

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122722\  
 Data File : VD075053.D  
 Acq On : 27 Dec 2022 14:58  
 Operator : KP/SY  
 Sample : VD1227SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBS01

Quant Time: Dec 28 01:52:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12222S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 23 05:54:19 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.875  | 168   | 135701   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775  | 114   | 243111   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 210207   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522 | 152   | 91374    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.228  | 65    | 68904    | 51.947   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 103.900% |          |
| 35) Dibromofluoromethane     | 7.804  | 113   | 75482    | 52.764   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 105.520% |          |
| 50) Toluene-d8               | 10.269 | 98    | 297913   | 51.540   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 103.080% |          |
| 62) 4-Bromofluorobenzene     | 12.575 | 95    | 97260    | 51.939   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 103.880% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.928  | 85    | 17453    | 25.211   | ug/l       | 98       |
| 3) Chloromethane             | 2.146  | 50    | 31376    | 26.532   | ug/l       | 98       |
| 4) Vinyl Chloride            | 2.281  | 62    | 29688    | 26.380   | ug/l       | 96       |
| 5) Bromomethane              | 2.675  | 94    | 13766    | 26.117   | ug/l       | 98       |
| 6) Chloroethane              | 2.828  | 64    | 17395    | 24.414   | ug/l       | 98       |
| 7) Trichlorofluoromethane    | 3.164  | 101   | 39159    | 22.673   | ug/l       | 99       |
| 8) Diethyl Ether             | 3.587  | 74    | 14128    | 21.333   | ug/l       | 80       |
| 9) 1,1,2-Trichlorotrifluo... | 3.963  | 101   | 26823    | 22.043   | ug/l       | 97       |
| 10) Methyl Iodide            | 4.163  | 142   | 21601    | 20.680   | ug/l       | 99       |
| 11) Tert butyl alcohol       | 5.069  | 59    | 10699    | 96.500   | ug/l #     | 89       |
| 12) 1,1-Dichloroethene       | 3.940  | 96    | 26796    | 22.790   | ug/l       | 90       |
| 13) Acrolein                 | 3.799  | 56    | 17287    | 108.253  | ug/l       | 97       |
| 14) Allyl chloride           | 4.558  | 41    | 46450    | 22.704   | ug/l #     | 91       |
| 15) Acrylonitrile            | 5.258  | 53    | 35080    | 104.608  | ug/l       | 99       |
| 16) Acetone                  | 4.022  | 43    | 33449    | 97.094   | ug/l       | 99       |
| 17) Carbon Disulfide         | 4.263  | 76    | 65538    | 28.090   | ug/l       | 99       |
| 18) Methyl Acetate           | 4.558  | 43    | 20164    | 22.506   | ug/l #     | 85       |
| 19) Methyl tert-butyl Ether  | 5.316  | 73    | 64309    | 20.592   | ug/l       | 95       |
| 20) Methylene Chloride       | 4.799  | 84    | 41264    | 23.424   | ug/l #     | 85       |
| 21) trans-1,2-Dichloroethene | 5.310  | 96    | 29648    | 22.721   | ug/l       | 88       |
| 22) Diisopropyl ether        | 6.216  | 45    | 91737    | 20.816   | ug/l #     | 94       |
| 23) Vinyl Acetate            | 6.157  | 43    | 218882   | 109.822  | ug/l #     | 92       |
| 24) 1,1-Dichloroethane       | 6.116  | 63    | 55240    | 21.460   | ug/l       | 100      |
| 25) 2-Butanone               | 7.087  | 43    | 46381    | 100.888  | ug/l #     | 84       |
| 26) 2,2-Dichloropropane      | 7.075  | 77    | 47948    | 20.852   | ug/l       | 98       |
| 27) cis-1,2-Dichloroethene   | 7.075  | 96    | 35608    | 21.633   | ug/l       | 89       |
| 28) Bromochloromethane       | 7.428  | 49    | 18739    | 21.030   | ug/l #     | 77       |
| 29) Tetrahydrofuran          | 7.452  | 42    | 27196    | 102.611  | ug/l #     | 82       |
| 30) Chloroform               | 7.599  | 83    | 53830    | 21.417   | ug/l       | 98       |
| 31) Cyclohexane              | 7.875  | 56    | 48299    | 23.851   | ug/l       | 90       |
| 32) 1,1,1-Trichloroethane    | 7.793  | 97    | 46534    | 21.396   | ug/l       | 95       |
| 36) 1,1-Dichloropropene      | 8.004  | 75    | 41025    | 22.202   | ug/l       | 98       |
| 37) Ethyl Acetate            | 7.163  | 43    | 17858    | 19.132   | ug/l       | 98       |
| 38) Carbon Tetrachloride     | 7.987  | 117   | 35161    | 22.006   | ug/l       | 98       |
| 39) Methylcyclohexane        | 9.275  | 83    | 52002    | 23.173   | ug/l       | 92       |
| 40) Benzene                  | 8.251  | 78    | 122618   | 21.796   | ug/l       | 98       |

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 Sample : VD1227SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBS01

Quant Time: Dec 28 01:52:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12222S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 23 05:54:19 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 11256    | 19.381  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 31907    | 22.230  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 39343    | 20.952  | ug/l # | 90       |
| 44) Trichloroethene           | 9.028  | 130  | 33594    | 21.681  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 31616    | 20.982  | ug/l   | 96       |
| 46) Dibromomethane            | 9.393  | 93   | 15709    | 20.962  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.587  | 83   | 39947    | 20.468  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.381  | 41   | 17563    | 20.591  | ug/l   | 86       |
| 49) 1,4-Dioxane               | 9.393  | 88   | 3775     | 399.715 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 94008    | 101.343 | ug/l   | 91       |
| 52) Toluene                   | 10.334 | 92   | 76737    | 21.421  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 38988    | 20.533  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 47913    | 20.939  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 22356    | 20.372  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 29196    | 20.212  | ug/l # | 78       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 38453    | 20.961  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 62694    | 105.738 | ug/l   | 93       |
| 59) 2-Hexanone                | 10.922 | 43   | 67713    | 100.381 | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.075 | 129  | 26375    | 20.979  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 21279    | 21.629  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.810 | 164  | 26674    | 21.679  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.610 | 112  | 81865    | 21.324  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 27378    | 20.593  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.687 | 91   | 148881   | 21.188  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.792 | 106  | 114028   | 42.802  | ug/l   | 100      |
| 69) o-Xylene                  | 12.122 | 106  | 54436    | 21.242  | ug/l   | 97       |
| 70) Styrene                   | 12.139 | 104  | 91233    | 21.175  | ug/l   | 97       |
| 71) Bromoform                 | 12.304 | 173  | 14884    | 20.634  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 143627   | 20.502  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 34916    | 19.636  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 25364    | 20.304  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 31422    | 33.538  | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 31596    | 21.129  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.763 | 91   | 178295   | 20.778  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 96362    | 20.556  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 118130   | 20.910  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 7607     | 18.818  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 97999    | 20.489  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 103116   | 20.617  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 113330   | 20.624  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 157882   | 20.561  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 125666   | 20.515  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 61394    | 21.013  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 60680    | 20.791  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.786 | 91   | 125127   | 20.452  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 21778    | 20.007  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 53763    | 20.825  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 3874     | 20.181  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 33672    | 19.850  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 16342    | 19.271  | ug/l   | 96       |
| 95) Naphthalene               | 15.333 | 128  | 72218    | 20.397  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 29588    | 20.324  | ug/l   | 98       |

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Sample : VD1227SBSD01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

Quant Time: Dec 28 01:52:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122222S.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 23 05:54:19 2022  
Response via : Initial Calibration

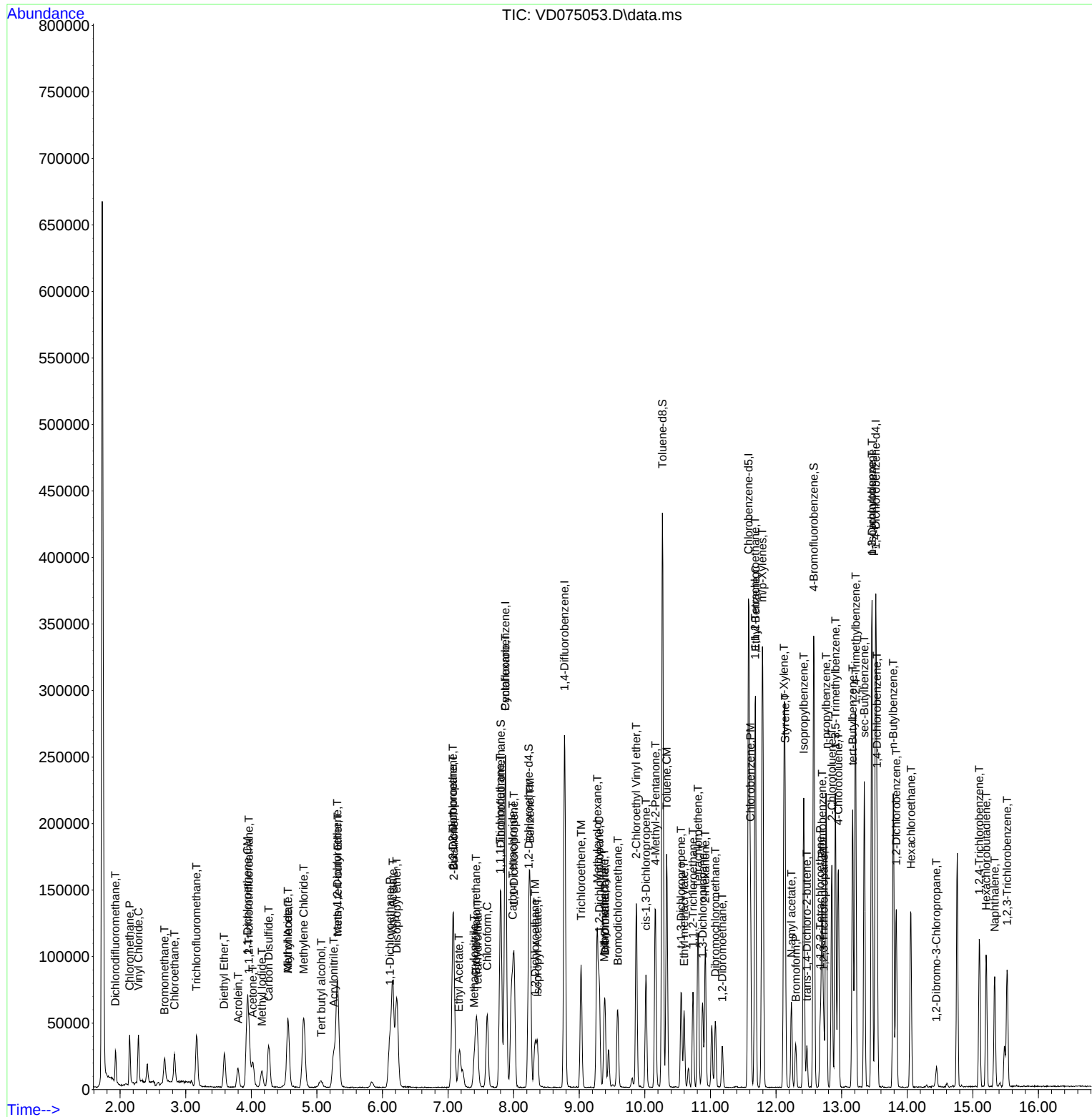
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

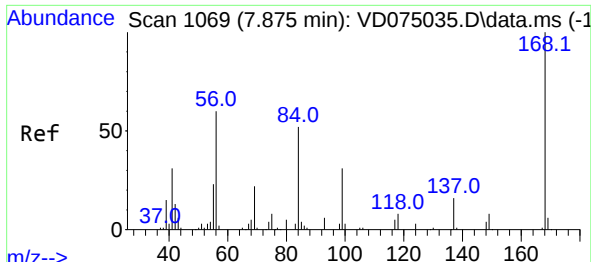
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 Data File : VD075053.D  
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 Sample : VD1227SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBS01

Quant Time: Dec 28 01:52:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122225.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 23 05:54:19 2022  
 Response via : Initial Calibration

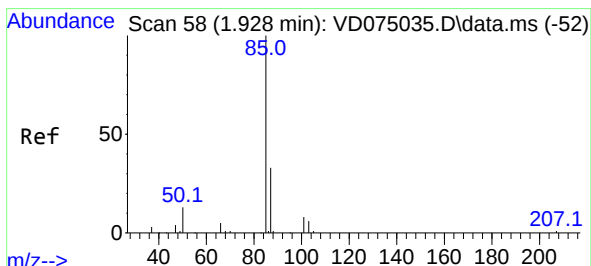
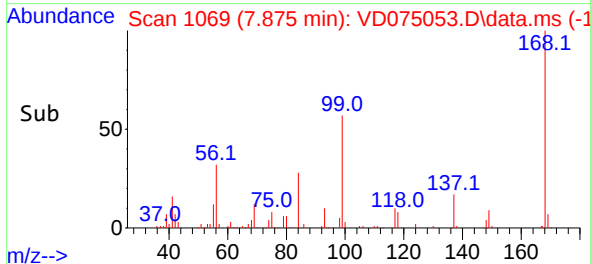
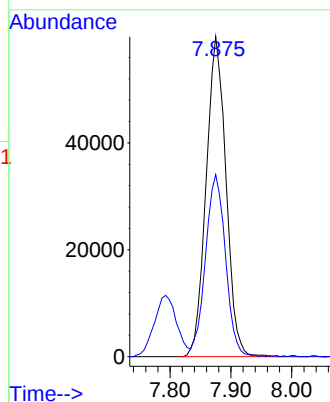
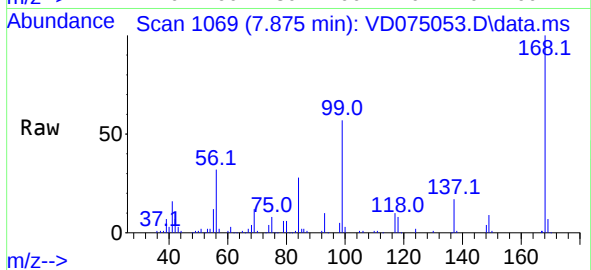




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

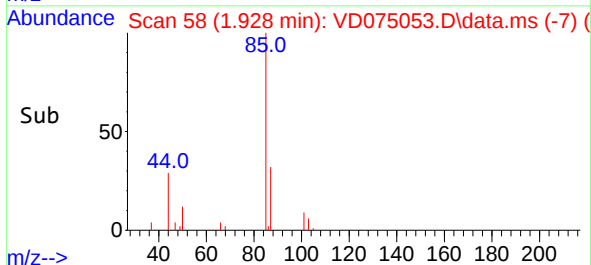
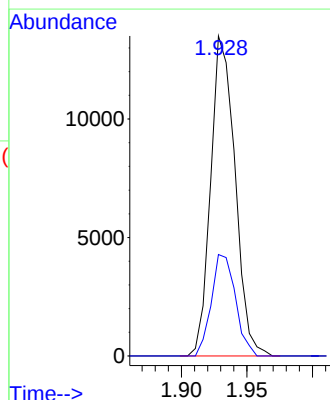
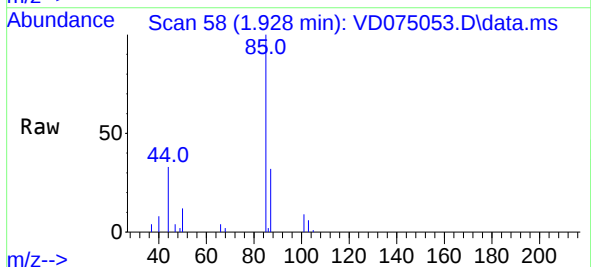
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

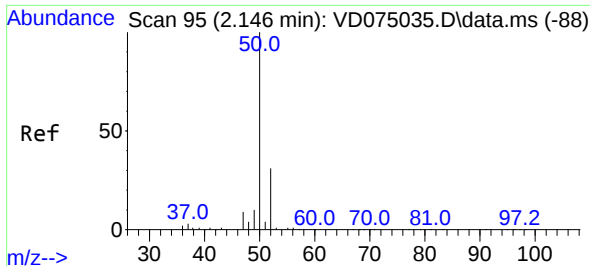
Tgt Ion:168 Resp: 135701  
Ion Ratio Lower Upper  
168 100  
99 56.9 40.3 60.5



#2  
Dichlorodifluoromethane  
Concen: 25.211 ug/l  
RT: 1.928 min Scan# 58  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 85 Resp: 17453  
Ion Ratio Lower Upper  
85 100  
87 31.7 16.5 49.5

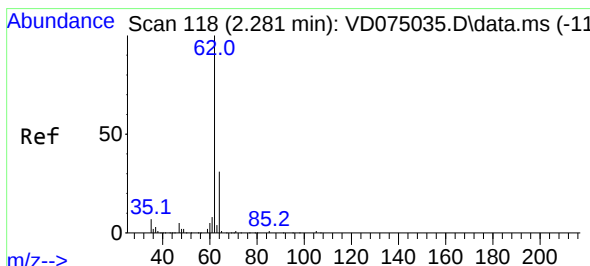
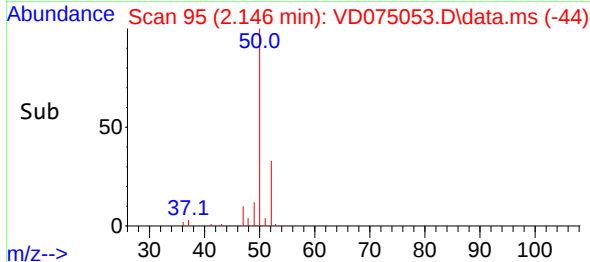
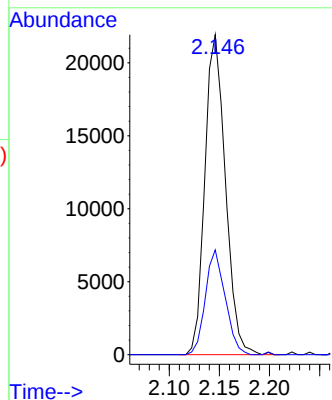
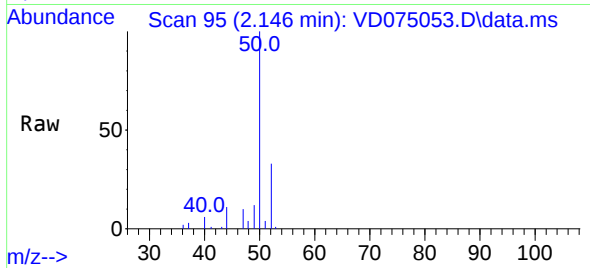




#3  
Chloromethane  
Concen: 26.532 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

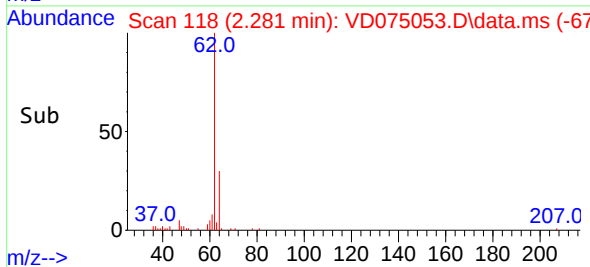
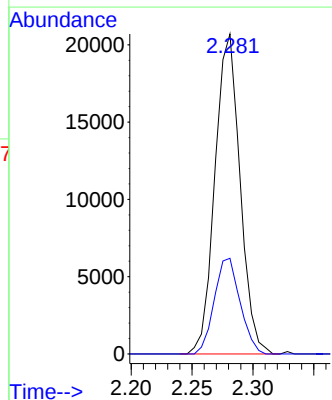
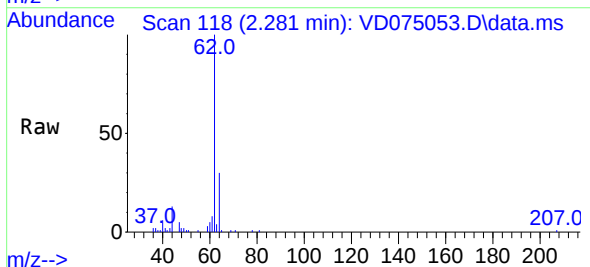
Instrument :  
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ClientSampleId :  
VD1227SBSD01

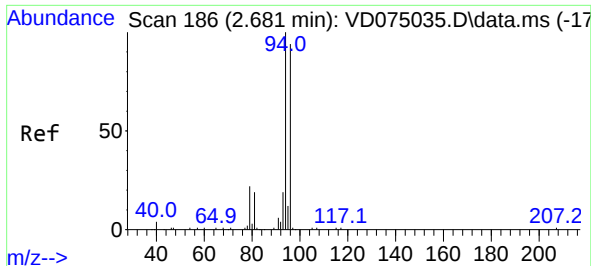
Tgt Ion: 50 Resp: 31376  
Ion Ratio Lower Upper  
50 100  
52 32.7 27.2 40.8



#4  
Vinyl Chloride  
Concen: 26.380 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 62 Resp: 29688  
Ion Ratio Lower Upper  
62 100  
64 29.9 25.8 38.6

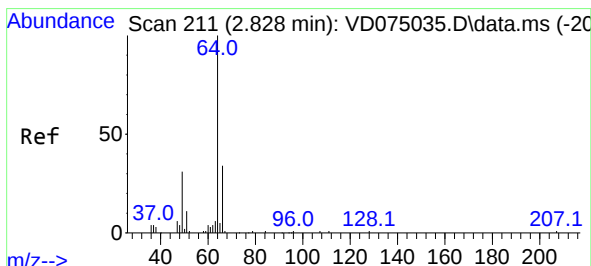
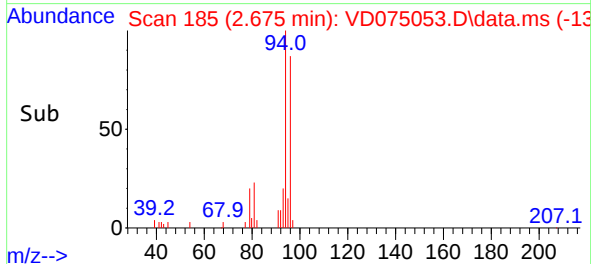
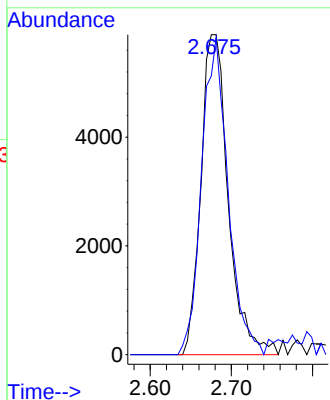
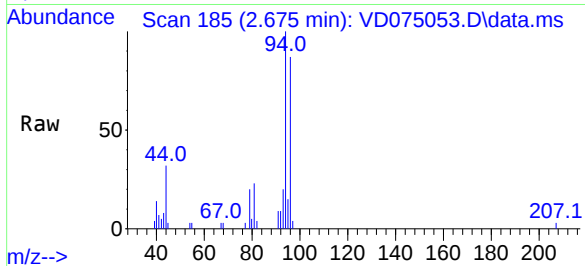




#5  
Bromomethane  
Concen: 26.117 ug/l  
RT: 2.675 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

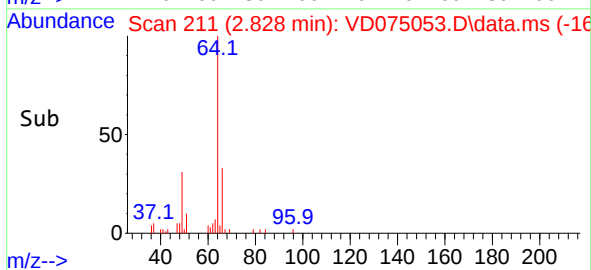
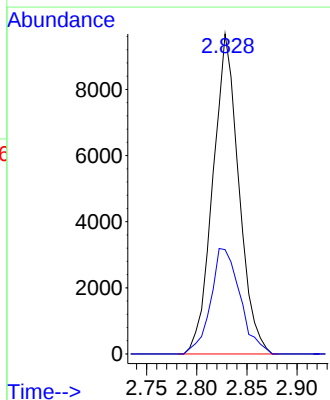
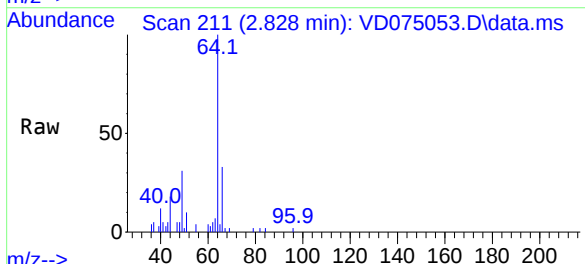
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

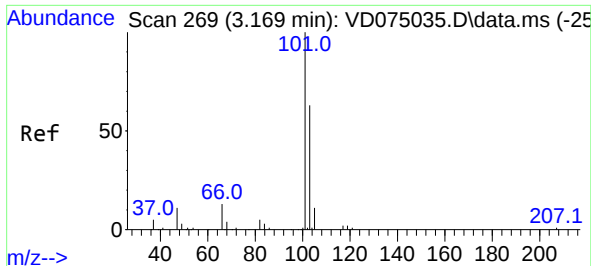
Tgt Ion: 94 Resp: 13766  
Ion Ratio Lower Upper  
94 100  
96 96.1 75.2 112.8



#6  
Chloroethane  
Concen: 24.414 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 64 Resp: 17395  
Ion Ratio Lower Upper  
64 100  
66 32.6 25.1 37.7

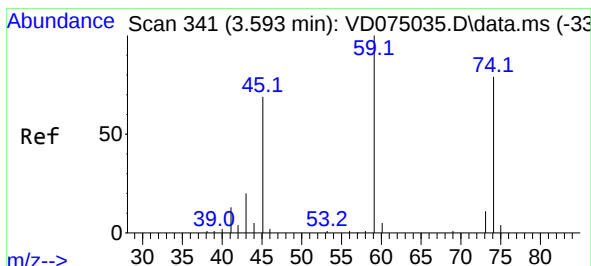
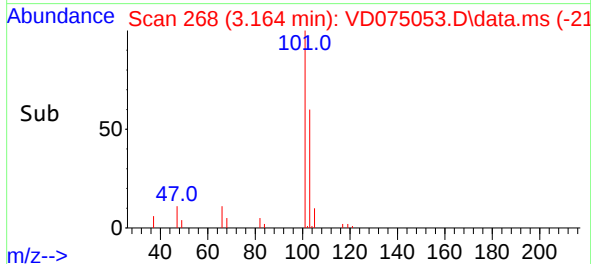
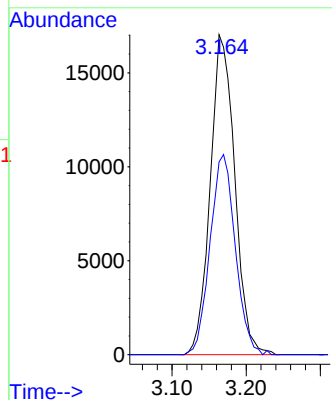
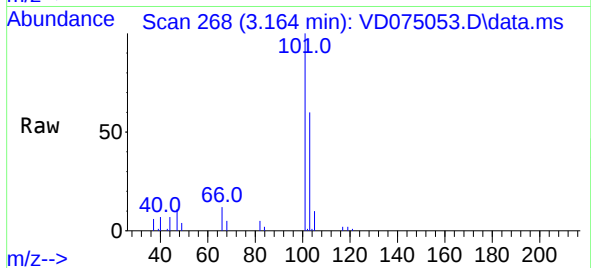




#7  
Trichlorofluoromethane  
Concen: 22.673 ug/l  
RT: 3.164 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

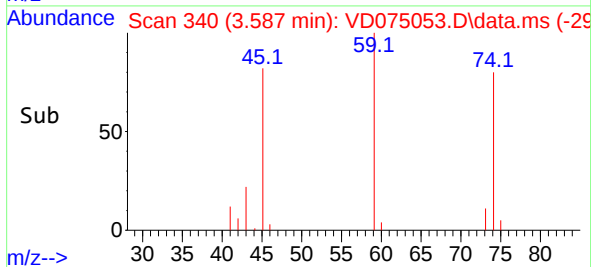
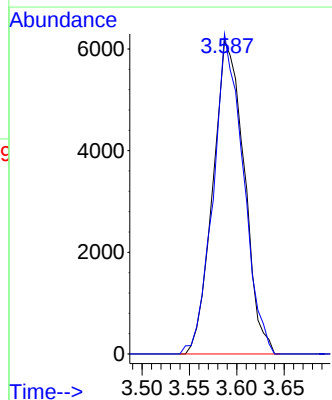
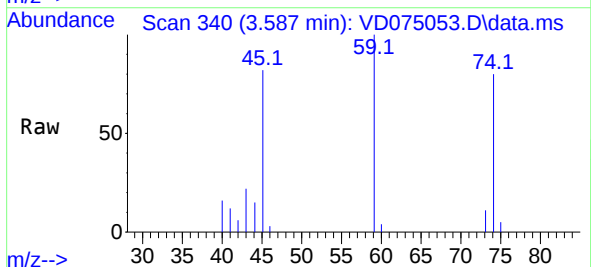
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

