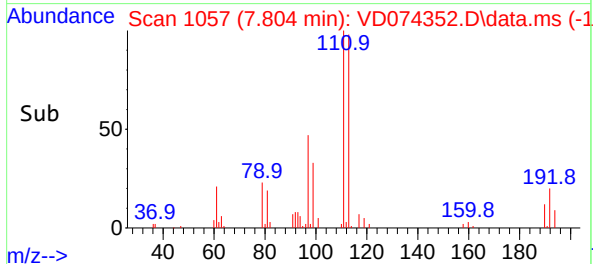
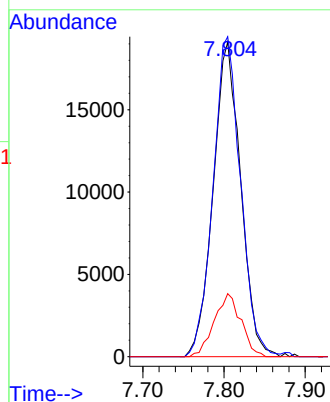
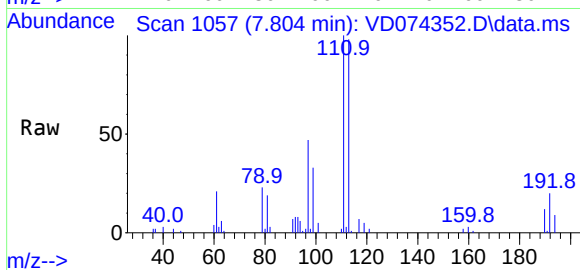




#35  
Dibromofluoromethane  
Concen: 46.282 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

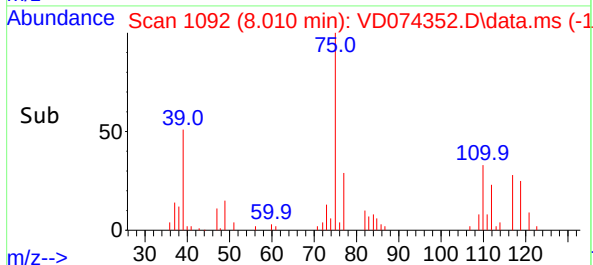
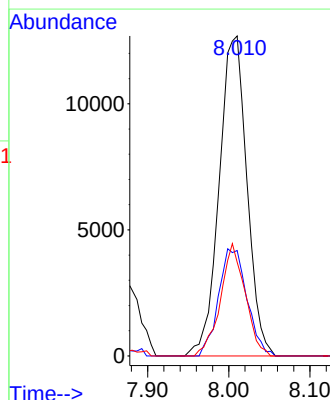
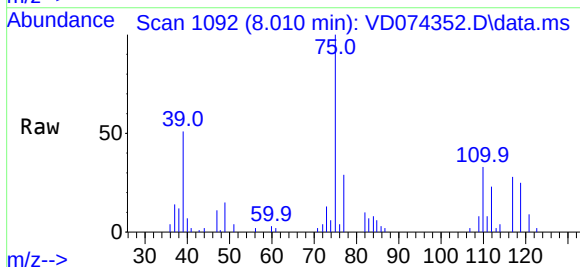
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

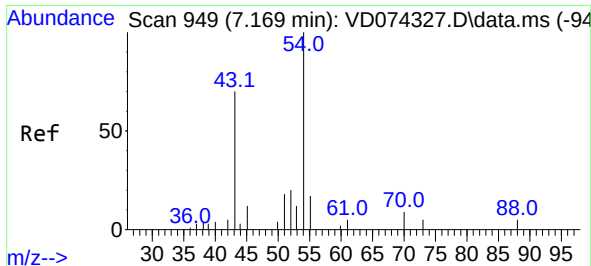
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 44975 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.9 | 83.0  | 124.6 |
| 192      | 19.5  | 16.2  | 24.2  |



#36  
1,1-Dichloropropene  
Concen: 20.384 ug/l  
RT: 8.010 min Scan# 1092  
Delta R.T. 0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 30237 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 34.2  | 17.5  | 52.5  |
| 77       | 31.2  | 24.8  | 37.2  |

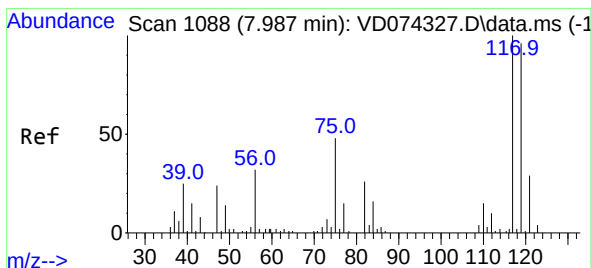
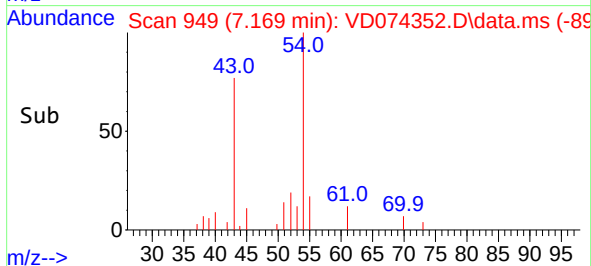
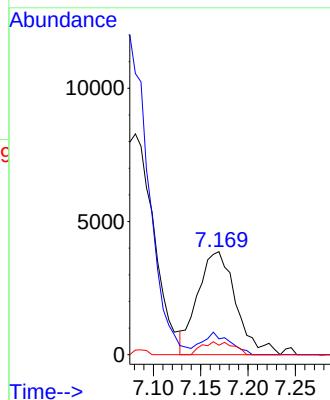
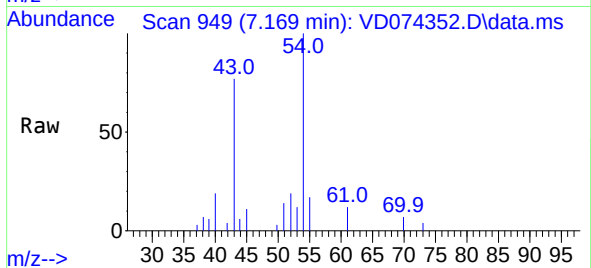




#37  
Ethyl Acetate  
Concen: 18.244 ug/l  
RT: 7.169 min Scan# 949  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

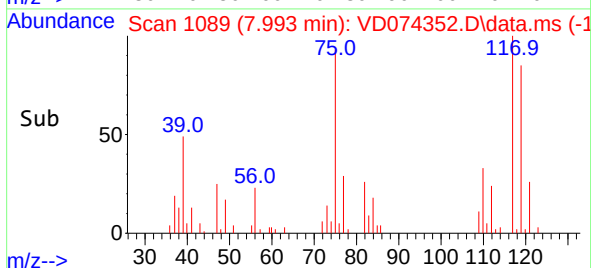
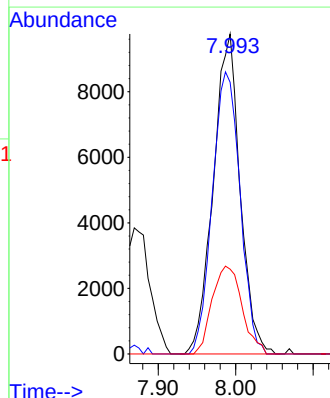
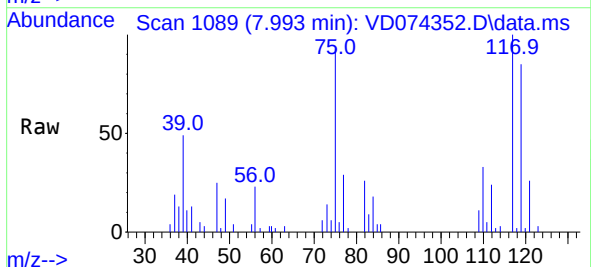
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

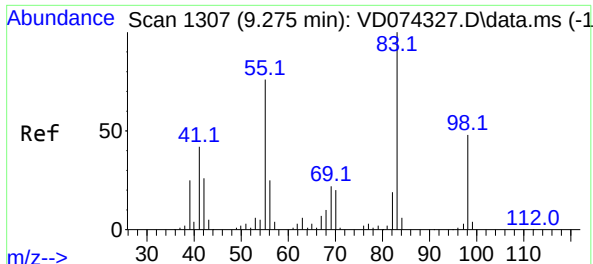
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 10842 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 15.4  | 12.1  | 18.1  |
| 70       | 10.1  | 8.5   | 12.7  |



#38  
Carbon Tetrachloride  
Concen: 17.875 ug/l  
RT: 7.993 min Scan# 1089  
Delta R.T. 0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 23498 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 84.9  | 78.8  | 118.2 |
| 121      | 26.5  | 23.9  | 35.9  |





#39

Methylcyclohexane

Concen: 20.376 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. -0.006 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

Instrument :

MSVOA\_D

ClientSampleId :

VD0919SBS02

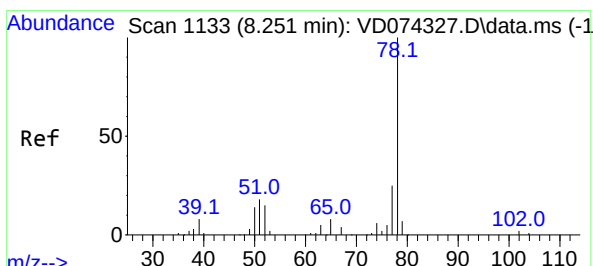
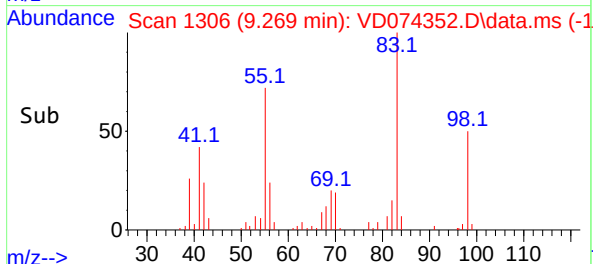
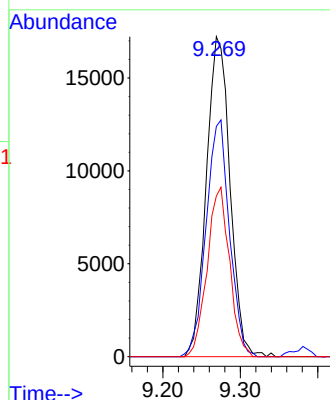
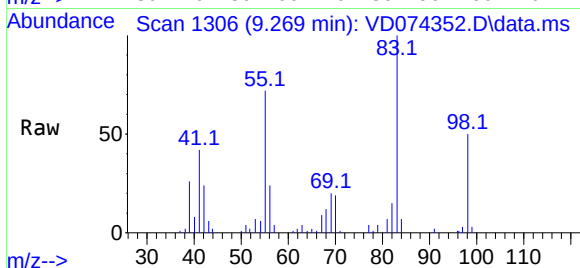
Tgt Ion: 83 Resp: 36560

Ion Ratio Lower Upper

83 100

55 71.9 57.2 85.8

98 50.2 38.3 57.5



#40

Benzene

Concen: 21.100 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD074352.D

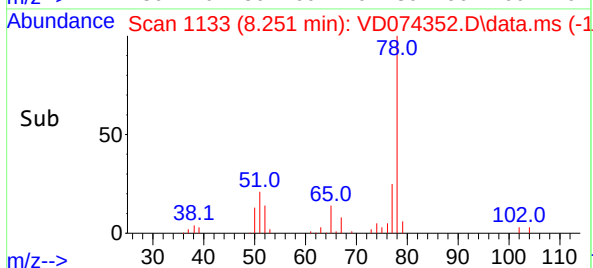
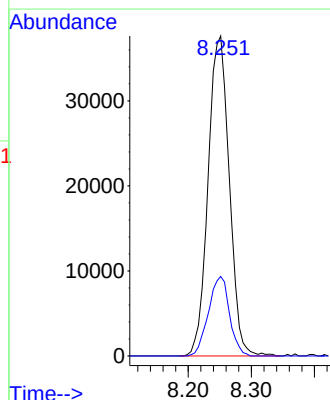
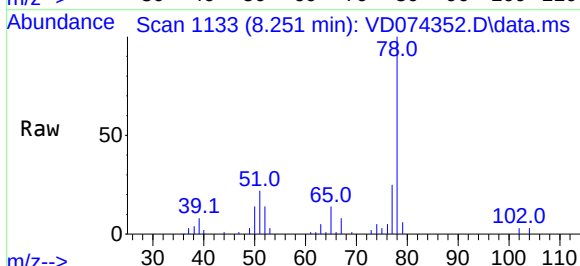
Acq: 19 Sep 2022 18:00

Tgt Ion: 78 Resp: 87760

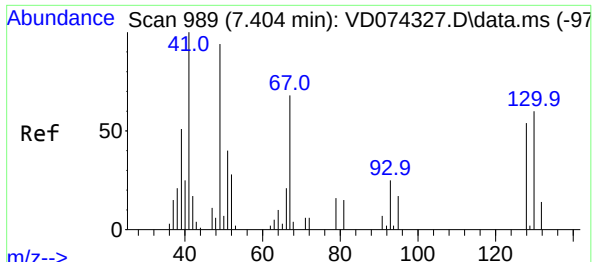
Ion Ratio Lower Upper

78 100

77 24.9 19.4 29.2





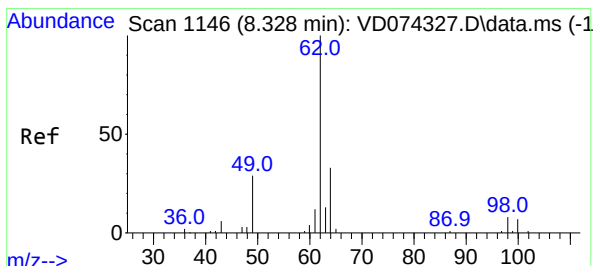
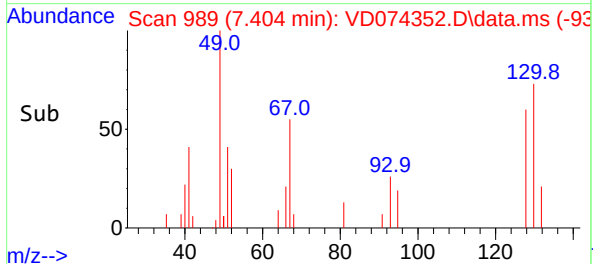
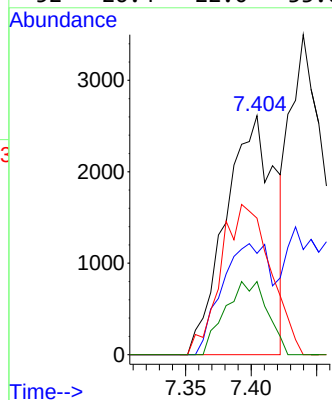
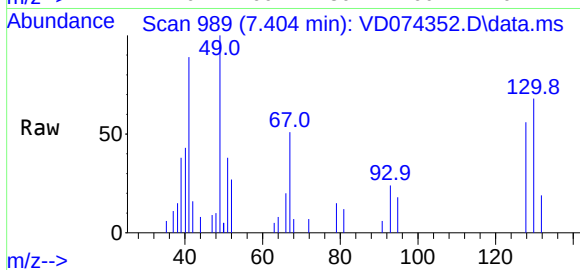


#41  
Methacrylonitrile  
Concen: 21.149 ug/l  
RT: 7.404 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

Tgt Ion: 41 Resp: 6822

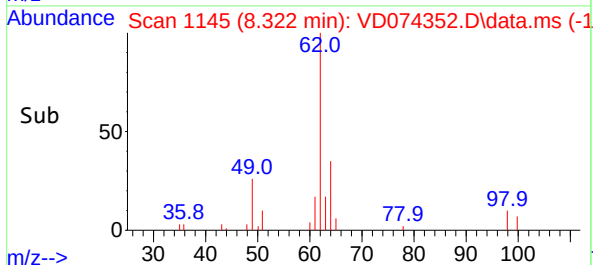
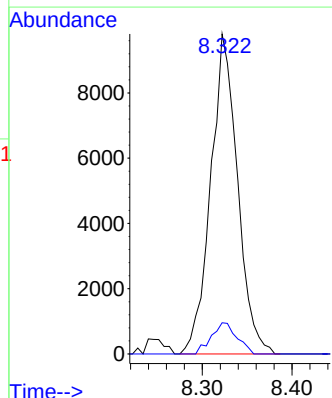
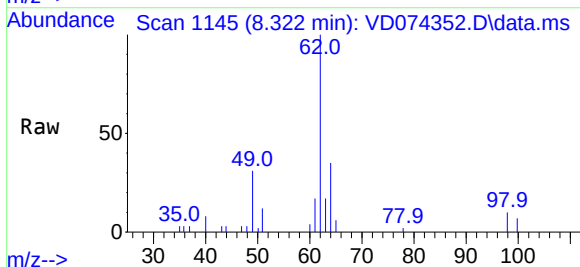
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 44.8  | 39.8  | 59.6  |
| 67  | 63.4  | 56.1  | 84.1  |
| 52  | 26.4  | 22.0  | 33.0  |

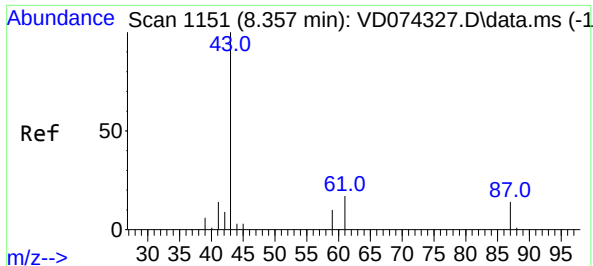


#42  
1,2-Dichloroethane  
Concen: 19.204 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 62 Resp: 20399

