

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102122\  
 Data File : VD074610.D  
 Acq On : 21 Oct 2022 12:41  
 Operator : VA/SY  
 Sample : VD1021SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1021SBS01

Quant Time: Oct 21 23:09:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 20 06:41:20 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                        |        |       |          |           |        |          |
| Internal Standards           |        |       |          |           |        |          |
| 1) Pentafluorobenzene        | 7.875  | 168   | 86933    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775  | 114   | 143053   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 116411   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516 | 152   | 56187    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228  | 65    | 29540    | 44.507    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery  | =      | 89.020%  |
| 35) Dibromofluoromethane     | 7.805  | 113   | 37580    | 47.357    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery  | =      | 94.720%  |
| 50) Toluene-d8               | 10.269 | 98    | 128529   | 44.889    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery  | =      | 89.780%  |
| 62) 4-Bromofluorobenzene     | 12.569 | 95    | 38389    | 46.469    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery  | =      | 92.940%  |
| Target Compounds             |        |       |          |           |        |          |
|                              |        |       |          |           | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.928  | 85    | 13181    | 19.534    | ug/l   | 88       |
| 3) Chloromethane             | 2.146  | 50    | 19342    | 21.174    | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.281  | 62    | 19489    | 19.293    | ug/l   | 99       |
| 5) Bromomethane              | 2.681  | 94    | 15528    | 20.299    | ug/l   | 100      |
| 6) Chloroethane              | 2.834  | 64    | 14321    | 20.620    | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.170  | 101   | 30427    | 21.250    | ug/l   | 100      |
| 8) Diethyl Ether             | 3.587  | 74    | 8022     | 19.346    | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.964  | 101   | 18453    | 19.984    | ug/l   | 99       |
| 10) Methyl Iodide            | 4.164  | 142   | 17377    | 17.255    | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.040  | 59    | 1368     | Below Cal | #      | 84       |
| 12) 1,1-Dichloroethene       | 3.934  | 96    | 18486    | 20.016    | ug/l   | 95       |
| 13) Acrolein                 | 3.799  | 56    | 7440     | 104.663   | ug/l   | 98       |
| 14) Allyl chloride           | 4.564  | 41    | 19134    | 19.184    | ug/l   | 97       |
| 15) Acrylonitrile            | 5.252  | 53    | 16905    | 99.751    | ug/l   | 97       |
| 16) Acetone                  | 4.017  | 43    | 13840    | 95.491    | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.270  | 76    | 45969    | 18.190    | ug/l   | 99       |
| 18) Methyl Acetate           | 4.570  | 43    | 9220     | 21.925    | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.311  | 73    | 36368    | 20.152    | ug/l   | 94       |
| 20) Methylene Chloride       | 4.805  | 84    | 25787    | 16.368    | ug/l   | # 91     |
| 21) trans-1,2-Dichloroethene | 5.311  | 96    | 20688    | 20.094    | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.211  | 45    | 40862    | 20.303    | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.158  | 43    | 62939    | 71.514    | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.111  | 63    | 30913    | 19.790    | ug/l   | 99       |
| 25) 2-Butanone               | 7.081  | 43    | 18069    | 93.231    | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 7.081  | 77    | 28537    | 19.114    | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.081  | 96    | 22930    | 20.080    | ug/l   | 98       |
| 28) Bromochloromethane       | 7.428  | 49    | 5994     | 16.595    | ug/l   | # 100    |
| 29) Tetrahydrofuran          | 7.452  | 42    | 10550    | 99.805    | ug/l   | 99       |
| 30) Chloroform               | 7.593  | 83    | 34839    | 20.728    | ug/l   | 99       |
| 31) Cyclohexane              | 7.881  | 56    | 24928    | 18.697    | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 7.793  | 97    | 31924    | 20.712    | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.011  | 75    | 25073    | 19.510    | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.164  | 43    | 7726     | 19.055    | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.993  | 117   | 24962    | 19.836    | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.275  | 83    | 30273    | 19.716    | ug/l   | 96       |
| 40) Benzene                  | 8.252  | 78    | 76545    | 20.070    | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102122\  
 Data File : VD074610.D  
 Acq On : 21 Oct 2022 12:41  
 Operator : VA/SY  
 Sample : VD1021SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1021SBS01

Quant Time: Oct 21 23:09:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 20 06:41:20 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.411  | 41   | 4167     | 19.075  | ug/l # | 92       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 17742    | 20.158  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.358  | 43   | 15043    | 19.963  | ug/l   | 99       |
| 44) Trichloroethene           | 9.028  | 130  | 22997    | 20.582  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 17321    | 20.694  | ug/l   | 95       |
| 46) Dibromomethane            | 9.399  | 93   | 9478     | 19.623  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.587  | 83   | 25849    | 21.631  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.375  | 41   | 7043     | 20.452  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 2181     | 458.809 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 37201    | 99.255  | ug/l   | 99       |
| 52) Toluene                   | 10.334 | 92   | 46162    | 19.626  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 19377    | 18.442  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 27109    | 20.463  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 12739    | 19.197  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 13501    | 18.612  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 20621    | 19.155  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 9836     | 81.595  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.916 | 43   | 24395    | 95.360  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.075 | 129  | 15738    | 19.676  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 11648    | 19.229  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.810 | 164  | 16618    | 19.313  | ug/l   | 100      |
| 65) Chlorobenzene             | 11.610 | 112  | 50688    | 20.672  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 17455    | 20.719  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.687 | 91   | 87275    | 20.440  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 69419    | 40.889  | ug/l   | 97       |
| 69) o-Xylene                  | 12.122 | 106  | 33250    | 21.044  | ug/l   | 93       |
| 70) Styrene                   | 12.134 | 104  | 56663    | 21.294  | ug/l   | 98       |
| 71) Bromoform                 | 12.299 | 173  | 9149     | 20.685  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.422 | 105  | 87386    | 19.942  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 12457    | 19.233  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 14215    | 20.492  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 16575    | 33.785  | ug/l # | 1        |
| 77) Bromobenzene              | 12.698 | 156  | 19852    | 20.073  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.763 | 91   | 107246   | 20.709  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 55529    | 19.793  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 74093    | 20.830  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.463 | 75   | 3644     | 18.981  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.946 | 91   | 58236    | 20.204  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 64406    | 20.297  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 73185    | 20.908  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.340 | 105  | 97525    | 20.480  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 82201    | 20.606  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 41039    | 19.969  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 40922    | 20.340  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.787 | 91   | 74113    | 20.392  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.057 | 117  | 14188    | 20.433  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 35802    | 20.884  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 1705     | 17.772  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 22569    | 19.957  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 12531    | 20.141  | ug/l   | 98       |
| 95) Naphthalene               | 15.328 | 128  | 40491    | 19.020  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 19544    | 20.160  | ug/l   | 99       |

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Acq On : 21 Oct 2022 12:41  
Operator : VA/SY  
Sample : VD1021SBS01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

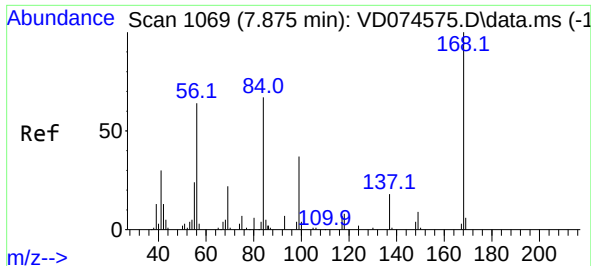
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

Quant Time: Oct 21 23:09:39 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 20 06:41:20 2022  
Response via : Initial Calibration

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

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

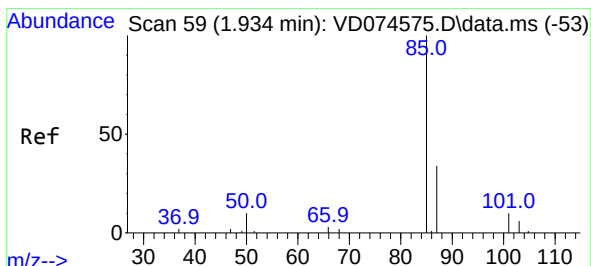
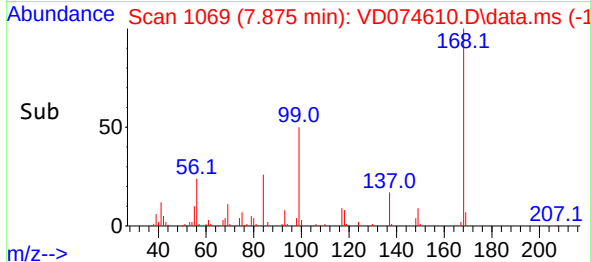
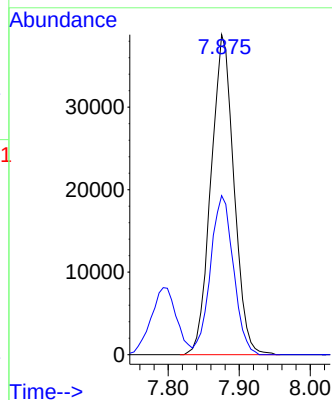
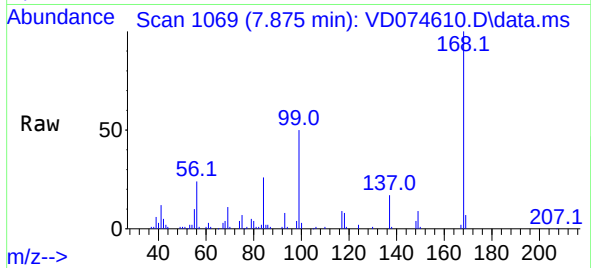




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

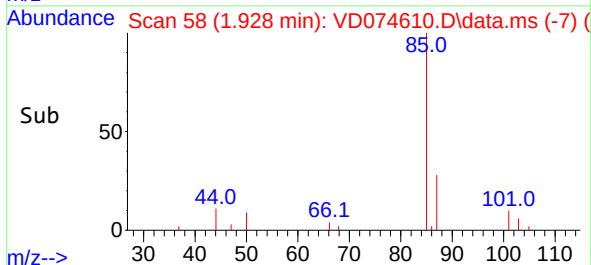
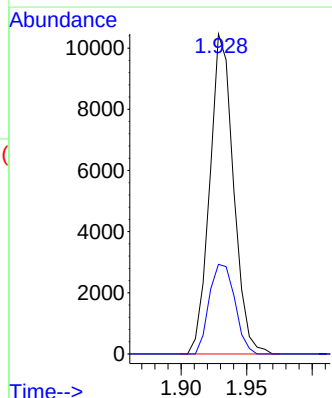
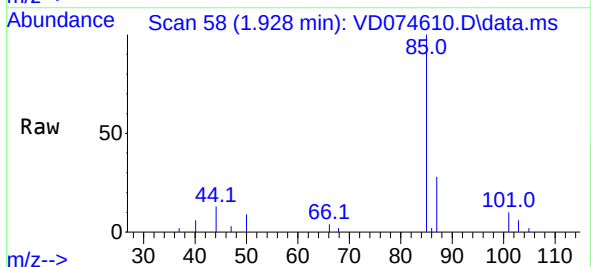
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

Tgt Ion:168 Resp: 86933  
Ion Ratio Lower Upper  
168 100  
99 49.7 40.9 61.3

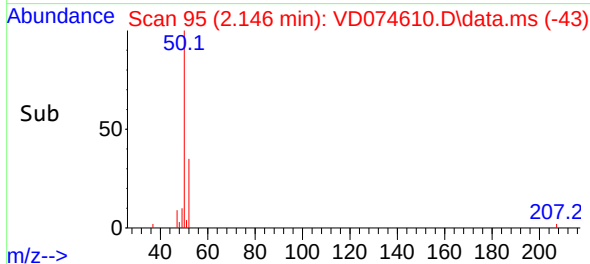
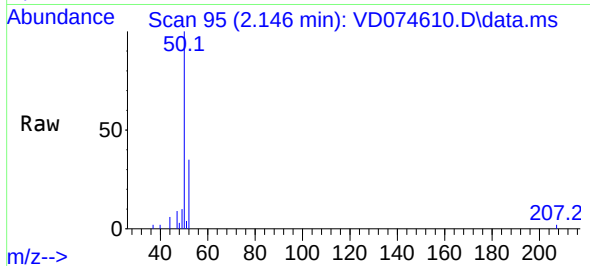
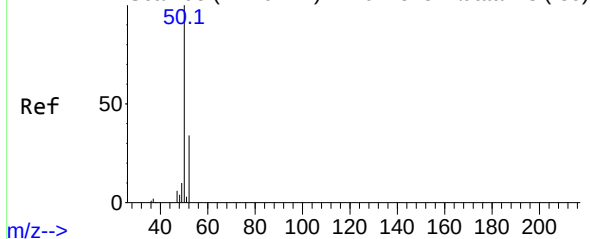


#2  
Dichlorodifluoromethane  
Concen: 19.534 ug/l  
RT: 1.928 min Scan# 58  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 85 Resp: 13181  
Ion Ratio Lower Upper  
85 100  
87 28.0 17.5 52.6



Abundance Scan 95 (2.146 min): VD074575.D\data.ms (-89)



#3

Chloromethane

Concen: 21.174 ug/l

RT: 2.146 min Scan# 95

Delta R.T. 0.006 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

Instrument :

MSVOA\_D

ClientSampleId :

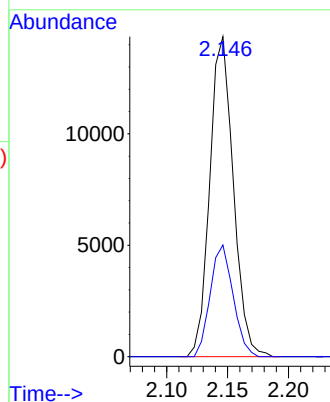
VD1021SBS01

Tgt Ion: 50 Resp: 19342

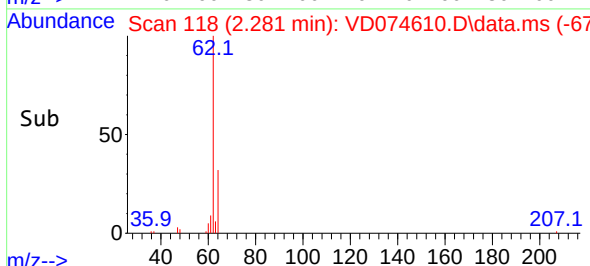
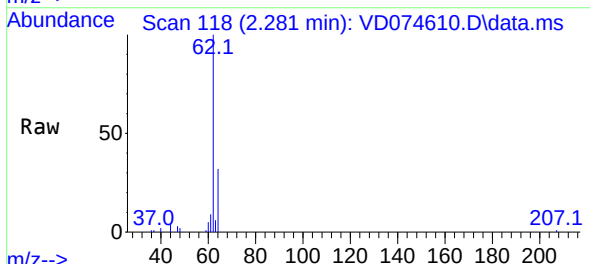
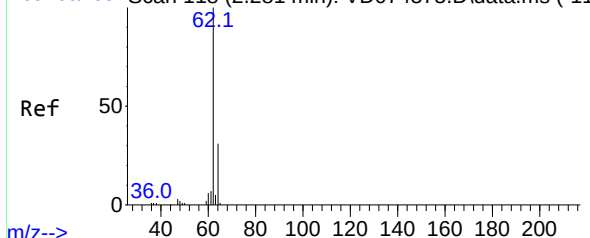
Ion Ratio Lower Upper

50 100

52 34.9 30.0 45.0



Abundance Scan 118 (2.281 min): VD074575.D\data.ms (-11)



#4

Vinyl Chloride

Concen: 19.293 ug/l

RT: 2.281 min Scan# 118

Delta R.T. 0.000 min

Lab File: VD074610.D

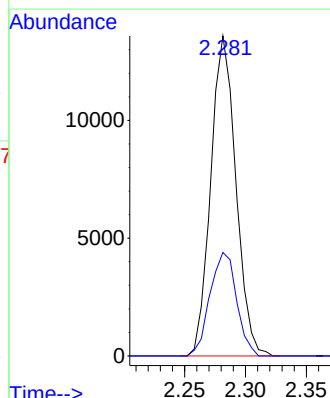
Acq: 21 Oct 2022 12:41

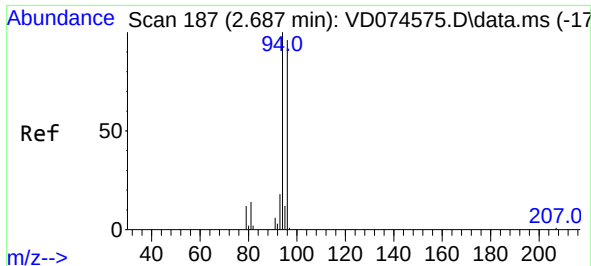
Tgt Ion: 62 Resp: 19489

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3

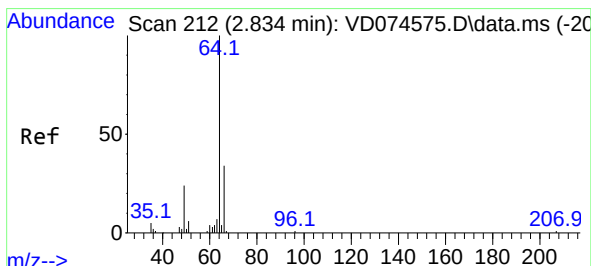
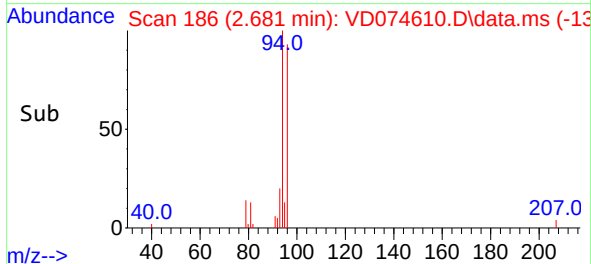
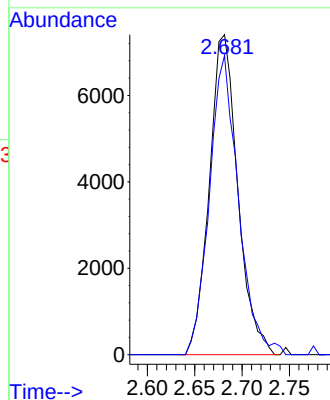
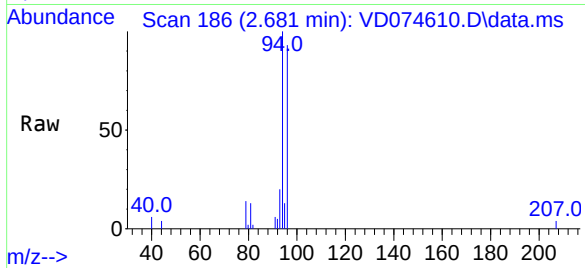




#5  
Bromomethane  
Concen: 20.299 ug/l  
RT: 2.681 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

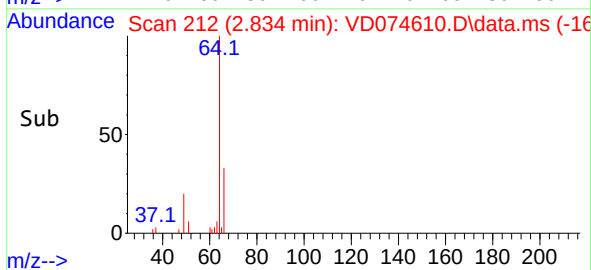
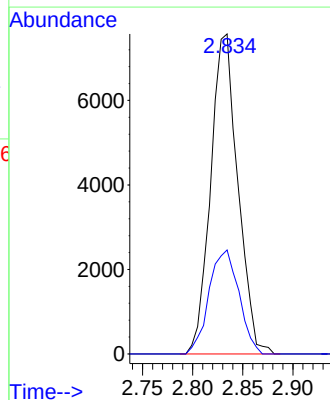
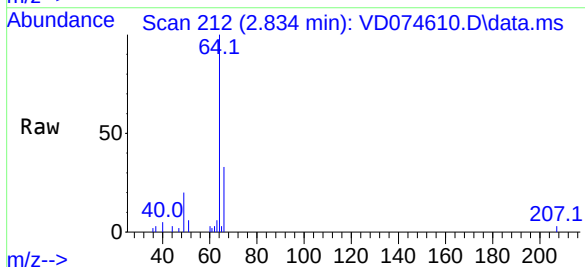
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

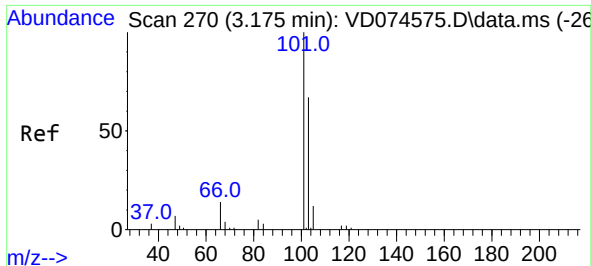
Tgt Ion: 94 Resp: 15528  
Ion Ratio Lower Upper  
94 100  
96 93.5 74.6 112.0



#6  
Chloroethane  
Concen: 20.620 ug/l  
RT: 2.834 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 64 Resp: 14321  
Ion Ratio Lower Upper  
64 100  
66 32.5 25.8 38.8

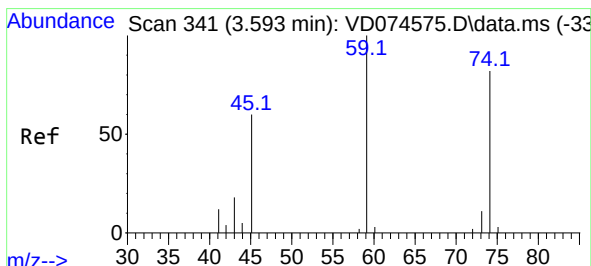
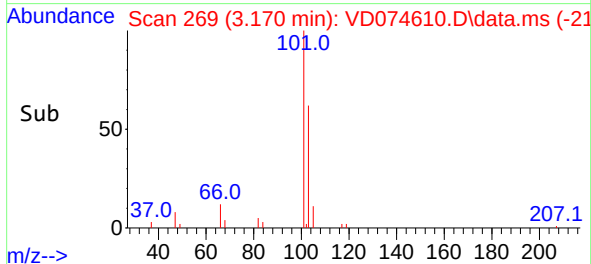
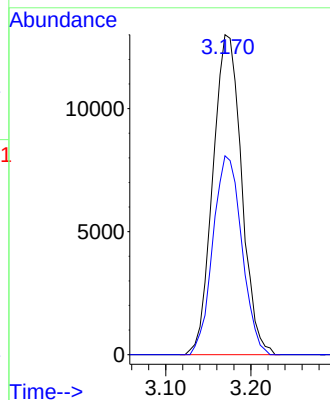
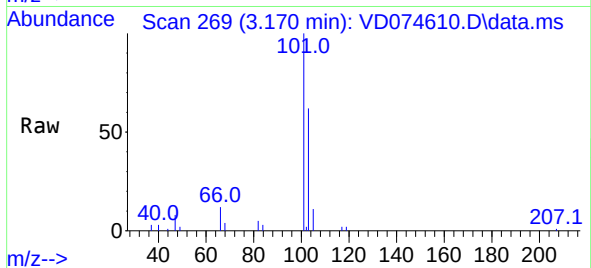




#7  
Trichlorofluoromethane  
Concen: 21.250 ug/l  
RT: 3.170 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

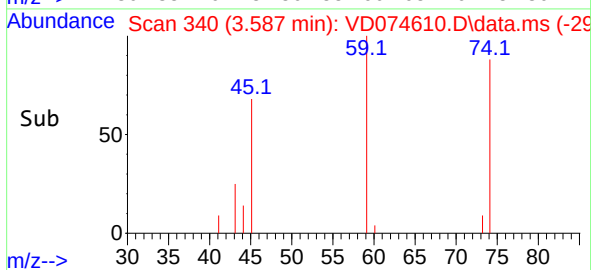
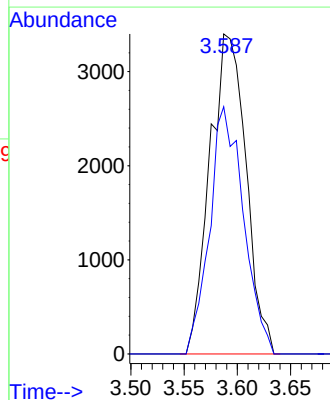
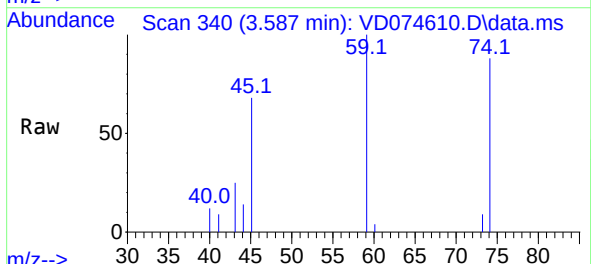
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

Tgt Ion:101 Resp: 30427  
Ion Ratio Lower Upper  
101 100  
103 62.2 49.8 74.8

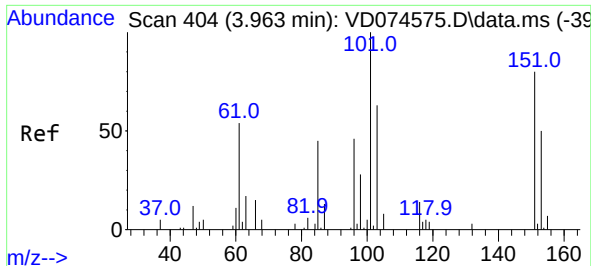


#8  
Diethyl Ether  
Concen: 19.346 ug/l  
RT: 3.587 min Scan# 340  
Delta R.T. -0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 74 Resp: 8022  
Ion Ratio Lower Upper  
74 100  
45 72.3 37.9 113.6



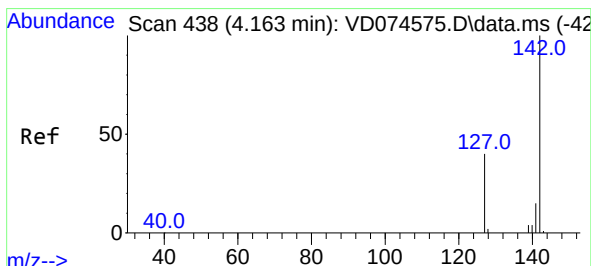
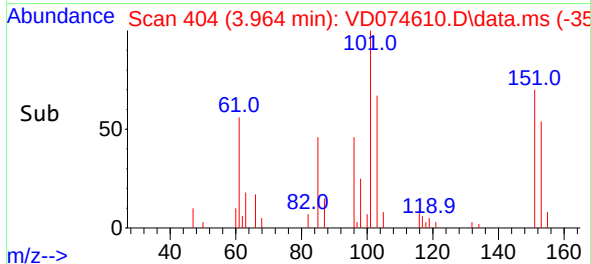
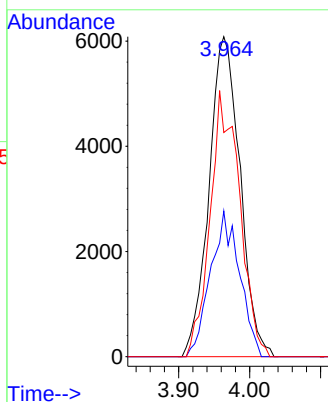
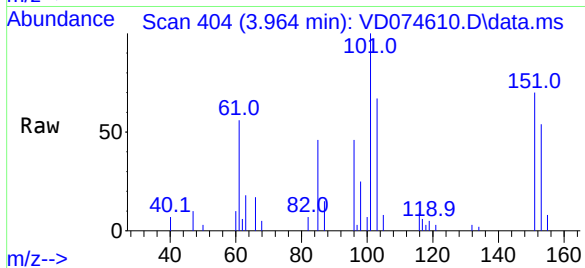




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.984 ug/l  
RT: 3.964 min Scan# 404  
Delta R.T. 0.001 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