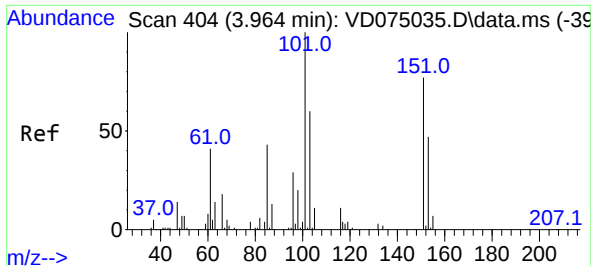
Tgt Ion:101 Resp: 39159  
Ion Ratio Lower Upper  
101 100  
103 60.3 49.1 73.7



#8  
Diethyl Ether  
Concen: 21.333 ug/l  
RT: 3.587 min Scan# 340  
Delta R.T. -0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 74 Resp: 14128  
Ion Ratio Lower Upper  
74 100  
45 98.1 40.2 120.5

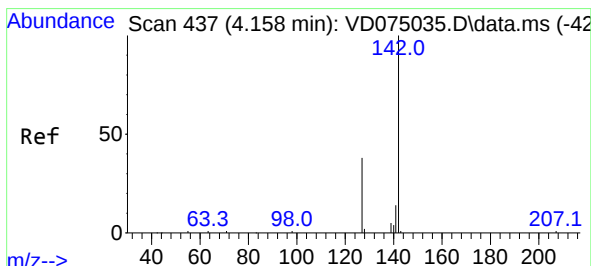
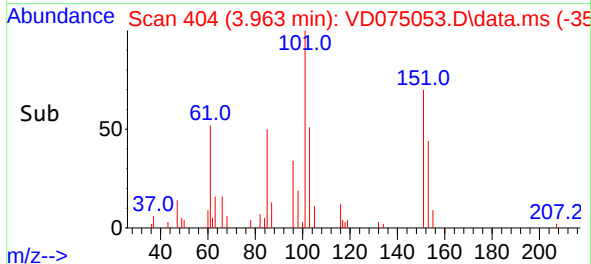
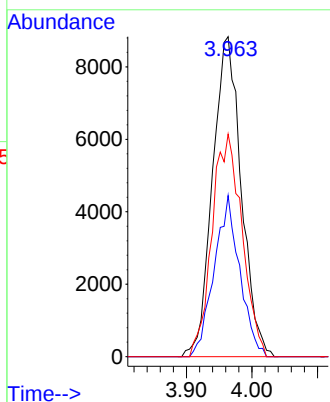
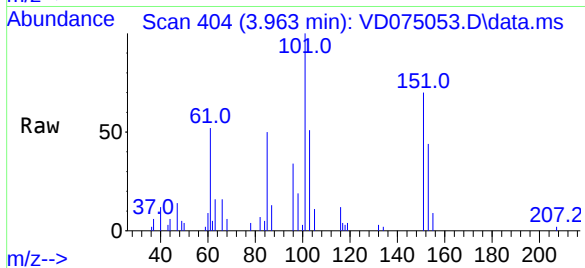




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 22.043 ug/l  
RT: 3.963 min Scan# 404  
Delta R.T. -0.001 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

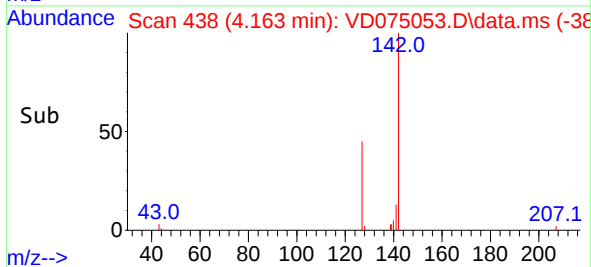
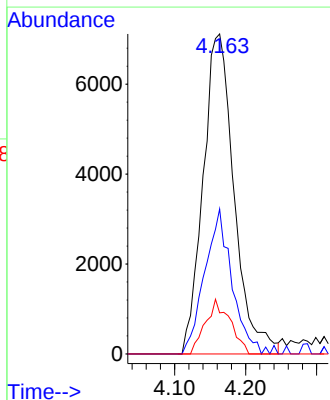
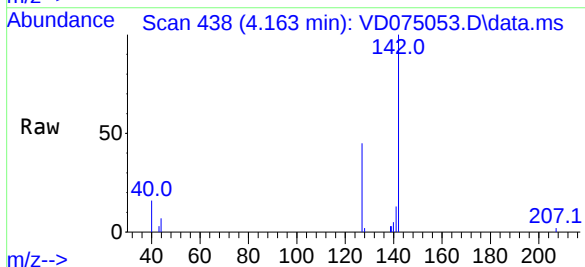
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

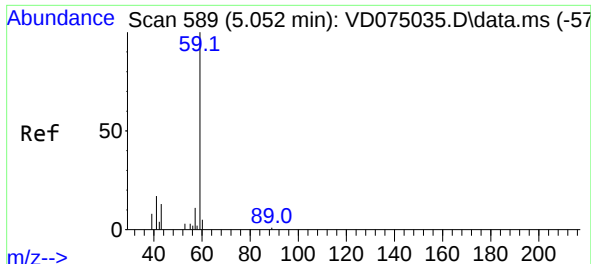
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:101 | Resp: | 26823       |
| Ion         | Ratio | Lower Upper |
| 101         | 100   |             |
| 85          | 44.9  | 33.4 50.0   |
| 151         | 72.6  | 58.9 88.3   |



#10  
Methyl Iodide  
Concen: 20.680 ug/l  
RT: 4.163 min Scan# 438  
Delta R.T. 0.005 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:142 | Resp: | 21601       |
| Ion         | Ratio | Lower Upper |
| 142         | 100   |             |
| 127         | 39.8  | 31.4 47.2   |
| 141         | 13.6  | 11.4 17.2   |





#11

Tert butyl alcohol

Concen: 96.500 ug/l

RT: 5.069 min Scan# 51

Delta R.T. 0.017 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

Instrument :

MSVOA\_D

ClientSampleId :

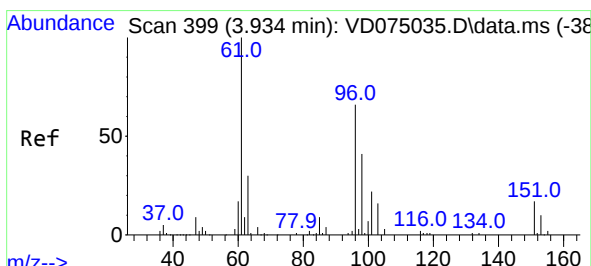
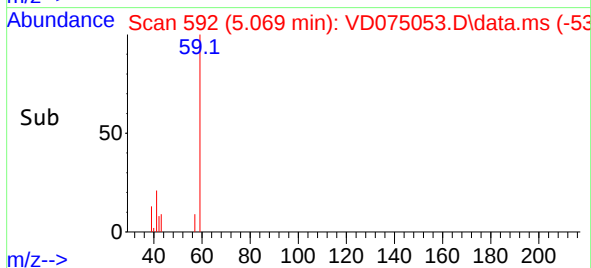
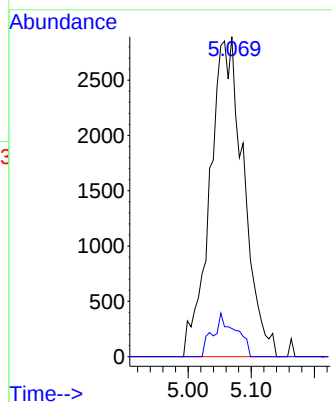
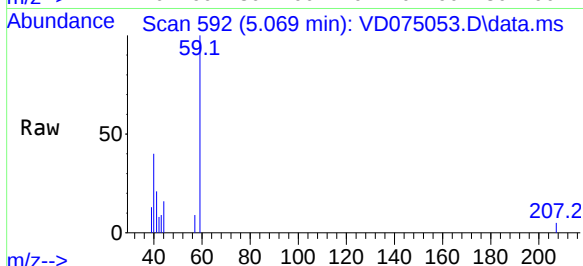
VD1227SBSD01

Tgt Ion: 59 Resp: 10699

Ion Ratio Lower Upper

59 100

57 9.2 4.3 6.5#



#12

1,1-Dichloroethene

Concen: 22.790 ug/l

RT: 3.940 min Scan# 400

Delta R.T. 0.006 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

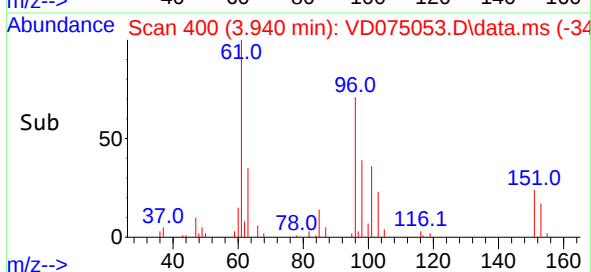
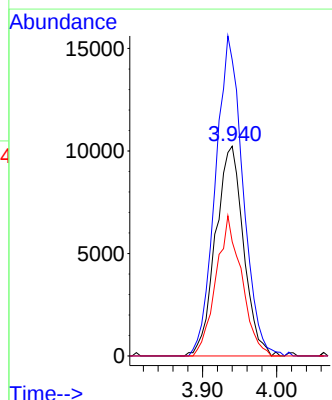
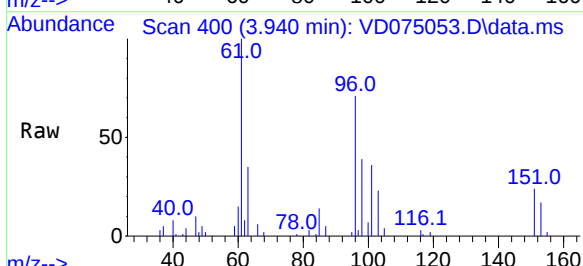
Tgt Ion: 96 Resp: 26796

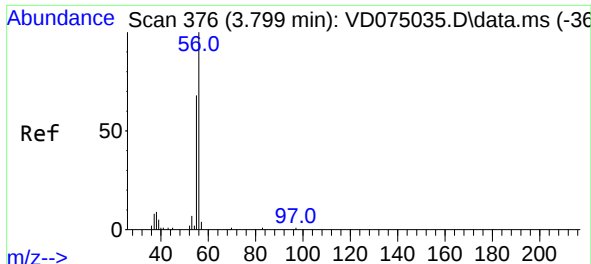
Ion Ratio Lower Upper

96 100

61 141.1 104.9 157.3

98 54.5 51.8 77.8

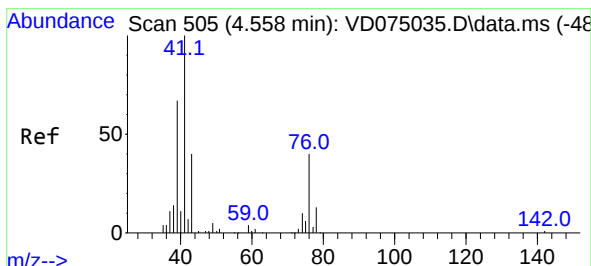
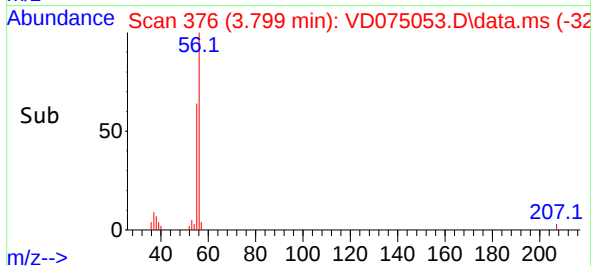
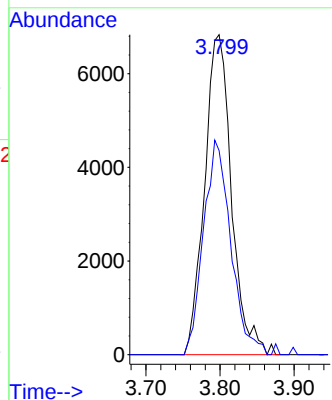
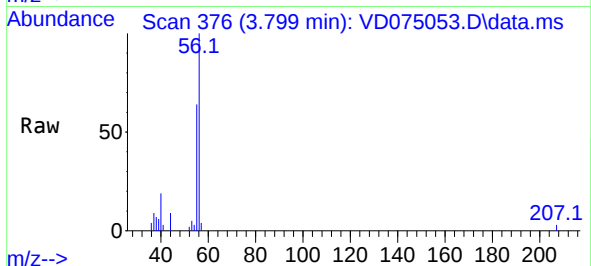




#13  
Acrolein  
Concen: 108.253 ug/l  
RT: 3.799 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

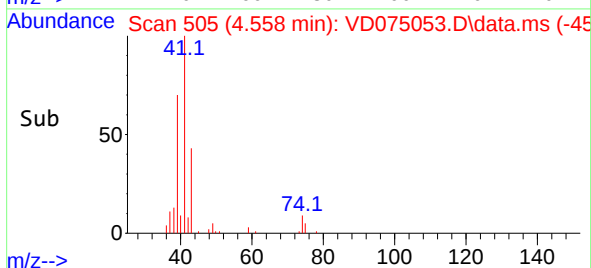
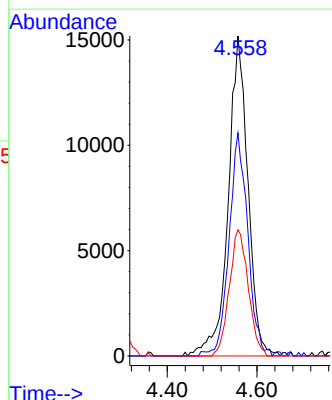
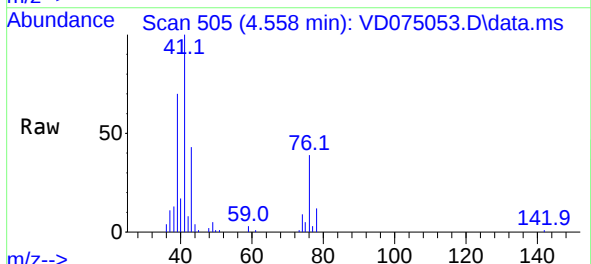
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

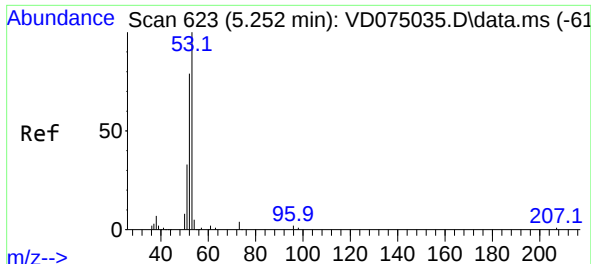
Tgt Ion: 56 Resp: 17287  
Ion Ratio Lower Upper  
56 100  
55 67.9 56.6 84.8



#14  
Allyl chloride  
Concen: 22.704 ug/l  
RT: 4.558 min Scan# 505  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 41 Resp: 46450  
Ion Ratio Lower Upper  
41 100  
39 66.2 52.5 78.7  
76 37.9 41.1 61.7#

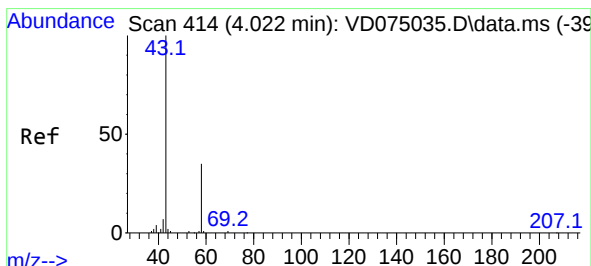
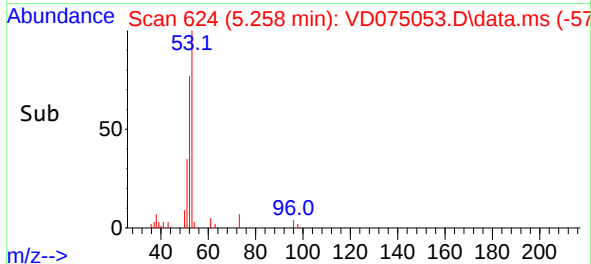
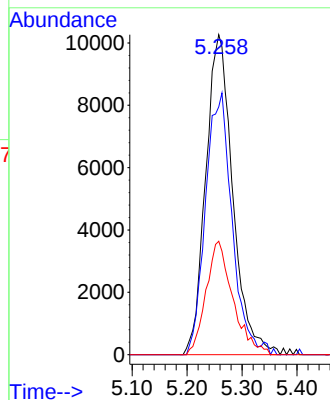
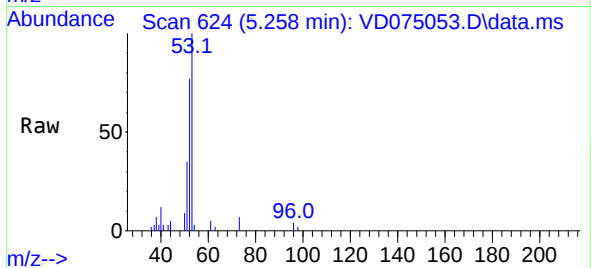




#15  
Acrylonitrile  
Concen: 104.608 ug/l  
RT: 5.258 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

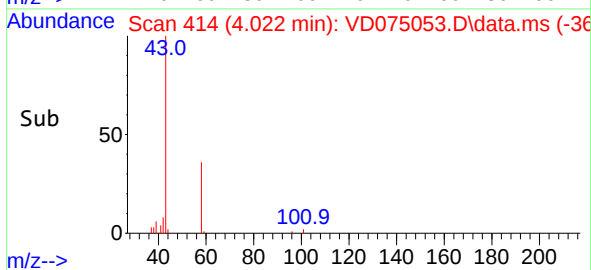
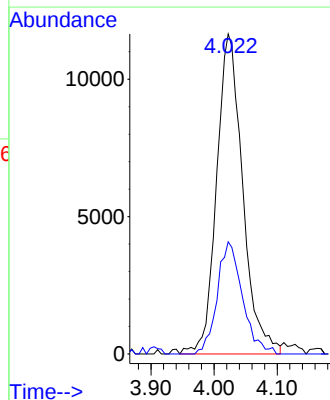
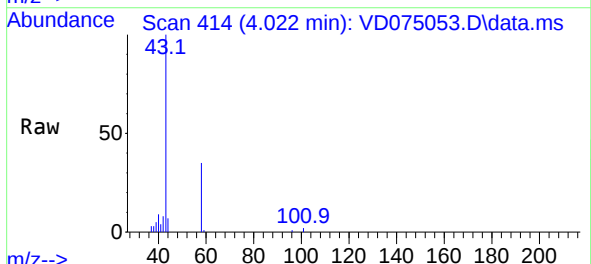
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

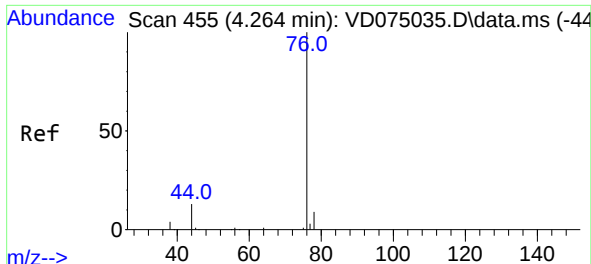
Tgt Ion: 53 Resp: 35080  
Ion Ratio Lower Upper  
53 100  
52 79.6 64.0 96.0  
51 35.3 27.8 41.8



#16  
Acetone  
Concen: 97.094 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 43 Resp: 33449  
Ion Ratio Lower Upper  
43 100  
58 35.1 28.6 43.0

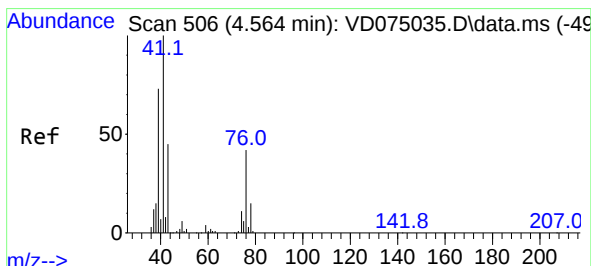
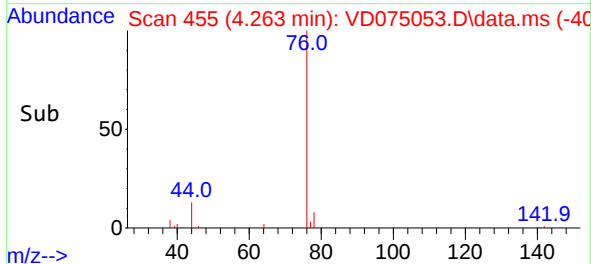
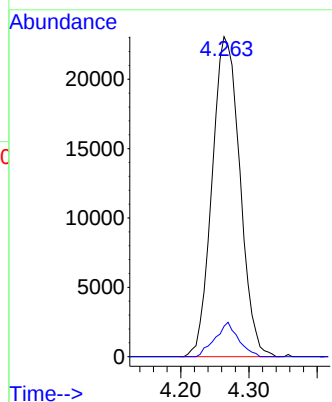
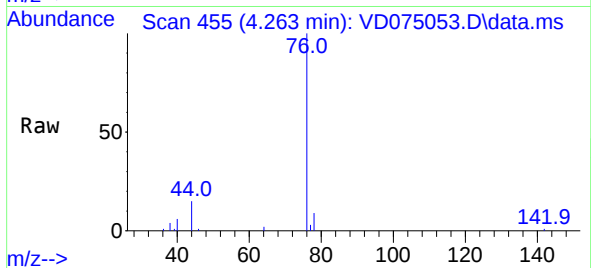




#17  
Carbon Disulfide  
Concen: 28.090 ug/l  
RT: 4.263 min Scan# 41  
Delta R.T. -0.001 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

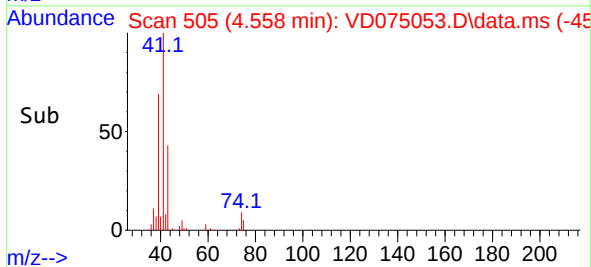
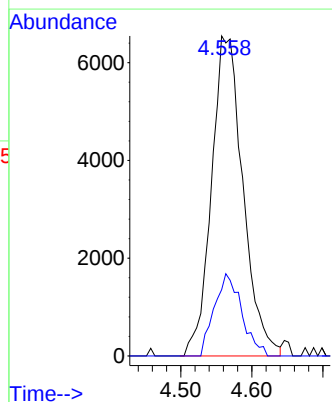
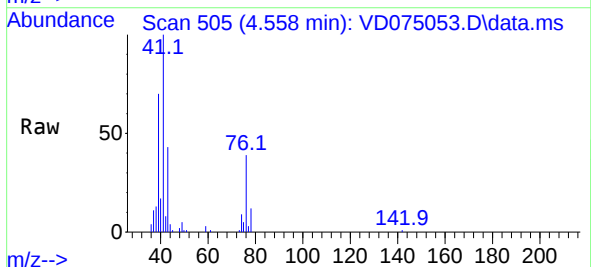
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

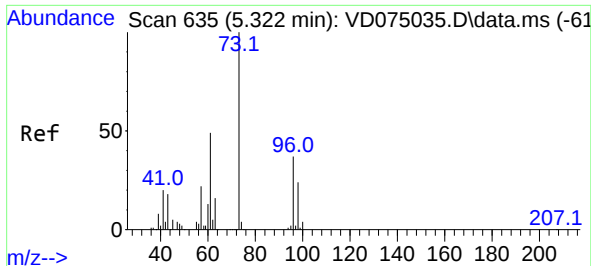
Tgt Ion: 76 Resp: 65538  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.2 10.8



#18  
Methyl Acetate  
Concen: 22.506 ug/l  
RT: 4.558 min Scan# 505  
Delta R.T. -0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 43 Resp: 20164  
Ion Ratio Lower Upper  
43 100  
74 22.3 24.5 36.7#

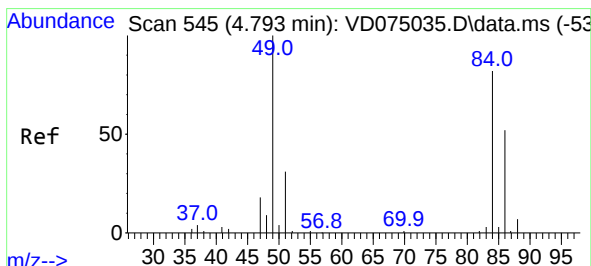
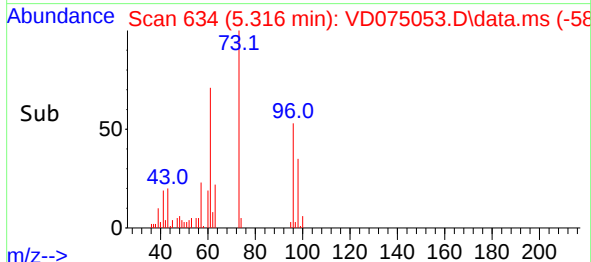
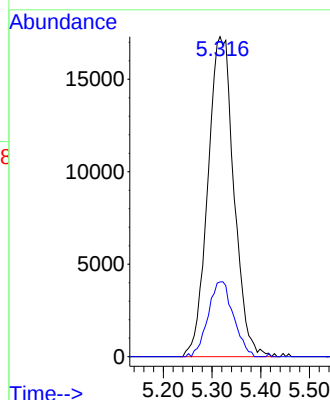
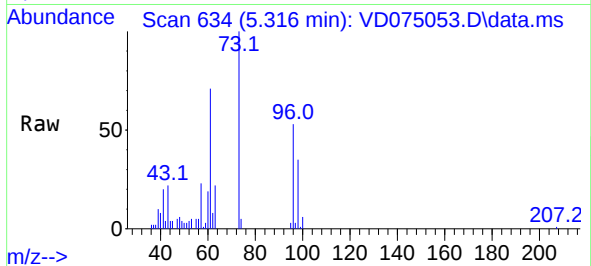




#19  
Methyl tert-butyl Ether  
Concen: 20.592 ug/l  
RT: 5.316 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

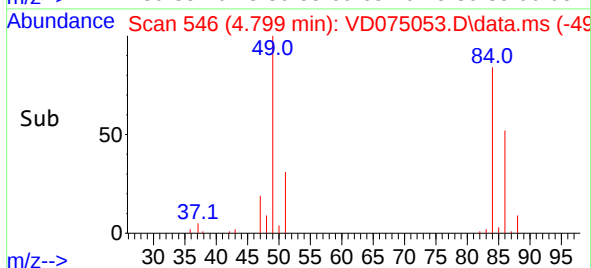
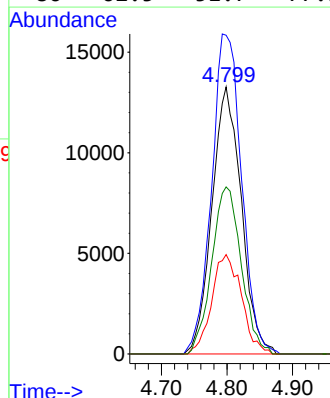
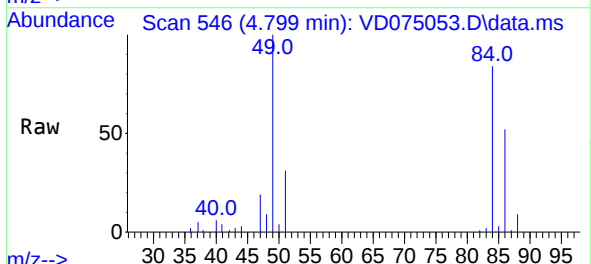
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

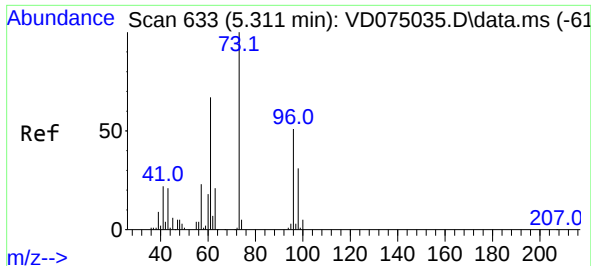
Tgt Ion: 73 Resp: 64309  
Ion Ratio Lower Upper  
73 100  
57 23.4 16.9 25.3



