

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041323\  
 Data File : VD075656.D  
 Acq On : 13 Apr 2023 12:18  
 Operator : KP/SY  
 Sample : VSTDICC100  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC100

Quant Time: Apr 13 14:08:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 14:07:05 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                        |        |       |          |          |        |           |
| Internal Standards           |        |       |          |          |        |           |
| 1) Pentafluorobenzene        | 7.875  | 168   | 219383   | 50.000   | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene      | 8.775  | 114   | 379943   | 50.000   | ug/l   | 0.00      |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 362916   | 50.000   | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4   | 13.522 | 152   | 200124   | 50.000   | ug/l   | 0.00      |
| System Monitoring Compounds  |        |       |          |          |        |           |
| 33) 1,2-Dichloroethane-d4    | 8.228  | 65    | 200321   | 96.199   | ug/l   | 0.00      |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 192.400%# |
| 35) Dibromofluoromethane     | 7.805  | 113   | 246131   | 96.314   | ug/l   | 0.00      |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 192.620%# |
| 50) Toluene-d8               | 10.269 | 98    | 1003058  | 98.015   | ug/l   | 0.00      |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 196.040%# |
| 62) 4-Bromofluorobenzene     | 12.575 | 95    | 285932   | 105.119  | ug/l   | 0.00      |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 210.240%# |
| Target Compounds             |        |       |          |          |        | Qvalue    |
| 2) Dichlorodifluoromethane   | 1.928  | 85    | 194749   | 95.538   | ug/l   | 97        |
| 3) Chloromethane             | 2.146  | 50    | 334363   | 90.841   | ug/l   | 99        |
| 4) Vinyl Chloride            | 2.281  | 62    | 445577   | 91.227   | ug/l   | 100       |
| 5) Bromomethane              | 2.676  | 94    | 358124   | 93.908   | ug/l   | 97        |
| 6) Chloroethane              | 2.828  | 64    | 305078   | 92.771   | ug/l   | 95        |
| 7) Trichlorofluoromethane    | 3.170  | 101   | 349121   | 92.251   | ug/l   | 99        |
| 8) Diethyl Ether             | 3.587  | 74    | 121119   | 102.829  | ug/l   | 64        |
| 9) 1,1,2-Trichlorotrifluo... | 3.958  | 101   | 223380   | 94.127   | ug/l   | 95        |
| 10) Methyl Iodide            | 4.158  | 142   | 347691   | 107.051  | ug/l   | 90        |
| 11) Tert butyl alcohol       | 5.046  | 59    | 50622    | 484.386  | ug/l # | 100       |
| 12) 1,1-Dichloroethene       | 3.934  | 96    | 238778   | 97.174   | ug/l   | 86        |
| 13) Acrolein                 | 3.793  | 56    | 105584   | 500.868  | ug/l   | 97        |
| 14) Allyl chloride           | 4.552  | 41    | 221255   | 98.869   | ug/l # | 80        |
| 15) Acrylonitrile            | 5.252  | 53    | 219585   | 499.129  | ug/l   | 97        |
| 16) Acetone                  | 4.017  | 43    | 191542   | 502.090  | ug/l # | 81        |
| 17) Carbon Disulfide         | 4.270  | 76    | 753780   | 93.741   | ug/l   | 98        |
| 18) Methyl Acetate           | 4.558  | 43    | 126795   | 98.561   | ug/l # | 69        |
| 19) Methyl tert-butyl Ether  | 5.317  | 73    | 504481   | 105.789  | ug/l   | 94        |
| 20) Methylene Chloride       | 4.799  | 84    | 286432   | 101.849  | ug/l # | 72        |
| 21) trans-1,2-Dichloroethene | 5.311  | 96    | 287334   | 98.183   | ug/l # | 73        |
| 22) Diisopropyl ether        | 6.211  | 45    | 514258   | 101.696  | ug/l # | 88        |
| 23) Vinyl Acetate            | 6.152  | 43    | 1299972  | 553.466  | ug/l # | 82        |
| 24) 1,1-Dichloroethane       | 6.111  | 63    | 403440   | 96.282   | ug/l   | 96        |
| 25) 2-Butanone               | 7.081  | 43    | 248985   | 506.904  | ug/l # | 64        |
| 26) 2,2-Dichloropropane      | 7.075  | 77    | 353652   | 93.095   | ug/l   | 90        |
| 27) cis-1,2-Dichloroethene   | 7.081  | 96    | 328000   | 101.177  | ug/l   | 79        |
| 28) Bromochloromethane       | 7.422  | 49    | 125096   | 94.445   | ug/l # | 39        |
| 29) Tetrahydrofuran          | 7.440  | 42    | 143568   | 534.485  | ug/l # | 53        |
| 30) Chloroform               | 7.593  | 83    | 460634   | 96.971   | ug/l   | 96        |
| 31) Cyclohexane              | 7.875  | 56    | 303185   | 92.782   | ug/l # | 78        |
| 32) 1,1,1-Trichloroethane    | 7.793  | 97    | 372621   | 96.201   | ug/l   | 95        |
| 36) 1,1-Dichloropropene      | 8.011  | 75    | 331760   | 94.102   | ug/l   | 92        |
| 37) Ethyl Acetate            | 7.169  | 43    | 103246   | 96.231   | ug/l # | 79        |
| 38) Carbon Tetrachloride     | 7.993  | 117   | 302144   | 97.322   | ug/l   | 98        |
| 39) Methylcyclohexane        | 9.275  | 83    | 430742   | 105.659  | ug/l # | 88        |
| 40) Benzene                  | 8.246  | 78    | 1067894  | 97.438   | ug/l   | 99        |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC100

Quant Time: Apr 13 14:08:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 14:07:05 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 56082    | 108.926  | ug/l # | 64       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 237824   | 95.535   | ug/l   | 90       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 195777   | 100.068  | ug/l # | 79       |
| 44) Trichloroethene           | 9.028  | 130  | 300643   | 96.927   | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 234545   | 95.498   | ug/l   | 93       |
| 46) Dibromomethane            | 9.393  | 93   | 153323   | 98.404   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.587  | 83   | 349534   | 98.071   | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.381  | 41   | 87165    | 100.001  | ug/l # | 53       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 32012    | 2070.825 | ug/l # | 73       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 515762   | 494.437  | ug/l # | 76       |
| 52) Toluene                   | 10.334 | 92   | 702326   | 96.371   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 336475   | 98.484   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 406007   | 100.017  | ug/l # | 75       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 212687   | 94.277   | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 230799   | 103.956  | ug/l # | 65       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 328402   | 95.886   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 516309   | 541.496  | ug/l # | 84       |
| 59) 2-Hexanone                | 10.922 | 43   | 379136   | 516.926  | ug/l   | 71       |
| 60) Dibromochloromethane      | 11.075 | 129  | 257300   | 97.468   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 204933   | 95.227   | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.810 | 164  | 246443   | 94.290   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.610 | 112  | 769663   | 99.014   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 265455   | 99.336   | ug/l   | 94       |
| 67) Ethyl Benzene             | 11.687 | 91   | 1298946  | 102.965  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.793 | 106  | 1080222  | 208.937  | ug/l   | 89       |
| 69) o-Xylene                  | 12.122 | 106  | 514161   | 109.982  | ug/l   | 89       |
| 70) Styrene                   | 12.140 | 104  | 876939   | 101.653  | ug/l # | 93       |
| 71) Bromoform                 | 12.299 | 173  | 149974   | 107.360  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.422 | 105  | 1243670  | 94.690   | ug/l   | 97       |
| 74) N-amyl acetate            | 12.234 | 43   | 183592   | 95.125   | ug/l # | 73       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 224522   | 88.000   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 261325   | 186.894  | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 318243   | 93.987   | ug/l   | 85       |
| 78) n-propylbenzene           | 12.763 | 91   | 1468022  | 91.185   | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 904003   | 99.001   | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 1114739  | 101.809  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 69382    | 92.144   | ug/l # | 71       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 908381   | 95.672   | ug/l   | 92       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 933371   | 101.099  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 1092684  | 99.453   | ug/l   | 94       |
| 85) sec-Butylbenzene          | 13.346 | 105  | 1385697  | 97.292   | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 1210324  | 102.077  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 693524   | 98.453   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 667392   | 95.901   | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.787 | 91   | 1087389  | 99.560   | ug/l   | 97       |
| 90) Hexachloroethane          | 14.057 | 117  | 217604   | 92.369   | ug/l   | 85       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 611491   | 101.337  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 30355    | 88.750   | ug/l   | 72       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 326997   | 93.146   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.210 | 225  | 146850   | 87.519   | ug/l   | 96       |
| 95) Naphthalene               | 15.334 | 128  | 655892   | 98.619   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 285958   | 92.546   | ug/l   | 98       |

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Sample : VSTDICC100  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