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.2   | 0.0   | 21.4  |

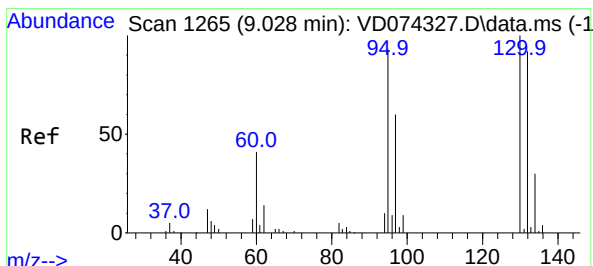
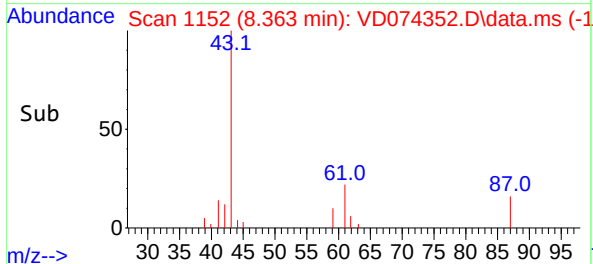
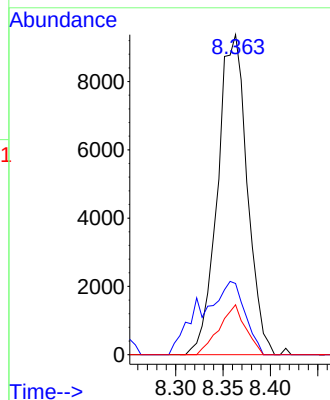
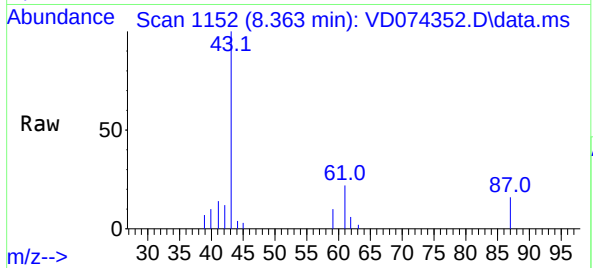




#43  
Isopropyl Acetate  
Concen: 18.523 ug/l  
RT: 8.363 min Scan# 1151  
Delta R.T. 0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

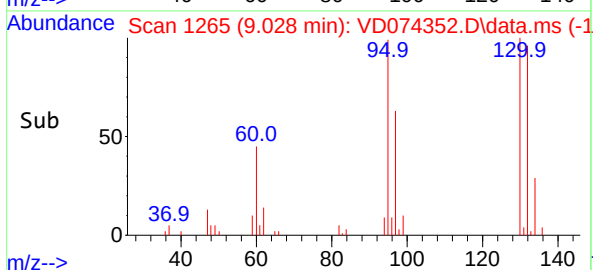
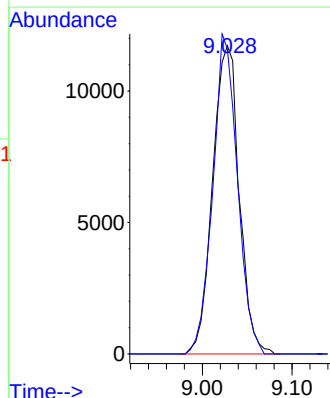
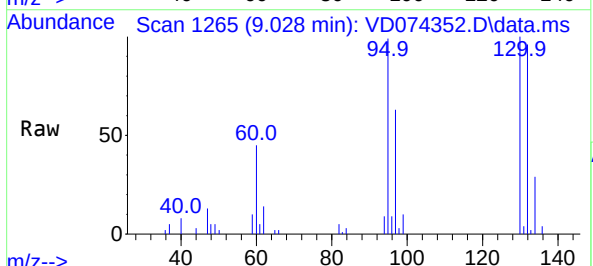
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

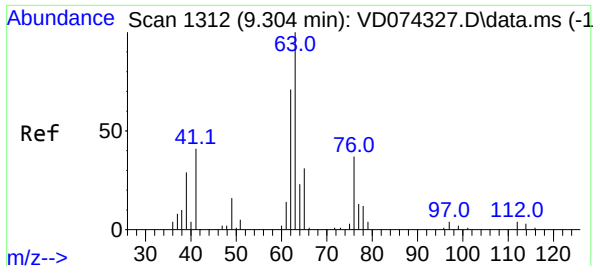
Tgt Ion: 43 Resp: 20309  
Ion Ratio Lower Upper  
43 100  
61 22.2 24.5 36.7#  
87 13.9 10.8 16.2



#44  
Trichloroethene  
Concen: 22.022 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion:130 Resp: 24082  
Ion Ratio Lower Upper  
130 100  
95 98.9 0.0 202.2

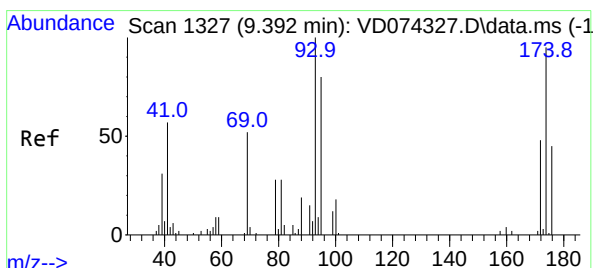
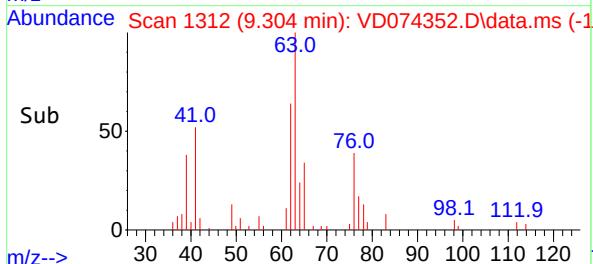
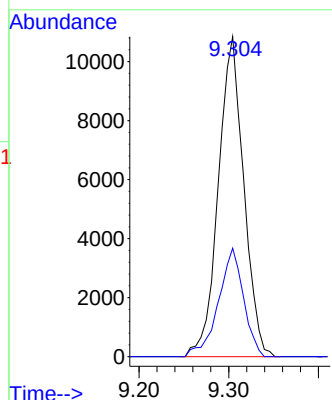
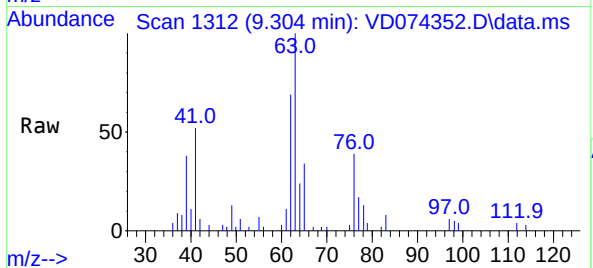




#45  
1,2-Dichloropropane  
Concen: 20.383 ug/l  
RT: 9.304 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

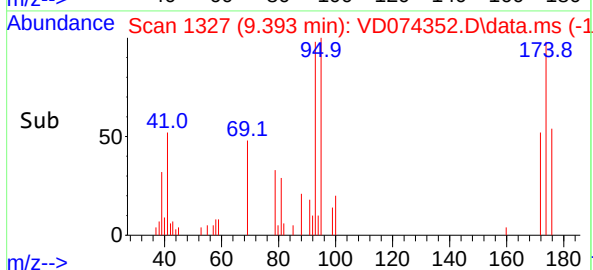
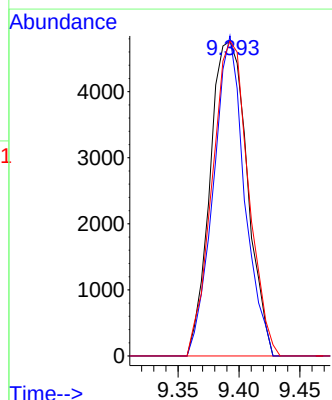
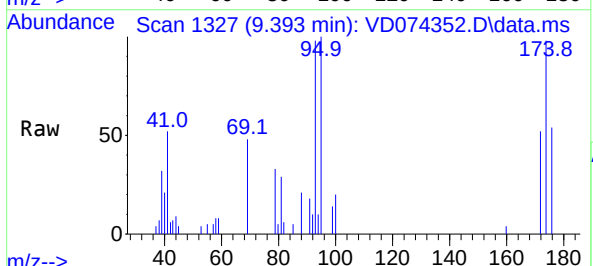
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

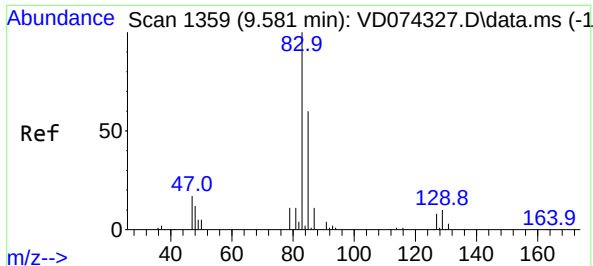
Tgt Ion: 63 Resp: 21321  
Ion Ratio Lower Upper  
63 100  
65 33.9 24.5 36.7



#46  
Dibromomethane  
Concen: 18.788 ug/l  
RT: 9.393 min Scan# 1327  
Delta R.T. 0.001 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 93 Resp: 10109  
Ion Ratio Lower Upper  
93 100  
95 85.2 67.7 101.5  
174 97.2 79.6 119.4

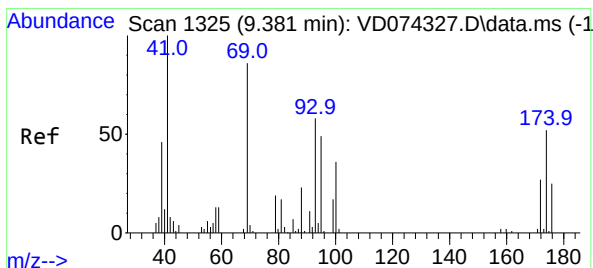
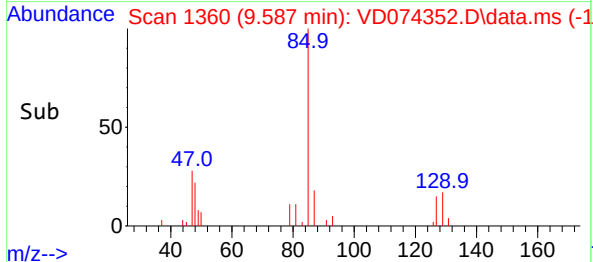
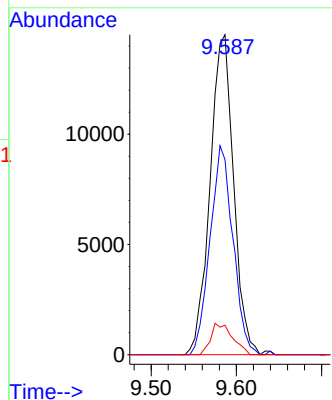
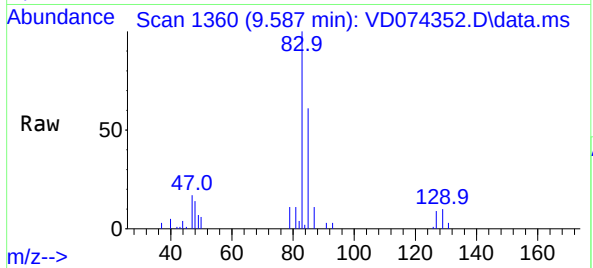




#47  
Bromodichloromethane  
Concen: 21.085 ug/l  
RT: 9.587 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

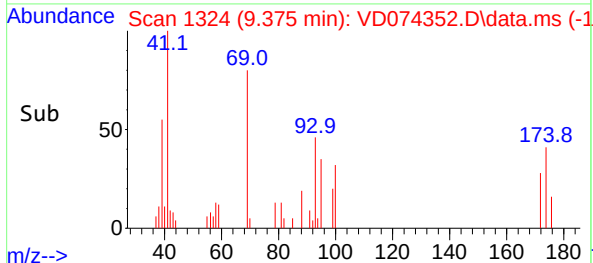
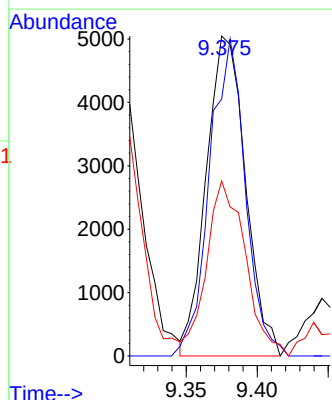
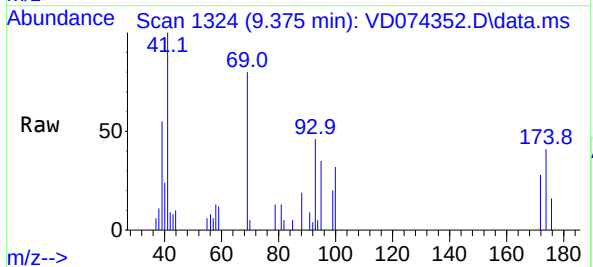
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

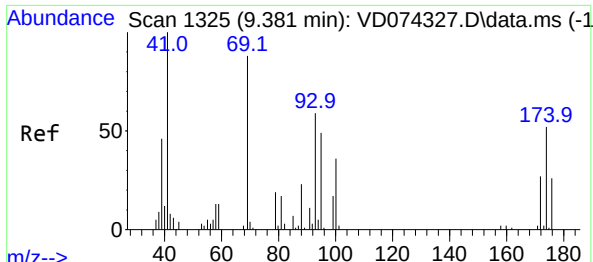
Tgt Ion: 83 Resp: 27943  
Ion Ratio Lower Upper  
83 100  
85 60.9 53.4 80.2  
127 9.2 6.9 10.3



#48  
Methyl methacrylate  
Concen: 18.246 ug/l  
RT: 9.375 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 41 Resp: 9681  
Ion Ratio Lower Upper  
41 100  
69 90.6 72.7 109.1  
39 54.2 41.6 62.4

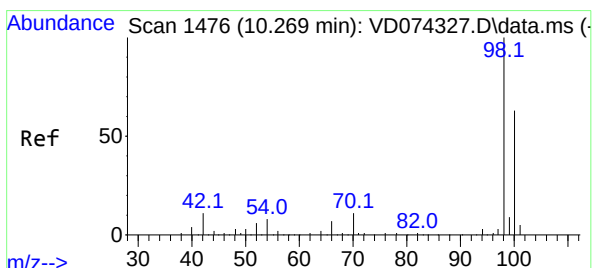
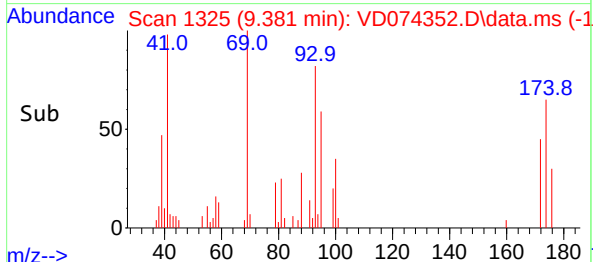
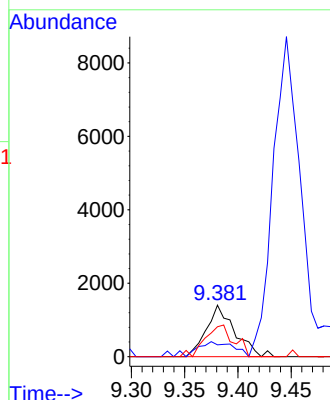
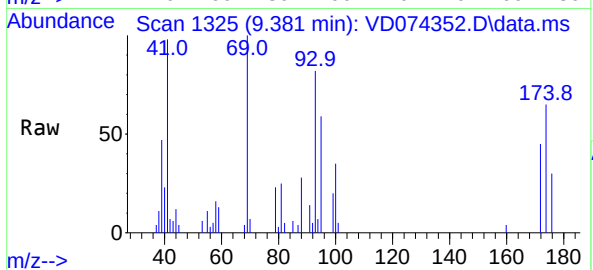




#49  
1,4-Dioxane  
Concen: 441.555 ug/l  
RT: 9.381 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

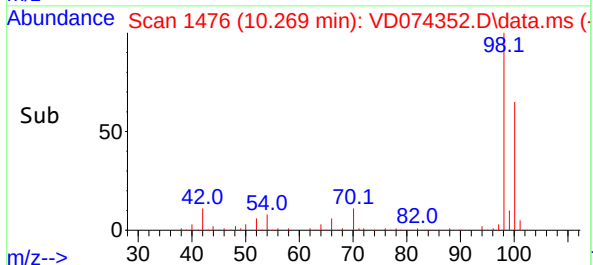
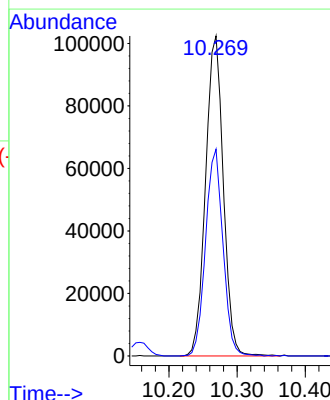
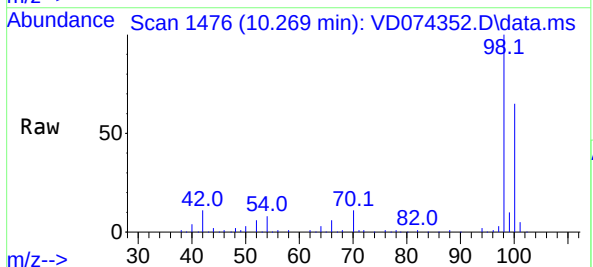
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

