

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102822\  
 Data File : VD074666.D  
 Acq On : 28 Oct 2022 12:45  
 Operator : VA/SY  
 Sample : VD1028SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1028SBS01

Quant Time: Oct 29 02:14:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D102722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 28 00:18:17 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.881  | 168   | 133446   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781  | 114   | 218906   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 191860   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516 | 152   | 83158    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228  | 65    | 54326    | 48.234   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 96.460%  |
| 35) Dibromofluoromethane     | 7.811  | 113   | 65886    | 49.290   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 98.580%  |
| 50) Toluene-d8               | 10.269 | 98    | 266222   | 51.789   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 103.580% |
| 62) 4-Bromofluorobenzene     | 12.575 | 95    | 68838    | 48.760   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 97.520%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.928  | 85    | 28599    | 24.852   | ug/l   | 91       |
| 3) Chloromethane             | 2.146  | 50    | 35306    | 19.759   | ug/l   | 91       |
| 4) Vinyl Chloride            | 2.281  | 62    | 41340    | 21.684   | ug/l   | 96       |
| 5) Bromomethane              | 2.681  | 94    | 35100    | 24.161   | ug/l   | 96       |
| 6) Chloroethane              | 2.834  | 64    | 27534    | 21.213   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.175  | 101   | 48273    | 21.803   | ug/l   | 100      |
| 8) Diethyl Ether             | 3.587  | 74    | 12504    | 19.009   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 3.958  | 101   | 29344    | 21.388   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.164  | 142   | 33763    | 21.728   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.034  | 59    | 15624    | 132.558  | ug/l # | 88       |
| 12) 1,1-Dichloroethene       | 3.934  | 96    | 29891    | 20.566   | ug/l   | 92       |
| 13) Acrolein                 | 3.799  | 56    | 10587    | 107.086  | ug/l   | 97       |
| 14) Allyl chloride           | 4.564  | 41    | 31546    | 20.895   | ug/l   | 97       |
| 15) Acrylonitrile            | 5.246  | 53    | 24367    | 96.893   | ug/l   | 99       |
| 16) Acetone                  | 4.022  | 43    | 19488    | 91.886   | ug/l   | 91       |
| 17) Carbon Disulfide         | 4.270  | 76    | 92083    | 20.870   | ug/l   | 96       |
| 18) Methyl Acetate           | 4.564  | 43    | 13766    | 22.691   | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.317  | 73    | 54092    | 19.397   | ug/l   | 98       |
| 20) Methylene Chloride       | 4.799  | 84    | 44865    | 16.566   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.317  | 96    | 33432    | 20.701   | ug/l   | 88       |
| 22) Diisopropyl ether        | 6.216  | 45    | 63635    | 20.024   | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.158  | 43    | 136865   | 110.799  | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 6.111  | 63    | 48552    | 20.293   | ug/l   | 98       |
| 25) 2-Butanone               | 7.087  | 43    | 28055    | 98.959   | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 7.075  | 77    | 44379    | 21.222   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.075  | 96    | 35055    | 19.959   | ug/l   | 98       |
| 28) Bromochloromethane       | 7.428  | 49    | 15737    | 19.169   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.440  | 42    | 17076    | 100.887  | ug/l   | 93       |
| 30) Chloroform               | 7.593  | 83    | 51631    | 20.059   | ug/l   | 98       |
| 31) Cyclohexane              | 7.881  | 56    | 42726    | 20.697   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.793  | 97    | 46834    | 20.723   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.011  | 75    | 40138    | 21.075   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.175  | 43    | 12785    | 21.005   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.993  | 117   | 37139    | 20.985   | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.275  | 83    | 50576    | 21.711   | ug/l   | 98       |
| 40) Benzene                  | 8.252  | 78    | 119711   | 20.608   | ug/l   | 99       |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Quant Time: Oct 29 02:14:10 2022  
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 Quant Title : SW846 8260  
 QLast Update : Fri Oct 28 00:18:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 7397     | 23.562  | ug/l # | 90       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 27680    | 20.237  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 22557    | 19.249  | ug/l   | 98       |
| 44) Trichloroethene           | 9.028  | 130  | 33866    | 19.878  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 26177    | 20.208  | ug/l   | 90       |
| 46) Dibromomethane            | 9.393  | 93   | 15011    | 19.847  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.587  | 83   | 37243    | 20.439  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 11633    | 22.387  | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 3011     | 373.587 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 57018    | 100.704 | ug/l   | 98       |
| 52) Toluene                   | 10.334 | 92   | 77718    | 21.369  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 33138    | 21.216  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 40724    | 20.458  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 21656    | 20.995  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 23259    | 20.494  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 34353    | 21.151  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 25498    | 108.873 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.922 | 43   | 40041    | 104.435 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.075 | 129  | 25218    | 20.546  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 20185    | 20.950  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.810 | 164  | 30099    | 22.171  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.604 | 112  | 74748    | 19.223  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 24608    | 18.760  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.681 | 91   | 130494   | 19.424  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 105337   | 39.718  | ug/l   | 98       |
| 69) o-Xylene                  | 12.116 | 106  | 47539    | 19.462  | ug/l   | 98       |
| 70) Styrene                   | 12.134 | 104  | 81146    | 19.731  | ug/l   | 99       |
| 71) Bromoform                 | 12.293 | 173  | 12947    | 19.549  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.422 | 105  | 128846   | 21.728  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.234 | 43   | 19483    | 20.857  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 21120    | 21.414  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 25320    | 38.931  | ug/l # | 1        |
| 77) Bromobenzene              | 12.698 | 156  | 29294    | 20.675  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.763 | 91   | 155157   | 21.806  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 82562    | 21.254  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 105262   | 21.370  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 5525     | 22.483  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.946 | 91   | 87418    | 21.797  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 87320    | 19.977  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 103377   | 21.270  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.340 | 105  | 139327   | 21.718  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 116521   | 21.246  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 59788    | 20.394  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 59244    | 20.504  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.787 | 91   | 106797   | 21.500  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 20786    | 22.219  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 51036    | 20.528  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 2942     | 22.423  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.092 | 180  | 31906    | 19.996  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 16459    | 20.215  | ug/l   | 99       |
| 95) Naphthalene               | 15.328 | 128  | 58118    | 19.834  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 27071    | 19.708  | ug/l   | 98       |

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Sample : VD1028SBSD01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

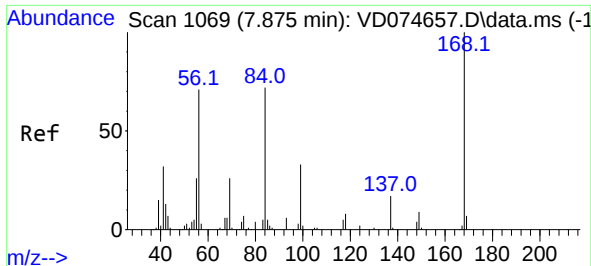
Quant Time: Oct 29 02:14:10 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D102722S.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 28 00:18:17 2022  
Response via : Initial Calibration

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

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

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Quant Title : SW846 8260  
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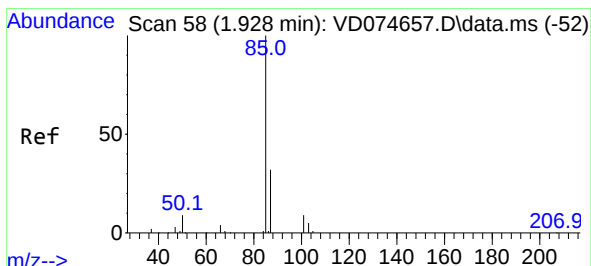
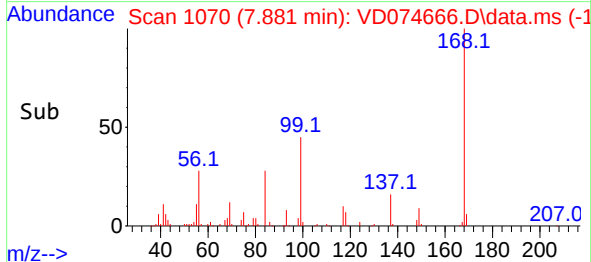
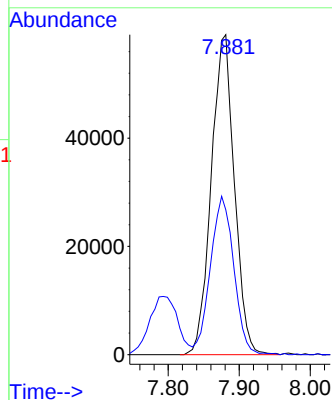
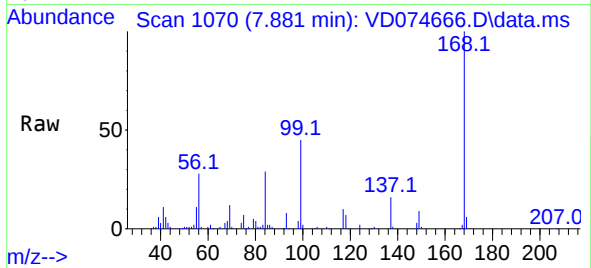




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

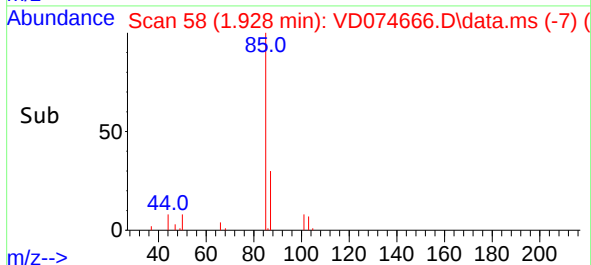
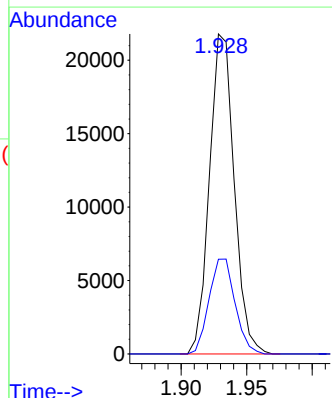
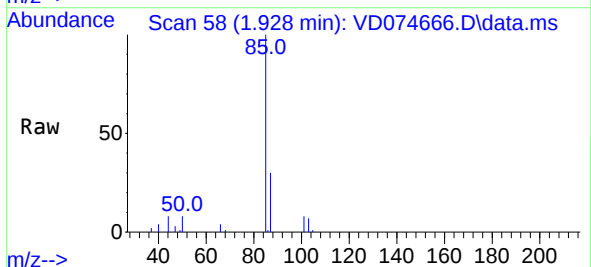
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

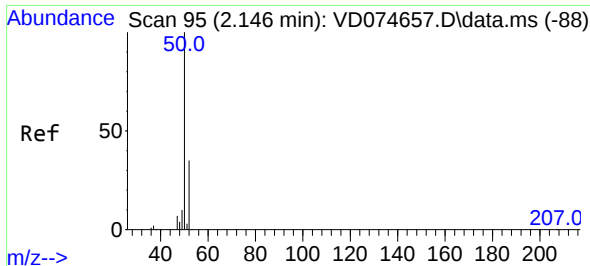
Tgt Ion:168 Resp: 133446  
Ion Ratio Lower Upper  
168 100  
99 45.3 40.9 61.3



#2  
Dichlorodifluoromethane  
Concen: 24.852 ug/l  
RT: 1.928 min Scan# 58  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 85 Resp: 28599  
Ion Ratio Lower Upper  
85 100  
87 29.6 17.5 52.6

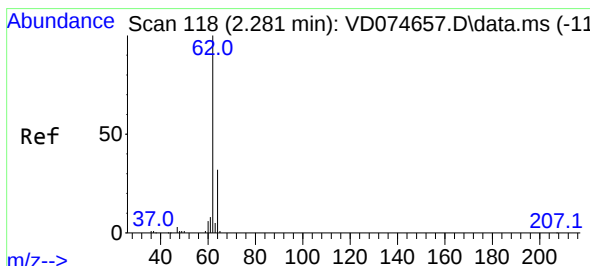
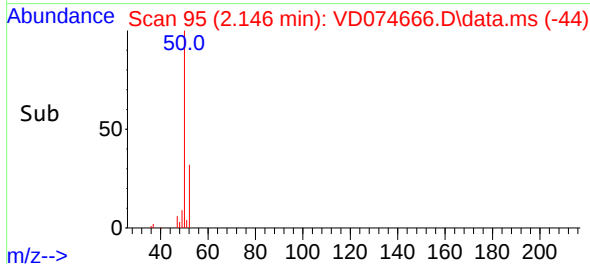
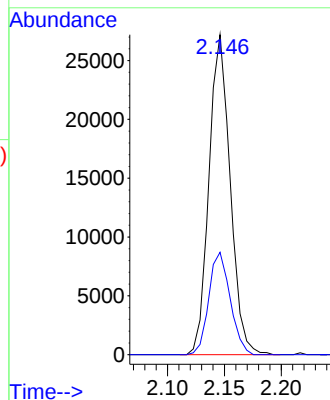
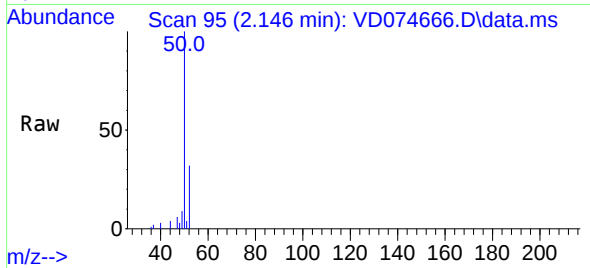




#3  
Chloromethane  
Concen: 19.759 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

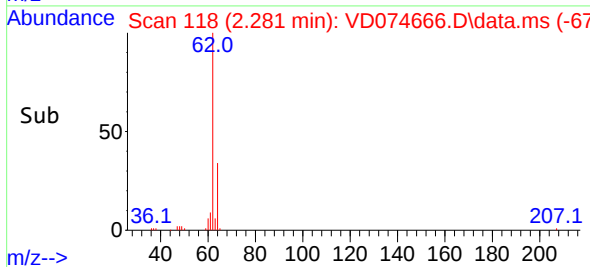
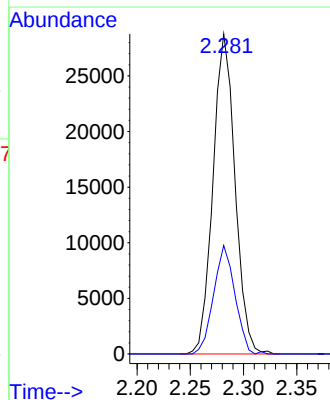
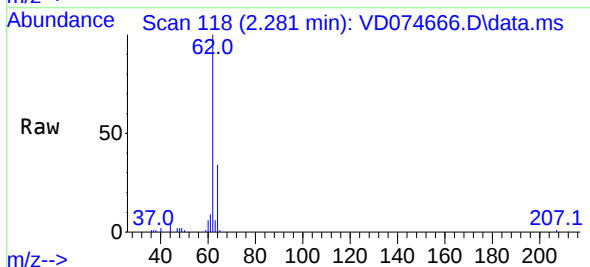
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ClientSampleId :  
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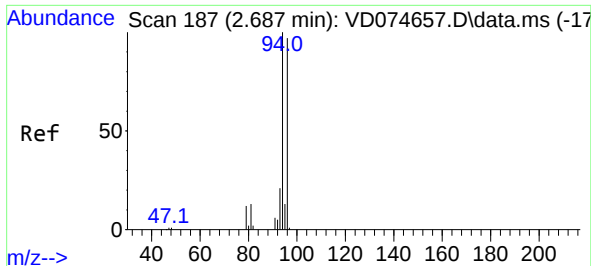
Tgt Ion: 50 Resp: 35306  
Ion Ratio Lower Upper  
50 100  
52 32.0 30.0 45.0



#4  
Vinyl Chloride  
Concen: 21.684 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 62 Resp: 41340  
Ion Ratio Lower Upper  
62 100  
64 33.9 25.5 38.3

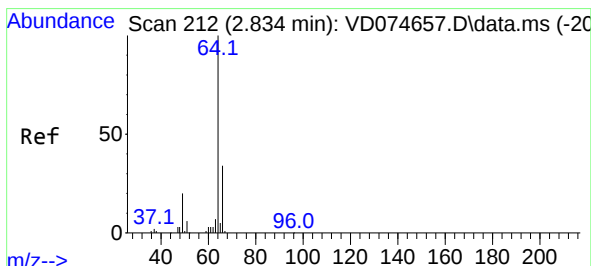
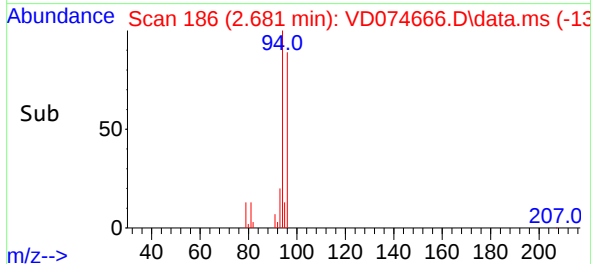
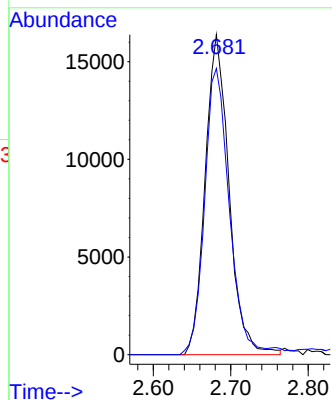
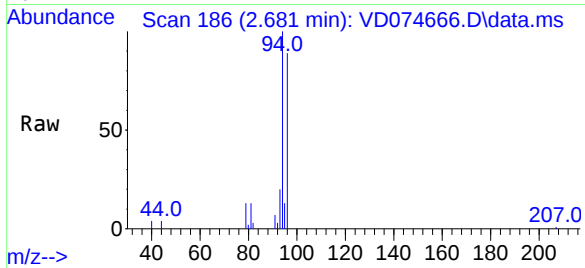




#5  
Bromomethane  
Concen: 24.161 ug/l  
RT: 2.681 min Scan# 186  
Delta R.T. -0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

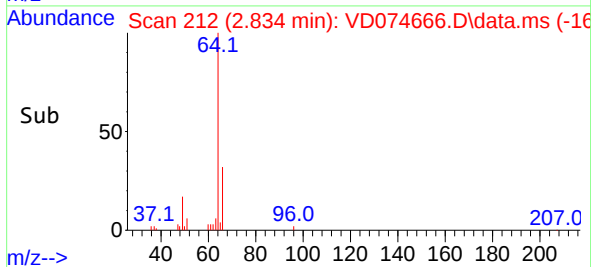
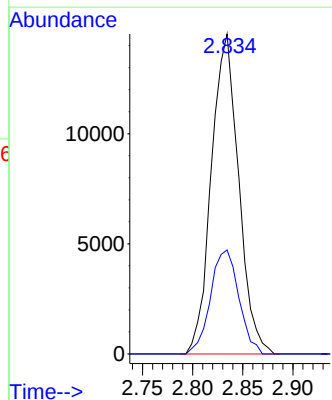
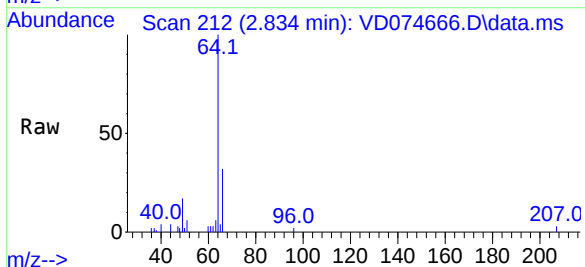
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

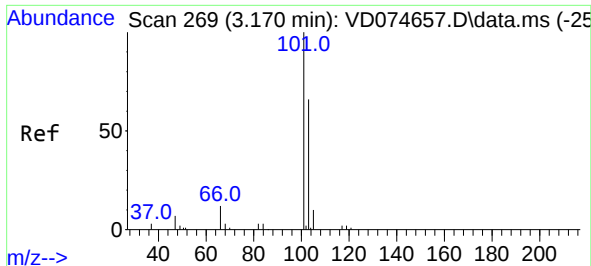
Tgt Ion: 94 Resp: 35100  
Ion Ratio Lower Upper  
94 100  
96 89.4 74.6 112.0



#6  
Chloroethane  
Concen: 21.213 ug/l  
RT: 2.834 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 64 Resp: 27534  
Ion Ratio Lower Upper  
64 100  
66 32.5 25.8 38.8

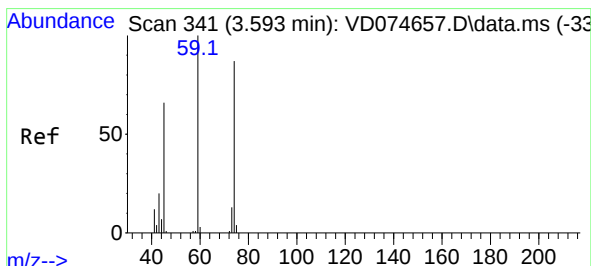
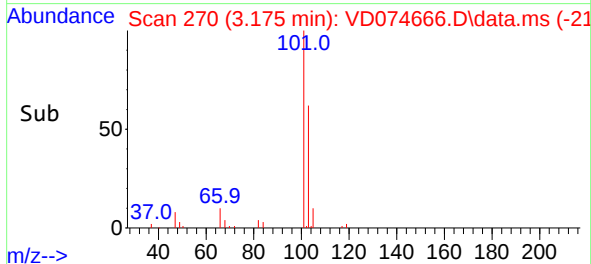
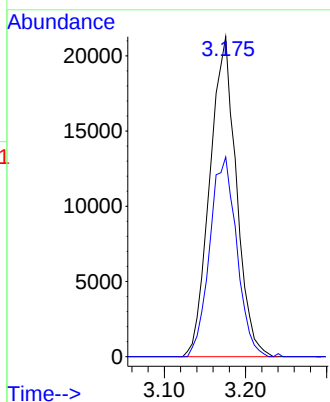
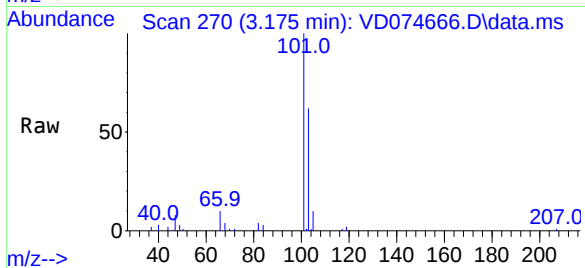




#7  
Trichlorofluoromethane  
Concen: 21.803 ug/l  
RT: 3.175 min Scan# 21  
Delta R.T. 0.005 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

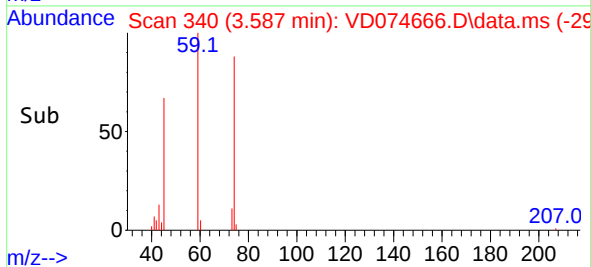
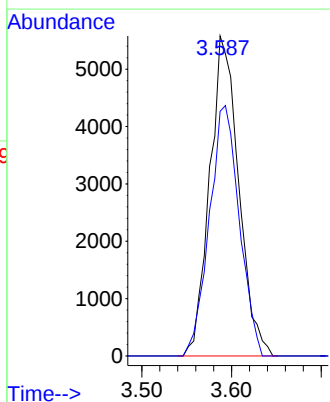
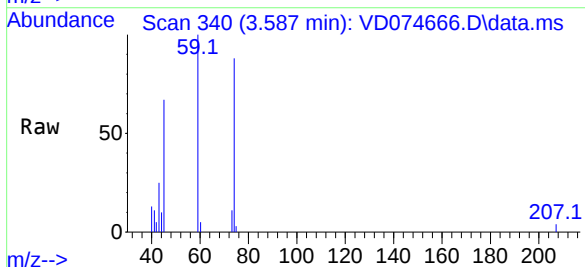
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

Tgt Ion:101 Resp: 48273  
Ion Ratio Lower Upper  
101 100  
103 62.4 49.8 74.8

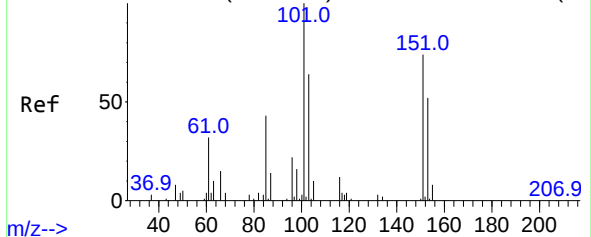


#8  
Diethyl Ether  
Concen: 19.009 ug/l  
RT: 3.587 min Scan# 340  
Delta R.T. -0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 74 Resp: 12504  
Ion Ratio Lower Upper  
74 100  
45 80.7 37.9 113.6



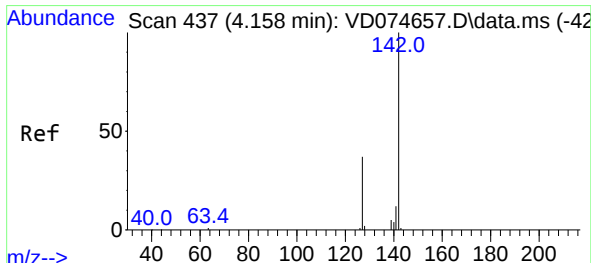
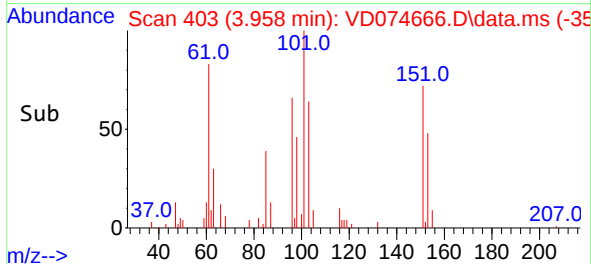
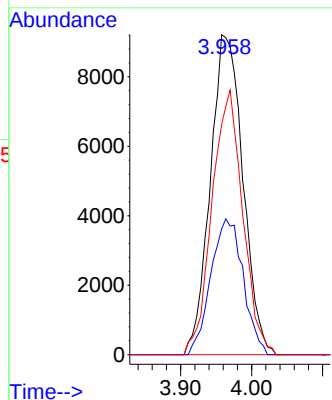
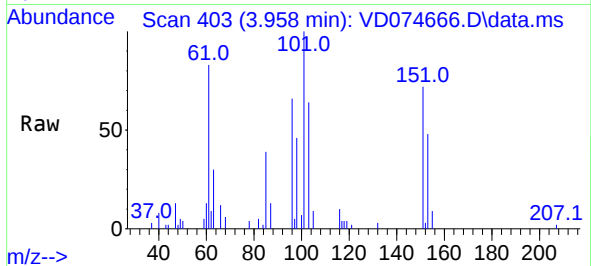
Abundance Scan 405 (3.969 min): VD074657.D\data.ms (-39



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.388 ug/l  
RT: 3.958 min Scan# 405  
Delta R.T. -0.011 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

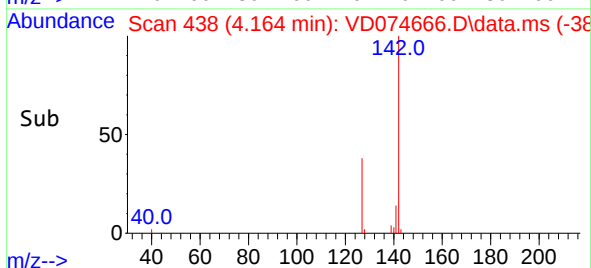
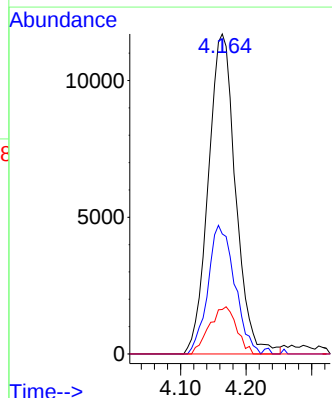
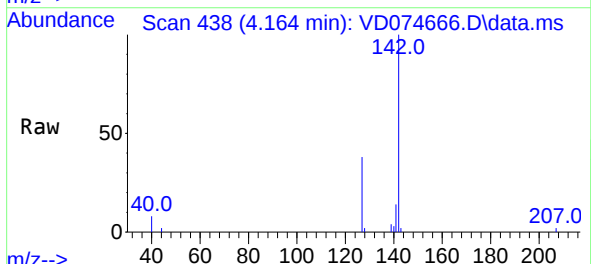
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