#20  
Methylene Chloride  
Concen: 23.424 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 84 Resp: 41264  
Ion Ratio Lower Upper  
84 100  
49 119.4 77.2 115.8#  
51 37.2 24.1 36.1#  
86 62.5 51.7 77.5

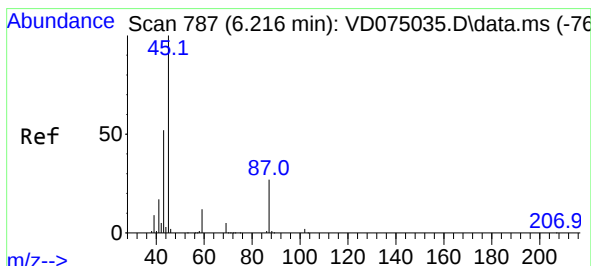
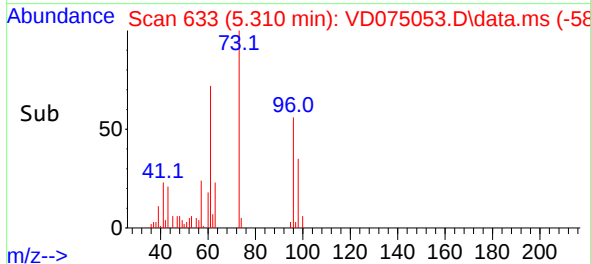
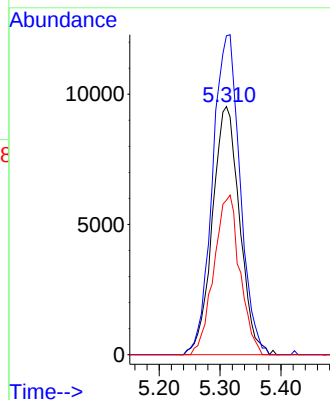
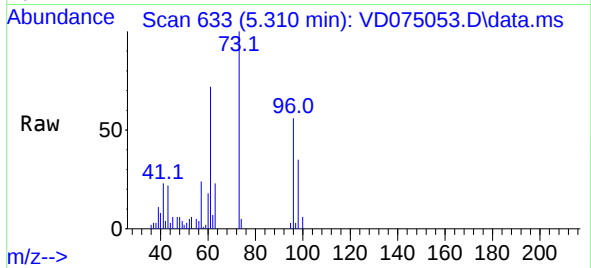




#21  
trans-1,2-Dichloroethene  
Concen: 22.721 ug/l  
RT: 5.310 min Scan# 611  
Delta R.T. -0.001 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

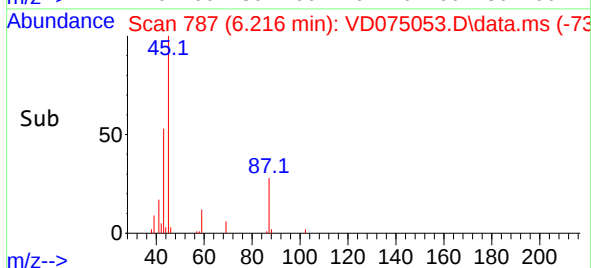
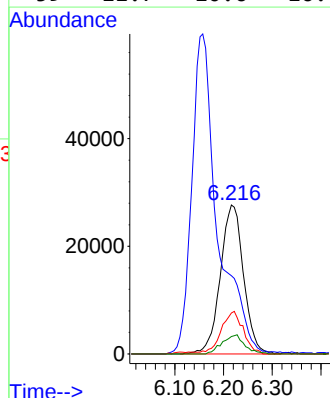
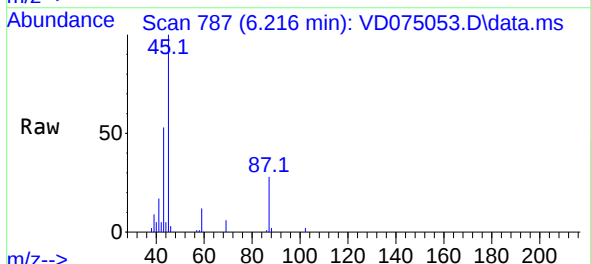
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

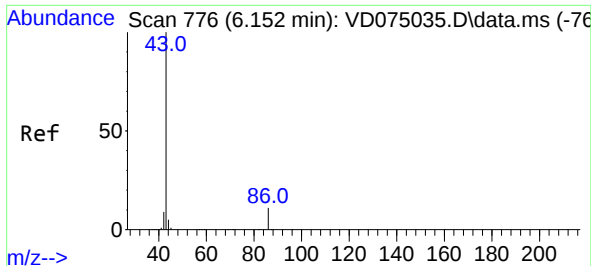
Tgt Ion: 96 Resp: 29648  
Ion Ratio Lower Upper  
96 100  
61 128.5 86.7 130.1  
98 62.3 49.8 74.8



#22  
Diisopropyl ether  
Concen: 20.816 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 45 Resp: 91737  
Ion Ratio Lower Upper  
45 100  
43 51.1 39.8 59.8  
87 27.5 27.5 41.3#  
59 11.7 10.6 16.0

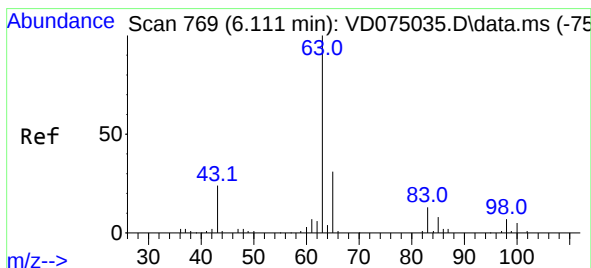
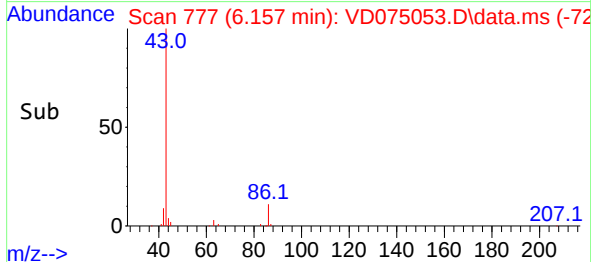
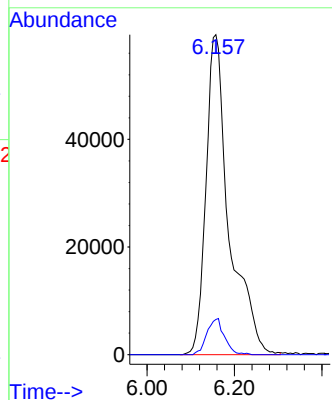
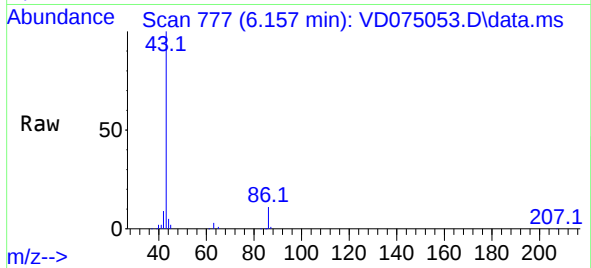




#23  
 Vinyl Acetate  
 Concen: 109.822 ug/l  
 RT: 6.157 min Scan# 71  
 Delta R.T. 0.005 min  
 Lab File: VD075053.D  
 Acq: 27 Dec 2022 14:58

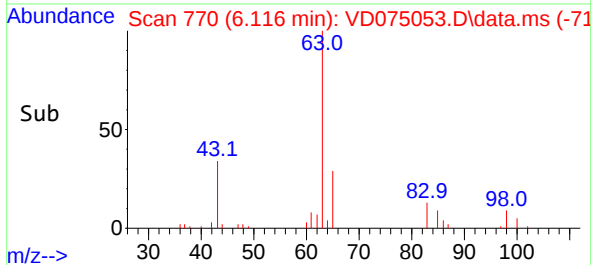
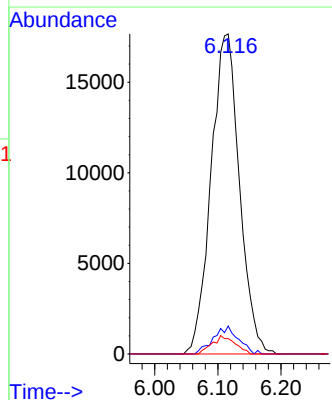
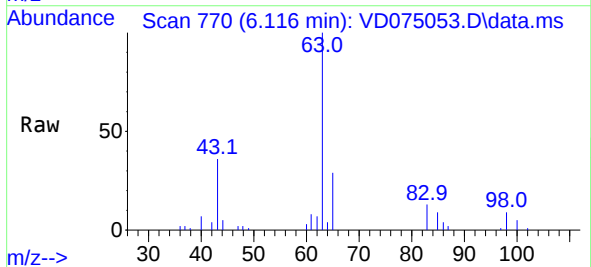
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBS01

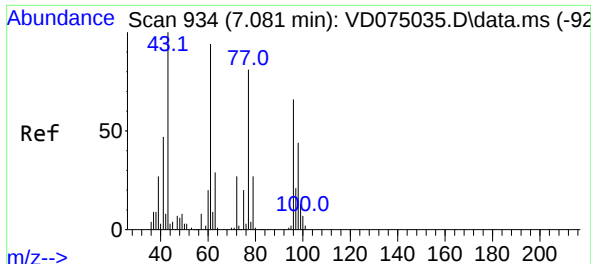
Tgt Ion: 43 Resp: 218882  
 Ion Ratio Lower Upper  
 43 100  
 86 11.0 11.4 17.0#



#24  
 1,1-Dichloroethane  
 Concen: 21.460 ug/l  
 RT: 6.116 min Scan# 770  
 Delta R.T. 0.005 min  
 Lab File: VD075053.D  
 Acq: 27 Dec 2022 14:58

Tgt Ion: 63 Resp: 55240  
 Ion Ratio Lower Upper  
 63 100  
 98 8.8 4.3 13.1  
 100 4.8 2.5 7.4

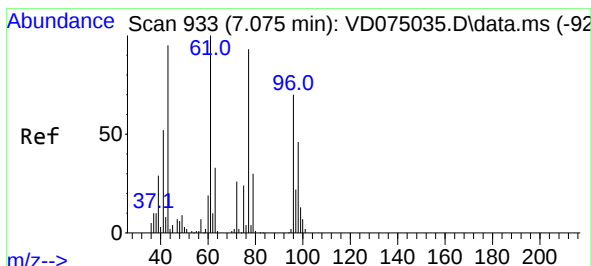
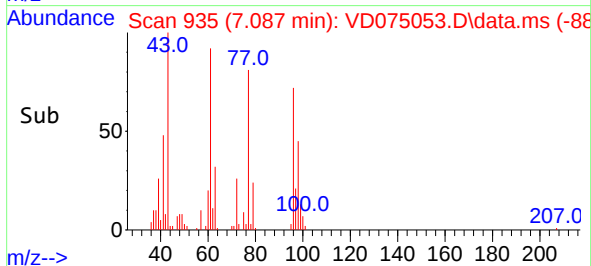
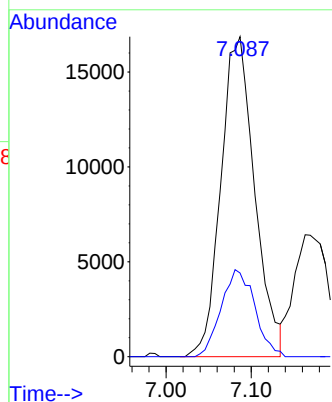
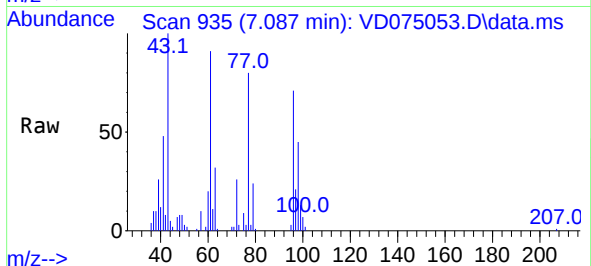




#25  
2-Butanone  
Concen: 100.888 ug/l  
RT: 7.087 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

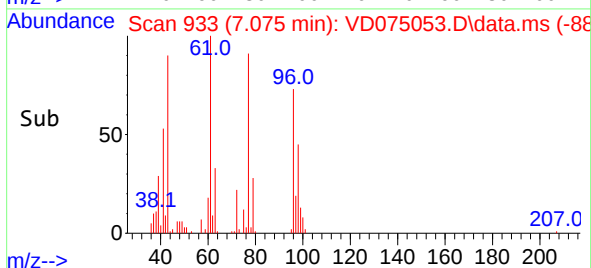
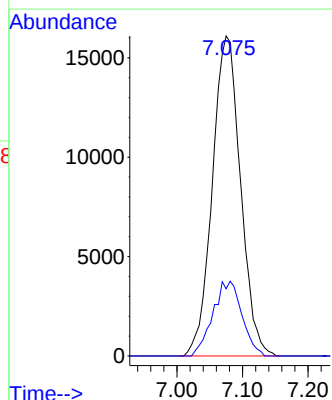
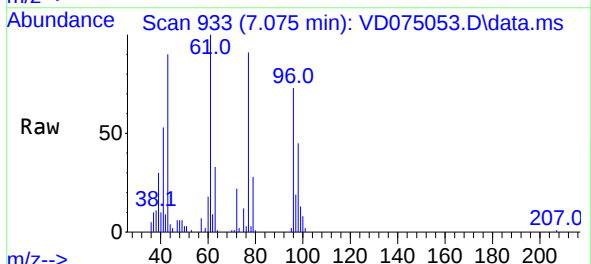
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

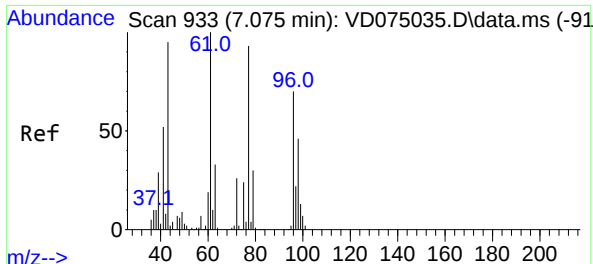
Tgt Ion: 43 Resp: 46381  
Ion Ratio Lower Upper  
43 100  
72 26.1 28.4 42.6#



#26  
2,2-Dichloropropane  
Concen: 20.852 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 77 Resp: 47948  
Ion Ratio Lower Upper  
77 100  
97 24.1 12.6 37.6

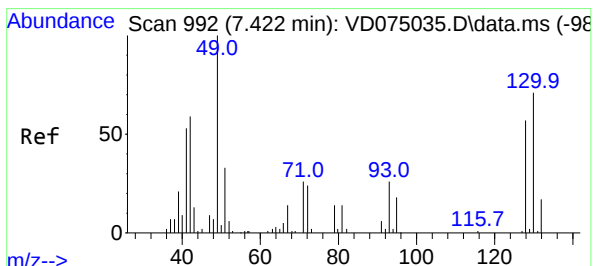
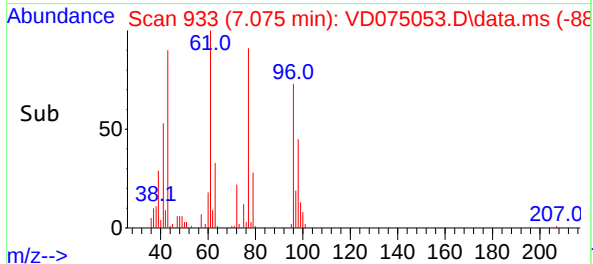
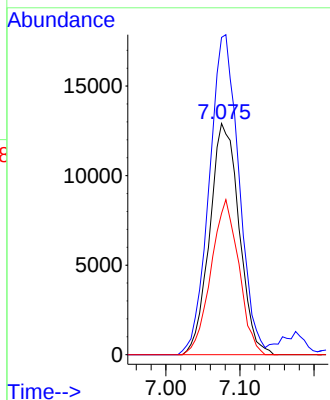
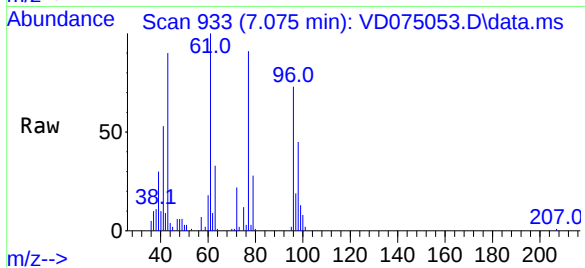




#27  
cis-1,2-Dichloroethene  
Concen: 21.633 ug/l  
RT: 7.075 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

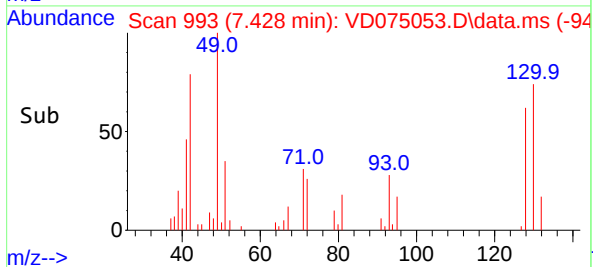
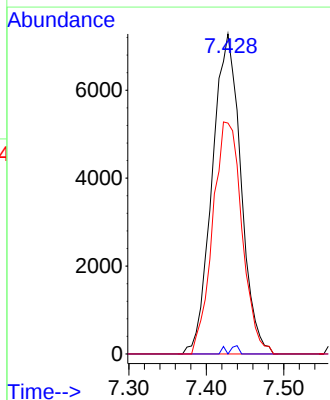
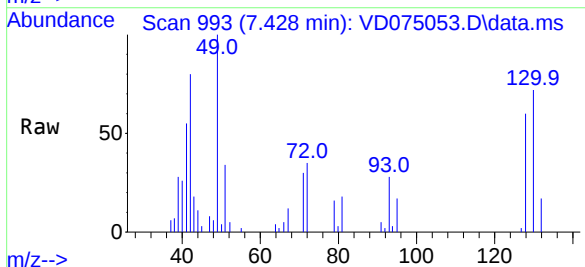
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

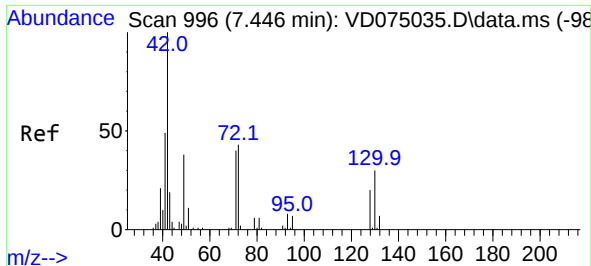
Tgt Ion: 96 Resp: 35608  
Ion Ratio Lower Upper  
96 100  
61 139.5 0.0 244.6  
98 63.4 0.0 131.0



#28  
Bromochloromethane  
Concen: 21.030 ug/l  
RT: 7.428 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 49 Resp: 18739  
Ion Ratio Lower Upper  
49 100  
129 1.0 0.0 5.0  
130 74.3 78.2 117.4#

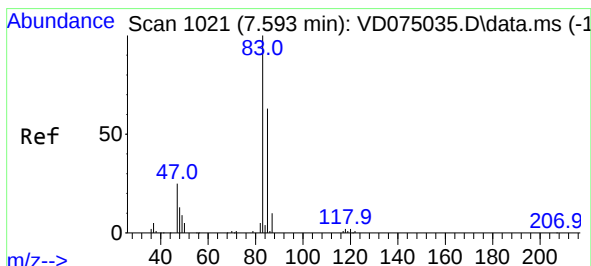
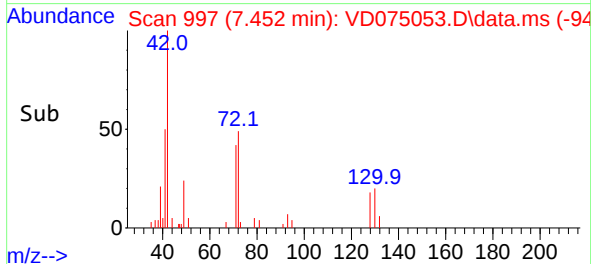
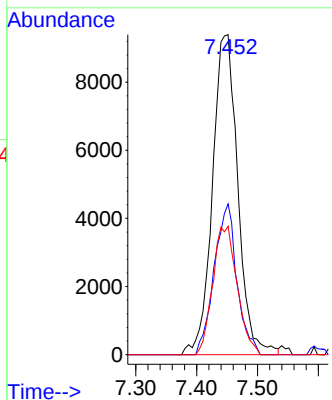
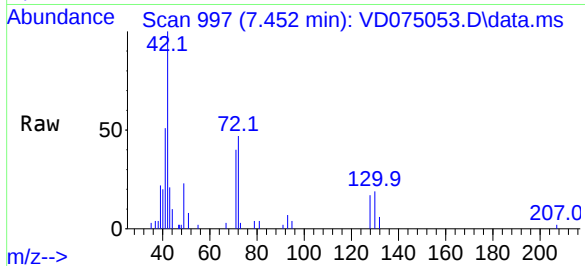




#29  
Tetrahydrofuran  
Concen: 102.611 ug/l  
RT: 7.452 min Scan# 997  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

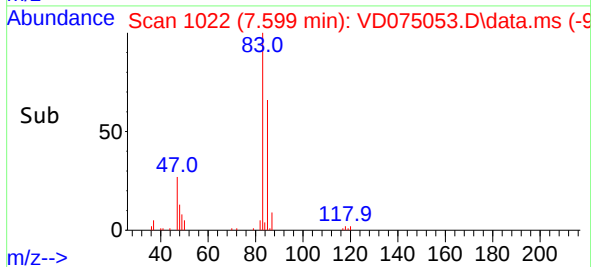
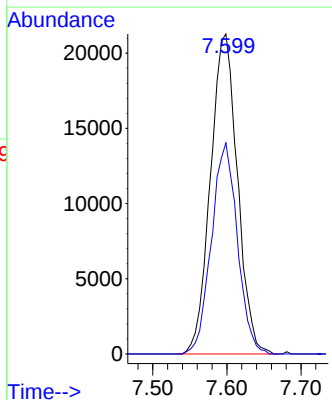
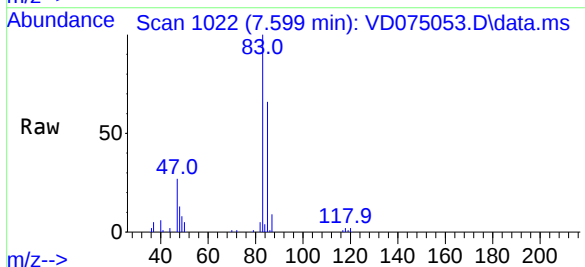
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

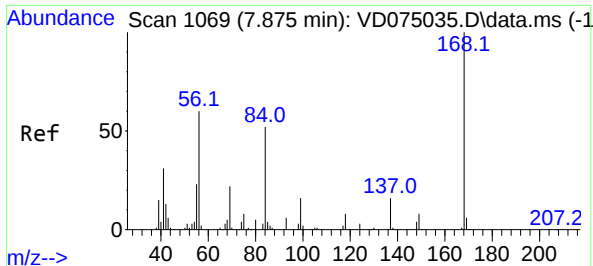
Tgt Ion: 42 Resp: 27196  
Ion Ratio Lower Upper  
42 100  
72 42.2 43.8 65.8#  
71 38.6 41.1 61.7#



#30  
Chloroform  
Concen: 21.417 ug/l  
RT: 7.599 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 83 Resp: 53830  
Ion Ratio Lower Upper  
83 100  
85 65.9 51.4 77.0





#31

Cyclohexane

Concen: 23.851 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBSD01

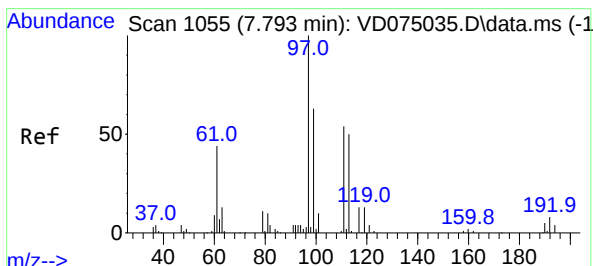
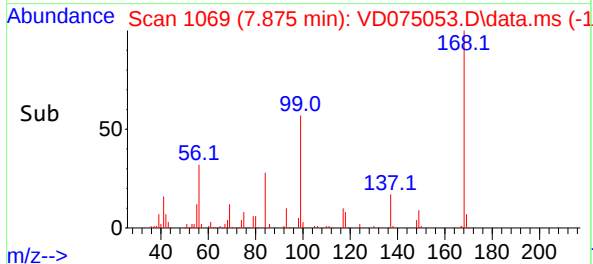
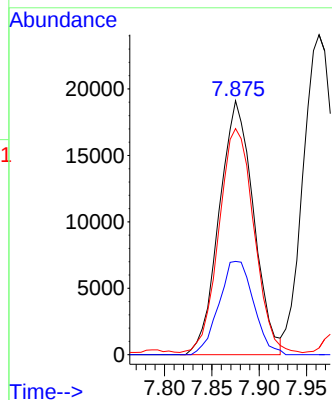
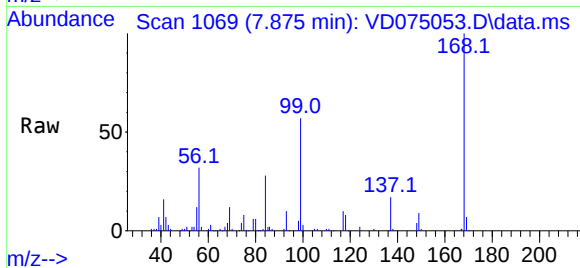
Tgt Ion: 56 Resp: 48299

Ion Ratio Lower Upper

56 100

69 36.7 29.4 44.2

84 88.2 81.8 122.8



#32

1,1,1-Trichloroethane

Concen: 21.396 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

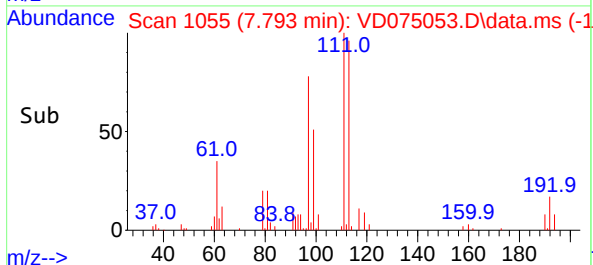
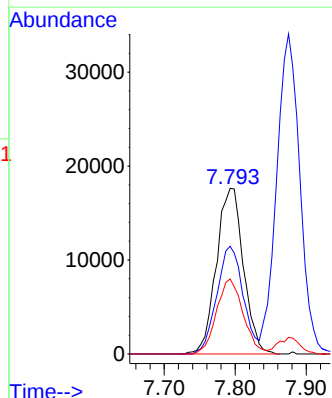
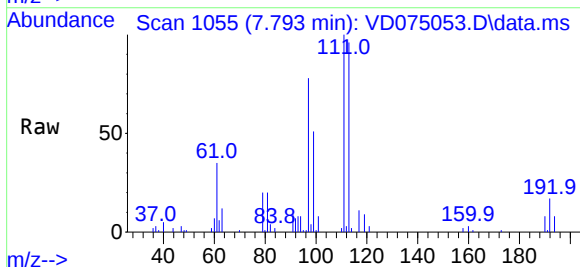
Tgt Ion: 97 Resp: 46534

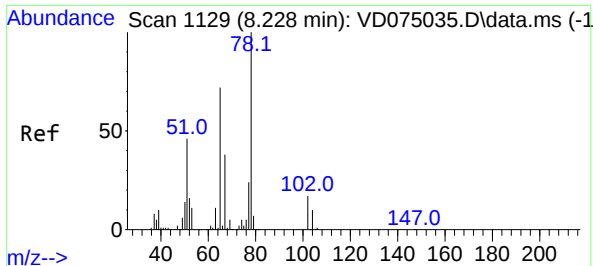
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 44.6 30.3 45.5