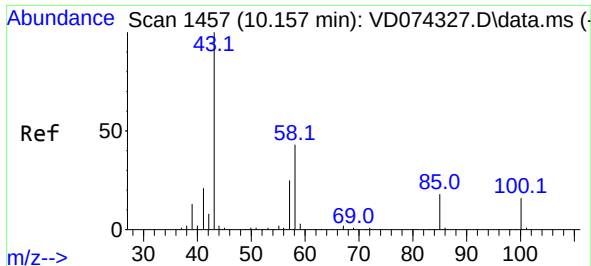
Tgt Ion: 88 Resp: 2600  
Ion Ratio Lower Upper  
88 100  
43 36.9 27.0 40.4  
58 61.8 54.2 81.2



#50  
Toluene-d8  
Concen: 55.319 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 98 Resp: 185489  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.8 77.8

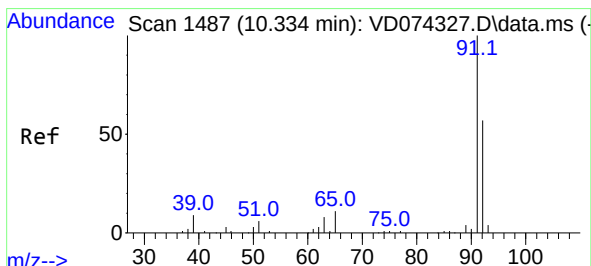
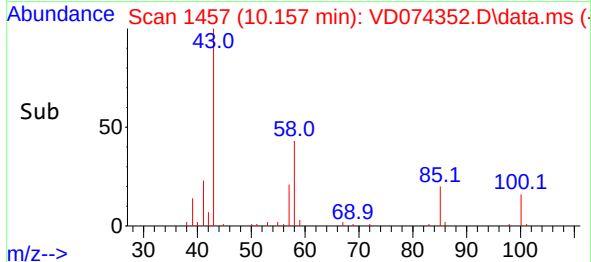
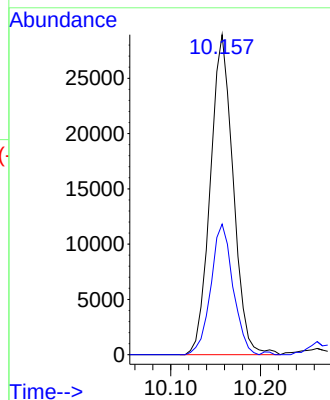
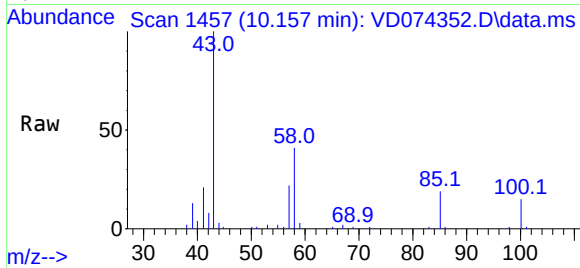




#51  
4-Methyl-2-Pentanone  
Concen: 88.795 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

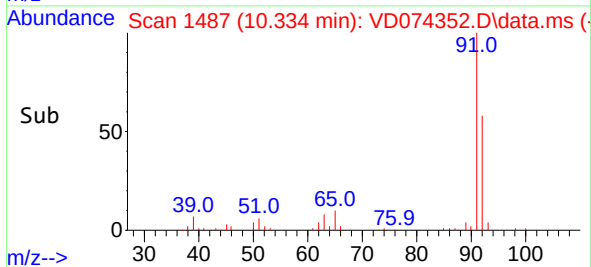
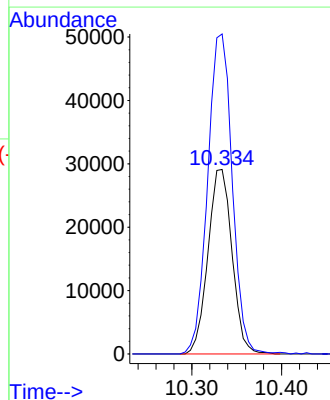
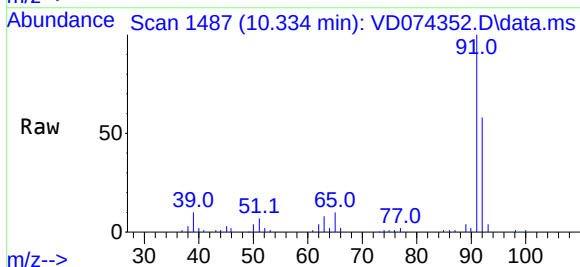
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

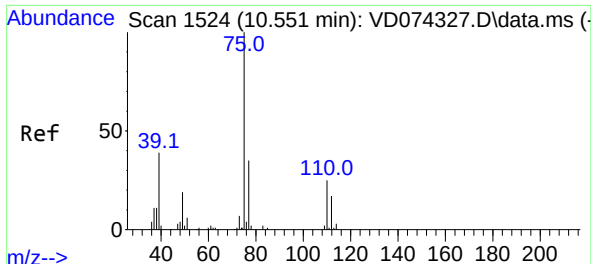
Tgt Ion: 43 Resp: 51150  
Ion Ratio Lower Upper  
43 100  
58 39.6 33.3 49.9



#52  
Toluene  
Concen: 21.175 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 92 Resp: 54251  
Ion Ratio Lower Upper  
92 100  
91 176.9 139.3 208.9

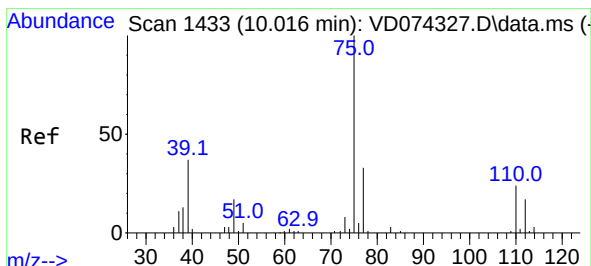
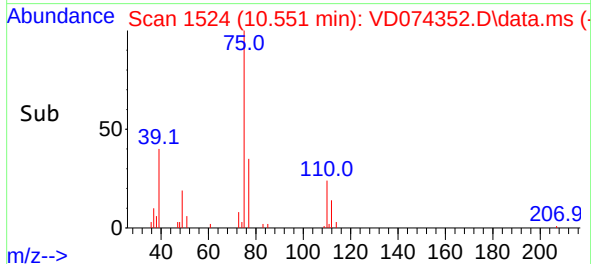
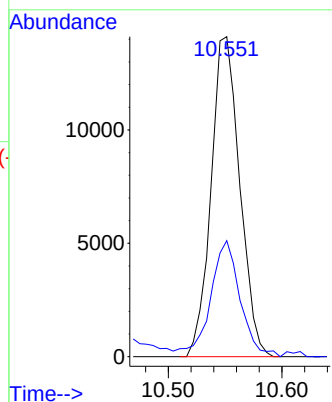
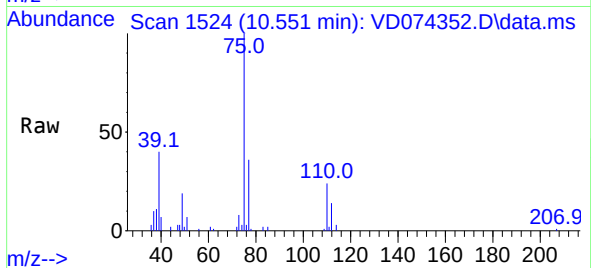




#53  
t-1,3-Dichloropropene  
Concen: 20.930 ug/l  
RT: 10.551 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

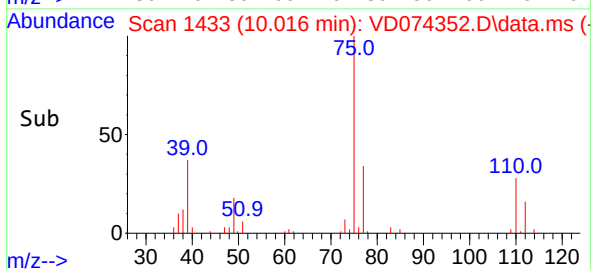
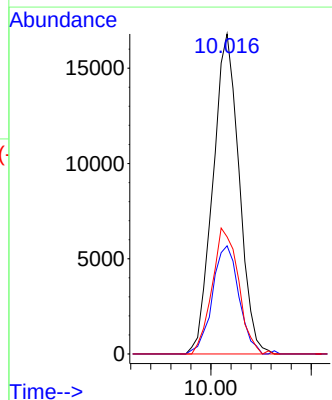
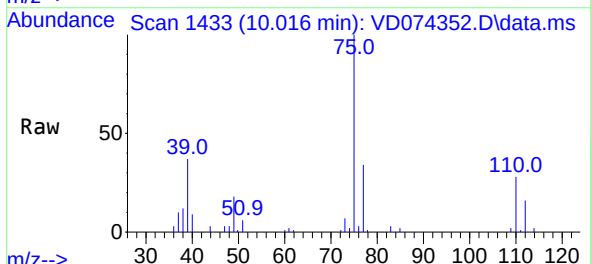
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

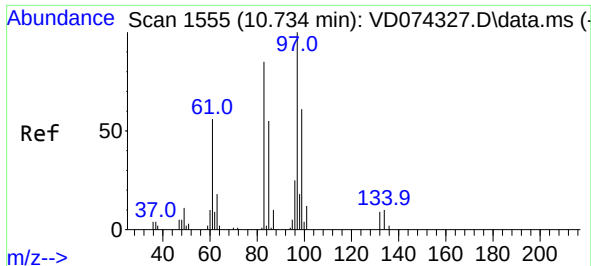
Tgt Ion: 75 Resp: 24748  
Ion Ratio Lower Upper  
75 100  
77 36.3 25.7 38.5



#54  
cis-1,3-Dichloropropene  
Concen: 19.853 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 75 Resp: 30370  
Ion Ratio Lower Upper  
75 100  
77 33.8 25.4 38.0  
39 36.6 31.6 47.4

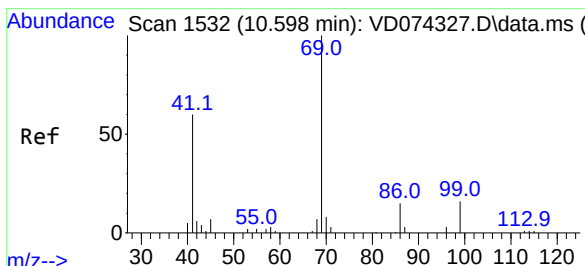
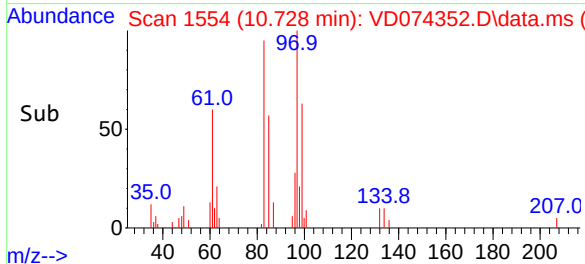
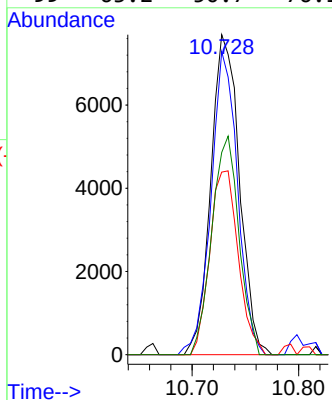
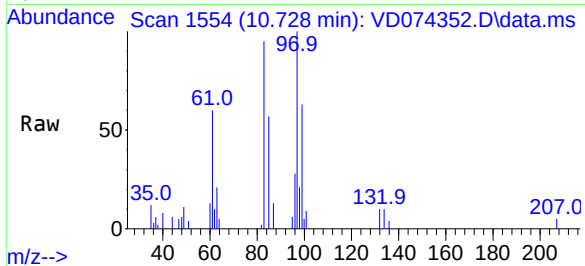




#55  
1,1,2-Trichloroethane  
Concen: 20.227 ug/l  
RT: 10.728 min Scan# 1555  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

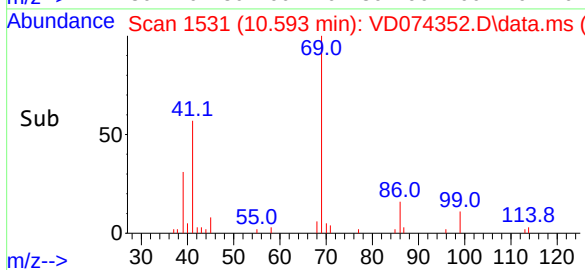
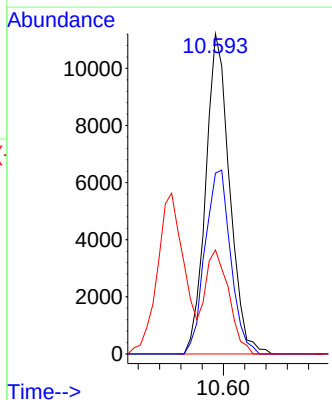
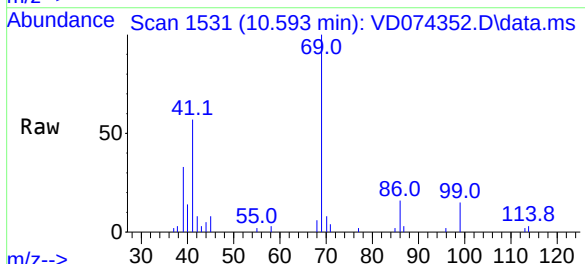
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 14336 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 94.7     | 68.0 102.0  |
| 85 57.0     | 45.8 68.8   |
| 99 63.2     | 50.7 76.1   |

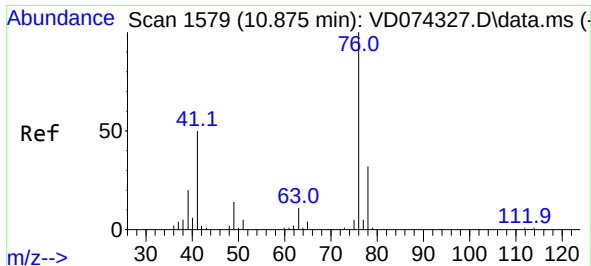


#56  
Ethyl methacrylate  
Concen: 18.825 ug/l  
RT: 10.593 min Scan# 1531  
Delta R.T. -0.005 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 17478 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 61.8     | 49.4 74.2   |
| 39 32.2     | 24.2 36.4   |







#57

1,3-Dichloropropane

Concen: 19.285 ug/l

RT: 10.881 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

Instrument :

MSVOA\_D

ClientSampleId :

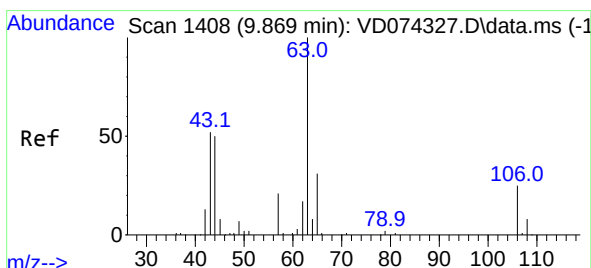
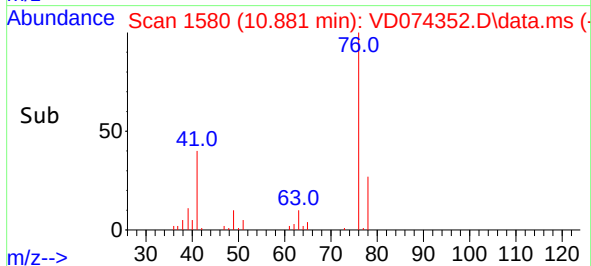
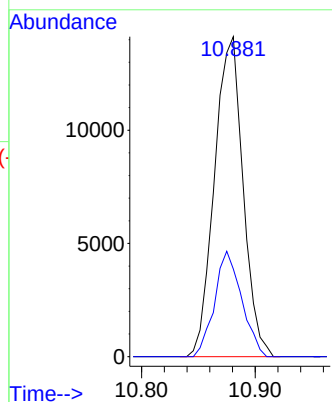
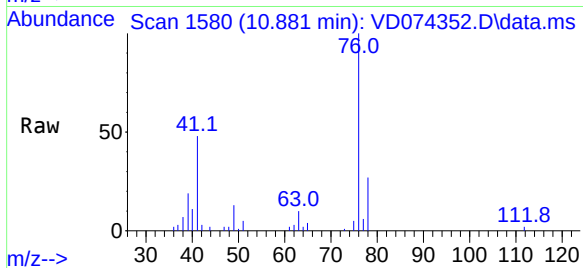
VD0919SBS02

Tgt Ion: 76 Resp: 24703

Ion Ratio Lower Upper

76 100

78 31.2 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 52.282 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD074352.D