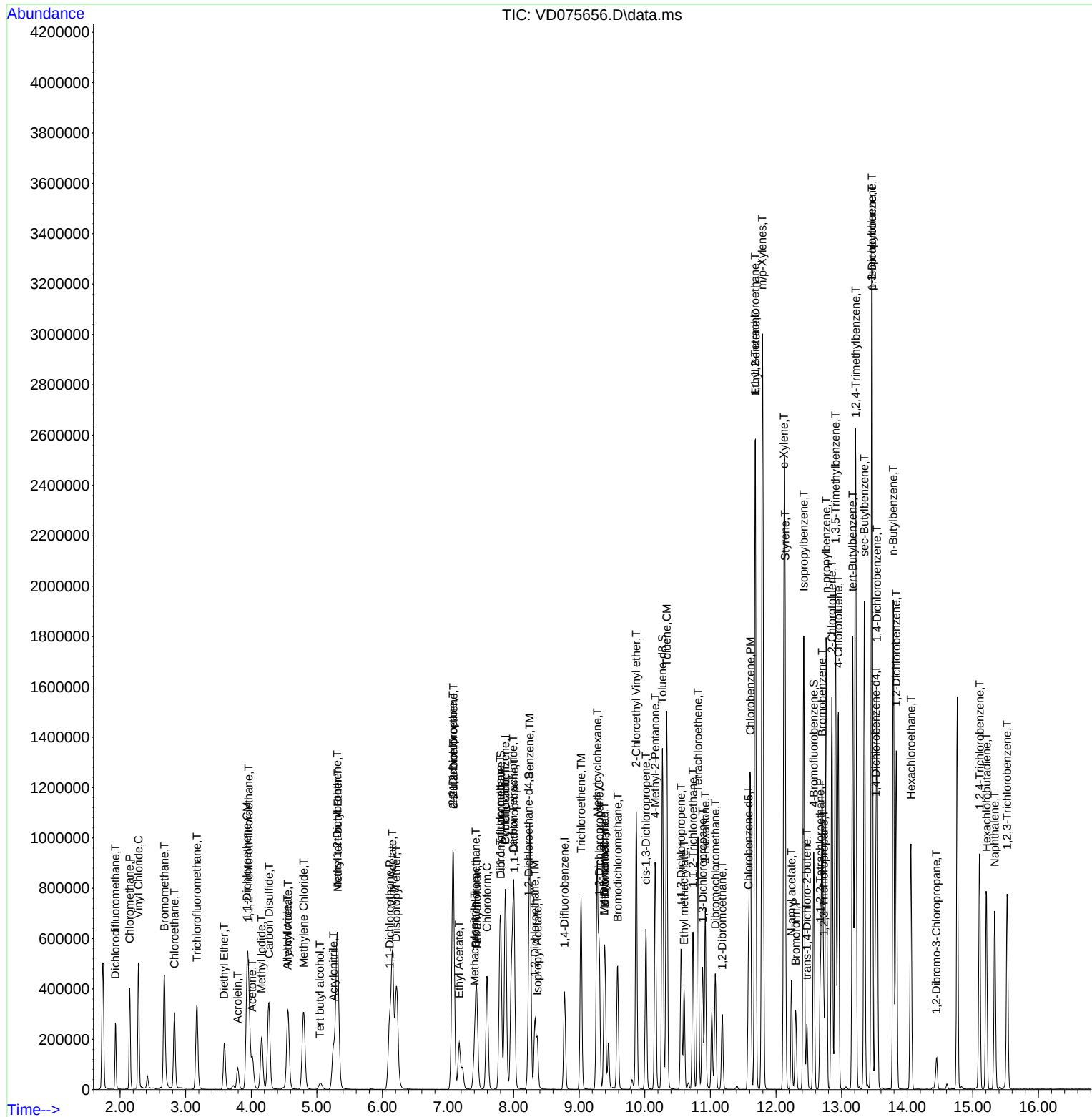
Quant Time: Apr 13 14:08:35 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 13 14:07:05 2023  
Response via : Initial Calibration

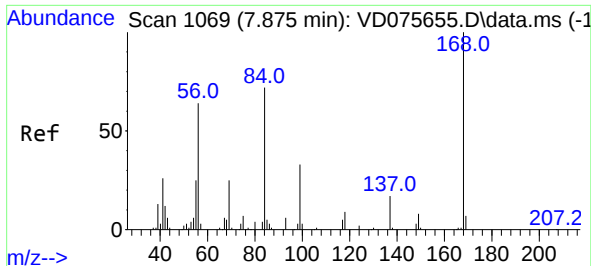
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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MSVOA\_D  
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Response via : Initial Calibration

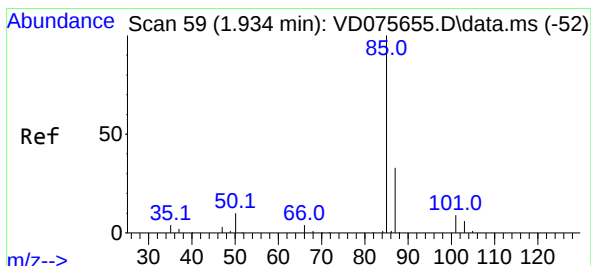
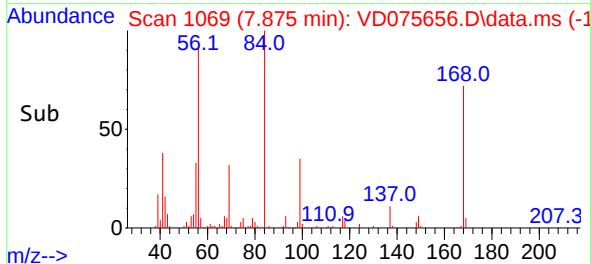
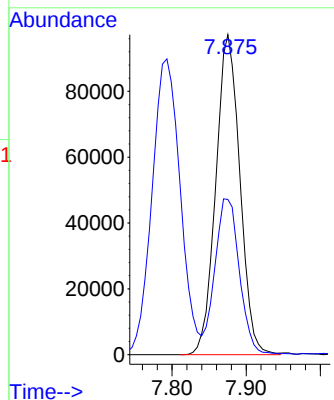
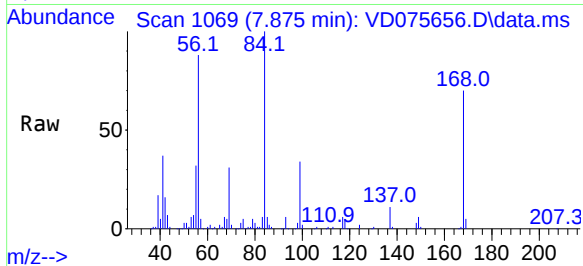




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

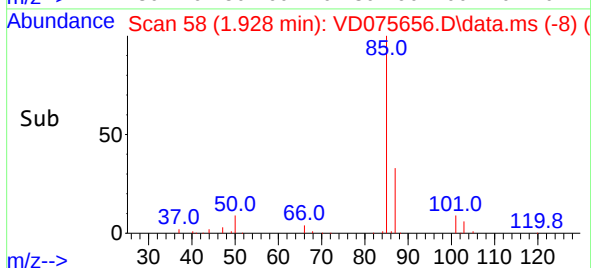
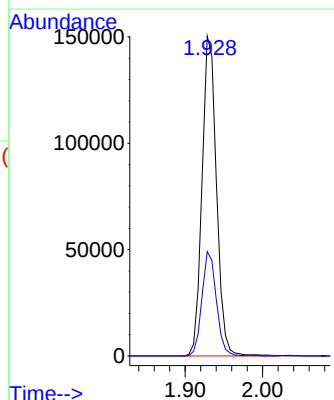
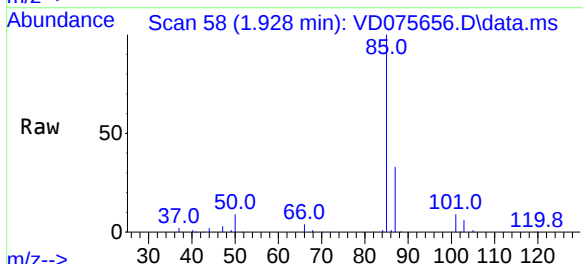
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tgt Ion:168 Resp: 219383  
Ion Ratio Lower Upper  
168 100  
99 48.2 43.8 65.6

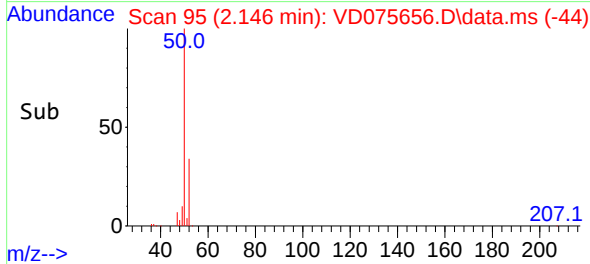
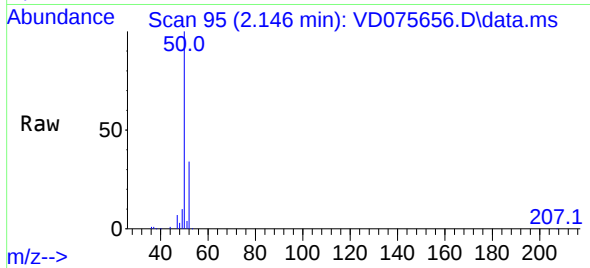
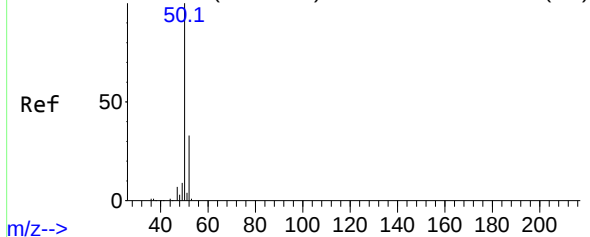


#2  
Dichlorodifluoromethane  
Concen: 95.538 ug/l  
RT: 1.928 min Scan# 58  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 85 Resp: 194749  
Ion Ratio Lower Upper  
85 100  
87 32.6 17.3 51.7



Abundance Scan 95 (2.146 min): VD075655.D\data.ms (-89)



#3

Chloromethane

Concen: 90.841 ug/l

RT: 2.146 min Scan# 95

Delta R.T. 0.000 min

Lab File: VD075656.D

Acq: 13 Apr 2023 12:18

Instrument :

MSVOA\_D

ClientSampleId :

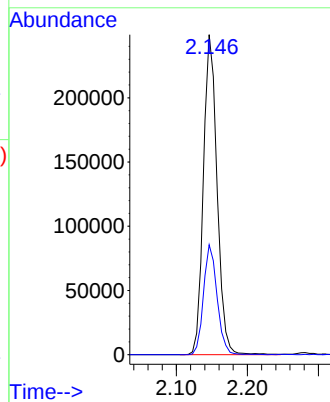
VSTDIC100

Tgt Ion: 50 Resp: 334363

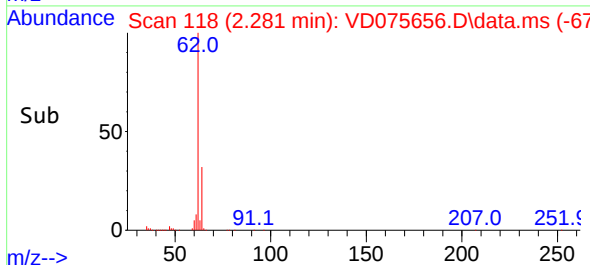
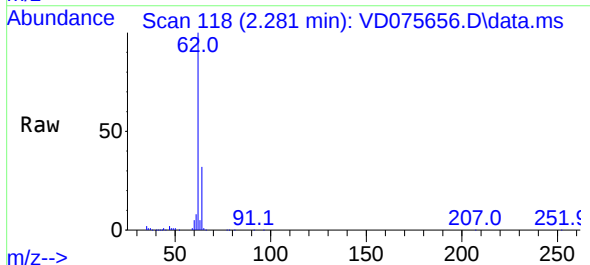
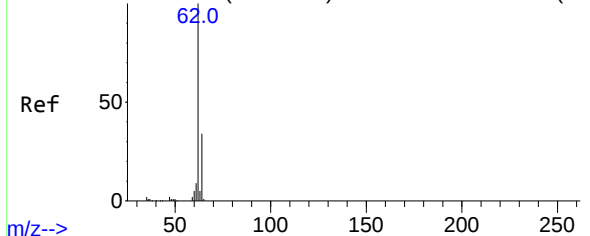
Ion Ratio Lower Upper

50 100

52 34.3 27.8 41.8



Abundance Scan 118 (2.281 min): VD075655.D\data.ms (-11)