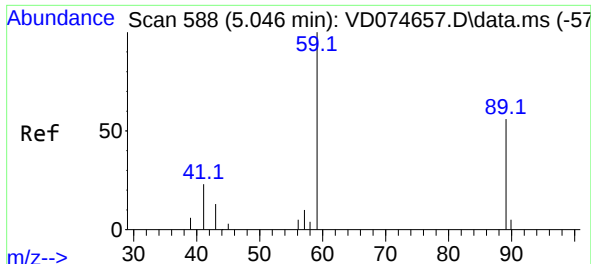
Tgt Ion:101 Resp: 29344  
Ion Ratio Lower Upper  
101 100  
85 42.1 34.1 51.1  
151 77.9 61.7 92.5



#10  
Methyl Iodide  
Concen: 21.728 ug/l  
RT: 4.164 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion:142 Resp: 33763  
Ion Ratio Lower Upper  
142 100  
127 39.5 31.9 47.9  
141 14.7 11.4 17.2





#11

Tert butyl alcohol

Concen: 132.558 ug/l

RT: 5.034 min Scan# 51

Delta R.T. -0.012 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

Instrument :

MSVOA\_D

ClientSampleId :

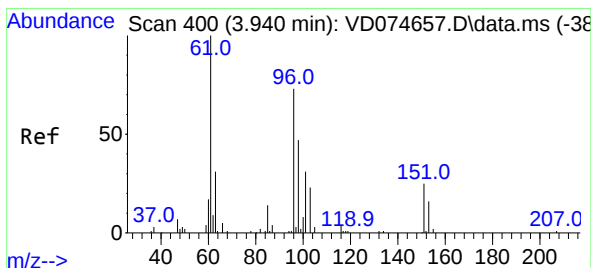
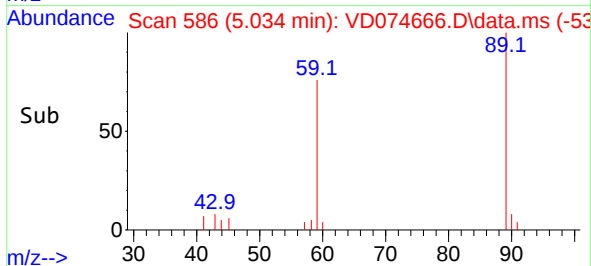
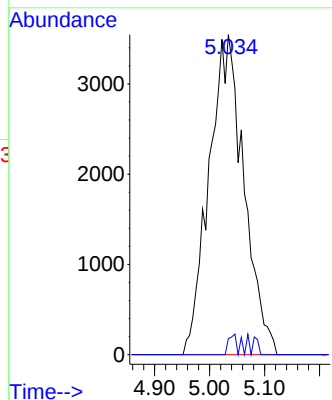
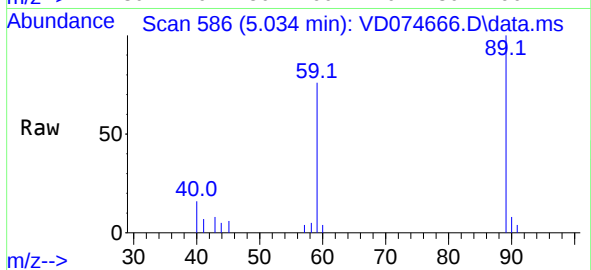
VD1028SBSD01

Tgt Ion: 59 Resp: 15624

Ion Ratio Lower Upper

59 100

57 1.4 4.4 6.6#



#12

1,1-Dichloroethene

Concen: 20.566 ug/l

RT: 3.934 min Scan# 399

Delta R.T. -0.006 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

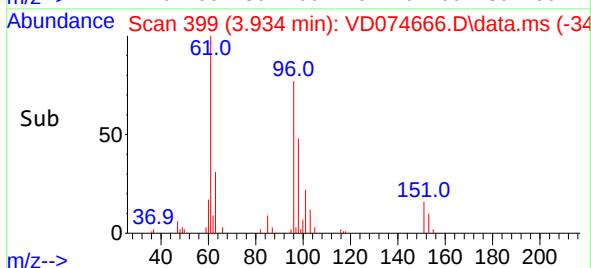
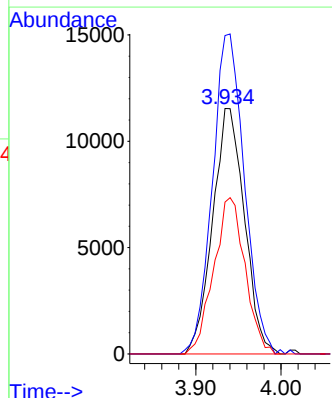
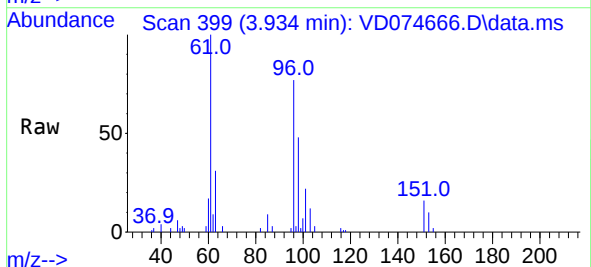
Tgt Ion: 96 Resp: 29891

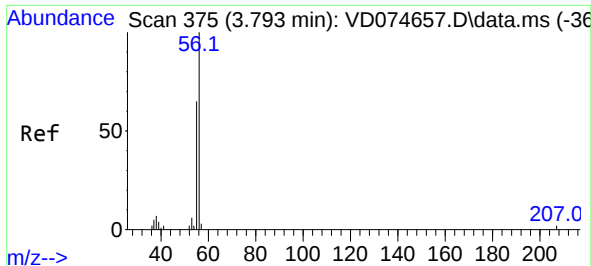
Ion Ratio Lower Upper

96 100

61 129.7 113.9 170.9

98 61.9 51.8 77.8

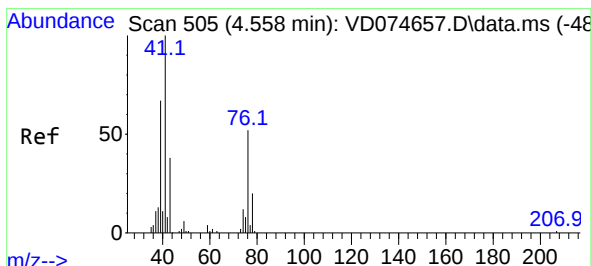
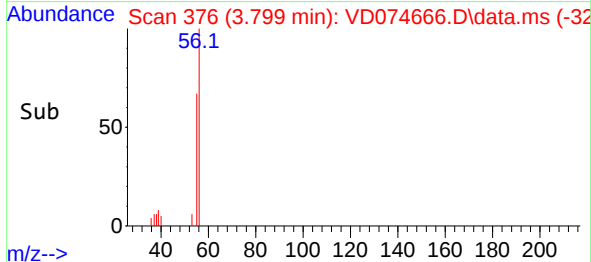
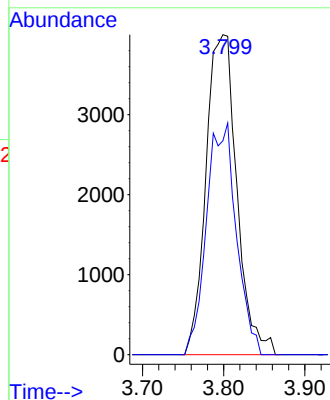
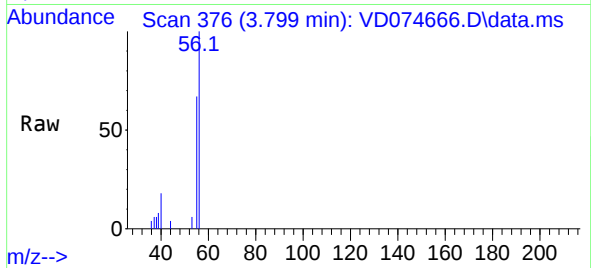




#13  
Acrolein  
Concen: 107.086 ug/l  
RT: 3.799 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

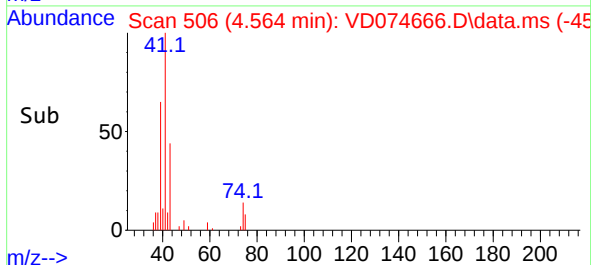
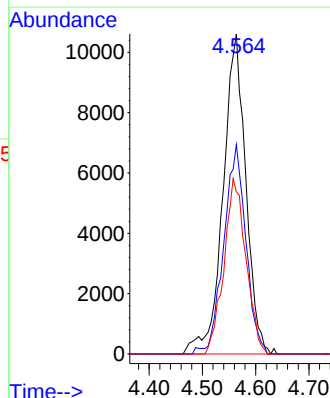
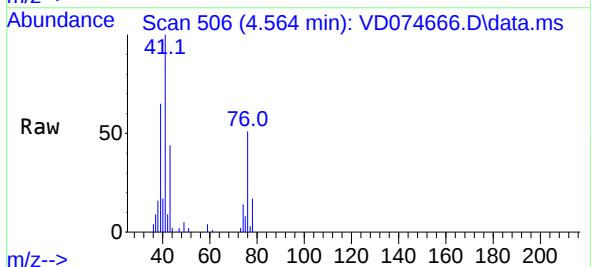
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBS01

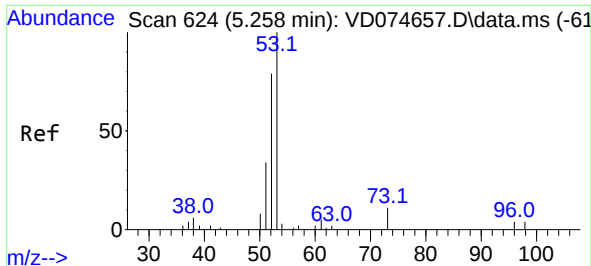
Tgt Ion: 56 Resp: 10587  
Ion Ratio Lower Upper  
56 100  
55 69.8 54.0 81.0



#14  
Allyl chloride  
Concen: 20.895 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. 0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 41 Resp: 31546  
Ion Ratio Lower Upper  
41 100  
39 63.3 53.4 80.2  
76 52.8 42.4 63.6





#15

Acrylonitrile

Concen: 96.893 ug/l

RT: 5.246 min Scan# 61

Delta R.T. -0.012 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

Instrument :

MSVOA\_D

ClientSampleId :

VD1028SBS01

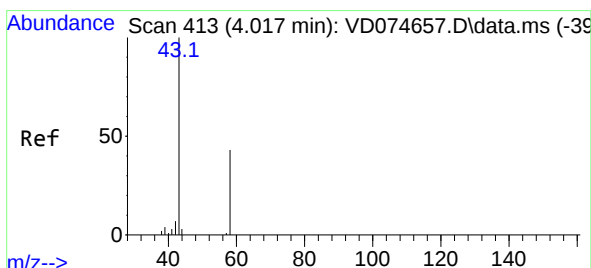
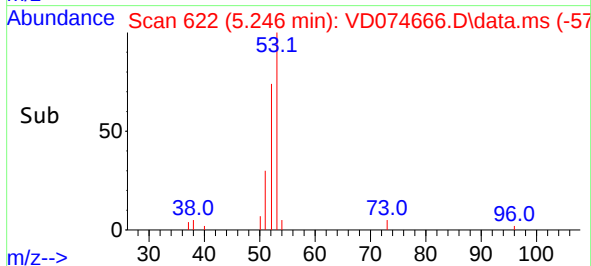
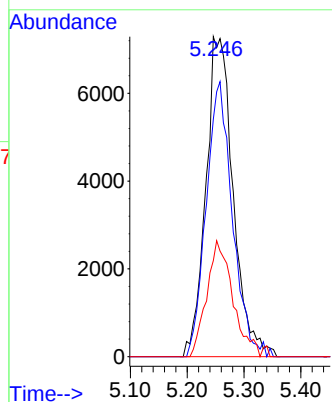
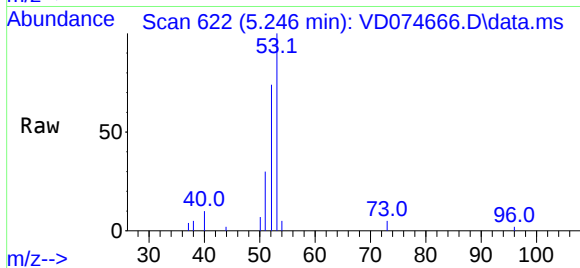
Tgt Ion: 53 Resp: 24367

Ion Ratio Lower Upper

53 100

52 82.6 66.0 99.0

51 34.5 28.3 42.5



#16

Acetone

Concen: 91.886 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.005 min

Lab File: VD074666.D

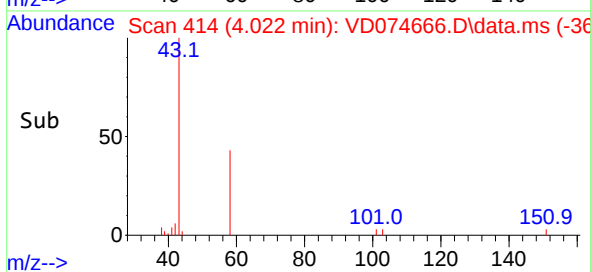
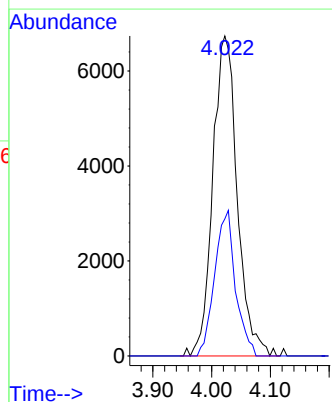
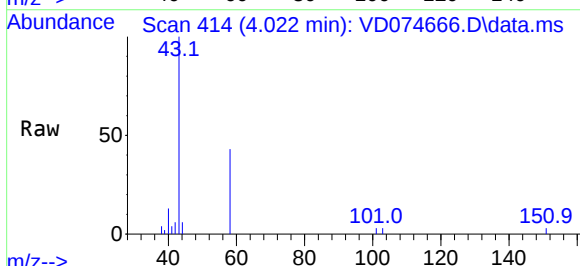
Acq: 28 Oct 2022 12:45

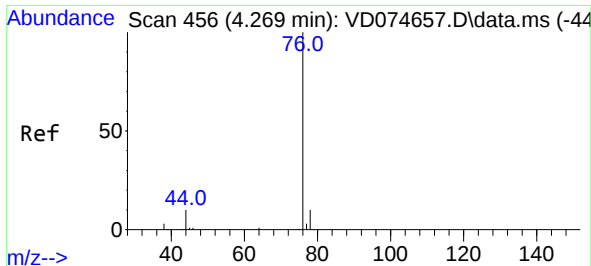
Tgt Ion: 43 Resp: 19488

Ion Ratio Lower Upper

43 100

58 42.8 30.2 45.2

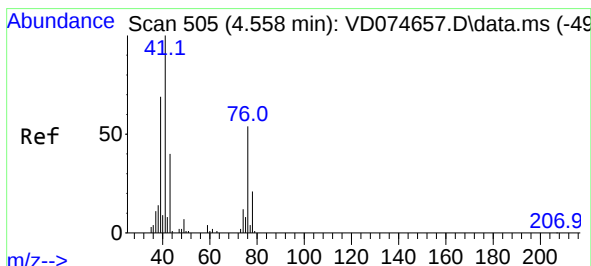
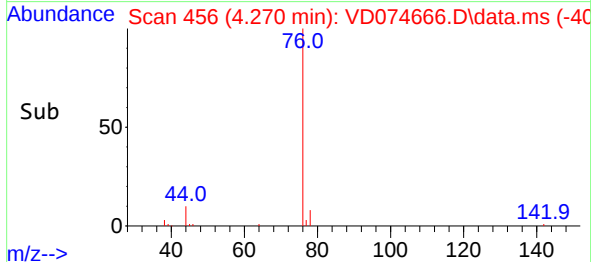
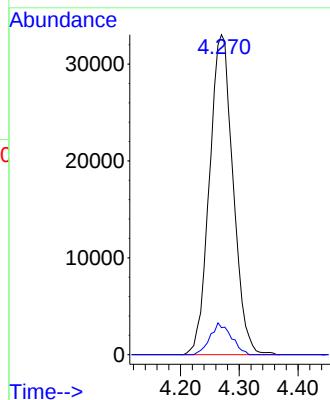
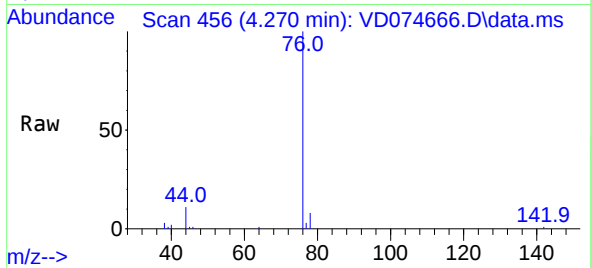




#17  
Carbon Disulfide  
Concen: 20.870 ug/l  
RT: 4.270 min Scan# 41  
Delta R.T. 0.001 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

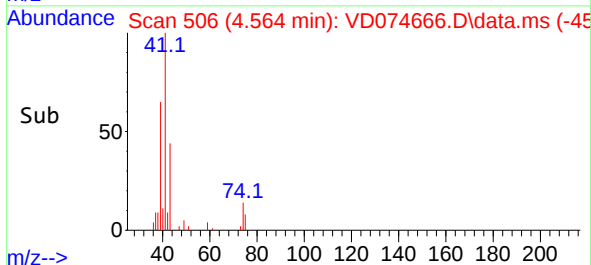
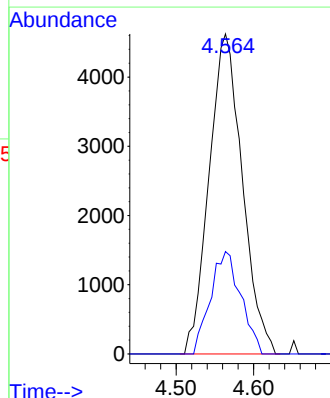
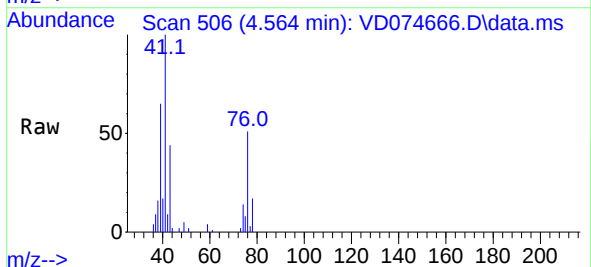
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

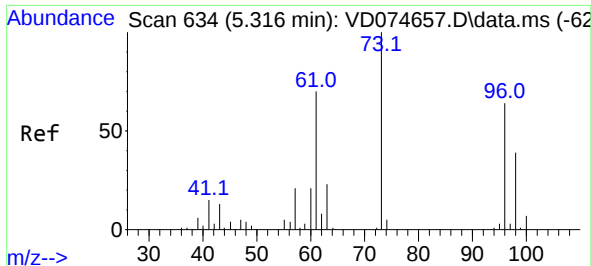
Tgt Ion: 76 Resp: 92083  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.8 11.8



#18  
Methyl Acetate  
Concen: 22.691 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. 0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 43 Resp: 13766  
Ion Ratio Lower Upper  
43 100  
74 29.2 24.7 37.1

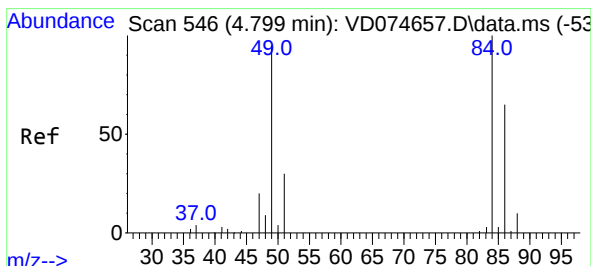
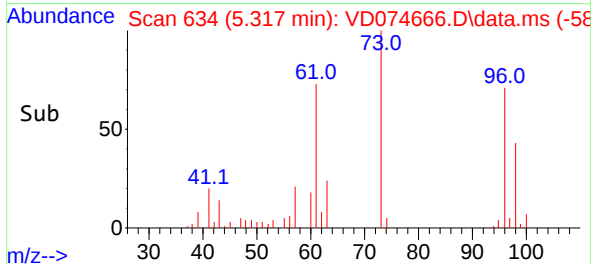
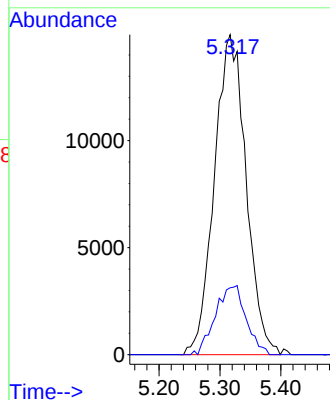
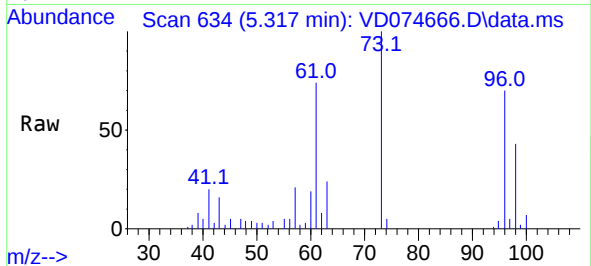




#19  
Methyl tert-butyl Ether  
Concen: 19.397 ug/l  
RT: 5.317 min Scan# 61  
Delta R.T. 0.001 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

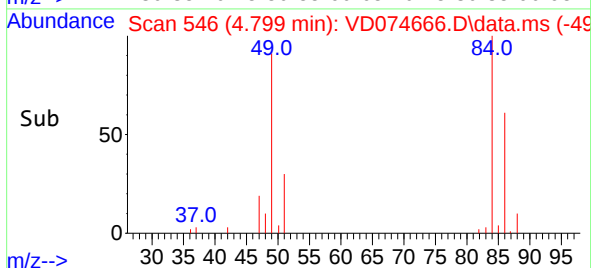
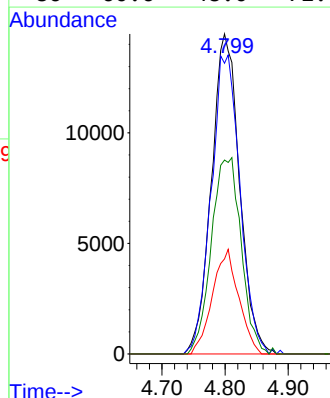
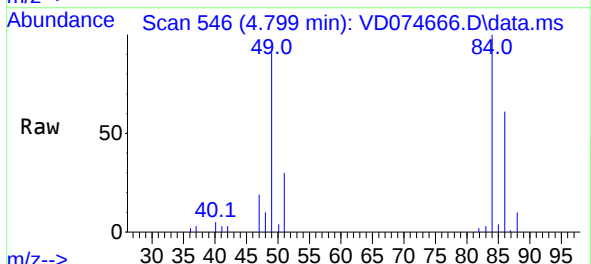
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

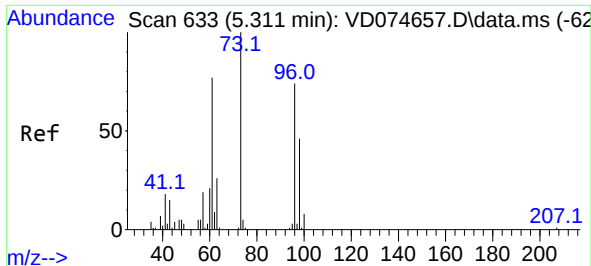
Tgt Ion: 73 Resp: 54092  
Ion Ratio Lower Upper  
73 100  
57 20.9 16.1 24.1



#20  
Methylene Chloride  
Concen: 16.566 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 84 Resp: 44865  
Ion Ratio Lower Upper  
84 100  
49 90.9 68.0 102.0  
51 29.7 23.2 34.8  
86 60.6 48.0 72.0

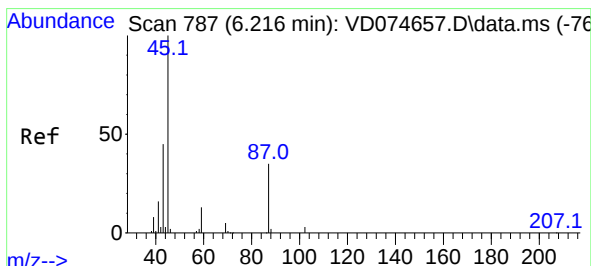
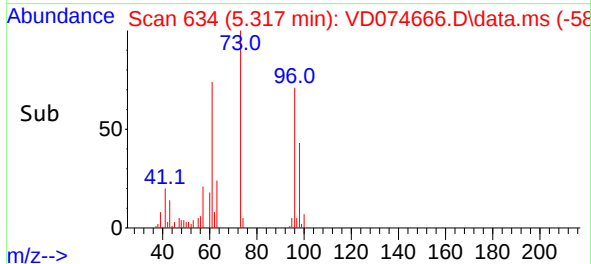
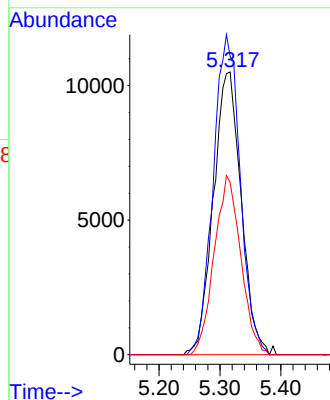
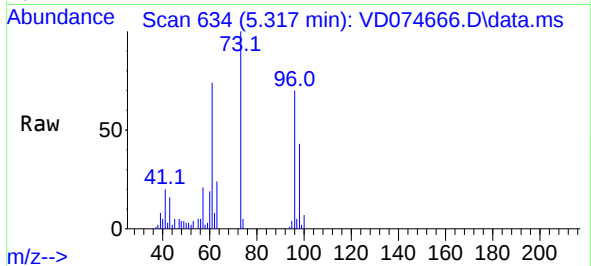




#21  
trans-1,2-Dichloroethene  
Concen: 20.701 ug/l  
RT: 5.317 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

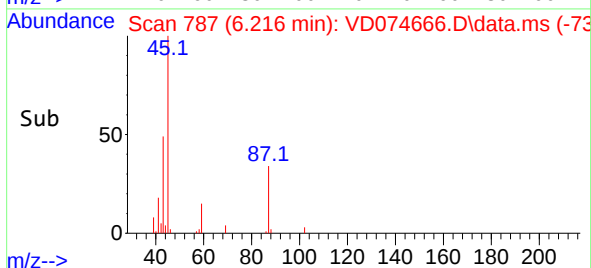
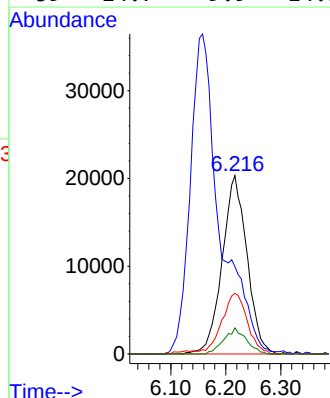
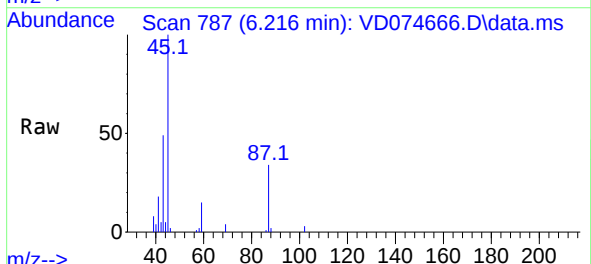
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