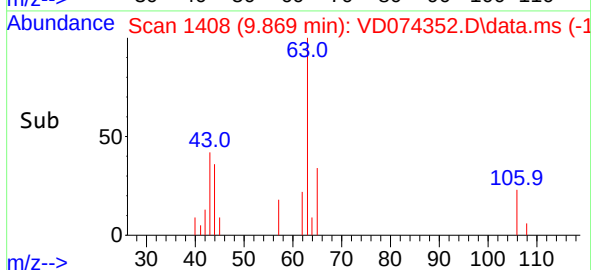
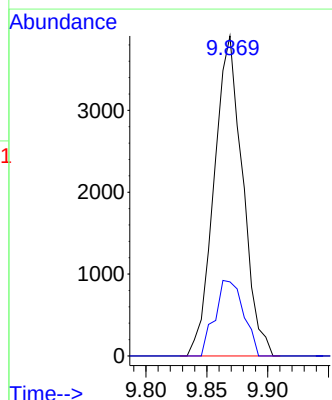
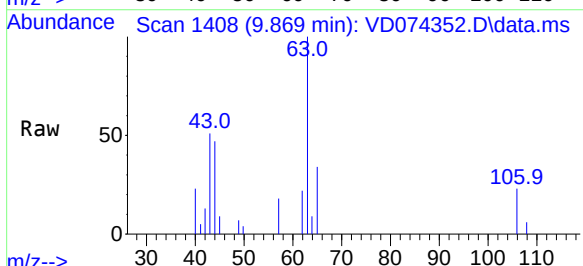
Acq: 19 Sep 2022 18:00

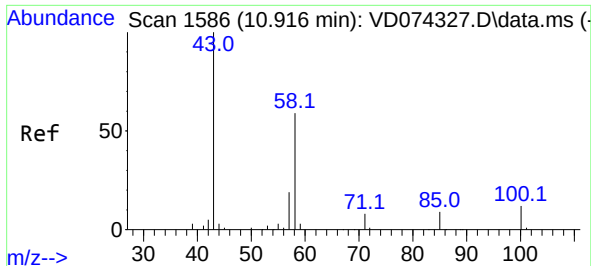
Tgt Ion: 63 Resp: 6359

Ion Ratio Lower Upper

63 100

106 23.6 21.9 32.9

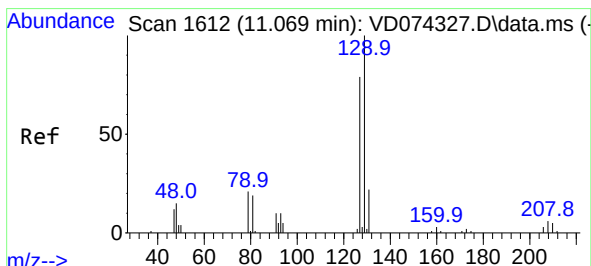
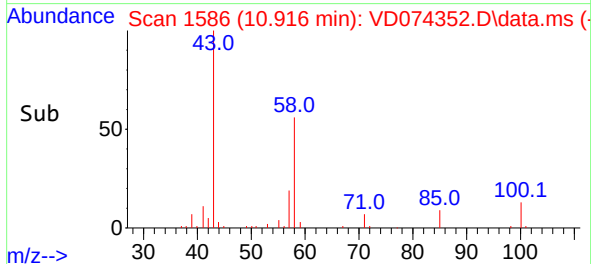
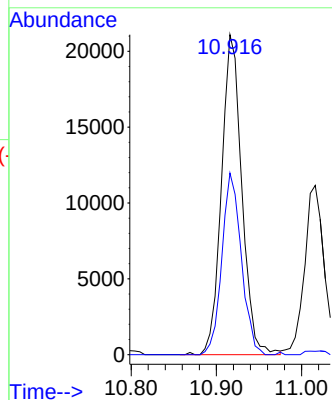
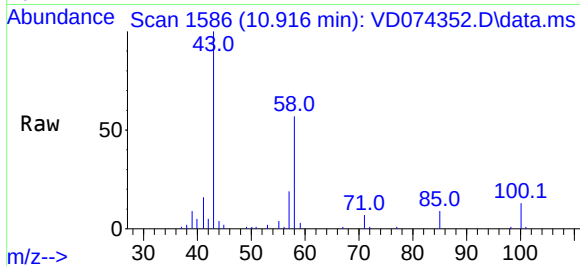




#59  
2-Hexanone  
Concen: 86.778 ug/l  
RT: 10.916 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

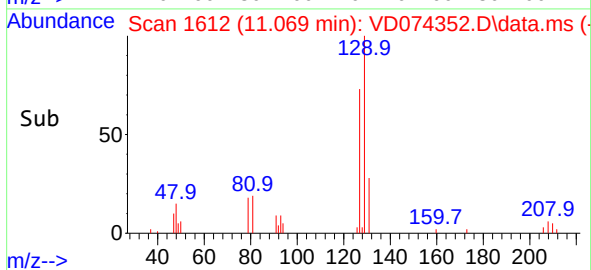
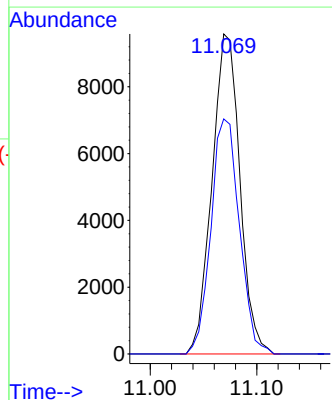
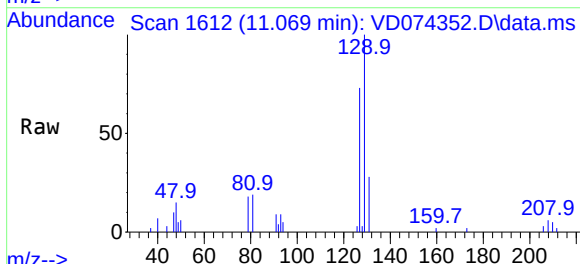
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

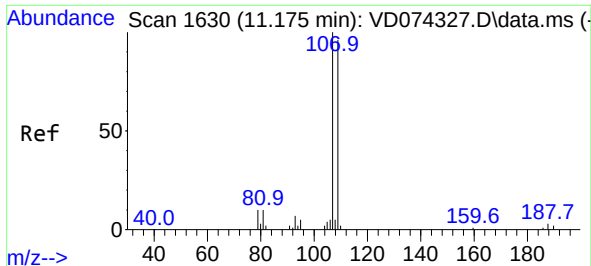
Tgt Ion: 43 Resp: 34965  
Ion Ratio Lower Upper  
43 100  
58 54.3 28.6 85.8



#60  
Dibromochloromethane  
Concen: 20.539 ug/l  
RT: 11.069 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 129 Resp: 17432  
Ion Ratio Lower Upper  
129 100  
127 75.0 39.0 116.9

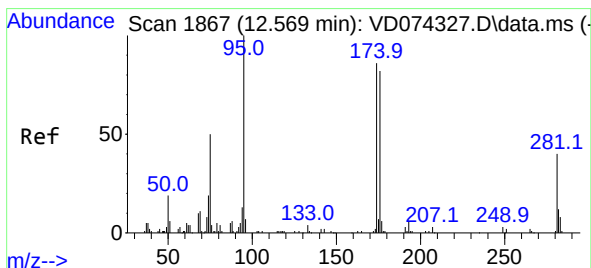
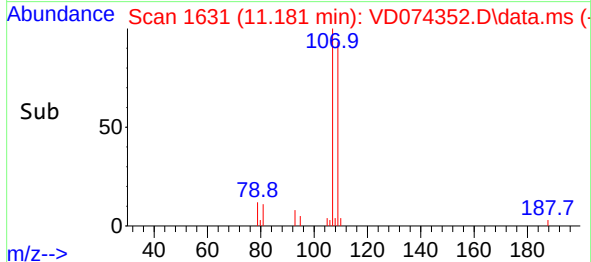
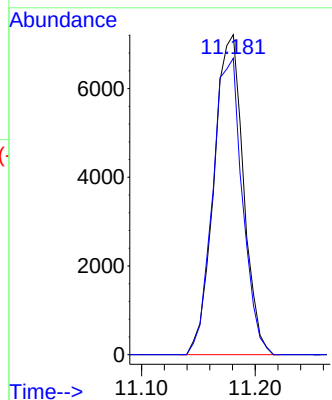
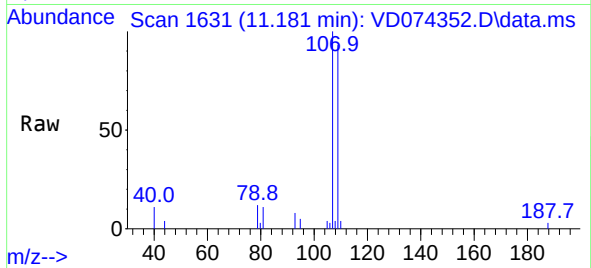




#61  
1,2-Dibromoethane  
Concen: 19.085 ug/l  
RT: 11.181 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

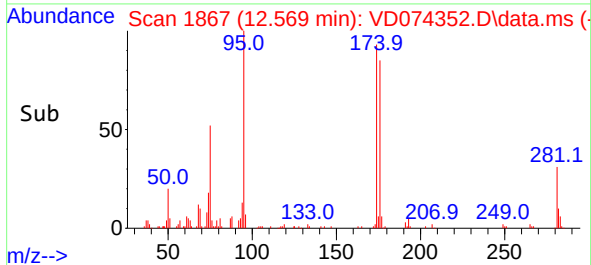
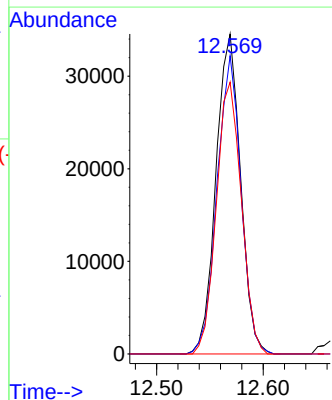
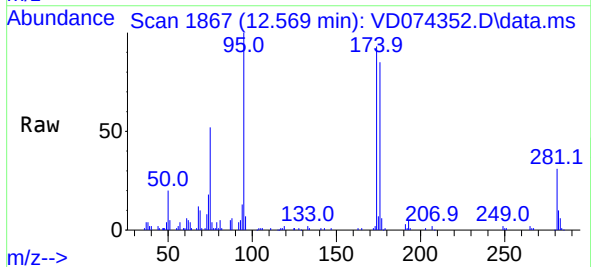
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

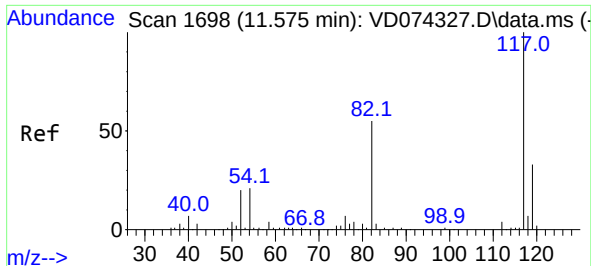
Tgt Ion:107 Resp: 12990  
Ion Ratio Lower Upper  
107 100  
109 93.4 73.7 110.5



#62  
4-Bromofluorobenzene  
Concen: 48.400 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 95 Resp: 55208  
Ion Ratio Lower Upper  
95 100  
174 91.3 0.0 179.2  
176 86.5 0.0 171.4

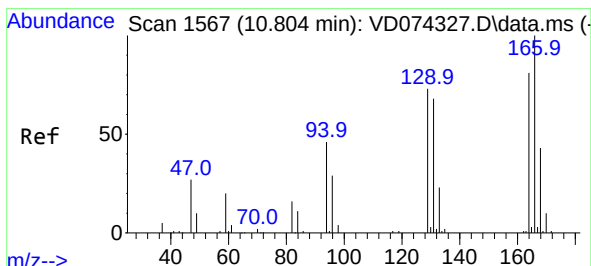
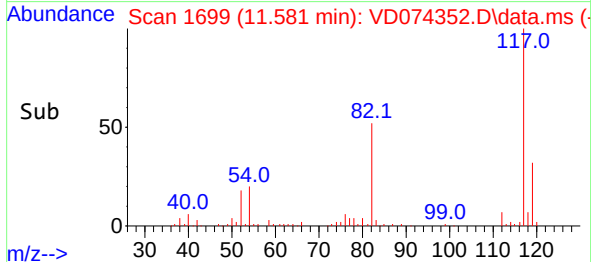
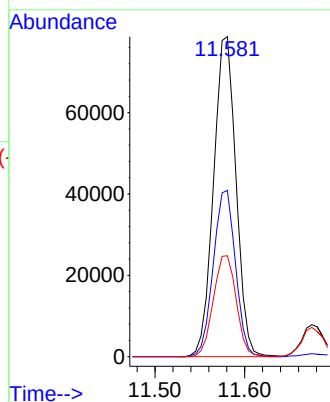
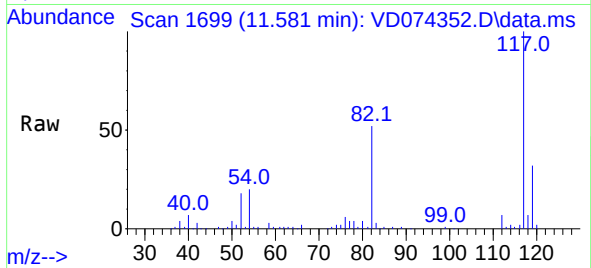




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

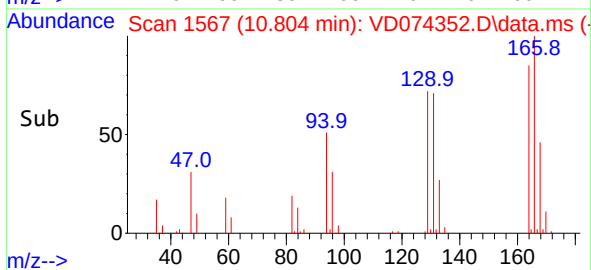
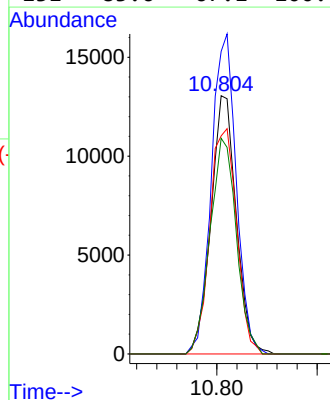
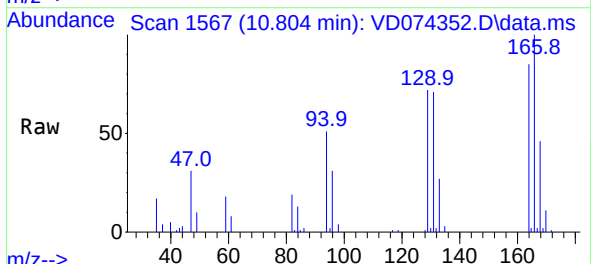
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

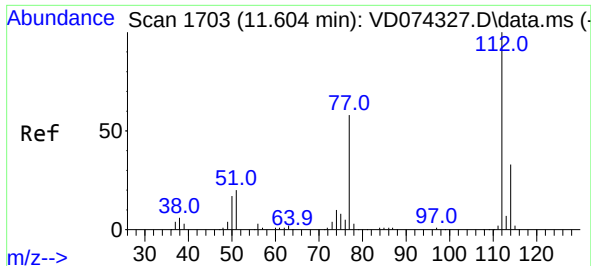
Tgt Ion:117 Resp: 136776  
Ion Ratio Lower Upper  
117 100  
82 51.9 44.2 66.2  
119 31.5 25.4 38.0



#64  
Tetrachloroethene  
Concen: 24.684 ug/l  
RT: 10.804 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion:164 Resp: 22885  
Ion Ratio Lower Upper  
164 100  
166 117.2 93.8 140.8  
129 84.5 68.3 102.5  
131 83.6 67.1 100.7

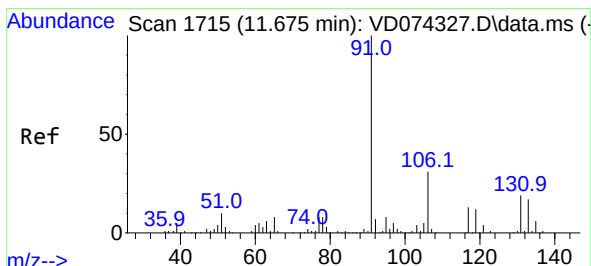
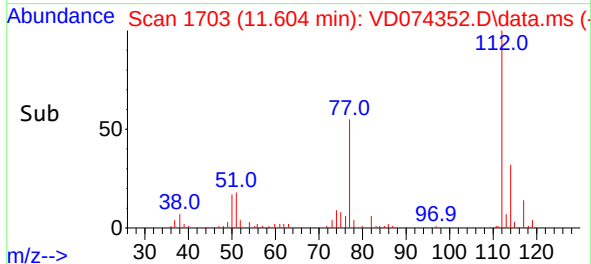
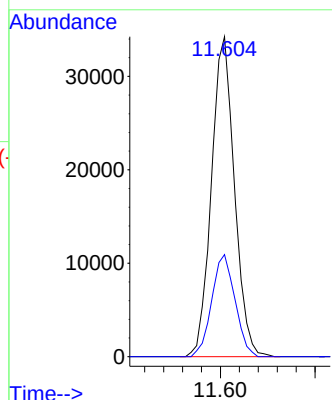
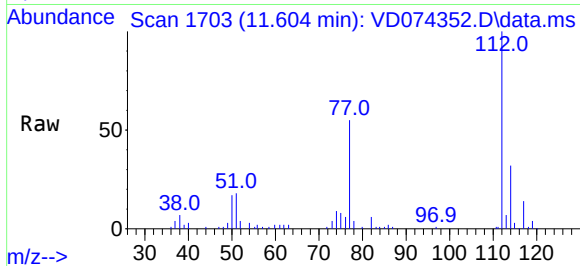