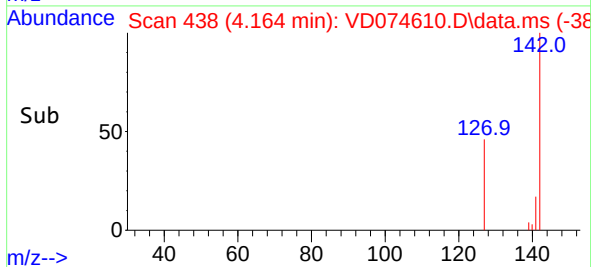
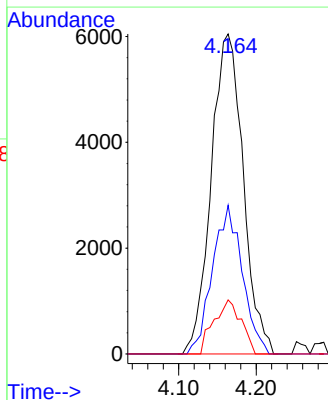
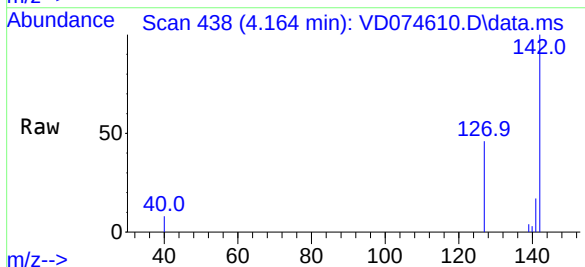
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

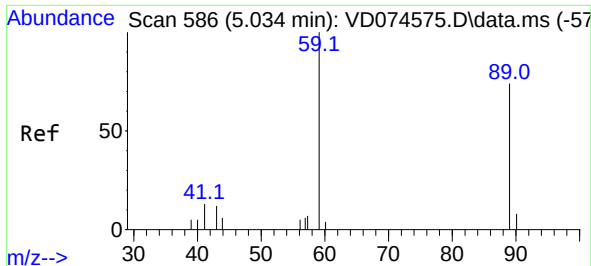
Tgt Ion:101 Resp: 18453  
Ion Ratio Lower Upper  
101 100  
85 42.6 34.1 51.1  
151 79.0 61.7 92.5



#10  
Methyl Iodide  
Concen: 17.255 ug/l  
RT: 4.164 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion:142 Resp: 17377  
Ion Ratio Lower Upper  
142 100  
127 43.4 31.9 47.9  
141 14.4 11.4 17.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.040 min Scan# 51

Delta R.T. -0.012 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

Instrument :

MSVOA\_D

ClientSampleId :

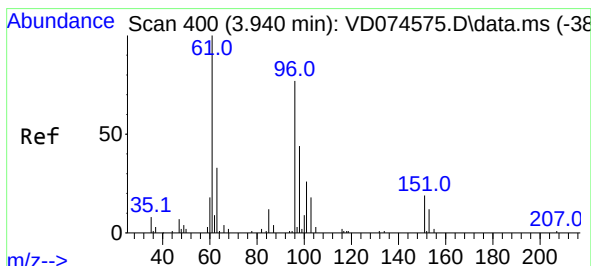
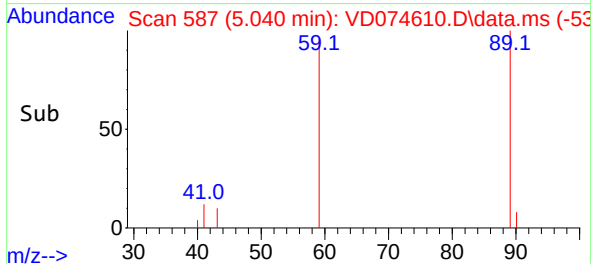
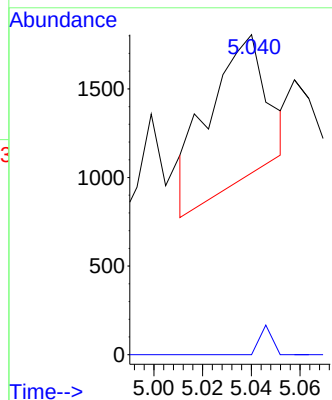
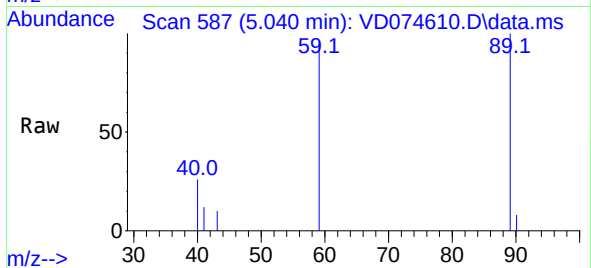
VD1021SBS01

Tgt Ion: 59 Resp: 1368

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#12

1,1-Dichloroethene

Concen: 20.016 ug/l

RT: 3.934 min Scan# 399

Delta R.T. 0.000 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

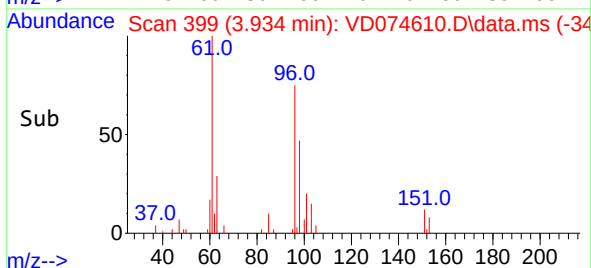
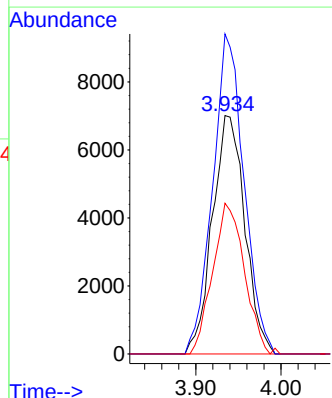
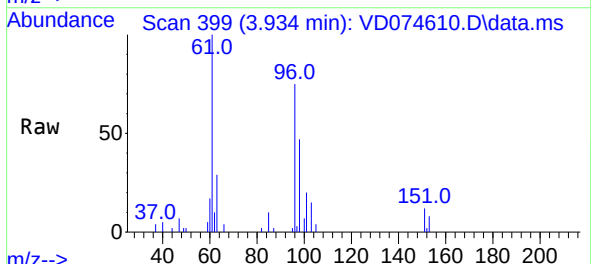
Tgt Ion: 96 Resp: 18486

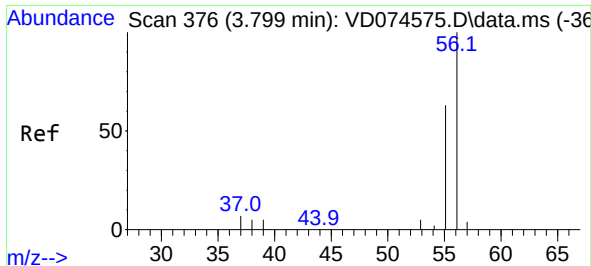
Ion Ratio Lower Upper

96 100

61 134.2 113.9 170.9

98 63.2 51.8 77.8

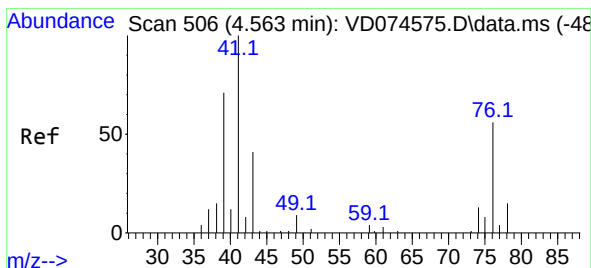
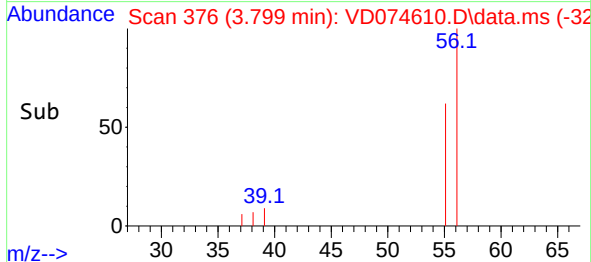
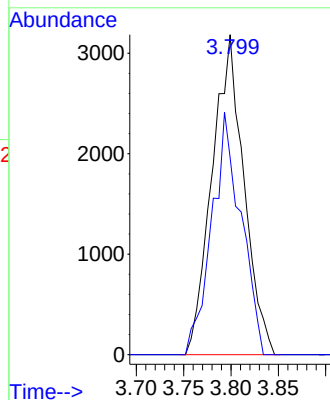
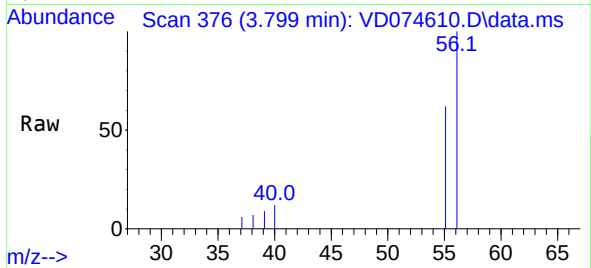




#13  
Acrolein  
Concen: 104.663 ug/l  
RT: 3.799 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

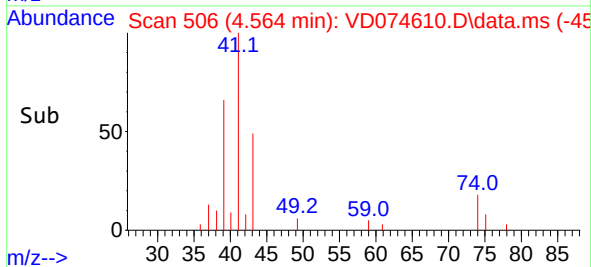
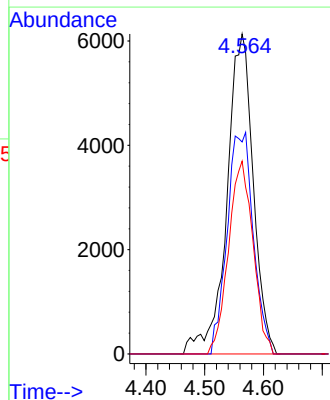
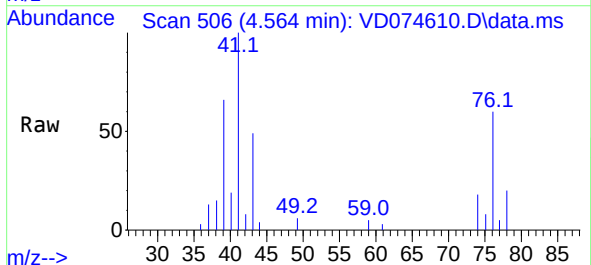
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

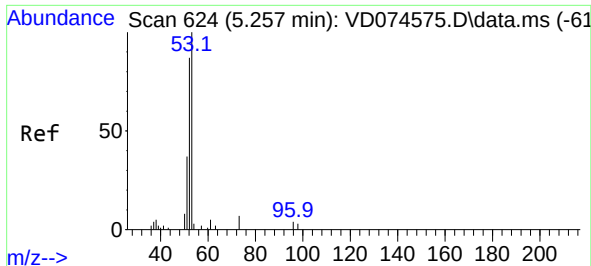
Tgt Ion: 56 Resp: 7440  
Ion Ratio Lower Upper  
56 100  
55 69.4 54.0 81.0



#14  
Allyl chloride  
Concen: 19.184 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. 0.012 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 41 Resp: 19134  
Ion Ratio Lower Upper  
41 100  
39 68.6 53.4 80.2  
76 56.0 42.4 63.6

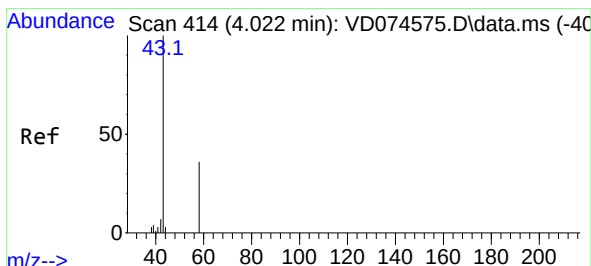
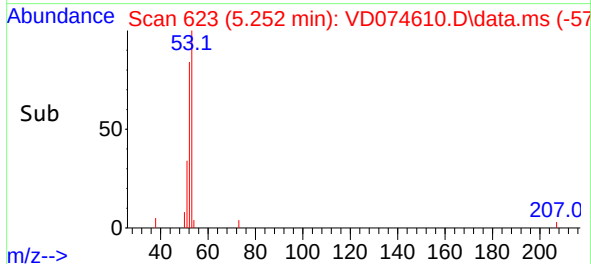
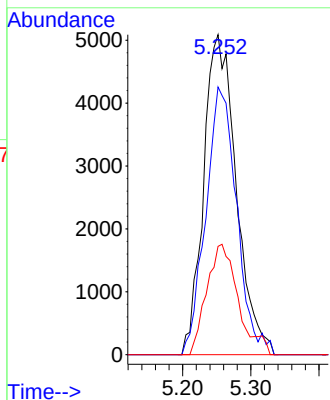
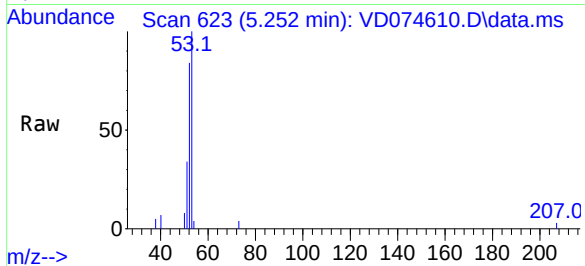




#15  
Acrylonitrile  
Concen: 99.751 ug/l  
RT: 5.252 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

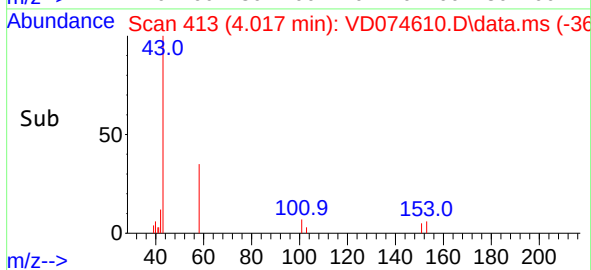
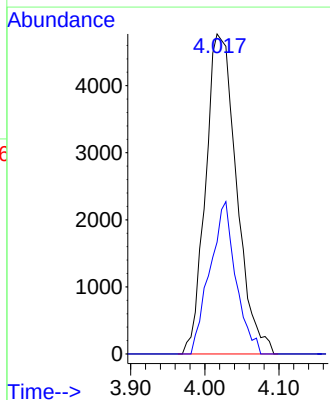
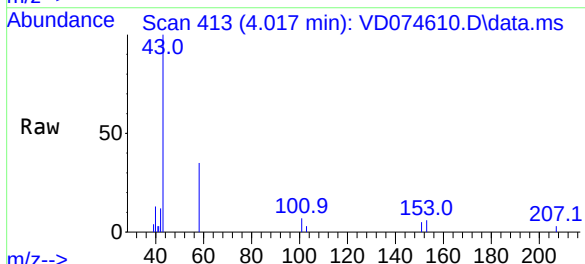
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

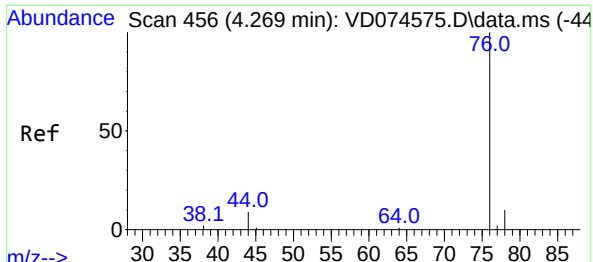
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 16905 |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 79.6     | 66.0 99.0   |
| 51 33.3     | 28.3 42.5   |



#16  
Acetone  
Concen: 95.491 ug/l  
RT: 4.017 min Scan# 413  
Delta R.T. -0.005 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 13840 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 35.0     | 30.2 45.2   |

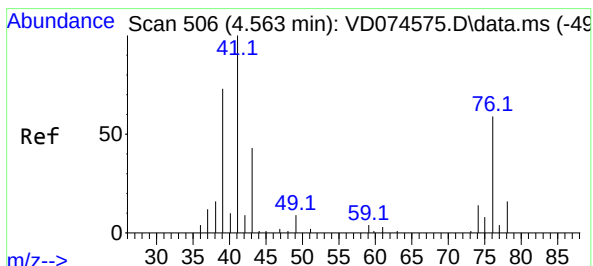
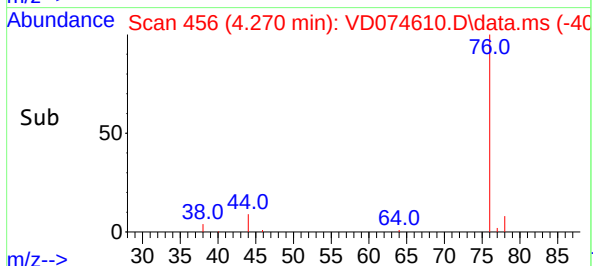
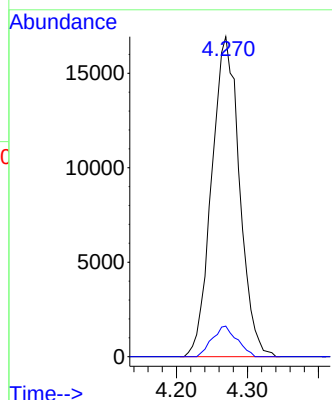
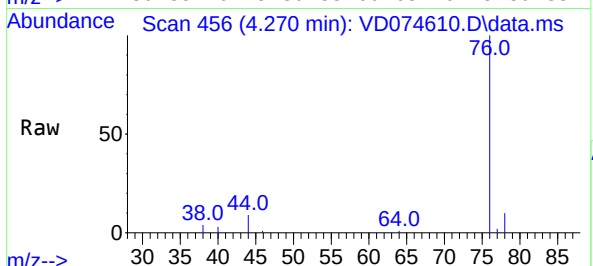




#17  
Carbon Disulfide  
Concen: 18.190 ug/l  
RT: 4.270 min Scan# 41  
Delta R.T. 0.001 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

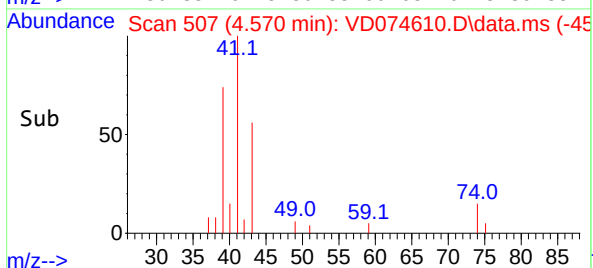
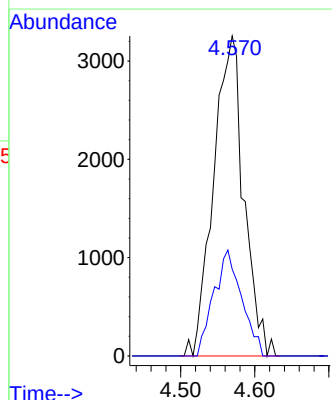
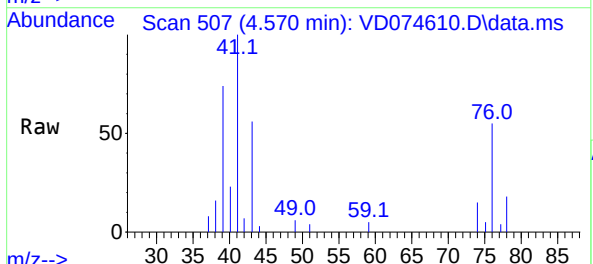
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

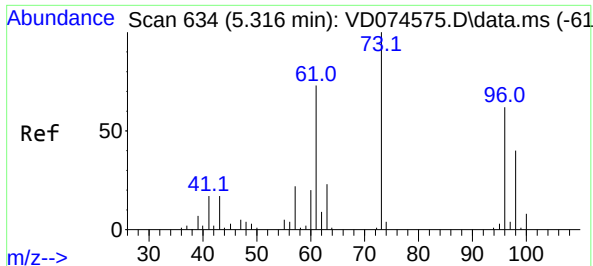
Tgt Ion: 76 Resp: 45969  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.8 11.8



#18  
Methyl Acetate  
Concen: 21.925 ug/l  
RT: 4.570 min Scan# 507  
Delta R.T. 0.012 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 43 Resp: 9220  
Ion Ratio Lower Upper  
43 100  
74 30.5 24.7 37.1





#19

Methyl tert-butyl Ether

Concen: 20.152 ug/l

RT: 5.311 min Scan# 61

Delta R.T. -0.005 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

Instrument :

MSVOA\_D

ClientSampleId :

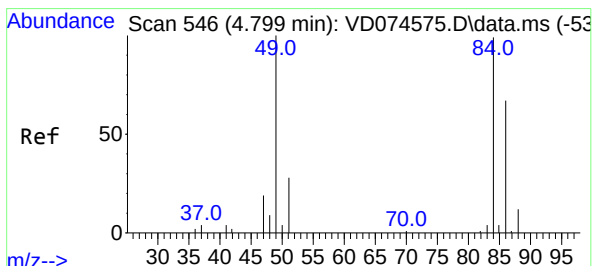
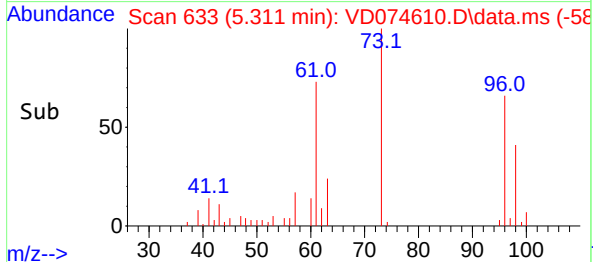
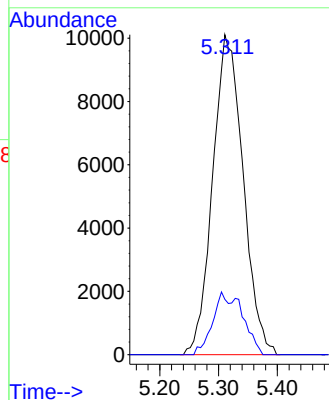
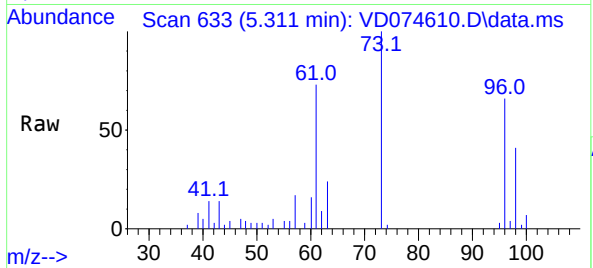
VD1021SBS01

Tgt Ion: 73 Resp: 36368

Ion Ratio Lower Upper

73 100

57 17.3 16.1 24.1



#20

Methylene Chloride

Concen: 16.368 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

Tgt Ion: 84 Resp: 25787

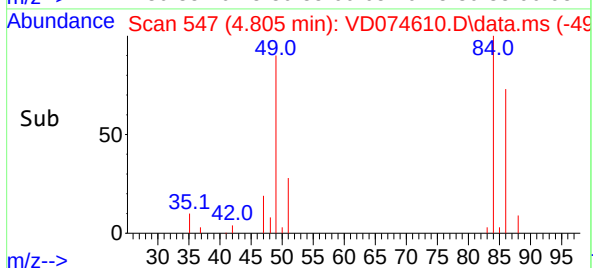
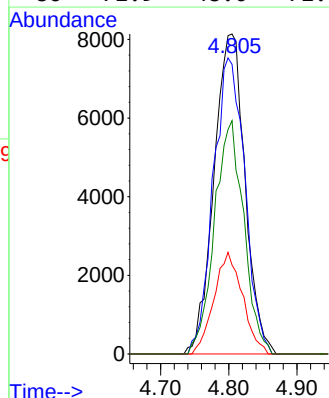
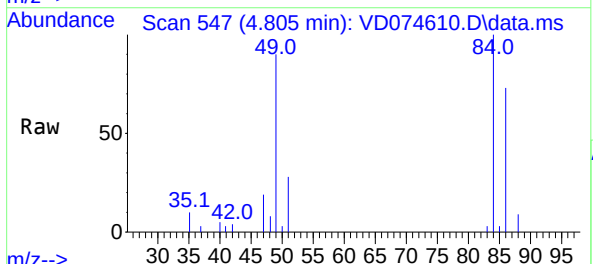
Ion Ratio Lower Upper

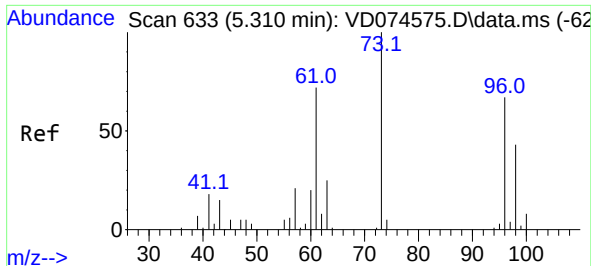
84 100

49 90.5 68.0 102.0

51 27.8 23.2 34.8

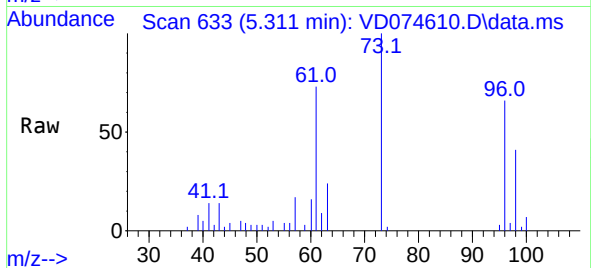
86 72.9 48.0 72.0#



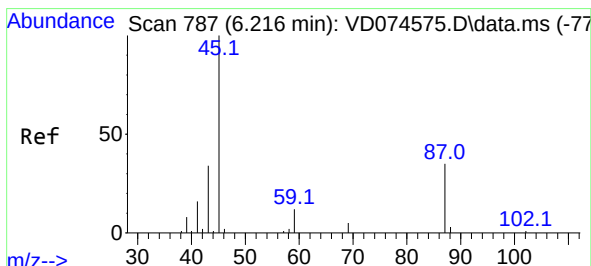
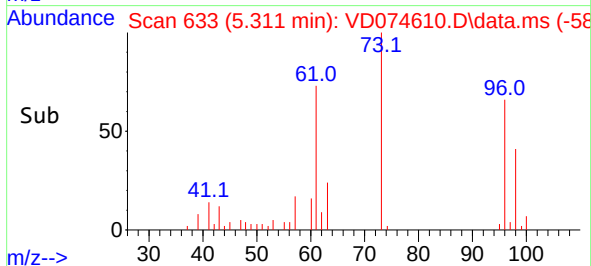
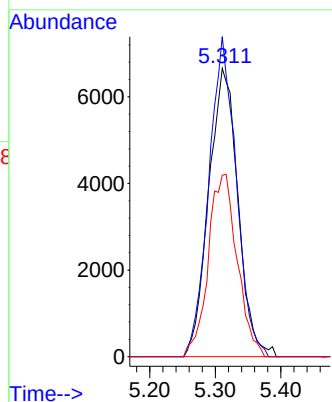


#21  
trans-1,2-Dichloroethene  
Concen: 20.094 ug/l  
RT: 5.311 min Scan# 61  
Delta R.T. 0.001 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

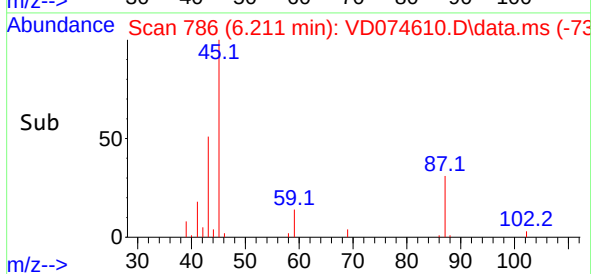
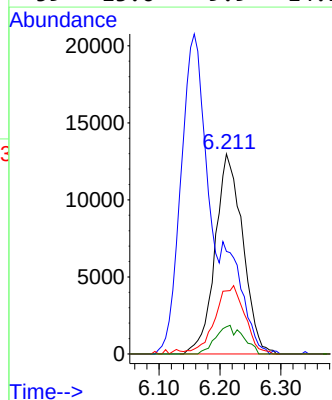
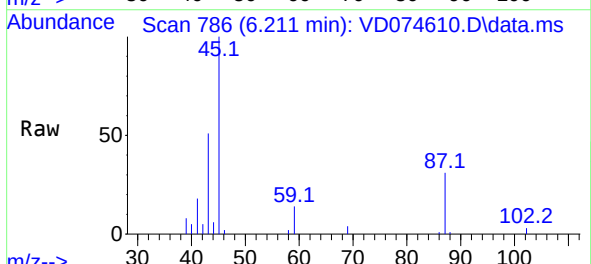