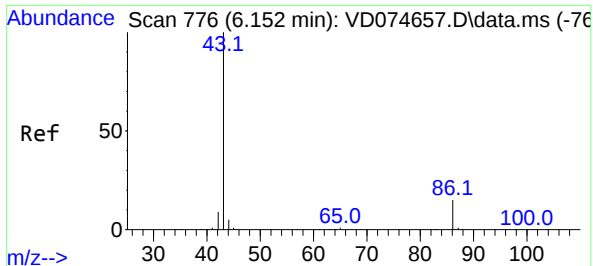
Tgt Ion: 96 Resp: 33432  
Ion Ratio Lower Upper  
96 100  
61 105.5 95.7 143.5  
98 60.9 54.8 82.2



#22  
Diisopropyl ether  
Concen: 20.024 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 45 Resp: 63635  
Ion Ratio Lower Upper  
45 100  
43 47.6 37.8 56.6  
87 34.0 26.6 40.0  
59 14.7 9.9 14.9

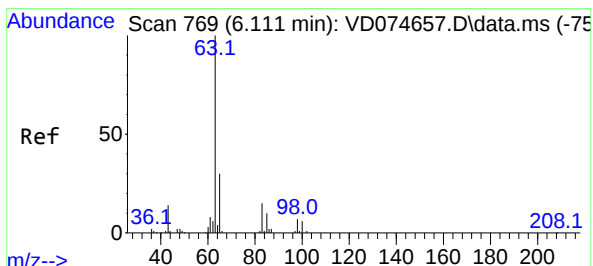
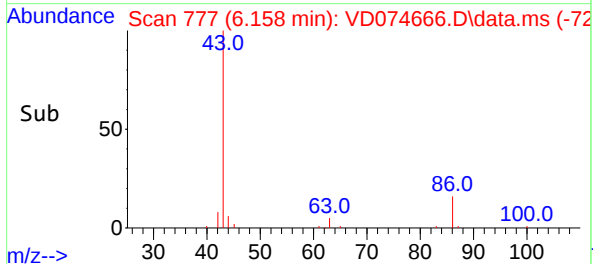
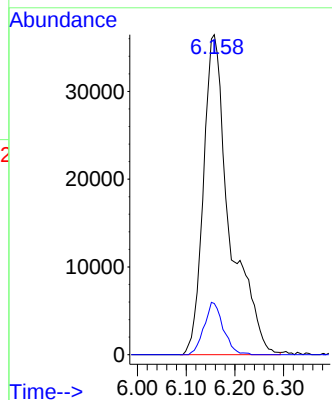
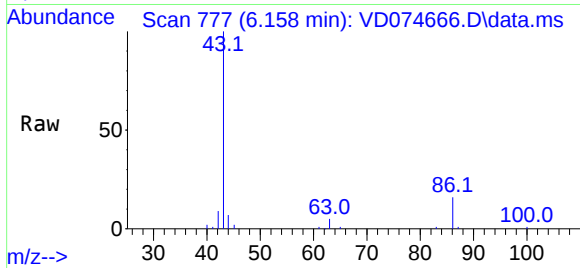




#23  
 Vinyl Acetate  
 Concen: 110.799 ug/l  
 RT: 6.158 min Scan# 777  
 Delta R.T. 0.006 min  
 Lab File: VD074666.D  
 Acq: 28 Oct 2022 12:45

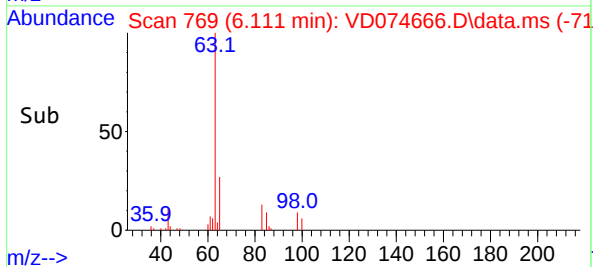
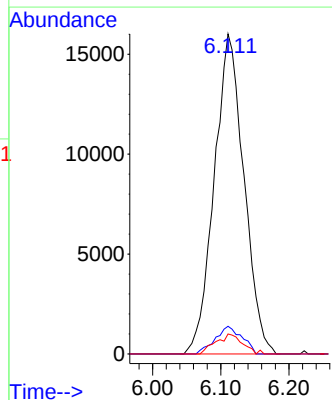
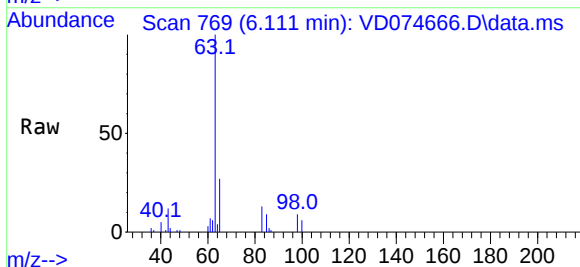
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1028SBSD01

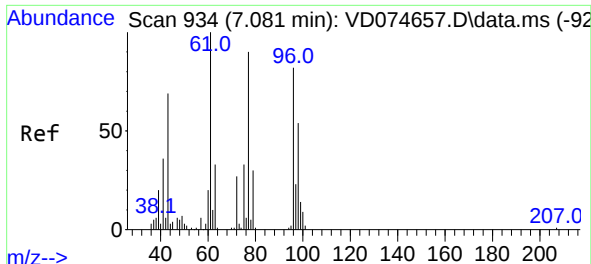
Tgt Ion: 43 Resp: 136865  
 Ion Ratio Lower Upper  
 43 100  
 86 16.0 11.2 16.8



#24  
 1,1-Dichloroethane  
 Concen: 20.293 ug/l  
 RT: 6.111 min Scan# 769  
 Delta R.T. -0.000 min  
 Lab File: VD074666.D  
 Acq: 28 Oct 2022 12:45

Tgt Ion: 63 Resp: 48552  
 Ion Ratio Lower Upper  
 63 100  
 98 8.7 4.6 13.8  
 100 6.2 2.9 8.6

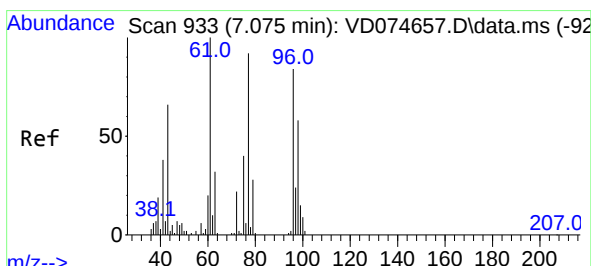
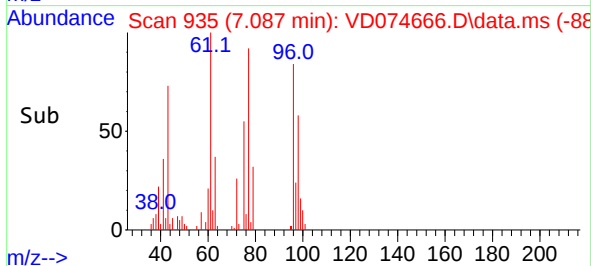
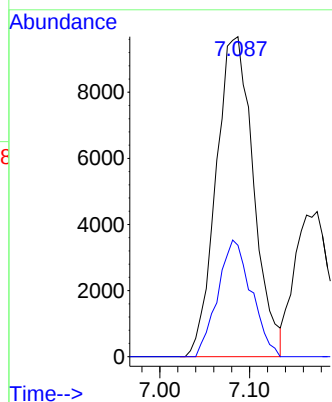
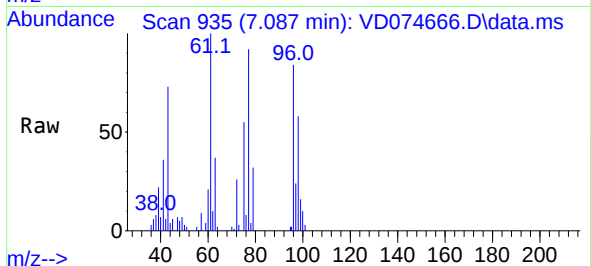




#25  
2-Butanone  
Concen: 98.959 ug/l  
RT: 7.087 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

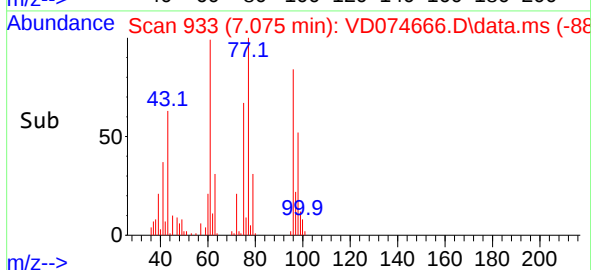
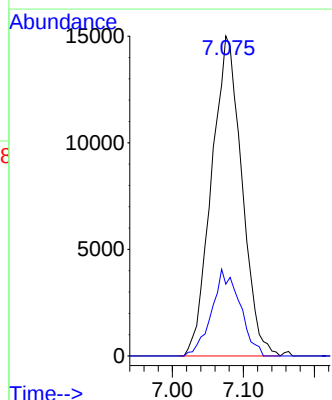
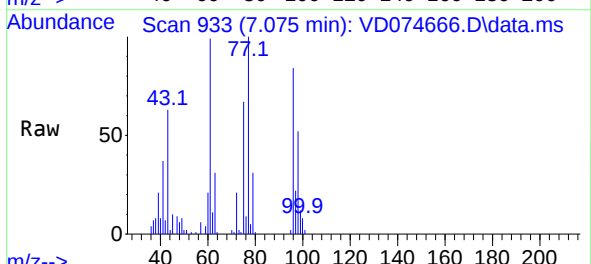
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

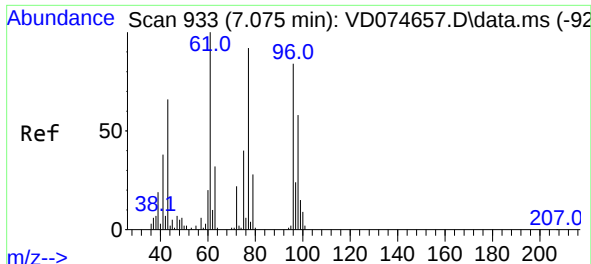
Tgt Ion: 43 Resp: 28055  
Ion Ratio Lower Upper  
43 100  
72 34.8 25.8 38.8



#26  
2,2-Dichloropropane  
Concen: 21.222 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 77 Resp: 44379  
Ion Ratio Lower Upper  
77 100  
97 25.2 12.5 37.5



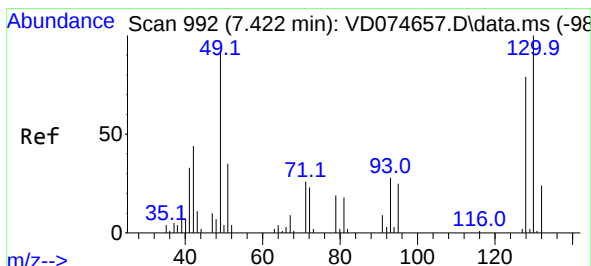
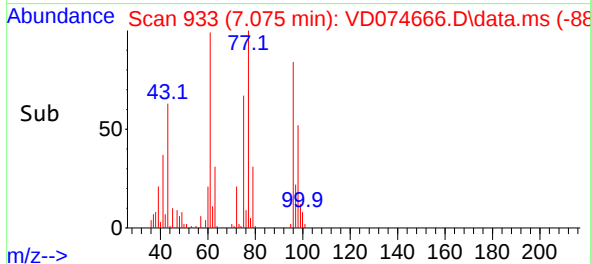
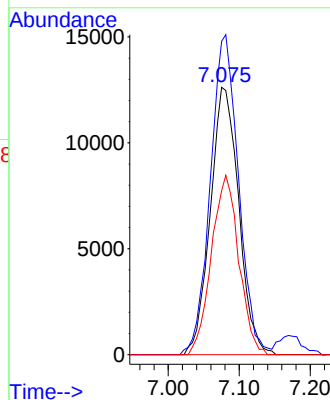
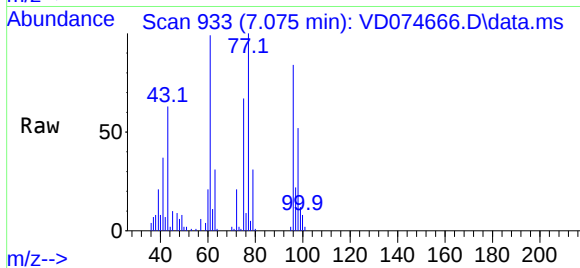


#27  
 cis-1,2-Dichloroethene  
 Concen: 19.959 ug/l  
 RT: 7.075 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VD074666.D  
 Acq: 28 Oct 2022 12:45

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1028SBSD01

Tgt Ion: 96 Resp: 35055  

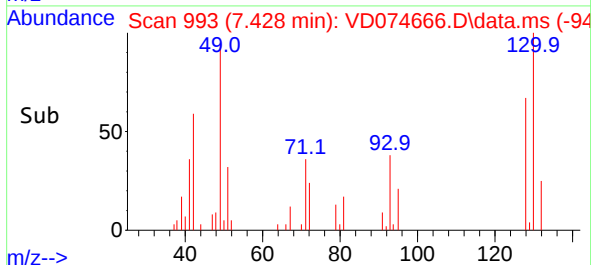
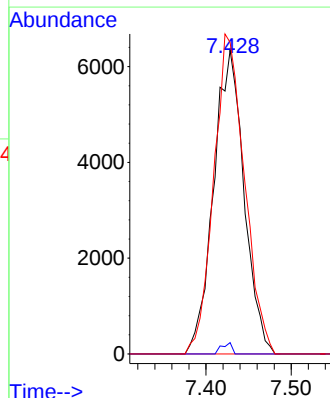
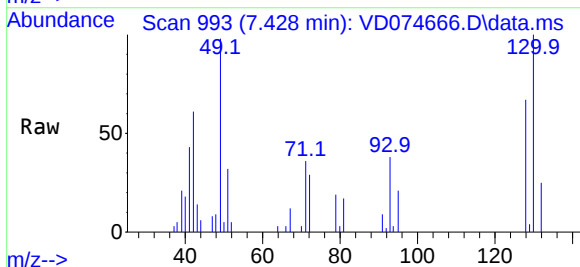
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 118.7 | 0.0   | 242.4 |
| 98  | 64.5  | 0.0   | 130.0 |

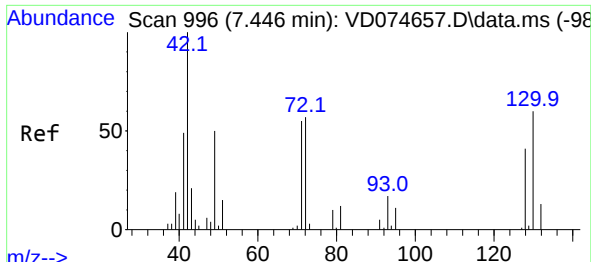


#28  
 Bromochloromethane  
 Concen: 19.169 ug/l  
 RT: 7.428 min Scan# 993  
 Delta R.T. 0.006 min  
 Lab File: VD074666.D  
 Acq: 28 Oct 2022 12:45

Tgt Ion: 49 Resp: 15737  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 1.3   | 0.0   | 5.0   |
| 130 | 106.3 | 84.1  | 126.1 |





#29

Tetrahydrofuran

Concen: 100.887 ug/l

RT: 7.440 min Scan# 996

Delta R.T. -0.006 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

Instrument :

MSVOA\_D

ClientSampleId :

VD1028SBS01

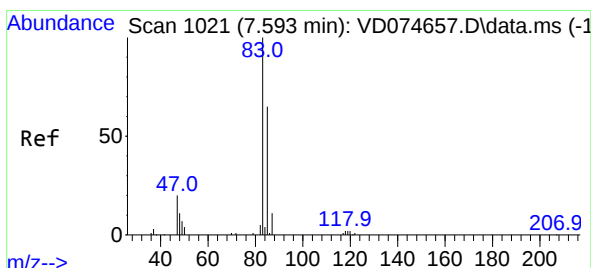
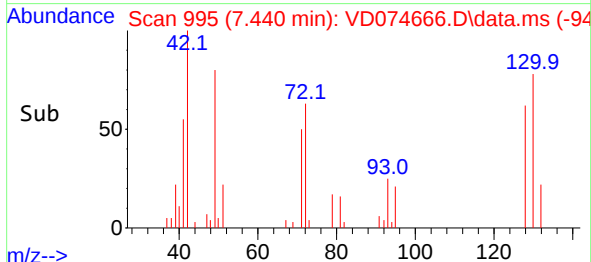
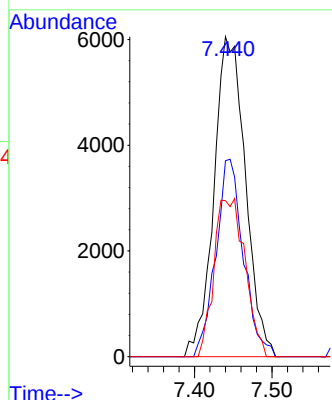
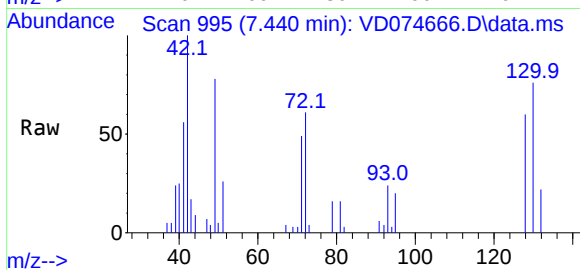
Tgt Ion: 42 Resp: 17076

Ion Ratio Lower Upper

42 100

72 54.2 45.8 68.6

71 48.7 44.6 66.8



#30

Chloroform

Concen: 20.059 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD074666.D

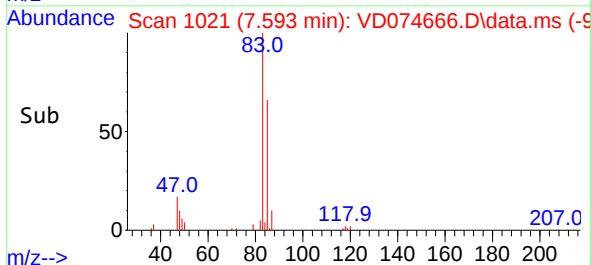
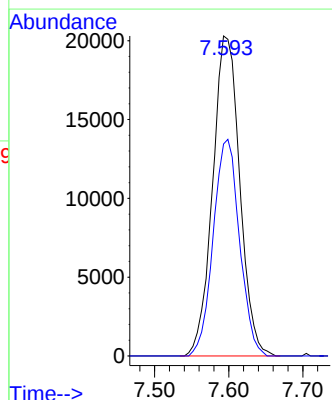
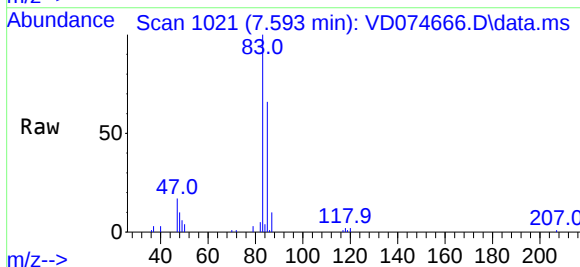
Acq: 28 Oct 2022 12:45

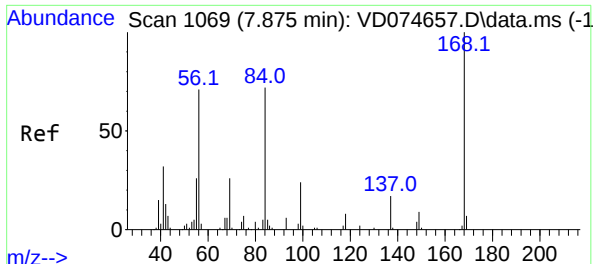
Tgt Ion: 83 Resp: 51631

Ion Ratio Lower Upper

83 100

85 66.3 52.0 78.0





#31

Cyclohexane

Concen: 20.697 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

Instrument :

MSVOA\_D

ClientSampleId :

VD1028SBSD01

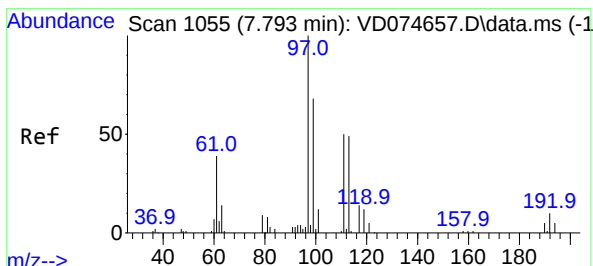
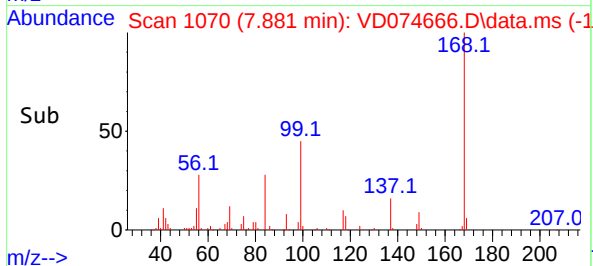
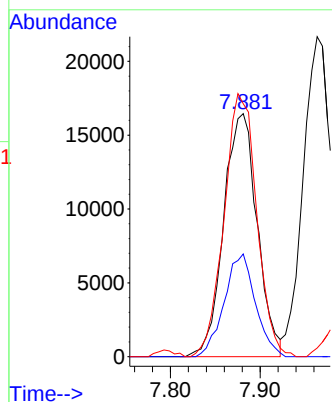
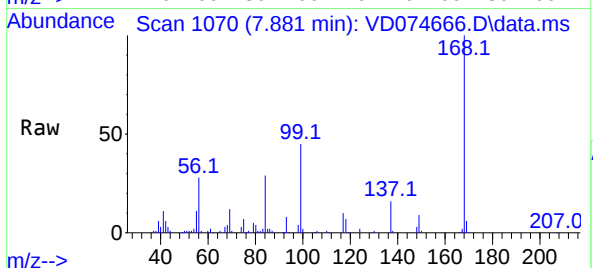
Tgt Ion: 56 Resp: 42726

Ion Ratio Lower Upper

56 100

69 42.2 29.2 43.8

84 102.6 83.4 125.2



#32

1,1,1-Trichloroethane

Concen: 20.723 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

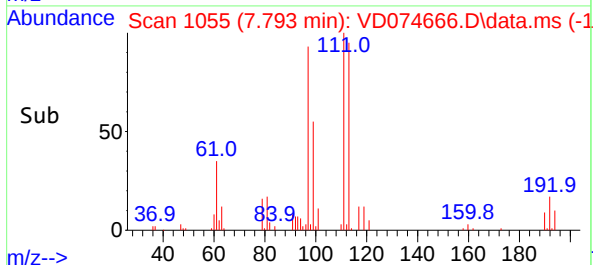
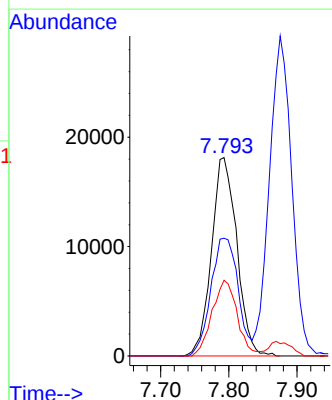
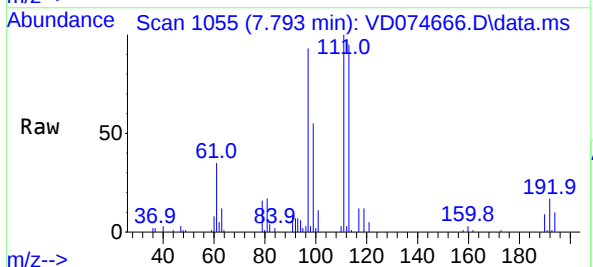
Tgt Ion: 97 Resp: 46834

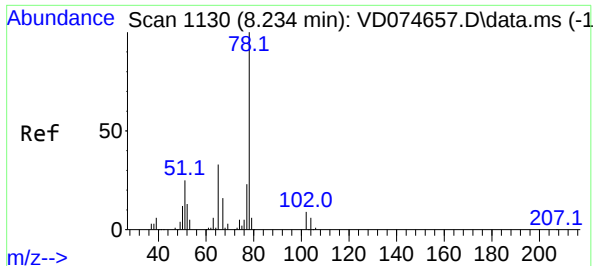
Ion Ratio Lower Upper

97 100

99 64.1 53.3 79.9

61 37.7 30.2 45.4





#33

1,2-Dichloroethane-d4

Concen: 48.234 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

Instrument :

MSVOA\_D

ClientSampleId :

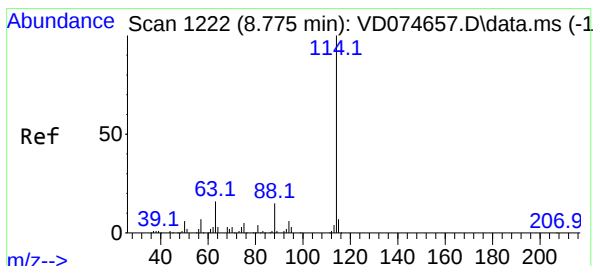
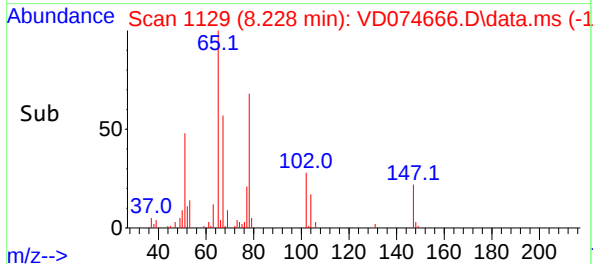
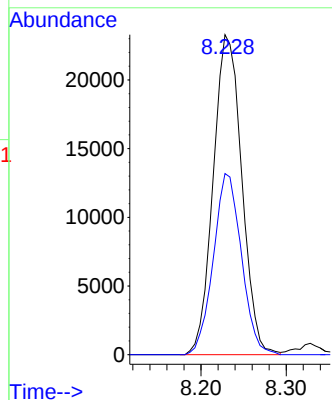
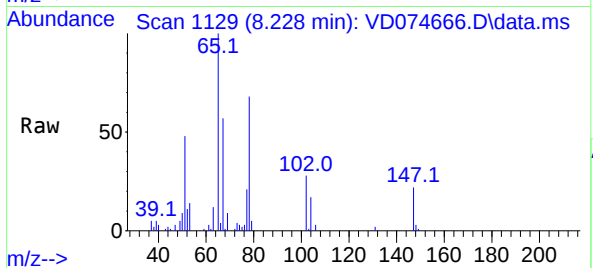
VD1028SBSD01

Tgt Ion: 65 Resp: 54326

Ion Ratio Lower Upper

65 100

67 55.6 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

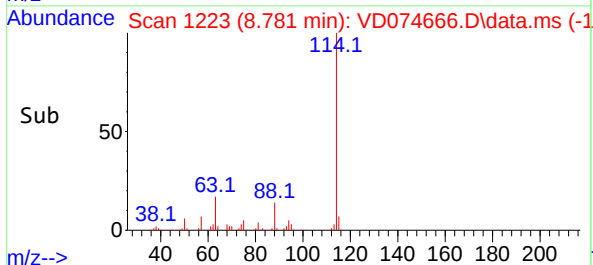
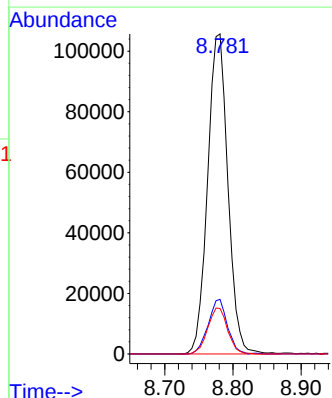
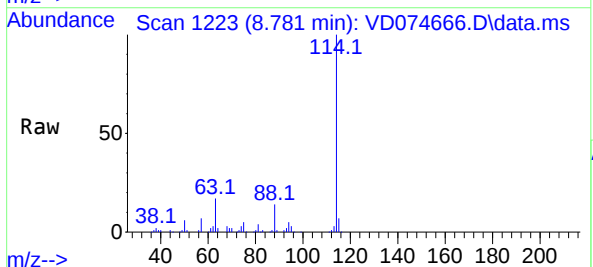
Tgt Ion: 114 Resp: 218906