#65  
Chlorobenzene  
Concen: 20.482 ug/l  
RT: 11.604 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

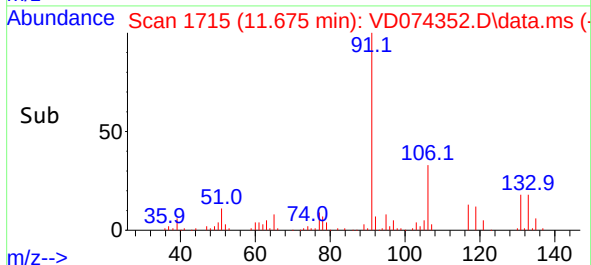
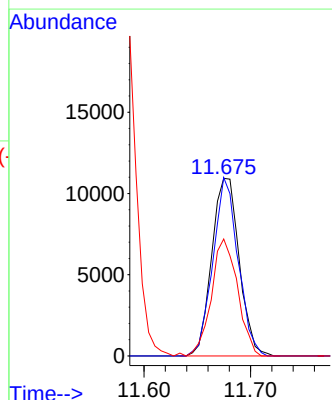
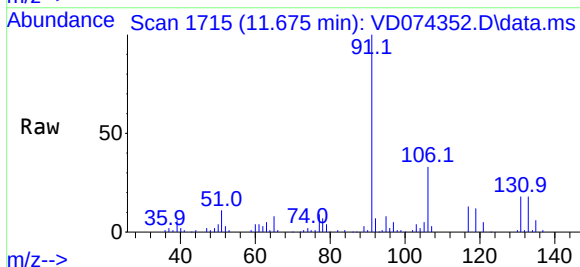
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

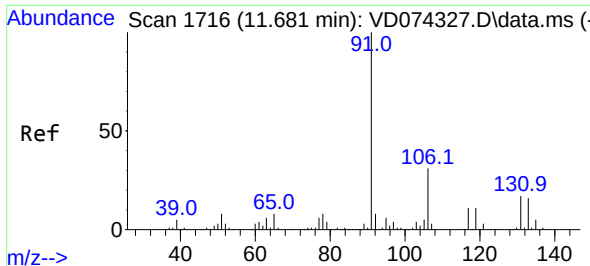
Tgt Ion:112 Resp: 57713  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.218 ug/l  
RT: 11.675 min Scan# 1715  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion:131 Resp: 19564  
Ion Ratio Lower Upper  
131 100  
133 92.4 47.8 143.4  
119 63.1 33.1 99.5

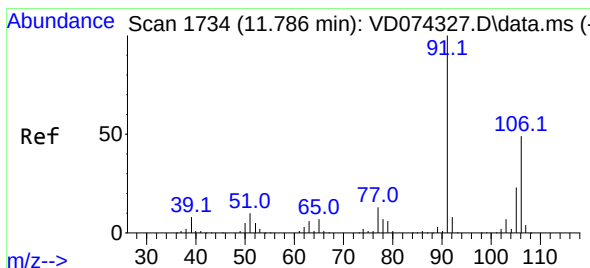
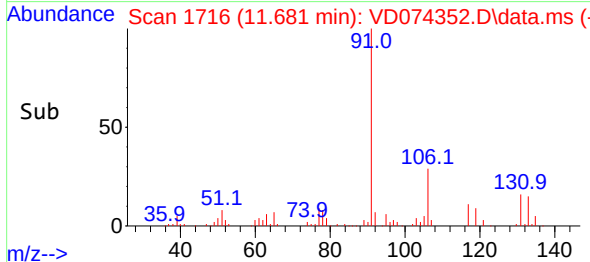
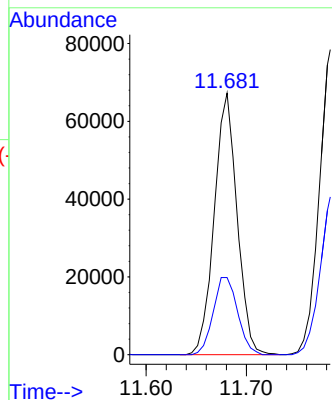
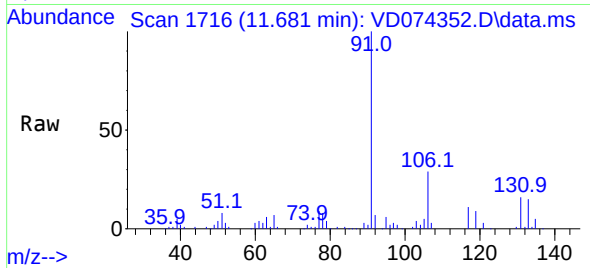




#67  
Ethyl Benzene  
Concen: 20.508 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

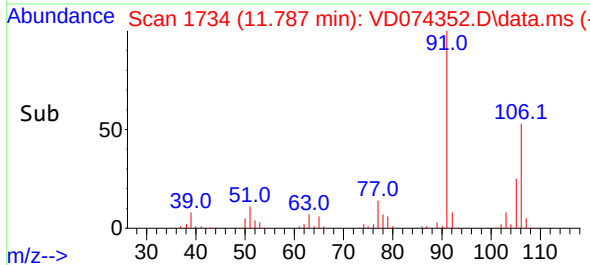
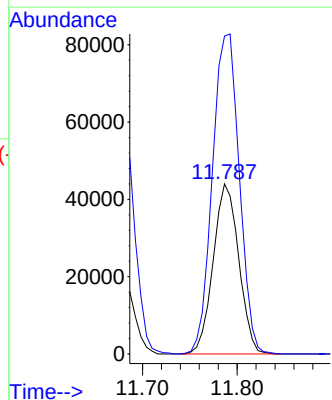
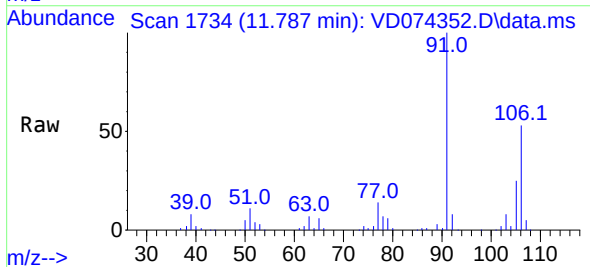
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

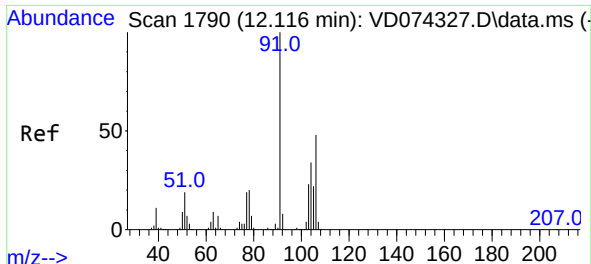
Tgt Ion: 91 Resp: 106013  
Ion Ratio Lower Upper  
91 100  
106 29.5 24.8 37.2



#68  
m/p-Xylenes  
Concen: 41.665 ug/l  
RT: 11.787 min Scan# 1734  
Delta R.T. 0.001 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion:106 Resp: 82505  
Ion Ratio Lower Upper  
106 100  
91 198.4 158.6 237.8

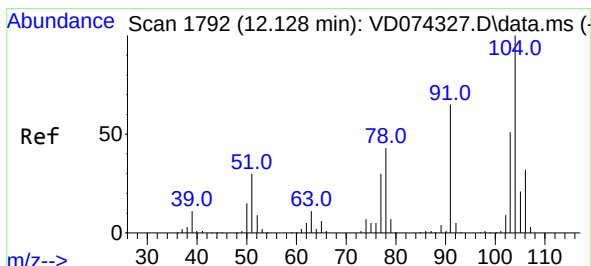
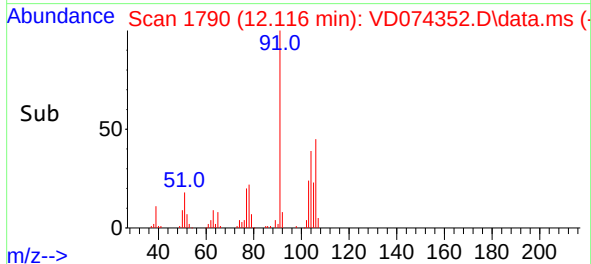
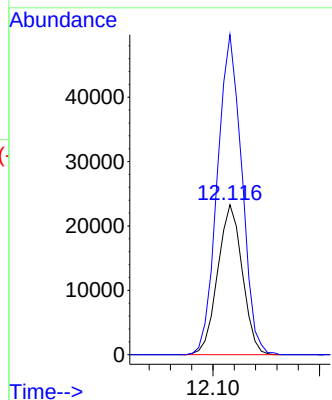
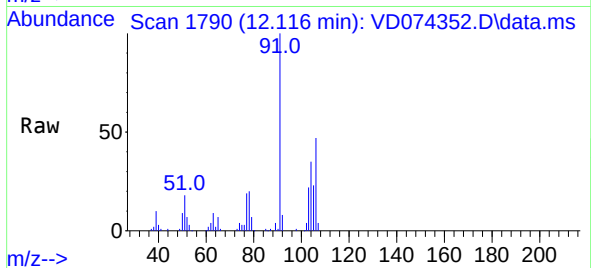




#69  
o-Xylene  
Concen: 20.653 ug/l  
RT: 12.116 min Scan# 1790  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

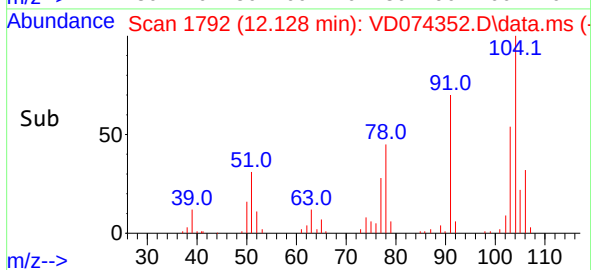
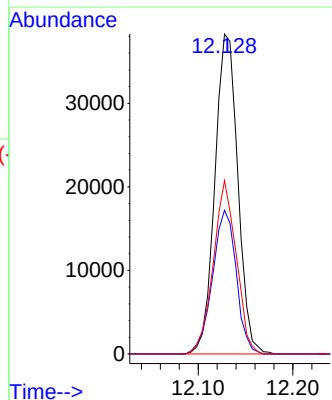
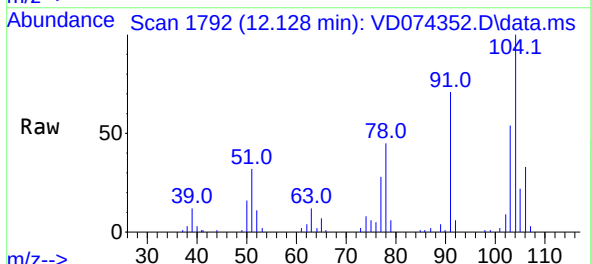
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

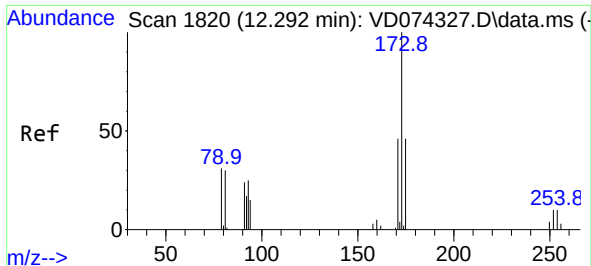
Tgt Ion:106 Resp: 37375  
Ion Ratio Lower Upper  
106 100  
91 212.4 104.0 312.0



#70  
Styrene  
Concen: 20.953 ug/l  
RT: 12.128 min Scan# 1792  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion:104 Resp: 64578  
Ion Ratio Lower Upper  
104 100  
78 46.4 38.4 57.6  
103 54.2 44.1 66.1

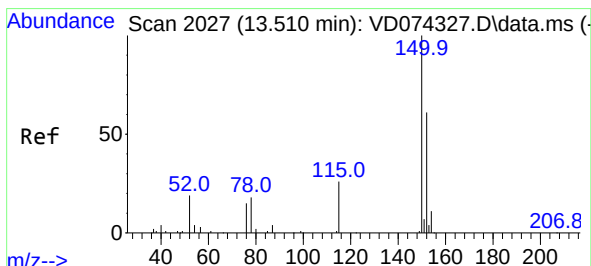
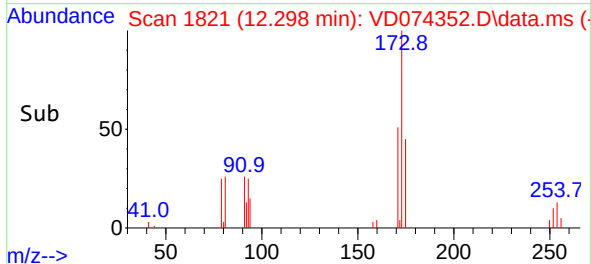
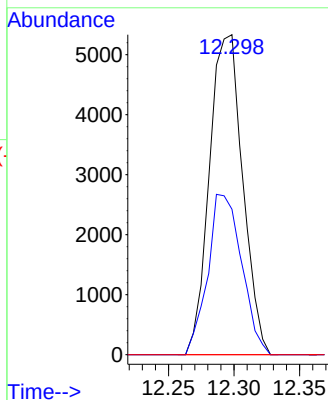
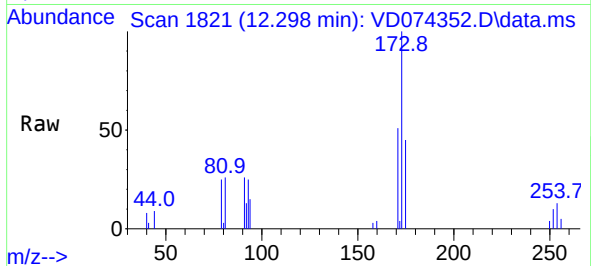




#71  
Bromoform  
Concen: 18.138 ug/l  
RT: 12.298 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

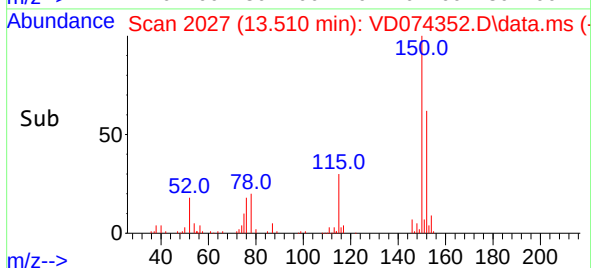
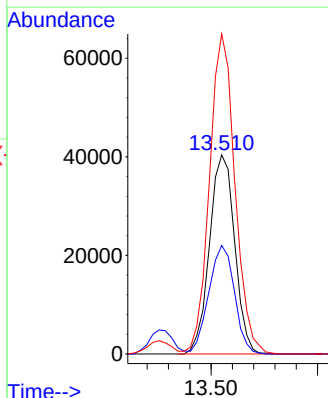
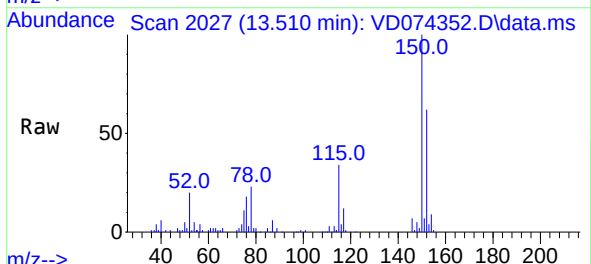
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

Tgt Ion:173 Resp: 9418  
Ion Ratio Lower Upper  
173 100  
175 51.0 24.2 72.6  
254 0.0 0.0 0.0

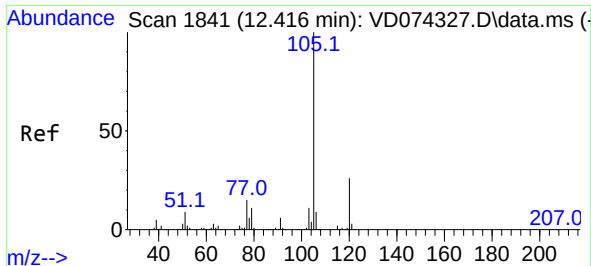


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.510 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion:152 Resp: 66282  
Ion Ratio Lower Upper  
152 100  
115 55.4 28.4 85.2  
150 162.4 0.0 351.0



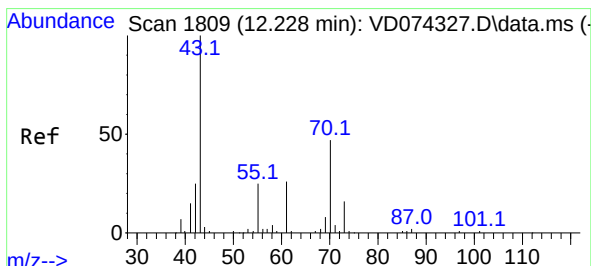
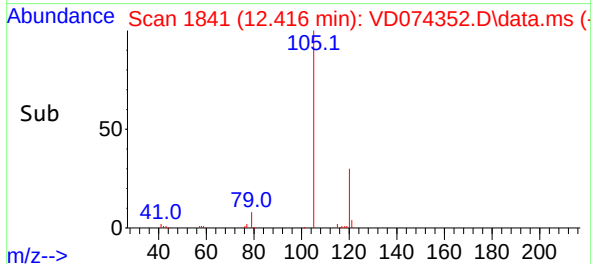
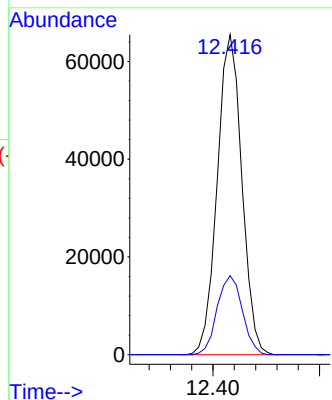
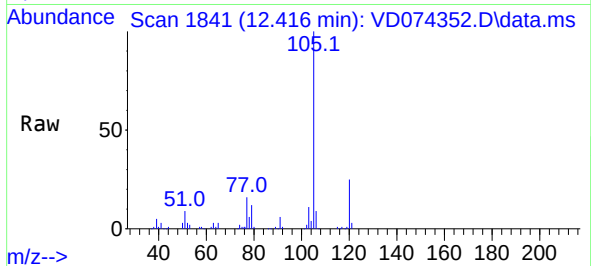