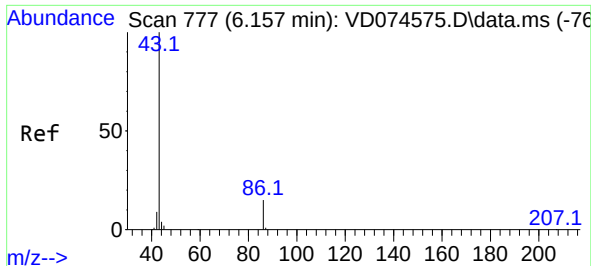
Tgt Ion: 96 Resp: 20688  
Ion Ratio Lower Upper  
96 100  
61 111.0 95.7 143.5  
98 62.9 54.8 82.2



#22  
Diisopropyl ether  
Concen: 20.303 ug/l  
RT: 6.211 min Scan# 786  
Delta R.T. -0.005 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 45 Resp: 40862  
Ion Ratio Lower Upper  
45 100  
43 51.2 37.8 56.6  
87 31.5 26.6 40.0  
59 13.6 9.9 14.9

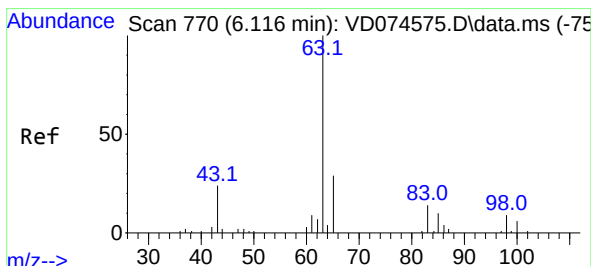
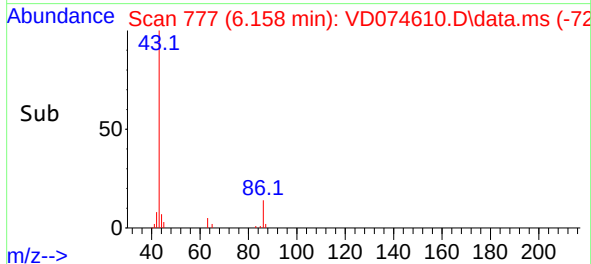
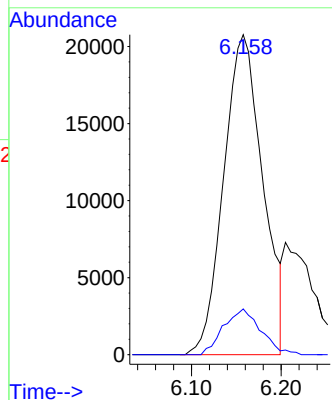
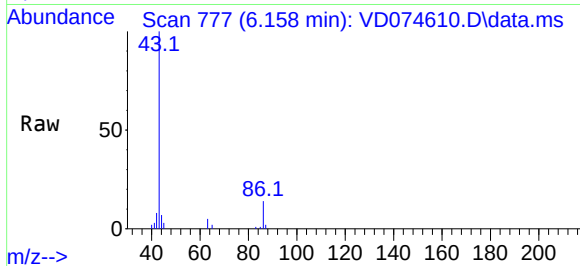




#23  
 Vinyl Acetate  
 Concen: 71.514 ug/l  
 RT: 6.158 min Scan# 71  
 Delta R.T. 0.001 min  
 Lab File: VD074610.D  
 Acq: 21 Oct 2022 12:41

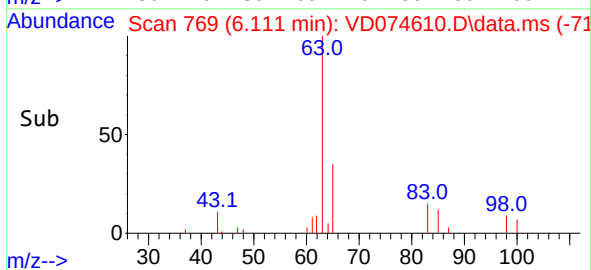
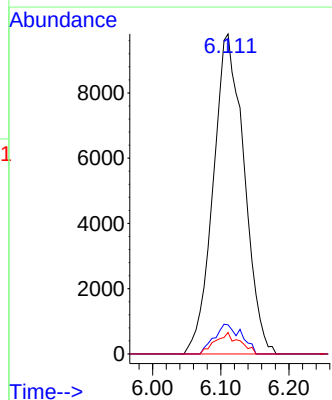
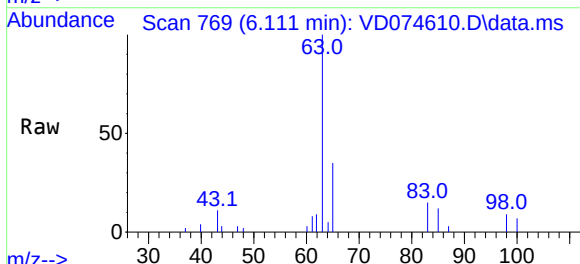
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1021SBS01

Tgt Ion: 43 Resp: 62939  
 Ion Ratio Lower Upper  
 43 100  
 86 14.3 11.2 16.8

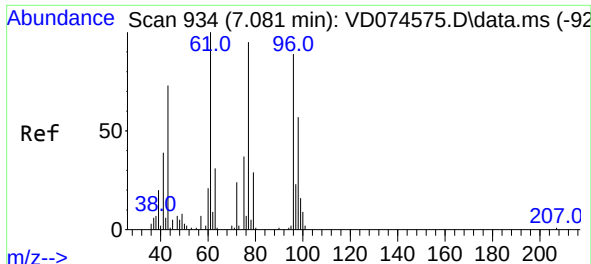


#24  
 1,1-Dichloroethane  
 Concen: 19.790 ug/l  
 RT: 6.111 min Scan# 769  
 Delta R.T. 0.006 min  
 Lab File: VD074610.D  
 Acq: 21 Oct 2022 12:41

Tgt Ion: 63 Resp: 30913  
 Ion Ratio Lower Upper  
 63 100  
 98 9.1 4.6 13.8  
 100 6.7 2.9 8.6



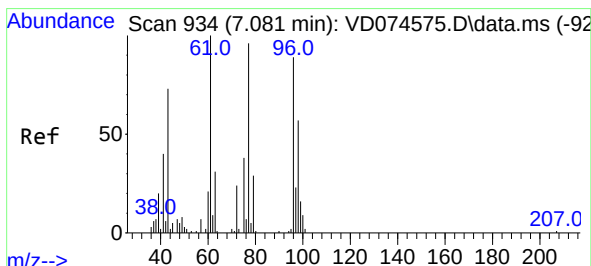
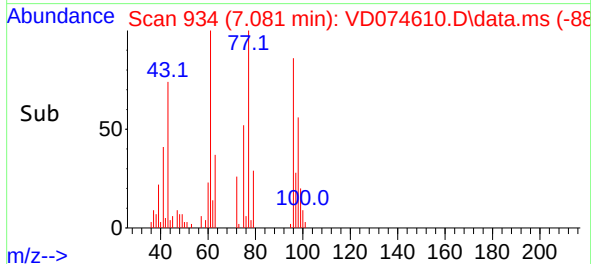
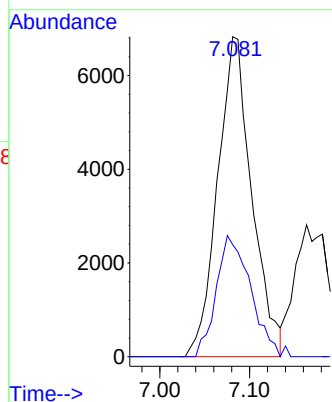
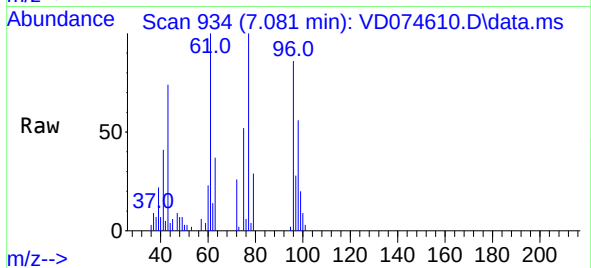




#25  
2-Butanone  
Concen: 93.231 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

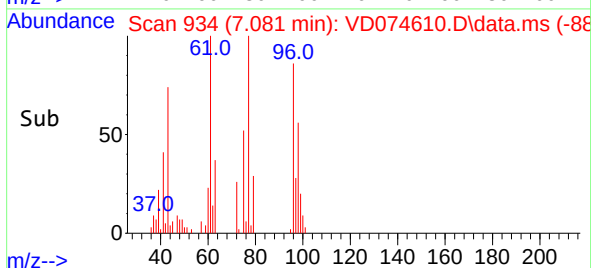
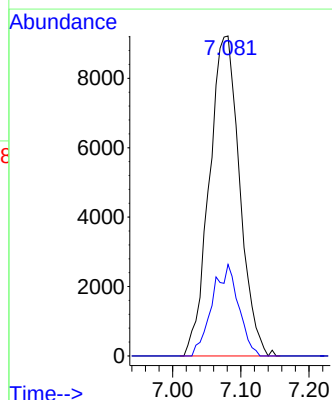
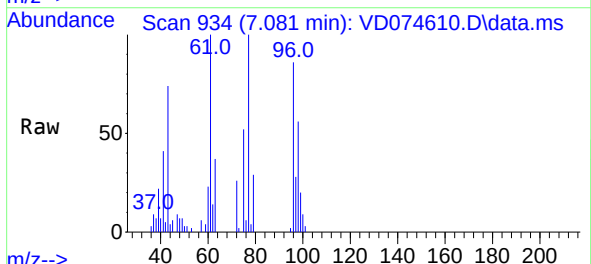
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

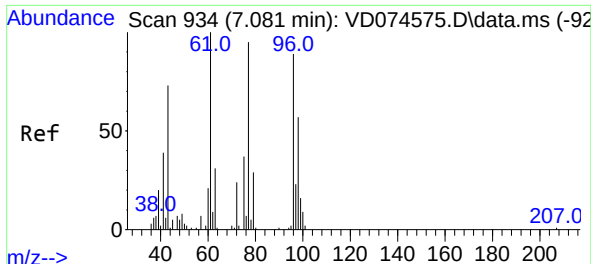
Tgt Ion: 43 Resp: 18069  
Ion Ratio Lower Upper  
43 100  
72 35.0 25.8 38.8



#26  
2,2-Dichloropropane  
Concen: 19.114 ug/l  
RT: 7.081 min Scan# 934  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 77 Resp: 28537  
Ion Ratio Lower Upper  
77 100  
97 24.9 12.5 37.5

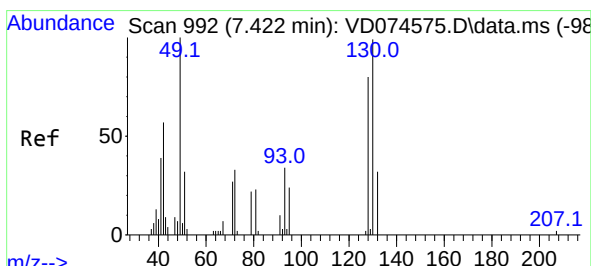
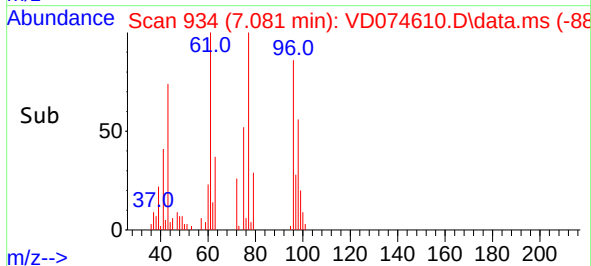
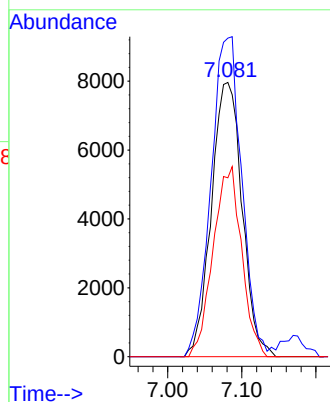
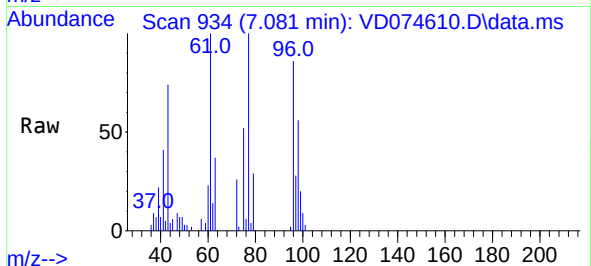




#27  
cis-1,2-Dichloroethene  
Concen: 20.080 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

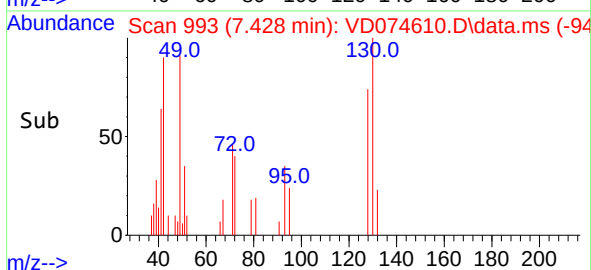
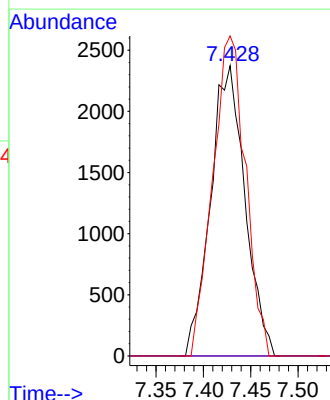
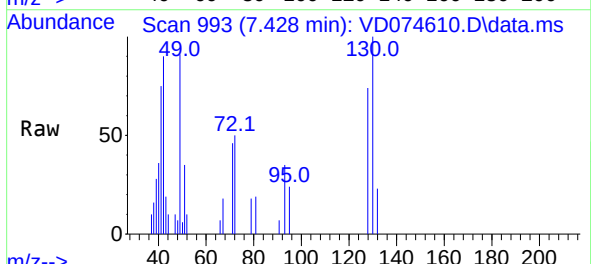
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

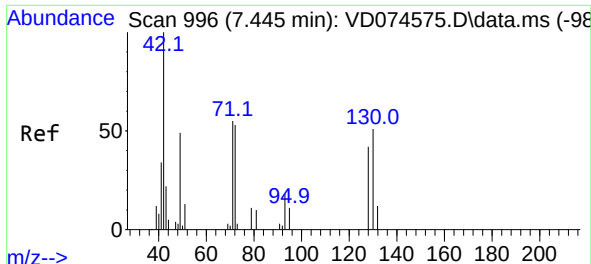
Tgt Ion: 96 Resp: 22930  
Ion Ratio Lower Upper  
96 100  
61 117.8 0.0 242.4  
98 64.2 0.0 130.0



#28  
Bromochloromethane  
Concen: 16.595 ug/l  
RT: 7.428 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 49 Resp: 5994  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 5.0  
130 105.2 84.1 126.1

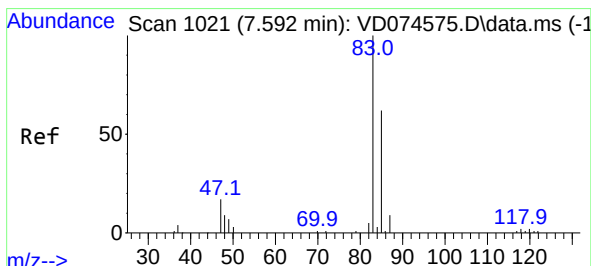
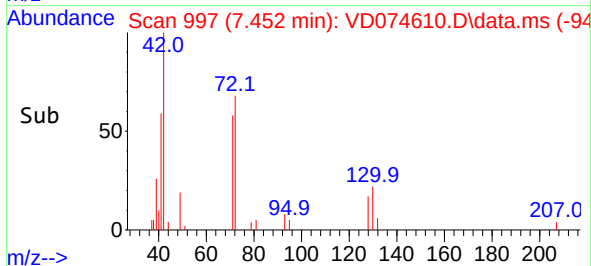
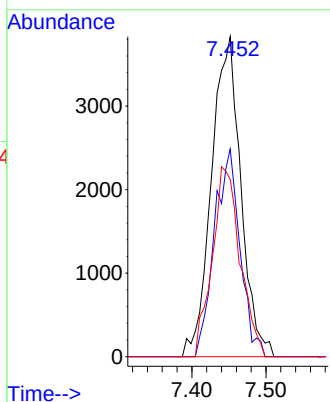
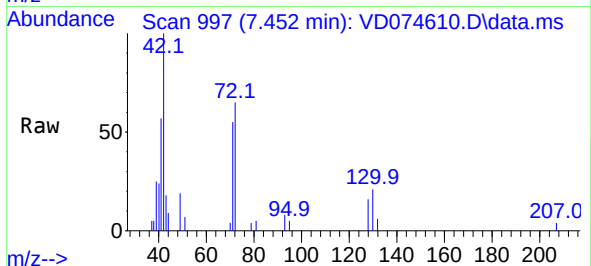




#29  
Tetrahydrofuran  
Concen: 99.805 ug/l  
RT: 7.452 min Scan# 996  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

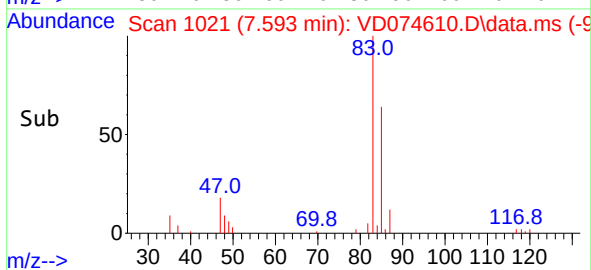
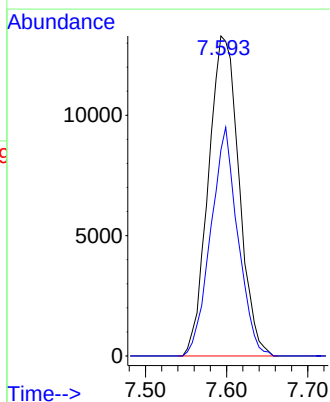
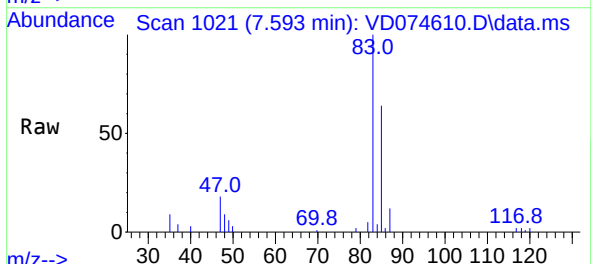
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

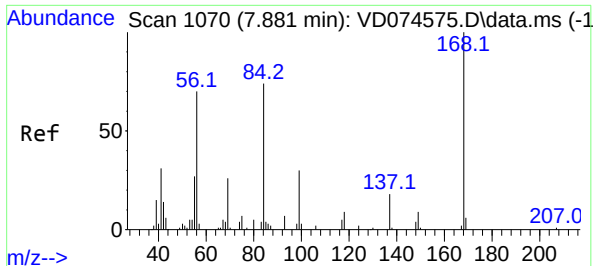
Tgt Ion: 42 Resp: 10550  
Ion Ratio Lower Upper  
42 100  
72 56.6 45.8 68.6  
71 56.2 44.6 66.8



#30  
Chloroform  
Concen: 20.728 ug/l  
RT: 7.593 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 83 Resp: 34839  
Ion Ratio Lower Upper  
83 100  
85 64.4 52.0 78.0





#31

Cyclohexane

Concen: 18.697 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1021SBS01

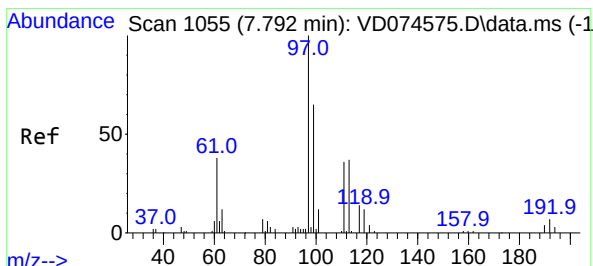
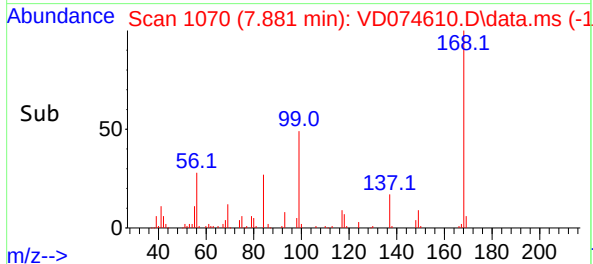
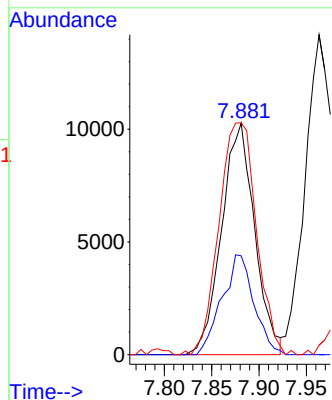
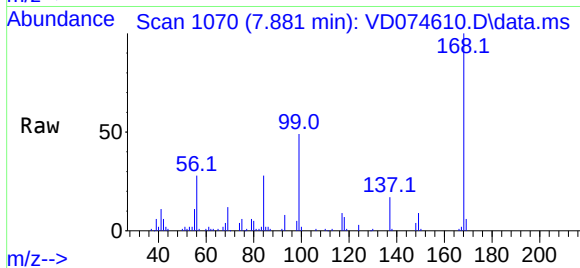
Tgt Ion: 56 Resp: 24928

Ion Ratio Lower Upper

56 100

69 42.7 29.2 43.8

84 100.3 83.4 125.2



#32

1,1,1-Trichloroethane

Concen: 20.712 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

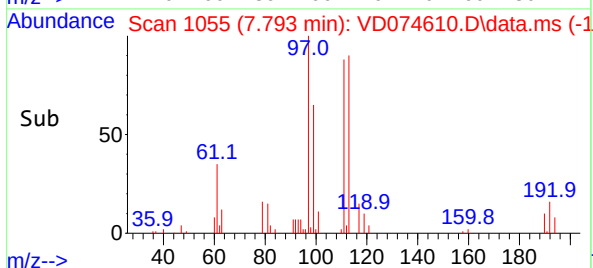
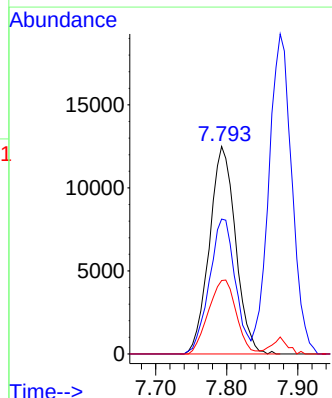
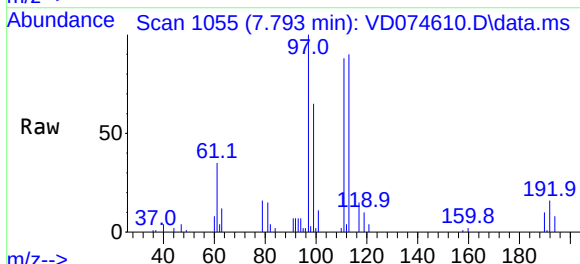
Tgt Ion: 97 Resp: 31924

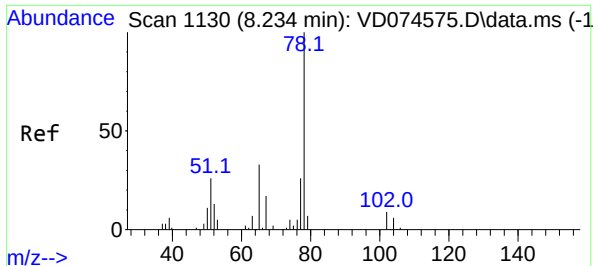
Ion Ratio Lower Upper

97 100

99 64.6 53.3 79.9

61 37.9 30.2 45.4





#33

1,2-Dichloroethane-d4

Concen: 44.507 ug/l

RT: 8.228 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

Instrument :

MSVOA\_D

ClientSampleId :

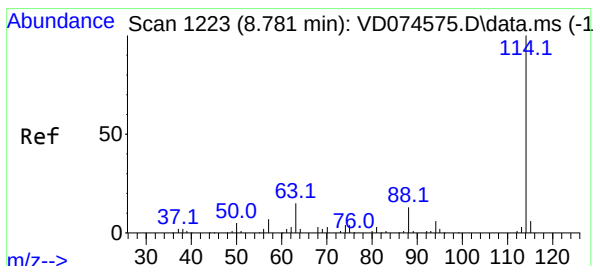
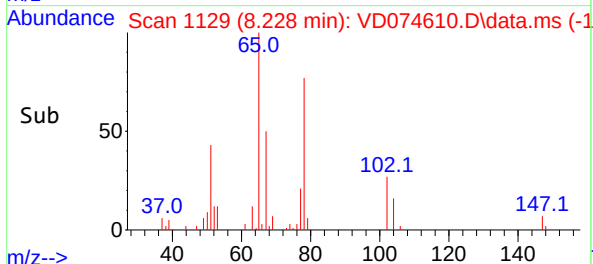
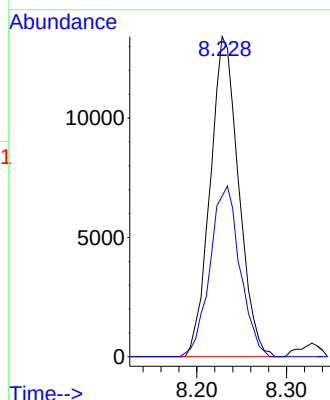
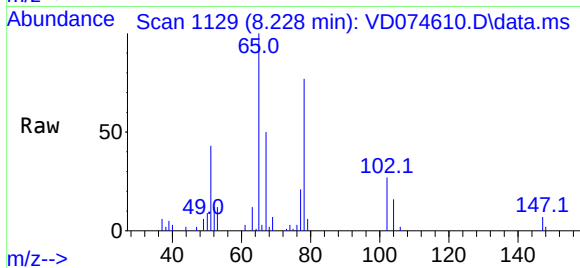
VD1021SBS01

Tgt Ion: 65 Resp: 29540

Ion Ratio Lower Upper

65 100

67 56.2 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

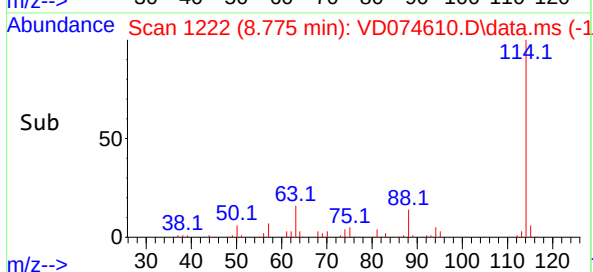
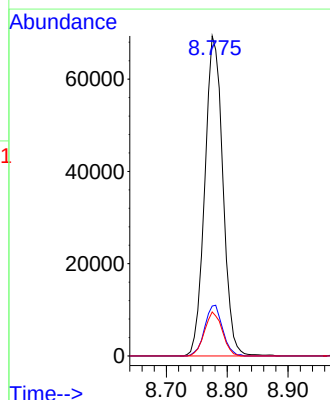
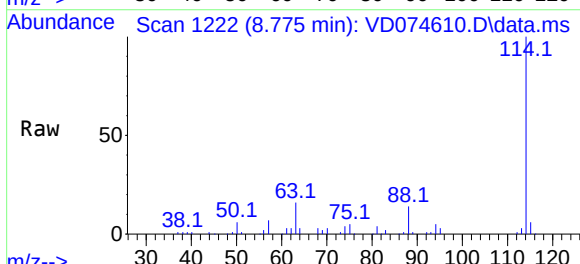
Tgt Ion: 114 Resp: 143053