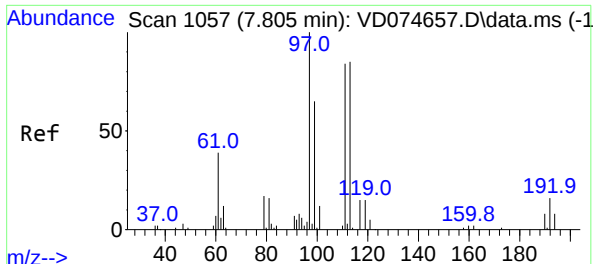
Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.2

88 14.2 0.0 28.2

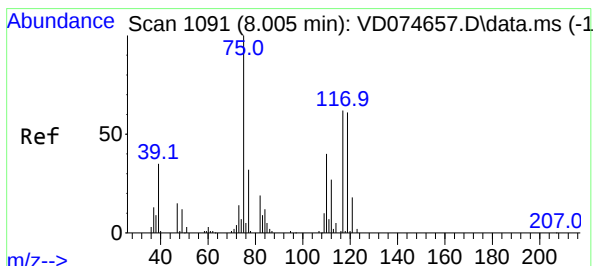
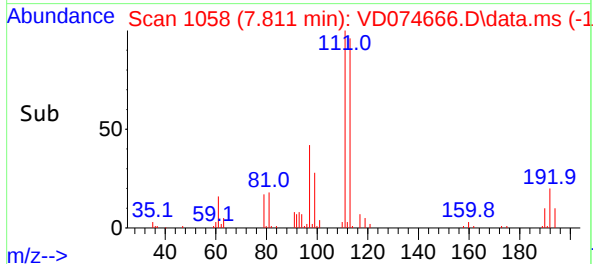
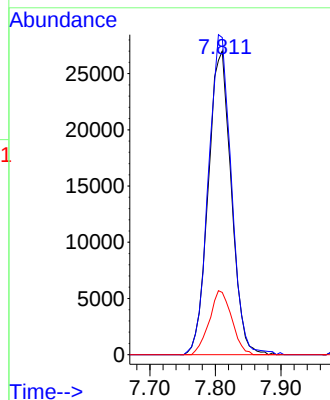
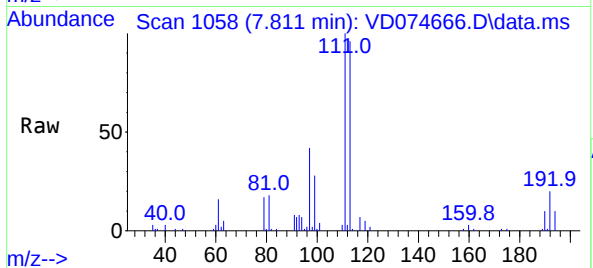




#35  
Dibromofluoromethane  
Concen: 49.290 ug/l  
RT: 7.811 min Scan# 1058  
Delta R.T. 0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

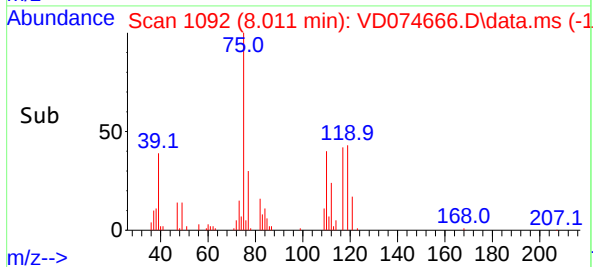
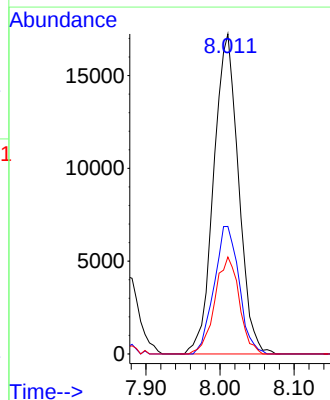
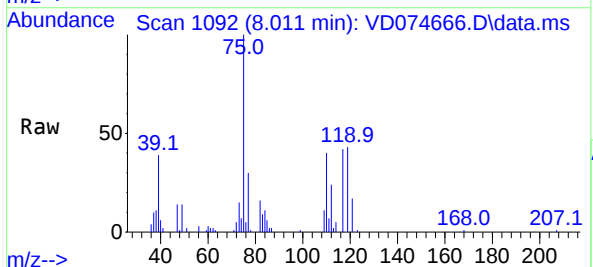
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

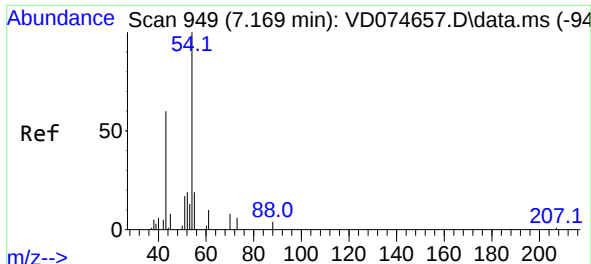
Tgt Ion:113 Resp: 65886  
Ion Ratio Lower Upper  
113 100  
111 104.6 82.3 123.5  
192 20.5 16.4 24.6



#36  
1,1-Dichloropropene  
Concen: 21.075 ug/l  
RT: 8.011 min Scan# 1092  
Delta R.T. 0.005 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 75 Resp: 40138  
Ion Ratio Lower Upper  
75 100  
110 40.1 19.7 59.0  
77 29.8 25.4 38.2

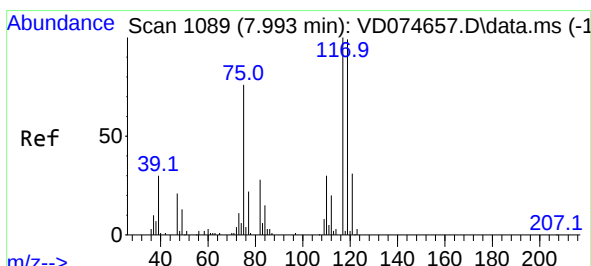
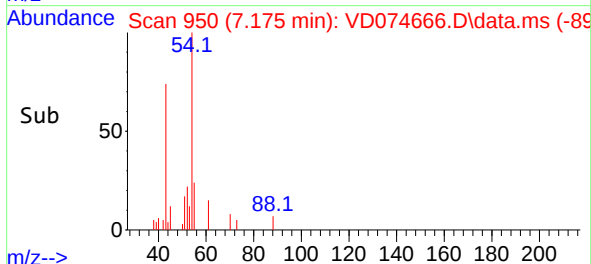
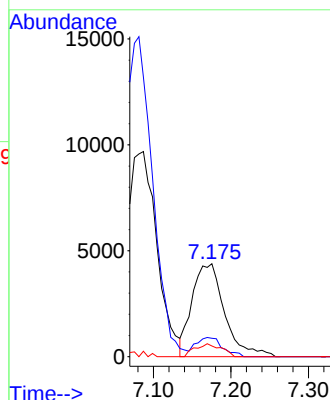
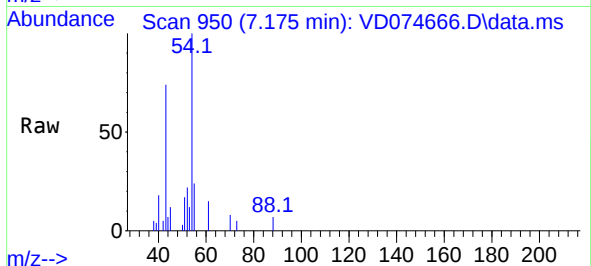




#37  
Ethyl Acetate  
Concen: 21.005 ug/l  
RT: 7.175 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

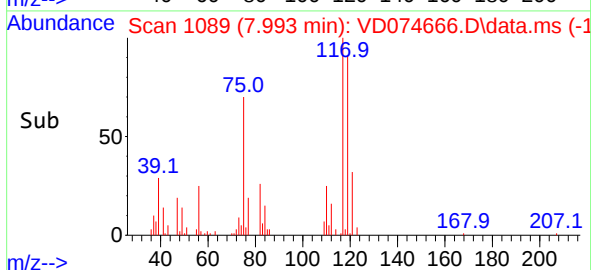
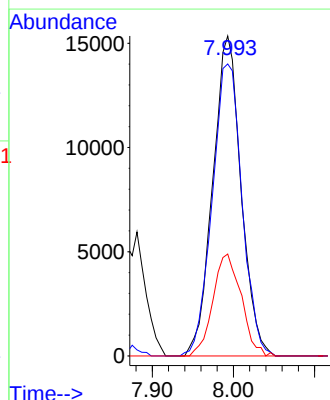
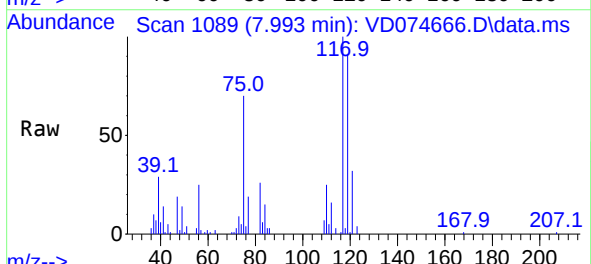
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

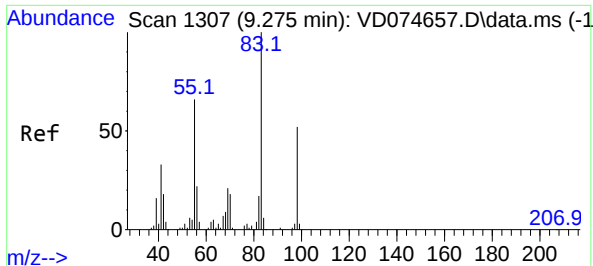
Tgt Ion: 43 Resp: 12785  
Ion Ratio Lower Upper  
43 100  
61 16.7 12.2 18.4  
70 11.3 9.6 14.4



#38  
Carbon Tetrachloride  
Concen: 20.985 ug/l  
RT: 7.993 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 117 Resp: 37139  
Ion Ratio Lower Upper  
117 100  
119 91.3 73.1 109.7  
121 31.9 25.0 37.6





#39

Methylcyclohexane

Concen: 21.711 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

Instrument :

MSVOA\_D

ClientSampleId :

VD1028SBSD01

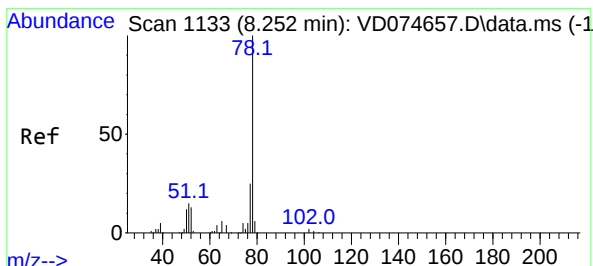
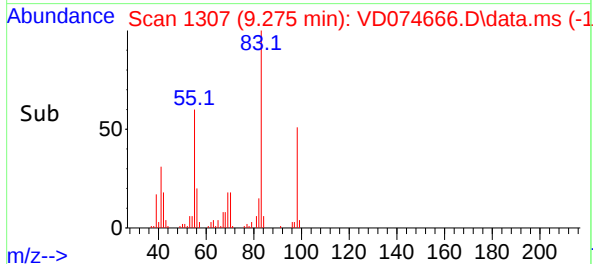
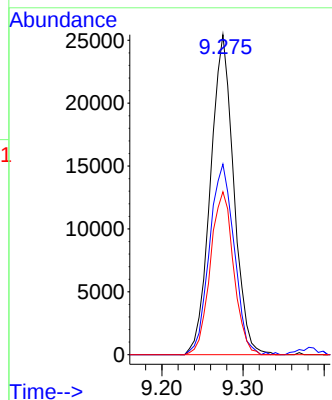
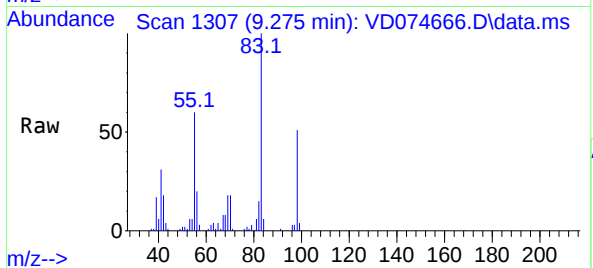
Tgt Ion: 83 Resp: 50576

Ion Ratio Lower Upper

83 100

55 59.6 49.0 73.4

98 50.9 41.7 62.5



#40

Benzene

Concen: 20.608 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD074666.D

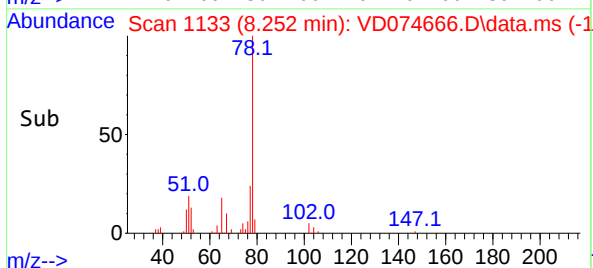
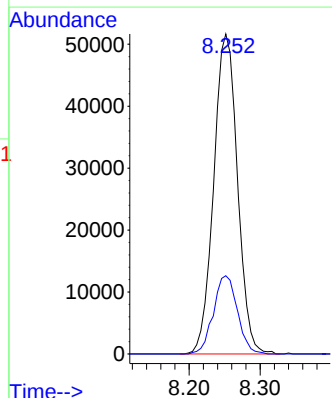
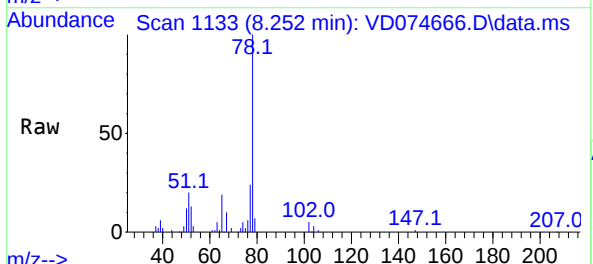
Acq: 28 Oct 2022 12:45

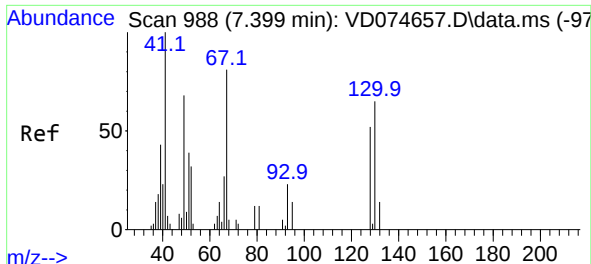
Tgt Ion: 78 Resp: 119711

Ion Ratio Lower Upper

78 100

77 24.5 20.1 30.1



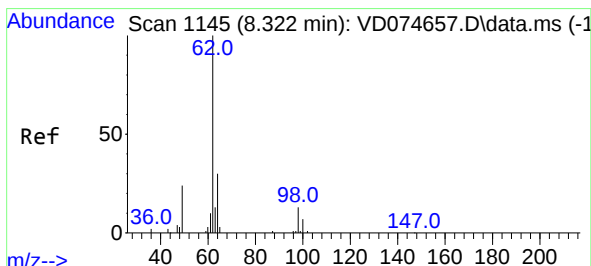
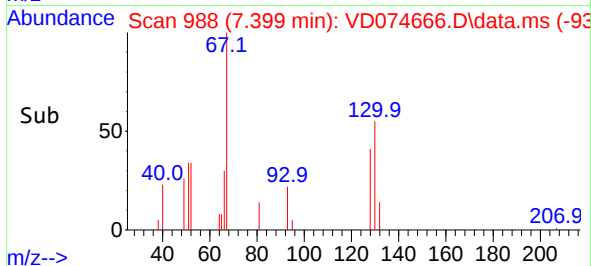
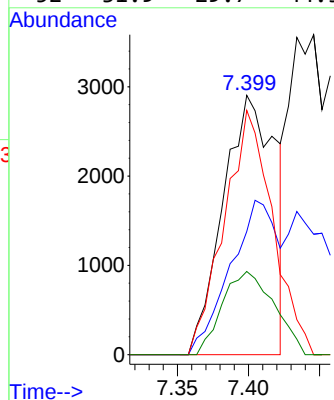
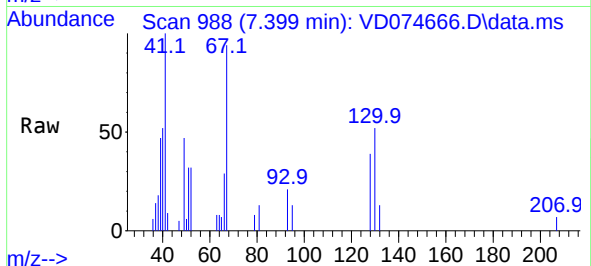


#41  
Methacrylonitrile  
Concen: 23.562 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBS01

Tgt Ion: 41 Resp: 7397

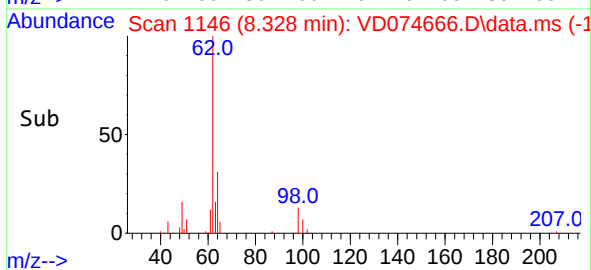
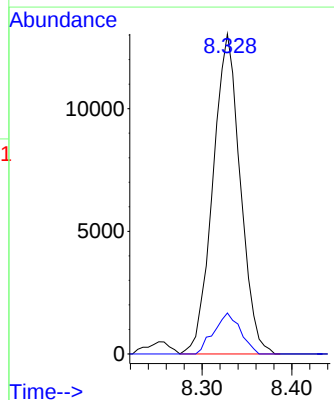
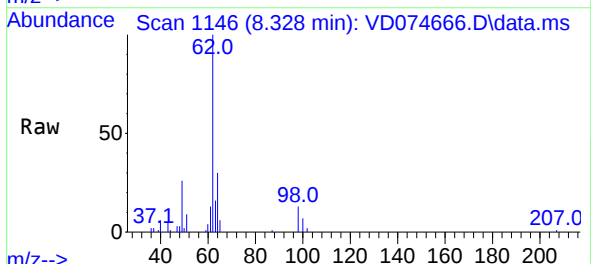
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 53.7  | 35.0  | 52.6# |
| 67  | 87.5  | 77.0  | 115.6 |
| 52  | 31.9  | 29.7  | 44.5  |

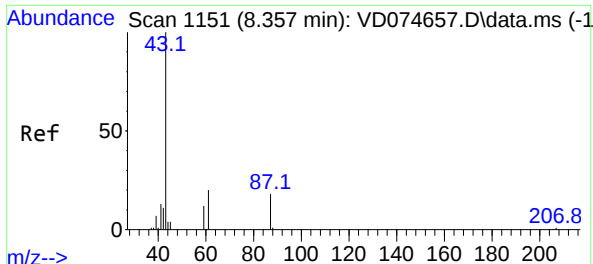


#42  
1,2-Dichloroethane  
Concen: 20.237 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 62 Resp: 27680

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 12.3  | 0.0   | 24.2  |





#43

Isopropyl Acetate

Concen: 19.249 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. 0.006 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

Instrument :

MSVOA\_D

ClientSampleId :

VD1028SBSD01

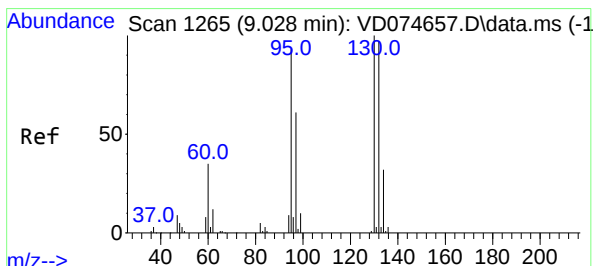
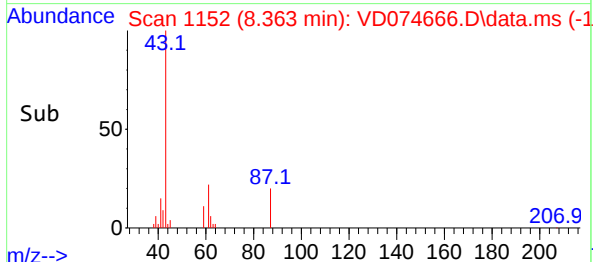
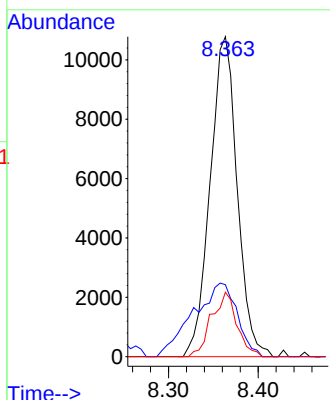
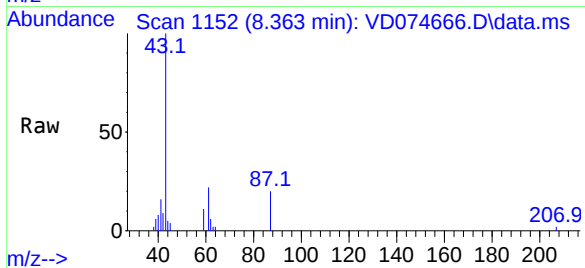
Tgt Ion: 43 Resp: 22557

Ion Ratio Lower Upper

43 100

61 37.5 30.9 46.3

87 18.9 14.3 21.5



#44

Trichloroethene

Concen: 19.878 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD074666.D

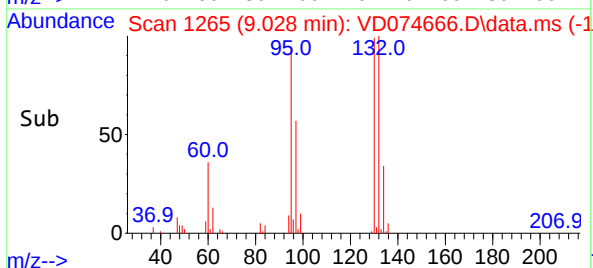
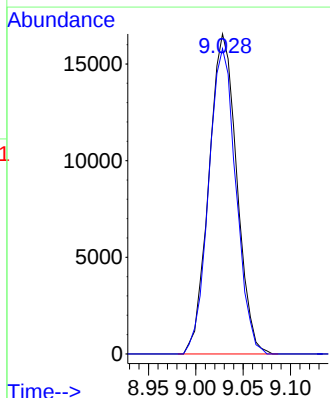
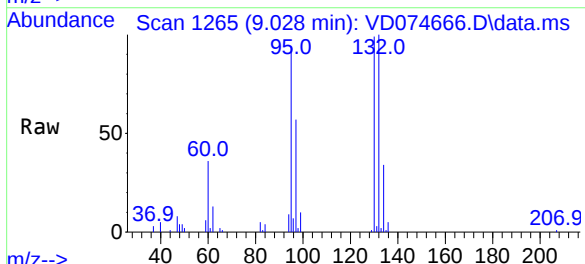
Acq: 28 Oct 2022 12:45

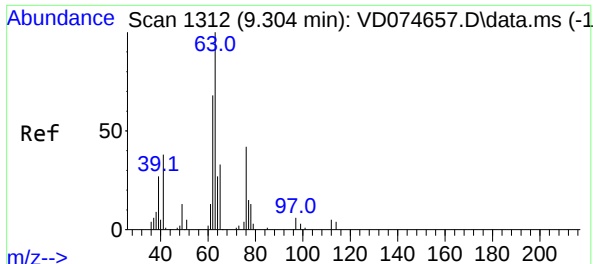
Tgt Ion:130 Resp: 33866

Ion Ratio Lower Upper

130 100

95 95.4 0.0 185.4

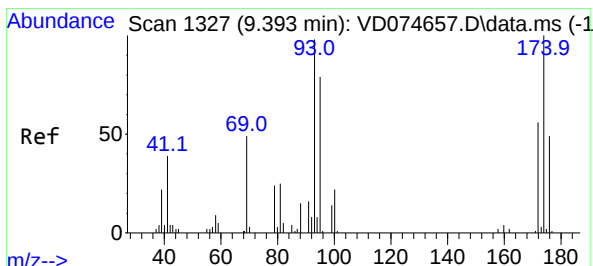
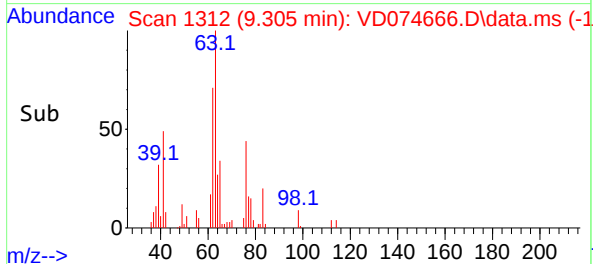
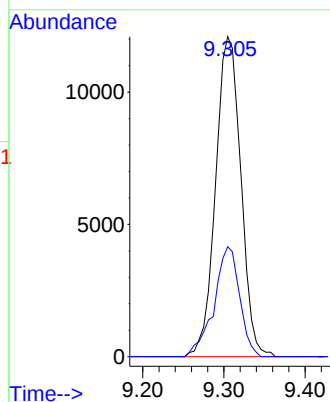
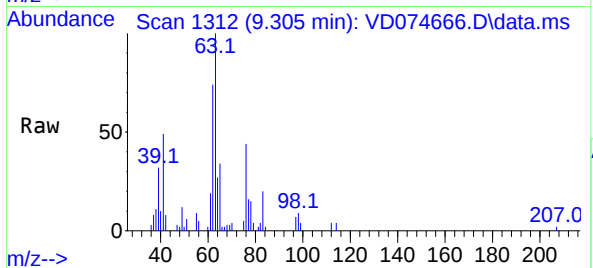




#45  
1,2-Dichloropropane  
Concen: 20.208 ug/l  
RT: 9.305 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

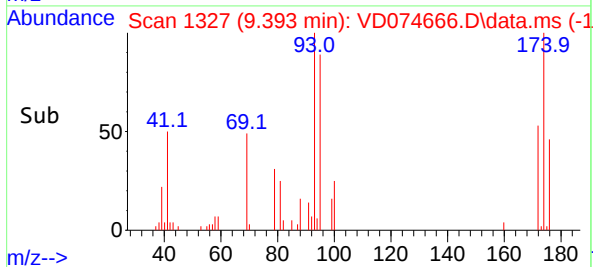
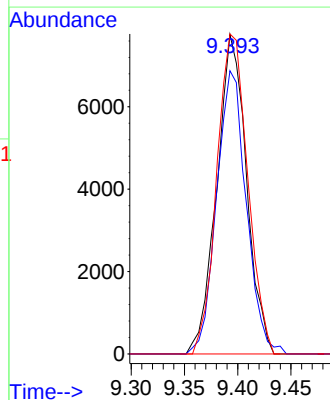
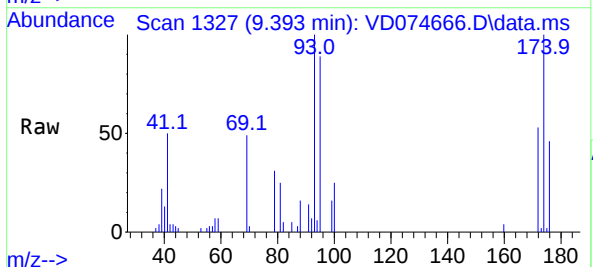
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