#4

Vinyl Chloride

Concen: 91.227 ug/l

RT: 2.281 min Scan# 118

Delta R.T. 0.000 min

Lab File: VD075656.D

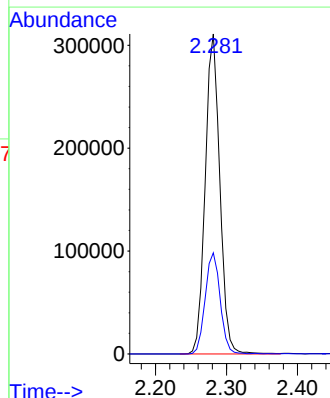
Acq: 13 Apr 2023 12:18

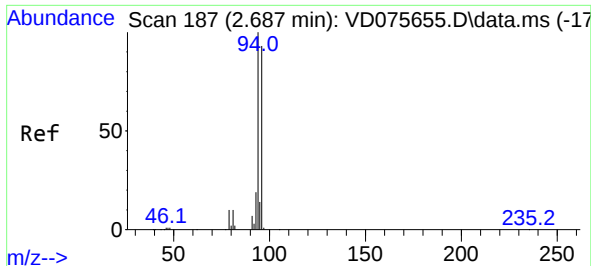
Tgt Ion: 62 Resp: 445577

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0

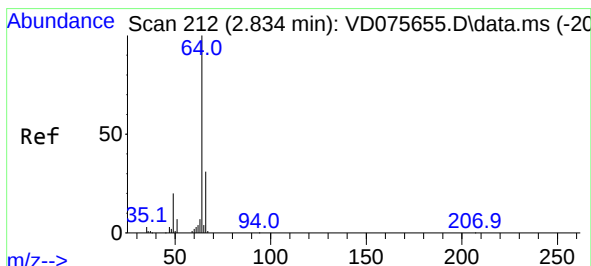
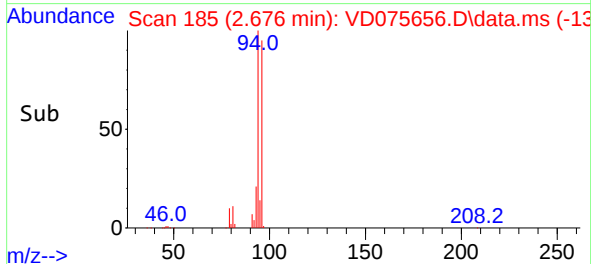
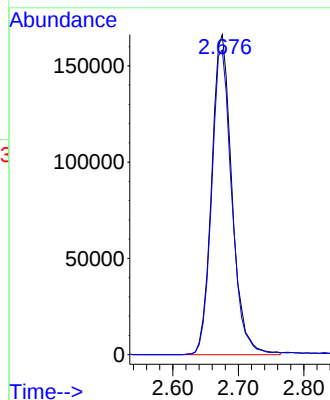
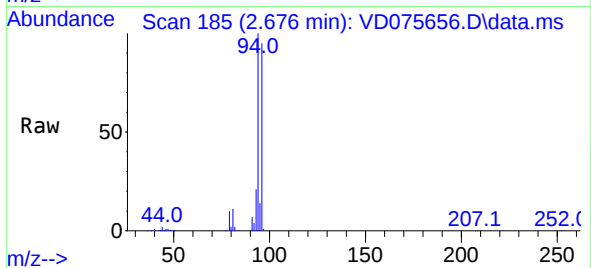




#5  
Bromomethane  
Concen: 93.908 ug/l  
RT: 2.676 min Scan# 185  
Delta R.T. -0.011 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

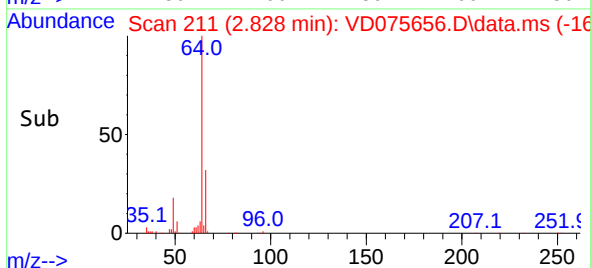
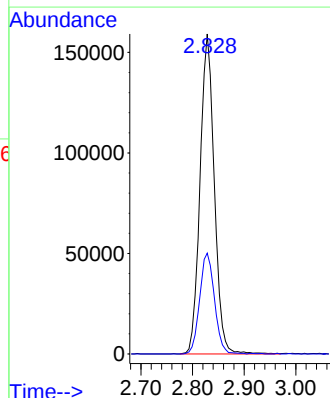
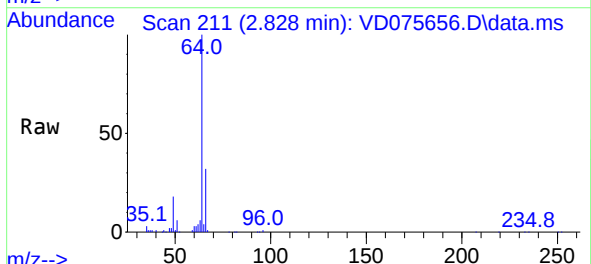
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

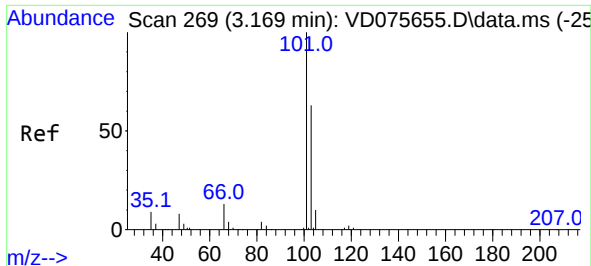
Tgt Ion: 94 Resp: 358124  
Ion Ratio Lower Upper  
94 100  
96 94.4 77.5 116.3



#6  
Chloroethane  
Concen: 92.771 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 64 Resp: 305078  
Ion Ratio Lower Upper  
64 100  
66 31.5 27.7 41.5

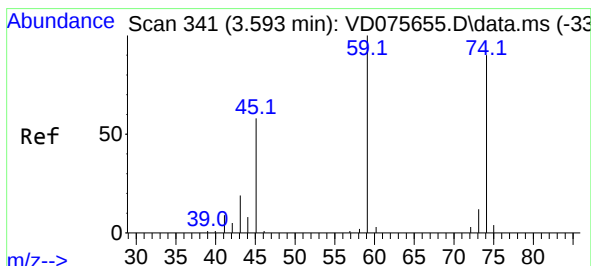
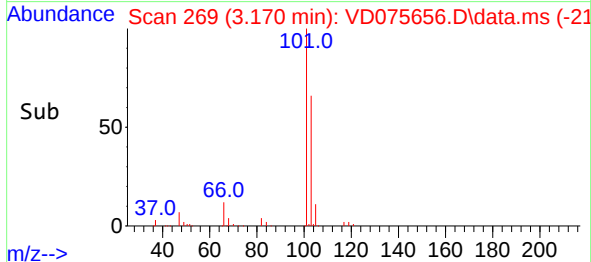
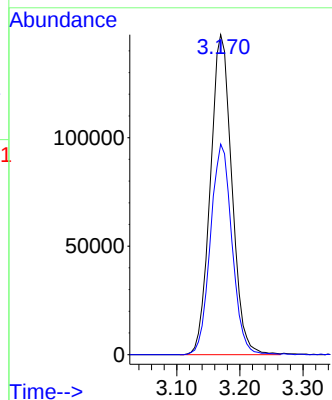
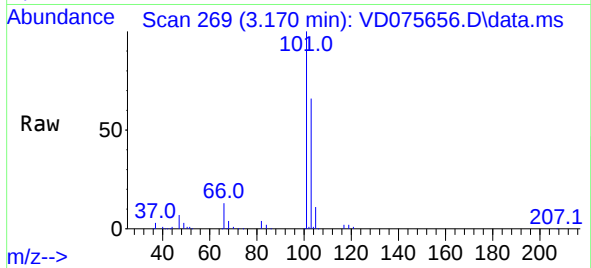




#7  
Trichlorofluoromethane  
Concen: 92.251 ug/l  
RT: 3.170 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

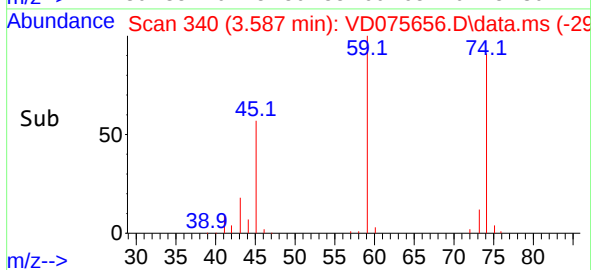
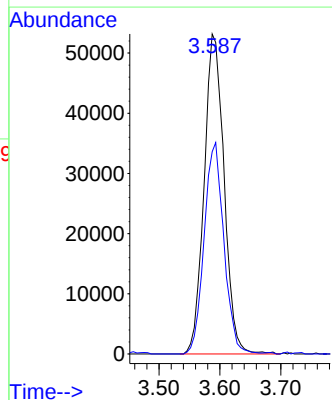
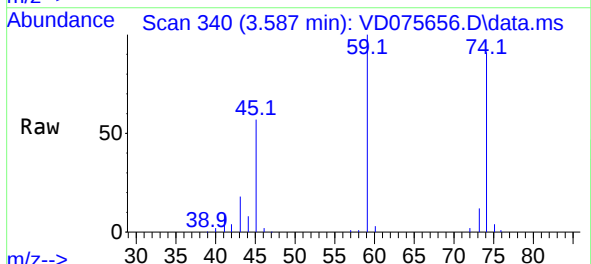
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

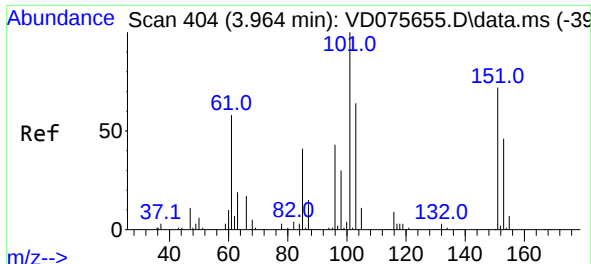
Tgt Ion:101 Resp: 349121  
Ion Ratio Lower Upper  
101 100  
103 65.8 51.9 77.9



#8  
Diethyl Ether  
Concen: 102.829 ug/l  
RT: 3.587 min Scan# 340  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 74 Resp: 121119  
Ion Ratio Lower Upper  
74 100  
45 65.3 50.9 152.7