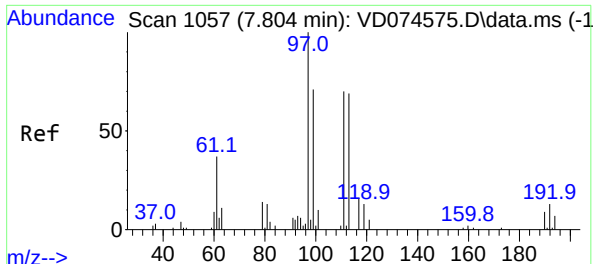
Ion Ratio Lower Upper

114 100

63 15.6 0.0 33.2

88 13.7 0.0 28.2



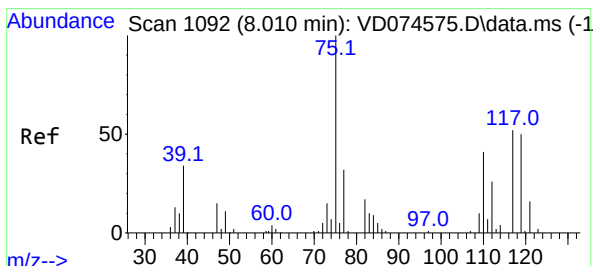
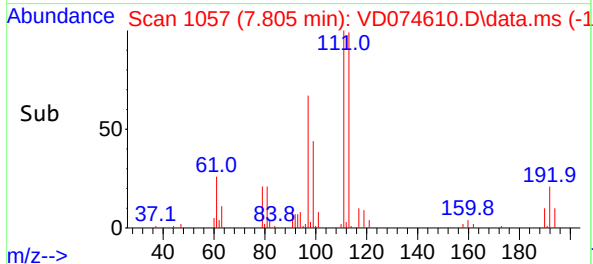
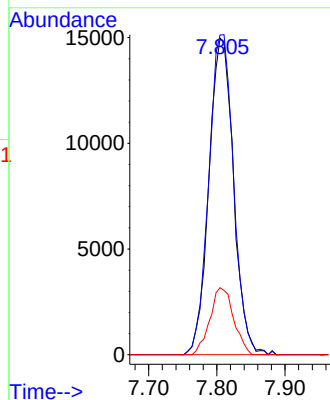
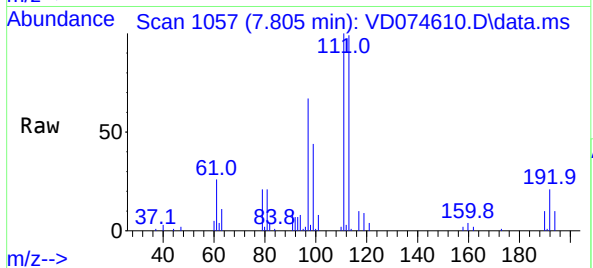


#35  
Dibromofluoromethane  
Concen: 47.357 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. 0.001 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

Tgt Ion:113 Resp: 37580

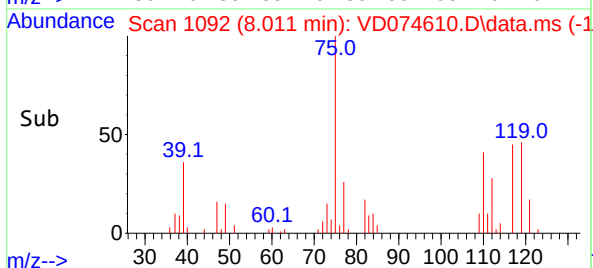
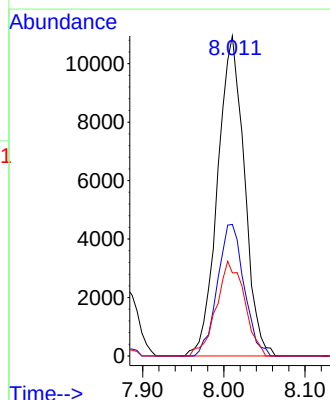
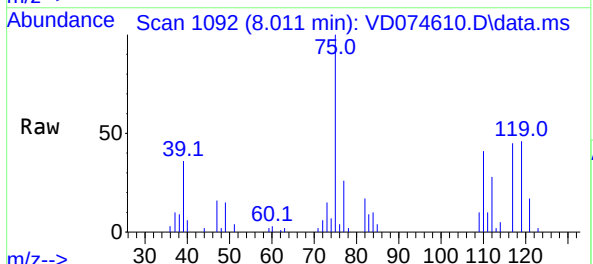
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.0 | 82.3  | 123.5 |
| 192 | 20.4  | 16.4  | 24.6  |

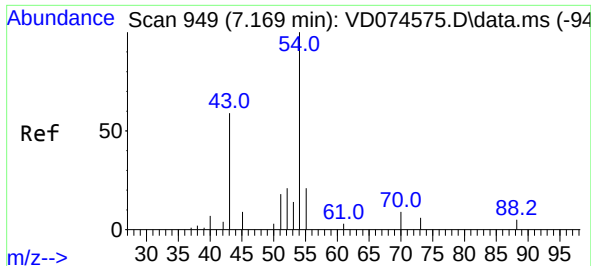


#36  
1,1-Dichloropropene  
Concen: 19.510 ug/l  
RT: 8.011 min Scan# 1092  
Delta R.T. 0.007 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 75 Resp: 25073

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 41.0  | 19.7  | 59.0  |
| 77  | 31.1  | 25.4  | 38.2  |





#37

Ethyl Acetate

Concen: 19.055 ug/l

RT: 7.164 min Scan# 949

Delta R.T. -0.005 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1021SBS01

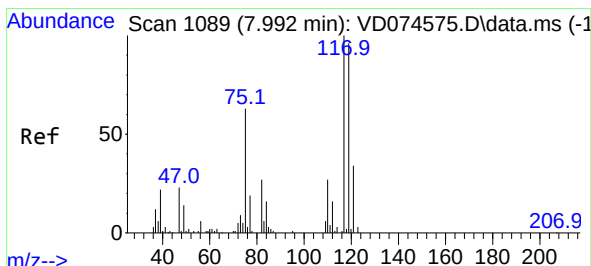
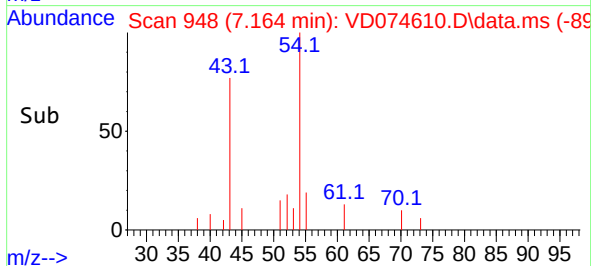
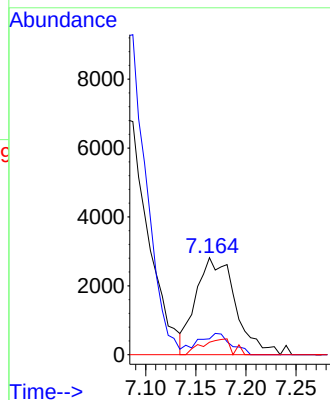
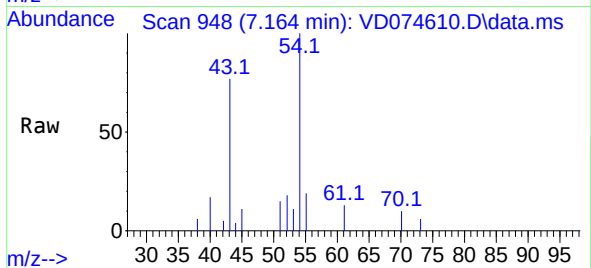
Tgt Ion: 43 Resp: 7726

Ion Ratio Lower Upper

43 100

61 16.4 12.2 18.4

70 12.1 9.6 14.4



#38

Carbon Tetrachloride

Concen: 19.836 ug/l

RT: 7.993 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

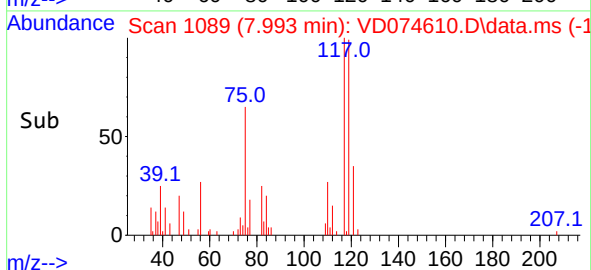
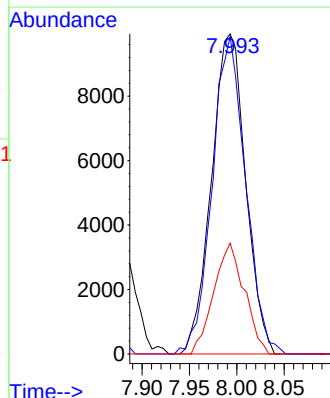
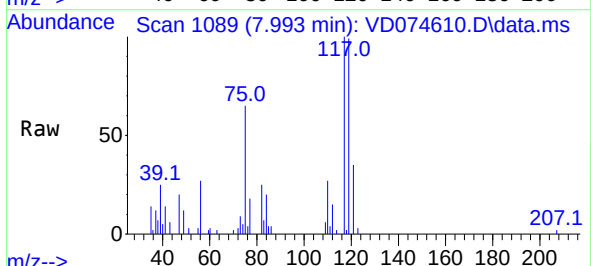
Tgt Ion: 117 Resp: 24962

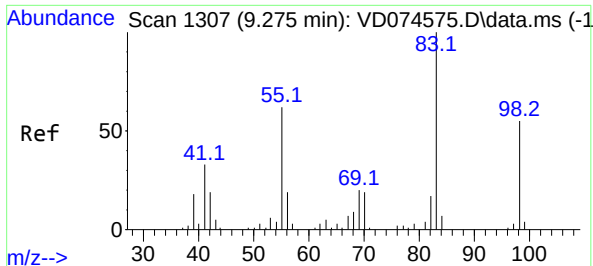
Ion Ratio Lower Upper

117 100

119 97.5 73.1 109.7

121 34.6 25.0 37.6





#39

Methylcyclohexane

Concen: 19.716 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.006 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1021SBS01

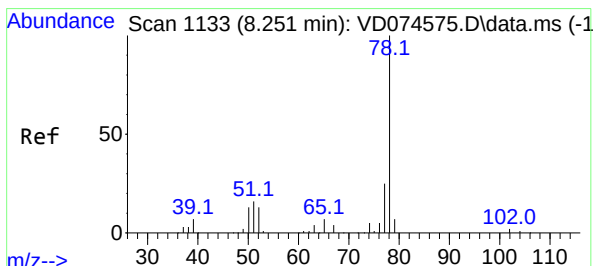
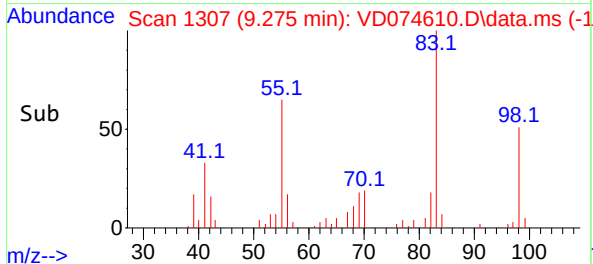
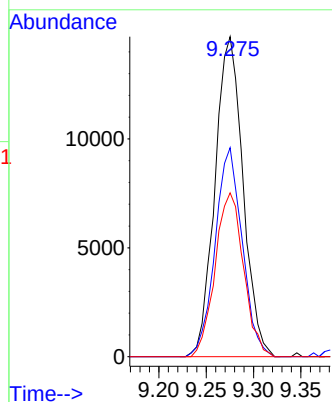
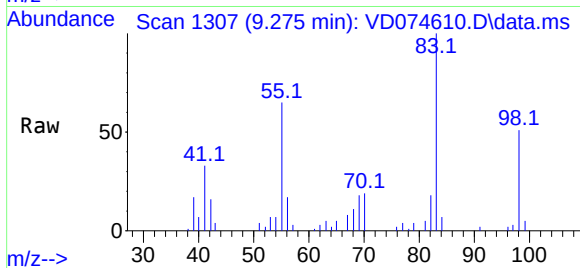
Tgt Ion: 83 Resp: 30273

Ion Ratio Lower Upper

83 100

55 65.3 49.0 73.4

98 51.2 41.7 62.5



#40

Benzene

Concen: 20.070 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD074610.D

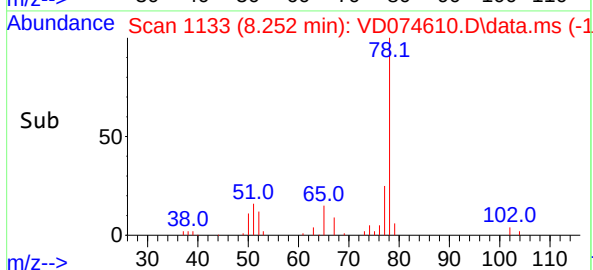
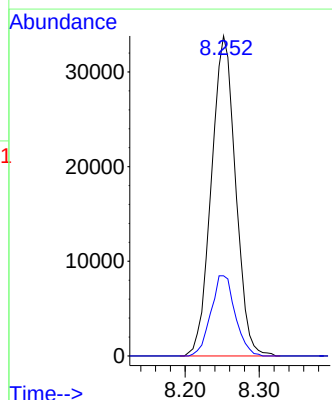
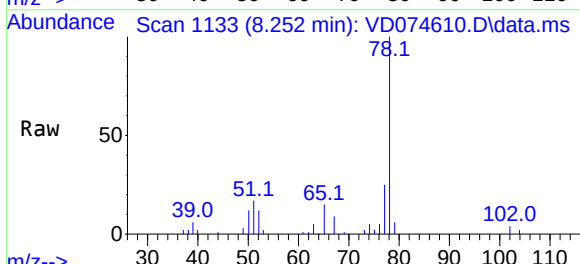
Acq: 21 Oct 2022 12:41

Tgt Ion: 78 Resp: 76545

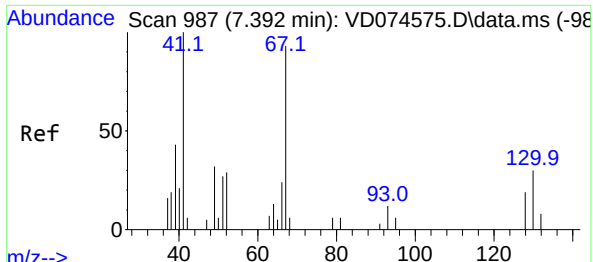
Ion Ratio Lower Upper

78 100

77 25.0 20.1 30.1



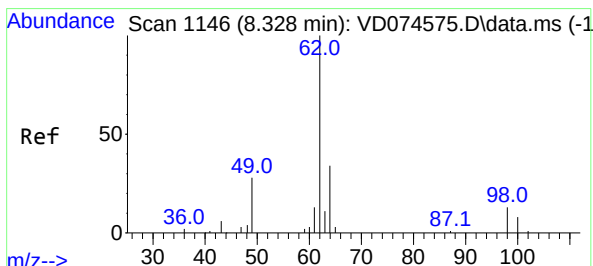
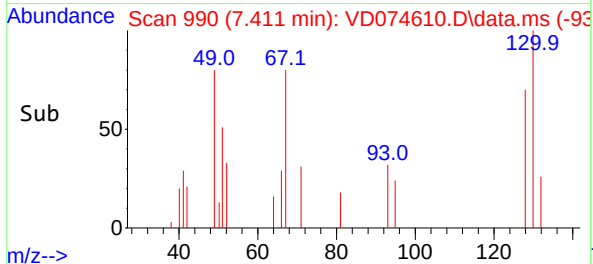
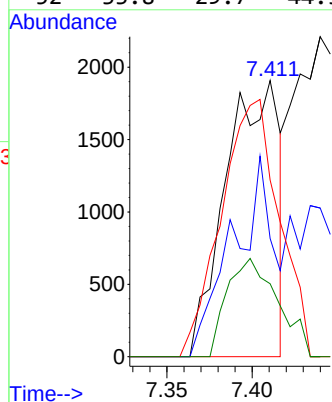
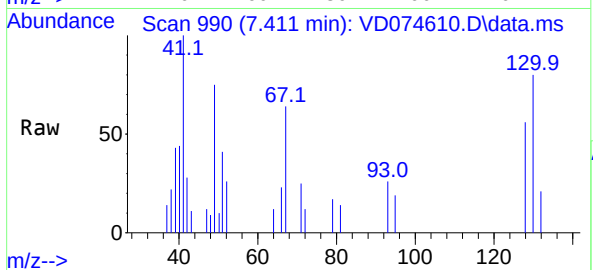




#41  
Methacrylonitrile  
Concen: 19.075 ug/l  
RT: 7.411 min Scan# 990  
Delta R.T. 0.007 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

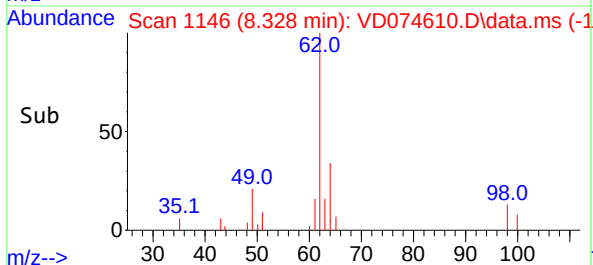
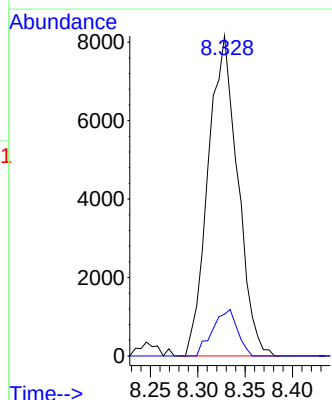
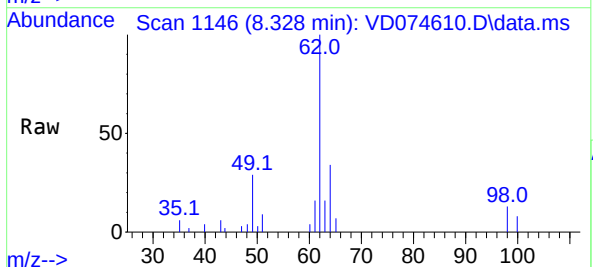
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

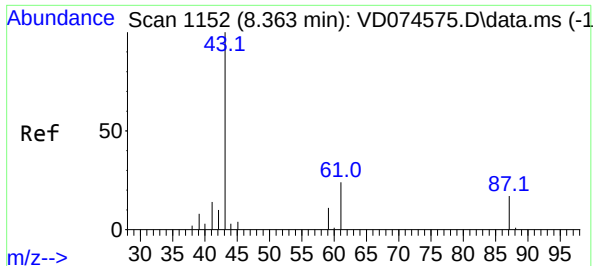
Tgt Ion: 41 Resp: 4167  
Ion Ratio Lower Upper  
41 100  
39 54.5 35.0 52.6#  
67 100.8 77.0 115.6  
52 33.8 29.7 44.5



#42  
1,2-Dichloroethane  
Concen: 20.158 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 62 Resp: 17742  
Ion Ratio Lower Upper  
62 100  
98 12.1 0.0 24.2

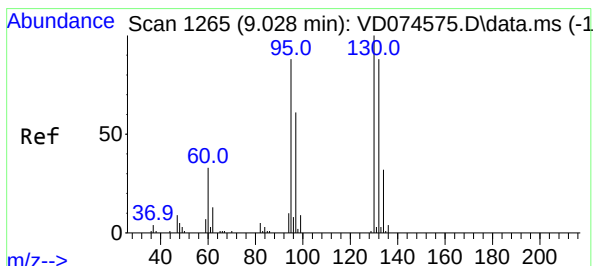
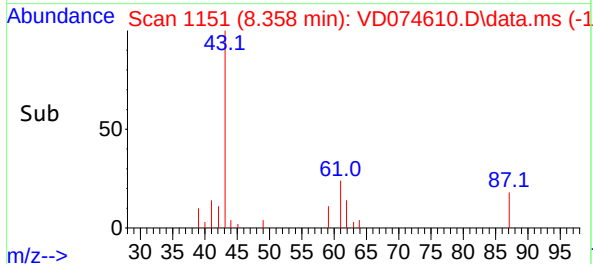
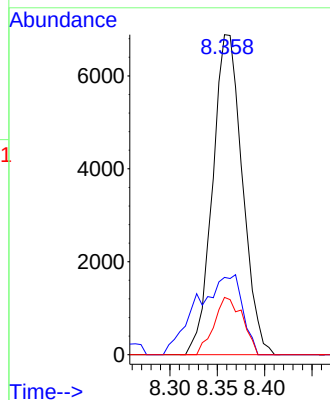
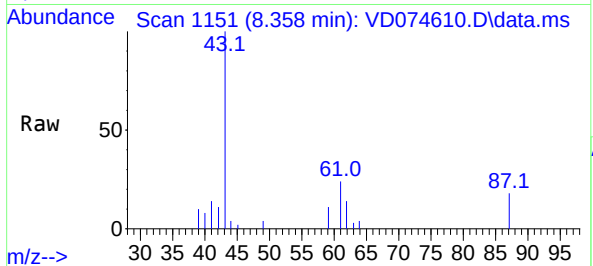




#43  
Isopropyl Acetate  
Concen: 19.963 ug/l  
RT: 8.358 min Scan# 1151  
Delta R.T. -0.005 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

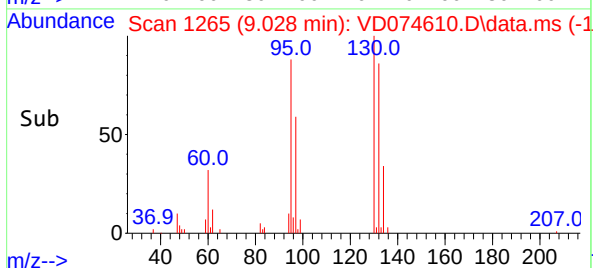
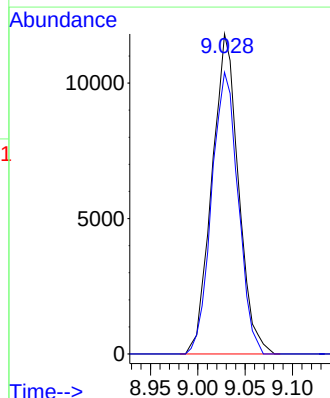
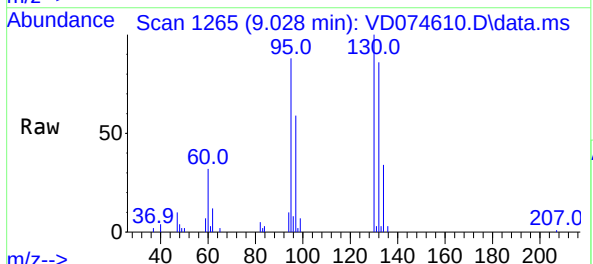
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

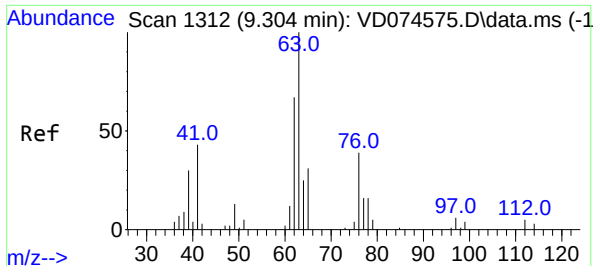
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 15043 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 37.9  | 30.9  | 46.3  |
| 87       | 17.1  | 14.3  | 21.5  |



#44  
Trichloroethene  
Concen: 20.582 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 22997 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 88.0  | 0.0   | 185.4 |

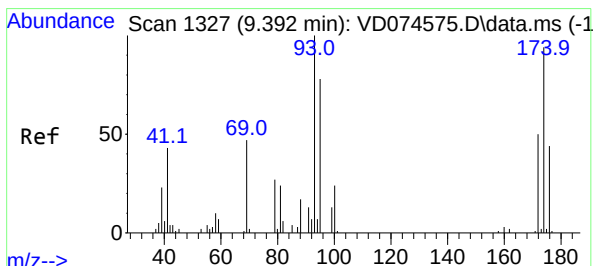
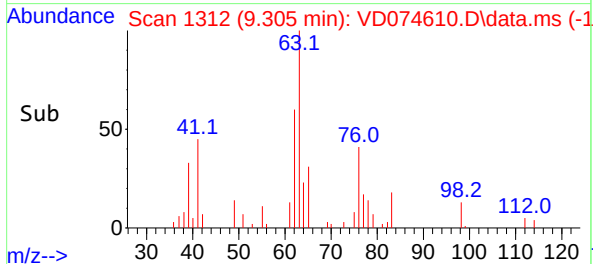
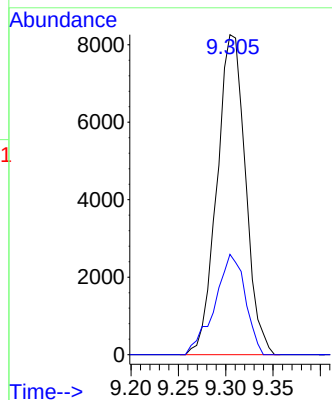
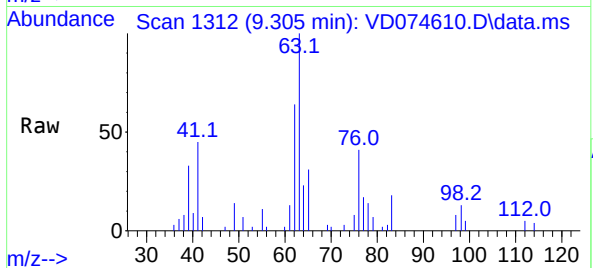




#45  
1,2-Dichloropropane  
Concen: 20.694 ug/l  
RT: 9.305 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

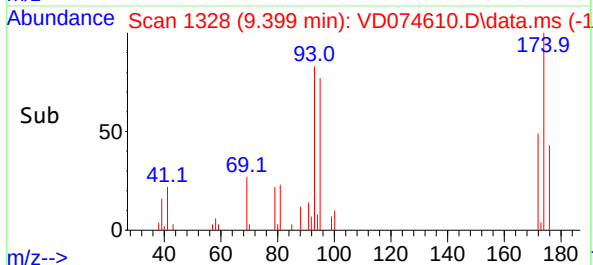
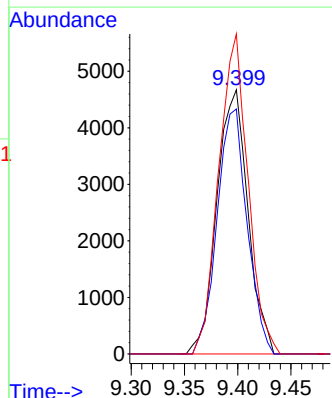
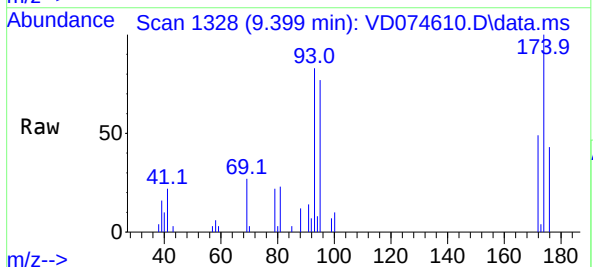
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

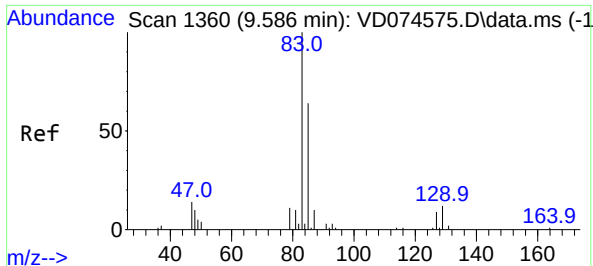
Tgt Ion: 63 Resp: 17321  
Ion Ratio Lower Upper  
63 100  
65 31.4 23.1 34.7