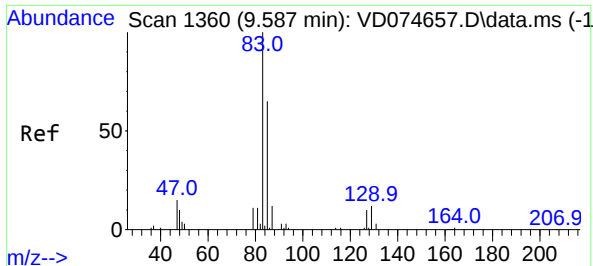
Tgt Ion: 63 Resp: 26177  
Ion Ratio Lower Upper  
63 100  
65 34.4 23.1 34.7



#46  
Dibromomethane  
Concen: 19.847 ug/l  
RT: 9.393 min Scan# 1327  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 93 Resp: 15011  
Ion Ratio Lower Upper  
93 100  
95 88.6 68.2 102.2  
174 104.1 87.4 131.0

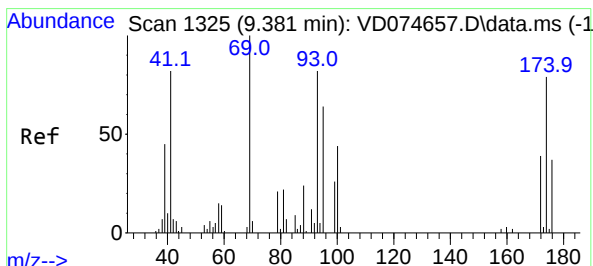
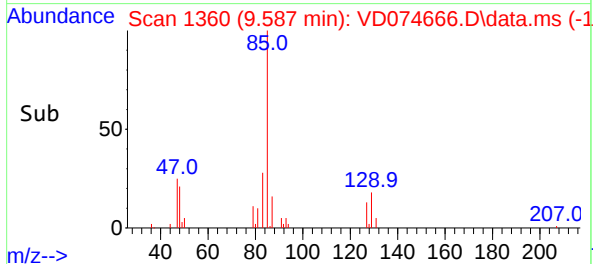
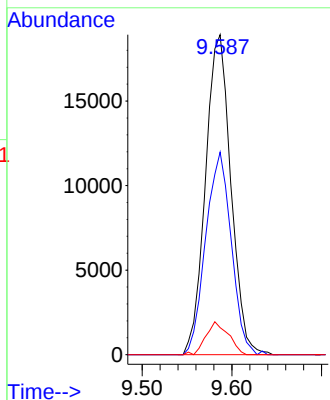
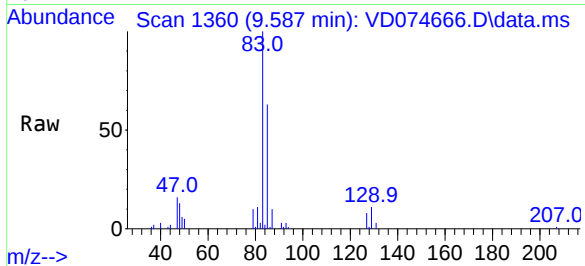




#47  
Bromodichloromethane  
Concen: 20.439 ug/l  
RT: 9.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

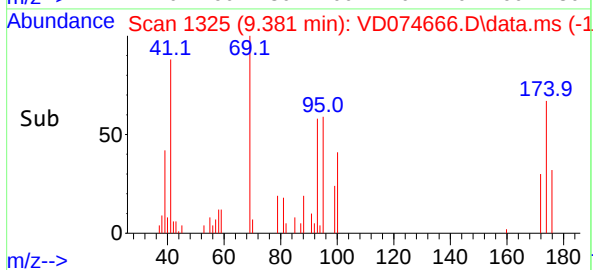
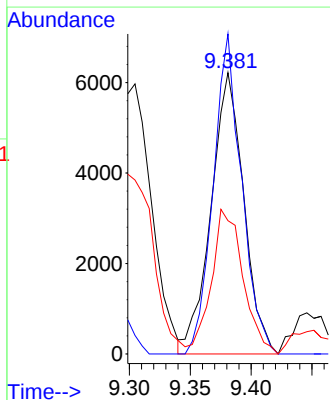
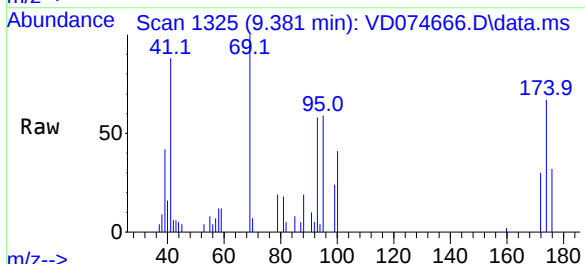
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

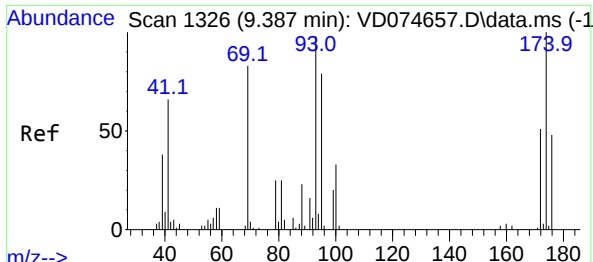
Tgt Ion: 83 Resp: 37243  
Ion Ratio Lower Upper  
83 100  
85 63.3 48.8 73.2  
127 8.4 6.7 10.1



#48  
Methyl methacrylate  
Concen: 22.387 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 41 Resp: 11633  
Ion Ratio Lower Upper  
41 100  
69 98.8 93.0 139.4  
39 49.9 44.6 66.8





#49

1,4-Dioxane

Concen: 373.587 ug/l

RT: 9.387 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

Instrument :

MSVOA\_D

ClientSampleId :

VD1028SBSD01

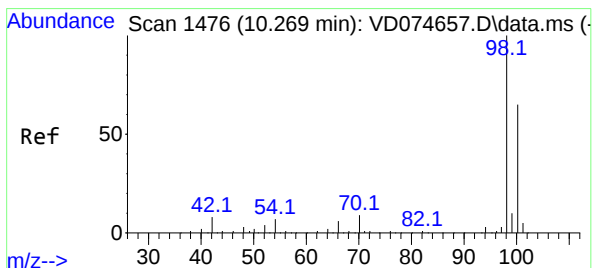
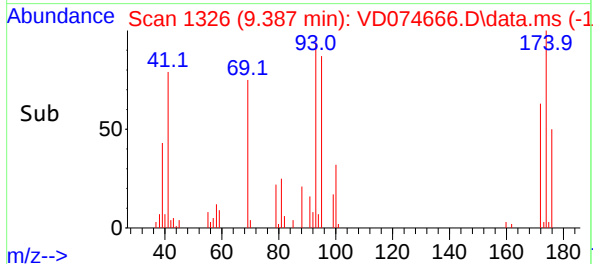
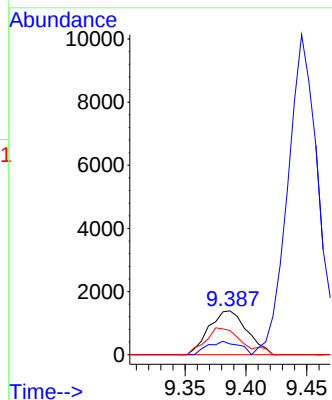
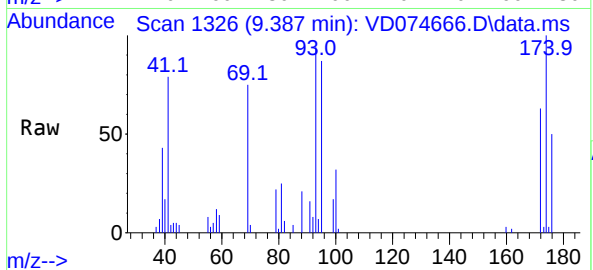
Tgt Ion: 88 Resp: 3011

Ion Ratio Lower Upper

88 100

43 25.3 24.1 36.1

58 58.5 43.1 64.7



#50

Toluene-d8

Concen: 51.789 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074666.D

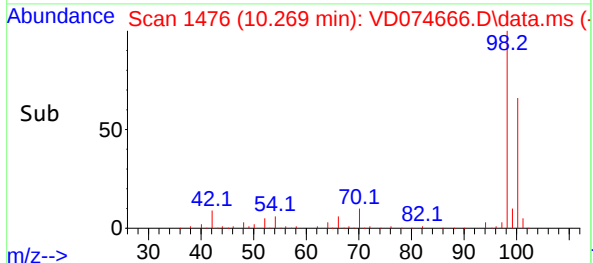
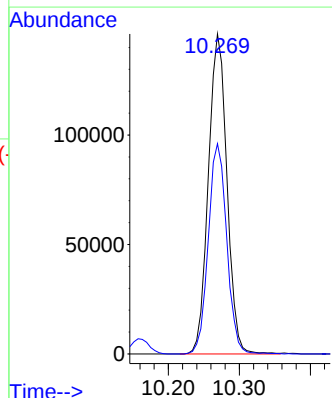
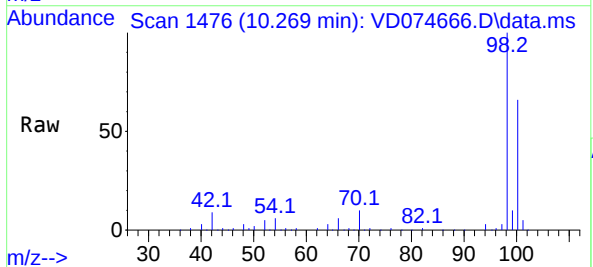
Acq: 28 Oct 2022 12:45

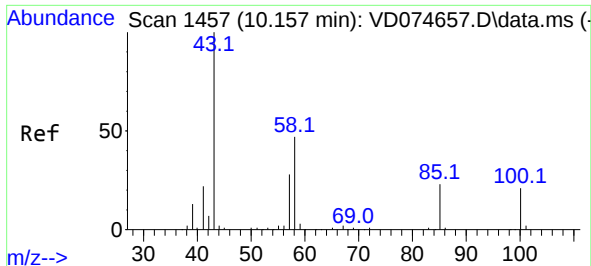
Tgt Ion: 98 Resp: 266222

Ion Ratio Lower Upper

98 100

100 65.4 51.4 77.0

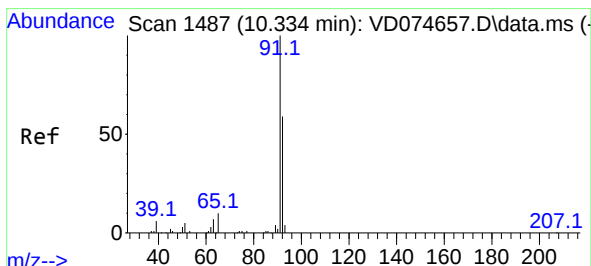
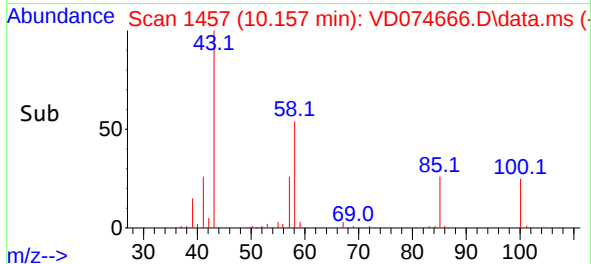
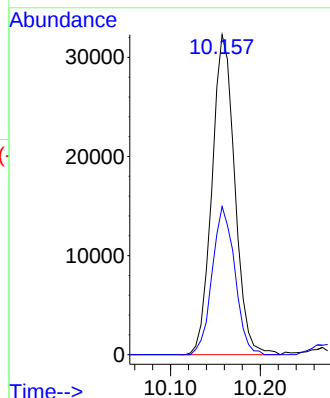
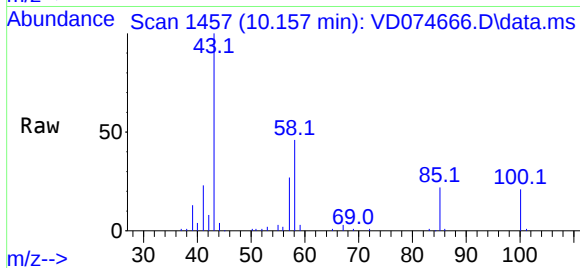




#51  
4-Methyl-2-Pentanone  
Concen: 100.704 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

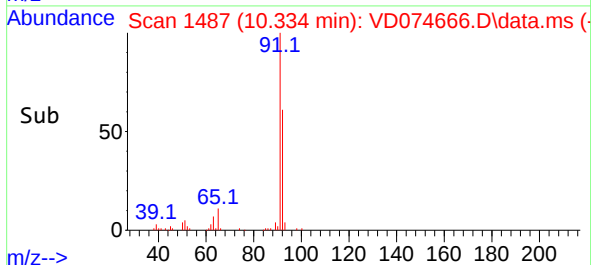
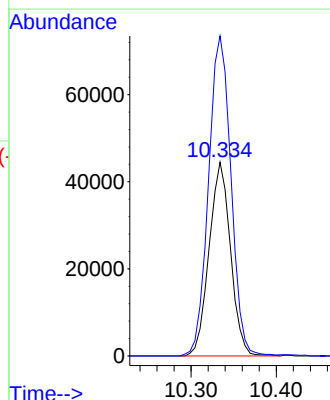
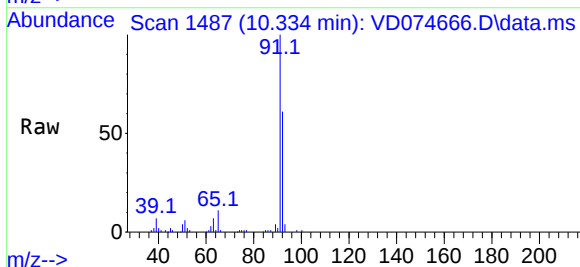
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

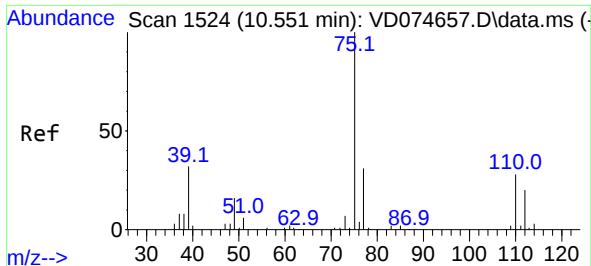
Tgt Ion: 43 Resp: 57018  
Ion Ratio Lower Upper  
43 100  
58 45.9 37.8 56.6



#52  
Toluene  
Concen: 21.369 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 92 Resp: 77718  
Ion Ratio Lower Upper  
92 100  
91 173.1 139.0 208.4

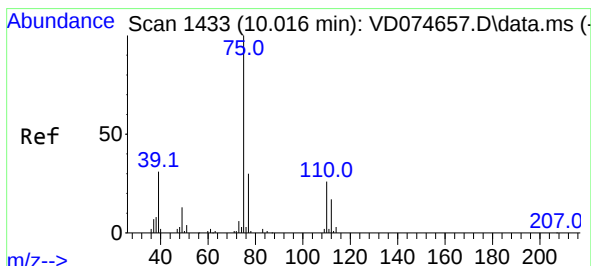
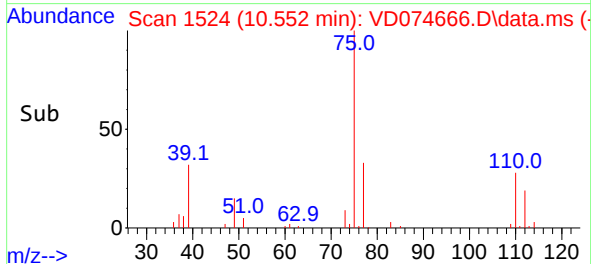
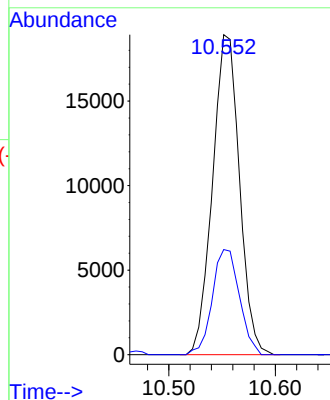
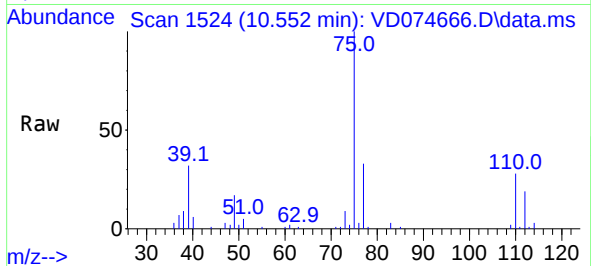




#53  
t-1,3-Dichloropropene  
Concen: 21.216 ug/l  
RT: 10.552 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

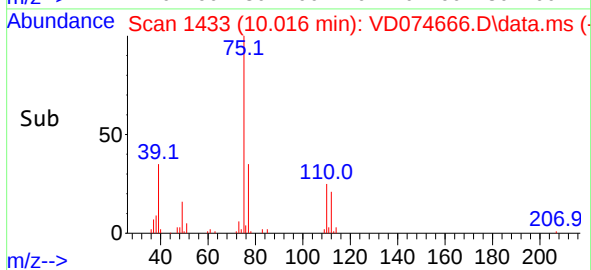
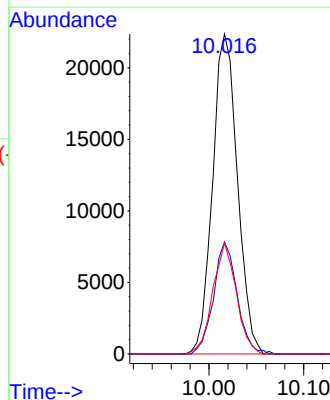
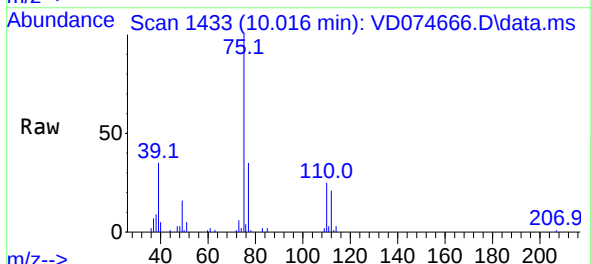
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

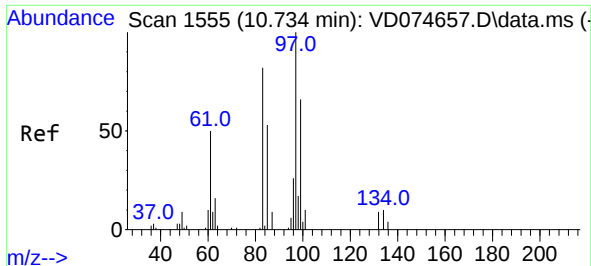
Tgt Ion: 75 Resp: 33138  
Ion Ratio Lower Upper  
75 100  
77 32.9 25.6 38.4



#54  
cis-1,3-Dichloropropene  
Concen: 20.458 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 75 Resp: 40724  
Ion Ratio Lower Upper  
75 100  
77 35.0 24.7 37.1  
39 34.7 25.4 38.2

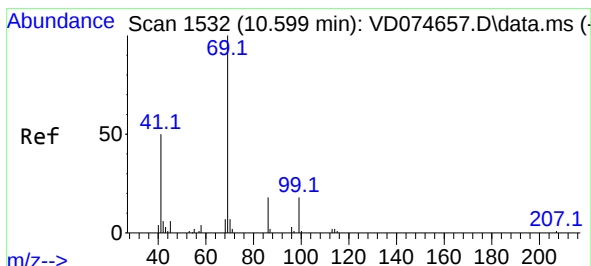
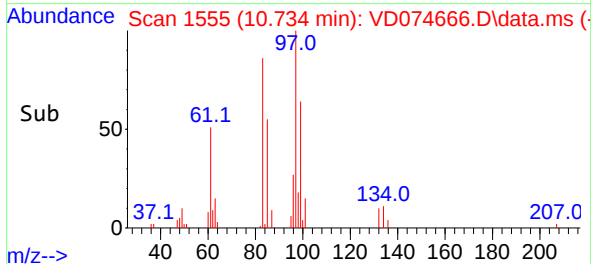
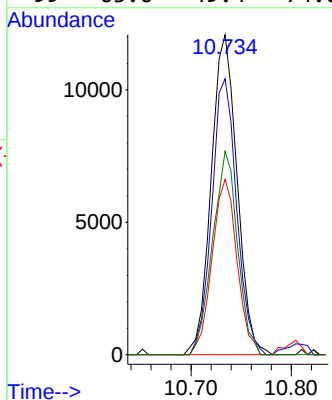
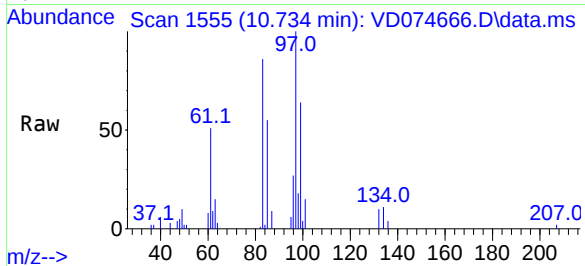




#55  
1,1,2-Trichloroethane  
Concen: 20.995 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

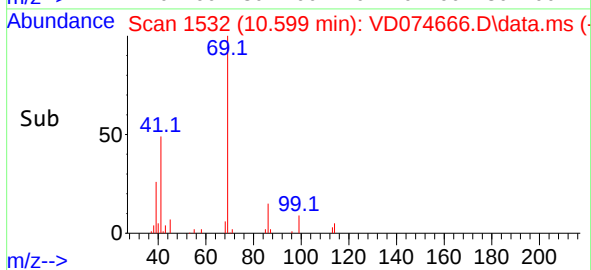
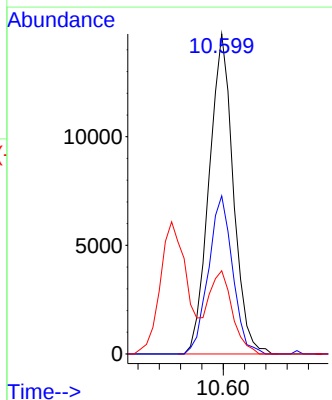
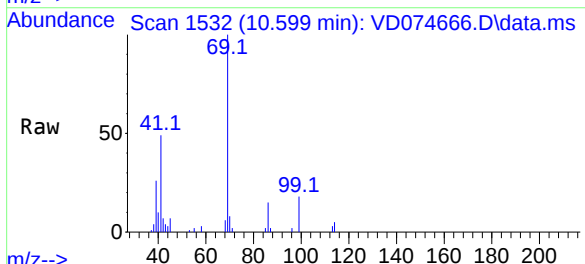
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

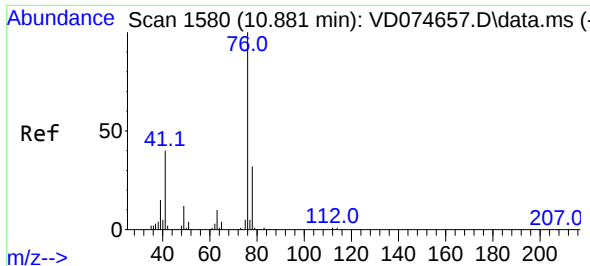
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 21656 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.3  | 64.8  | 97.2  |
| 85       | 54.8  | 44.8  | 67.2  |
| 99       | 63.6  | 49.4  | 74.0  |



#56  
Ethyl methacrylate  
Concen: 20.494 ug/l  
RT: 10.599 min Scan# 1532  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 23259 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 49.3  | 38.6  | 58.0  |
| 39       | 26.7  | 19.9  | 29.9  |





#57

1,3-Dichloropropane

Concen: 21.151 ug/l

RT: 10.881 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

Instrument :

MSVOA\_D

ClientSampleId :

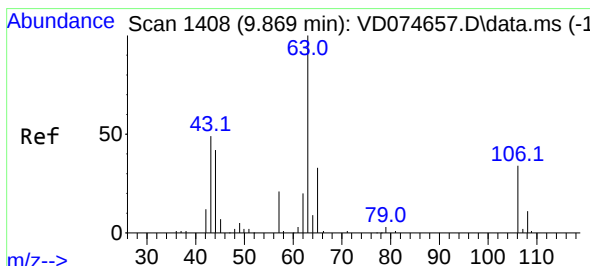
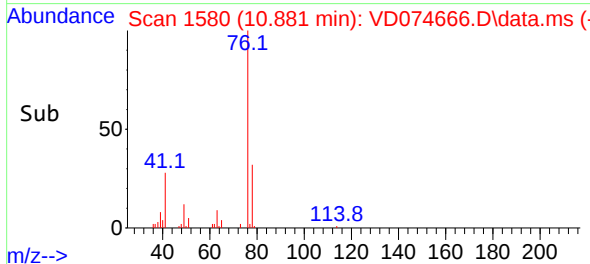
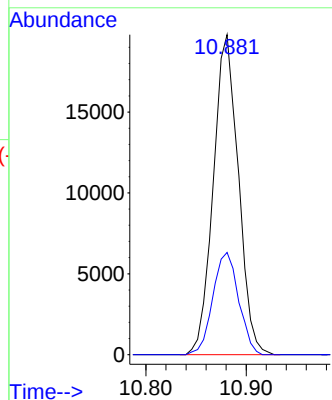
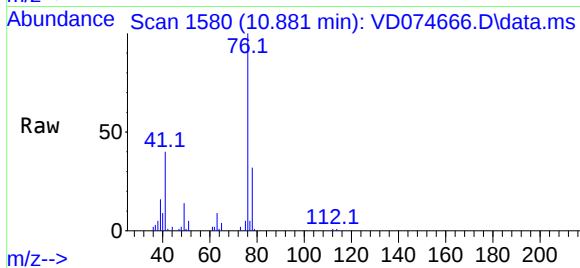
VD1028SBSD01

Tgt Ion: 76 Resp: 34353

Ion Ratio Lower Upper

76 100

78 32.9 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 108.873 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD074666.D

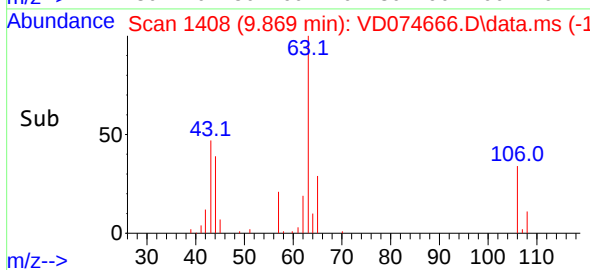
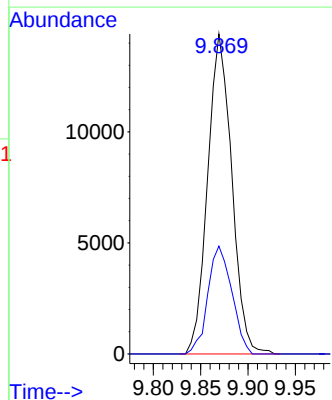
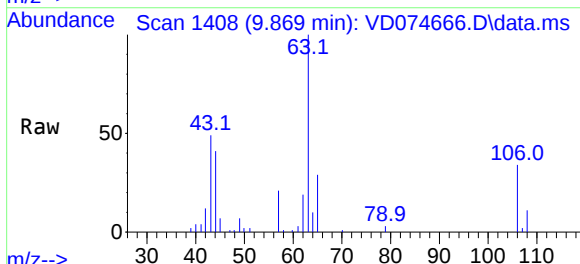
Acq: 28 Oct 2022 12:45