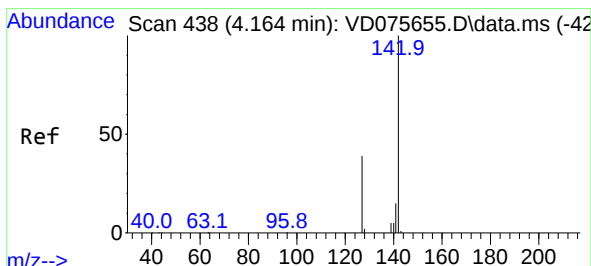
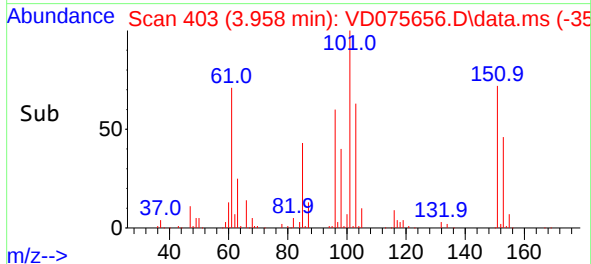
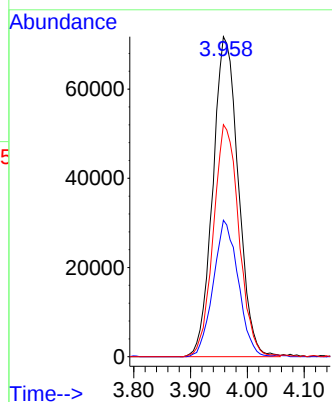
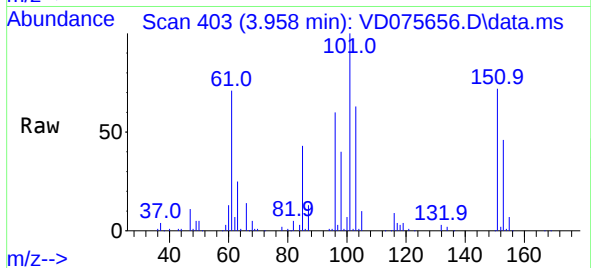




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 94.127 ug/l  
RT: 3.958 min Scan# 403  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

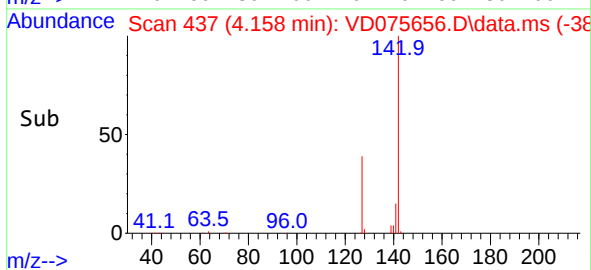
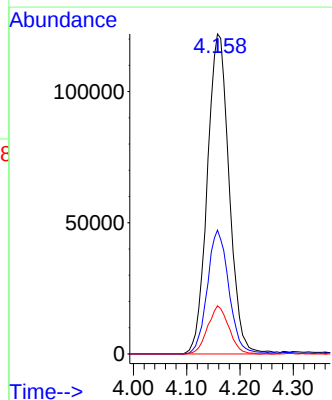
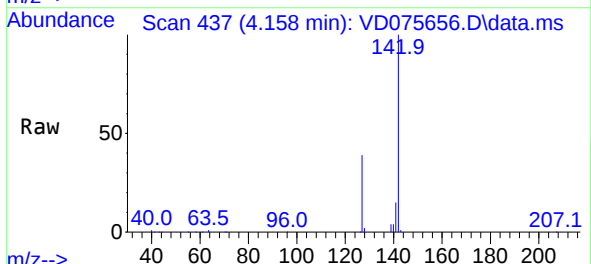
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

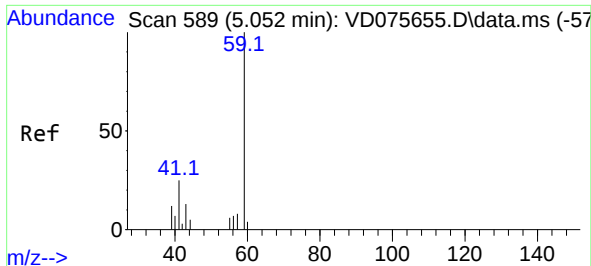
Tgt Ion:101 Resp: 223380  
Ion Ratio Lower Upper  
101 100  
85 41.7 38.3 57.5  
151 73.0 60.4 90.6



#10  
Methyl Iodide  
Concen: 107.051 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:142 Resp: 347691  
Ion Ratio Lower Upper  
142 100  
127 38.3 37.1 55.7  
141 14.6 11.3 16.9

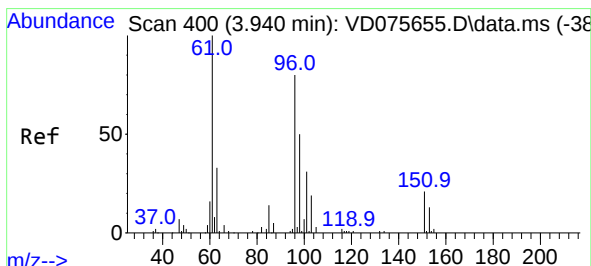
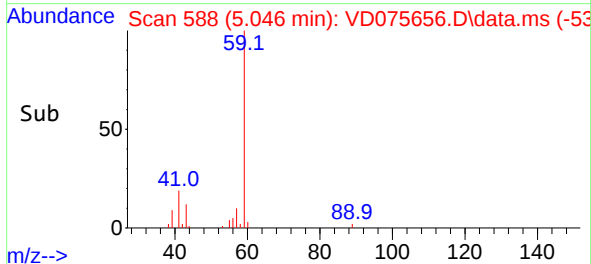
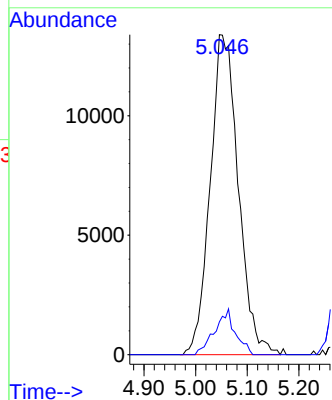
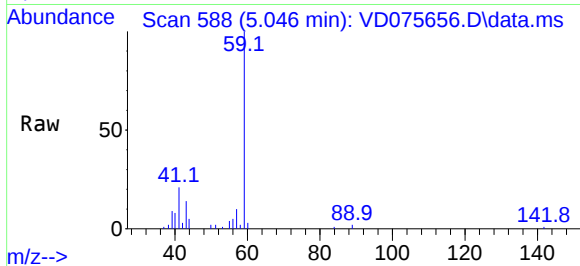




#11  
Tert butyl alcohol  
Concen: 484.386 ug/l  
RT: 5.046 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

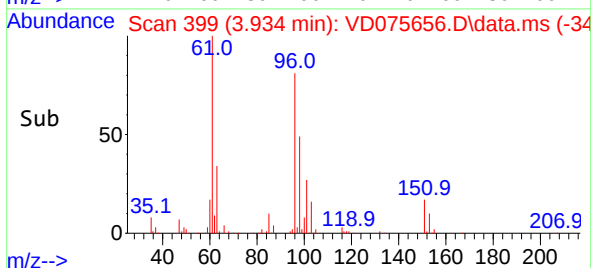
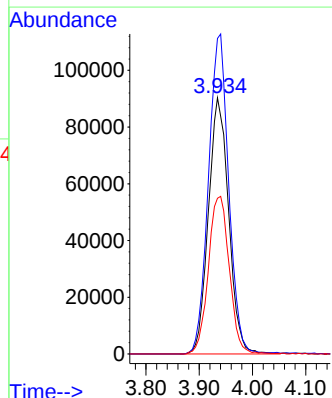
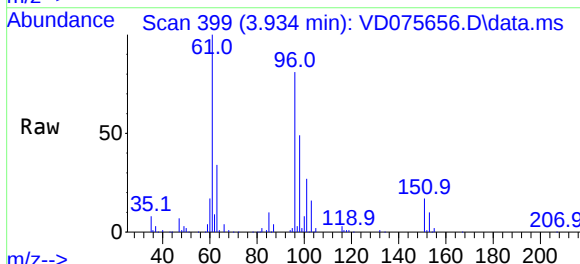
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

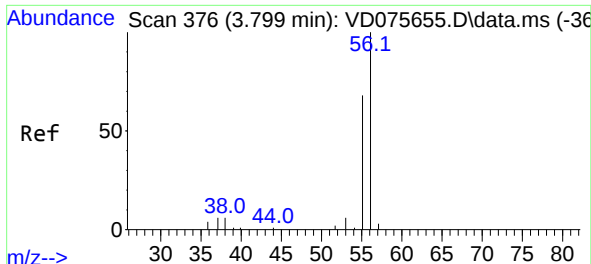
Tgt Ion: 59 Resp: 50622  
Ion Ratio Lower Upper  
59 100  
57 10.4 0.0 0.0#



#12  
1,1-Dichloroethene  
Concen: 97.174 ug/l  
RT: 3.934 min Scan# 399  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 96 Resp: 238778  
Ion Ratio Lower Upper  
96 100  
61 123.2 118.6 177.8  
98 60.8 49.7 74.5

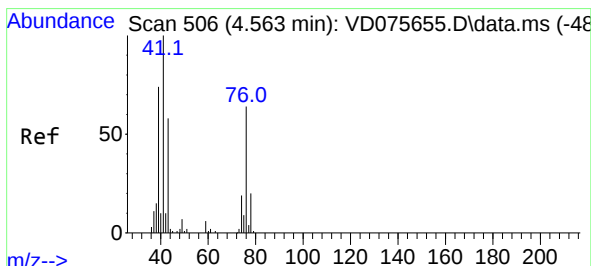
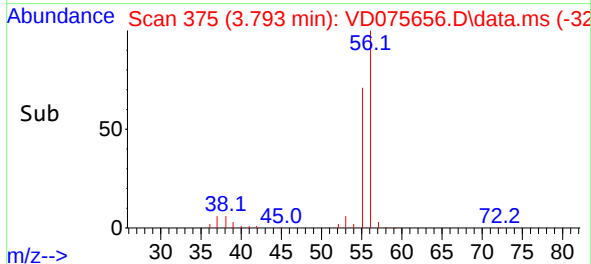
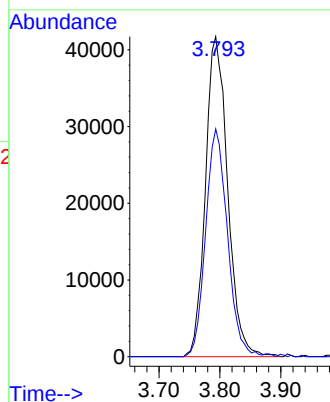
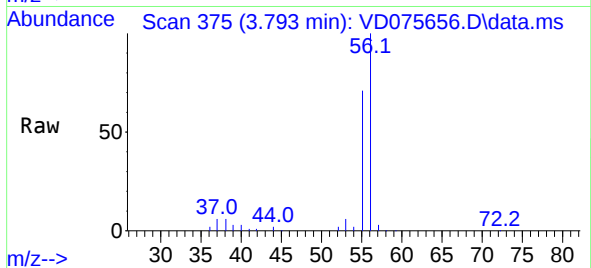