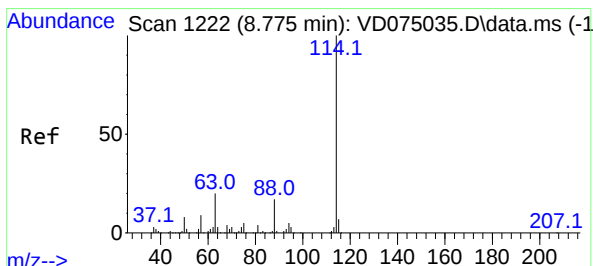
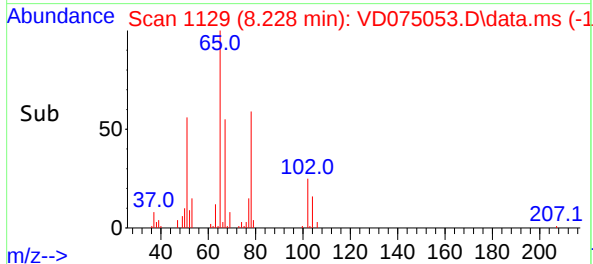
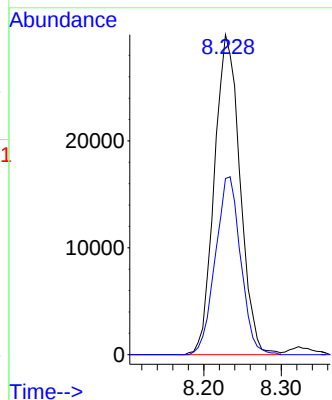
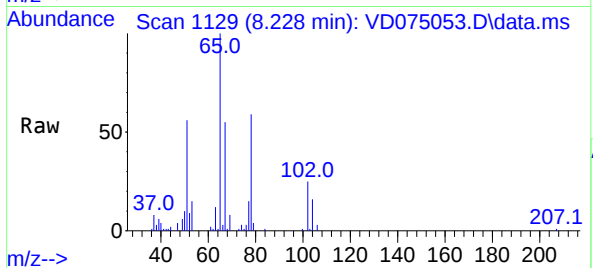




#33  
1,2-Dichloroethane-d4  
Concen: 51.947 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

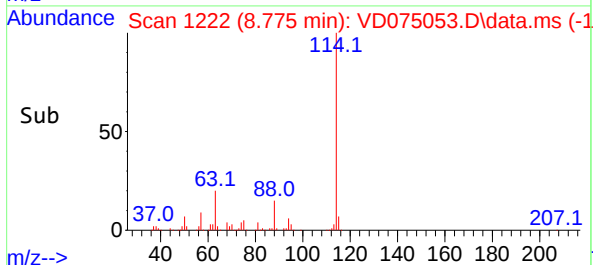
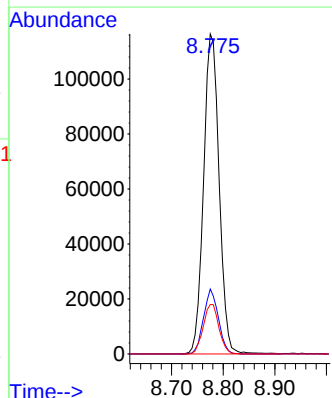
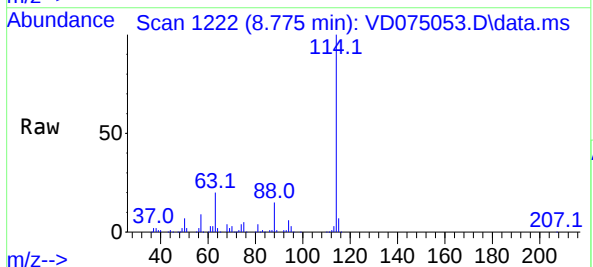
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

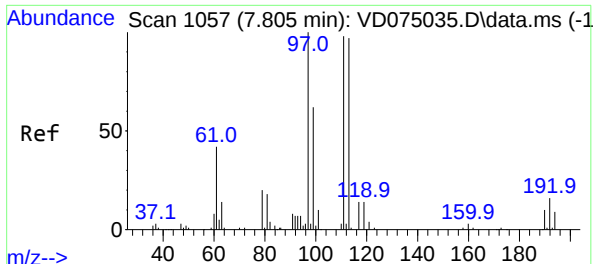
Tgt Ion: 65 Resp: 68904  
Ion Ratio Lower Upper  
65 100  
67 54.9 0.0 111.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 114 Resp: 243111  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 33.8  
88 15.4 0.0 27.8





#35

Dibromofluoromethane

Concen: 52.764 ug/l

RT: 7.804 min Scan# 1091

Delta R.T. -0.001 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBSD01

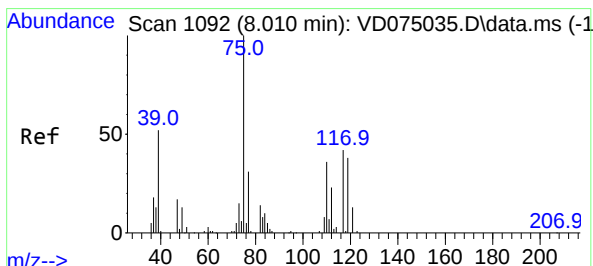
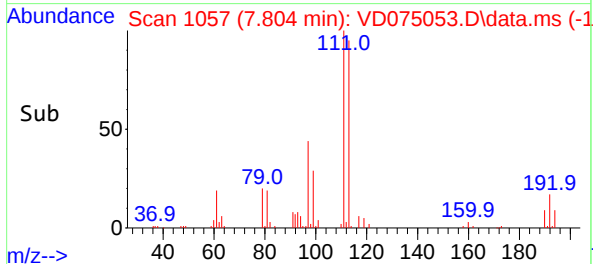
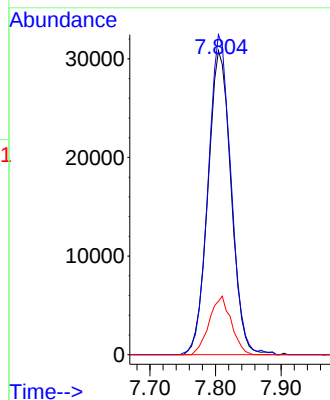
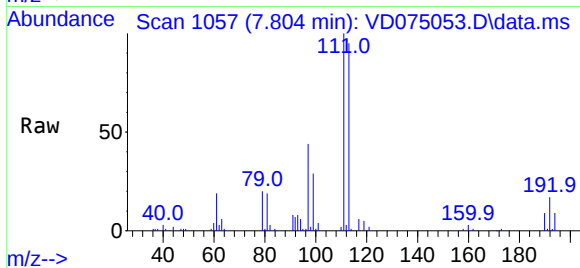
Tgt Ion:113 Resp: 75482

Ion Ratio Lower Upper

113 100

111 103.9 82.1 123.1

192 18.3 15.1 22.7



#36

1,1-Dichloropropene

Concen: 22.202 ug/l

RT: 8.004 min Scan# 1091

Delta R.T. -0.006 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

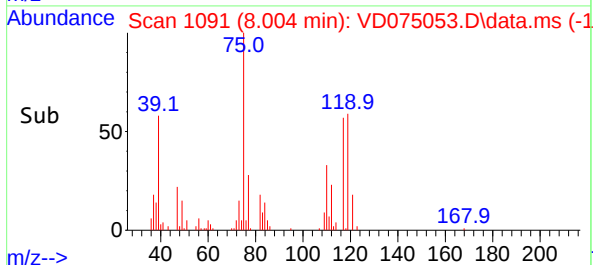
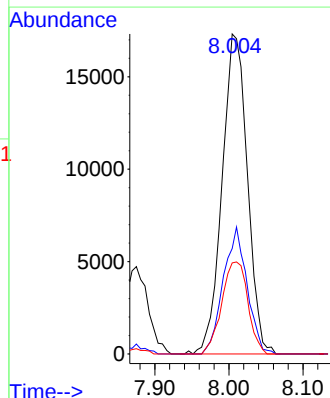
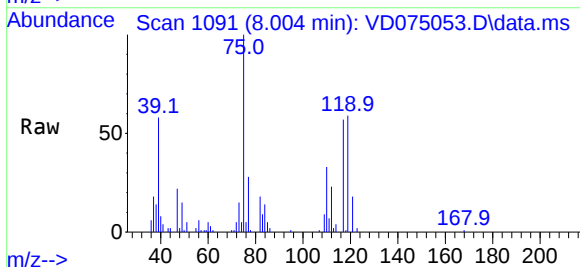
Tgt Ion: 75 Resp: 41025

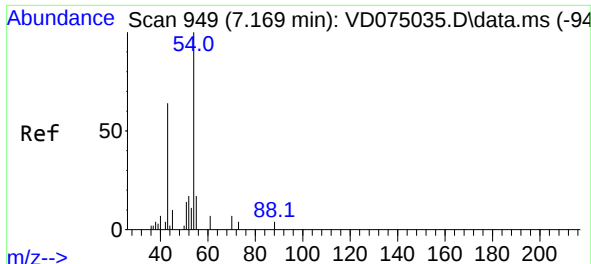
Ion Ratio Lower Upper

75 100

110 37.3 19.0 57.0

77 29.8 25.2 37.8





#37

Ethyl Acetate

Concen: 19.132 ug/l

RT: 7.163 min Scan# 949

Delta R.T. -0.006 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBSD01

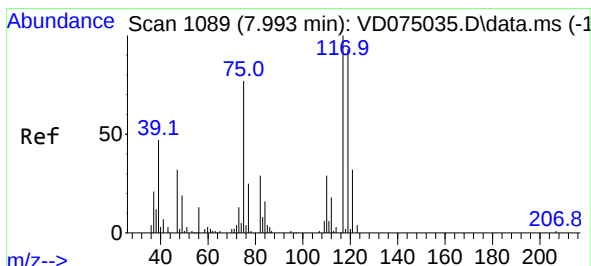
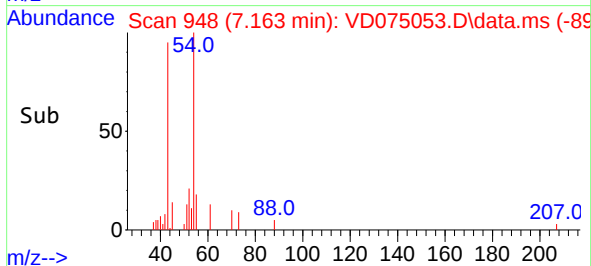
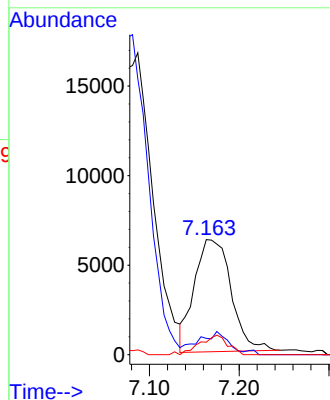
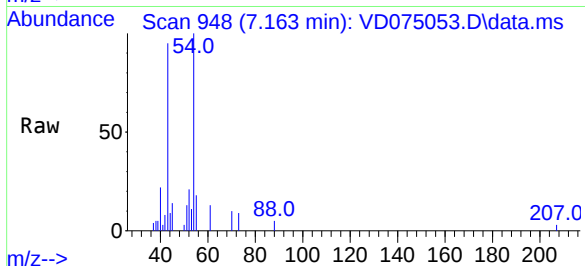
Tgt Ion: 43 Resp: 17858

Ion Ratio Lower Upper

43 100

61 16.7 12.8 19.2

70 13.4 10.2 15.4



#38

Carbon Tetrachloride

Concen: 22.006 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

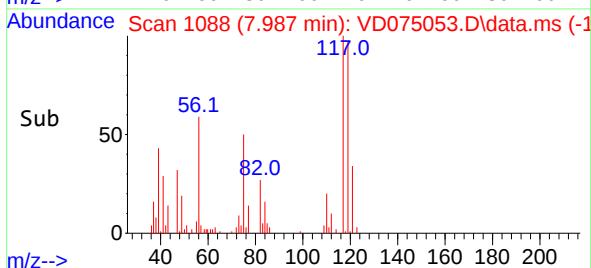
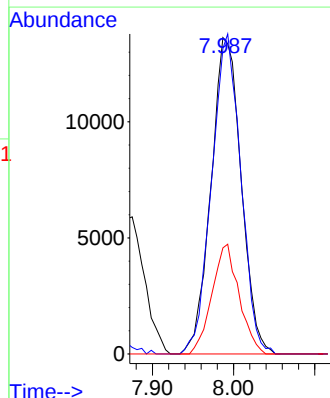
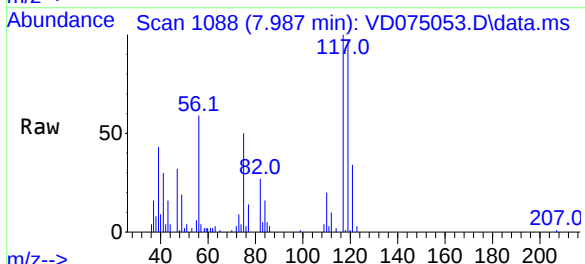
Tgt Ion: 117 Resp: 35161

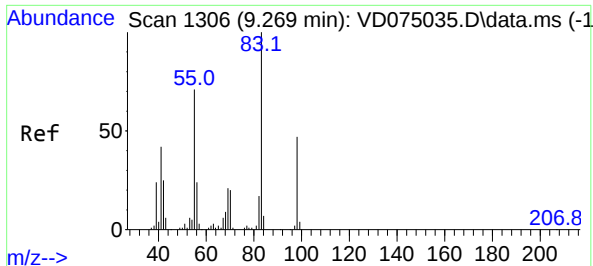
Ion Ratio Lower Upper

117 100

119 96.6 75.8 113.6

121 33.5 25.4 38.0





#39

Methylcyclohexane

Concen: 23.173 ug/l

RT: 9.275 min Scan# 1137

Delta R.T. 0.006 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBSD01

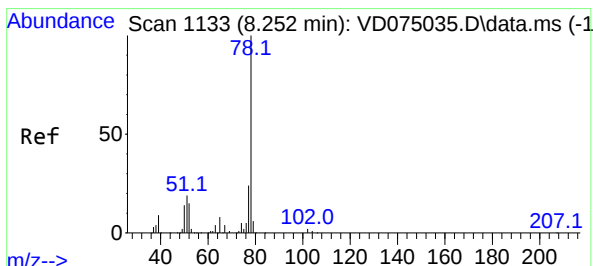
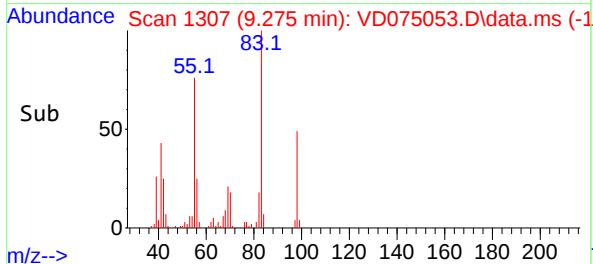
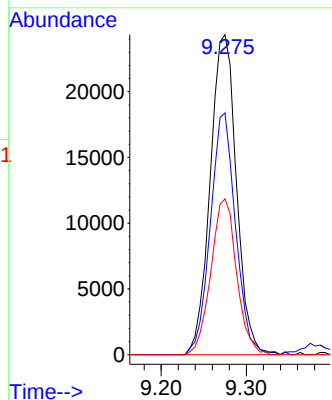
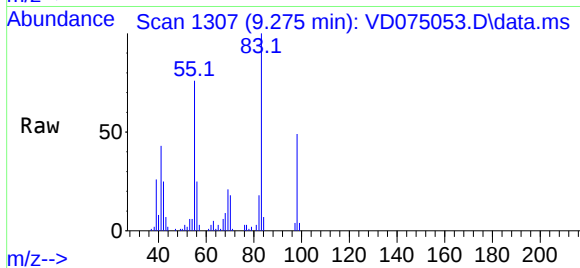
Tgt Ion: 83 Resp: 52002

Ion Ratio Lower Upper

83 100

55 75.5 53.1 79.7

98 48.7 37.5 56.3



#40

Benzene

Concen: 21.796 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. -0.001 min

Lab File: VD075053.D

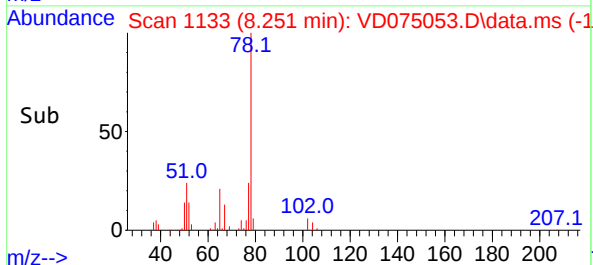
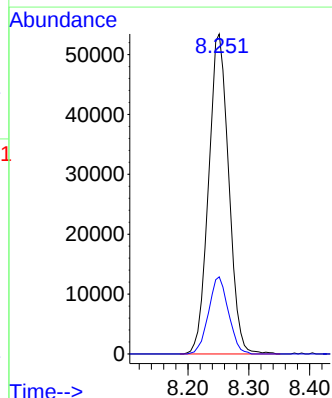
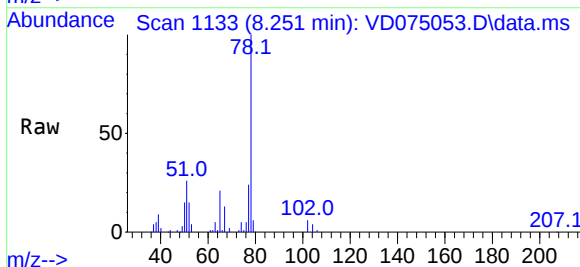
Acq: 27 Dec 2022 14:58

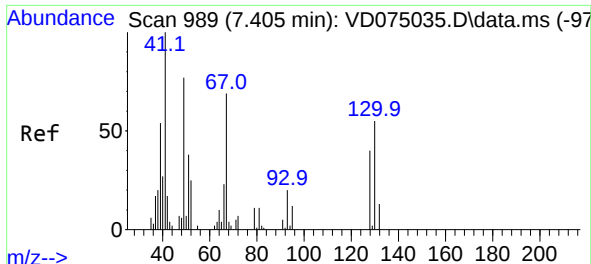
Tgt Ion: 78 Resp: 122618

Ion Ratio Lower Upper

78 100

77 24.1 18.6 27.8



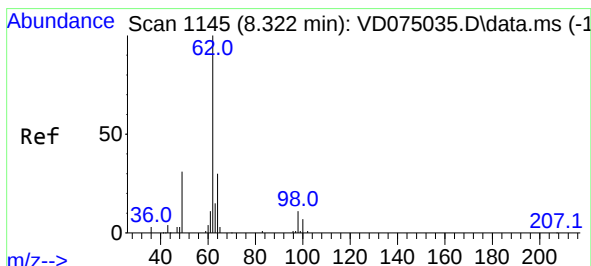
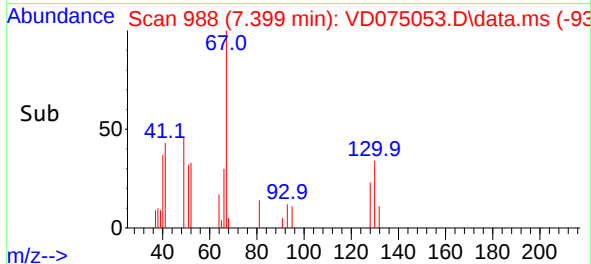
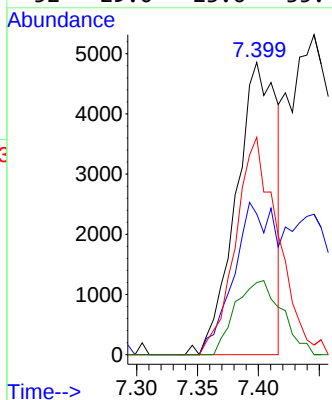
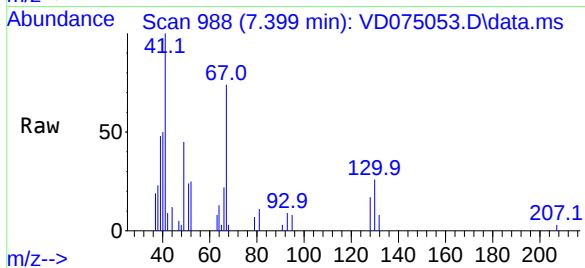


#41  
Methacrylonitrile  
Concen: 19.381 ug/l  
RT: 7.399 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

Tgt Ion: 41 Resp: 11256

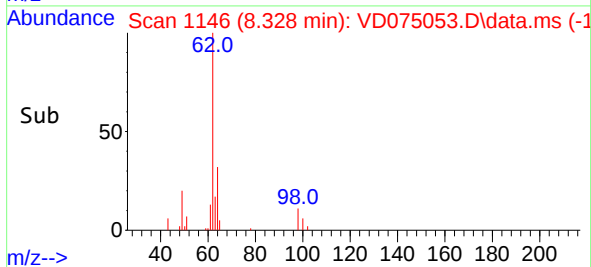
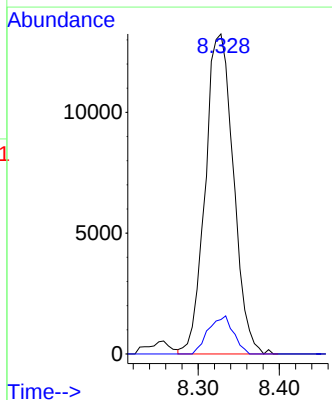
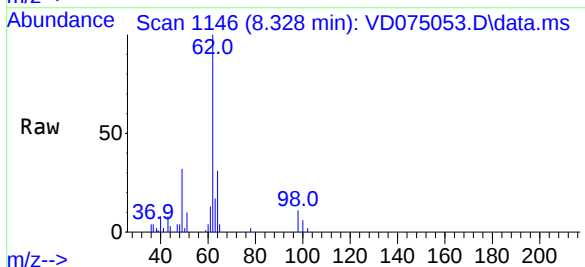
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 52.5  | 44.8  | 67.2  |
| 67  | 78.3  | 69.6  | 104.4 |
| 52  | 29.0  | 23.6  | 35.4  |

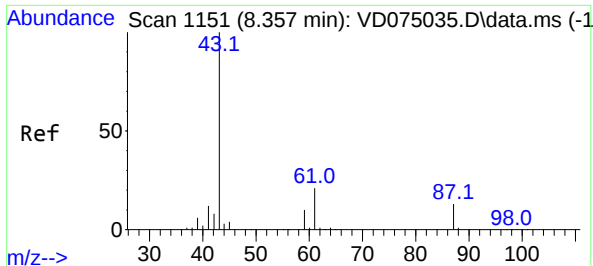


#42  
1,2-Dichloroethane  
Concen: 22.230 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 62 Resp: 31907

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.5  | 0.0   | 23.4  |





#43

Isopropyl Acetate

Concen: 20.952 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. 0.006 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBSD01

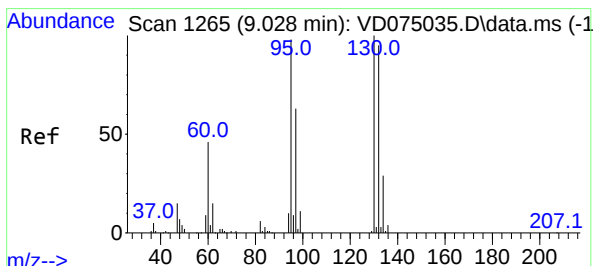
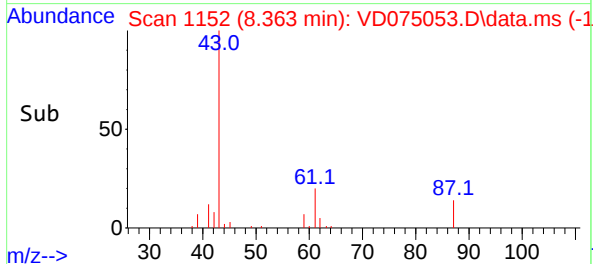
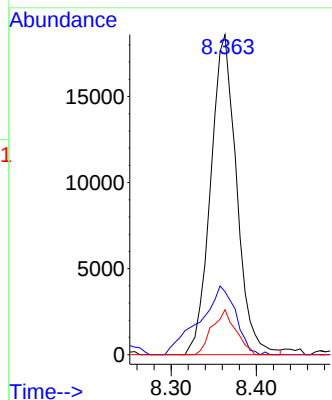
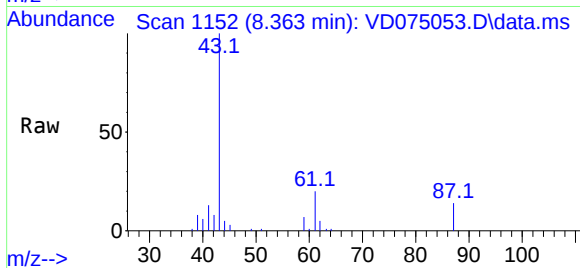
Tgt Ion: 43 Resp: 39343

Ion Ratio Lower Upper

43 100

61 29.8 28.2 42.4

87 12.8 13.6 20.4#



#44

Trichloroethene

Concen: 21.681 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD075053.D

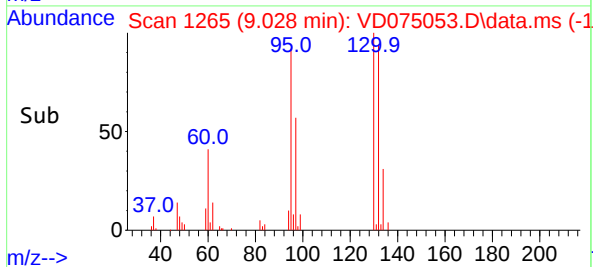
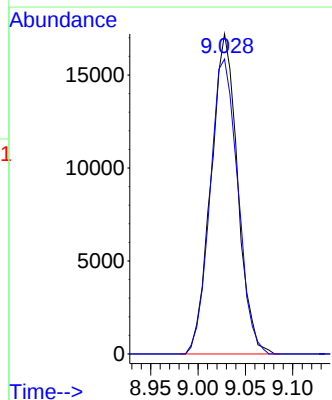
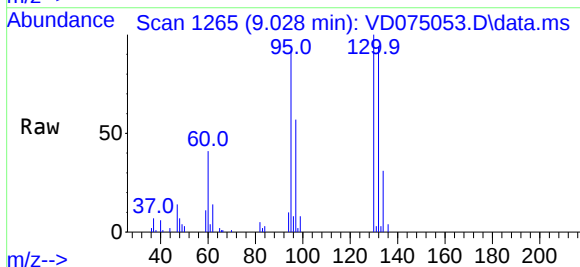
Acq: 27 Dec 2022 14:58

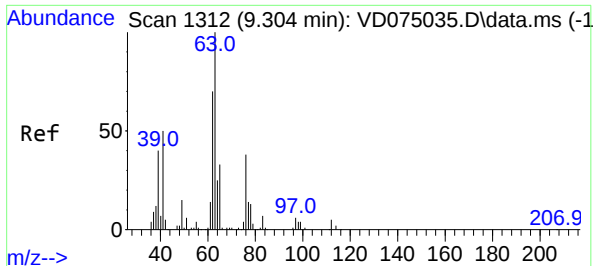
Tgt Ion:130 Resp: 33594

Ion Ratio Lower Upper

130 100

95 92.1 0.0 190.0

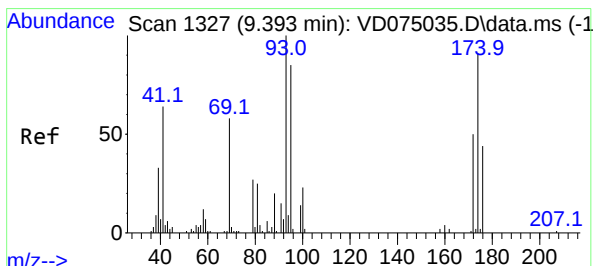
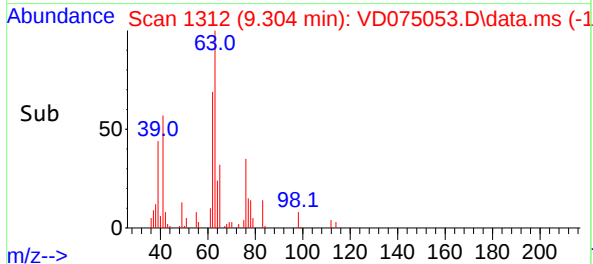
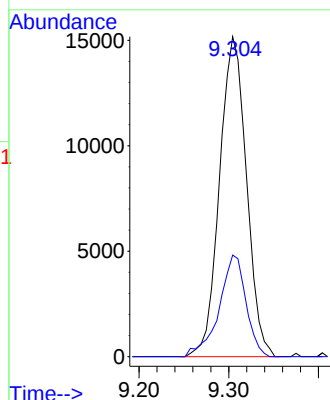
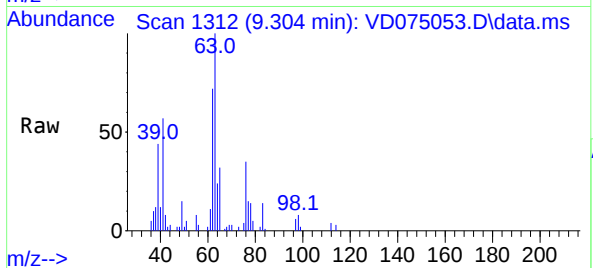