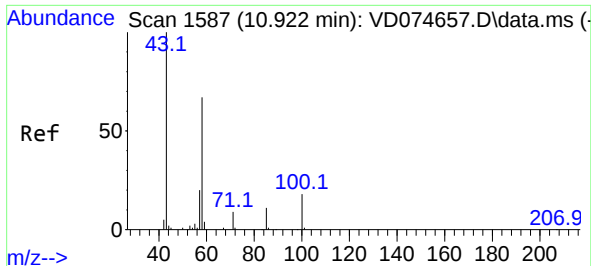
Tgt Ion: 63 Resp: 25498

Ion Ratio Lower Upper

63 100

106 33.4 26.5 39.7

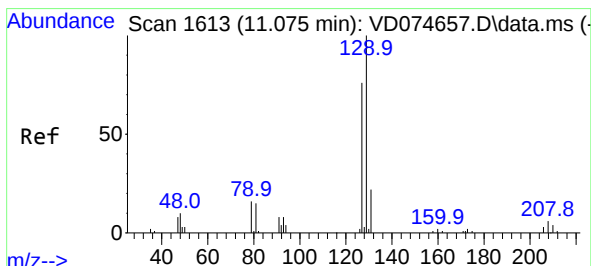
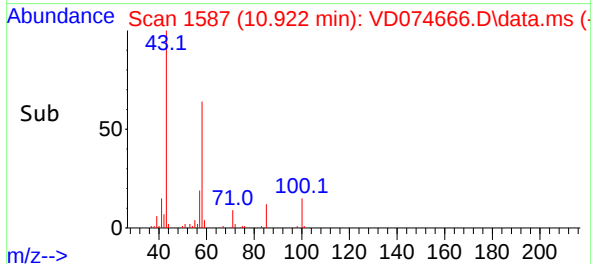
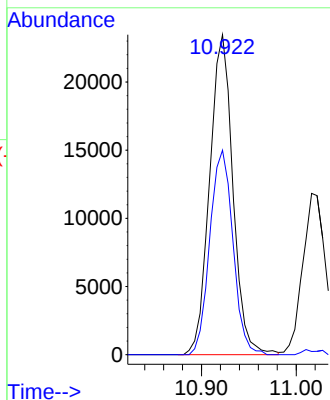
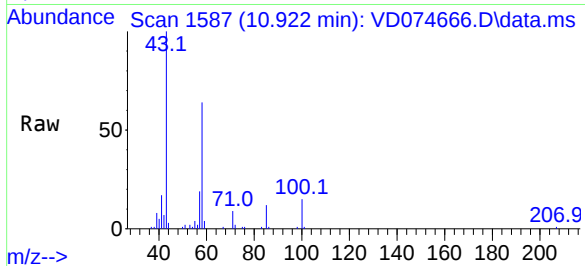




#59  
2-Hexanone  
Concen: 104.435 ug/l  
RT: 10.922 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

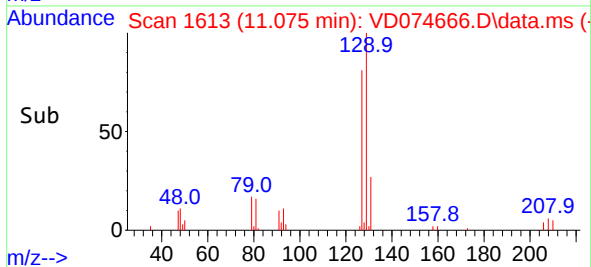
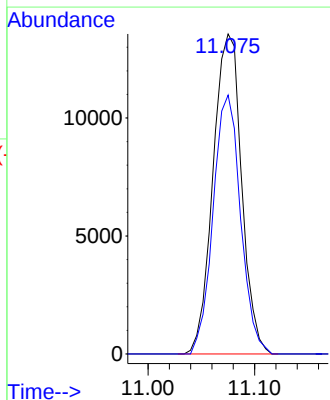
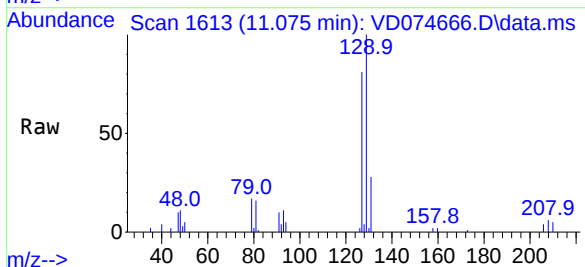
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

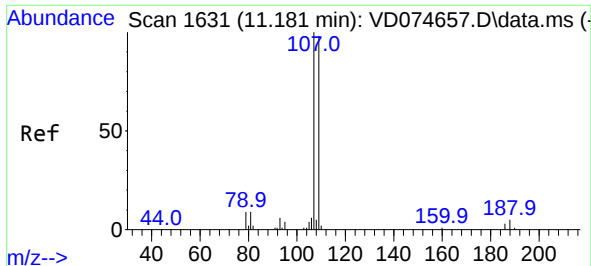
Tgt Ion: 43 Resp: 40041  
Ion Ratio Lower Upper  
43 100  
58 63.5 32.0 96.2



#60  
Dibromochloromethane  
Concen: 20.546 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 129 Resp: 25218  
Ion Ratio Lower Upper  
129 100  
127 77.8 39.1 117.2

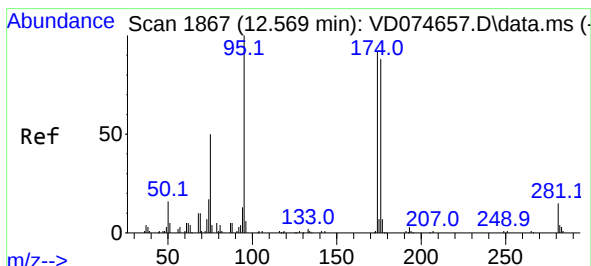
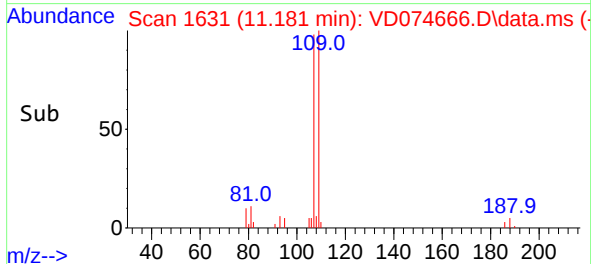
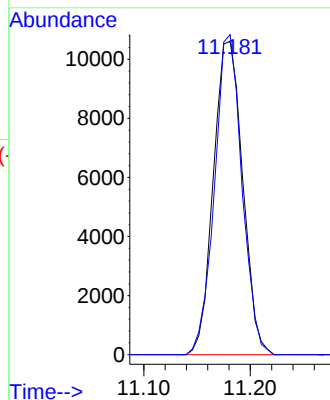
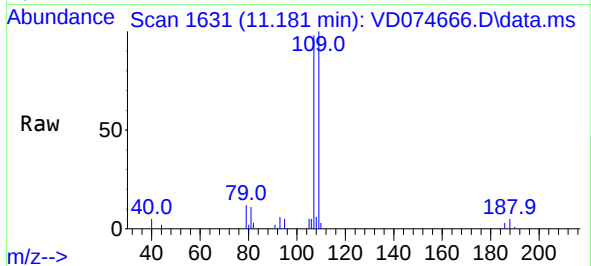




#61  
1,2-Dibromoethane  
Concen: 20.950 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

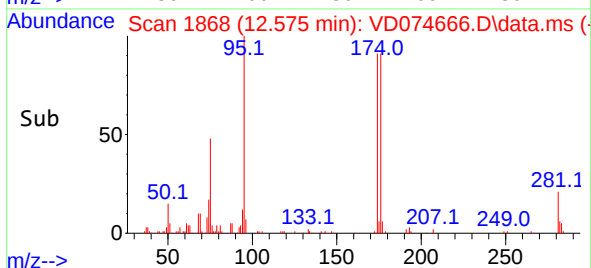
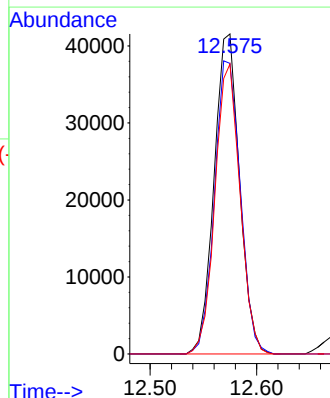
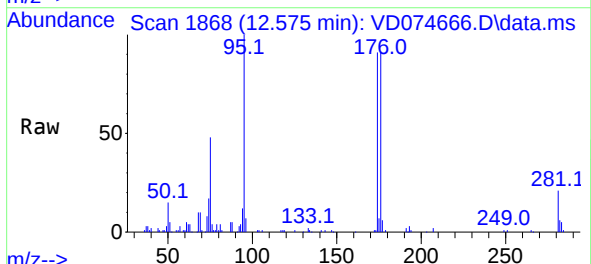
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

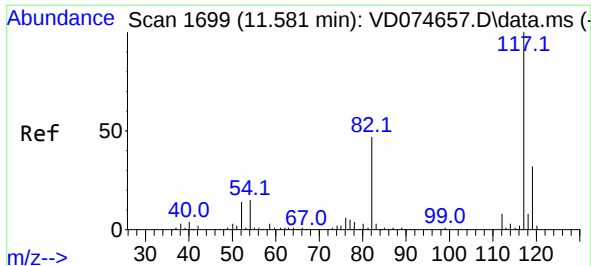
Tgt Ion:107 Resp: 20185  
Ion Ratio Lower Upper  
107 100  
109 95.8 74.6 111.8



#62  
4-Bromofluorobenzene  
Concen: 48.760 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 95 Resp: 68838  
Ion Ratio Lower Upper  
95 100  
174 92.9 0.0 197.0  
176 89.0 0.0 182.6

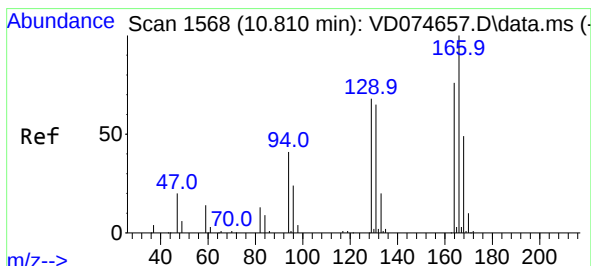
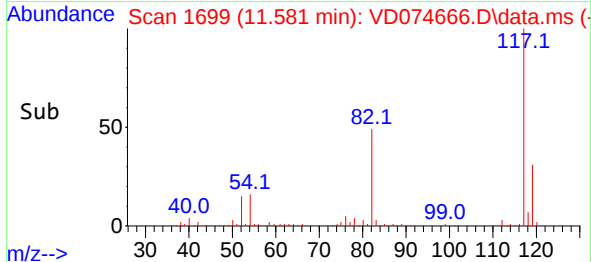
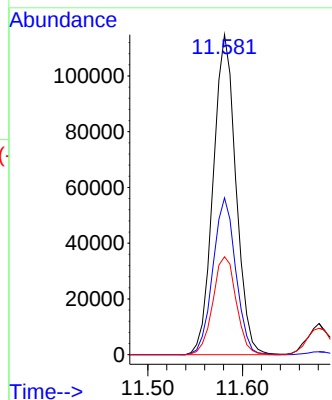
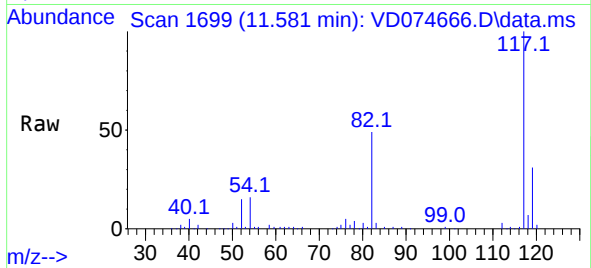




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

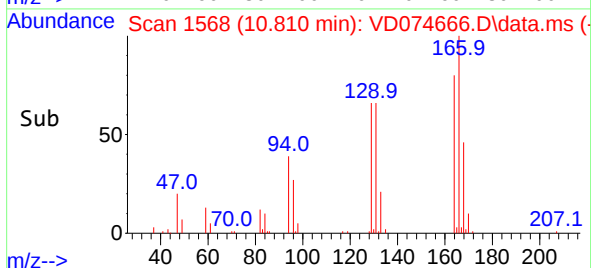
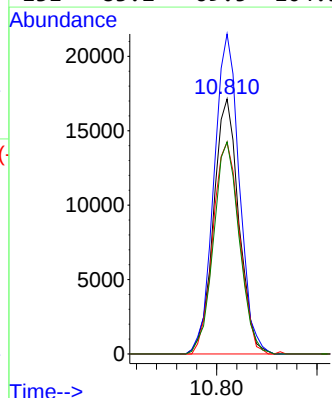
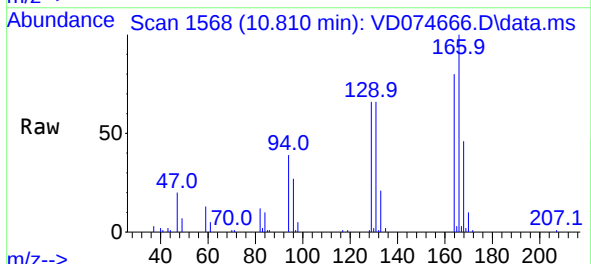
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

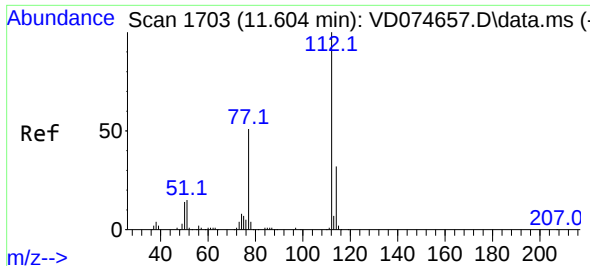
Tgt Ion:117 Resp: 191860  
Ion Ratio Lower Upper  
117 100  
82 49.0 41.6 62.4  
119 30.6 25.2 37.8



#64  
Tetrachloroethene  
Concen: 22.171 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion:164 Resp: 30099  
Ion Ratio Lower Upper  
164 100  
166 125.5 107.8 161.8  
129 83.1 77.4 116.2  
131 83.2 69.5 104.3

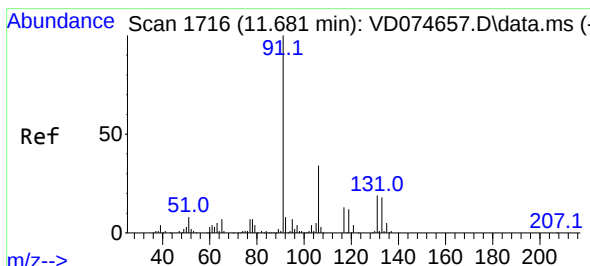
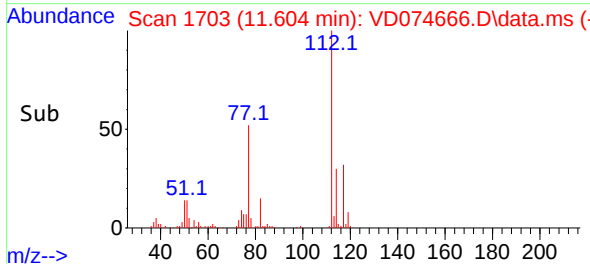
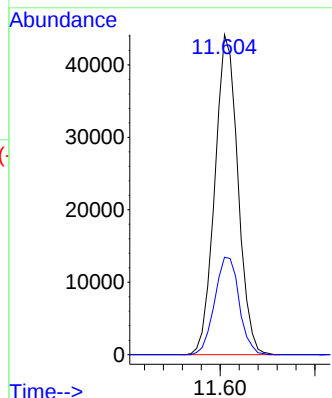
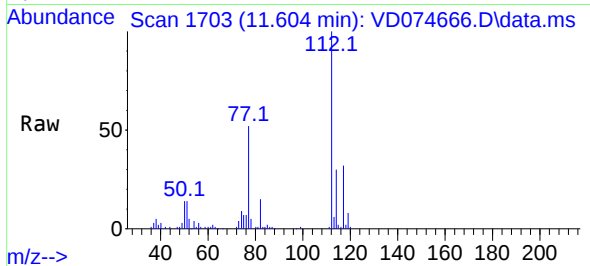




#65  
Chlorobenzene  
Concen: 19.223 ug/l  
RT: 11.604 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

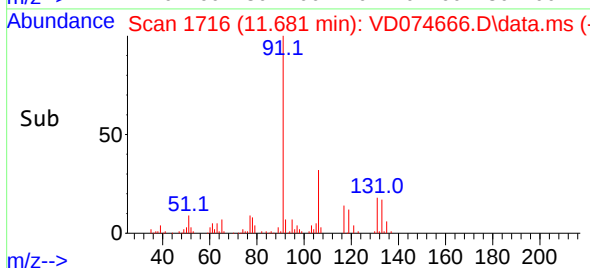
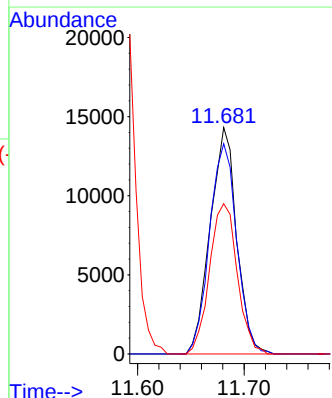
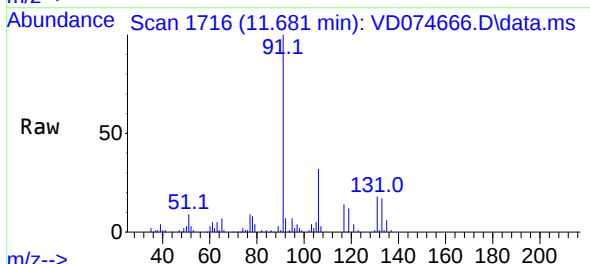
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

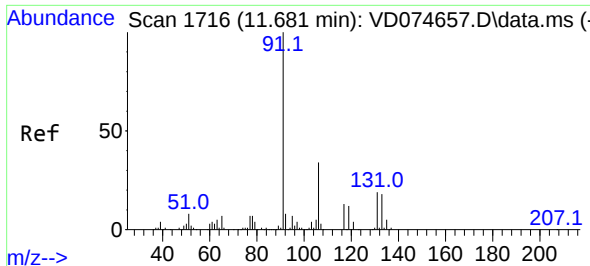
Tgt Ion:112 Resp: 74748  
Ion Ratio Lower Upper  
112 100  
114 30.5 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.760 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion:131 Resp: 24608  
Ion Ratio Lower Upper  
131 100  
133 95.9 46.6 139.8  
119 69.6 32.5 97.4

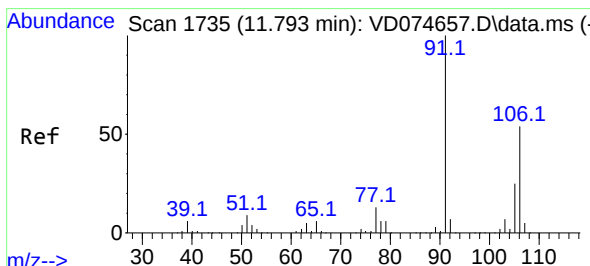
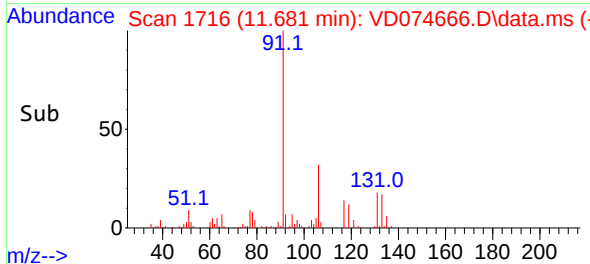
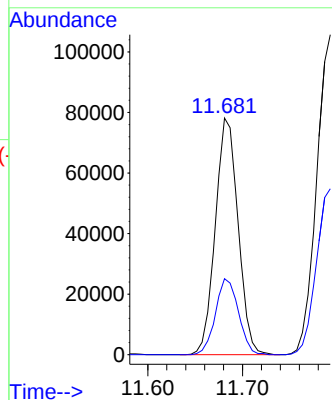
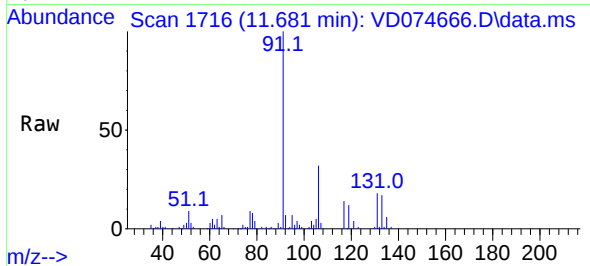




#67  
Ethyl Benzene  
Concen: 19.424 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

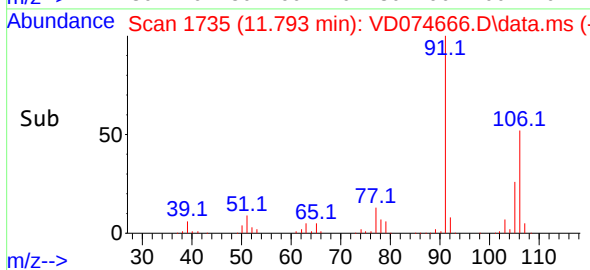
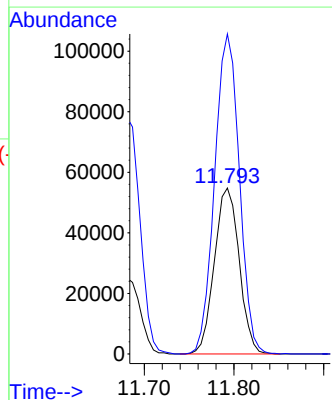
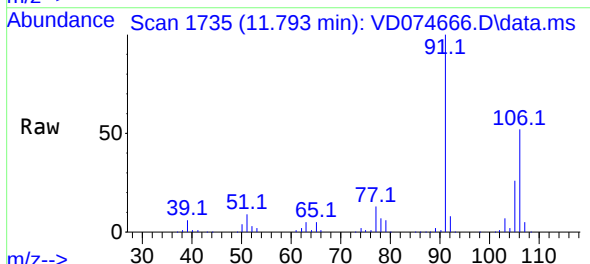
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

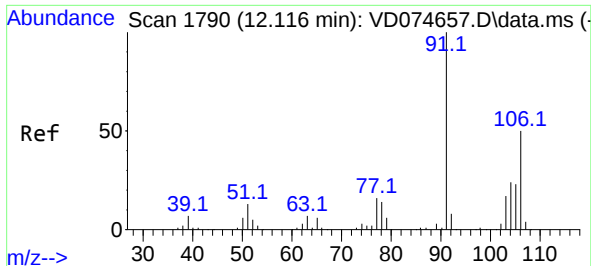
Tgt Ion: 91 Resp: 130494  
Ion Ratio Lower Upper  
91 100  
106 32.1 26.6 40.0



#68  
m/p-Xylenes  
Concen: 39.718 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion:106 Resp: 105337  
Ion Ratio Lower Upper  
106 100  
91 191.9 156.2 234.4

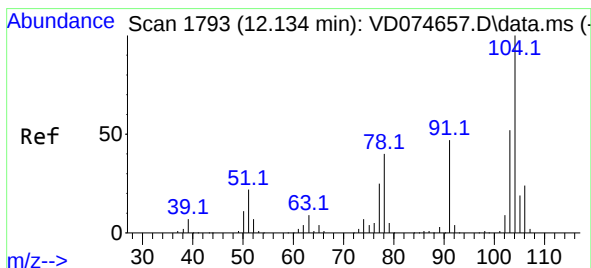
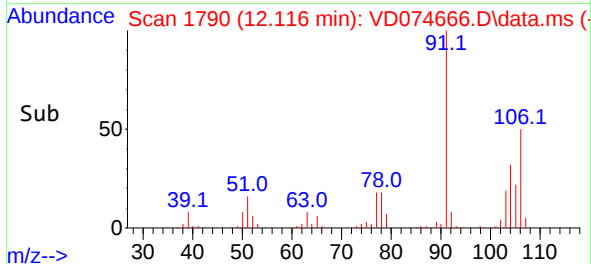
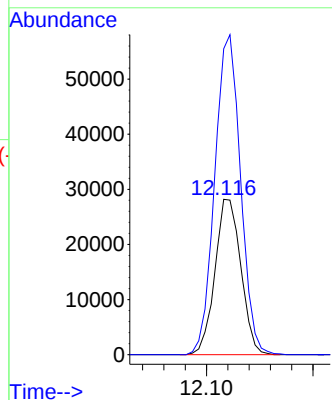
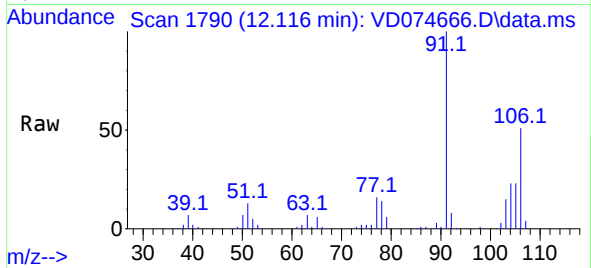




#69  
o-Xylene  
Concen: 19.462 ug/l  
RT: 12.116 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

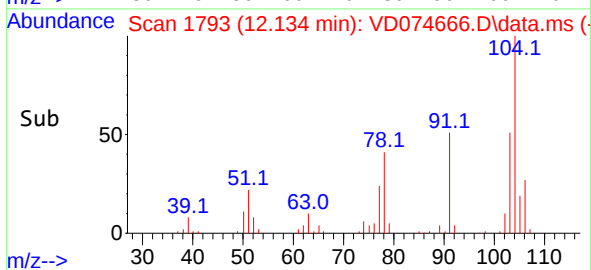
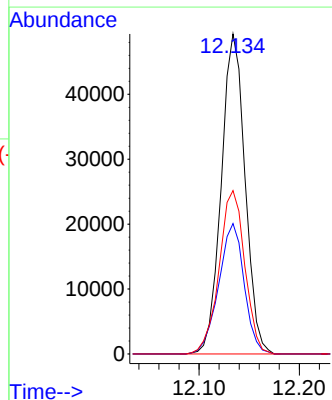
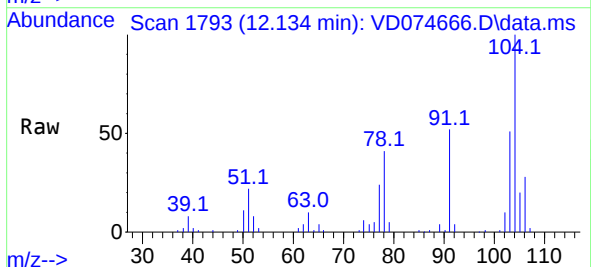
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

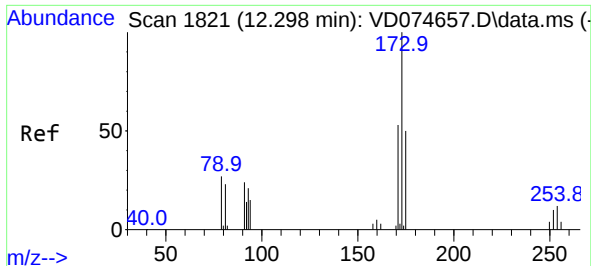
Tgt Ion:106 Resp: 47539  
Ion Ratio Lower Upper  
106 100  
91 205.1 104.5 313.3



#70  
Styrene  
Concen: 19.731 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion:104 Resp: 81146  
Ion Ratio Lower Upper  
104 100  
78 43.7 35.7 53.5  
103 55.2 43.7 65.5

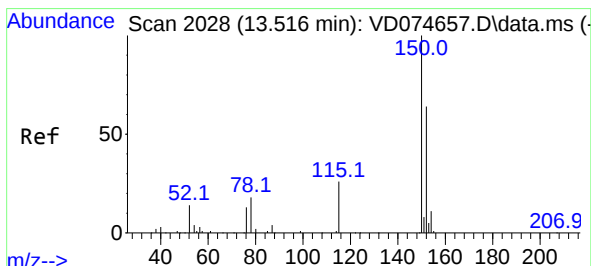
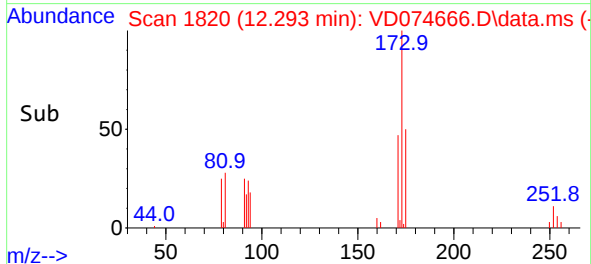
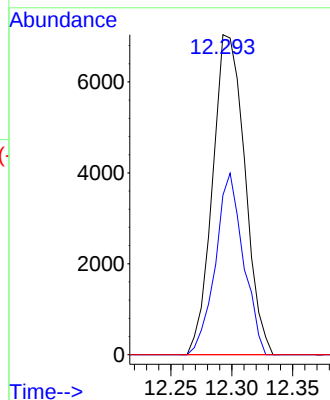
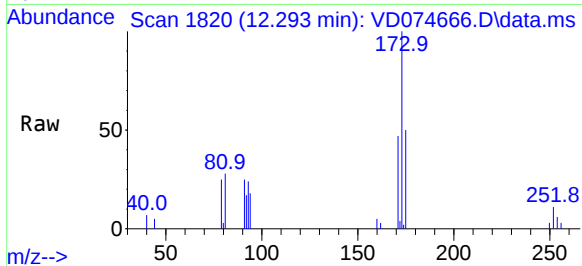