#46  
Dibromomethane  
Concen: 19.623 ug/l  
RT: 9.399 min Scan# 1328  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 93 Resp: 9478  
Ion Ratio Lower Upper  
93 100  
95 89.4 68.2 102.2  
174 113.9 87.4 131.0

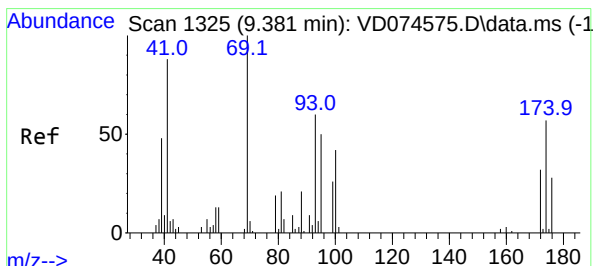
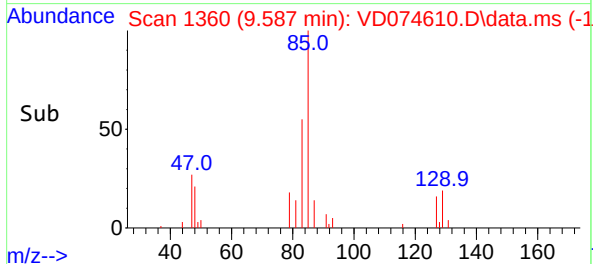
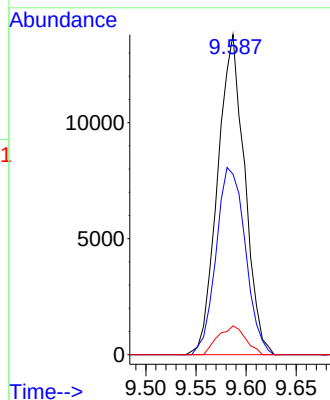
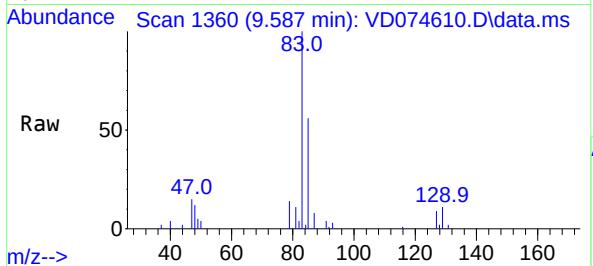




#47  
Bromodichloromethane  
Concen: 21.631 ug/l  
RT: 9.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

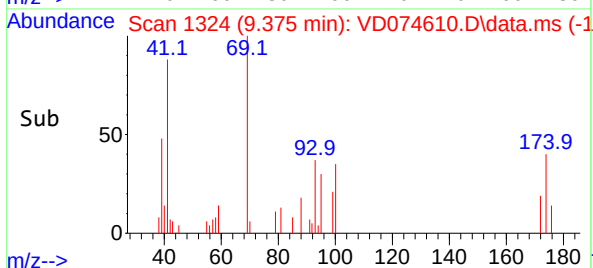
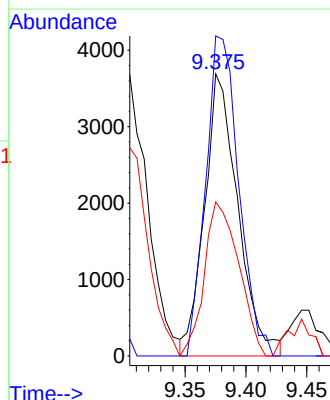
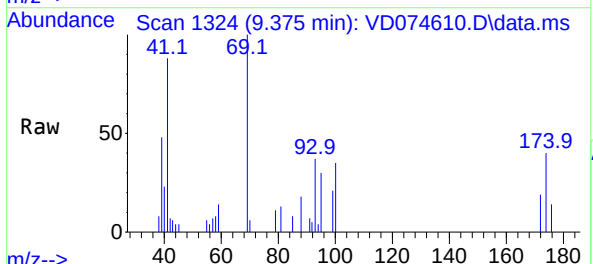
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

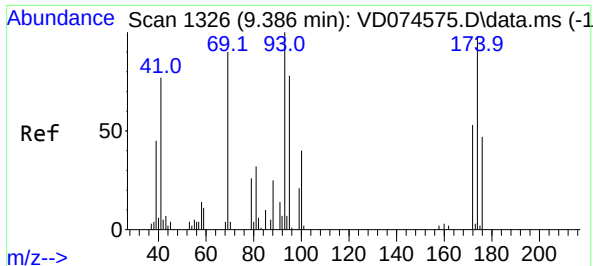
Tgt Ion: 83 Resp: 25849  
Ion Ratio Lower Upper  
83 100  
85 56.4 48.8 73.2  
127 9.0 6.7 10.1



#48  
Methyl methacrylate  
Concen: 20.452 ug/l  
RT: 9.375 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

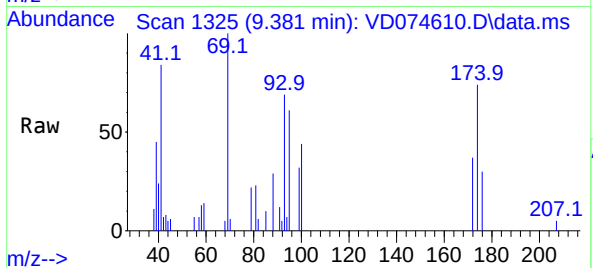
Tgt Ion: 41 Resp: 7043  
Ion Ratio Lower Upper  
41 100  
69 112.5 93.0 139.4  
39 56.1 44.6 66.8



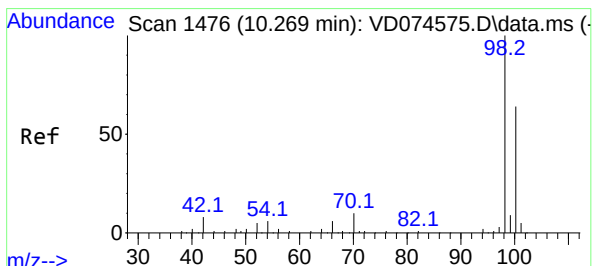
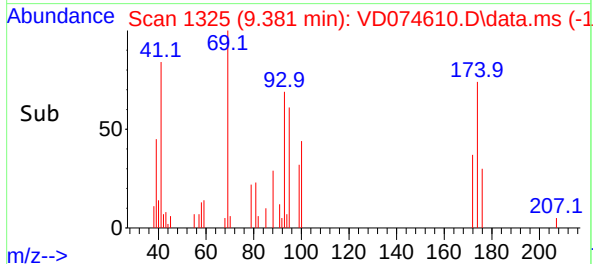
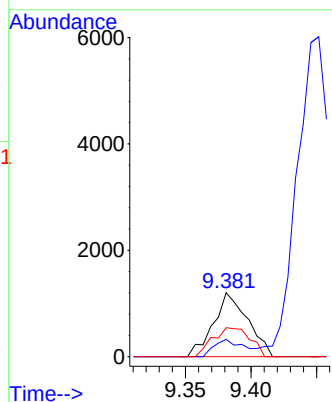


#49  
1,4-Dioxane  
Concen: 458.809 ug/l  
RT: 9.381 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

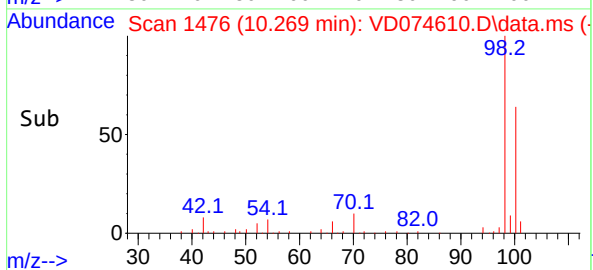
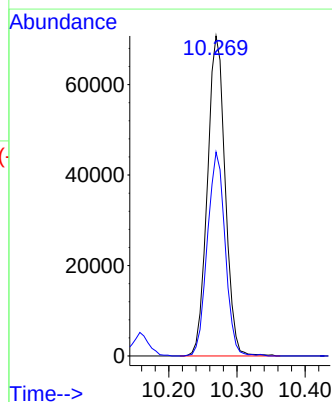
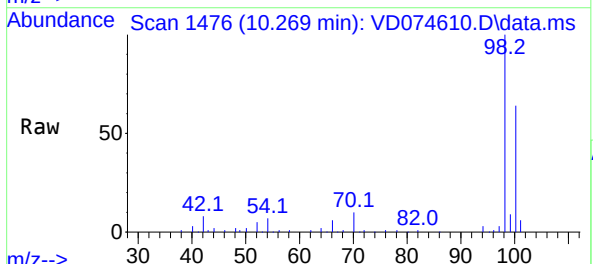


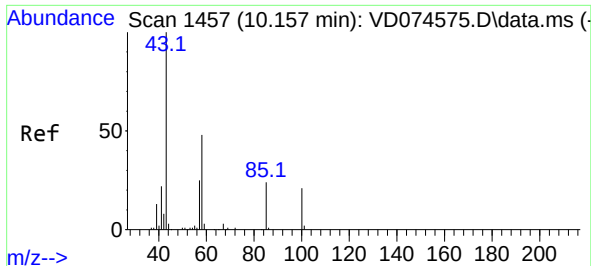
Tgt Ion: 88 Resp: 2181  
Ion Ratio Lower Upper  
88 100  
43 24.1 24.1 36.1  
58 49.2 43.1 64.7



#50  
Toluene-d8  
Concen: 44.889 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 98 Resp: 128529  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.4 77.0

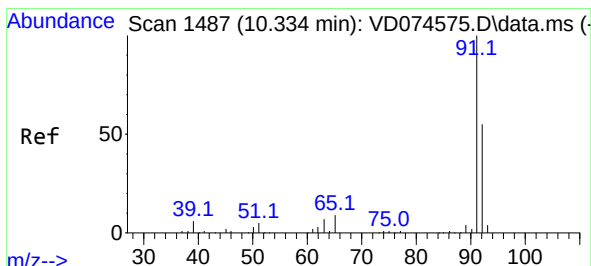
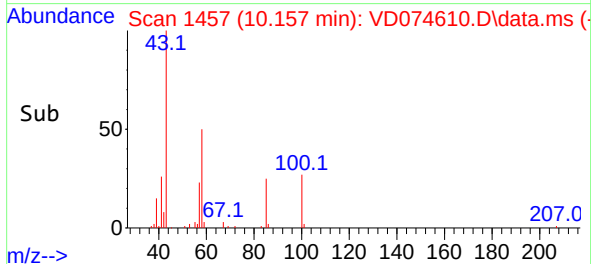
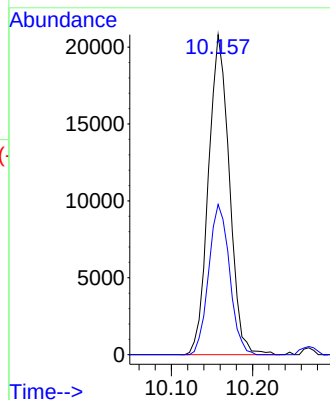
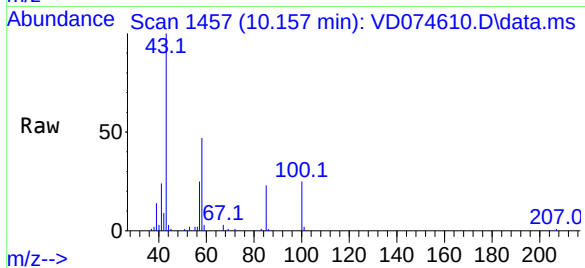




#51  
4-Methyl-2-Pentanone  
Concen: 99.255 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

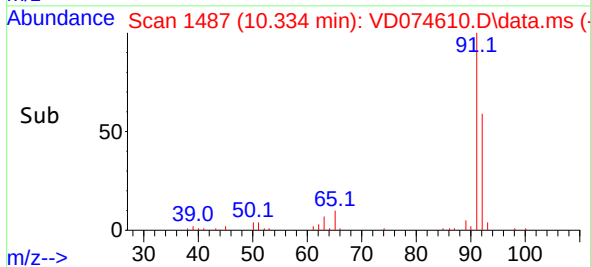
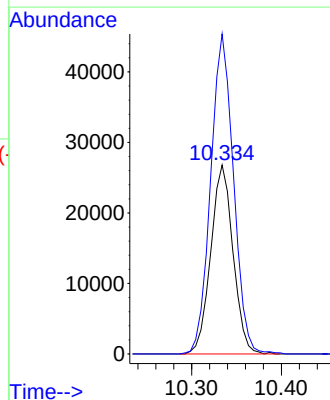
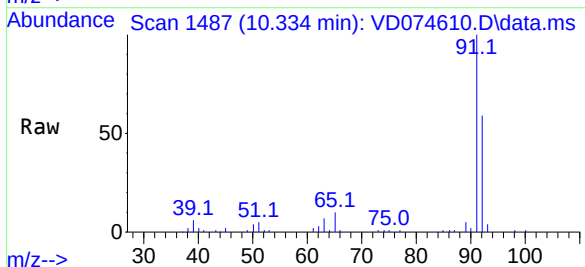
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

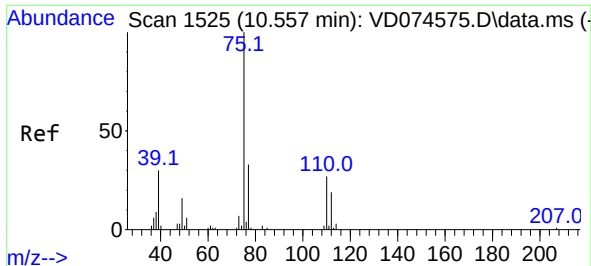
Tgt Ion: 43 Resp: 37201  
Ion Ratio Lower Upper  
43 100  
58 46.8 37.8 56.6



#52  
Toluene  
Concen: 19.626 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 92 Resp: 46162  
Ion Ratio Lower Upper  
92 100  
91 173.9 139.0 208.4

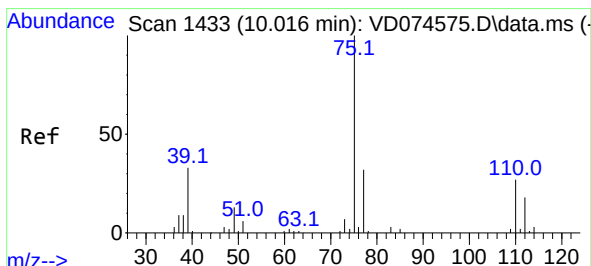
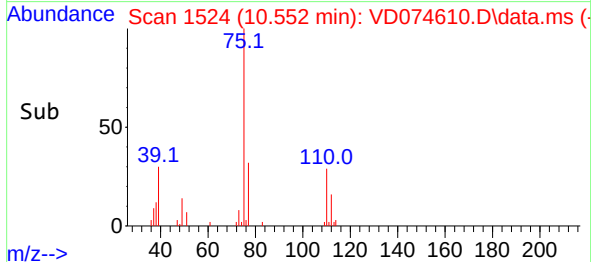
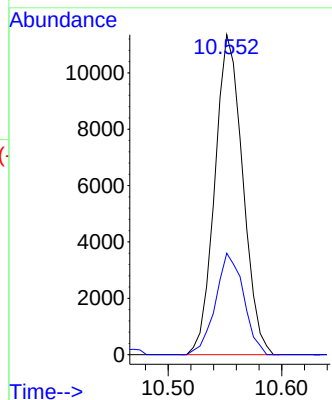
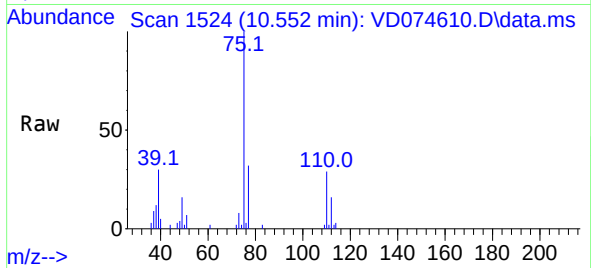




#53  
t-1,3-Dichloropropene  
Concen: 18.442 ug/l  
RT: 10.552 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

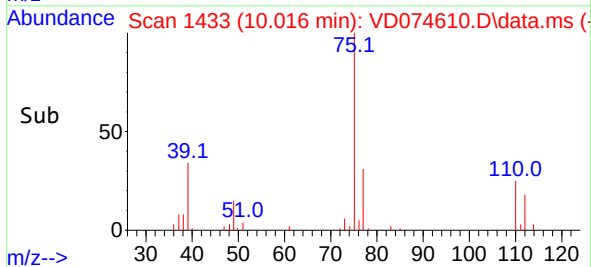
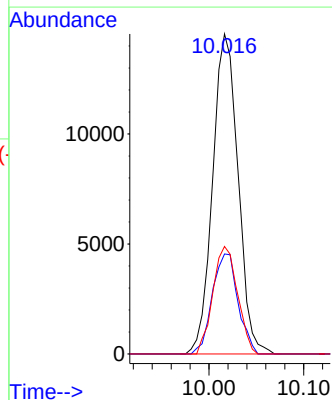
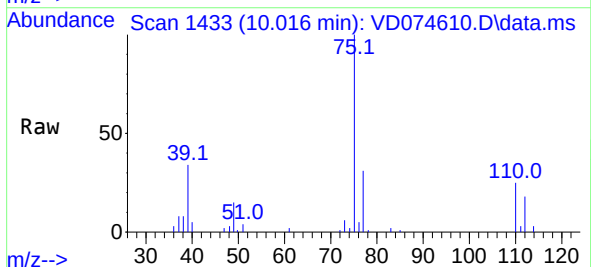
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

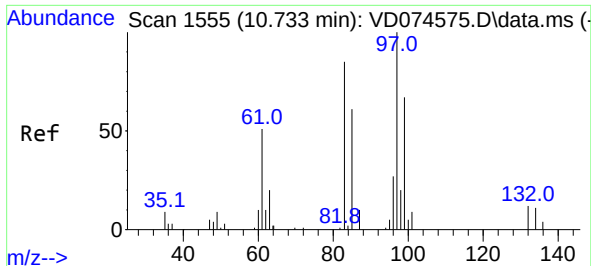
Tgt Ion: 75 Resp: 19377  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.6 38.4



#54  
cis-1,3-Dichloropropene  
Concen: 20.463 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 75 Resp: 27109  
Ion Ratio Lower Upper  
75 100  
77 31.3 24.7 37.1  
39 33.6 25.4 38.2



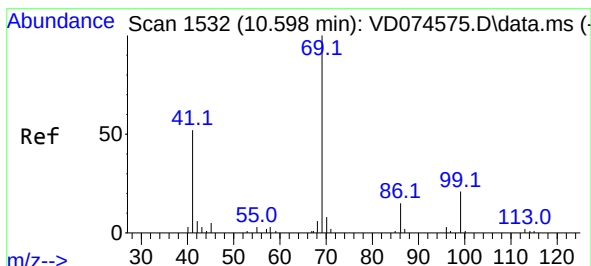
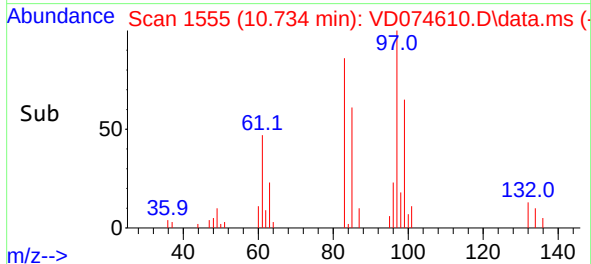
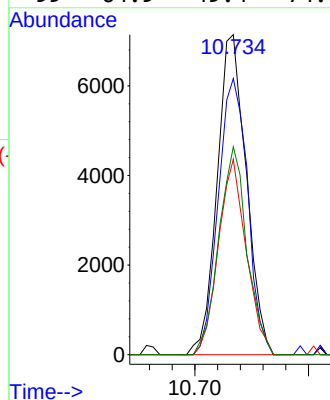
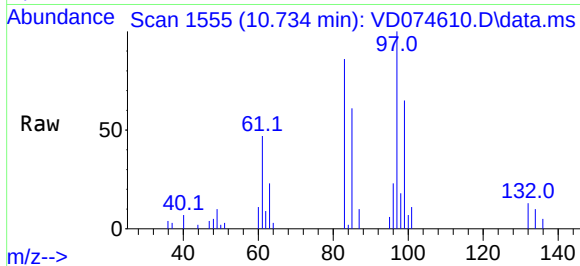


#55  
1,1,2-Trichloroethane  
Concen: 19.197 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

Tgt Ion: 97 Resp: 12739

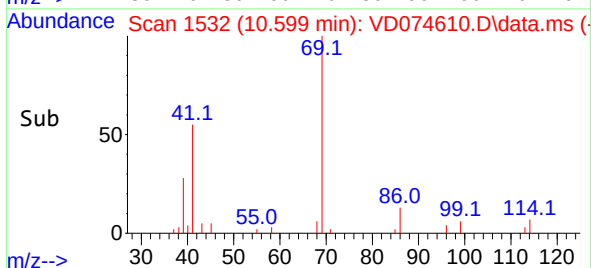
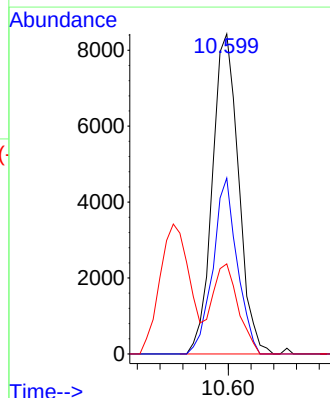
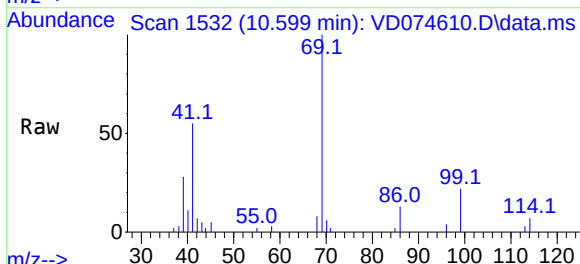
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 86.3  | 64.8  | 97.2  |
| 85  | 61.0  | 44.8  | 67.2  |
| 99  | 64.9  | 49.4  | 74.0  |



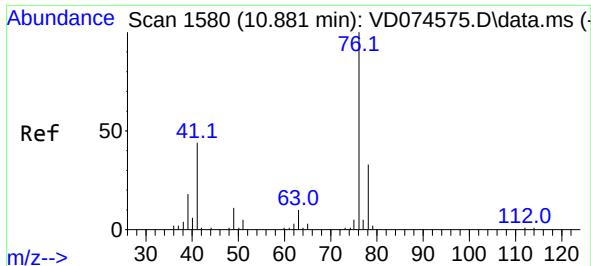
#56  
Ethyl methacrylate  
Concen: 18.612 ug/l  
RT: 10.599 min Scan# 1532  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 69 Resp: 13501

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 50.8  | 38.6  | 58.0  |
| 39  | 28.4  | 19.9  | 29.9  |







#57

1,3-Dichloropropane

Concen: 19.155 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.006 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

Instrument :

MSVOA\_D

ClientSampleId :

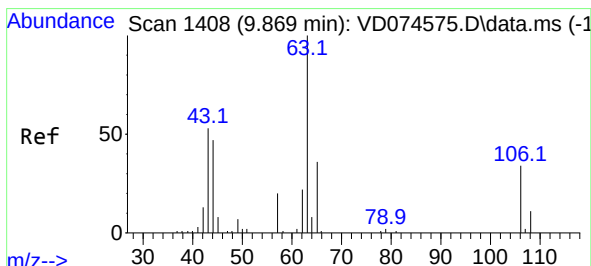
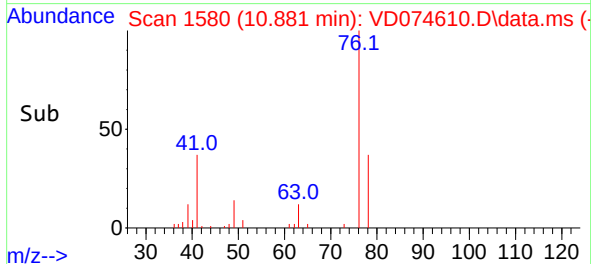
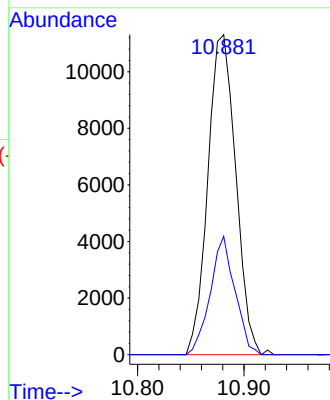
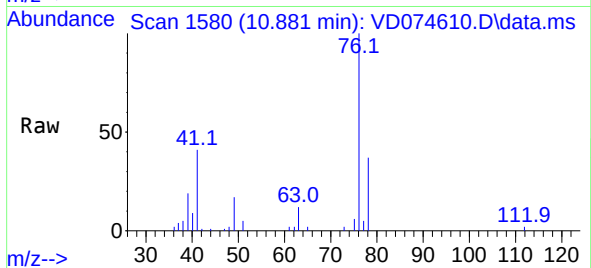
VD1021SBS01

Tgt Ion: 76 Resp: 20621

Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 81.595 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD074610.D

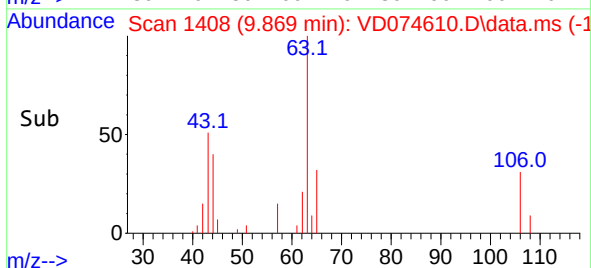
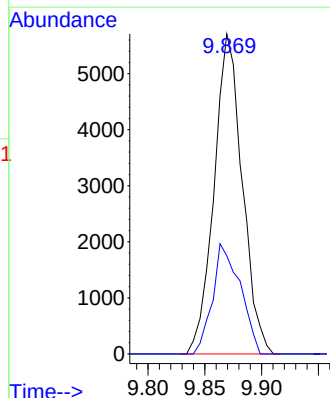
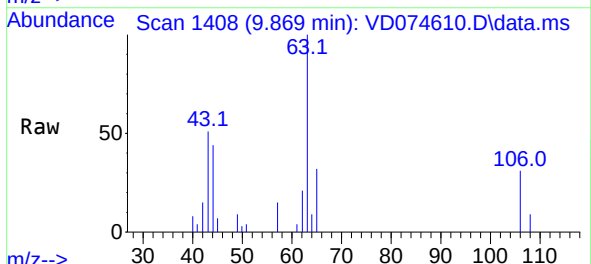
Acq: 21 Oct 2022 12:41