#45  
1,2-Dichloropropane  
Concen: 20.982 ug/l  
RT: 9.304 min Scan# 1312  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

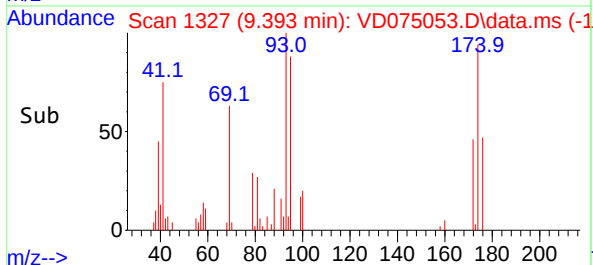
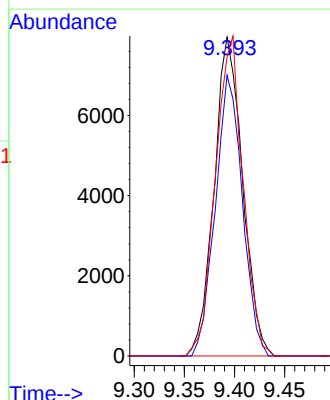
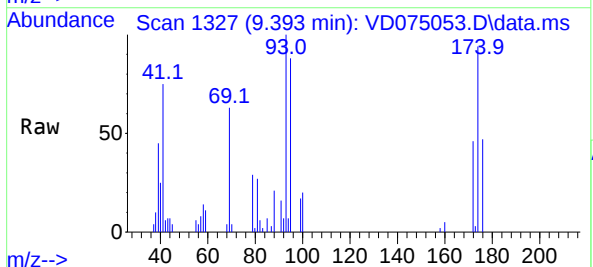
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

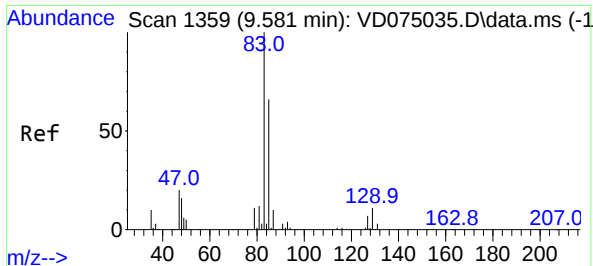
Tgt Ion: 63 Resp: 31616  
Ion Ratio Lower Upper  
63 100  
65 31.8 27.0 40.6



#46  
Dibromomethane  
Concen: 20.962 ug/l  
RT: 9.393 min Scan# 1327  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 93 Resp: 15709  
Ion Ratio Lower Upper  
93 100  
95 83.5 65.7 98.5  
174 97.4 74.7 112.1





#47

Bromodichloromethane

Concen: 20.468 ug/l

RT: 9.587 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBSD01

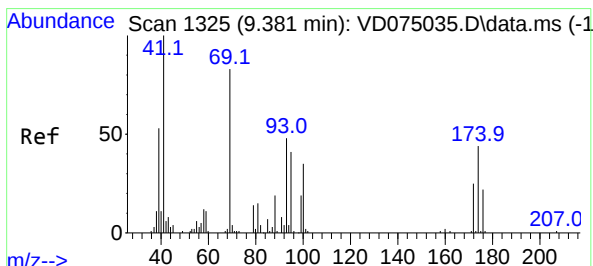
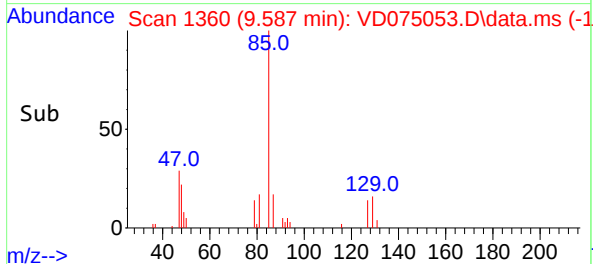
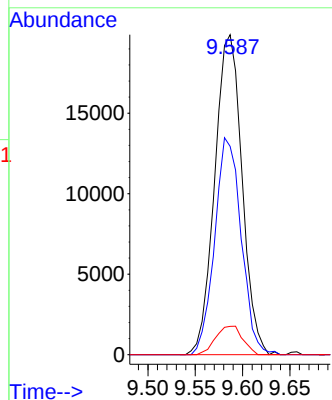
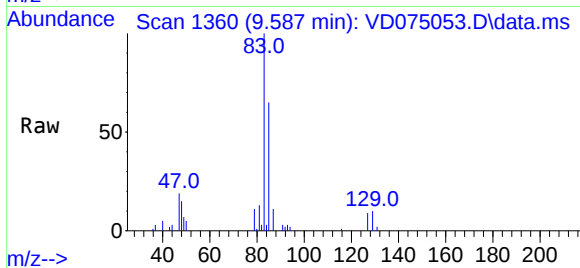
Tgt Ion: 83 Resp: 39947

Ion Ratio Lower Upper

83 100

85 65.1 51.8 77.8

127 8.8 7.2 10.8



#48

Methyl methacrylate

Concen: 20.591 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

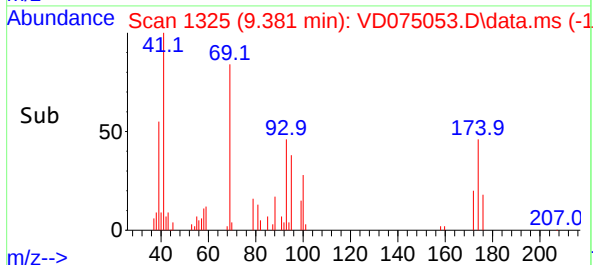
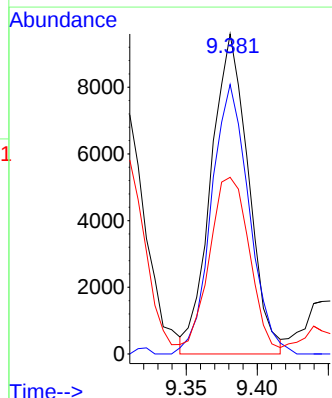
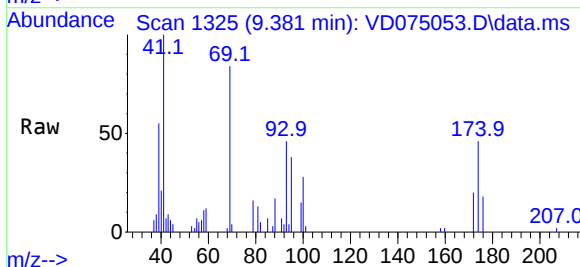
Tgt Ion: 41 Resp: 17563

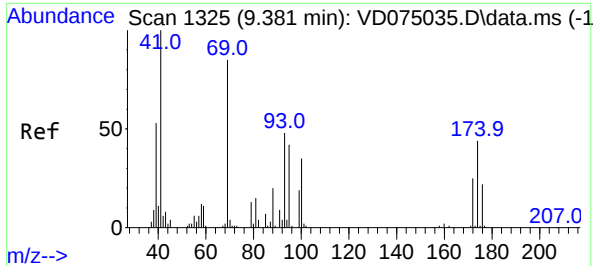
Ion Ratio Lower Upper

41 100

69 84.9 84.8 127.2

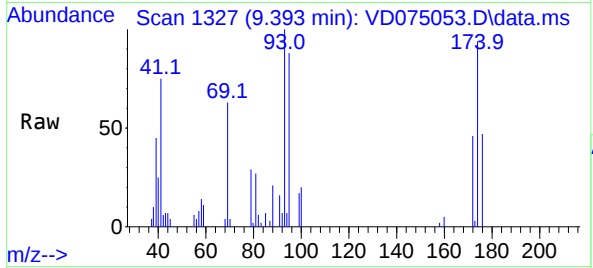
39 56.1 43.6 65.4



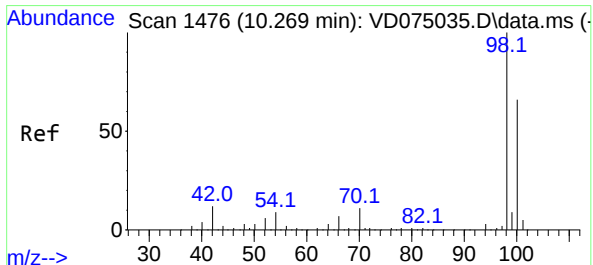
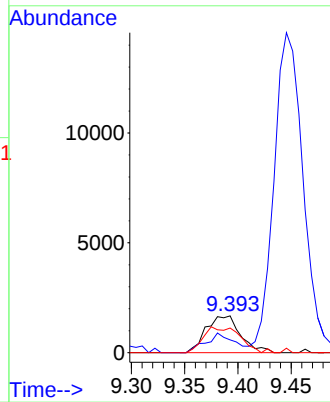
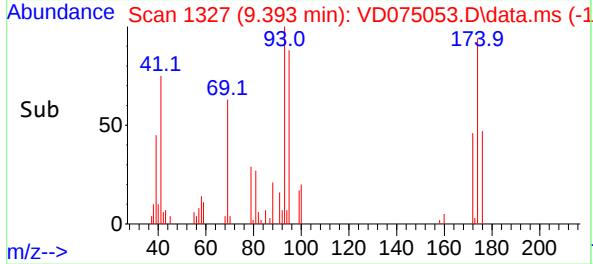


#49  
1,4-Dioxane  
Concen: 399.715 ug/l  
RT: 9.393 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

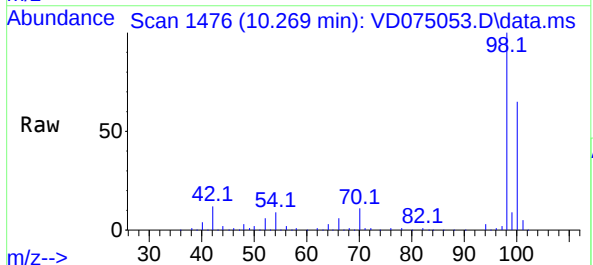
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01



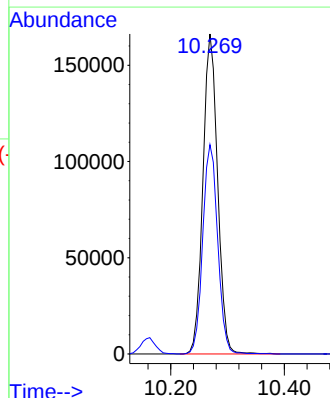
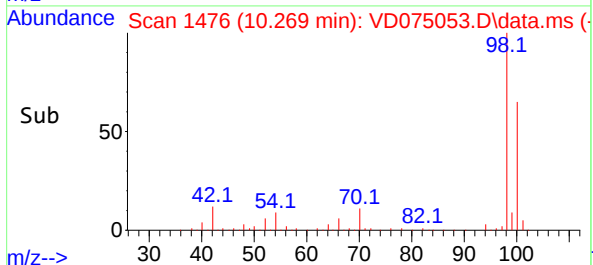
Tgt Ion: 88 Resp: 3775  
Ion Ratio Lower Upper  
88 100  
43 44.6 23.9 35.9#  
58 74.8 48.4 72.6#

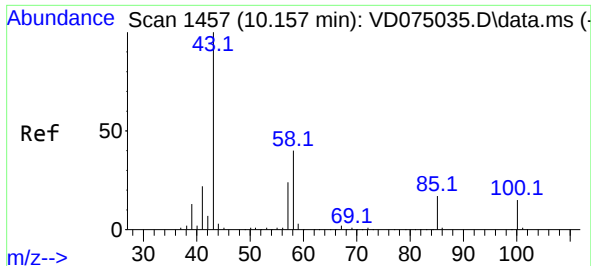


#50  
Toluene-d8  
Concen: 51.540 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58



Tgt Ion: 98 Resp: 297913  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.2 78.2

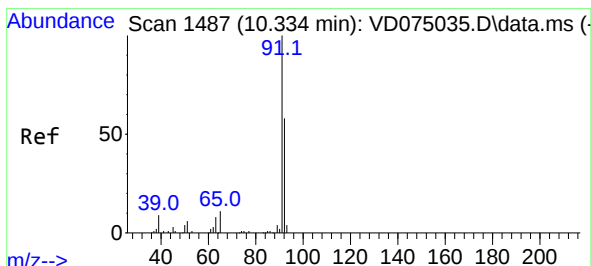
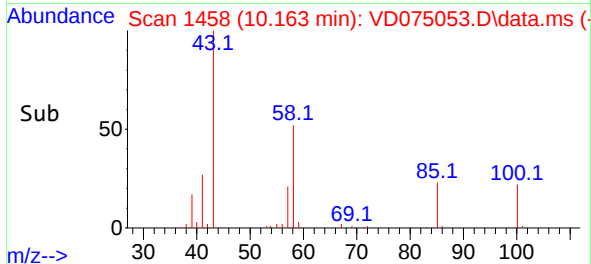
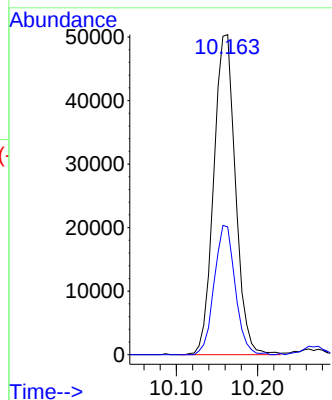
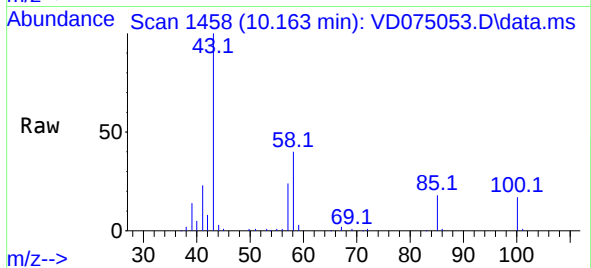




#51  
4-Methyl-2-Pentanone  
Concen: 101.343 ug/l  
RT: 10.163 min Scan# 1458  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

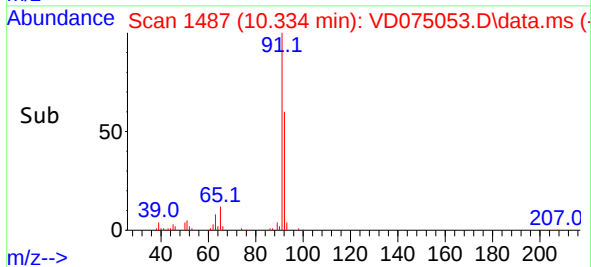
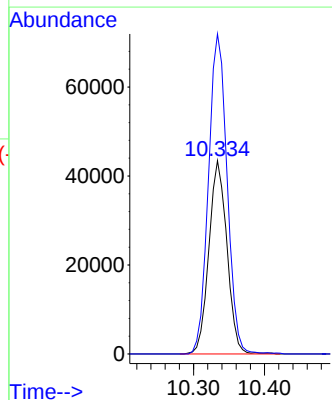
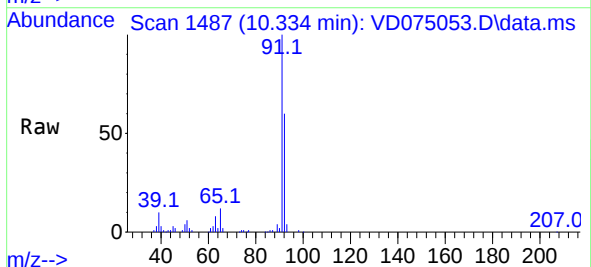
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

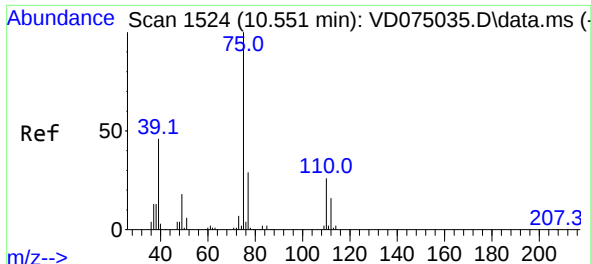
Tgt Ion: 43 Resp: 94008  
Ion Ratio Lower Upper  
43 100  
58 38.9 35.7 53.5



#52  
Toluene  
Concen: 21.421 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 92 Resp: 76737  
Ion Ratio Lower Upper  
92 100  
91 170.8 139.3 208.9

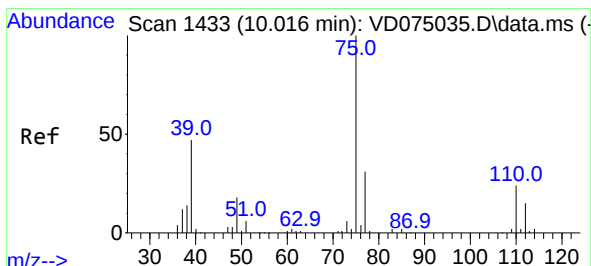
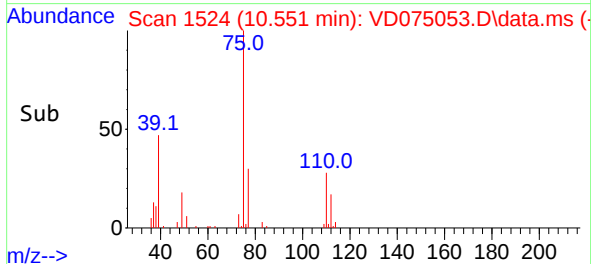
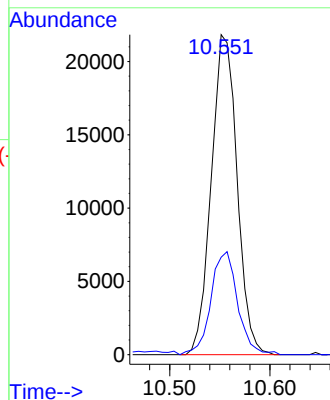
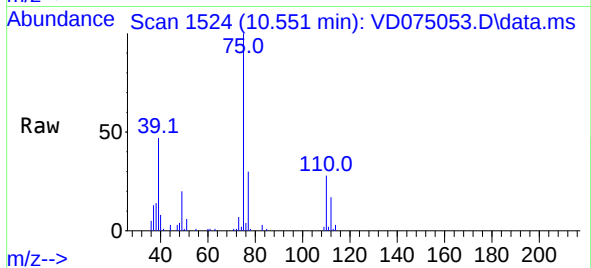




#53  
 t-1,3-Dichloropropene  
 Concen: 20.533 ug/l  
 RT: 10.551 min Scan# 1524  
 Delta R.T. 0.000 min  
 Lab File: VD075053.D  
 Acq: 27 Dec 2022 14:58

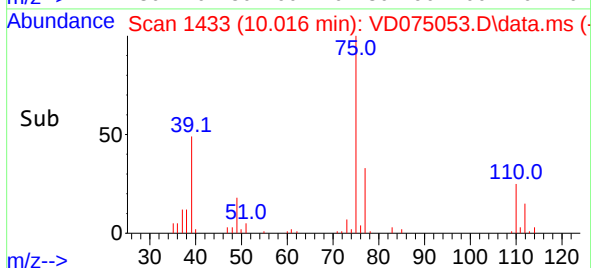
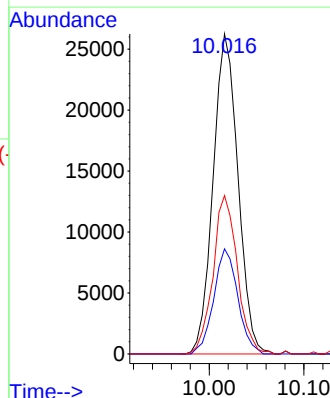
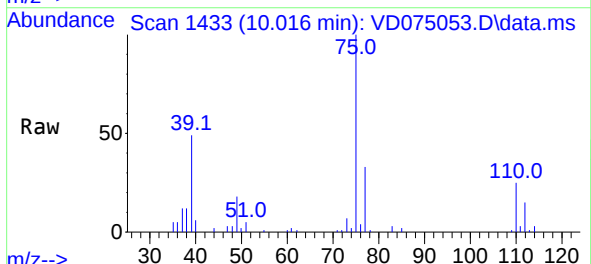
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBS01

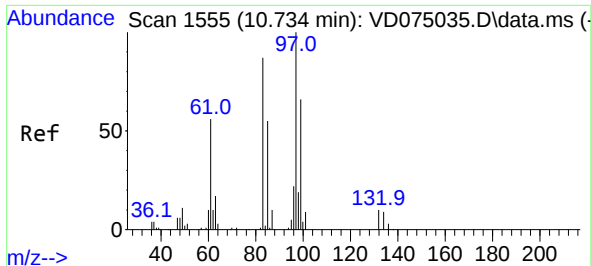
Tgt Ion: 75 Resp: 38988  
 Ion Ratio Lower Upper  
 75 100  
 77 30.5 26.6 39.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.939 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD075053.D  
 Acq: 27 Dec 2022 14:58

Tgt Ion: 75 Resp: 47913  
 Ion Ratio Lower Upper  
 75 100  
 77 32.9 25.5 38.3  
 39 49.5 25.7 38.5#

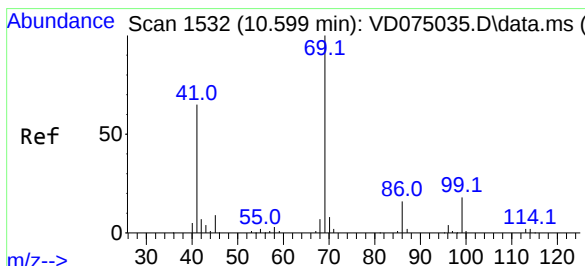
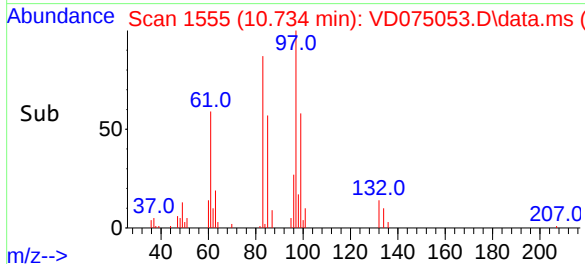
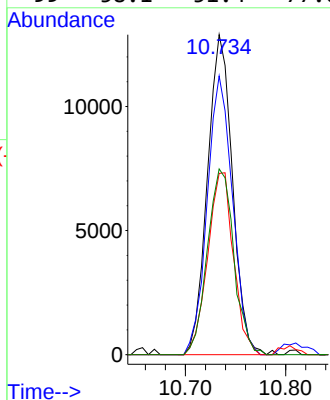
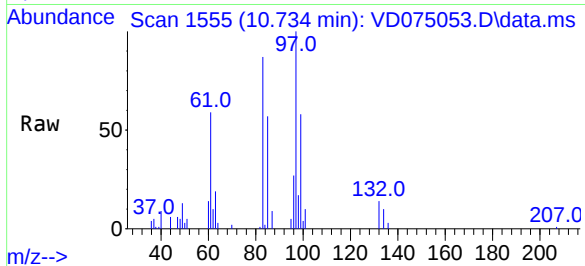




#55  
1,1,2-Trichloroethane  
Concen: 20.372 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

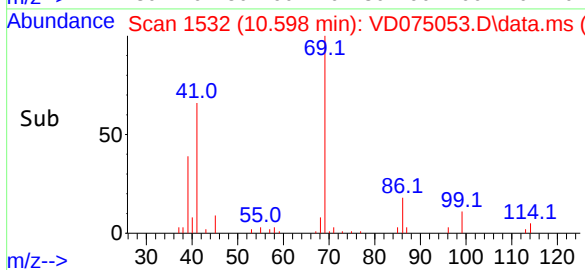
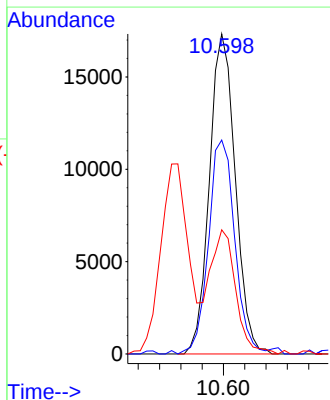
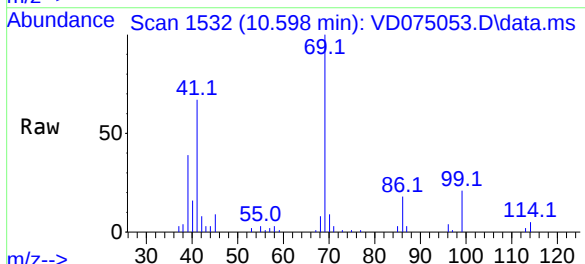
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

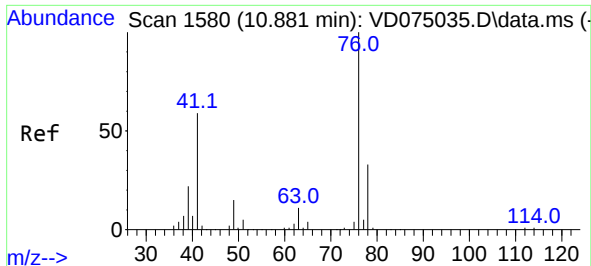
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 22356 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.1  | 65.1  | 97.7  |
| 85       | 56.6  | 43.3  | 64.9  |
| 99       | 58.1  | 51.4  | 77.0  |



#56  
Ethyl methacrylate  
Concen: 20.212 ug/l  
RT: 10.598 min Scan# 1532  
Delta R.T. -0.001 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 29196 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 68.1  | 42.2  | 63.4# |
| 39       | 37.1  | 20.2  | 30.4# |





#57

1,3-Dichloropropane

Concen: 20.961 ug/l

RT: 10.881 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

Instrument :

MSVOA\_D

ClientSampleId :

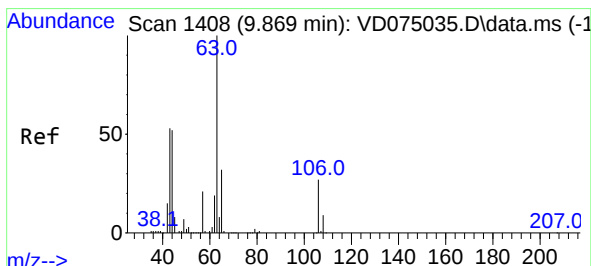
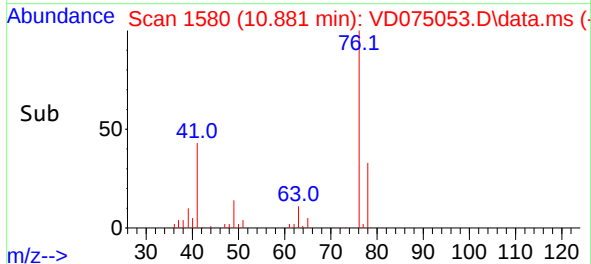
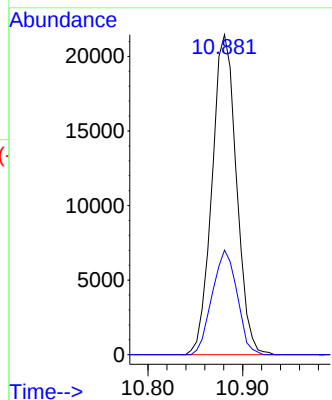
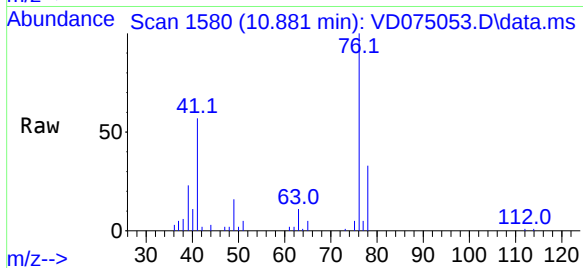
VD1227SBSD01

Tgt Ion: 76 Resp: 38453

Ion Ratio Lower Upper

76 100

78 33.3 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 105.738 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD075053.D