#71  
Bromoform  
Concen: 19.549 ug/l  
RT: 12.293 min Scan# 1821  
Delta R.T. -0.005 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

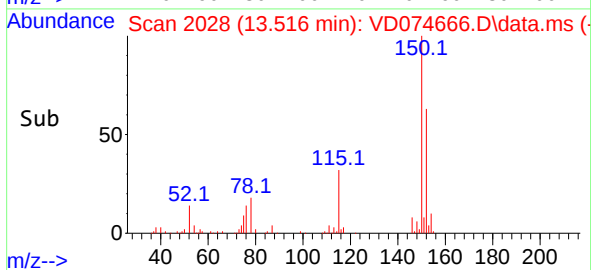
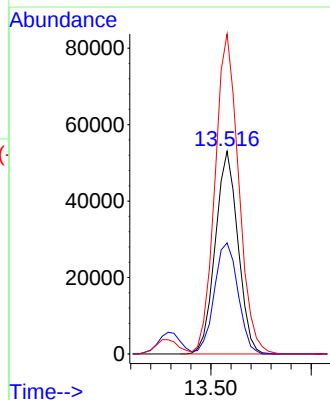
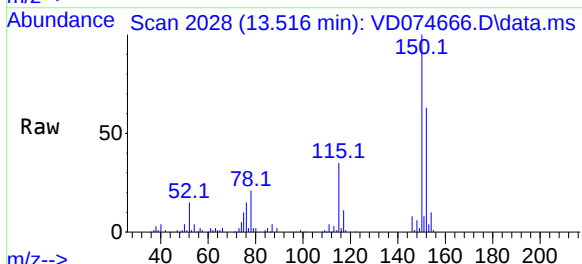
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

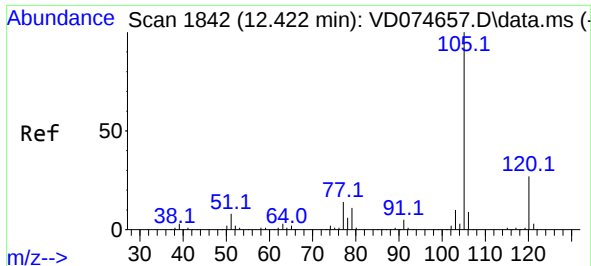
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 12947 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.2  | 23.1  | 69.3  |
| 254       | 0.0   | 0.0   | 0.0   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 83158 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 57.5  | 26.8  | 80.4  |
| 150       | 165.2 | 0.0   | 348.2 |

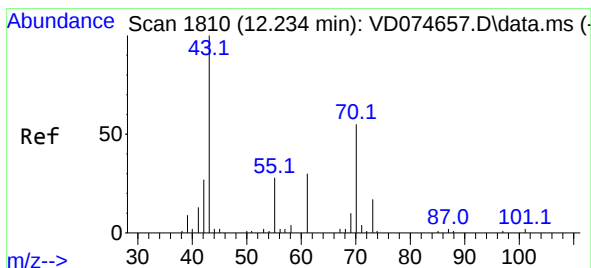
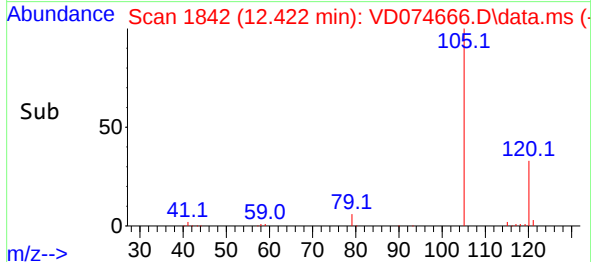
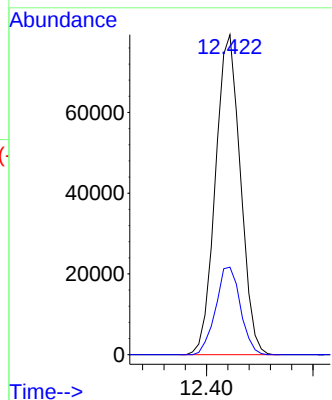
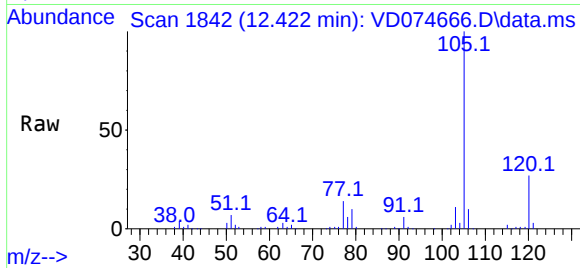




#73  
Isopropylbenzene  
Concen: 21.728 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

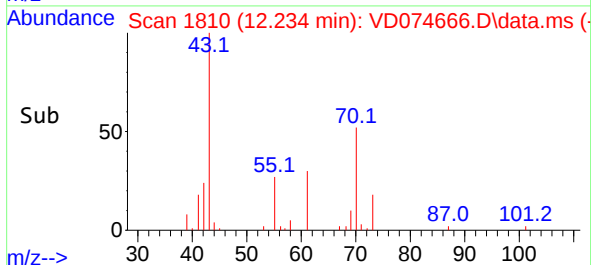
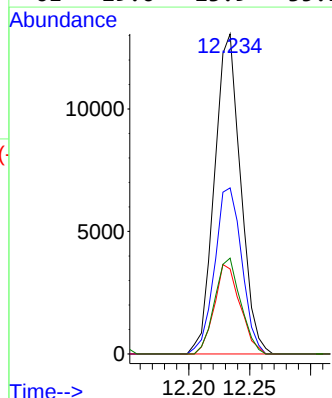
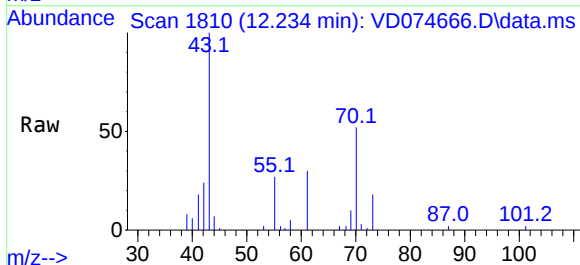
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

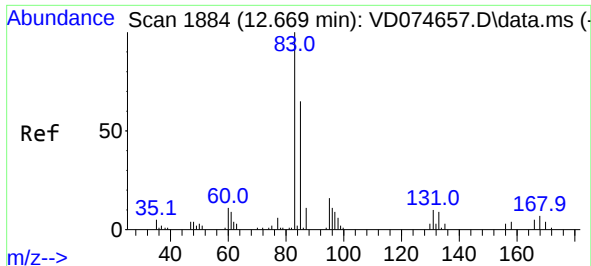
Tgt Ion:105 Resp: 128846  
Ion Ratio Lower Upper  
105 100  
120 27.1 13.5 40.4



#74  
N-ethyl acetate  
Concen: 20.857 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 43 Resp: 19483  
Ion Ratio Lower Upper  
43 100  
70 54.0 43.8 65.6  
55 27.6 22.0 33.0  
61 29.6 23.9 35.9

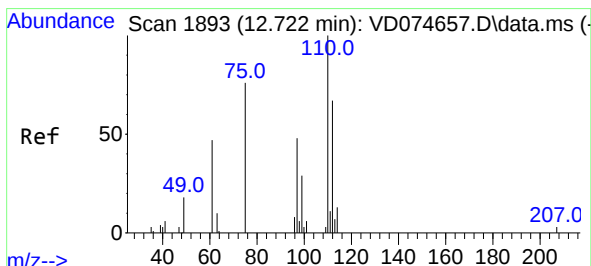
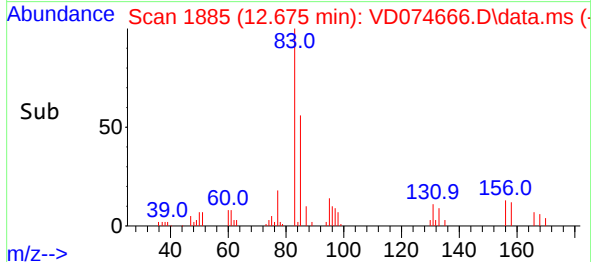
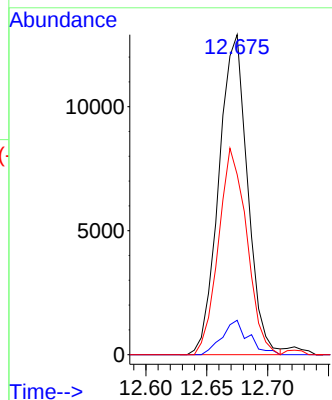
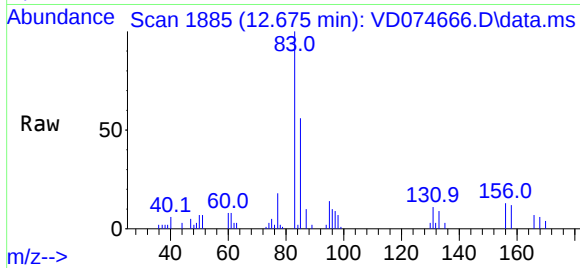




#75  
1,1,2,2-Tetrachloroethane  
Concen: 21.414 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. 0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

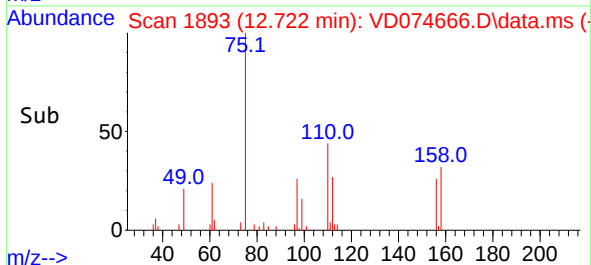
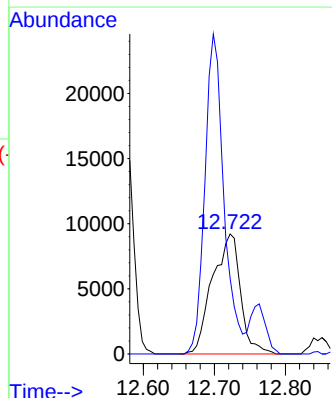
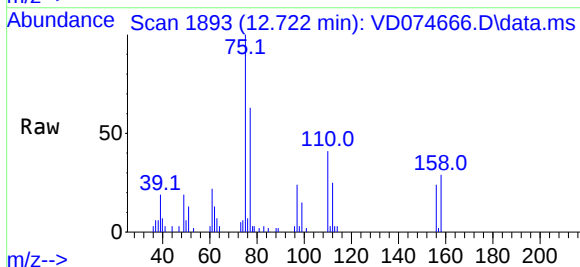
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

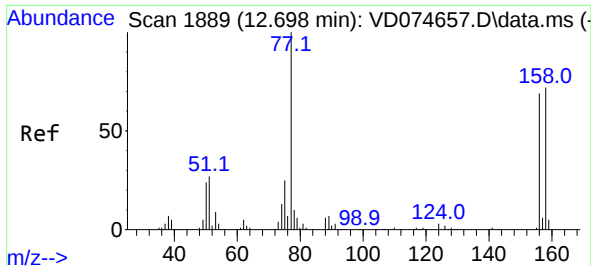
Tgt Ion: 83 Resp: 21120  
Ion Ratio Lower Upper  
83 100  
131 10.0 4.7 14.1  
85 63.8 33.1 99.2



#76  
1,2,3-Trichloropropane  
Concen: 38.931 ug/l  
RT: 12.722 min Scan# 1893  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 75 Resp: 25320  
Ion Ratio Lower Upper  
75 100  
77 0.0 185.8 557.5#

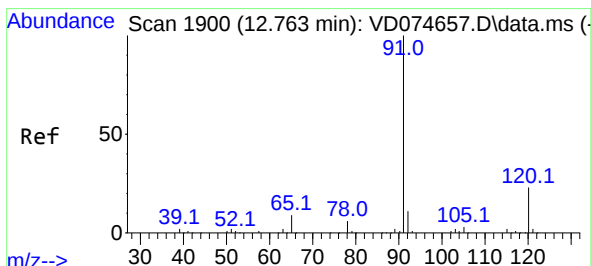
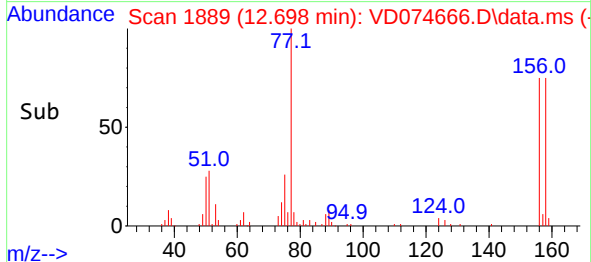
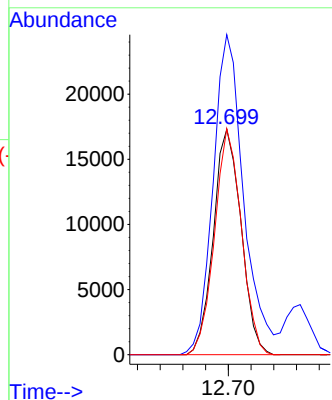
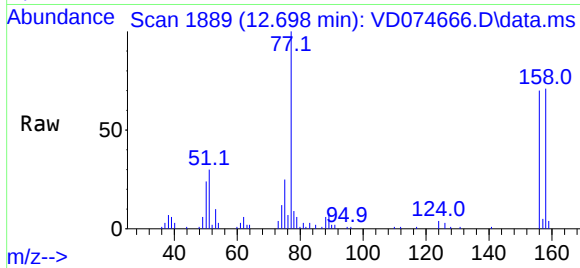




#77  
Bromobenzene  
Concen: 20.675 ug/l  
RT: 12.698 min Scan# 1889  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

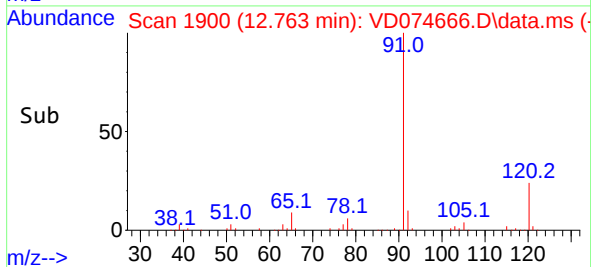
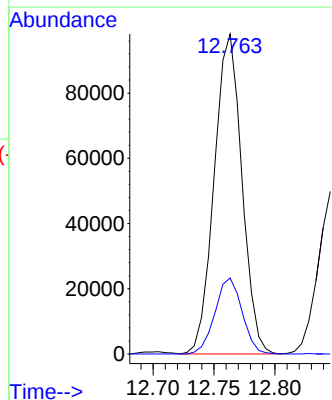
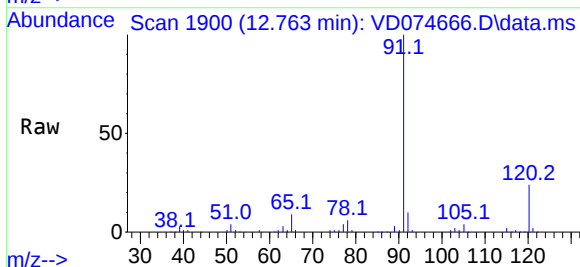
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

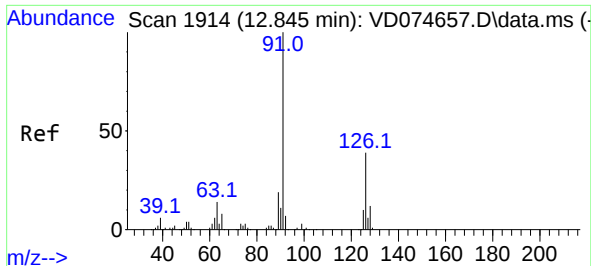
Tgt Ion:156 Resp: 29294  
Ion Ratio Lower Upper  
156 100  
77 156.0 77.7 233.1  
158 97.1 49.4 148.2



#78  
n-propylbenzene  
Concen: 21.806 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 91 Resp: 155157  
Ion Ratio Lower Upper  
91 100  
120 23.2 11.9 35.7





#79

2-Chlorotoluene

Concen: 21.254 ug/l

RT: 12.846 min Scan# 1914

Delta R.T. 0.001 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

Instrument :

MSVOA\_D

ClientSampleId :

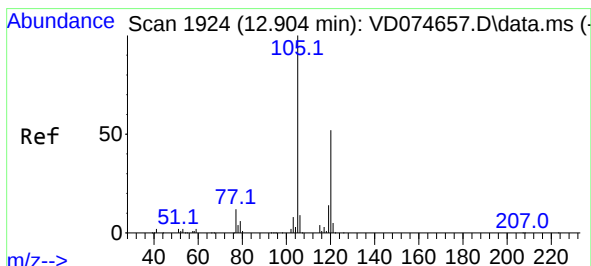
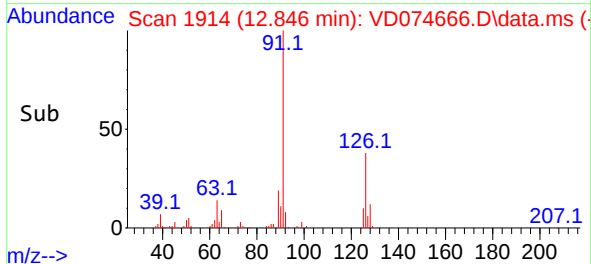
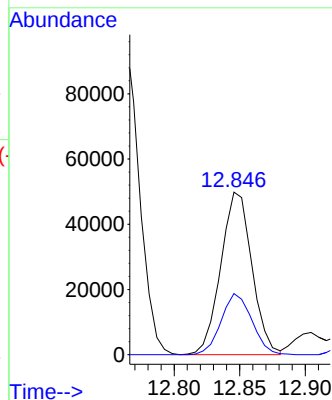
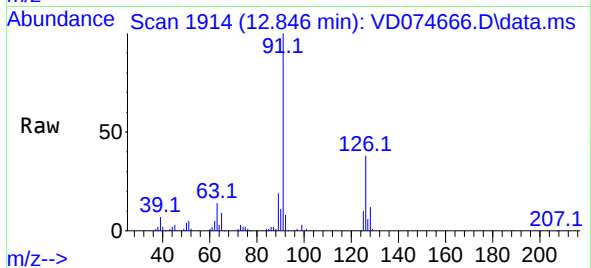
VD1028SBS01

Tgt Ion: 91 Resp: 82562

Ion Ratio Lower Upper

91 100

126 37.0 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 21.370 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD074666.D

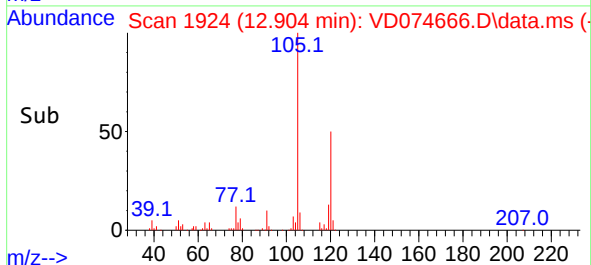
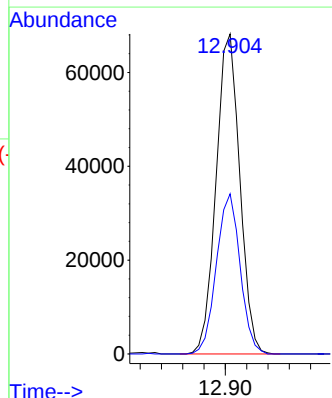
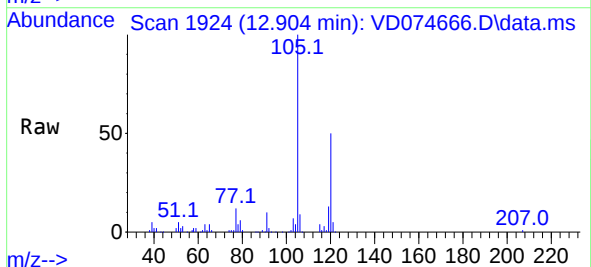
Acq: 28 Oct 2022 12:45

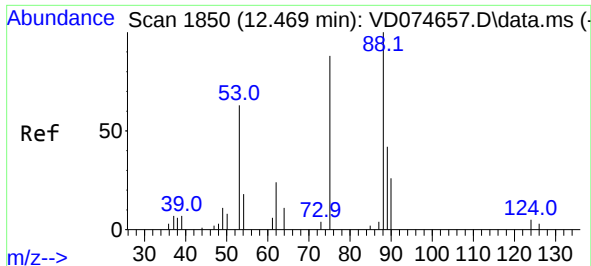
Tgt Ion:105 Resp: 105262

Ion Ratio Lower Upper

105 100

120 50.0 25.7 77.0

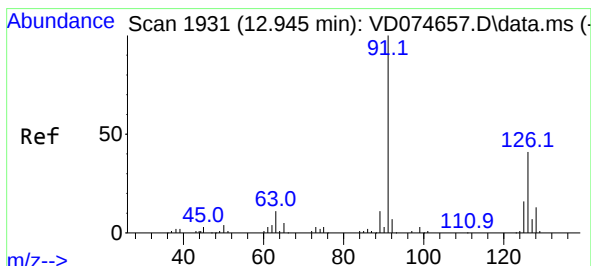
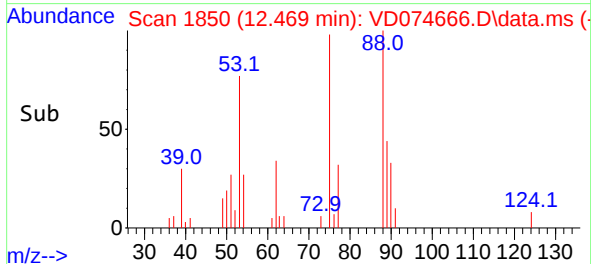
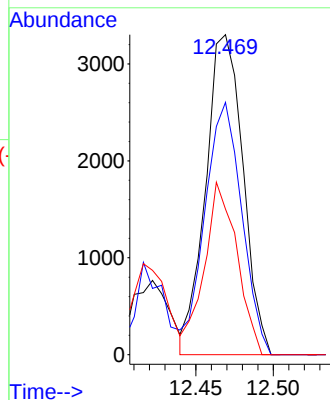
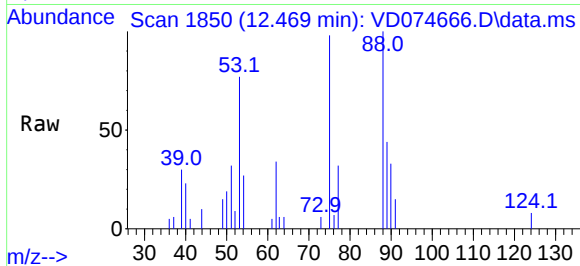




#81  
trans-1,4-Dichloro-2-butene  
Concen: 22.483 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

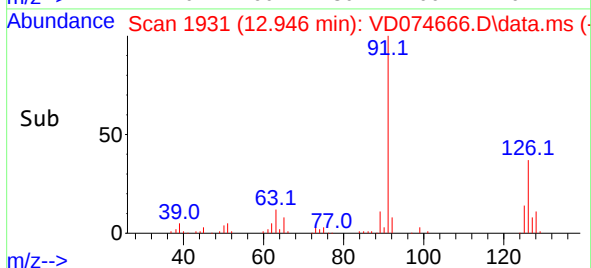
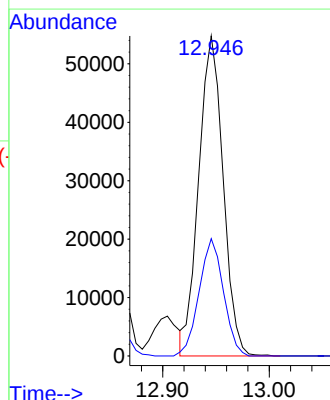
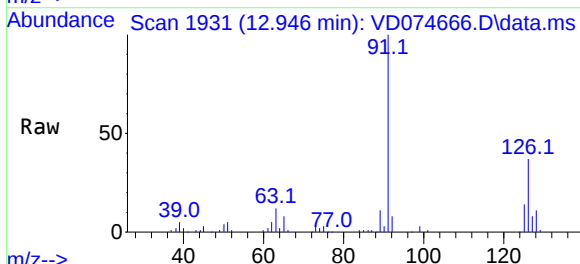
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

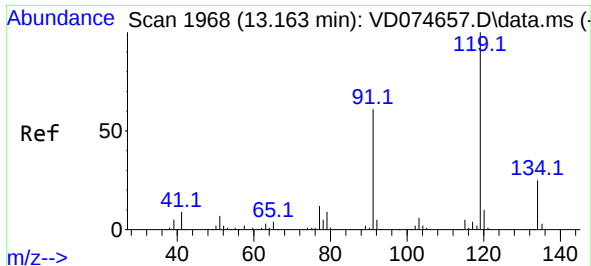
Tgt Ion: 75 Resp: 5525  
Ion Ratio Lower Upper  
75 100  
53 77.7 63.8 95.6  
89 47.2 38.2 57.4



#82  
4-Chlorotoluene  
Concen: 21.797 ug/l  
RT: 12.946 min Scan# 1931  
Delta R.T. 0.001 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 91 Resp: 87418  
Ion Ratio Lower Upper  
91 100  
126 36.5 18.8 56.4

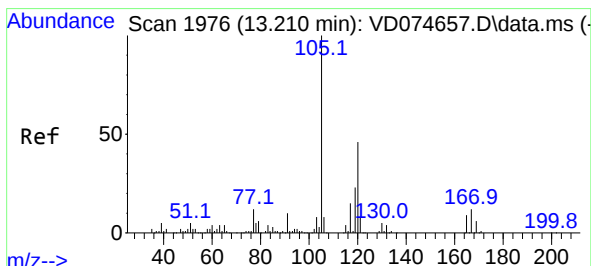
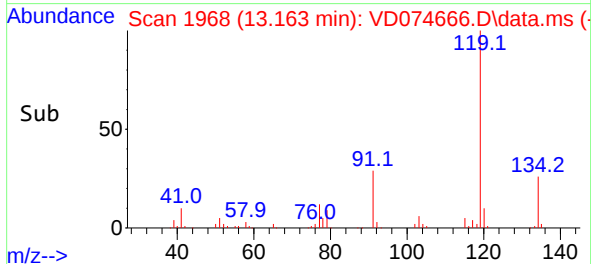
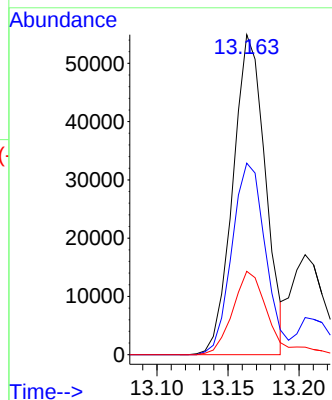
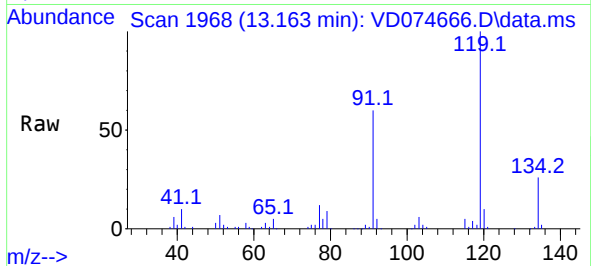




#83  
tert-Butylbenzene  
Concen: 19.977 ug/l  
RT: 13.163 min Scan# 1968  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