#73  
Isopropylbenzene  
Concen: 20.550 ug/l  
RT: 12.416 min Scan# 1841  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

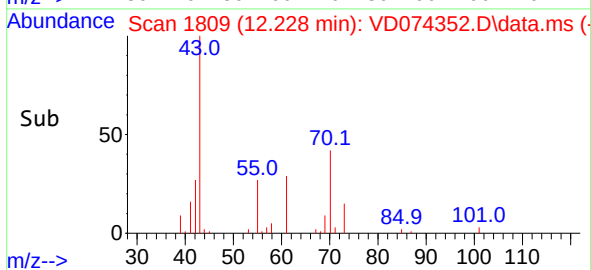
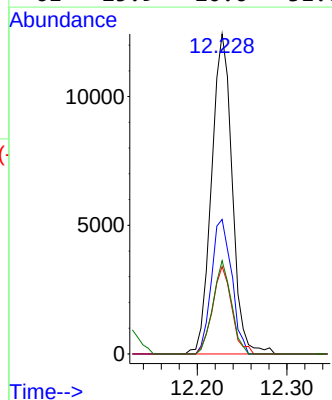
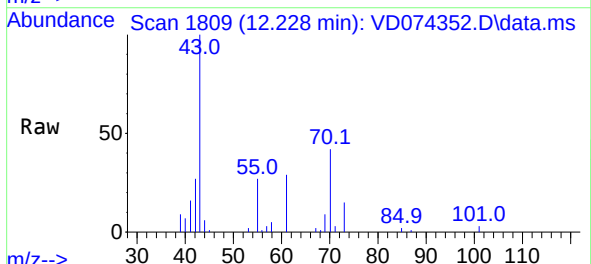
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

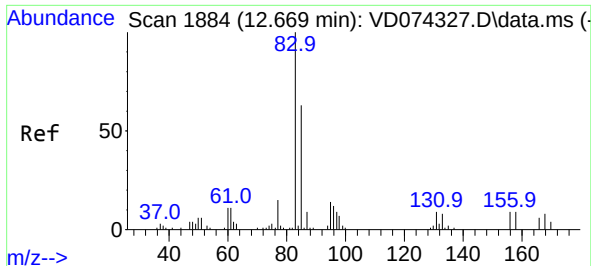
Tgt Ion:105 Resp: 104761  
Ion Ratio Lower Upper  
105 100  
120 25.3 13.2 39.6



#74  
N-ethyl acetate  
Concen: 17.608 ug/l  
RT: 12.228 min Scan# 1809  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 43 Resp: 19838  
Ion Ratio Lower Upper  
43 100  
70 41.2 34.6 51.8  
55 25.3 18.2 27.2  
61 25.9 20.6 31.0

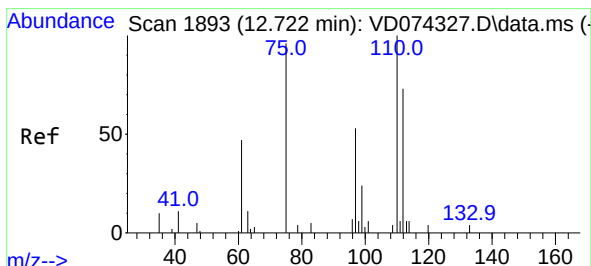
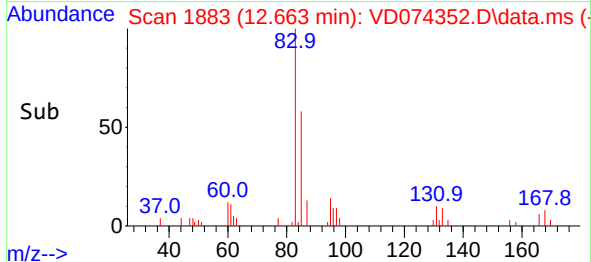
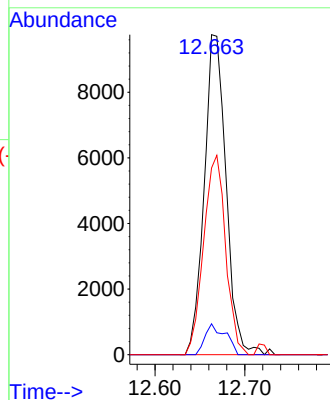
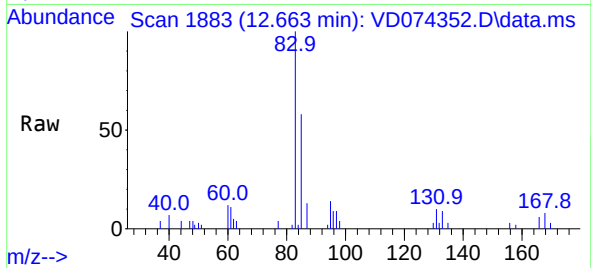




#75  
1,1,2,2-Tetrachloroethane  
Concen: 18.666 ug/l  
RT: 12.663 min Scan# 1883  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

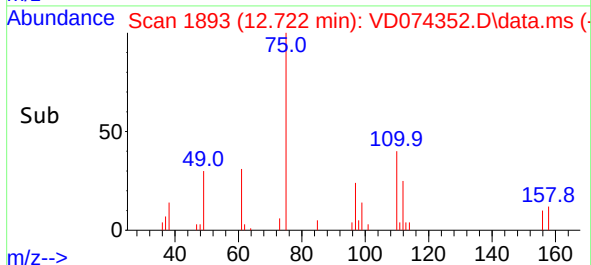
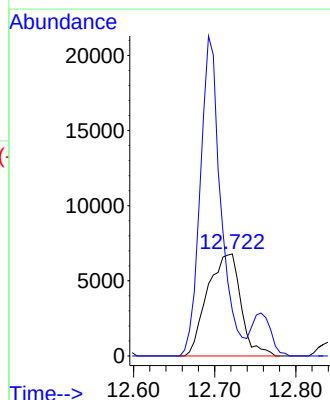
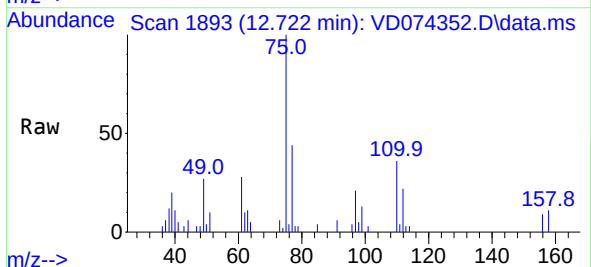
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

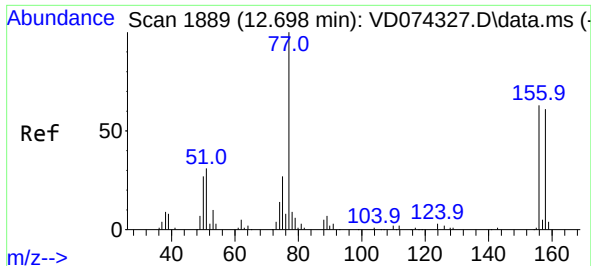
Tgt Ion: 83 Resp: 16533  
Ion Ratio Lower Upper  
83 100  
131 8.9 4.9 14.7  
85 62.6 32.3 96.9



#76  
1,2,3-Trichloropropane  
Concen: 31.616 ug/l  
RT: 12.722 min Scan# 1893  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 75 Resp: 19389  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

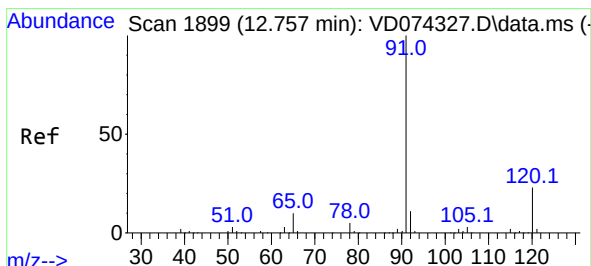
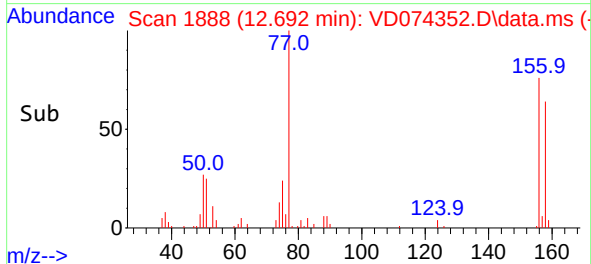
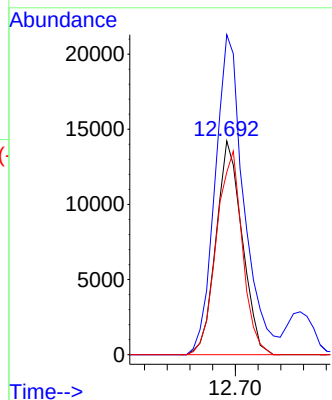
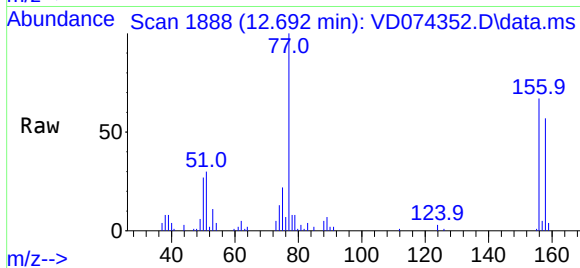




#77  
Bromobenzene  
Concen: 20.465 ug/l  
RT: 12.692 min Scan# 1888  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

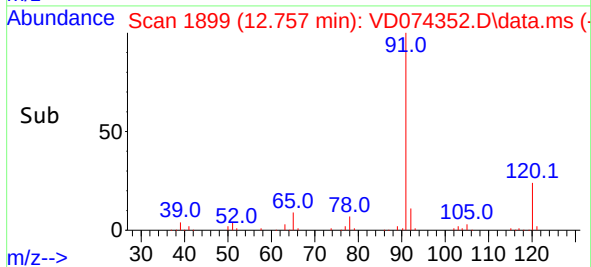
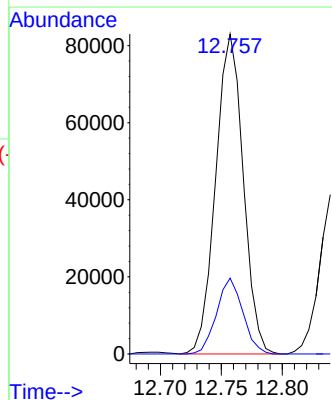
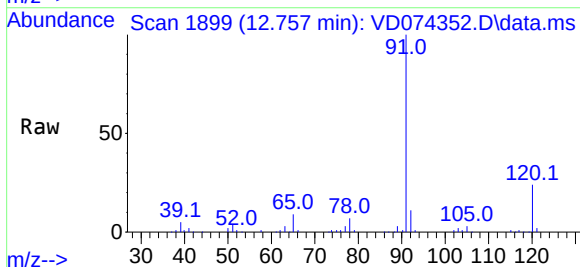
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

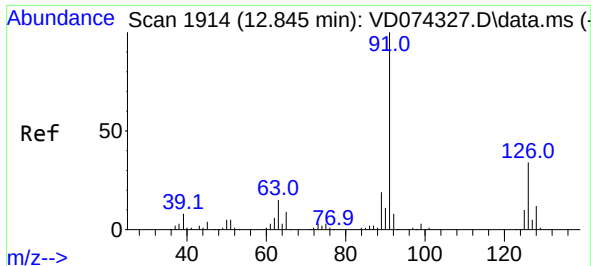
Tgt Ion:156 Resp: 22797  
Ion Ratio Lower Upper  
156 100  
77 165.2 91.1 273.3  
158 94.3 49.4 148.2



#78  
n-propylbenzene  
Concen: 20.633 ug/l  
RT: 12.757 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 91 Resp: 130475  
Ion Ratio Lower Upper  
91 100  
120 22.5 11.6 34.7





#79

2-Chlorotoluene

Concen: 20.516 ug/l

RT: 12.839 min Scan# 1914

Delta R.T. -0.006 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

Instrument :

MSVOA\_D

ClientSampleId :

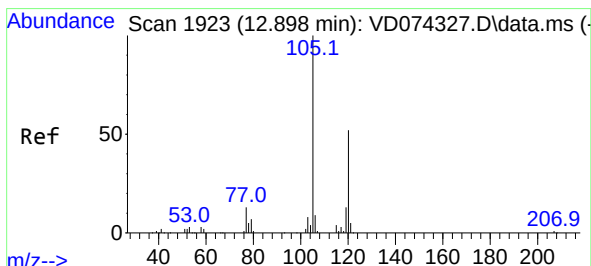
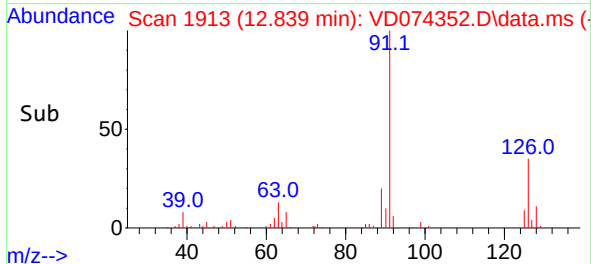
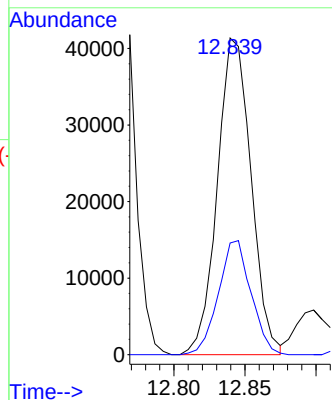
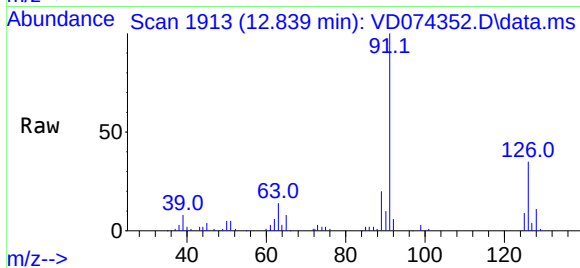
VD0919SBS02

Tgt Ion: 91 Resp: 68419

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 20.570 ug/l

RT: 12.898 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VD074352.D

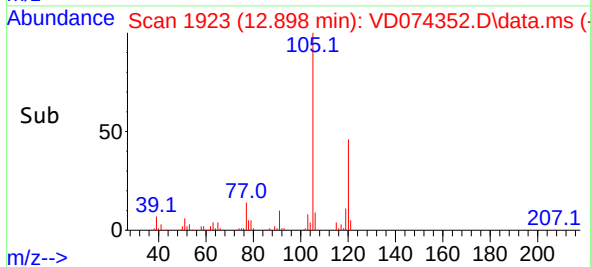
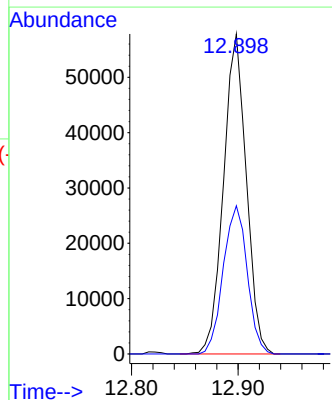
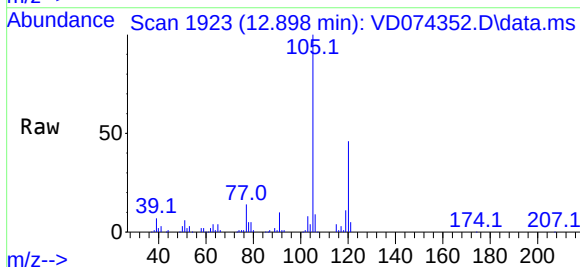
Acq: 19 Sep 2022 18:00