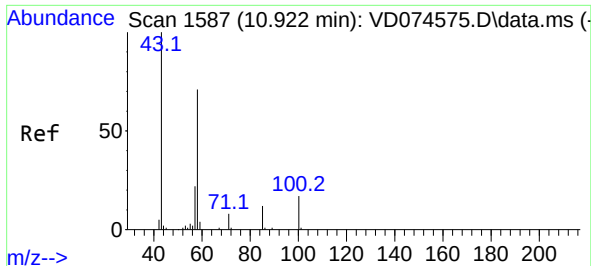
Tgt Ion: 63 Resp: 9836

Ion Ratio Lower Upper

63 100

106 33.7 26.5 39.7

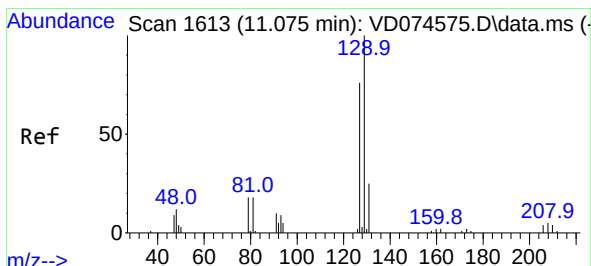
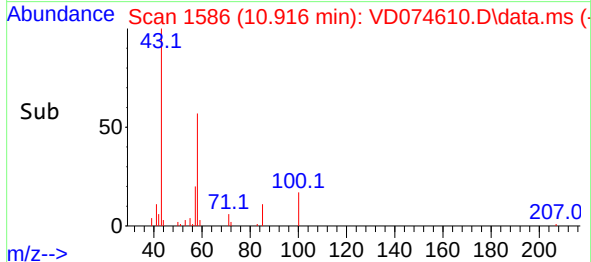
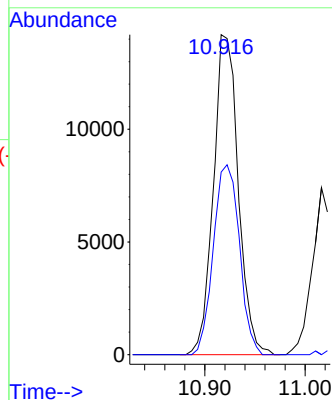
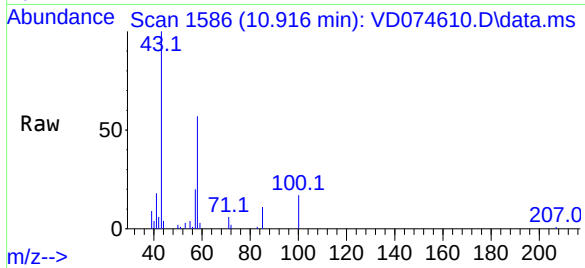




#59  
2-Hexanone  
Concen: 95.360 ug/l  
RT: 10.916 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

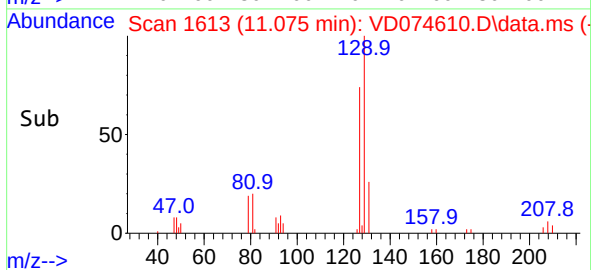
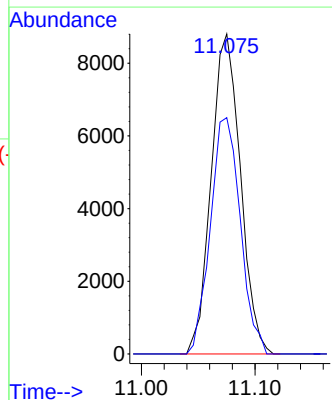
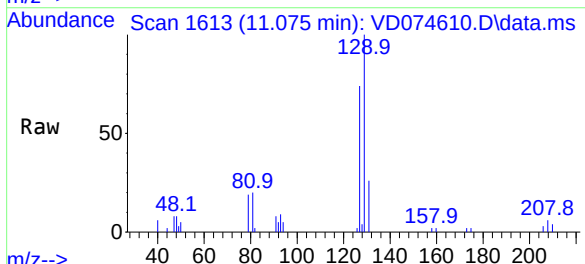
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

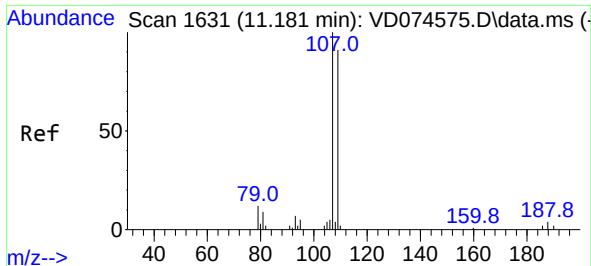
Tgt Ion: 43 Resp: 24395  
Ion Ratio Lower Upper  
43 100  
58 62.2 32.0 96.2



#60  
Dibromochloromethane  
Concen: 19.676 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 129 Resp: 15738  
Ion Ratio Lower Upper  
129 100  
127 75.6 39.1 117.2

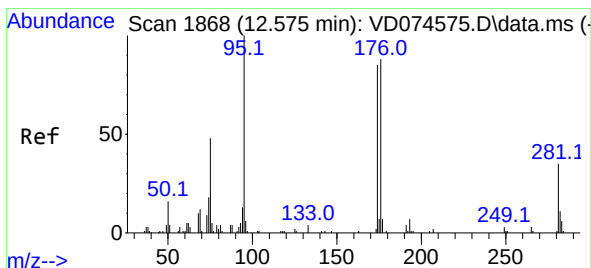
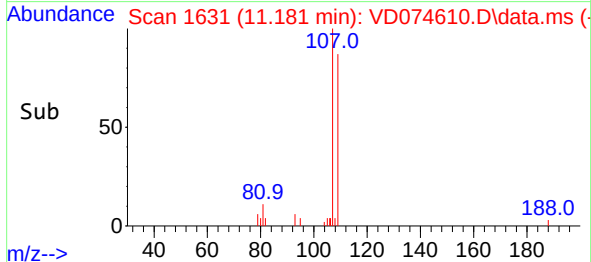
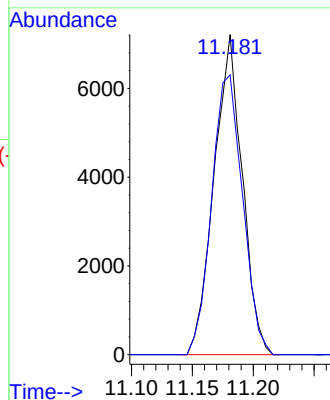
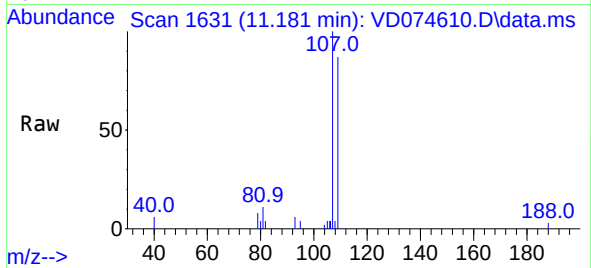




#61  
1,2-Dibromoethane  
Concen: 19.229 ug/l  
RT: 11.181 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

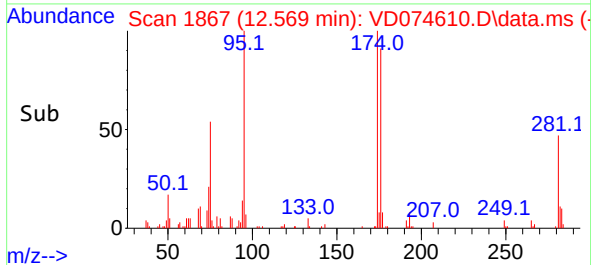
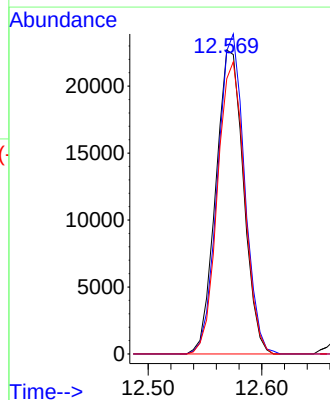
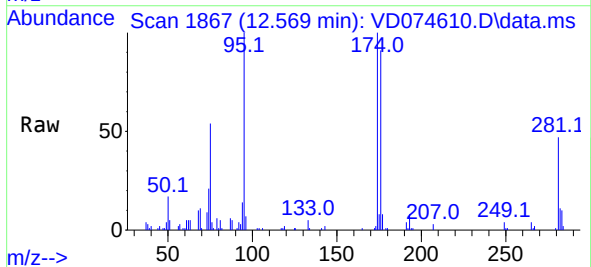
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

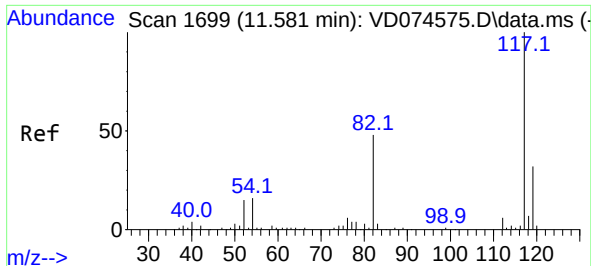
Tgt Ion:107 Resp: 11648  
Ion Ratio Lower Upper  
107 100  
109 95.8 74.6 111.8



#62  
4-Bromofluorobenzene  
Concen: 46.469 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 95 Resp: 38389  
Ion Ratio Lower Upper  
95 100  
174 102.3 0.0 197.0  
176 93.8 0.0 182.6

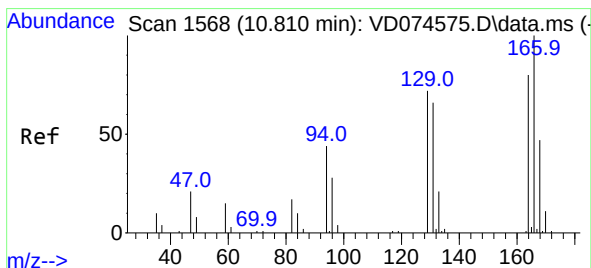
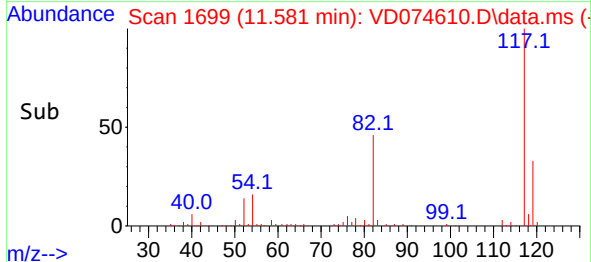
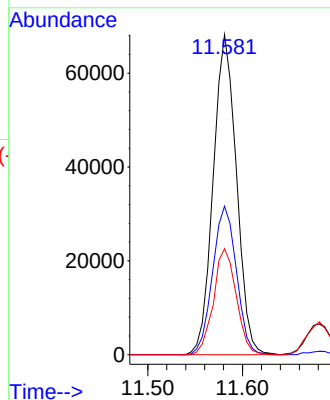
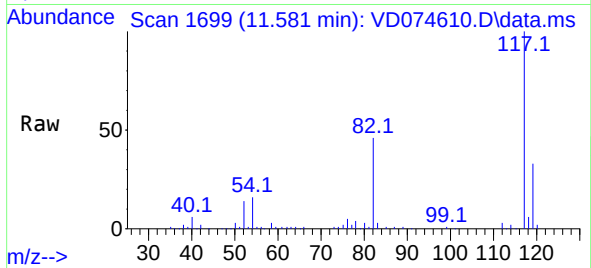




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

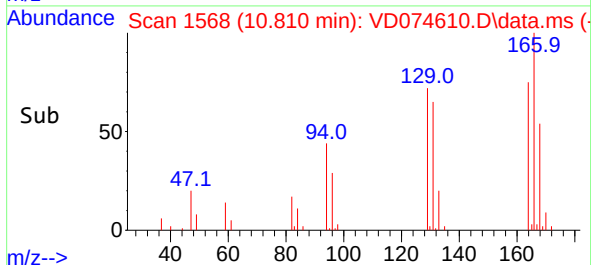
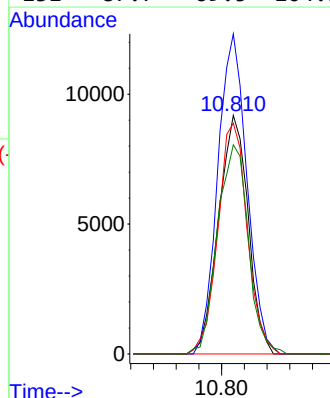
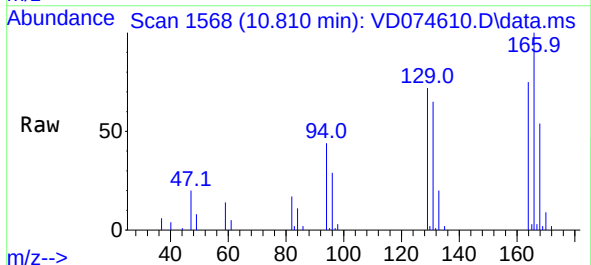
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

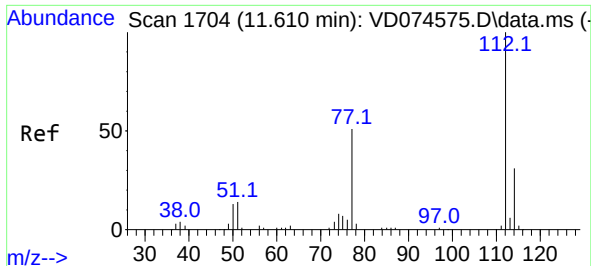
Tgt Ion:117 Resp: 116411  
Ion Ratio Lower Upper  
117 100  
82 46.4 41.6 62.4  
119 33.1 25.2 37.8



#64  
Tetrachloroethene  
Concen: 19.313 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion:164 Resp: 16618  
Ion Ratio Lower Upper  
164 100  
166 134.2 107.8 161.8  
129 96.8 77.4 116.2  
131 87.7 69.5 104.3

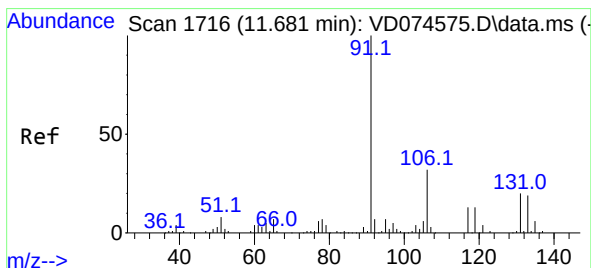
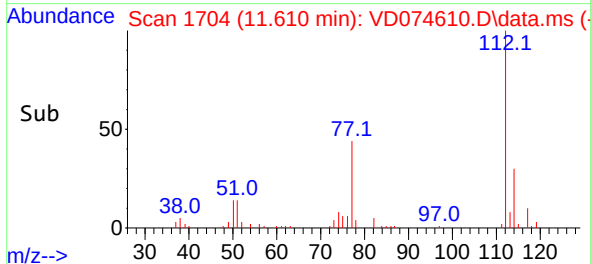
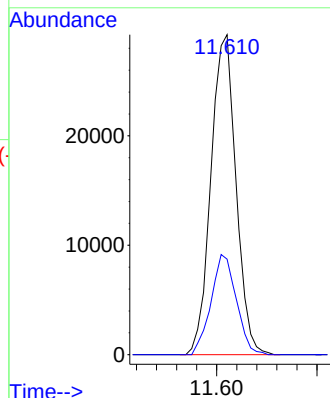
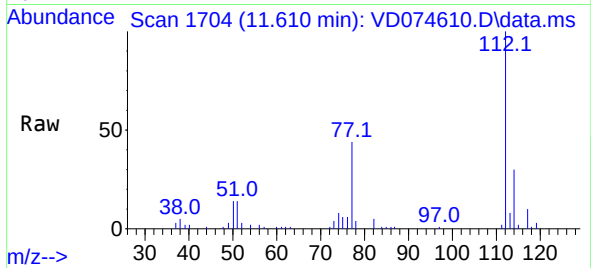




#65  
Chlorobenzene  
Concen: 20.672 ug/l  
RT: 11.610 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

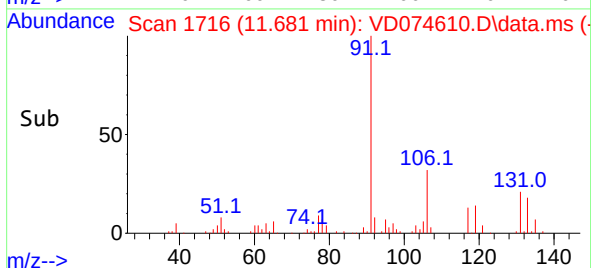
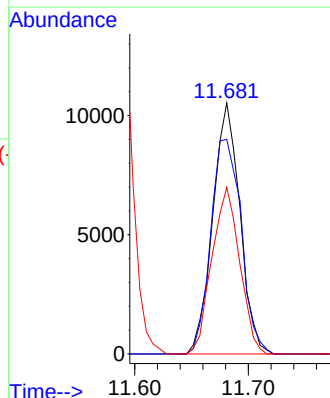
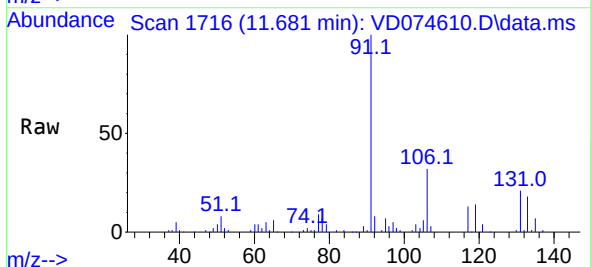
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

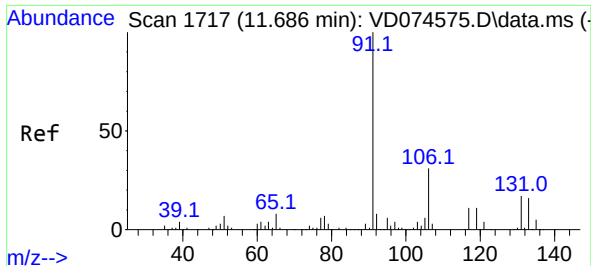
Tgt Ion:112 Resp: 50688  
Ion Ratio Lower Upper  
112 100  
114 29.8 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.719 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion:131 Resp: 17455  
Ion Ratio Lower Upper  
131 100  
133 96.1 46.6 139.8  
119 67.9 32.5 97.4

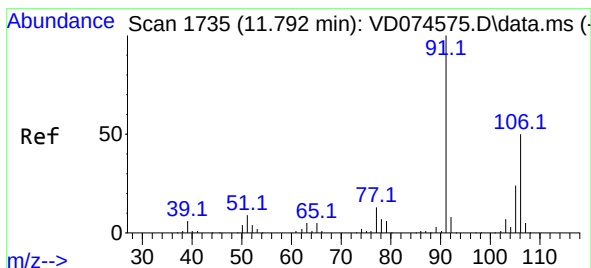
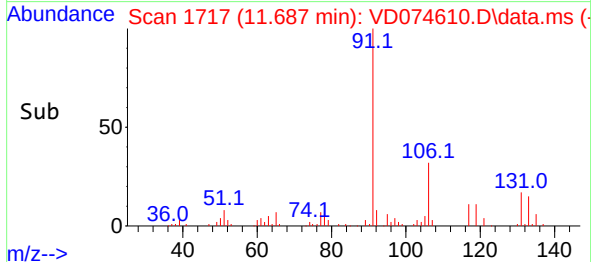
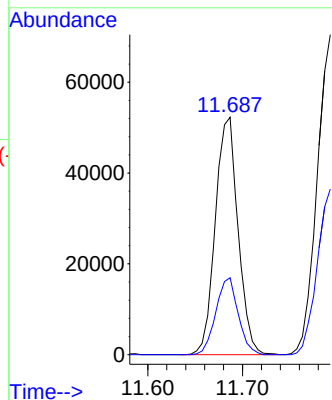
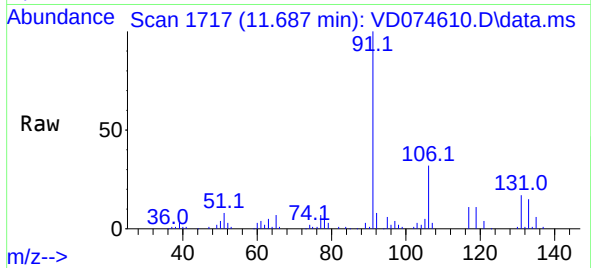




#67  
Ethyl Benzene  
Concen: 20.440 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

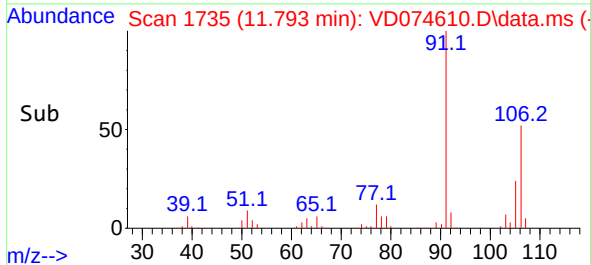
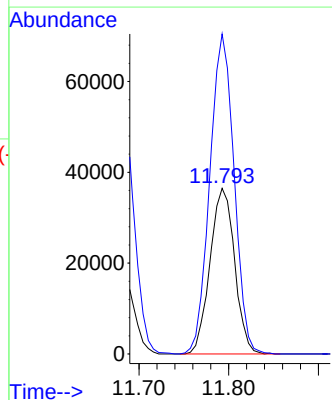
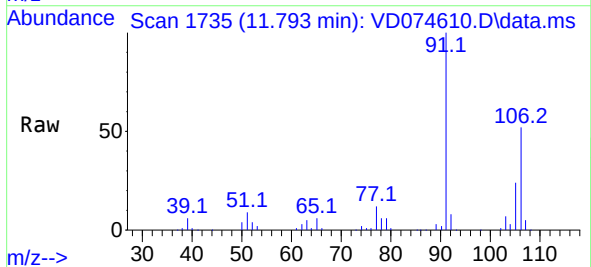
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

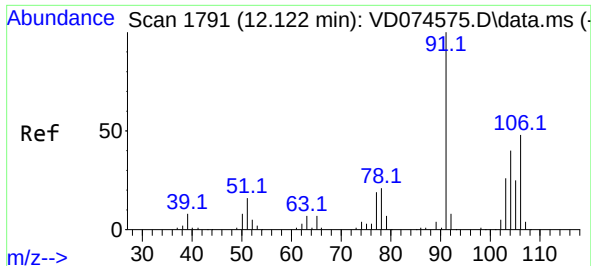
Tgt Ion: 91 Resp: 87275  
Ion Ratio Lower Upper  
91 100  
106 32.4 26.6 40.0



#68  
m/p-Xylenes  
Concen: 40.889 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion:106 Resp: 69419  
Ion Ratio Lower Upper  
106 100  
91 190.9 156.2 234.4

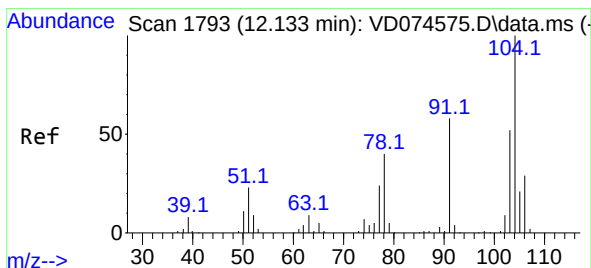
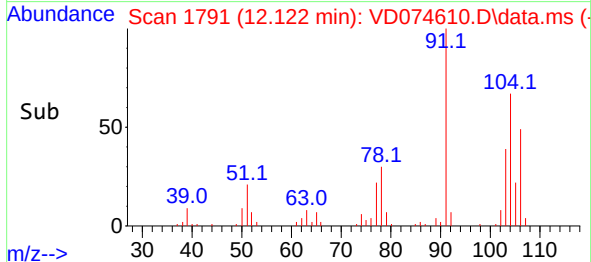
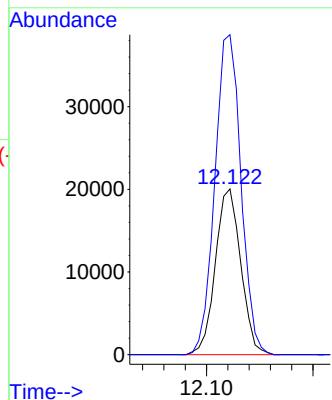
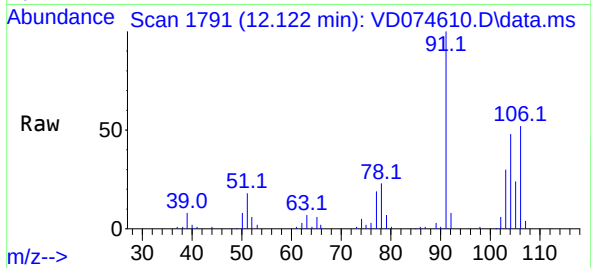




#69  
o-Xylene  
Concen: 21.044 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

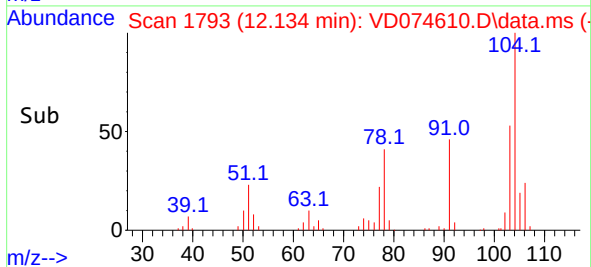
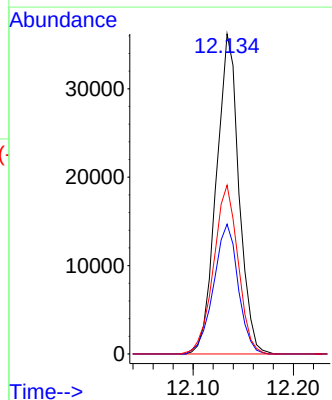
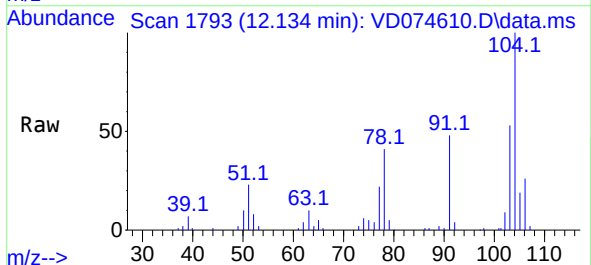
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

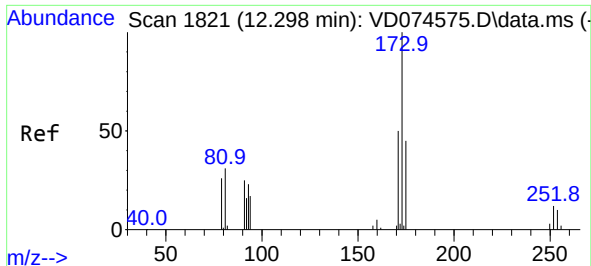
Tgt Ion:106 Resp: 33250  
Ion Ratio Lower Upper  
106 100  
91 198.0 104.5 313.3



#70  
Styrene  
Concen: 21.294 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

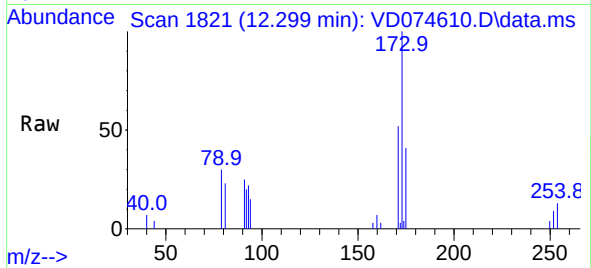
Tgt Ion:104 Resp: 56663  
Ion Ratio Lower Upper  
104 100  
78 44.0 35.7 53.5  
103 56.9 43.7 65.5



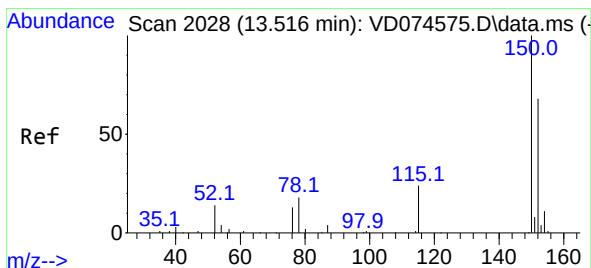
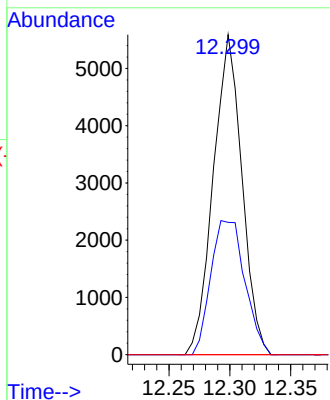
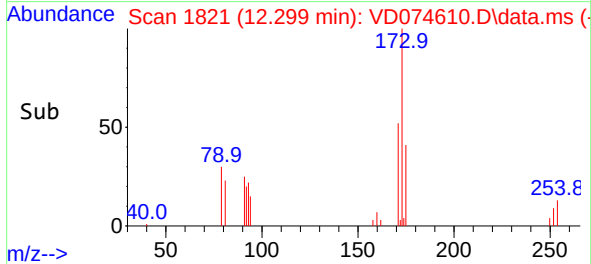