#13  
Acrolein  
Concen: 500.868 ug/l  
RT: 3.793 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

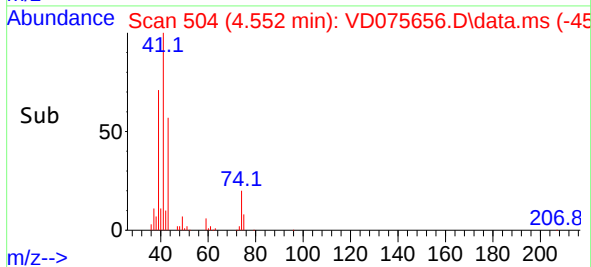
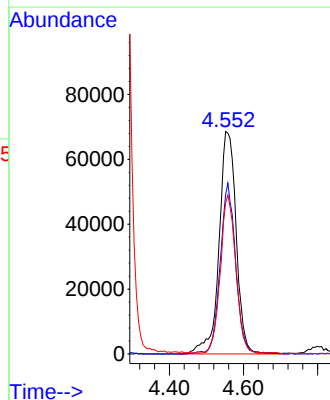
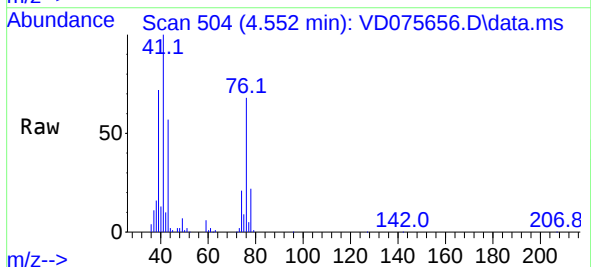
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

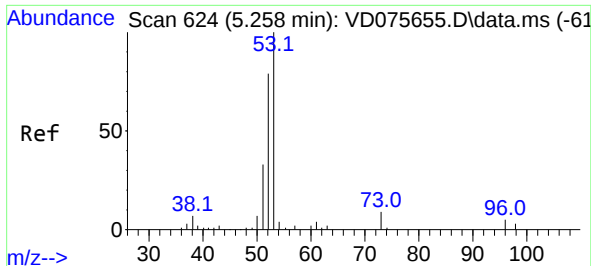
Tgt Ion: 56 Resp: 105584  
Ion Ratio Lower Upper  
56 100  
55 69.9 53.9 80.9



#14  
Allyl chloride  
Concen: 98.869 ug/l  
RT: 4.552 min Scan# 504  
Delta R.T. -0.011 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 41 Resp: 221255  
Ion Ratio Lower Upper  
41 100  
39 68.8 60.6 90.8  
76 63.0 28.6 43.0#

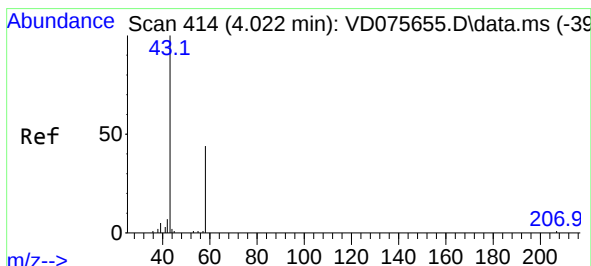
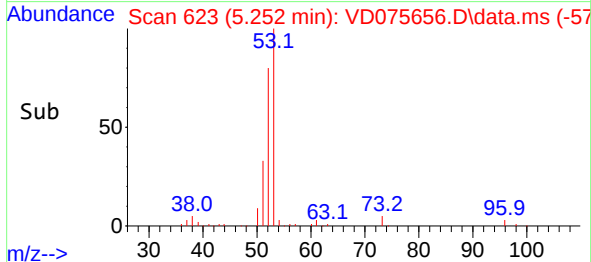
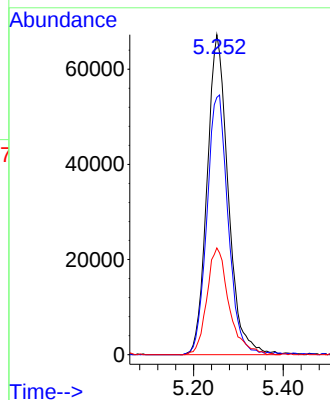
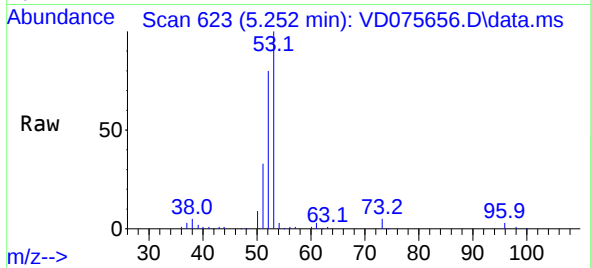




#15  
Acrylonitrile  
Concen: 499.129 ug/l  
RT: 5.252 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

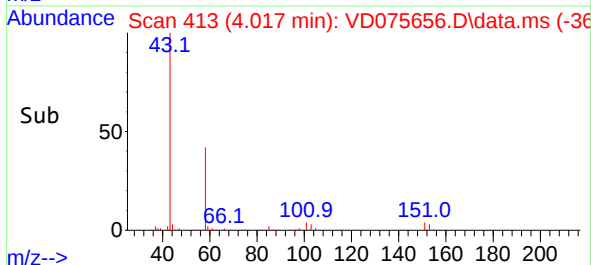
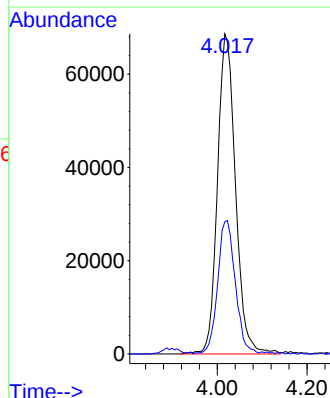
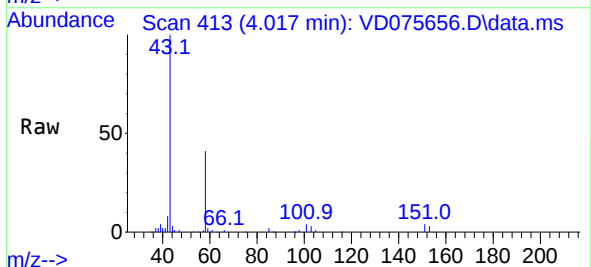
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

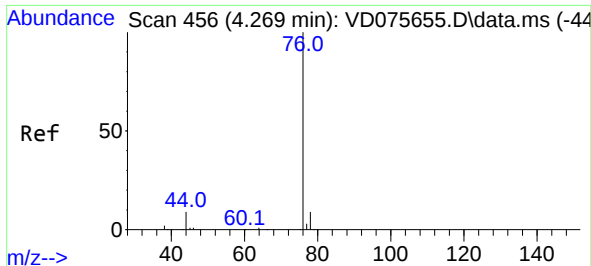
Tgt Ion: 53 Resp: 219585  
Ion Ratio Lower Upper  
53 100  
52 81.6 66.2 99.4  
51 35.1 30.7 46.1



#16  
Acetone  
Concen: 502.090 ug/l  
RT: 4.017 min Scan# 413  
Delta R.T. -0.005 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 43 Resp: 191542  
Ion Ratio Lower Upper  
43 100  
58 41.0 24.4 36.6

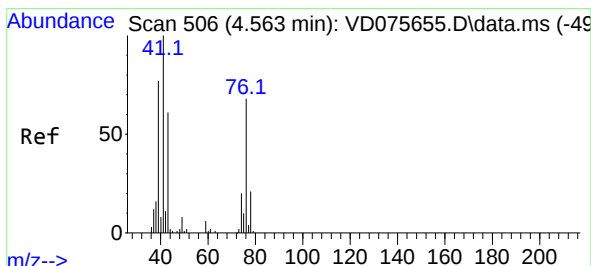
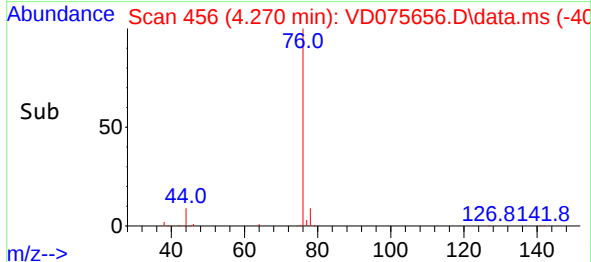
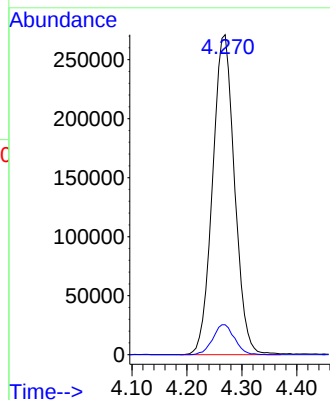
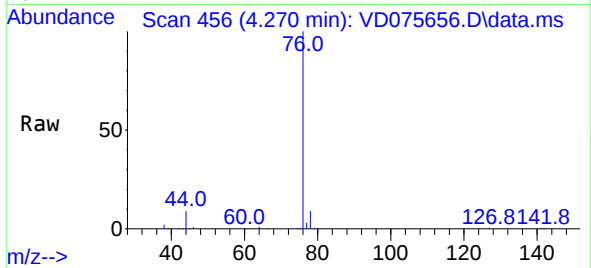




#17  
Carbon Disulfide  
Concen: 93.741 ug/l  
RT: 4.270 min Scan# 411  
Delta R.T. 0.001 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