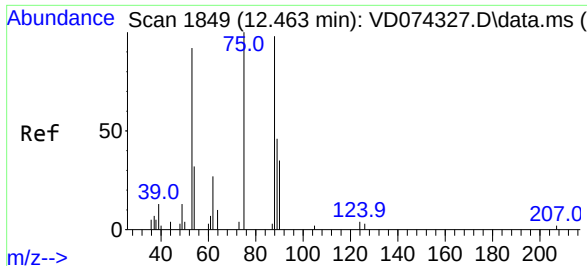
Tgt Ion:105 Resp: 85745

Ion Ratio Lower Upper

105 100

120 48.7 24.6 74.0

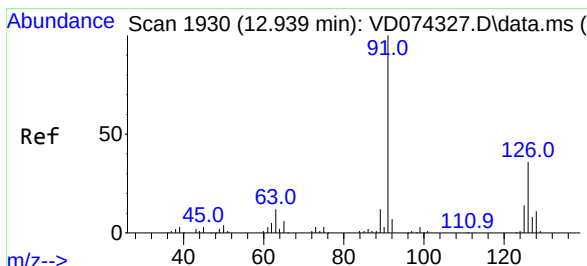
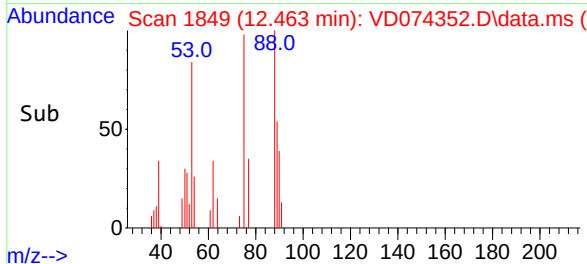
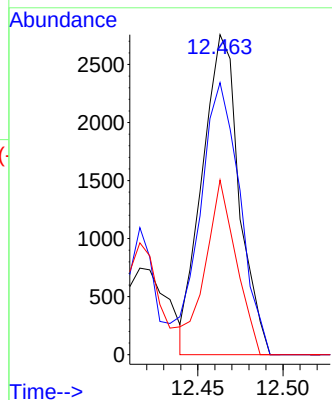
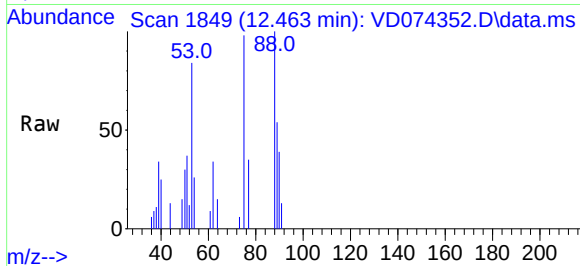




#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.993 ug/l  
RT: 12.463 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

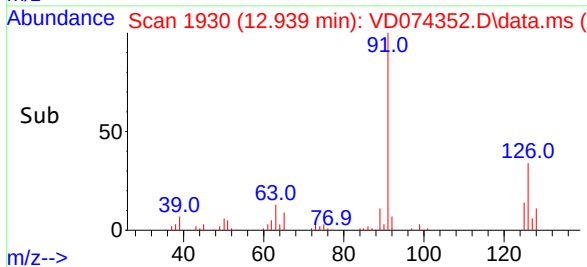
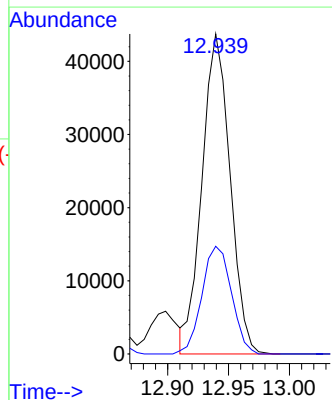
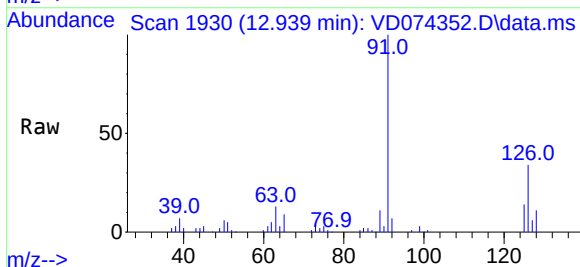
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

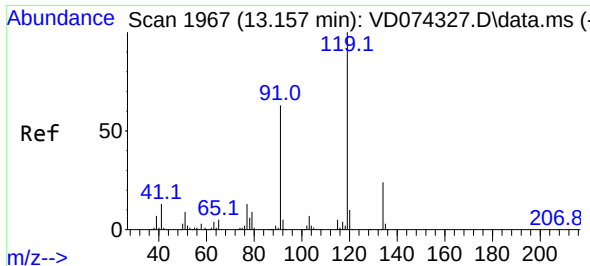
Tgt Ion: 75 Resp: 4158  
Ion Ratio Lower Upper  
75 100  
53 91.9 0.0 0.0#  
89 45.5 0.0 0.0#



#82  
4-Chlorotoluene  
Concen: 20.313 ug/l  
RT: 12.939 min Scan# 1930  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Tgt Ion: 91 Resp: 70250  
Ion Ratio Lower Upper  
91 100  
126 35.4 17.2 51.6

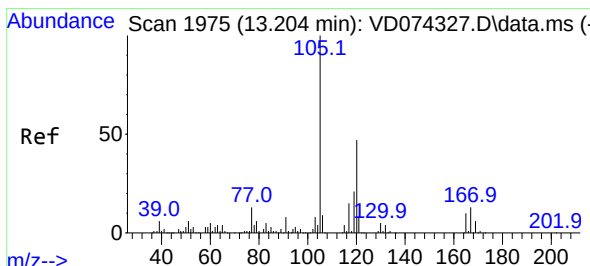
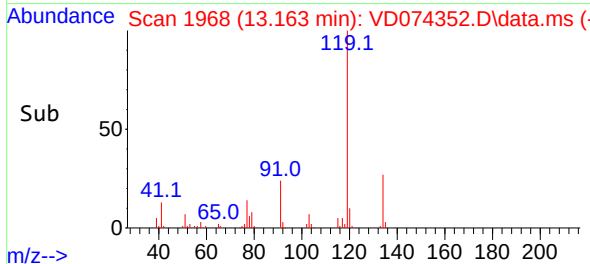
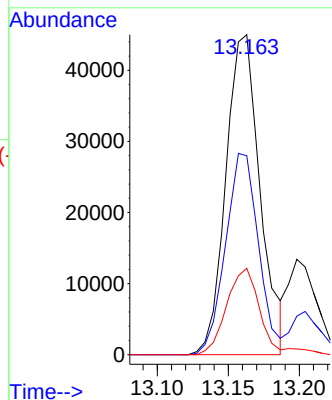
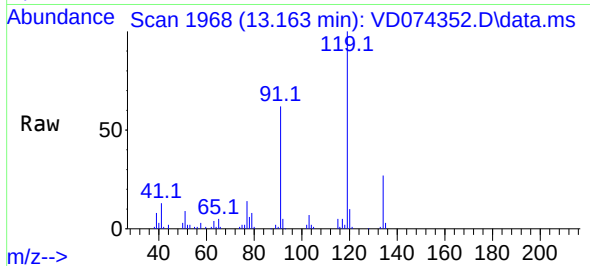




#83  
tert-Butylbenzene  
Concen: 20.445 ug/l  
RT: 13.163 min Scan# 1967  
Delta R.T. 0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

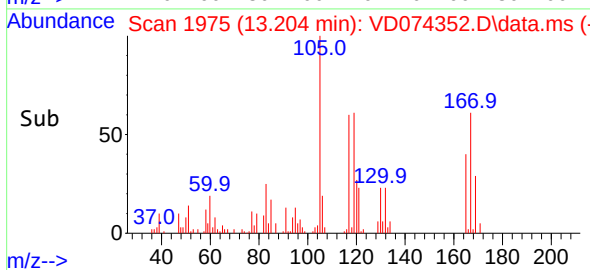
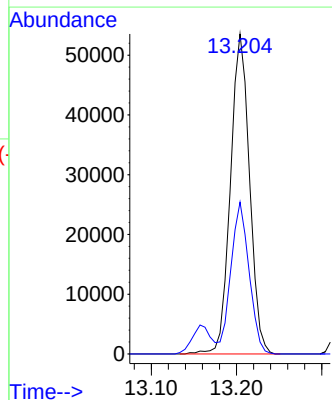
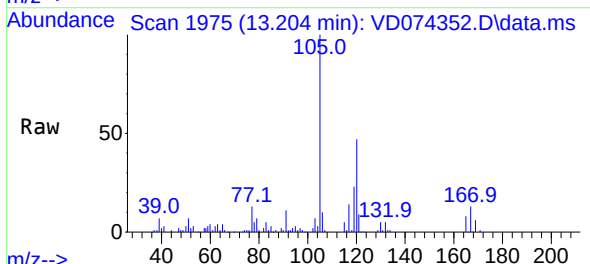
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

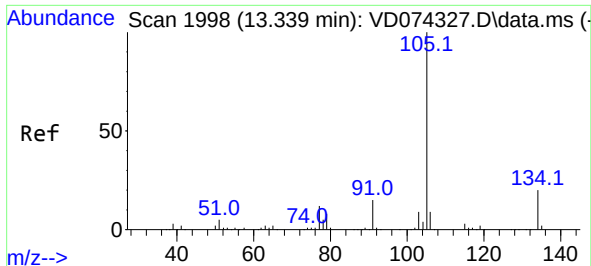
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 75574 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 60.7  | 31.3  | 93.9  |
| 134       | 26.8  | 13.4  | 40.1  |



#84  
1,2,4-Trimethylbenzene  
Concen: 20.317 ug/l  
RT: 13.204 min Scan# 1975  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 83321 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 45.5  | 23.1  | 69.3  |

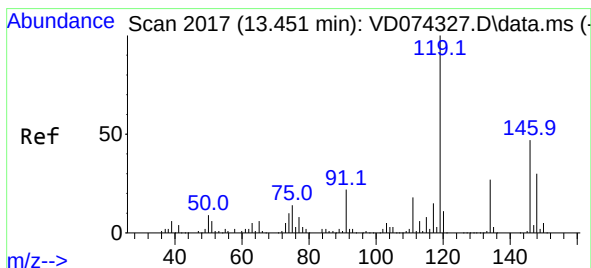
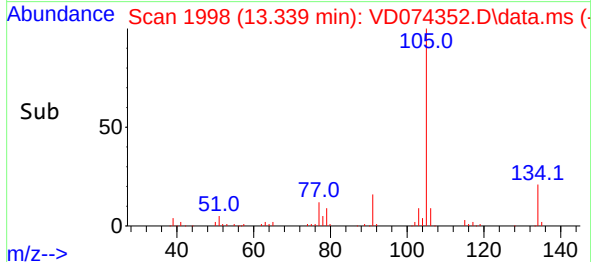
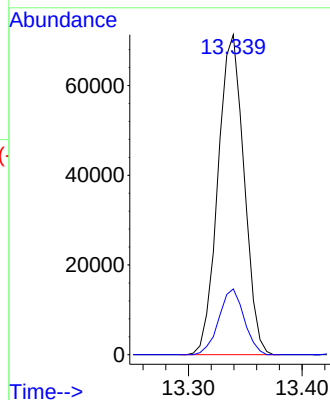
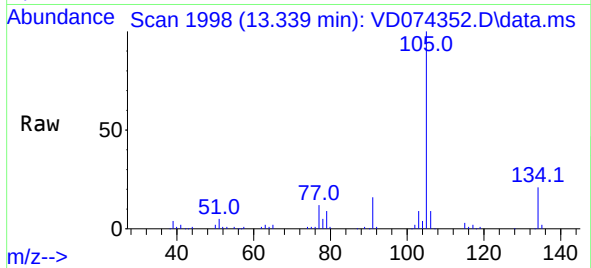




#85  
 sec-Butylbenzene  
 Concen: 20.737 ug/l  
 RT: 13.339 min Scan# 1998  
 Delta R.T. 0.000 min  
 Lab File: VD074352.D  
 Acq: 19 Sep 2022 18:00

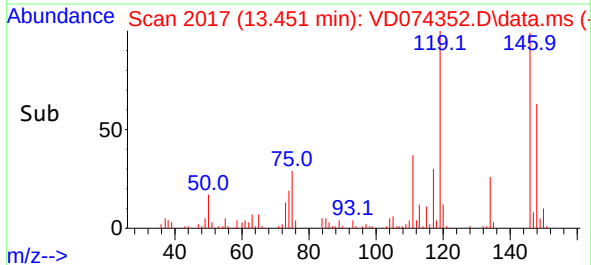
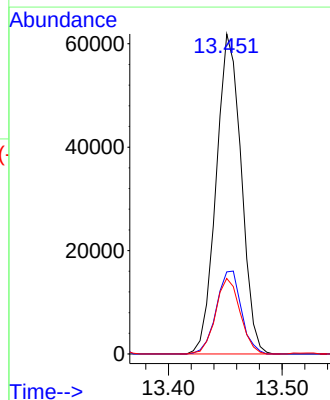
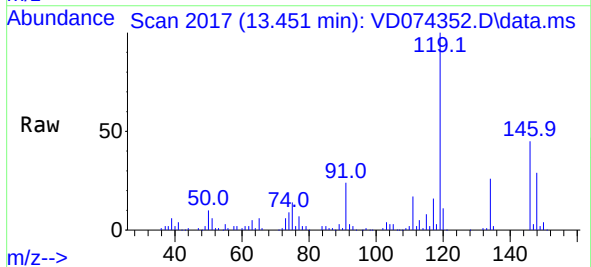
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0919SBS02

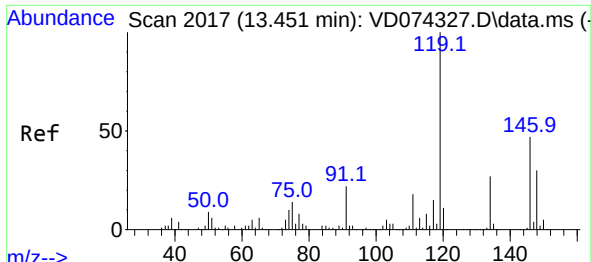
Tgt Ion:105 Resp: 113748  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 10.0 29.8



#86  
 p-Isopropyltoluene  
 Concen: 20.659 ug/l  
 RT: 13.451 min Scan# 2017  
 Delta R.T. 0.000 min  
 Lab File: VD074352.D  
 Acq: 19 Sep 2022 18:00

Tgt Ion:119 Resp: 94706  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 13.1 39.3  
 91 23.2 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.536 ug/l

RT: 13.451 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

Instrument :

MSVOA\_D

ClientSampleId :

VD0919SBS02

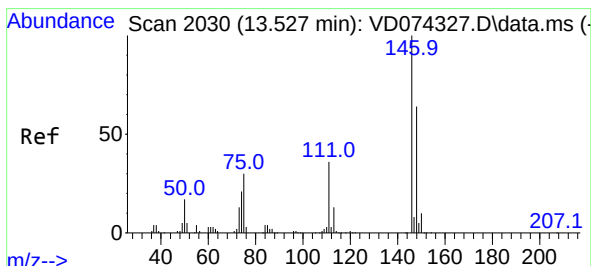
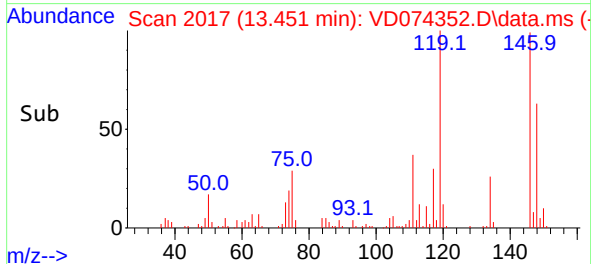
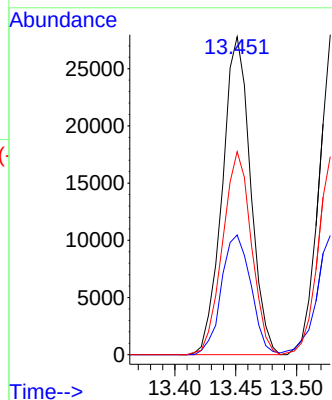
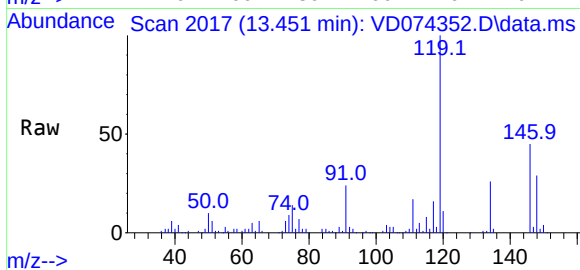
Tgt Ion:146 Resp: 44735

Ion Ratio Lower Upper

146 100

111 39.4 18.1 54.4

148 65.1 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 19.966 ug/l

RT: 13.528 min Scan# 2030

Delta R.T. 0.001 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

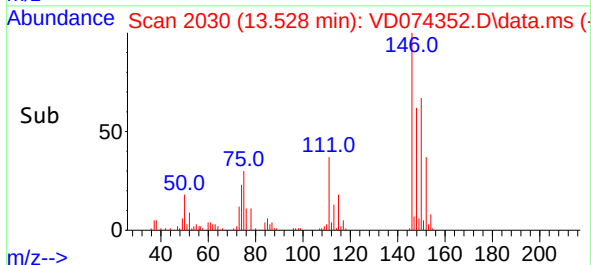
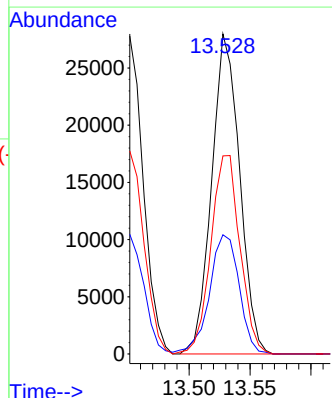
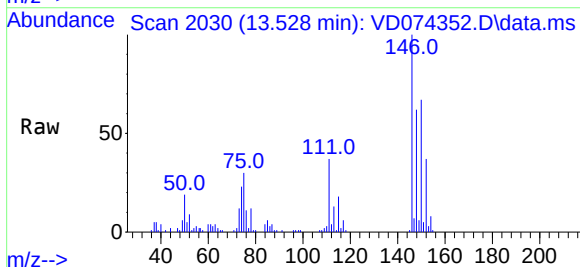
Tgt Ion:146 Resp: 44681