#71  
Bromoform  
Concen: 20.685 ug/l  
RT: 12.299 min Scan# 1821  
Delta R.T. 0.007 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

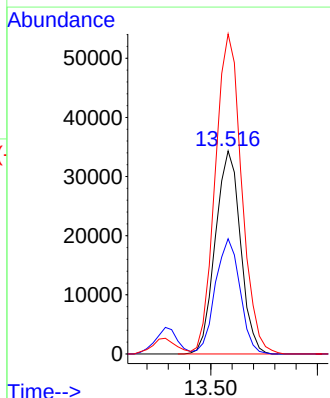
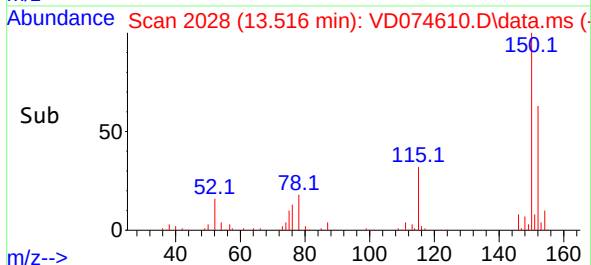
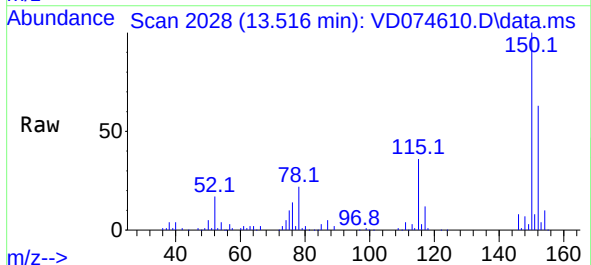


Tgt Ion:173 Resp: 9149  
Ion Ratio Lower Upper  
173 100  
175 49.8 23.1 69.3  
254 0.0 0.0 0.0

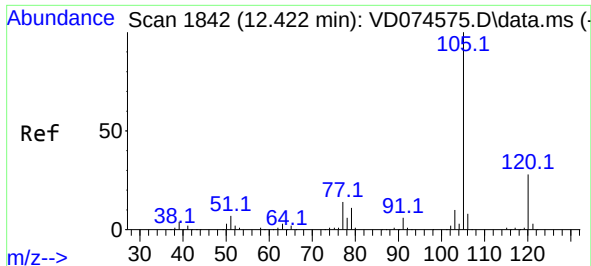


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion:152 Resp: 56187  
Ion Ratio Lower Upper  
152 100  
115 55.9 26.8 80.4  
150 165.8 0.0 348.2



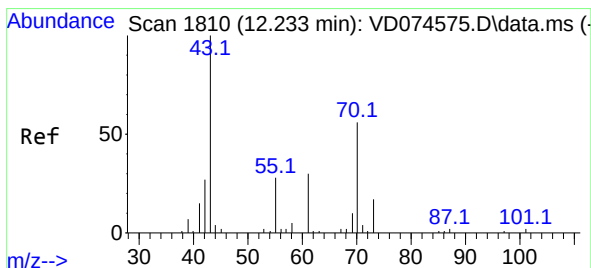
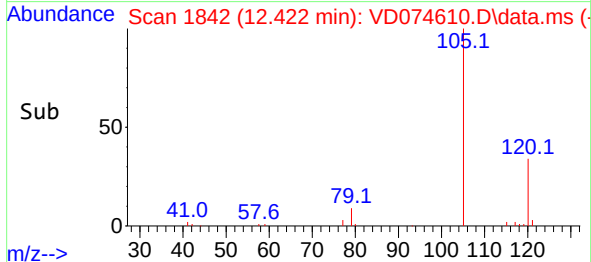
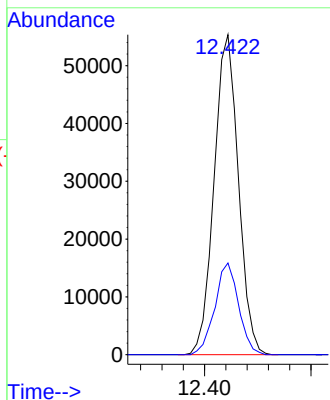
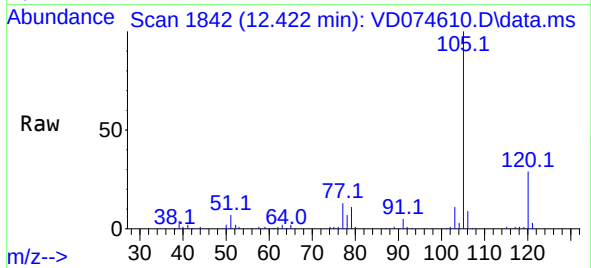




#73  
Isopropylbenzene  
Concen: 19.942 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

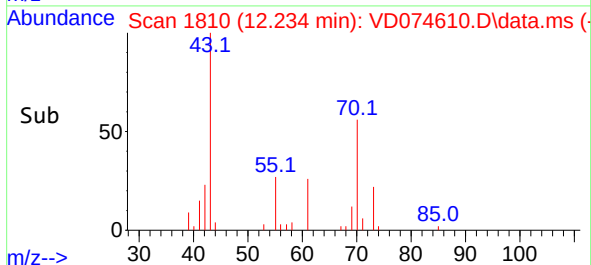
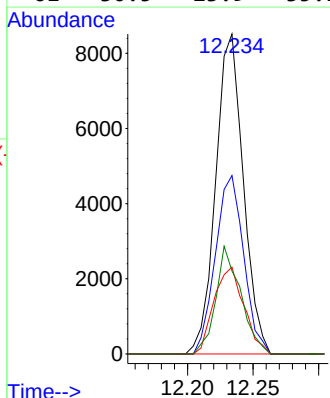
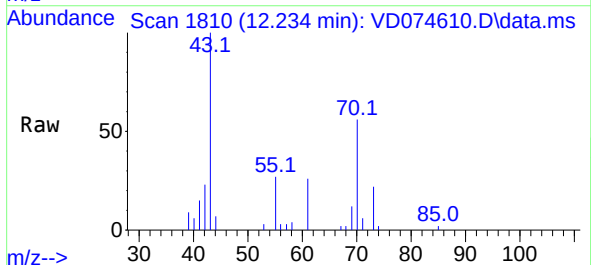
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

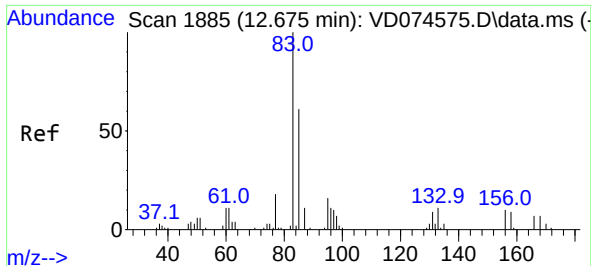
Tgt Ion:105 Resp: 87386  
Ion Ratio Lower Upper  
105 100  
120 28.1 13.5 40.4



#74  
N-ethyl acetate  
Concen: 19.233 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 43 Resp: 12457  
Ion Ratio Lower Upper  
43 100  
70 57.2 43.8 65.6  
55 29.5 22.0 33.0  
61 30.5 23.9 35.9

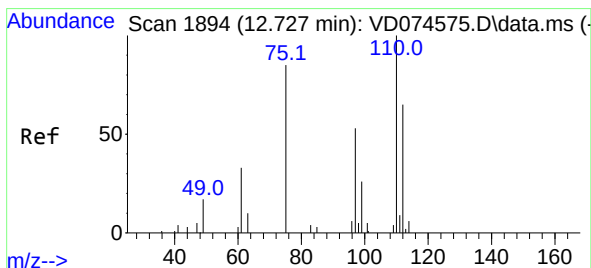
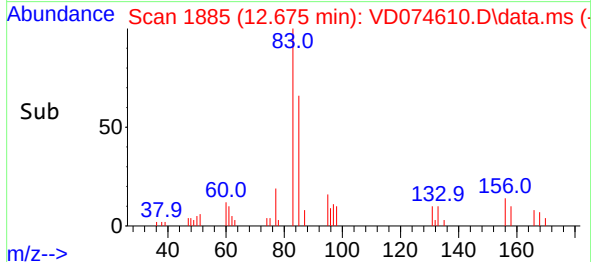
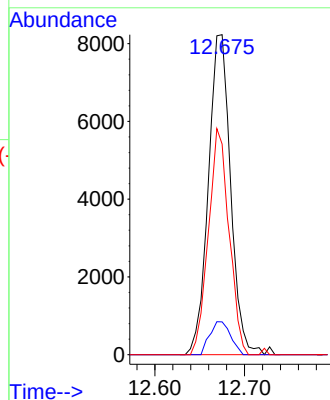
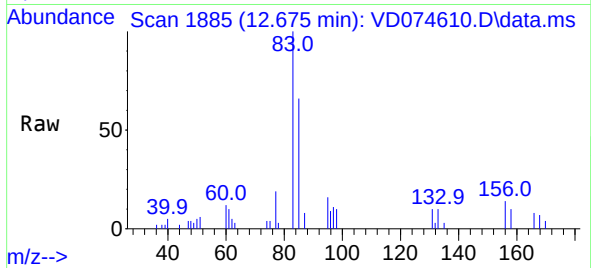




#75  
1,1,2,2-Tetrachloroethane  
Concen: 20.492 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

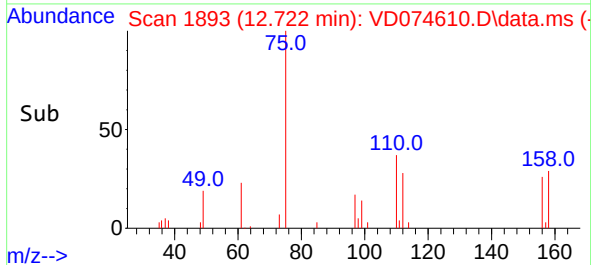
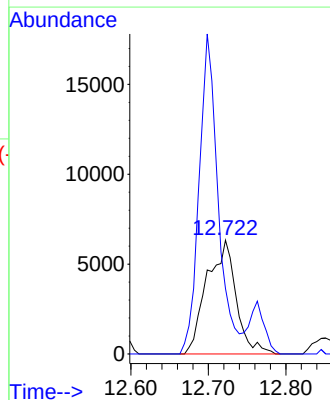
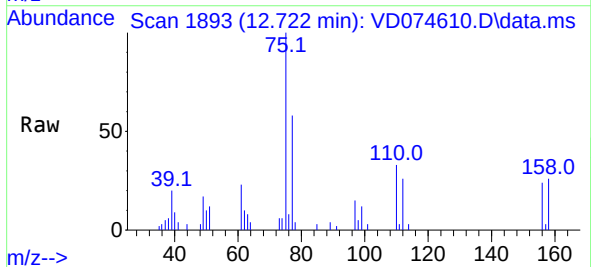
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

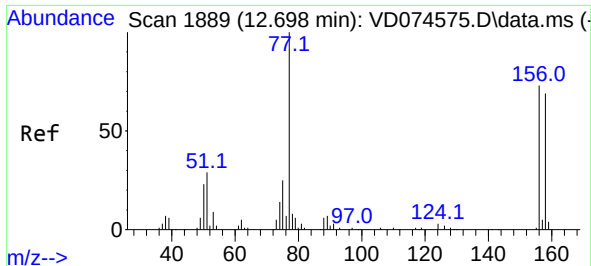
Tgt Ion: 83 Resp: 14215  
Ion Ratio Lower Upper  
83 100  
131 9.6 4.7 14.1  
85 65.1 33.1 99.2



#76  
1,2,3-Trichloropropane  
Concen: 33.785 ug/l  
RT: 12.722 min Scan# 1893  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 75 Resp: 16575  
Ion Ratio Lower Upper  
75 100  
77 0.0 185.8 557.5#

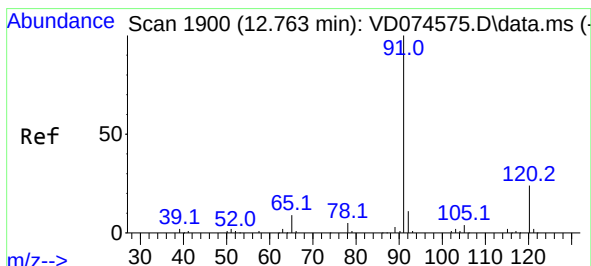
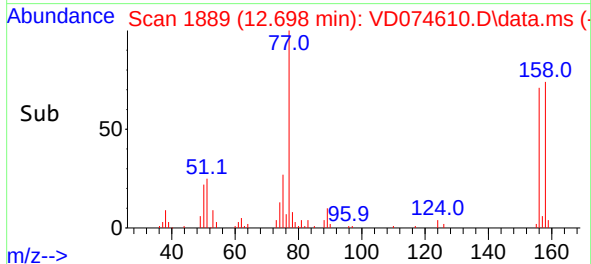
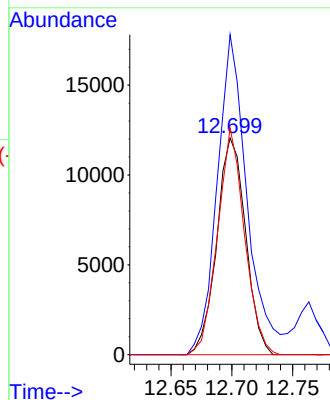
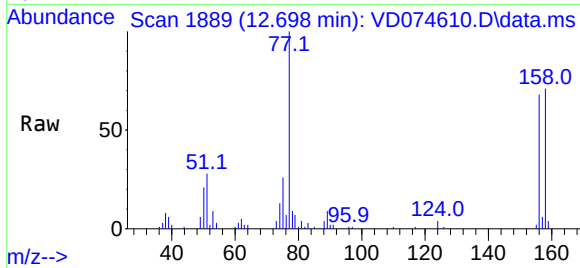




#77  
Bromobenzene  
Concen: 20.073 ug/l  
RT: 12.698 min Scan# 1889  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

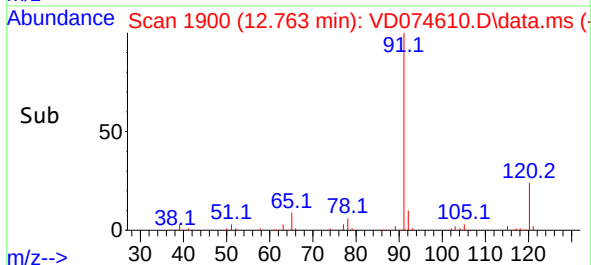
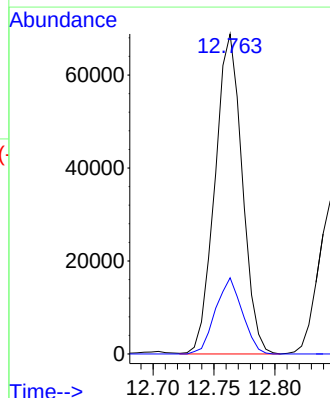
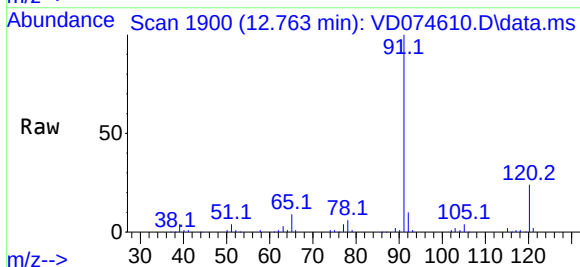
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

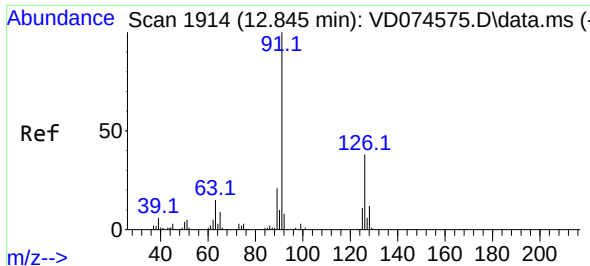
Tgt Ion:156 Resp: 19852  
Ion Ratio Lower Upper  
156 100  
77 152.0 77.7 233.1  
158 98.2 49.4 148.2



#78  
n-propylbenzene  
Concen: 20.709 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 91 Resp: 107246  
Ion Ratio Lower Upper  
91 100  
120 23.4 11.9 35.7

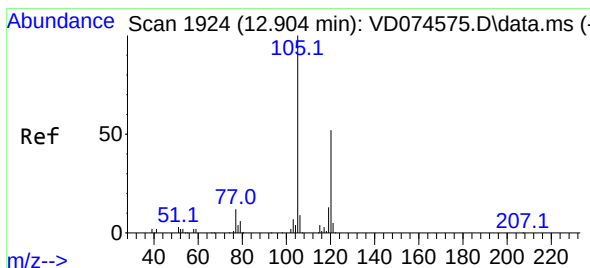
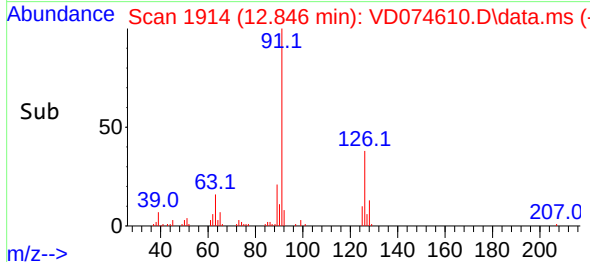
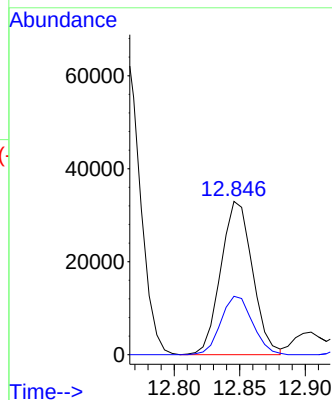
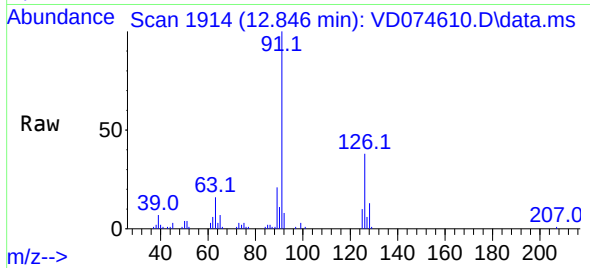




#79  
2-Chlorotoluene  
Concen: 19.793 ug/l  
RT: 12.846 min Scan# 1914  
Delta R.T. 0.001 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

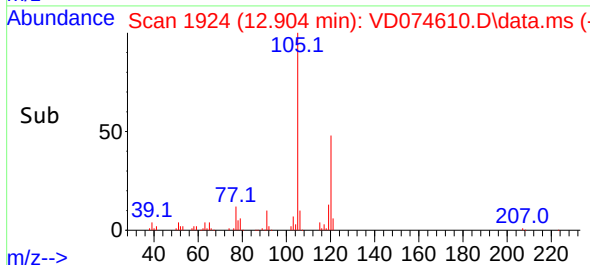
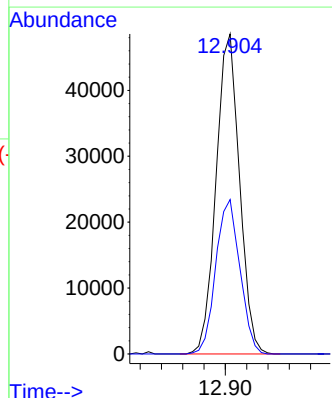
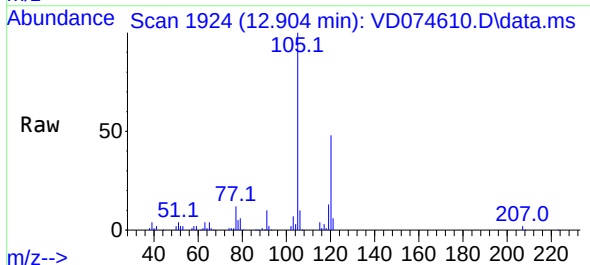
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

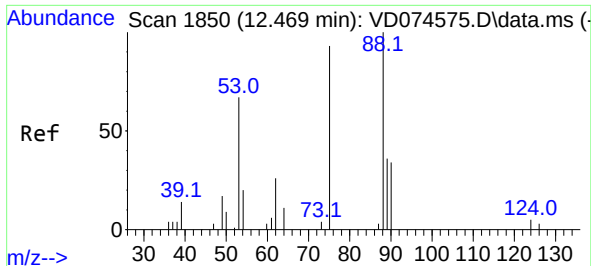
Tgt Ion: 91 Resp: 55529  
Ion Ratio Lower Upper  
91 100  
126 38.1 18.3 54.8



#80  
1,3,5-Trimethylbenzene  
Concen: 20.830 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 105 Resp: 74093  
Ion Ratio Lower Upper  
105 100  
120 49.6 25.7 77.0

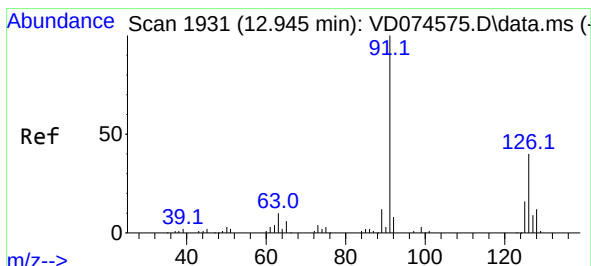
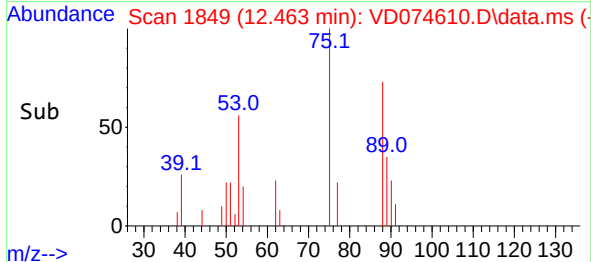
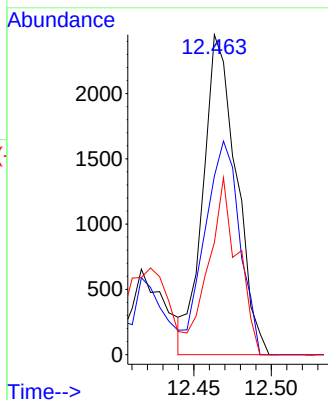
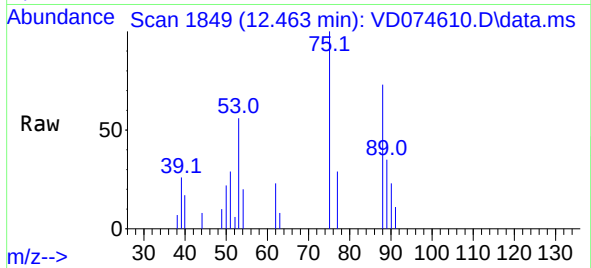




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.981 ug/l  
RT: 12.463 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

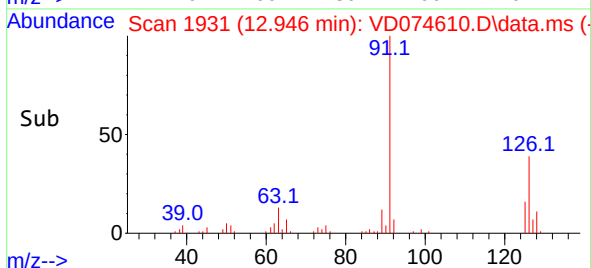
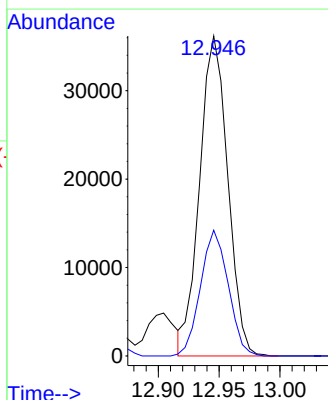
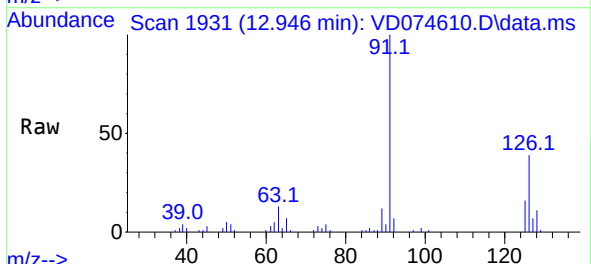
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

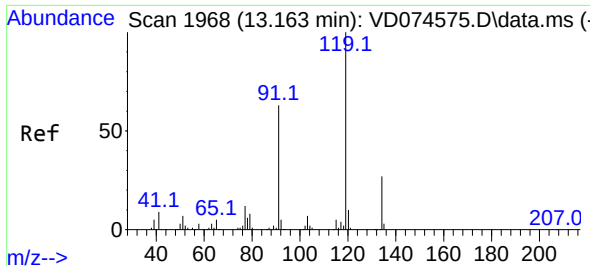
Tgt Ion: 75 Resp: 3644  
Ion Ratio Lower Upper  
75 100  
53 70.9 63.8 95.6  
89 47.8 38.2 57.4



#82  
4-Chlorotoluene  
Concen: 20.204 ug/l  
RT: 12.946 min Scan# 1931  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion: 91 Resp: 58236  
Ion Ratio Lower Upper  
91 100  
126 38.8 18.8 56.4

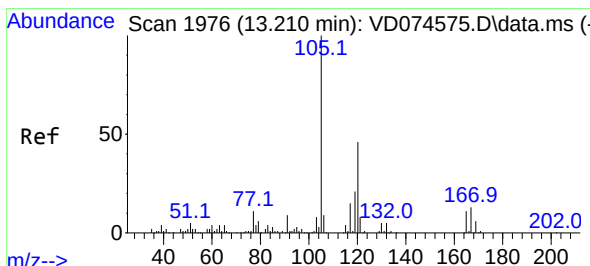
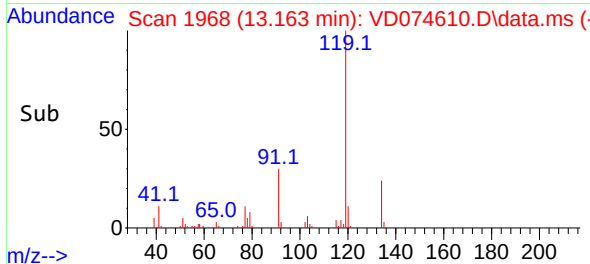
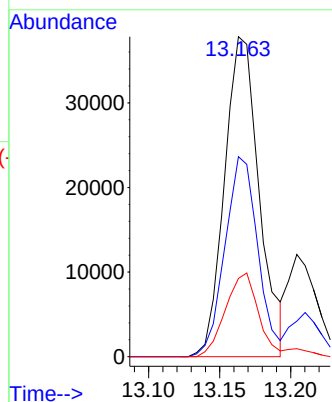
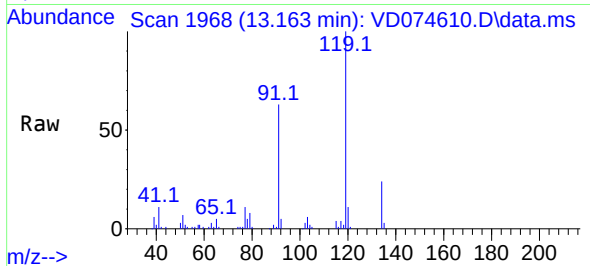




#83  
tert-Butylbenzene  
Concen: 20.297 ug/l  
RT: 13.163 min Scan# 1968  
Delta R.T. 0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