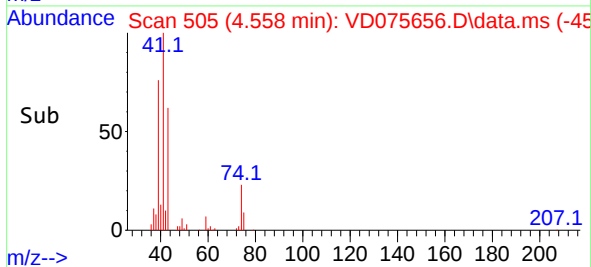
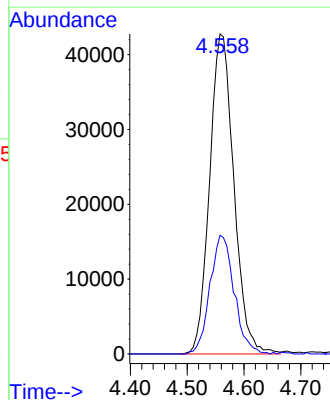
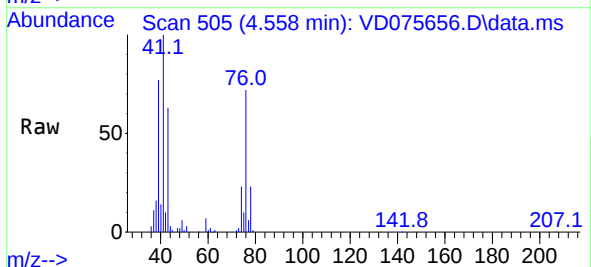
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

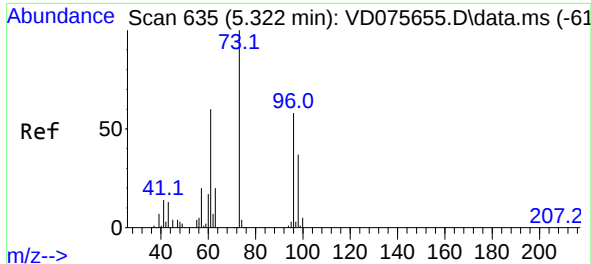
Tgt Ion: 76 Resp: 753780  
Ion Ratio Lower Upper  
76 100  
78 9.4 8.0 12.0



#18  
Methyl Acetate  
Concen: 98.561 ug/l  
RT: 4.558 min Scan# 505  
Delta R.T. -0.005 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 43 Resp: 126795  
Ion Ratio Lower Upper  
43 100  
74 36.9 17.8 26.6#

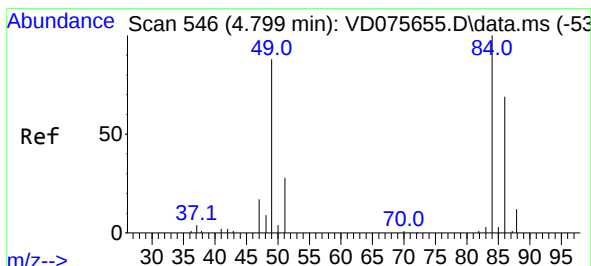
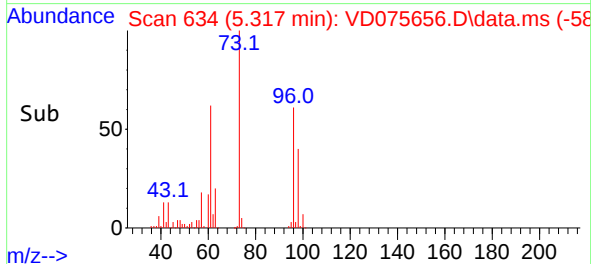
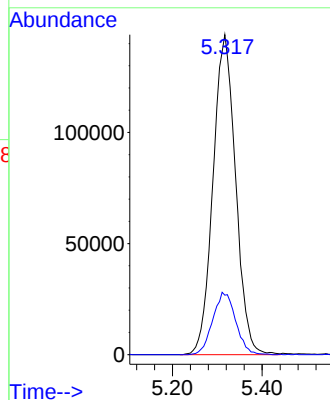
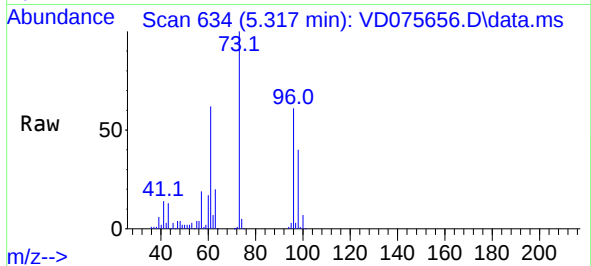




#19  
Methyl tert-butyl Ether  
Concen: 105.789 ug/l  
RT: 5.317 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

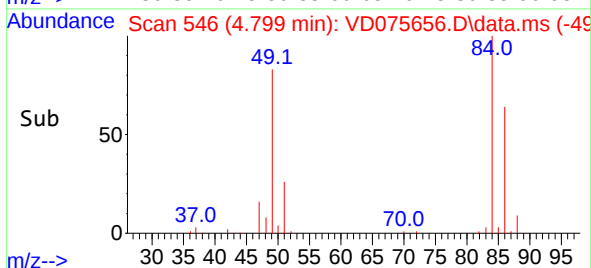
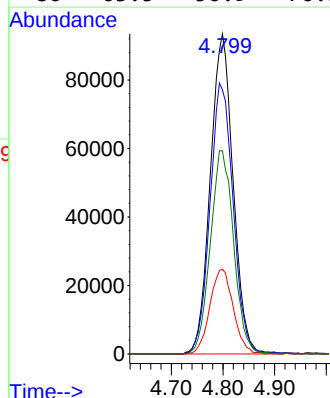
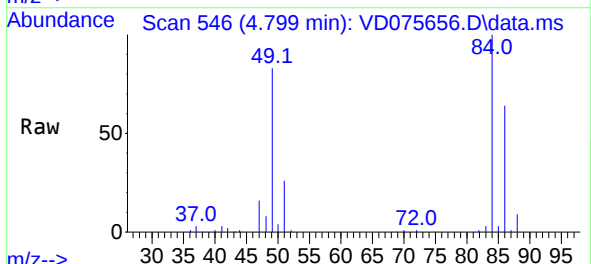
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

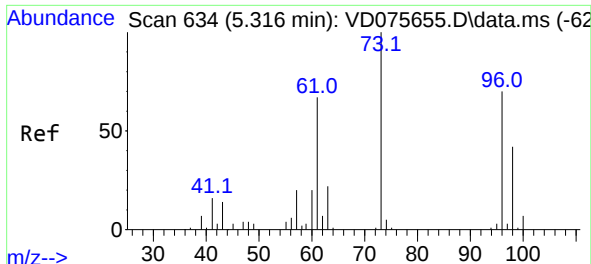
Tgt Ion: 73 Resp: 504481  
Ion Ratio Lower Upper  
73 100  
57 18.6 17.2 25.8



#20  
Methylene Chloride  
Concen: 101.849 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 84 Resp: 286432  
Ion Ratio Lower Upper  
84 100  
49 82.6 106.4 159.6#  
51 26.4 32.4 48.6#  
86 63.5 50.9 76.3

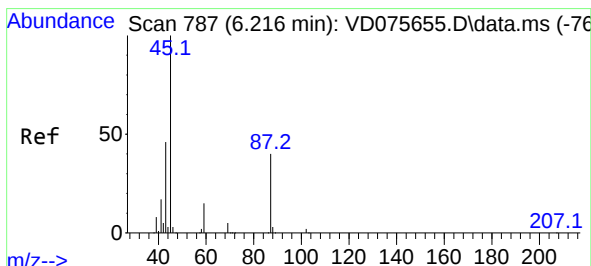
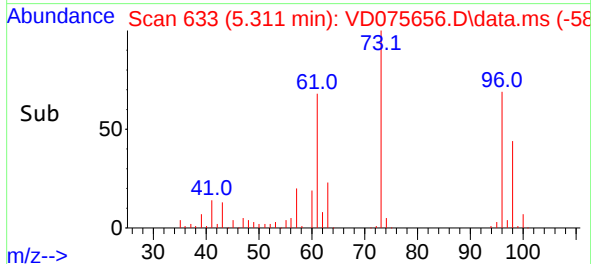
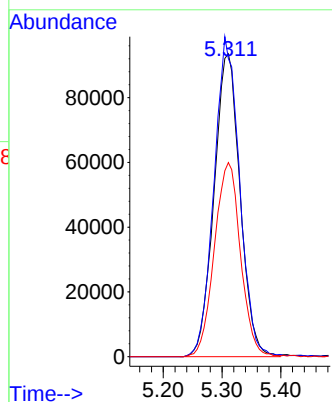
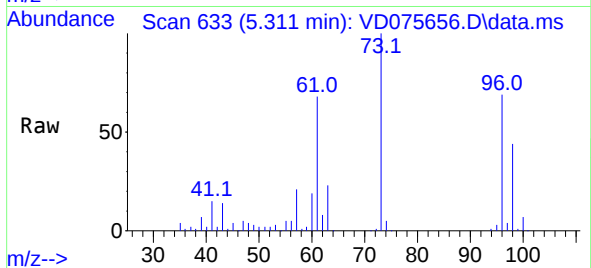




#21  
trans-1,2-Dichloroethene  
Concen: 98.183 ug/l  
RT: 5.311 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

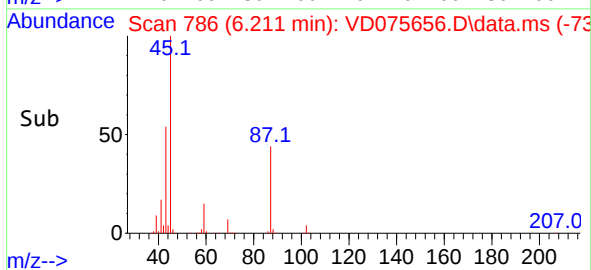
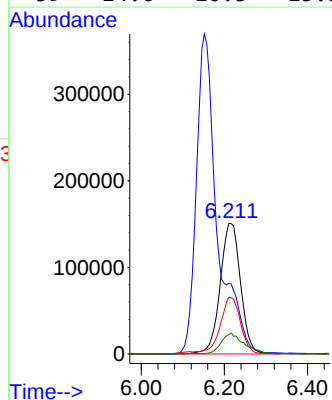
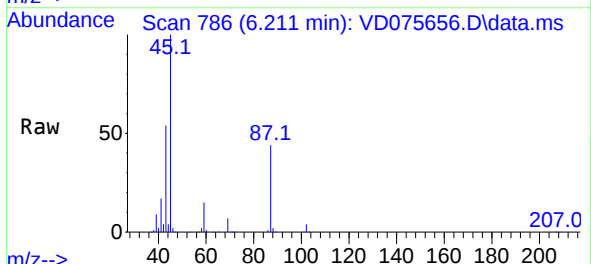
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

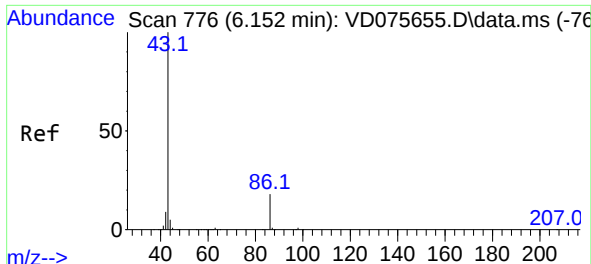
Tgt Ion: 96 Resp: 287334  
Ion Ratio Lower Upper  
96 100  
61 98.4 117.2 175.8#  
98 64.1 50.6 76.0