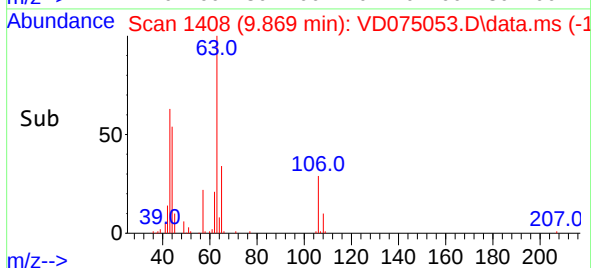
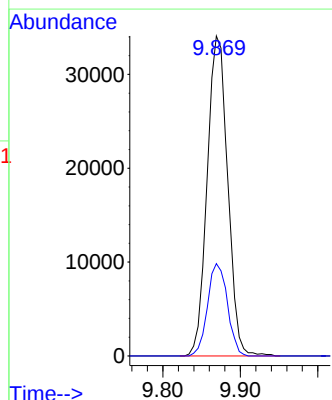
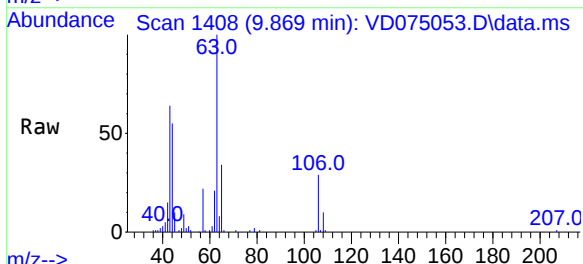
Acq: 27 Dec 2022 14:58

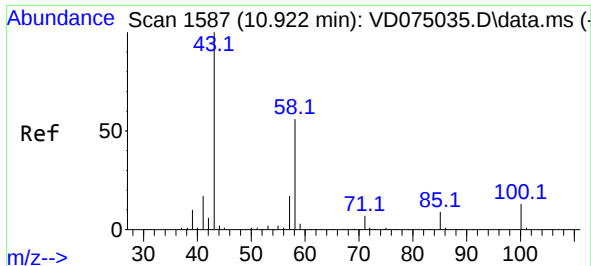
Tgt Ion: 63 Resp: 62694

Ion Ratio Lower Upper

63 100

106 27.9 25.3 37.9

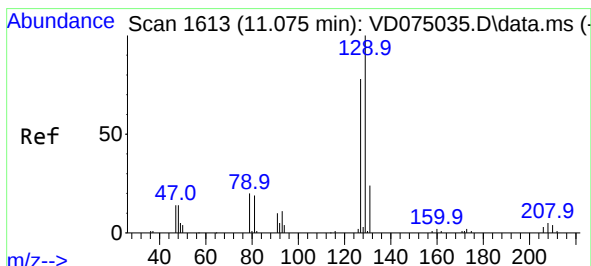
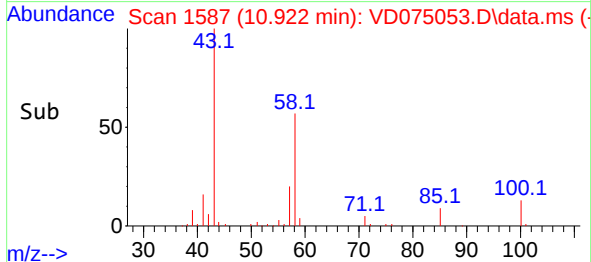
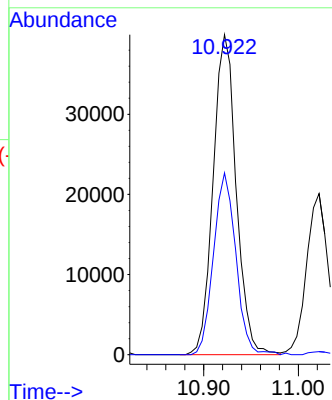
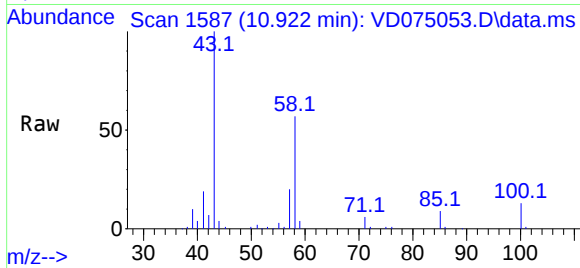




#59  
2-Hexanone  
Concen: 100.381 ug/l  
RT: 10.922 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

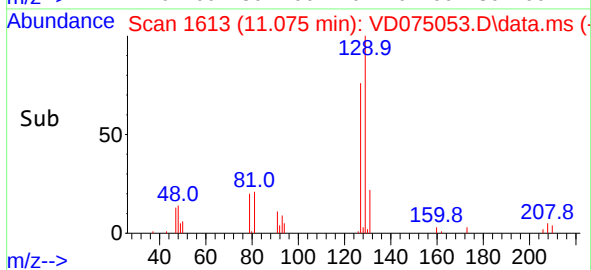
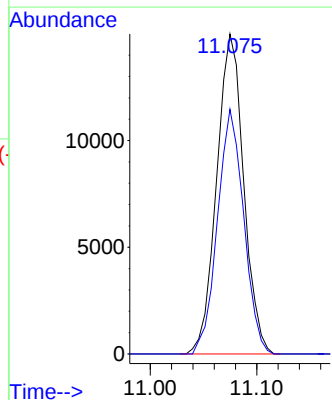
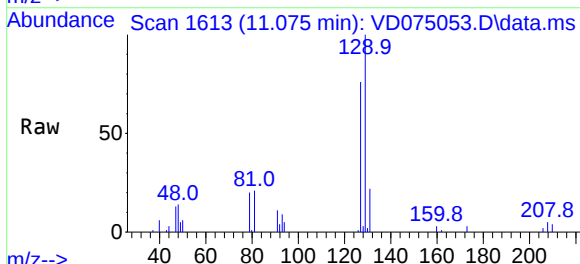
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

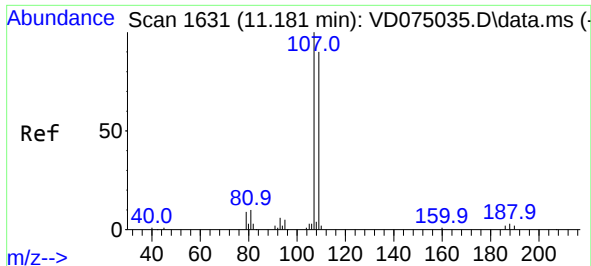
Tgt Ion: 43 Resp: 67713  
Ion Ratio Lower Upper  
43 100  
58 55.0 30.8 92.4



#60  
Dibromochloromethane  
Concen: 20.979 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 129 Resp: 26375  
Ion Ratio Lower Upper  
129 100  
127 74.4 38.8 116.3

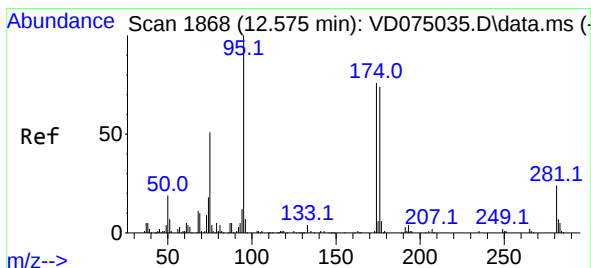
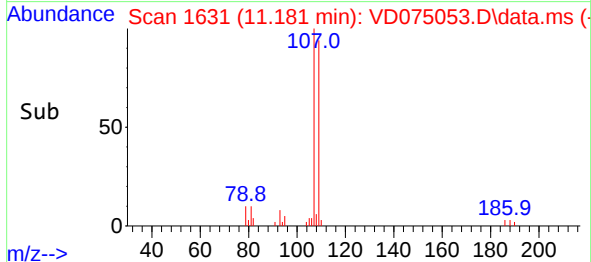
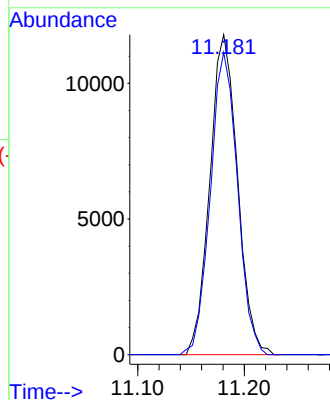
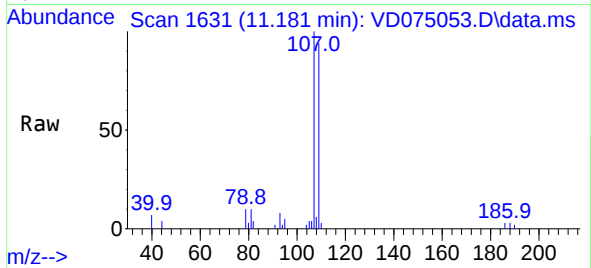




#61  
1,2-Dibromoethane  
Concen: 21.629 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

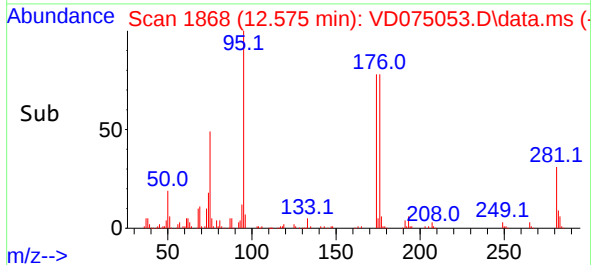
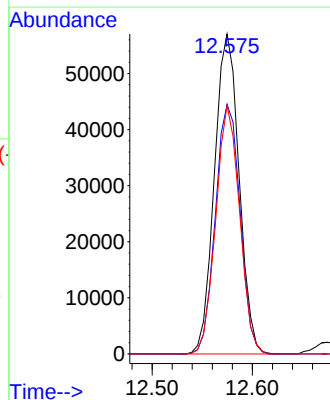
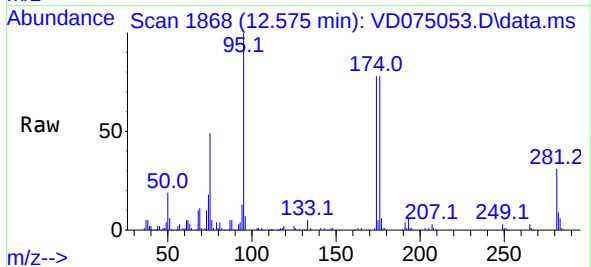
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

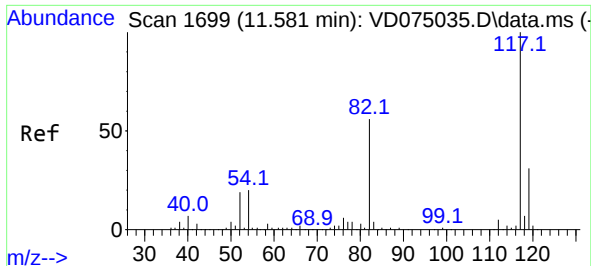
Tgt Ion:107 Resp: 21279  
Ion Ratio Lower Upper  
107 100  
109 92.3 77.2 115.8



#62  
4-Bromofluorobenzene  
Concen: 51.939 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 95 Resp: 97260  
Ion Ratio Lower Upper  
95 100  
174 78.2 0.0 171.2  
176 75.0 0.0 165.0

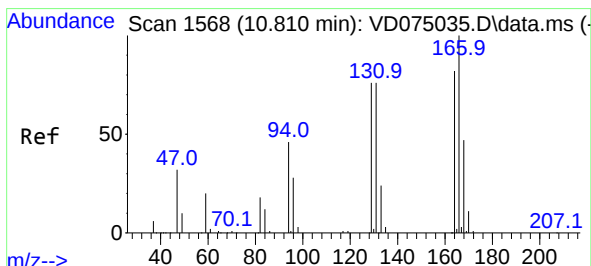
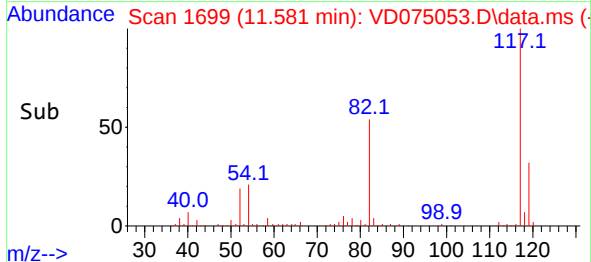
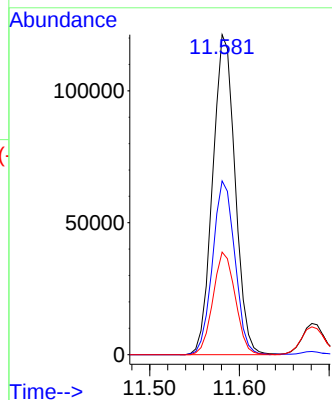
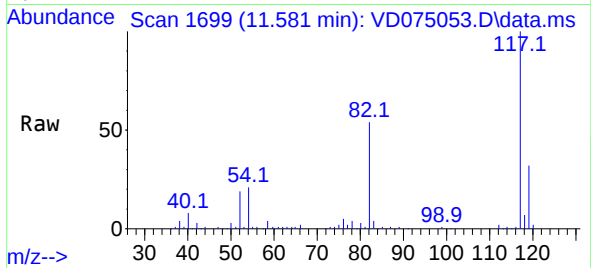




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

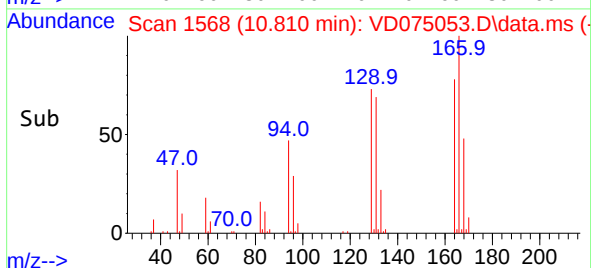
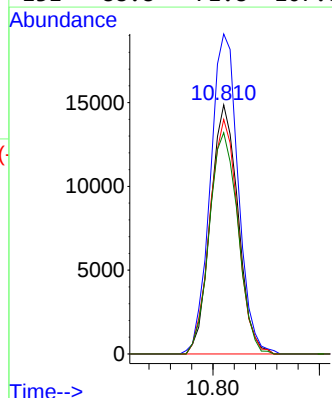
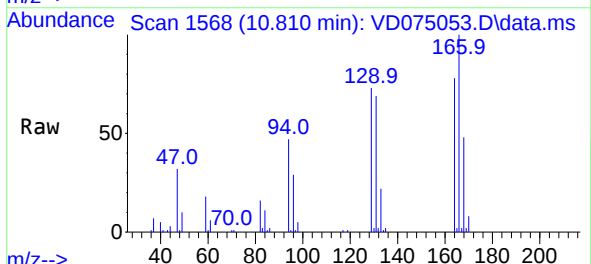
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

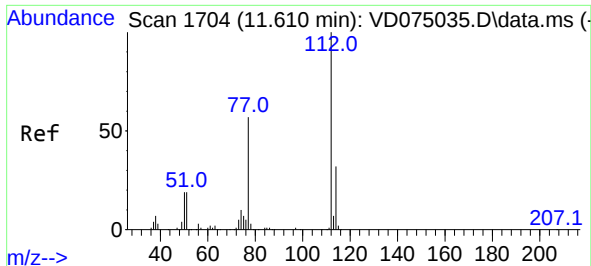
Tgt Ion:117 Resp: 210207  
Ion Ratio Lower Upper  
117 100  
82 54.3 40.9 61.3  
119 32.1 25.5 38.3



#64  
Tetrachloroethene  
Concen: 21.679 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion:164 Resp: 26674  
Ion Ratio Lower Upper  
164 100  
166 128.4 99.4 149.0  
129 94.1 76.7 115.1  
131 88.8 71.8 107.8

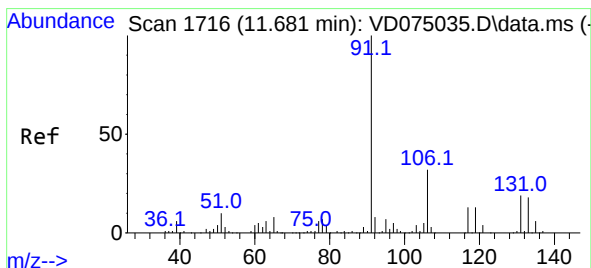
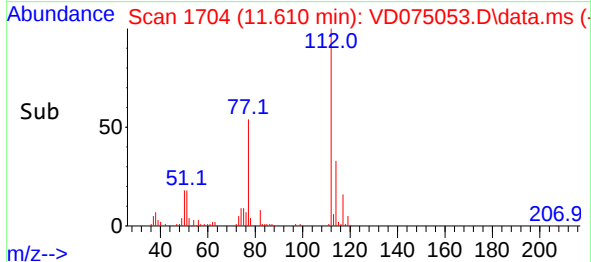
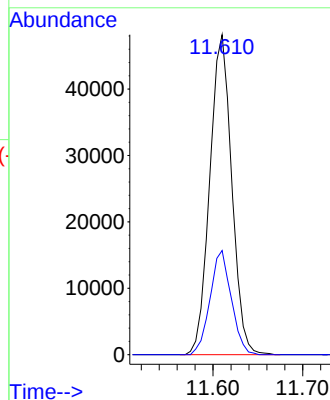
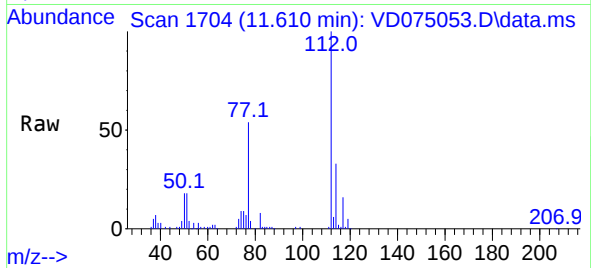




#65  
Chlorobenzene  
Concen: 21.324 ug/l  
RT: 11.610 min Scan# 1704  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

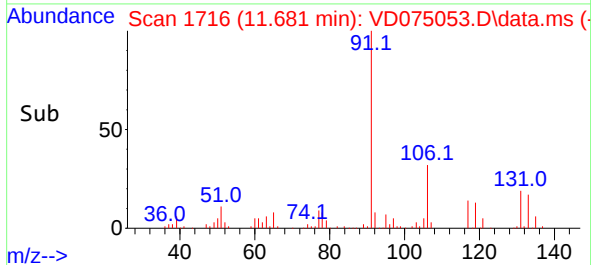
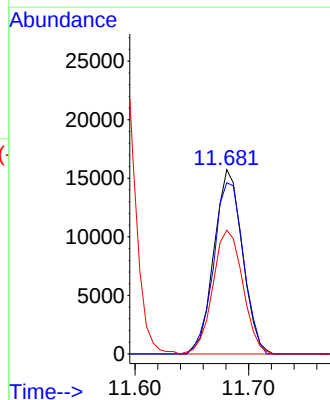
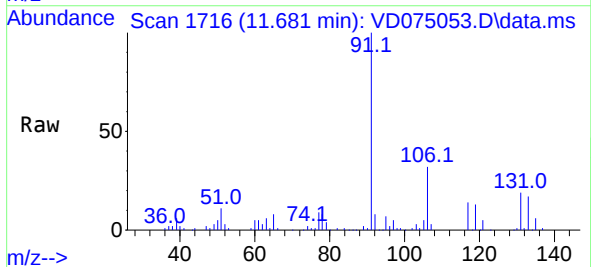
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

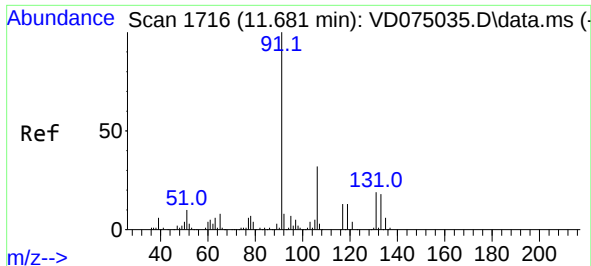
Tgt Ion:112 Resp: 81865  
Ion Ratio Lower Upper  
112 100  
114 32.6 26.0 39.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.593 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion:131 Resp: 27378  
Ion Ratio Lower Upper  
131 100  
133 97.4 48.5 145.6  
119 70.7 34.2 102.5

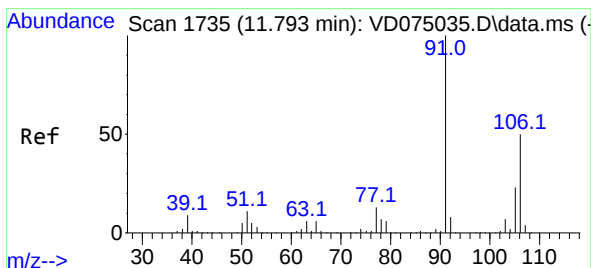
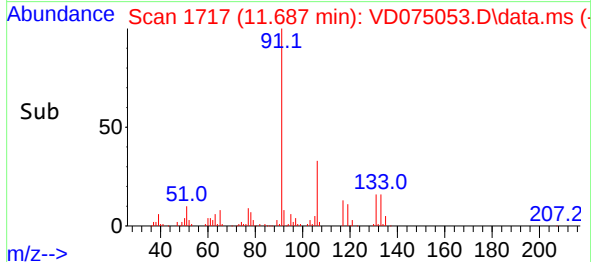
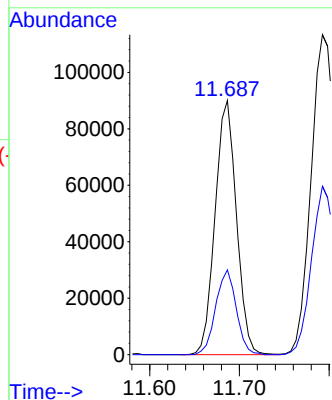
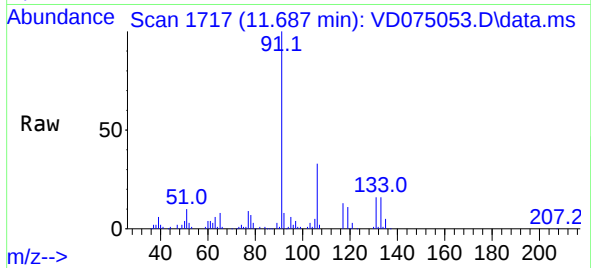




#67  
Ethyl Benzene  
Concen: 21.188 ug/l  
RT: 11.687 min Scan# 1716  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

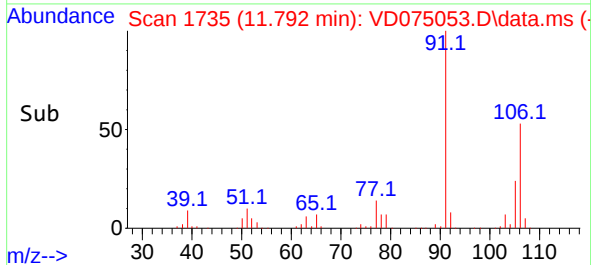
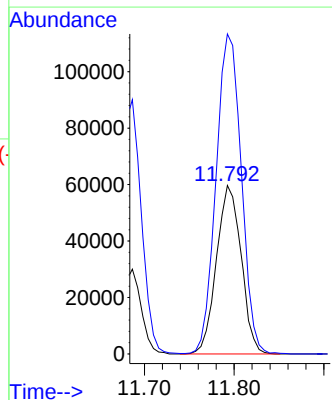
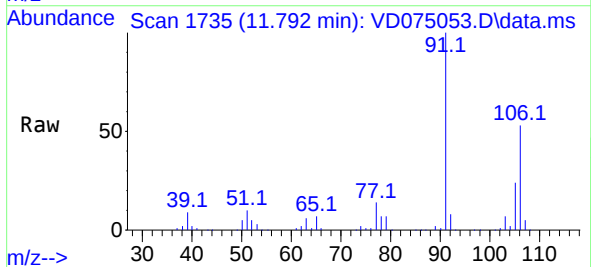
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

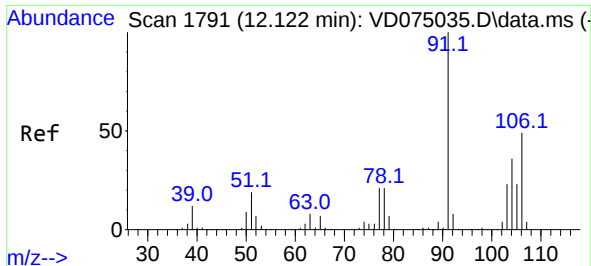
Tgt Ion: 91 Resp: 148881  
Ion Ratio Lower Upper  
91 100  
106 33.4 24.9 37.3



#68  
m/p-Xylenes  
Concen: 42.802 ug/l  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.001 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion:106 Resp: 114028  
Ion Ratio Lower Upper  
106 100  
91 194.7 156.3 234.5

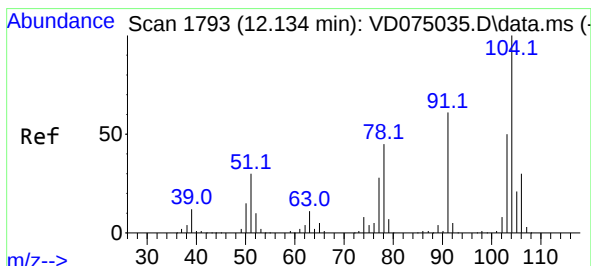
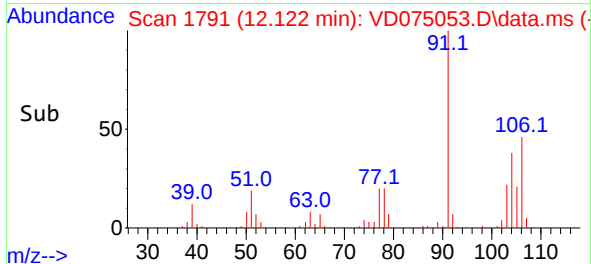
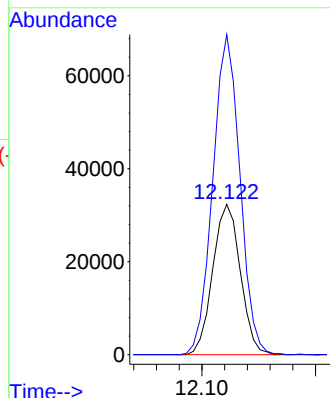
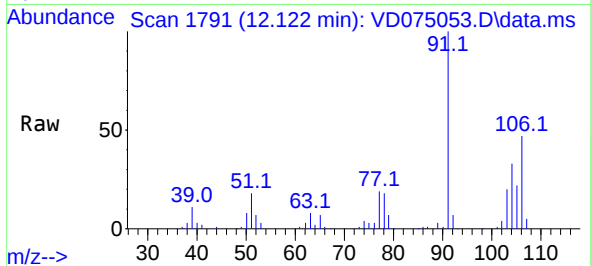




#69  
o-Xylene  
Concen: 21.242 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

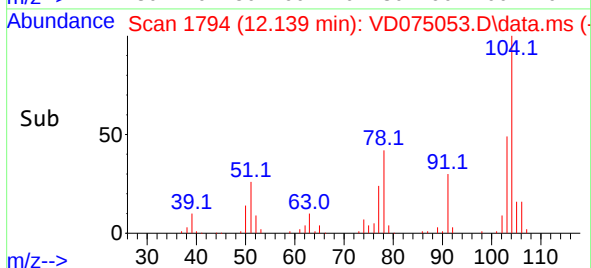
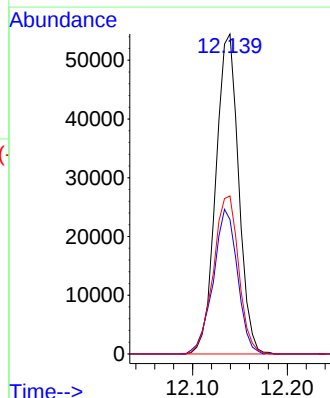
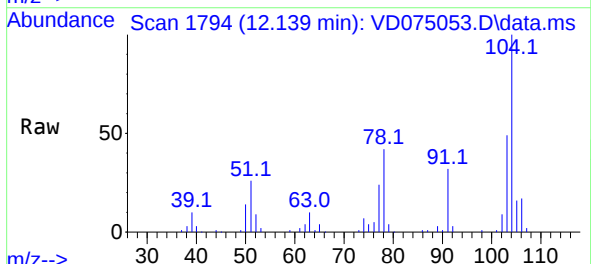
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

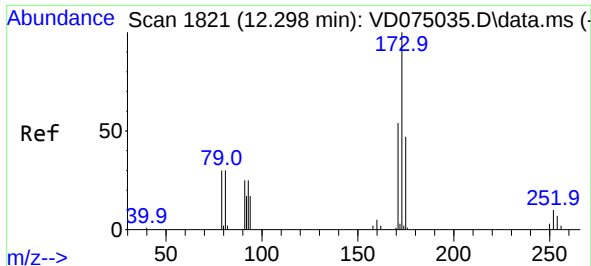
Tgt Ion:106 Resp: 54436  
Ion Ratio Lower Upper  
106 100  
91 209.8 102.7 308.1



#70  
Styrene  
Concen: 21.175 ug/l  
RT: 12.139 min Scan# 1794  
Delta R.T. 0.005 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion:104 Resp: 91233  
Ion Ratio Lower Upper  
104 100  
78 48.0 35.5 53.3  
103 54.6 43.9 65.9