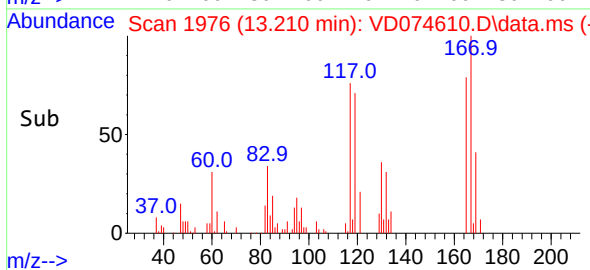
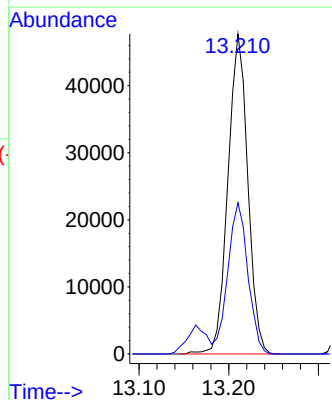
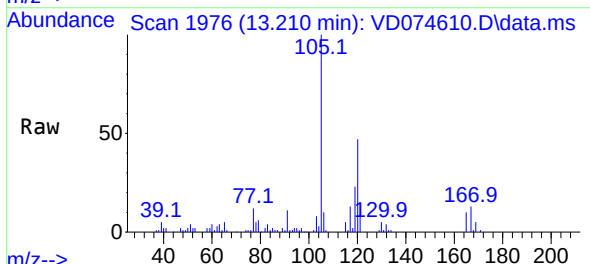
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

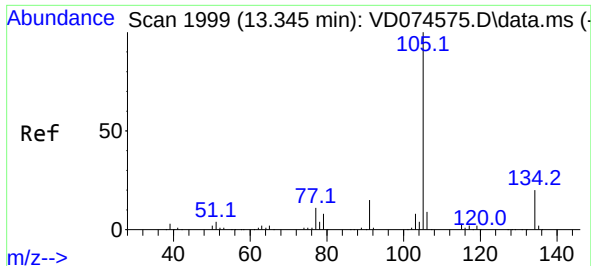
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 64406 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 59.2  | 30.0  | 90.0  |
| 134       | 26.3  | 13.4  | 40.1  |



#84  
1,2,4-Trimethylbenzene  
Concen: 20.908 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 73185 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 47.8  | 22.9  | 68.7  |

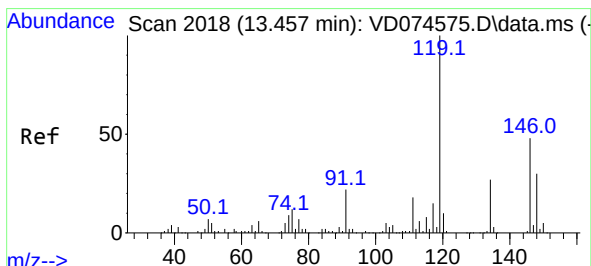
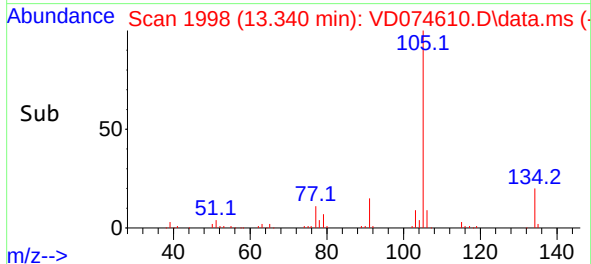
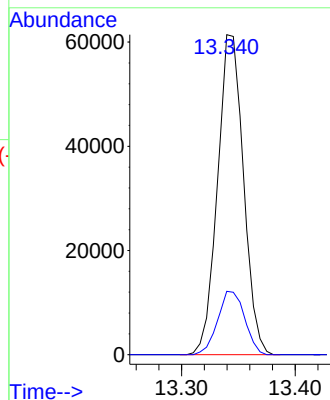
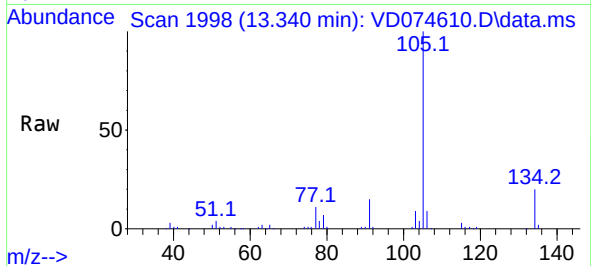




#85  
 sec-Butylbenzene  
 Concen: 20.480 ug/l  
 RT: 13.340 min Scan# 1999  
 Delta R.T. 0.001 min  
 Lab File: VD074610.D  
 Acq: 21 Oct 2022 12:41

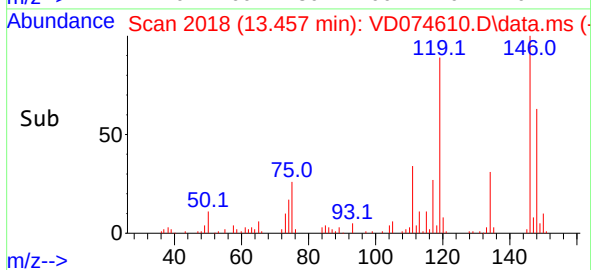
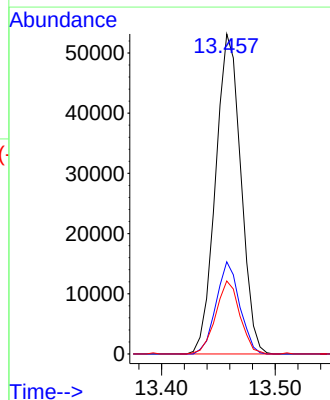
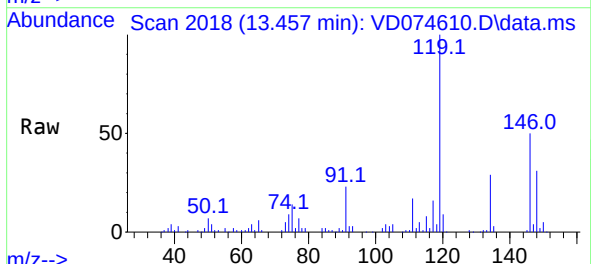
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1021SBS01

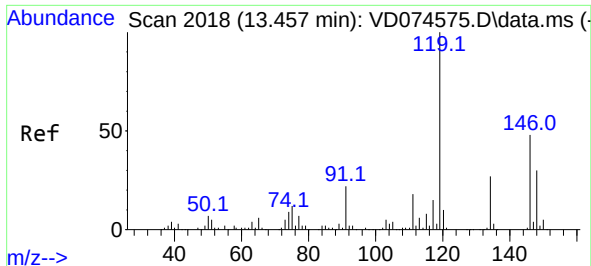
Tgt Ion:105 Resp: 97525  
 Ion Ratio Lower Upper  
 105 100  
 134 20.6 10.0 30.0



#86  
 p-Isopropyltoluene  
 Concen: 20.606 ug/l  
 RT: 13.457 min Scan# 2018  
 Delta R.T. 0.000 min  
 Lab File: VD074610.D  
 Acq: 21 Oct 2022 12:41

Tgt Ion:119 Resp: 82201  
 Ion Ratio Lower Upper  
 119 100  
 134 26.8 13.5 40.4  
 91 21.8 10.8 32.4

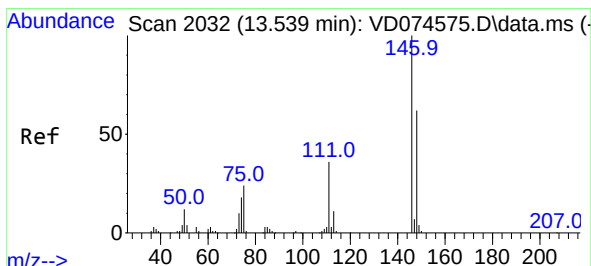
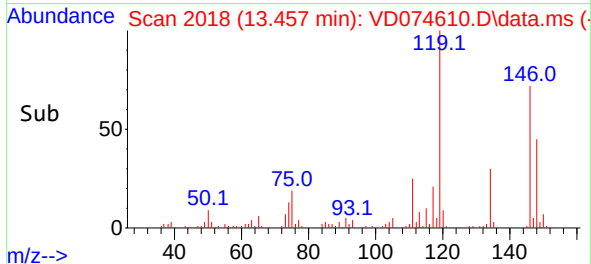
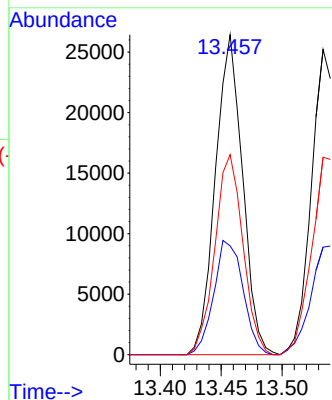
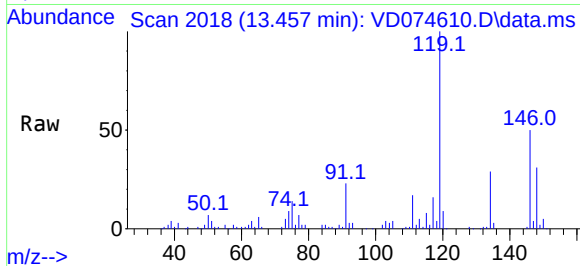




#87  
1,3-Dichlorobenzene  
Concen: 19.969 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

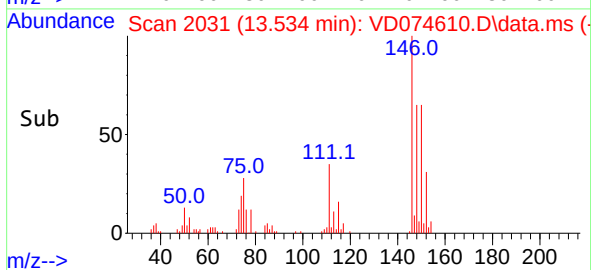
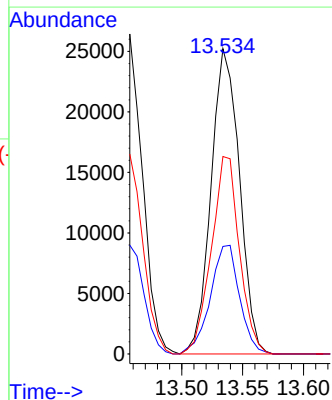
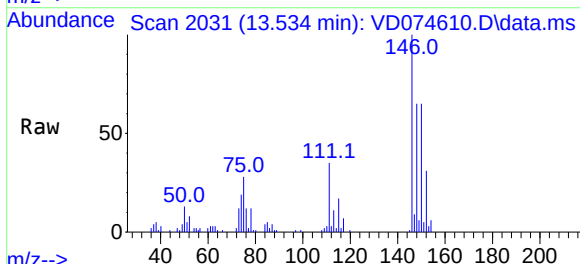
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

Tgt Ion:146 Resp: 41039  
Ion Ratio Lower Upper  
146 100  
111 38.4 18.3 54.8  
148 64.6 31.8 95.4

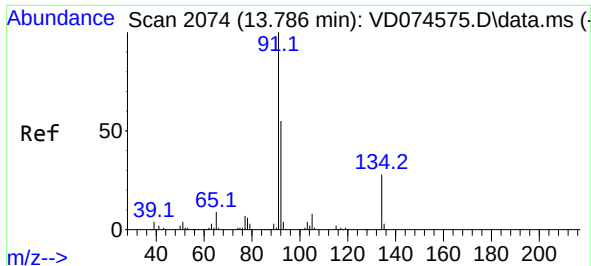


#88  
1,4-Dichlorobenzene  
Concen: 20.340 ug/l  
RT: 13.534 min Scan# 2031  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion:146 Resp: 40922  
Ion Ratio Lower Upper  
146 100  
111 36.7 17.7 53.1  
148 64.1 32.3 96.9



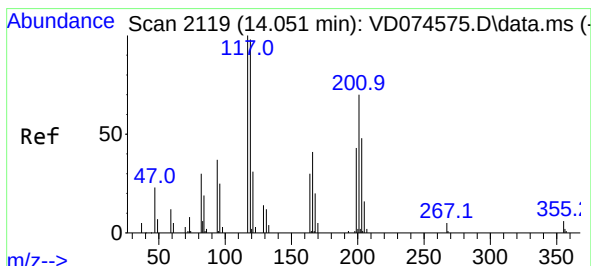
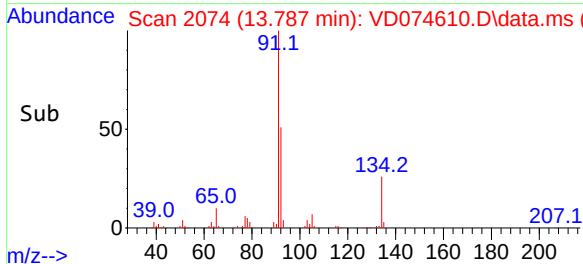
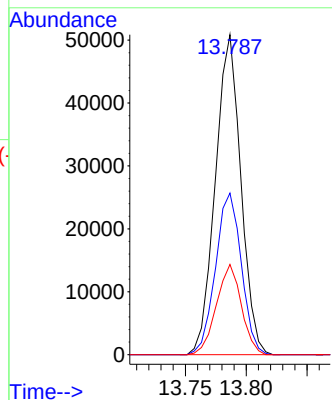
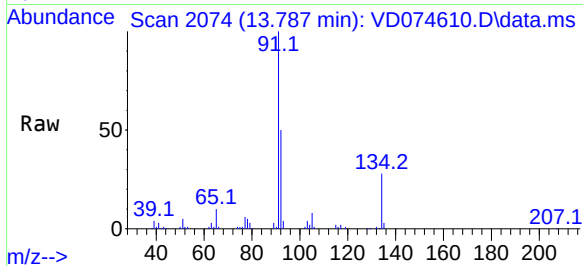




#89  
n-Butylbenzene  
Concen: 20.392 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

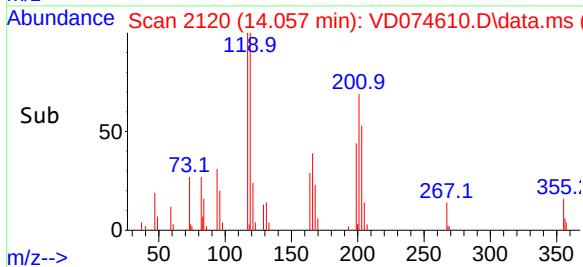
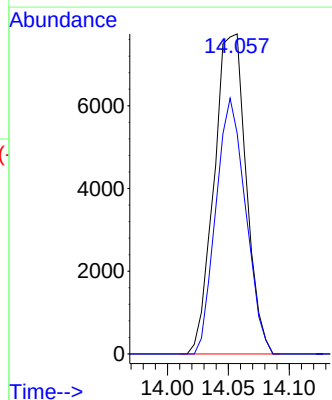
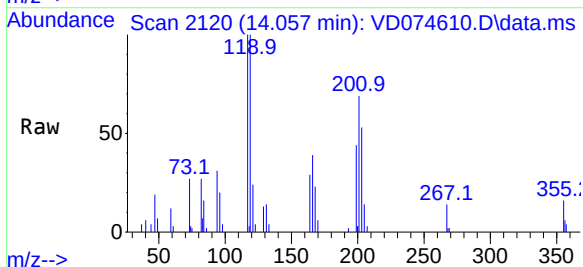
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

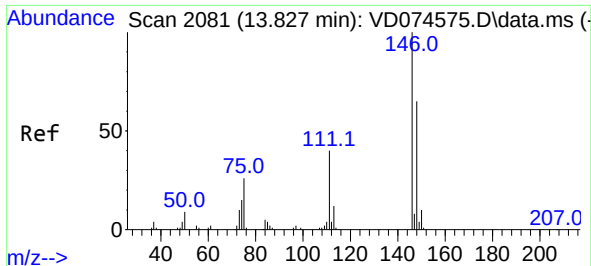
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 74113 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 51.2  | 26.9  | 80.7  |
| 134      | 27.6  | 13.4  | 40.2  |



#90  
Hexachloroethane  
Concen: 20.433 ug/l  
RT: 14.057 min Scan# 2120  
Delta R.T. 0.012 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 14188 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 74.1  | 38.0  | 114.0 |





#91

1,2-Dichlorobenzene

Concen: 20.884 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1021SBS01

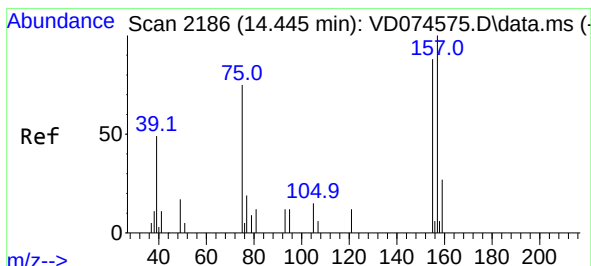
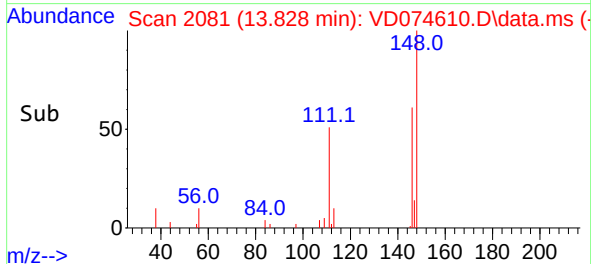
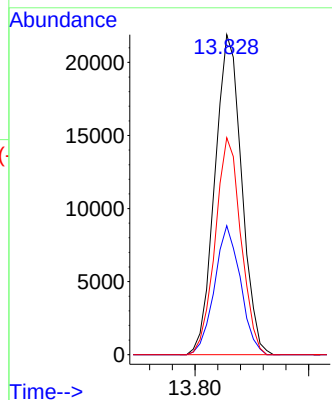
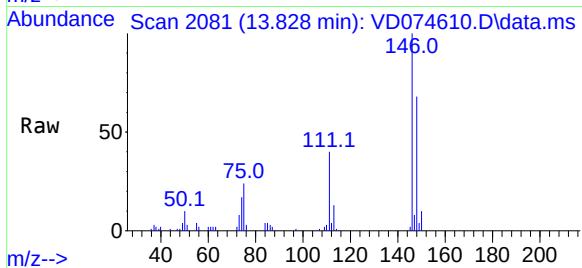
Tgt Ion:146 Resp: 35802

Ion Ratio Lower Upper

146 100

111 39.2 18.9 56.5

148 65.3 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.772 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. 0.006 min

Lab File: VD074610.D

Acq: 21 Oct 2022 12:41

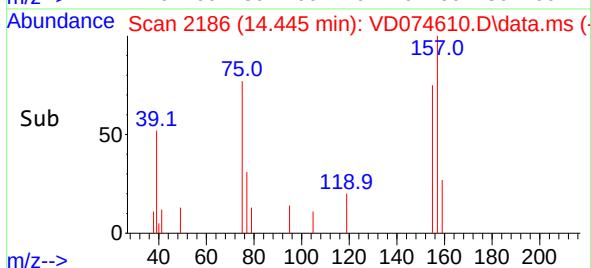
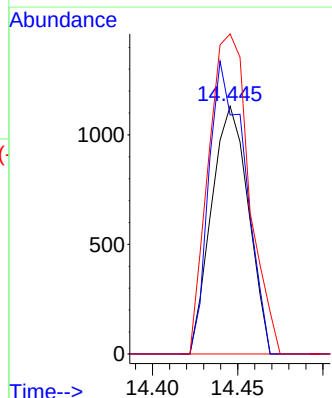
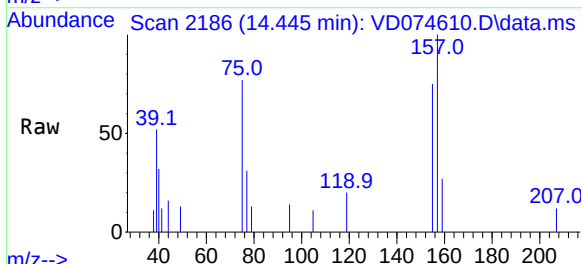
Tgt Ion: 75 Resp: 1705

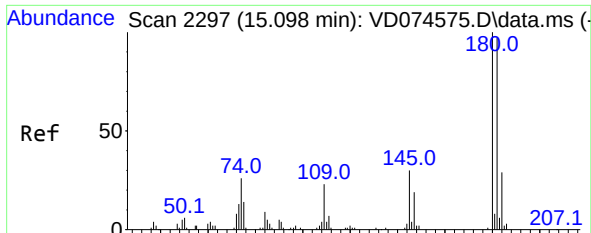
Ion Ratio Lower Upper

75 100

155 115.4 51.2 153.8

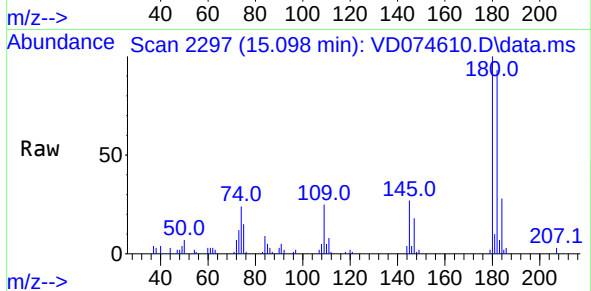
157 142.6 68.2 204.5



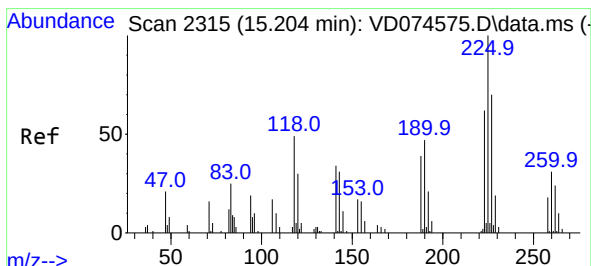
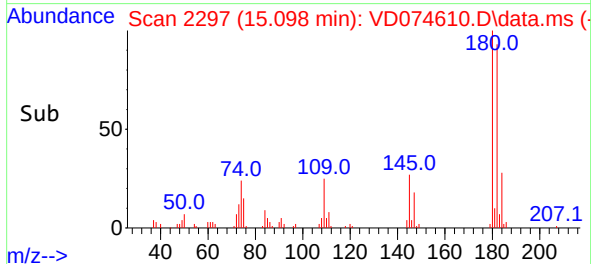
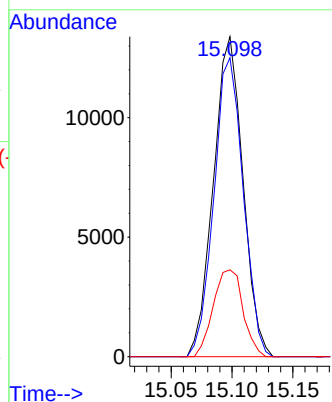


#93  
1,2,4-Trichlorobenzene  
Concen: 19.957 ug/l  
RT: 15.098 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

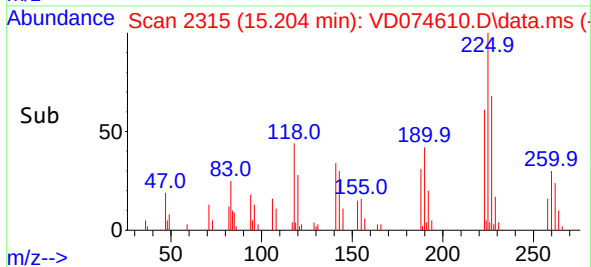
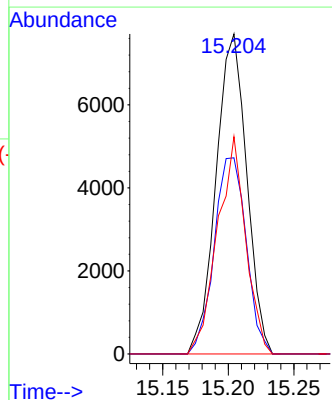
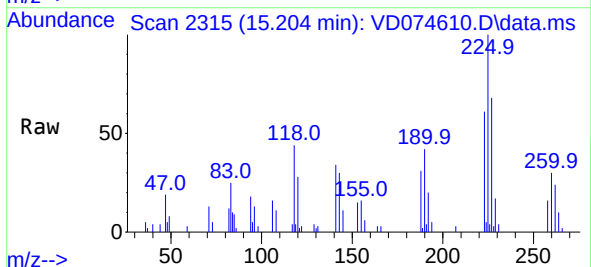


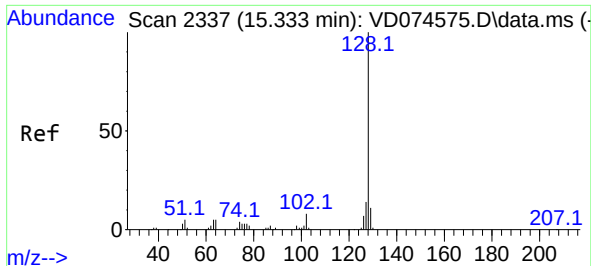
Tgt Ion:180 Resp: 22569  
Ion Ratio Lower Upper  
180 100  
182 92.8 46.9 140.6  
145 27.3 14.1 42.3



#94  
Hexachlorobutadiene  
Concen: 20.141 ug/l  
RT: 15.204 min Scan# 2315  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion:225 Resp: 12531  
Ion Ratio Lower Upper  
225 100  
223 64.0 31.9 95.5  
227 62.5 32.6 97.8



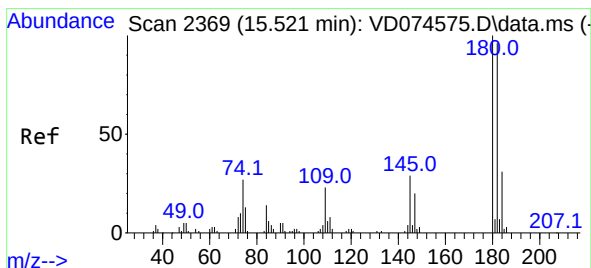
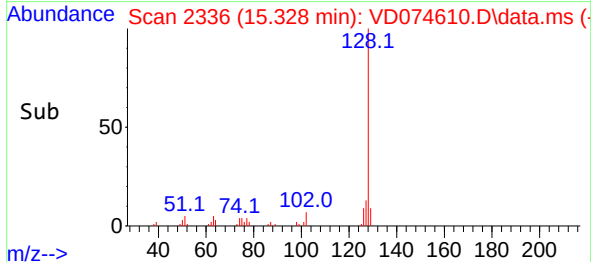
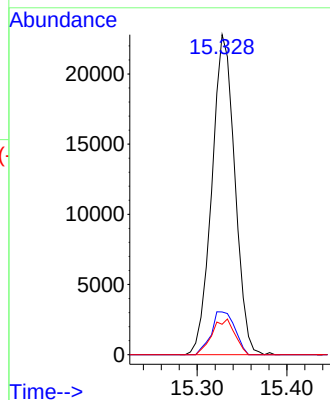
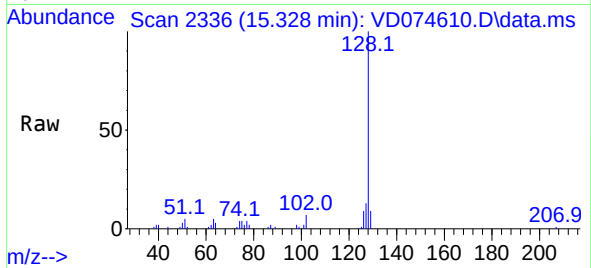


#95  
Naphthalene  
Concen: 19.020 ug/l  
RT: 15.328 min Scan# 2336  
Delta R.T. -0.000 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1021SBS01

Tgt Ion:128 Resp: 40491

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.9  | 10.6  | 16.0  |
| 129 | 11.1  | 8.3   | 12.5  |



#96  
1,2,3-Trichlorobenzene  
Concen: 20.160 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. 0.006 min  
Lab File: VD074610.D  
Acq: 21 Oct 2022 12:41

Tgt Ion:180 Resp: 19544

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 92.5  | 46.7  | 140.1 |
| 145 | 30.6  | 14.9  | 44.7  |