#22  
Diisopropyl ether  
Concen: 101.696 ug/l  
RT: 6.211 min Scan# 786  
Delta R.T. -0.005 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 45 Resp: 514258  
Ion Ratio Lower Upper  
45 100  
43 53.4 44.4 66.6  
87 43.3 20.9 31.3#  
59 14.6 10.3 15.5

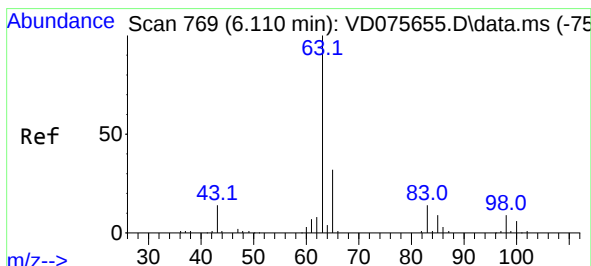
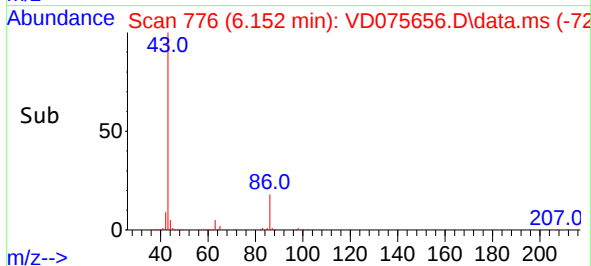
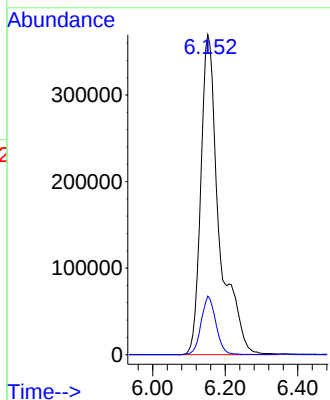
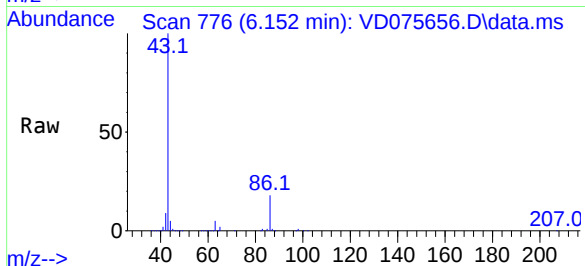




#23  
 Vinyl Acetate  
 Concen: 553.466 ug/l  
 RT: 6.152 min Scan# 776  
 Delta R.T. -0.000 min  
 Lab File: VD075656.D  
 Acq: 13 Apr 2023 12:18

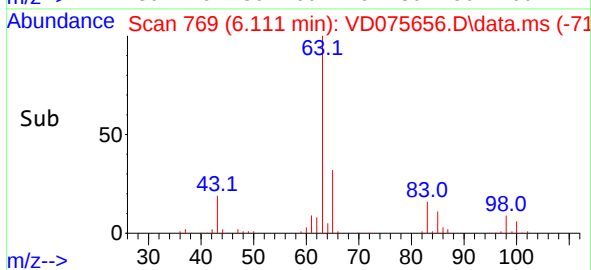
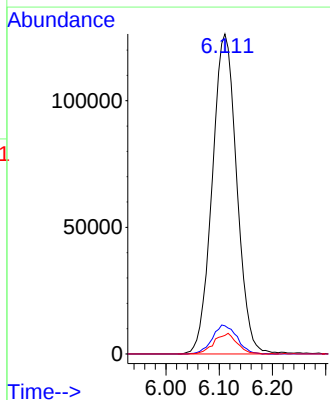
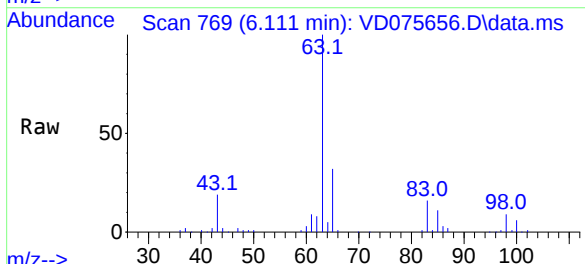
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

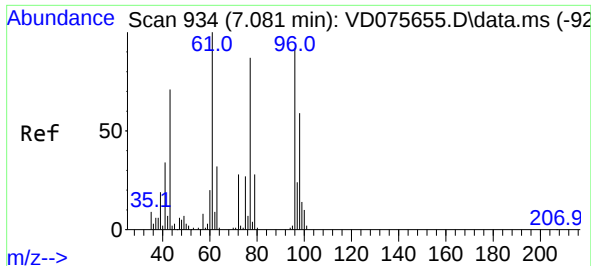
Tgt Ion: 43 Resp: 1299972  
 Ion Ratio Lower Upper  
 43 100  
 86 18.3 9.0 13.6#



#24  
 1,1-Dichloroethane  
 Concen: 96.282 ug/l  
 RT: 6.111 min Scan# 769  
 Delta R.T. 0.001 min  
 Lab File: VD075656.D  
 Acq: 13 Apr 2023 12:18

Tgt Ion: 63 Resp: 403440  
 Ion Ratio Lower Upper  
 63 100  
 98 8.8 3.9 11.7  
 100 5.8 2.0 6.0

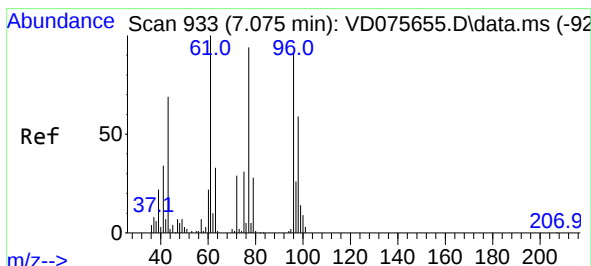
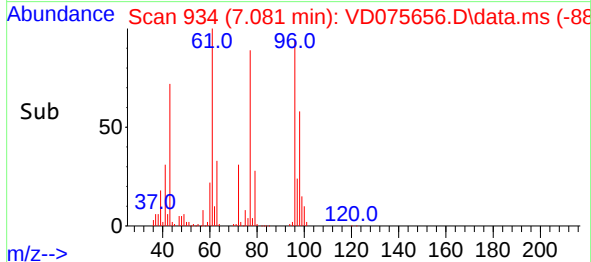
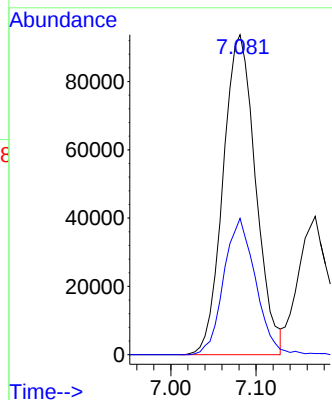
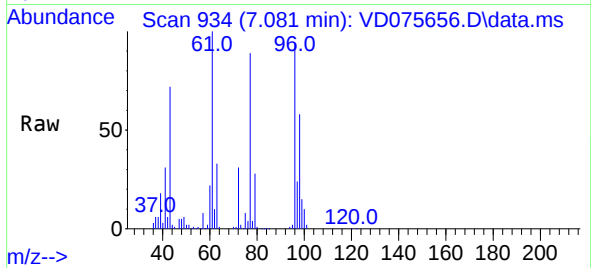




#25  
2-Butanone  
Concen: 506.904 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

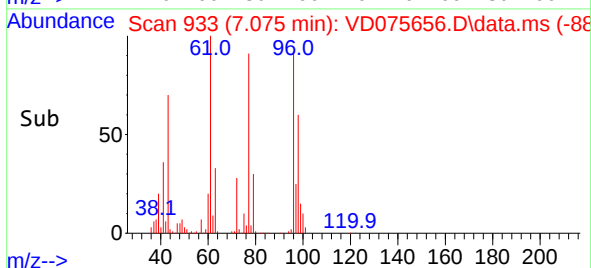
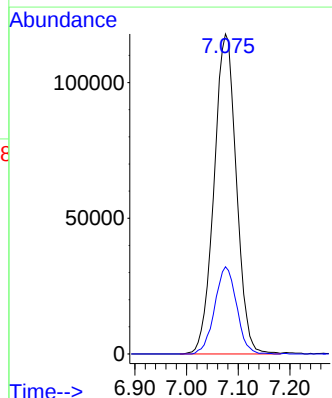
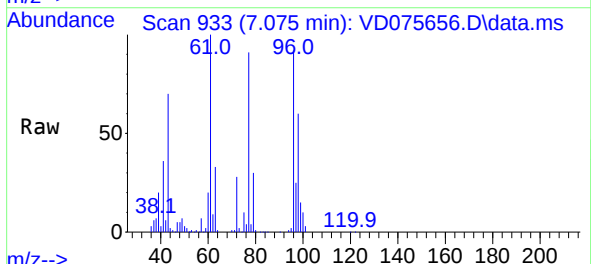
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

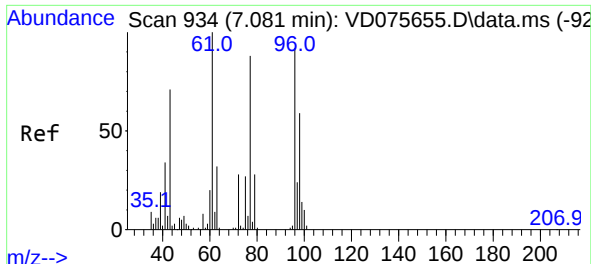
Tgt Ion: 43 Resp: 248985  
Ion Ratio Lower Upper  
43 100  
72 42.6 19.8 29.8#



#26  
2,2-Dichloropropane  
Concen: 93.095 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 77 Resp: 353652  
Ion Ratio Lower Upper  
77 100  
97 26.7 11.1 33.1