Ion Ratio Lower Upper

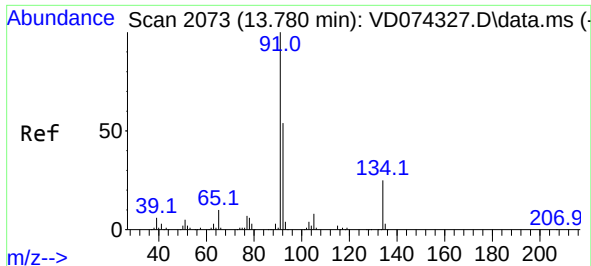
146 100

111 39.6 18.4 55.2

148 64.6 32.1 96.5







#89

n-Butylbenzene

Concen: 20.310 ug/l

RT: 13.781 min Scan# 2073

Delta R.T. 0.001 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

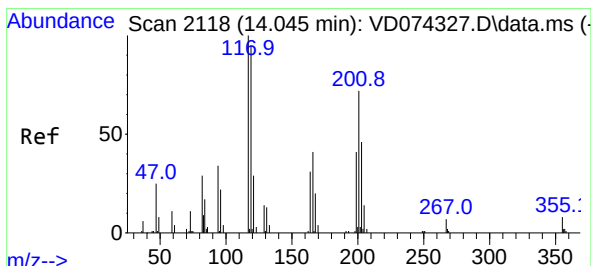
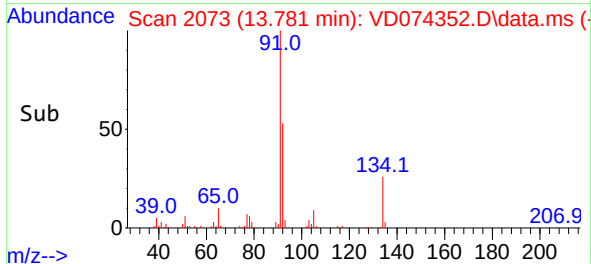
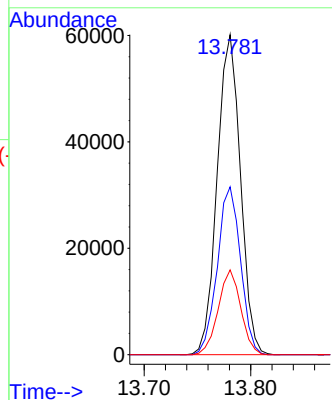
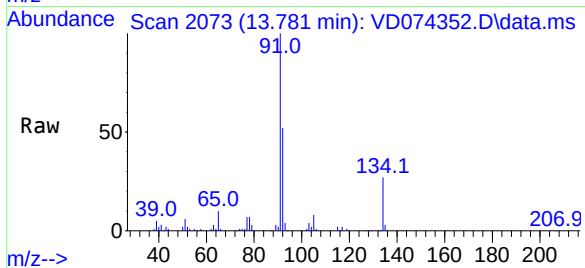
Instrument :

MSVOA\_D

ClientSampleId :

VD0919SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 91193 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 52.3  | 26.6  | 79.7  |
| 134      | 25.7  | 13.1  | 39.1  |



#90

Hexachloroethane

Concen: 14.721 ug/l

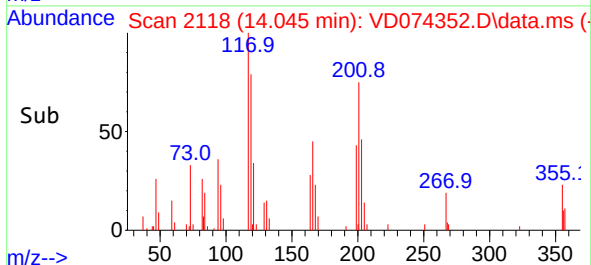
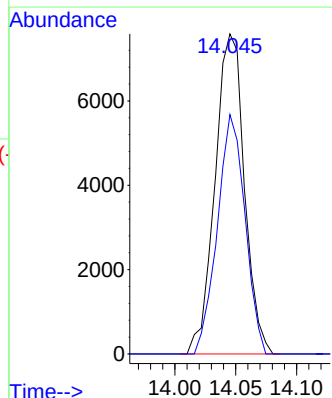
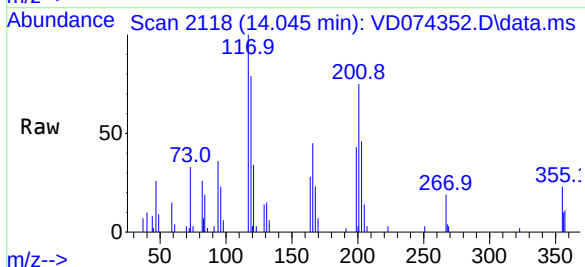
RT: 14.045 min Scan# 2118

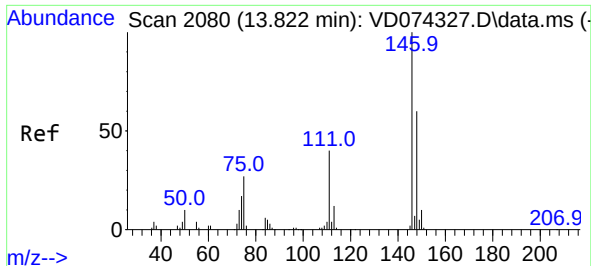
Delta R.T. 0.000 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 12737 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 70.3  | 38.0  | 113.9 |





#91

1,2-Dichlorobenzene

Concen: 19.398 ug/l

RT: 13.822 min Scan# 2080

Delta R.T. -0.000 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

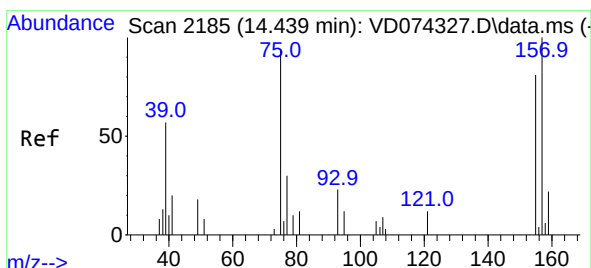
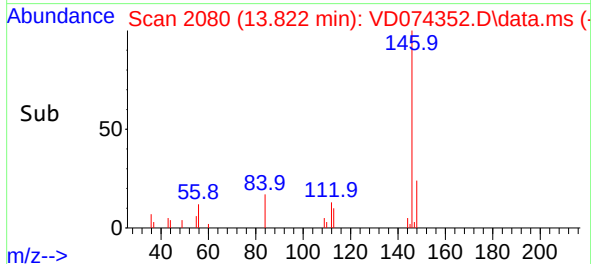
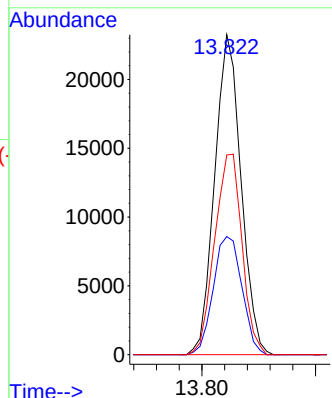
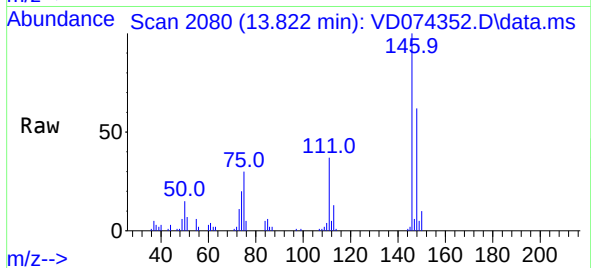
Instrument :

MSVOA\_D

ClientSampleId :

VD0919SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 37452 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 40.2  | 19.4  | 58.4  |
| 148      | 65.1  | 31.5  | 94.5  |



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.884 ug/l

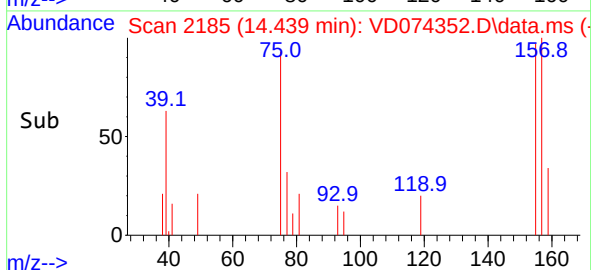
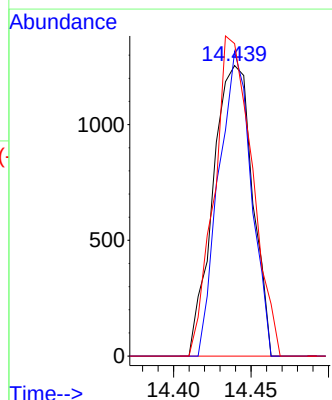
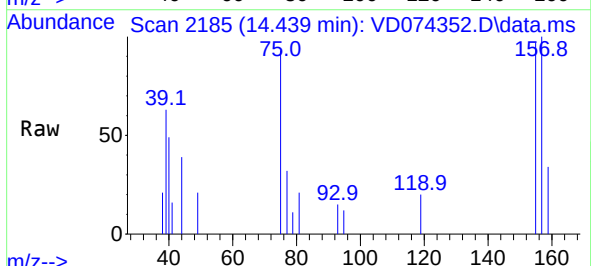
RT: 14.439 min Scan# 2185

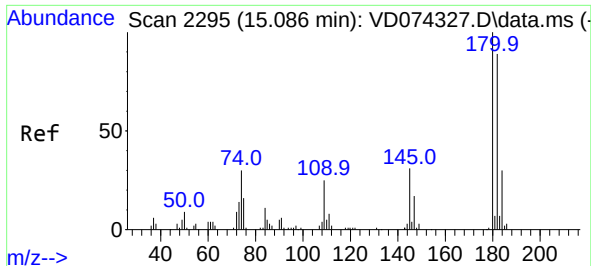
Delta R.T. 0.000 min

Lab File: VD074352.D

Acq: 19 Sep 2022 18:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2223  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 86.3  | 49.2  | 147.6 |
| 157      | 105.8 | 62.1  | 186.2 |

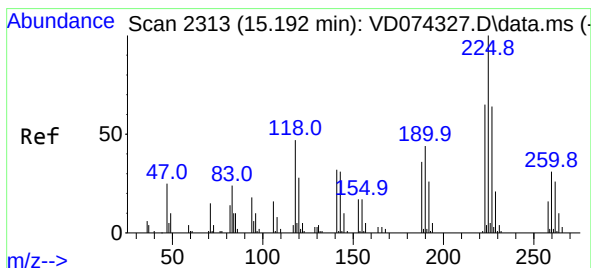
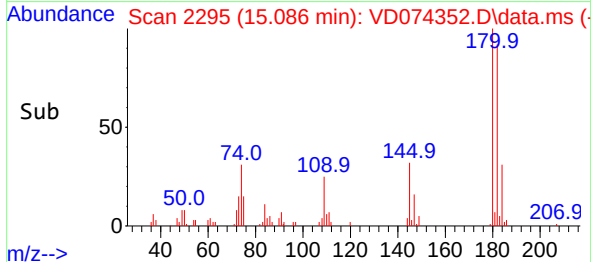
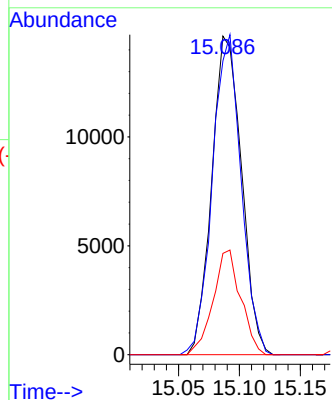
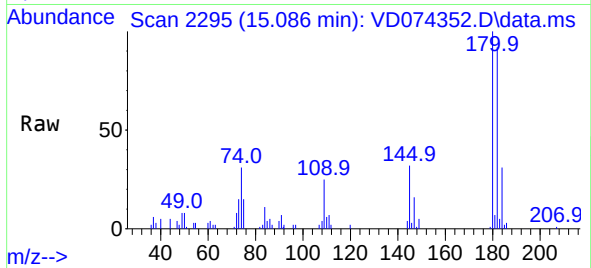




#93  
1,2,4-Trichlorobenzene  
Concen: 19.087 ug/l  
RT: 15.086 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

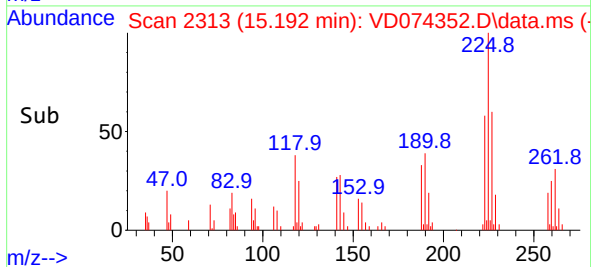
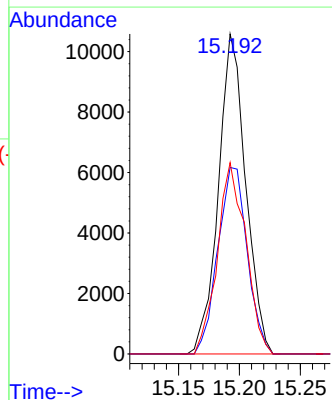
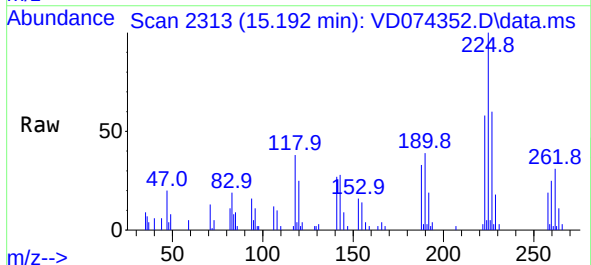
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

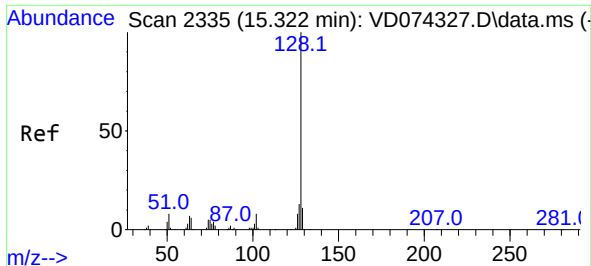
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 24859 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.9  | 47.6  | 142.9 |
| 145       | 30.5  | 14.4  | 43.4  |



#94  
Hexachlorobutadiene  
Concen: 22.329 ug/l  
RT: 15.192 min Scan# 2313  
Delta R.T. 0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 16522 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.7  | 32.4  | 97.0  |
| 227       | 61.9  | 32.7  | 98.1  |

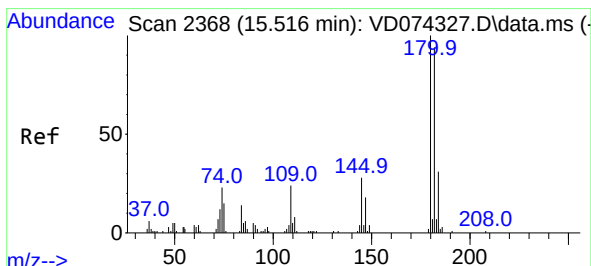
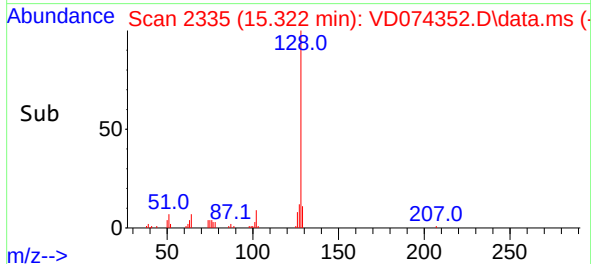
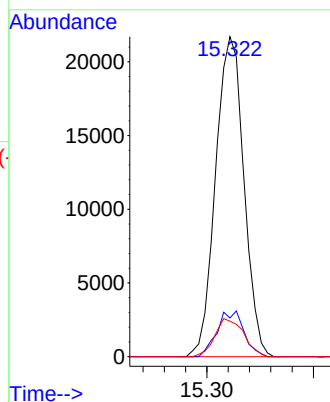
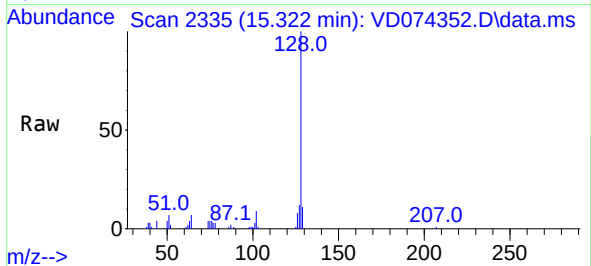




#95  
Naphthalene  
Concen: 16.567 ug/l  
RT: 15.322 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0919SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 39994 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.6  | 10.9  | 16.3  |
| 129      | 12.1  | 8.8   | 13.2  |



#96  
1,2,3-Trichlorobenzene  
Concen: 18.960 ug/l  
RT: 15.510 min Scan# 2367  
Delta R.T. -0.006 min  
Lab File: VD074352.D  
Acq: 19 Sep 2022 18:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 21223 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 97.5  | 47.5  | 142.5 |
| 145      | 30.8  | 15.8  | 47.3  |