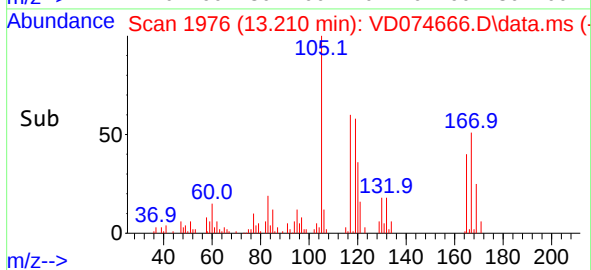
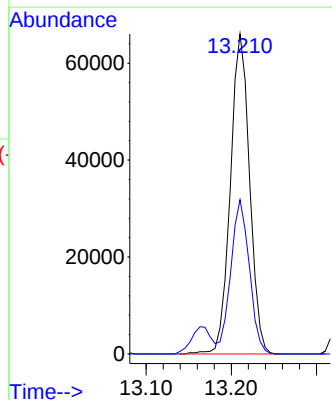
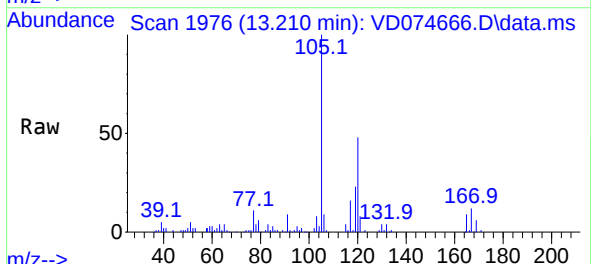
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

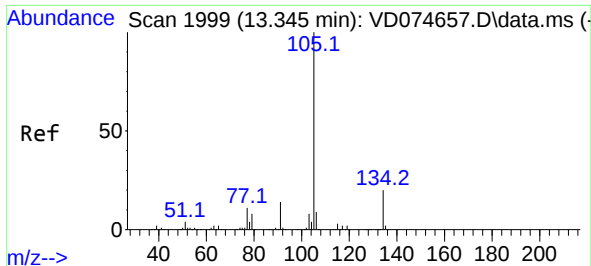
Tgt Ion:119 Resp: 87320  
Ion Ratio Lower Upper  
119 100  
91 62.1 30.0 90.0  
134 28.5 13.4 40.1



#84  
1,2,4-Trimethylbenzene  
Concen: 21.270 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion:105 Resp: 103377  
Ion Ratio Lower Upper  
105 100  
120 46.7 22.9 68.7

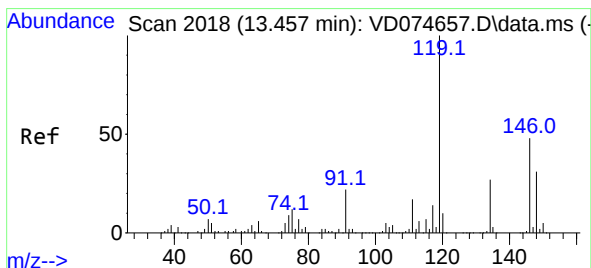
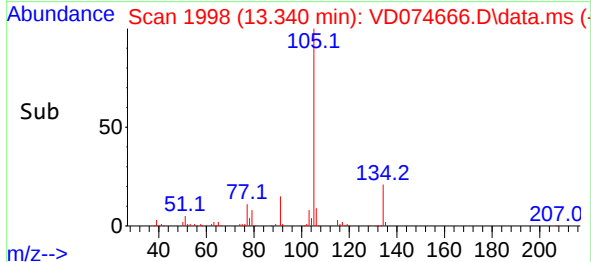
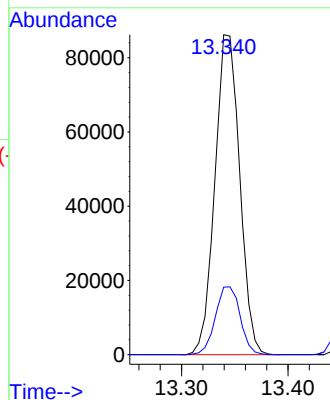
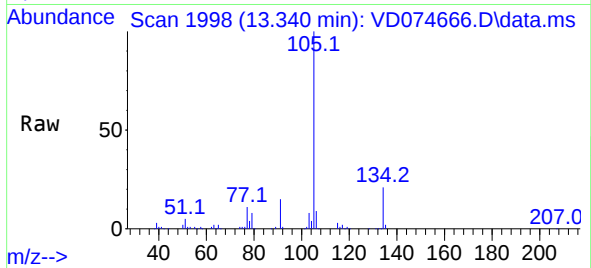




#85  
 sec-Butylbenzene  
 Concen: 21.718 ug/l  
 RT: 13.340 min Scan# 1999  
 Delta R.T. -0.005 min  
 Lab File: VD074666.D  
 Acq: 28 Oct 2022 12:45

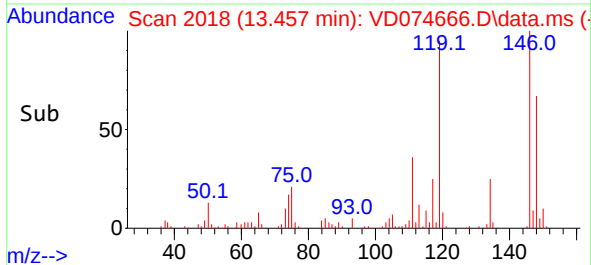
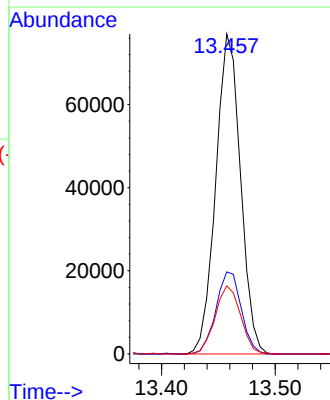
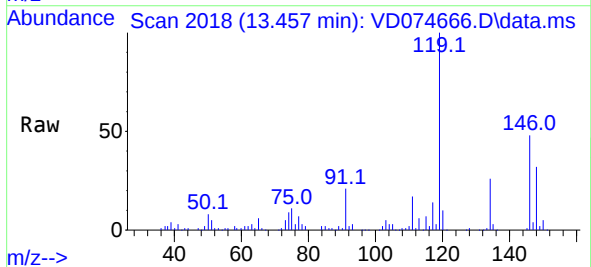
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1028SBSD01

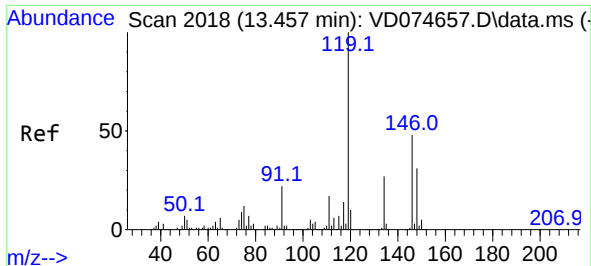
Tgt Ion:105 Resp: 139327  
 Ion Ratio Lower Upper  
 105 100  
 134 21.1 10.0 30.0



#86  
 p-Isopropyltoluene  
 Concen: 21.246 ug/l  
 RT: 13.457 min Scan# 2018  
 Delta R.T. 0.000 min  
 Lab File: VD074666.D  
 Acq: 28 Oct 2022 12:45

Tgt Ion:119 Resp: 116521  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 13.5 40.4  
 91 21.9 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 20.394 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

Instrument :

MSVOA\_D

ClientSampleId :

VD1028SBSD01

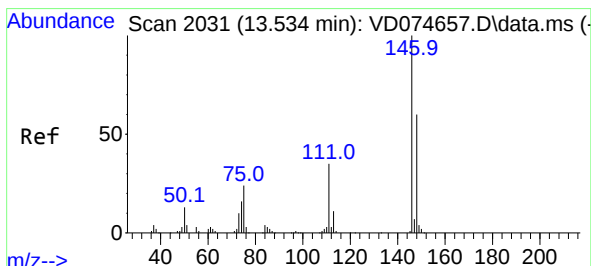
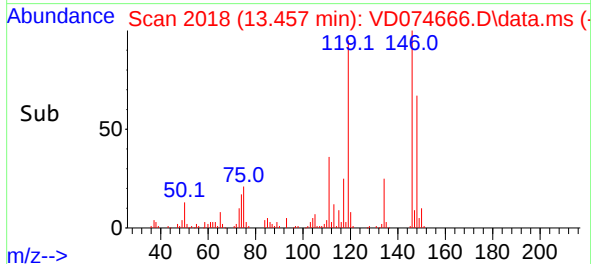
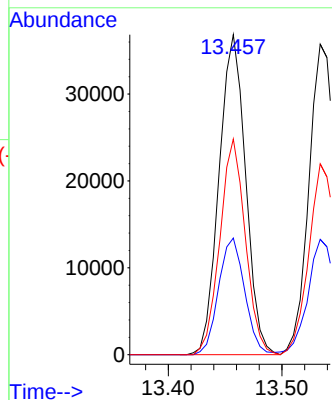
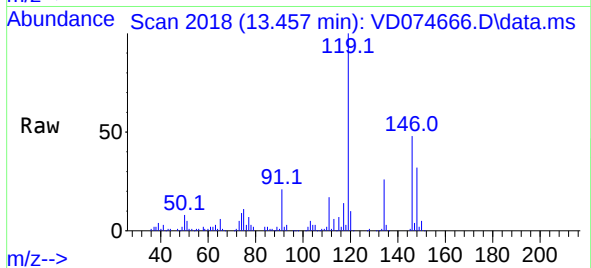
Tgt Ion:146 Resp: 59788

Ion Ratio Lower Upper

146 100

111 35.9 18.3 54.8

148 64.8 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 20.504 ug/l

RT: 13.534 min Scan# 2031

Delta R.T. -0.000 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

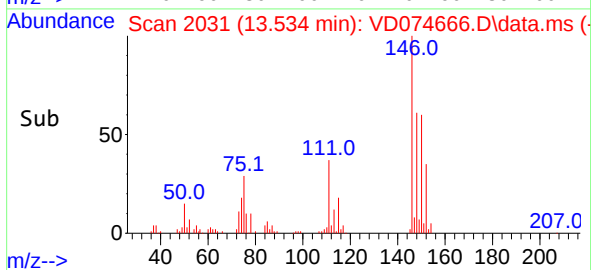
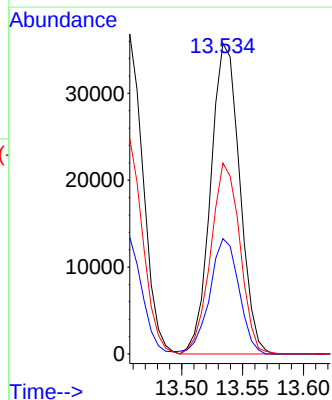
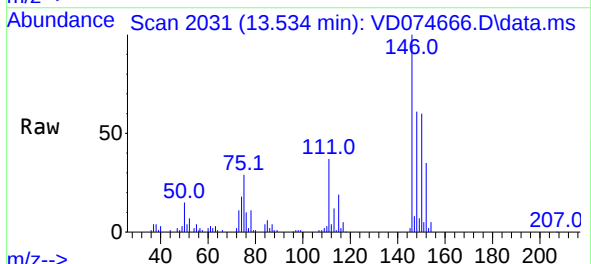
Tgt Ion:146 Resp: 59244

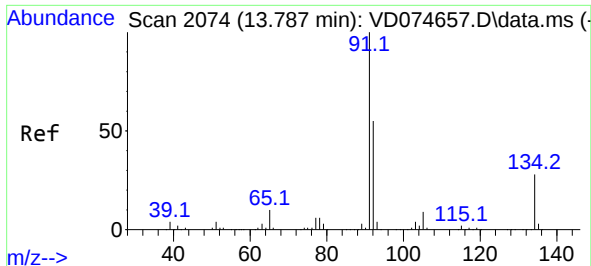
Ion Ratio Lower Upper

146 100

111 37.5 17.7 53.1

148 62.0 32.3 96.9

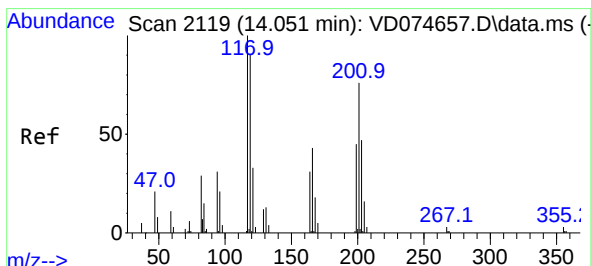
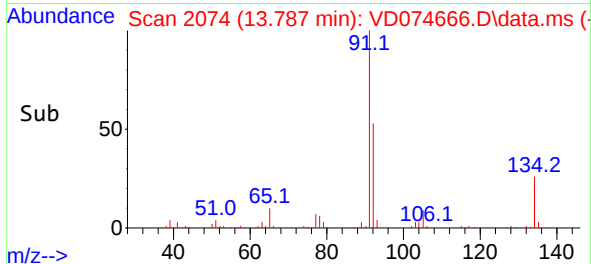
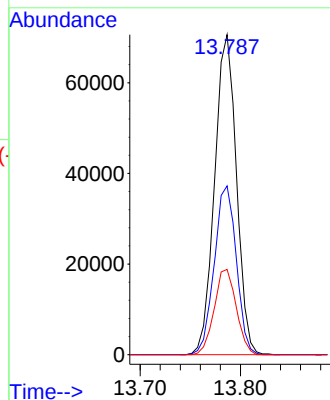
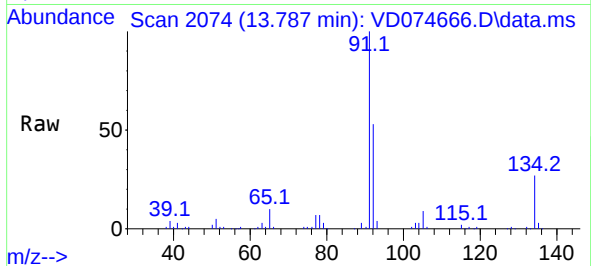




#89  
n-Butylbenzene  
Concen: 21.500 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

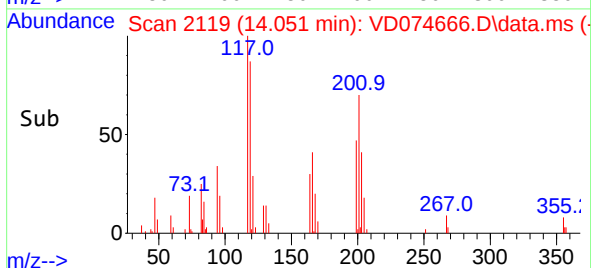
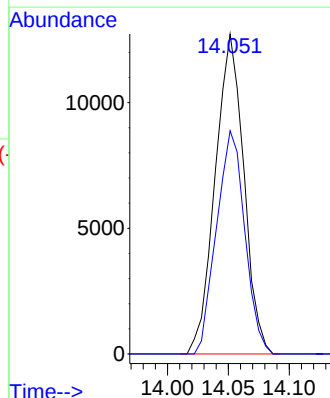
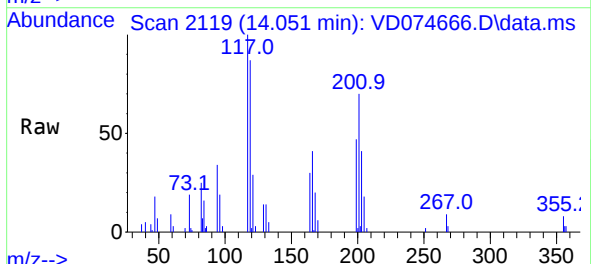
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

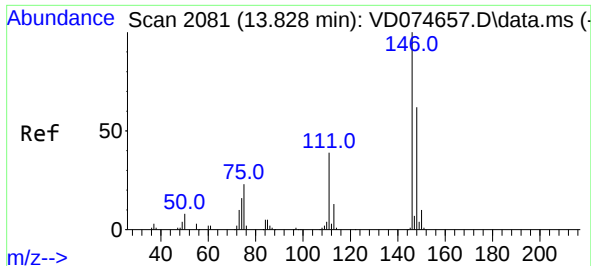
Tgt Ion: 91 Resp: 106797  
Ion Ratio Lower Upper  
91 100  
92 53.2 26.9 80.7  
134 26.9 13.4 40.2



#90  
Hexachloroethane  
Concen: 22.219 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Tgt Ion: 117 Resp: 20786  
Ion Ratio Lower Upper  
117 100  
201 69.0 38.0 114.0





#91

1,2-Dichlorobenzene

Concen: 20.528 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

Instrument :

MSVOA\_D

ClientSampleId :

VD1028SBSD01

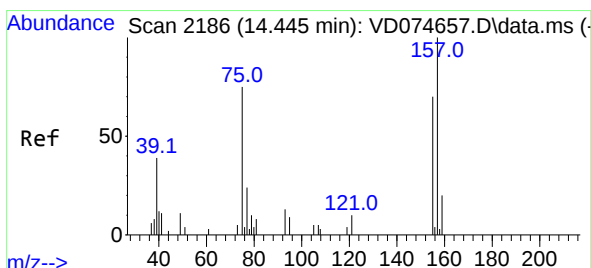
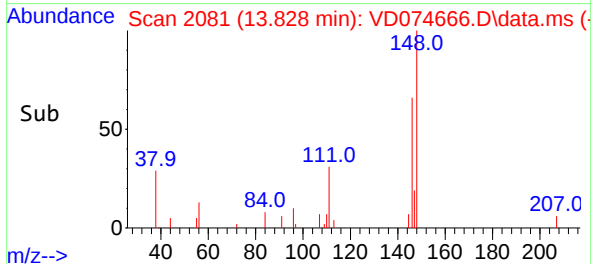
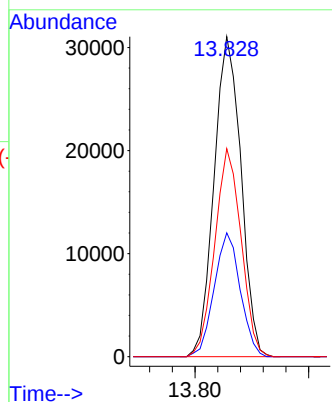
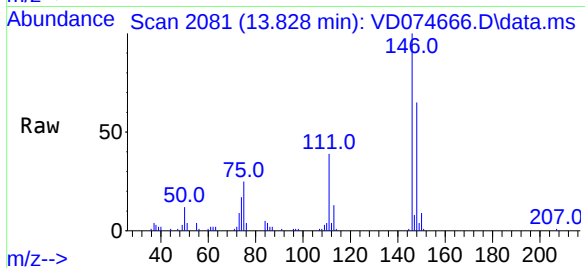
Tgt Ion:146 Resp: 51036

Ion Ratio Lower Upper

146 100

111 37.5 18.9 56.5

148 63.7 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.423 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD074666.D

Acq: 28 Oct 2022 12:45

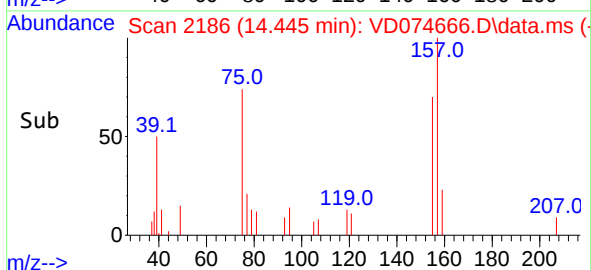
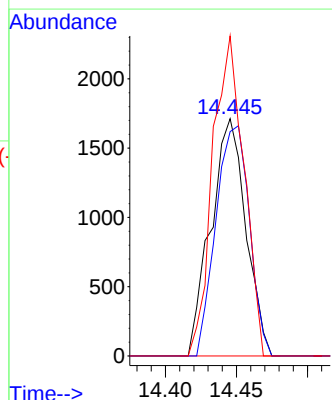
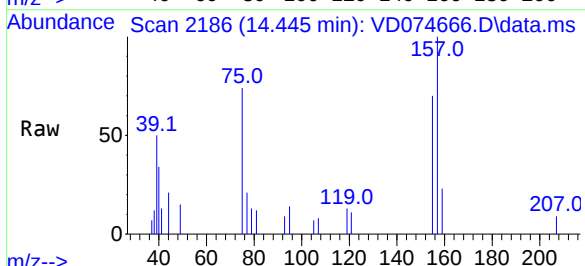
Tgt Ion: 75 Resp: 2942

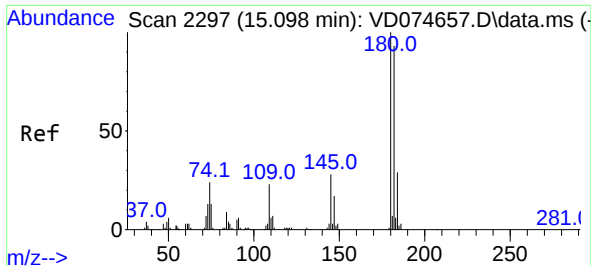
Ion Ratio Lower Upper

75 100

155 92.6 51.2 153.8

157 120.1 68.2 204.5

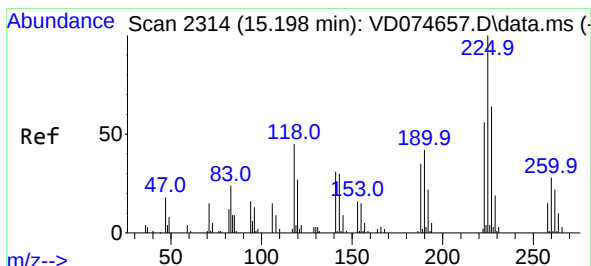
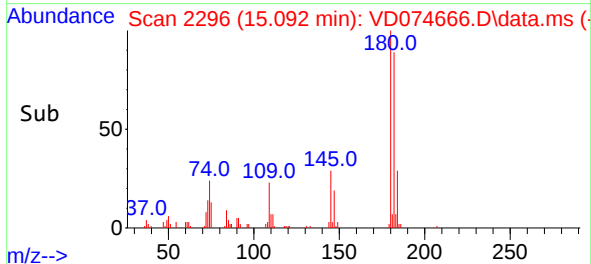
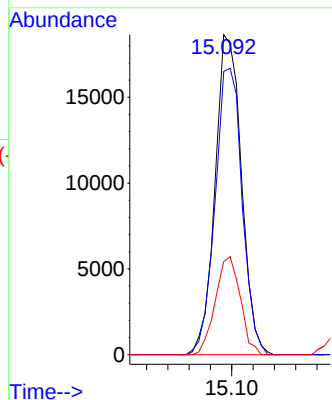
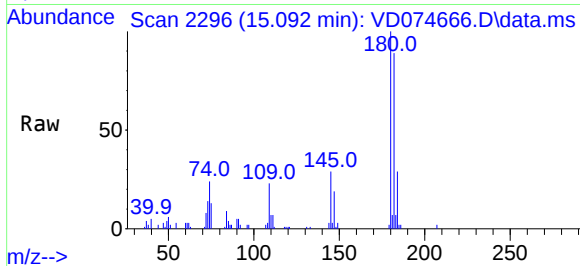




#93  
1,2,4-Trichlorobenzene  
Concen: 19.996 ug/l  
RT: 15.092 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

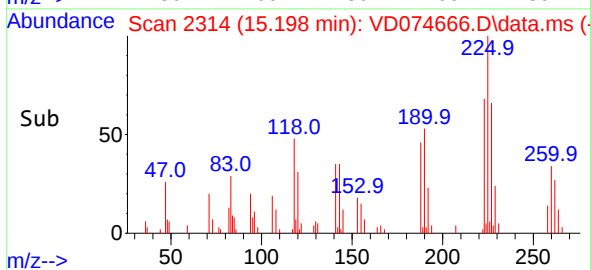
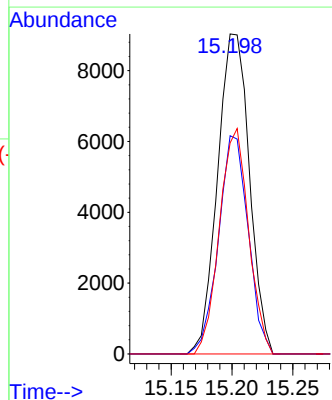
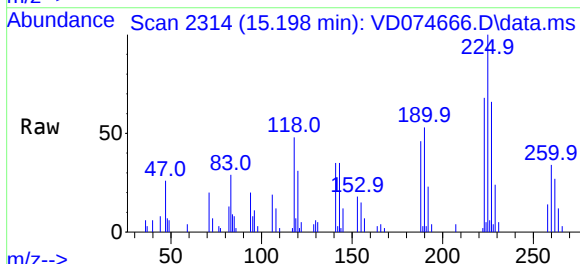
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

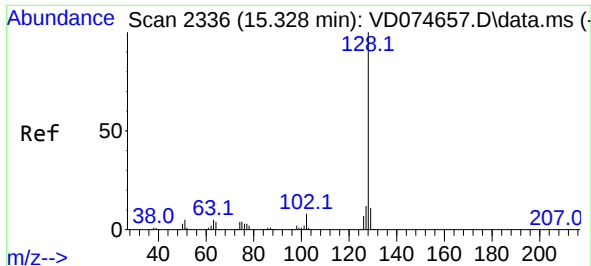
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 31906      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 92.1  | 46.9 140.6 |
| 145         | 29.1  | 14.1 42.3  |



#94  
Hexachlorobutadiene  
Concen: 20.215 ug/l  
RT: 15.198 min Scan# 2314  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 16459     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 63.6  | 31.9 95.5 |
| 227         | 64.5  | 32.6 97.8 |

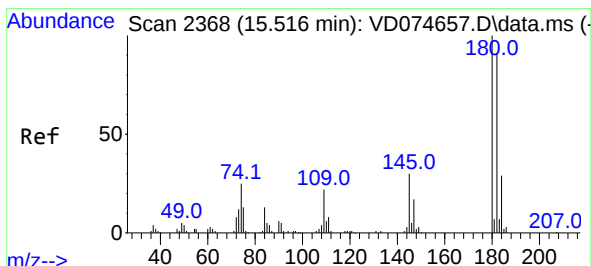
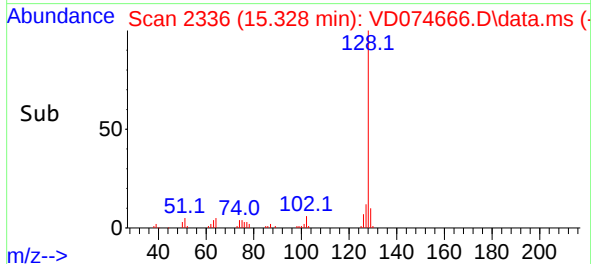
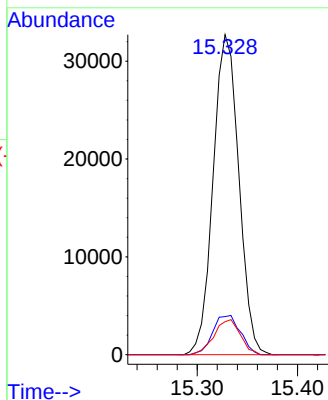
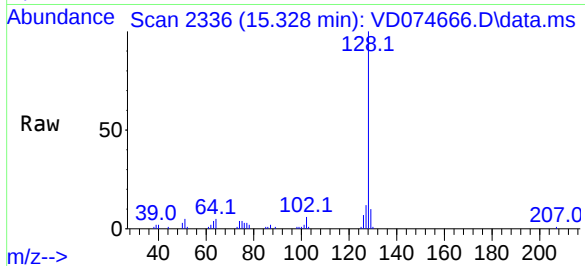




#95  
Naphthalene  
Concen: 19.834 ug/l  
RT: 15.328 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1028SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 58118 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.2  | 10.6  | 16.0  |
| 129       | 11.3  | 8.3   | 12.5  |



#96  
1,2,3-Trichlorobenzene  
Concen: 19.708 ug/l  
RT: 15.516 min Scan# 2368  
Delta R.T. 0.000 min  
Lab File: VD074666.D  
Acq: 28 Oct 2022 12:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 27071 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.0  | 46.7  | 140.1 |
| 145       | 31.0  | 14.9  | 44.7  |