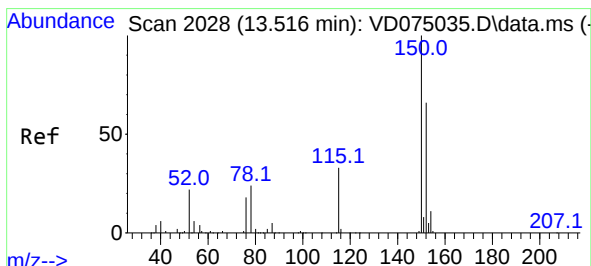
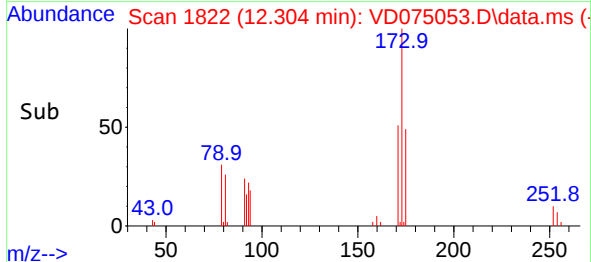
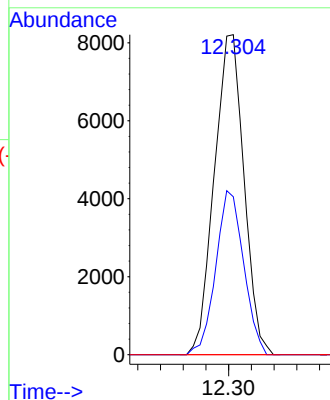
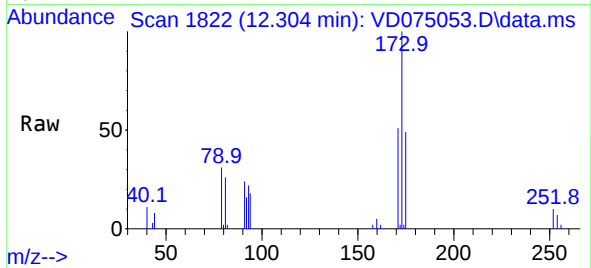




#71  
Bromoform  
Concen: 20.634 ug/l  
RT: 12.304 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

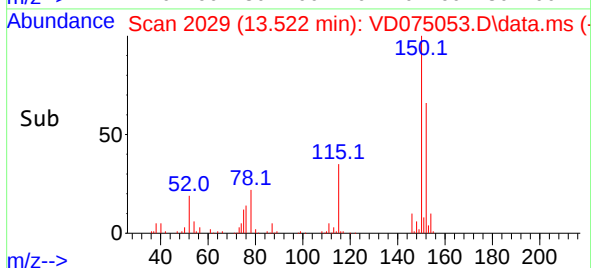
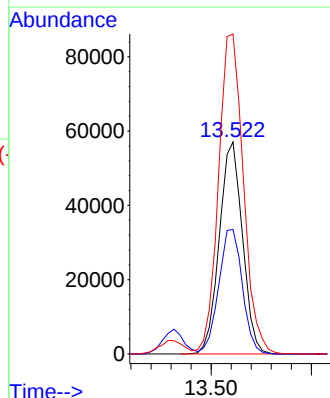
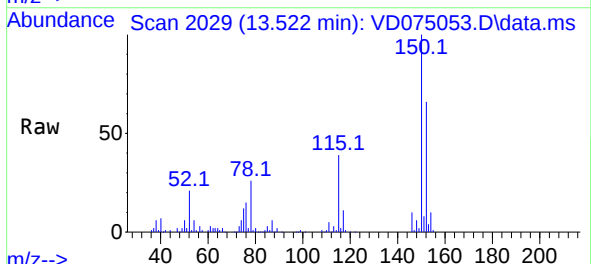
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

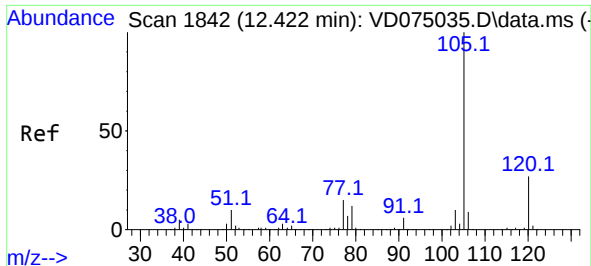
Tgt Ion:173 Resp: 14884  
Ion Ratio Lower Upper  
173 100  
175 48.2 24.4 73.4  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion:152 Resp: 91374  
Ion Ratio Lower Upper  
152 100  
115 60.0 28.8 86.5  
150 162.6 0.0 354.2

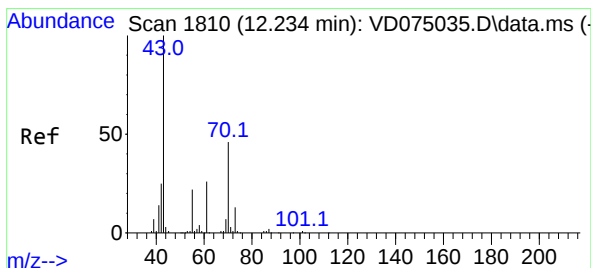
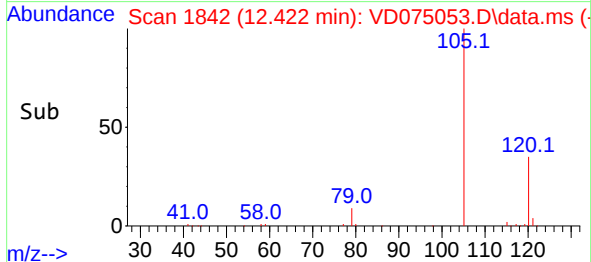
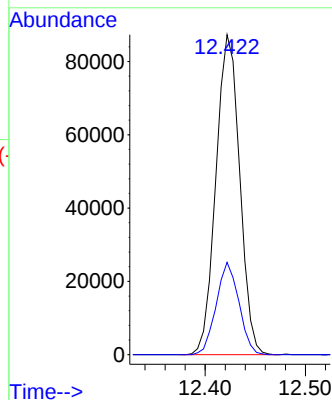
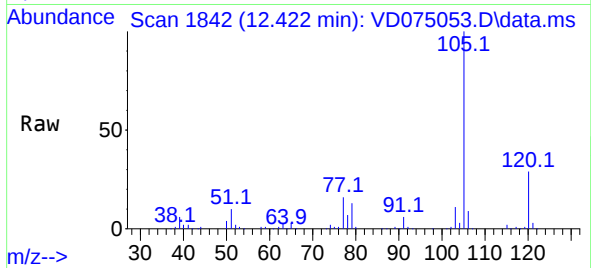




#73  
Isopropylbenzene  
Concen: 20.502 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

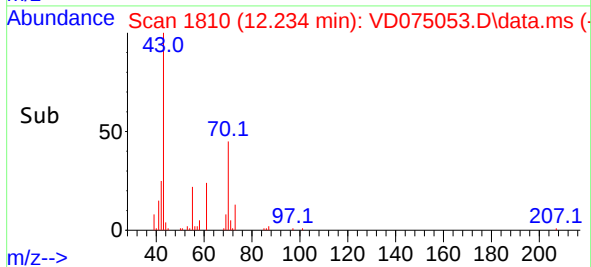
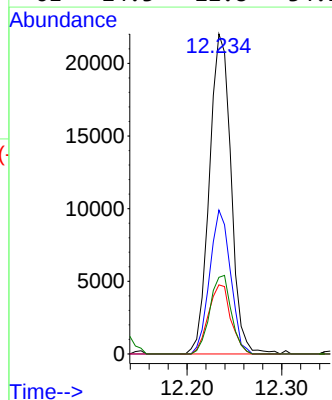
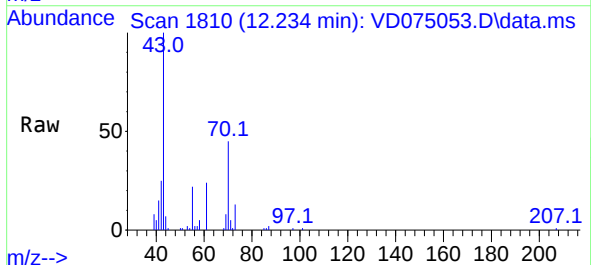
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

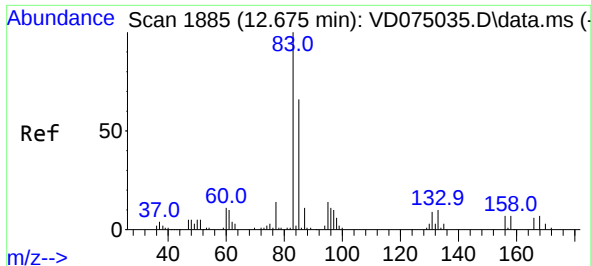
Tgt Ion:105 Resp: 143627  
Ion Ratio Lower Upper  
105 100  
120 27.5 13.2 39.6



#74  
N-ethyl acetate  
Concen: 19.636 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 43 Resp: 34916  
Ion Ratio Lower Upper  
43 100  
70 43.3 40.6 60.8  
55 22.3 22.0 33.0  
61 24.3 22.8 34.2

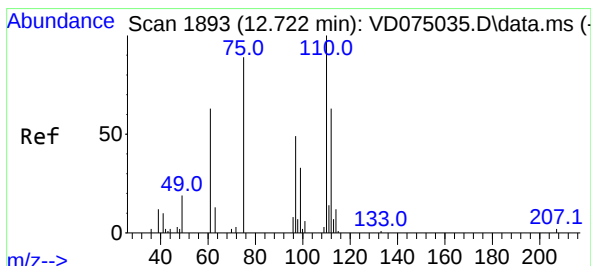
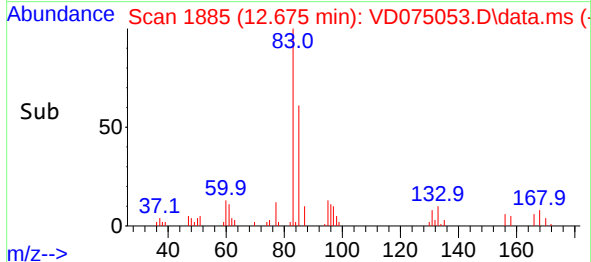
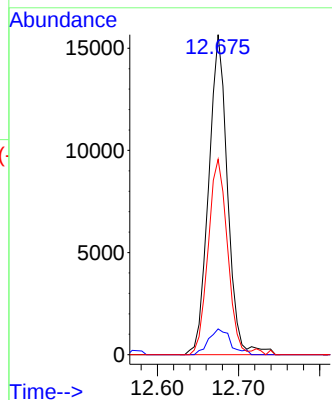
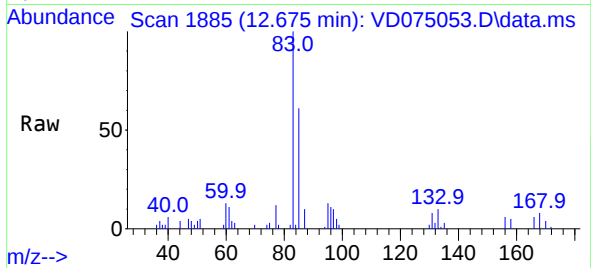




#75  
1,1,2,2-Tetrachloroethane  
Concen: 20.304 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

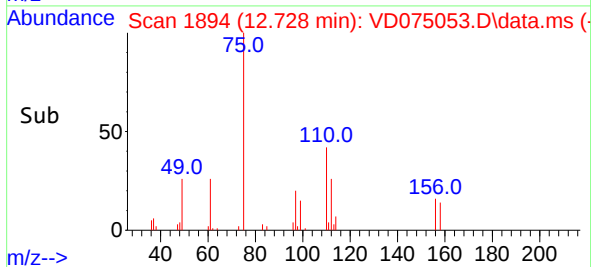
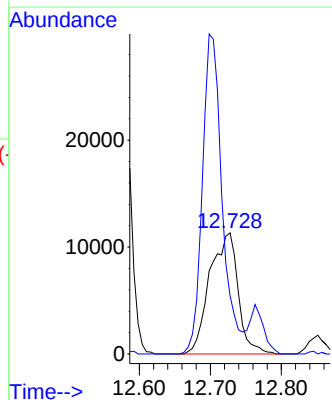
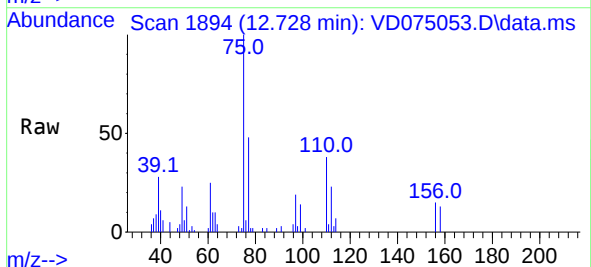
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

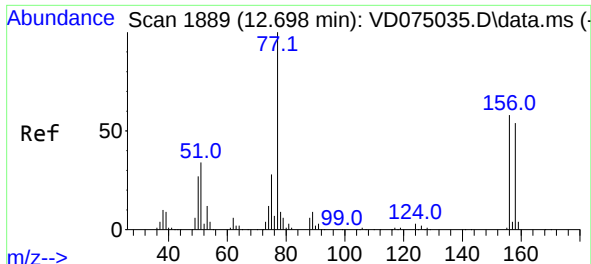
Tgt Ion: 83 Resp: 25364  
Ion Ratio Lower Upper  
83 100  
131 9.3 4.9 14.6  
85 62.2 32.6 97.7



#76  
1,2,3-Trichloropropane  
Concen: 33.538 ug/l  
RT: 12.728 min Scan# 1894  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 75 Resp: 31422  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

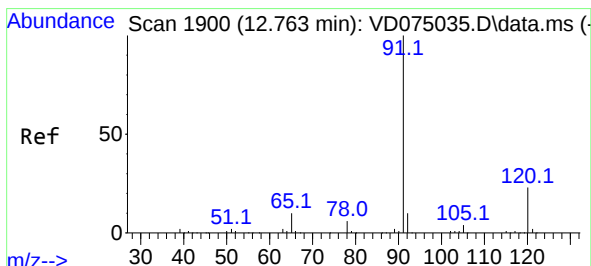
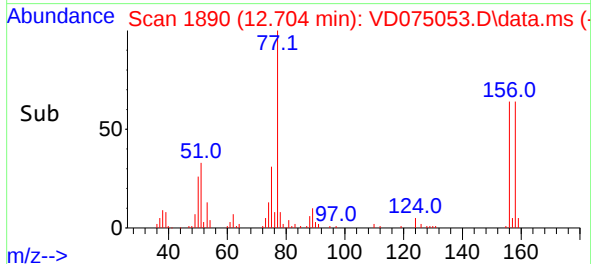
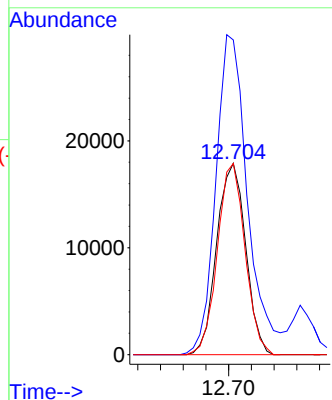
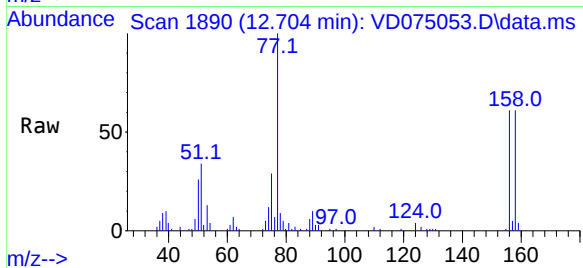




#77  
Bromobenzene  
Concen: 21.129 ug/l  
RT: 12.704 min Scan# 1889  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

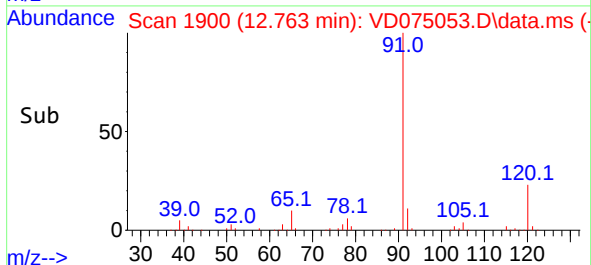
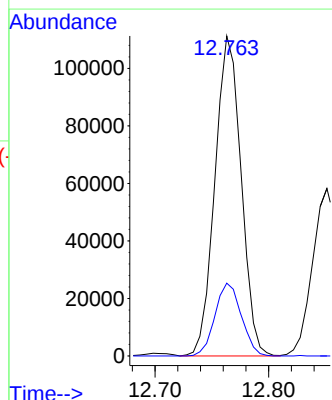
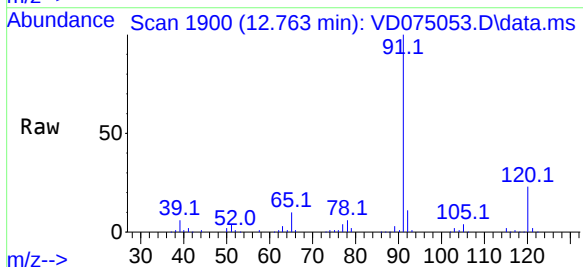
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

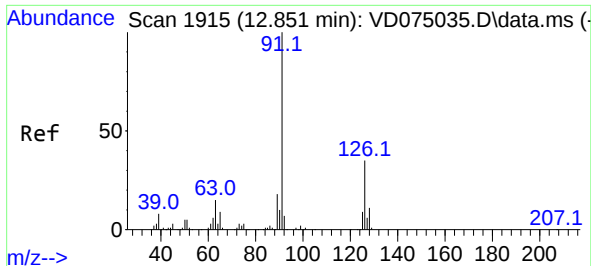
Tgt Ion:156 Resp: 31596  
Ion Ratio Lower Upper  
156 100  
77 182.9 86.3 258.9  
158 95.7 48.3 144.9



#78  
n-propylbenzene  
Concen: 20.778 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 91 Resp: 178295  
Ion Ratio Lower Upper  
91 100  
120 22.8 11.6 34.7

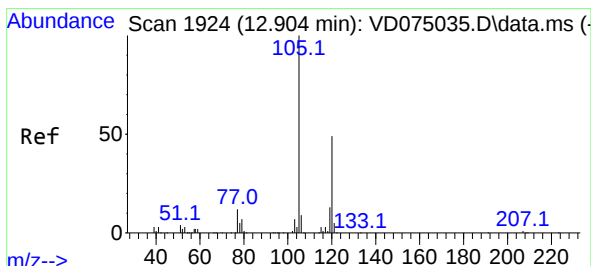
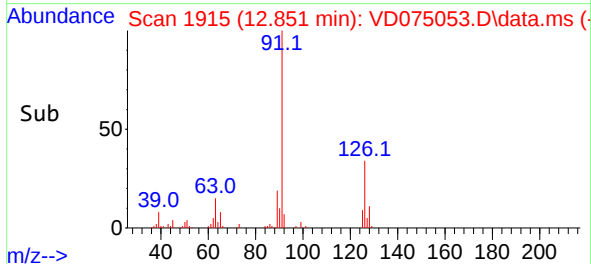
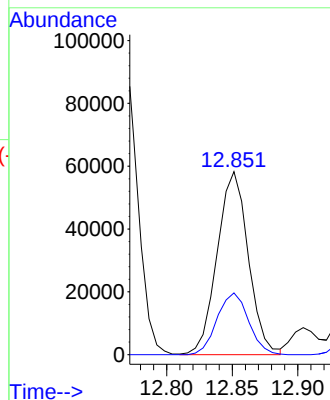
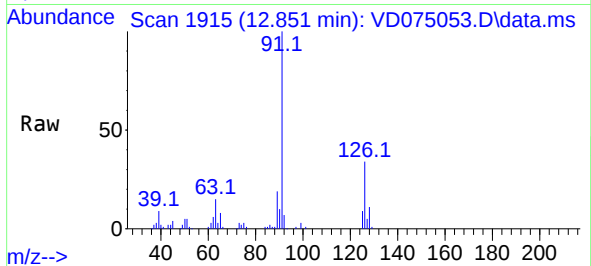




#79  
2-Chlorotoluene  
Concen: 20.556 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

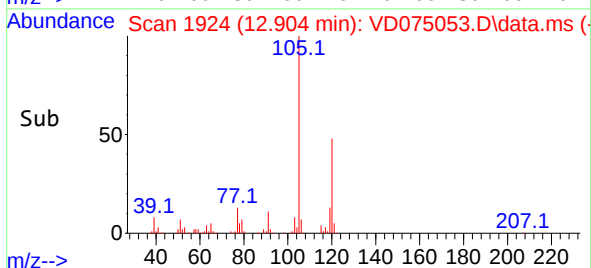
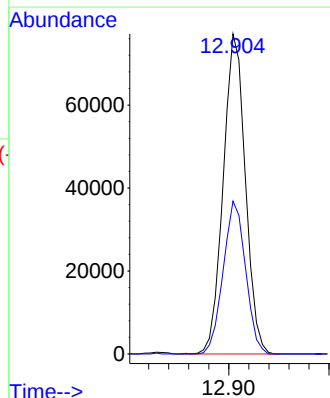
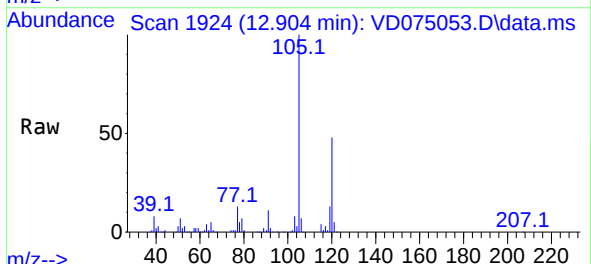
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

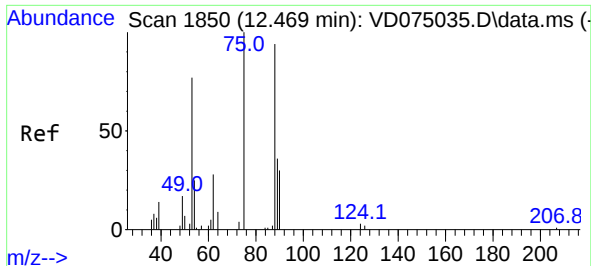
Tgt Ion: 91 Resp: 96362  
Ion Ratio Lower Upper  
91 100  
126 34.0 18.0 54.0



#80  
1,3,5-Trimethylbenzene  
Concen: 20.910 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 105 Resp: 118130  
Ion Ratio Lower Upper  
105 100  
120 48.3 25.1 75.3



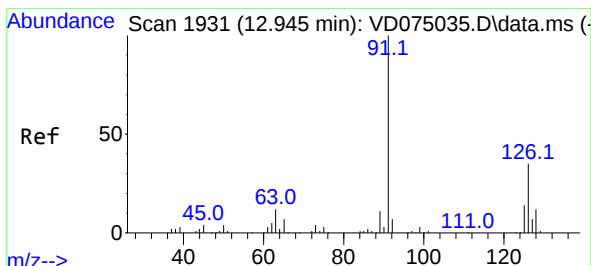
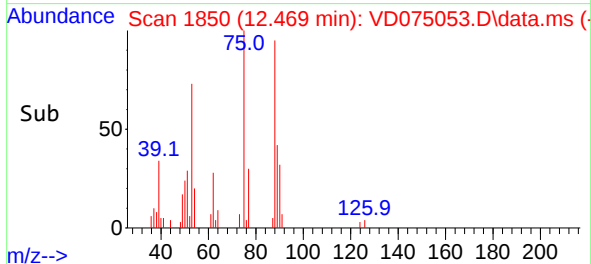
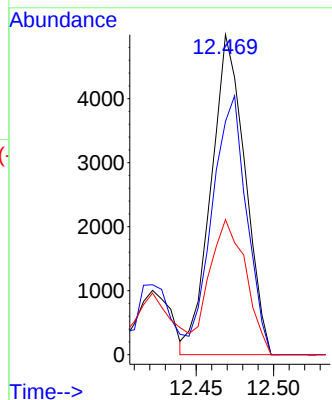
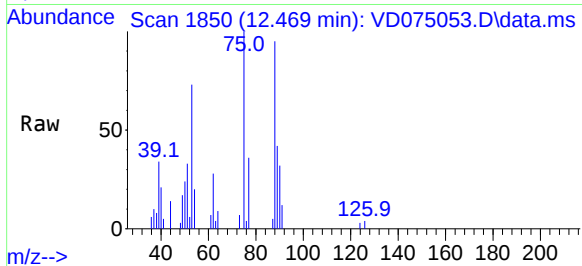


#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.818 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

Tgt Ion: 75 Resp: 7607

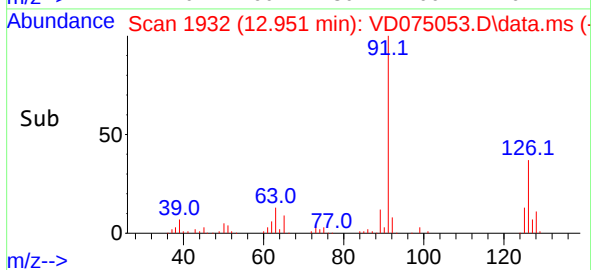
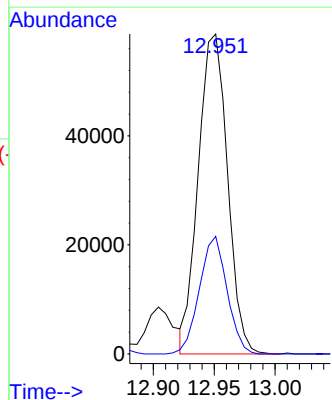
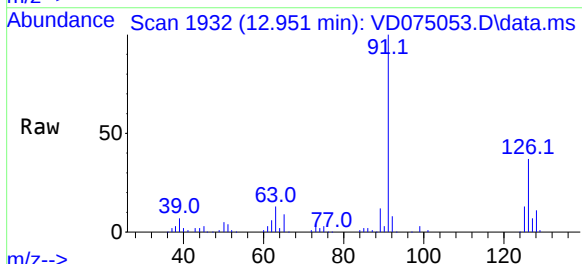
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 53  | 81.2  | 60.0  | 90.0  |
| 89  | 45.5  | 37.4  | 56.0  |

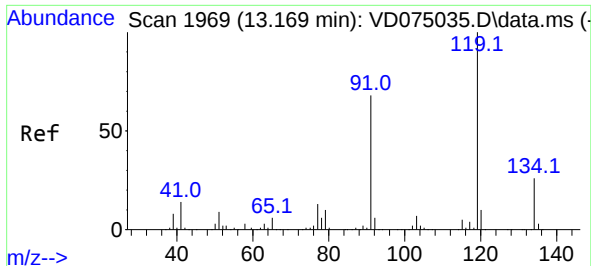


#82  
4-Chlorotoluene  
Concen: 20.489 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion: 91 Resp: 97999

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 126 | 34.8  | 18.1  | 54.1  |

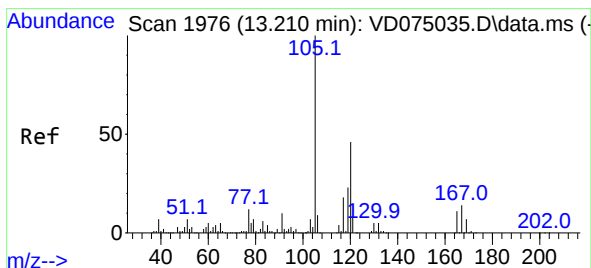
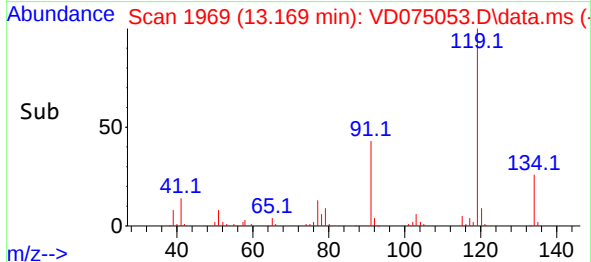
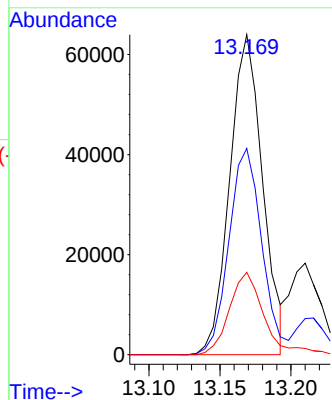
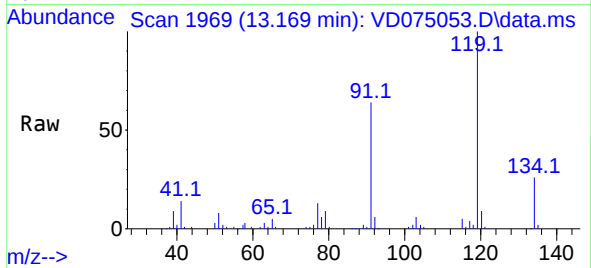




#83  
tert-Butylbenzene  
Concen: 20.617 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

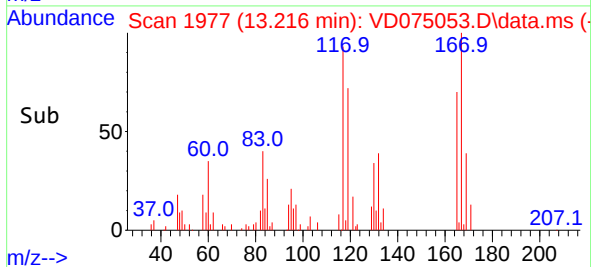
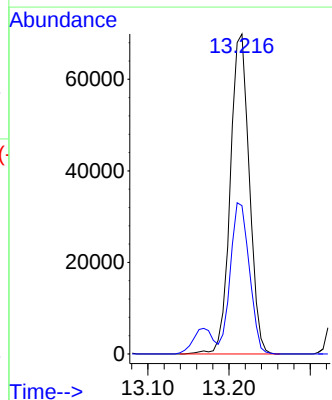
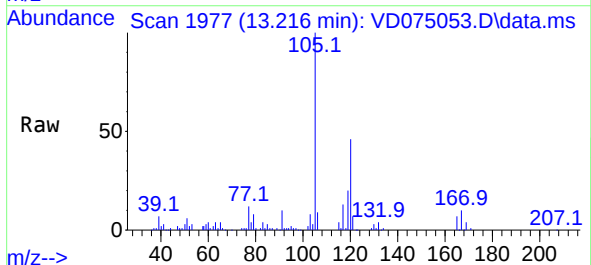
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

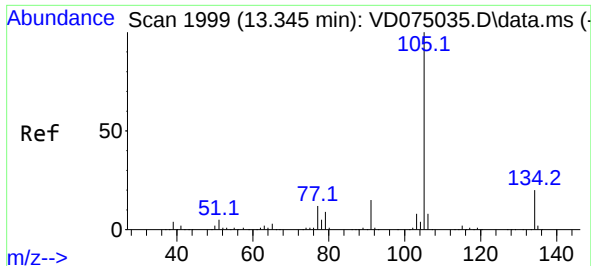
Tgt Ion:119 Resp: 103116  
Ion Ratio Lower Upper  
119 100  
91 64.8 31.2 93.6  
134 27.2 13.8 41.3



#84  
1,2,4-Trimethylbenzene  
Concen: 20.624 ug/l  
RT: 13.216 min Scan# 1977  
Delta R.T. 0.006 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion:105 Resp: 113330  
Ion Ratio Lower Upper  
105 100  
120 47.1 23.1 69.3

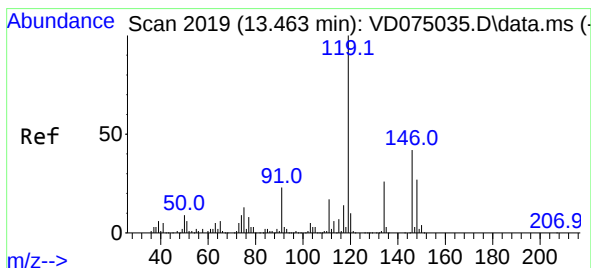
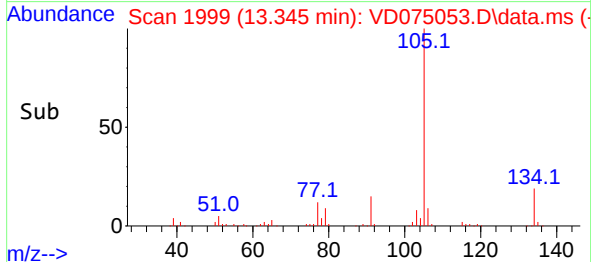
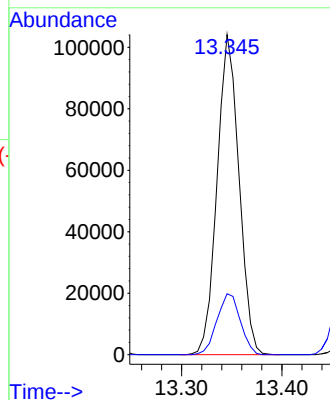
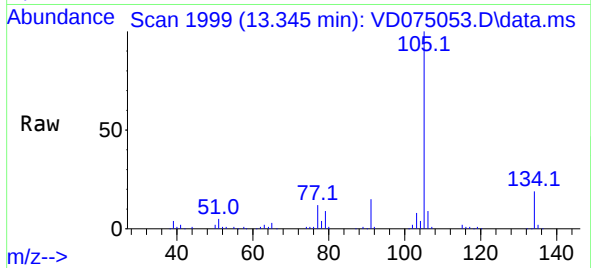




#85  
 sec-Butylbenzene  
 Concen: 20.561 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. 0.000 min  
 Lab File: VD075053.D  
 Acq: 27 Dec 2022 14:58

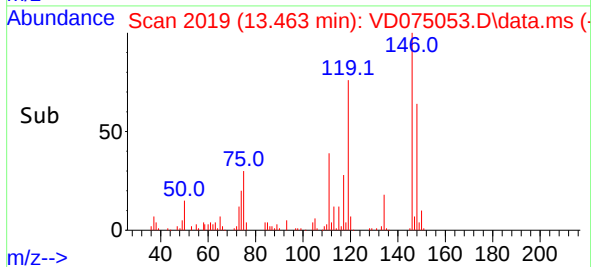
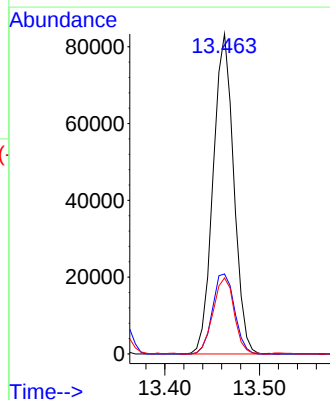
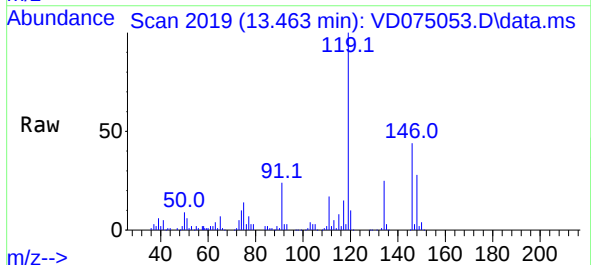
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBSD01

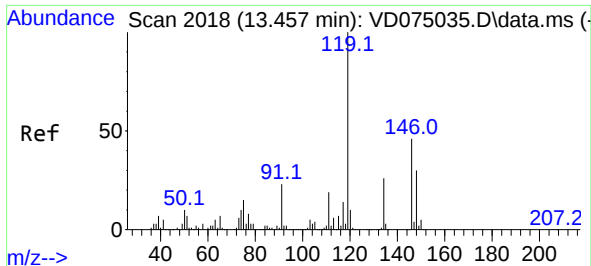
Tgt Ion:105 Resp: 157882  
 Ion Ratio Lower Upper  
 105 100  
 134 20.3 10.1 30.1



#86  
 p-Isopropyltoluene  
 Concen: 20.515 ug/l  
 RT: 13.463 min Scan# 2019  
 Delta R.T. -0.000 min  
 Lab File: VD075053.D  
 Acq: 27 Dec 2022 14:58

Tgt Ion:119 Resp: 125666  
 Ion Ratio Lower Upper  
 119 100  
 134 26.8 13.4 40.2  
 91 24.4 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 21.013 ug/l

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBS01

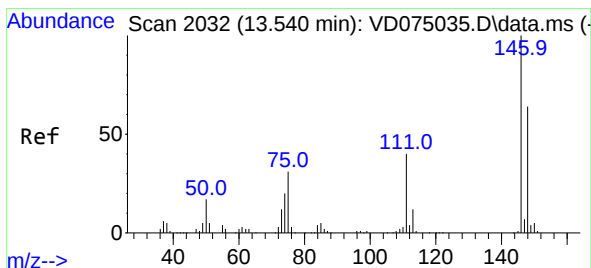
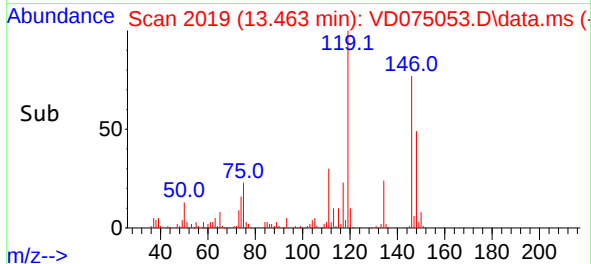
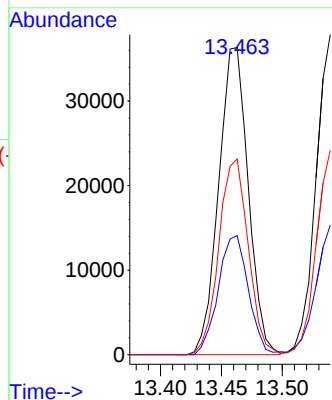
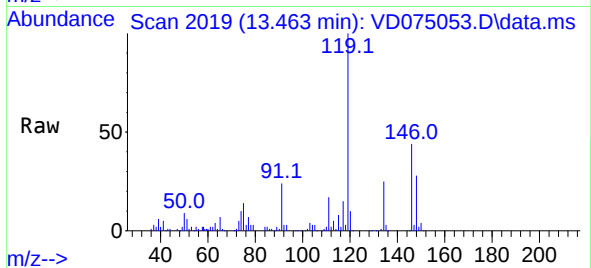
Tgt Ion:146 Resp: 61394

Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.5

148 63.4 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 20.791 ug/l

RT: 13.539 min Scan# 2032

Delta R.T. -0.001 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

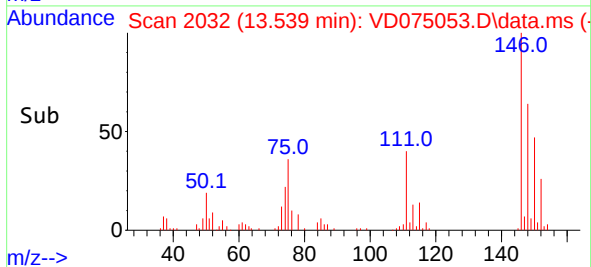
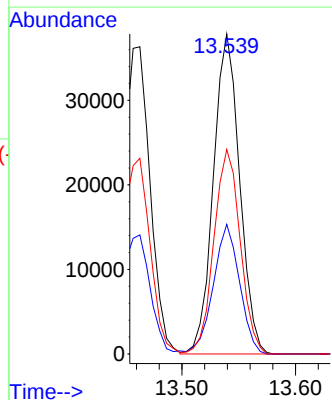
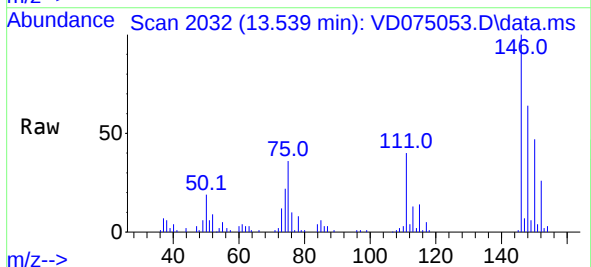
Tgt Ion:146 Resp: 60680

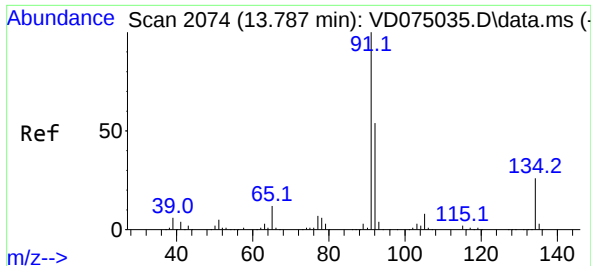
Ion Ratio Lower Upper

146 100

111 40.4 18.6 55.6

148 64.2 32.0 96.2





#89

n-Butylbenzene

Concen: 20.452 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. -0.001 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBSD01

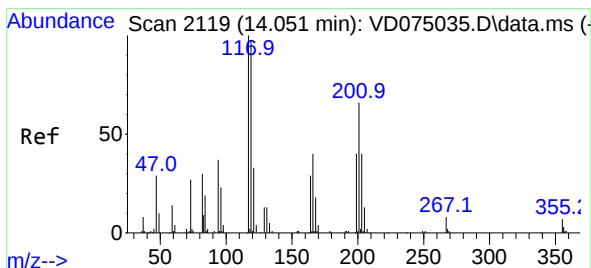
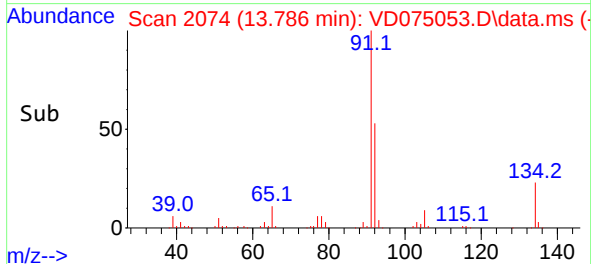
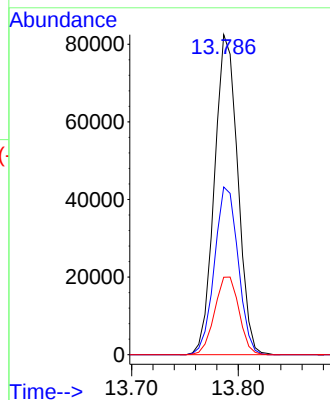
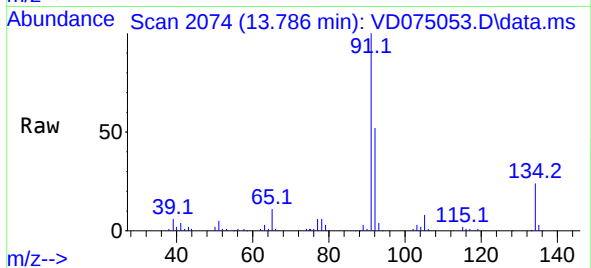
Tgt Ion: 91 Resp: 125127

Ion Ratio Lower Upper

91 100

92 53.3 26.8 80.3

134 25.4 13.3 39.8



#90

Hexachloroethane

Concen: 20.007 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. 0.006 min

Lab File: VD075053.D

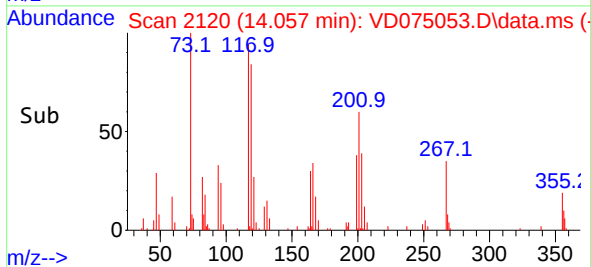
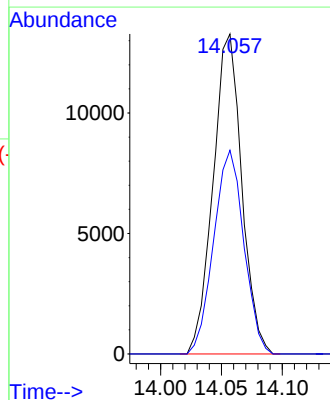
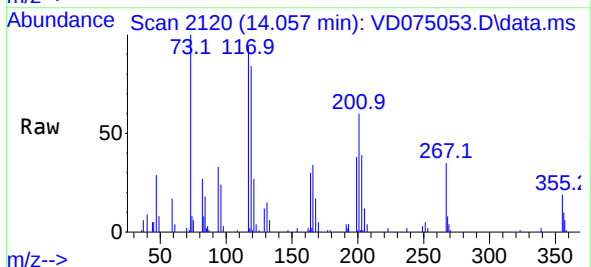
Acq: 27 Dec 2022 14:58

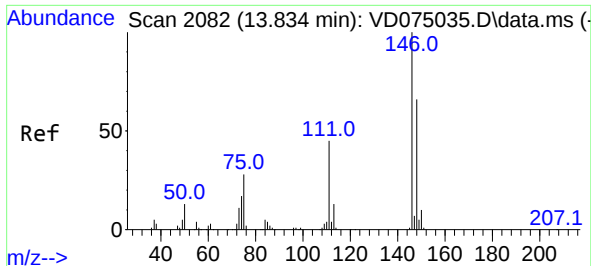
Tgt Ion: 117 Resp: 21778

Ion Ratio Lower Upper

117 100

201 66.8 35.1 105.3





#91

1,2-Dichlorobenzene

Concen: 20.825 ug/l

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBSD01

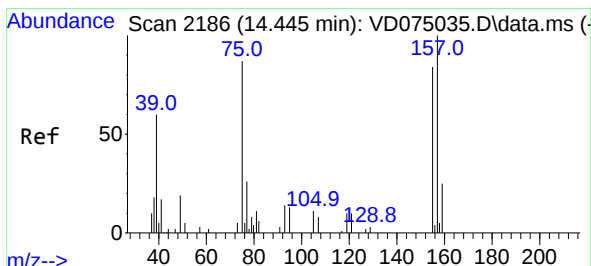
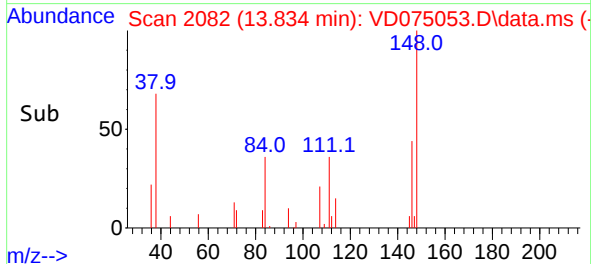
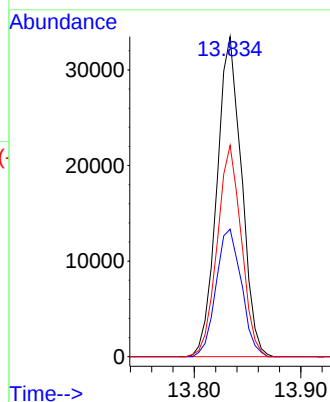
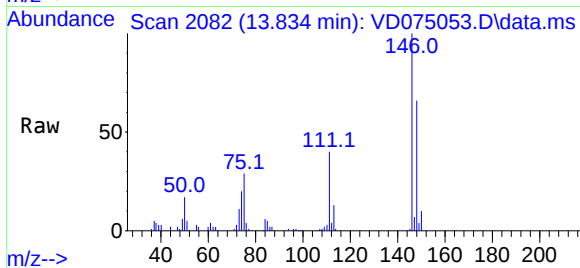
Tgt Ion:146 Resp: 53763

Ion Ratio Lower Upper

146 100

111 41.1 19.9 59.7

148 64.6 31.9 95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.181 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD075053.D

Acq: 27 Dec 2022 14:58

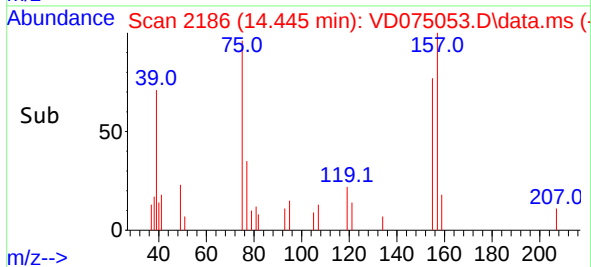
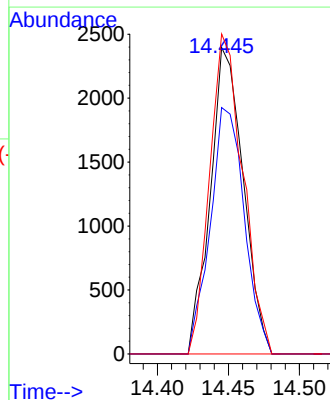
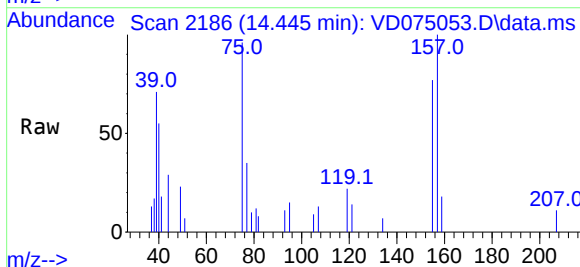
Tgt Ion: 75 Resp: 3874

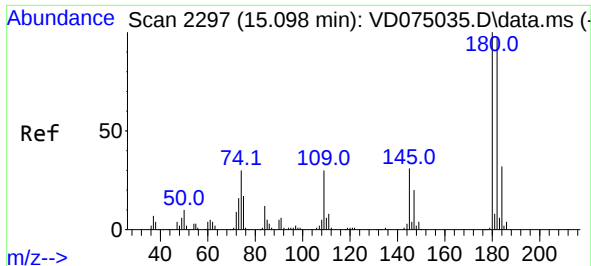
Ion Ratio Lower Upper

75 100

155 82.7 47.1 141.4

157 104.4 56.7 170.1

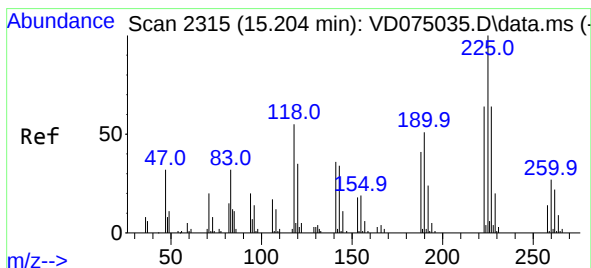
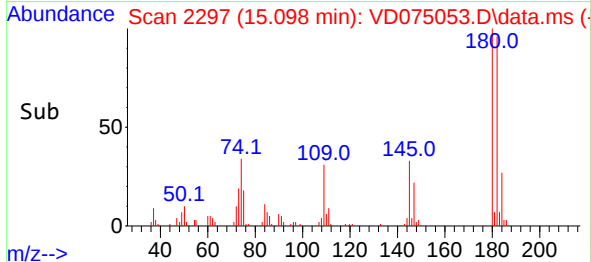
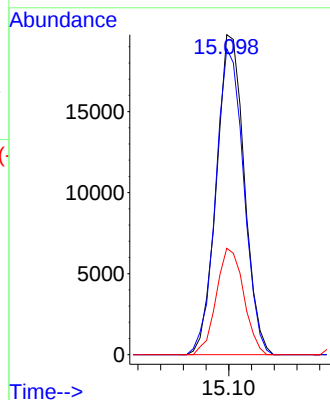
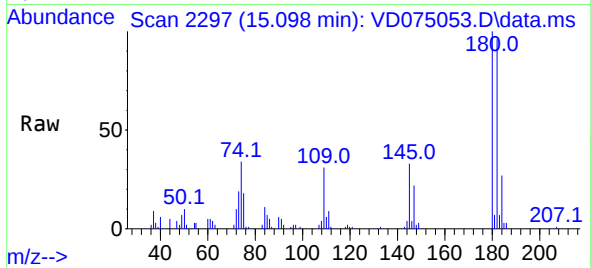




#93  
1,2,4-Trichlorobenzene  
Concen: 19.850 ug/l  
RT: 15.098 min Scan# 2297  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

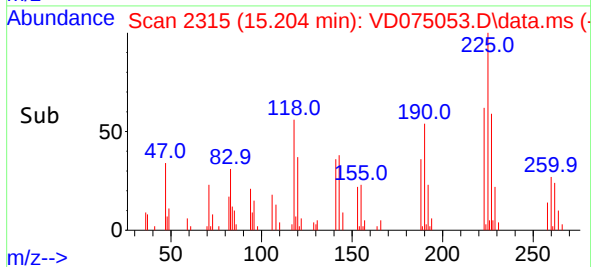
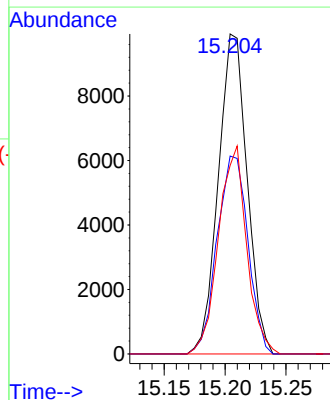
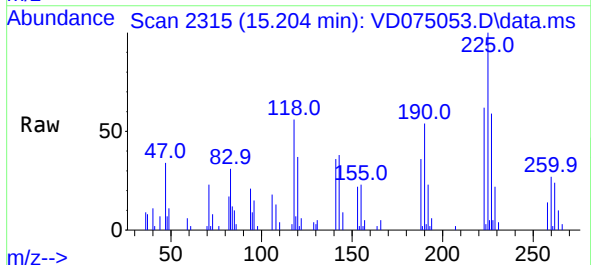
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

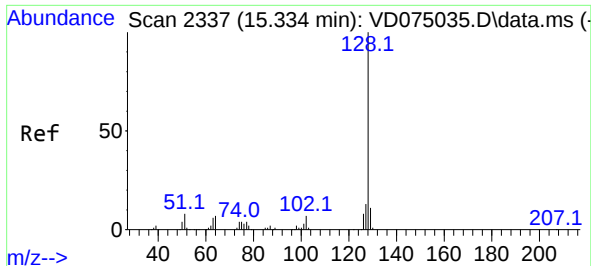
Tgt Ion:180 Resp: 33672  
Ion Ratio Lower Upper  
180 100  
182 96.1 48.5 145.5  
145 32.6 14.9 44.5



#94  
Hexachlorobutadiene  
Concen: 19.271 ug/l  
RT: 15.204 min Scan# 2315  
Delta R.T. 0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Tgt Ion:225 Resp: 16342  
Ion Ratio Lower Upper  
225 100  
223 66.2 31.0 93.0  
227 63.5 31.0 93.0

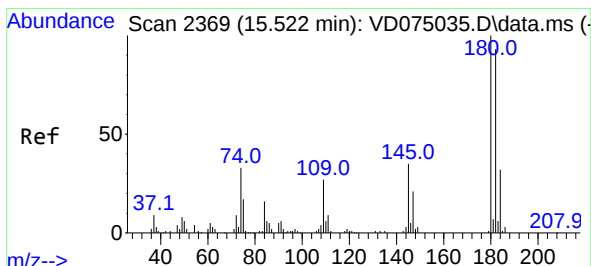
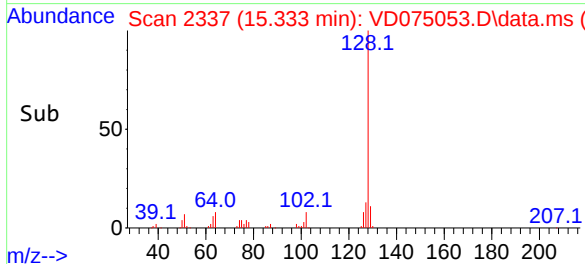
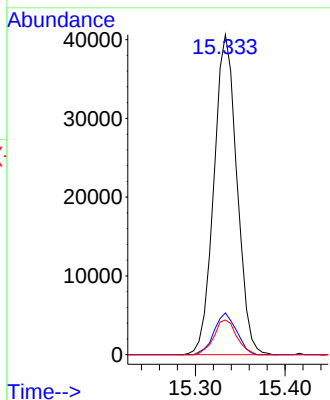
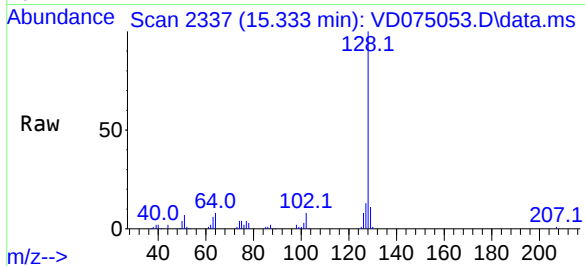




#95  
Naphthalene  
Concen: 20.397 ug/l  
RT: 15.333 min Scan# 211  
Delta R.T. -0.001 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 72218 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.7  | 10.6  | 16.0  |
| 129      | 10.8  | 8.7   | 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 20.324 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.000 min  
Lab File: VD075053.D  
Acq: 27 Dec 2022 14:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 29588 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 92.8  | 46.3  | 138.9 |
| 145      | 34.3  | 15.3  | 45.9  |