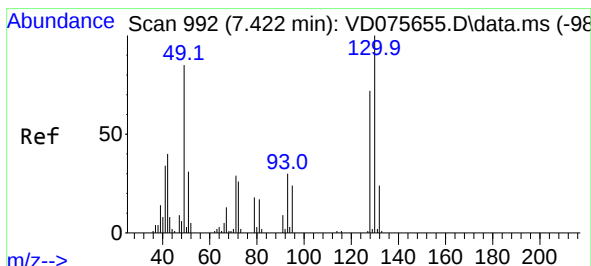
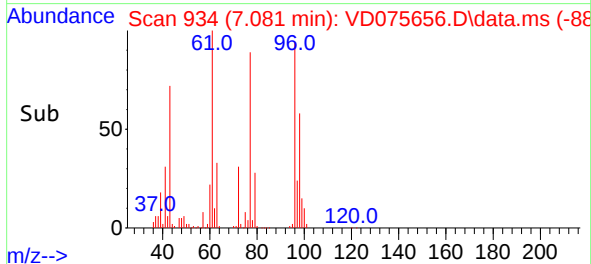
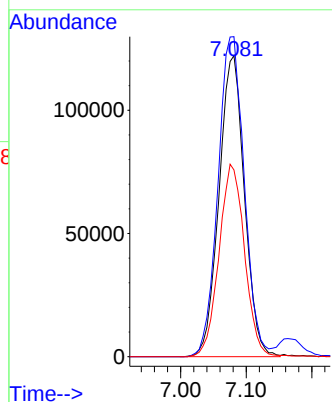
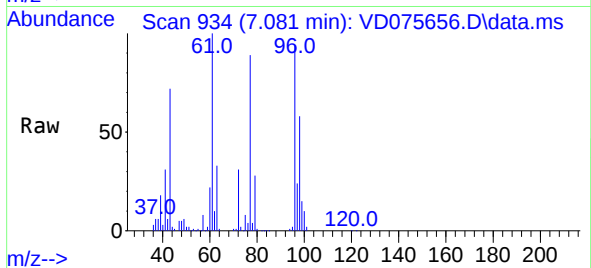




#27  
 cis-1,2-Dichloroethene  
 Concen: 101.177 ug/l  
 RT: 7.081 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VD075656.D  
 Acq: 13 Apr 2023 12:18

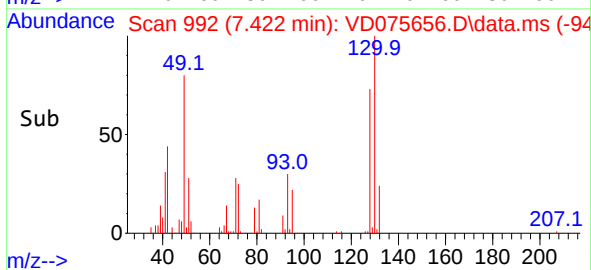
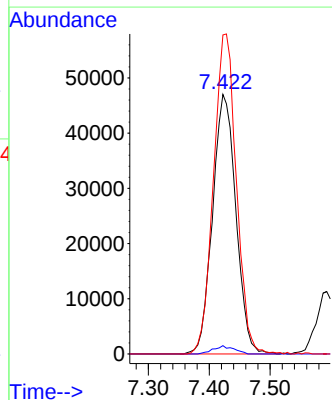
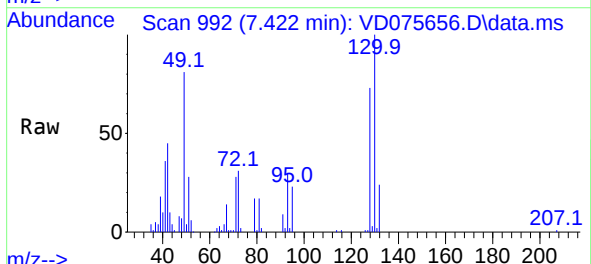
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

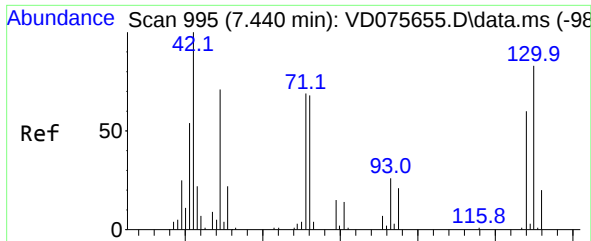
Tgt Ion: 96 Resp: 328000  
 Ion Ratio Lower Upper  
 96 100  
 61 109.8 0.0 295.2  
 98 64.3 0.0 129.2



#28  
 Bromochloromethane  
 Concen: 94.445 ug/l  
 RT: 7.422 min Scan# 992  
 Delta R.T. 0.000 min  
 Lab File: VD075656.D  
 Acq: 13 Apr 2023 12:18

Tgt Ion: 49 Resp: 125096  
 Ion Ratio Lower Upper  
 49 100  
 129 2.8 0.0 2.2#  
 130 121.0 56.0 84.0#

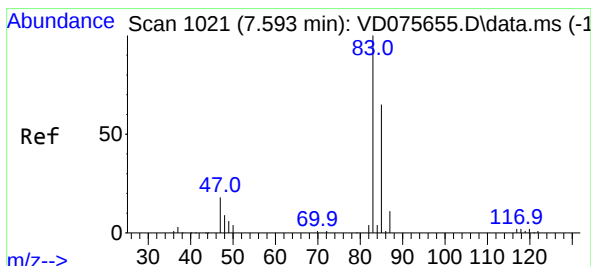
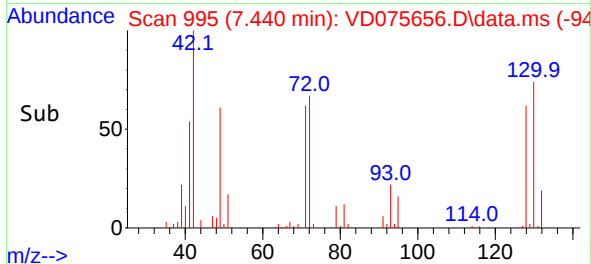
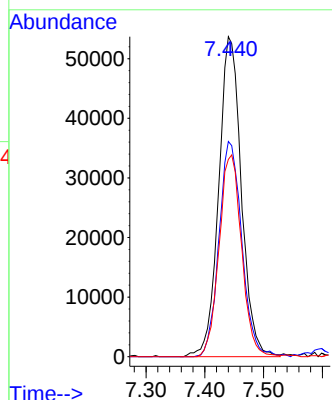
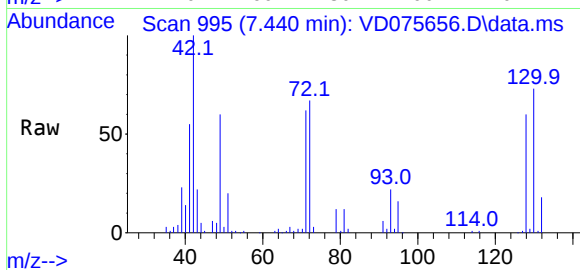




#29  
Tetrahydrofuran  
Concen: 534.485 ug/l  
RT: 7.440 min Scan# 995  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

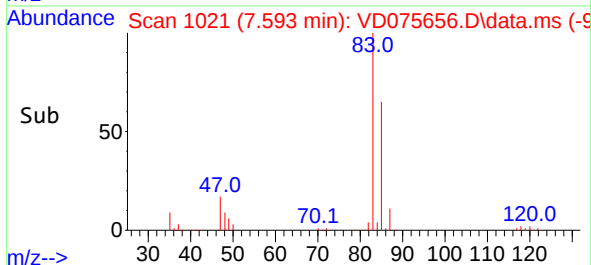
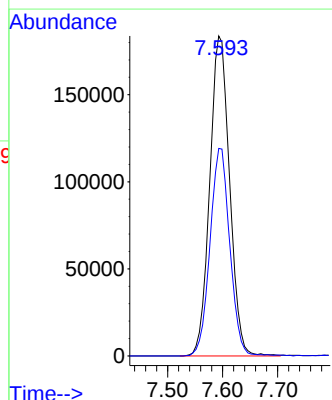
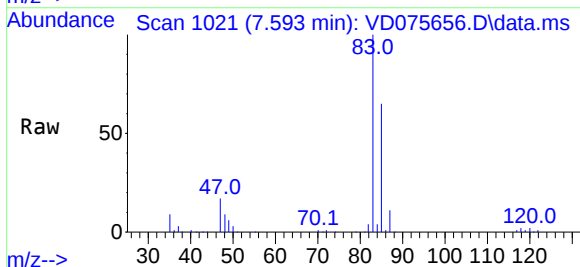
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

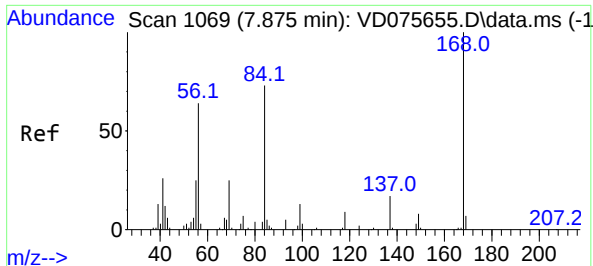
Tgt Ion: 42 Resp: 143568  
Ion Ratio Lower Upper  
42 100  
72 68.0 31.8 47.6#  
71 62.7 27.6 41.4#



#30  
Chloroform  
Concen: 96.971 ug/l  
RT: 7.593 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 83 Resp: 460634  
Ion Ratio Lower Upper  
83 100  
85 64.8 49.4 74.2





#31

Cyclohexane

Concen: 92.782 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD075656.D

Acq: 13 Apr 2023 12:18

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

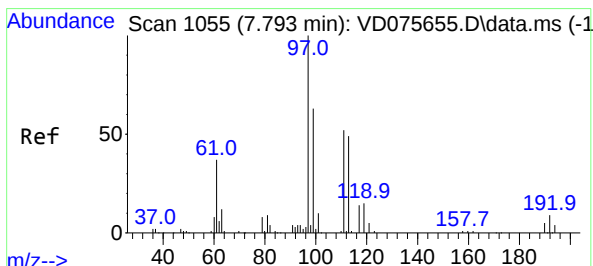
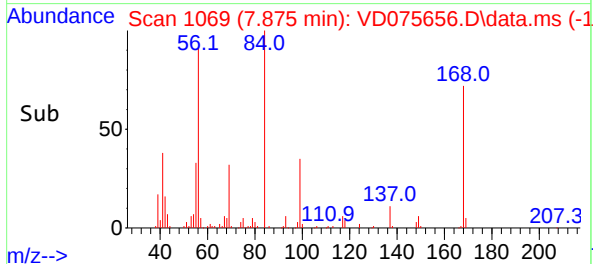
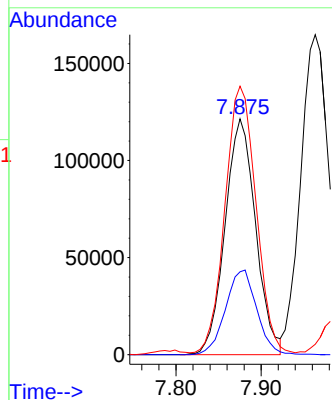
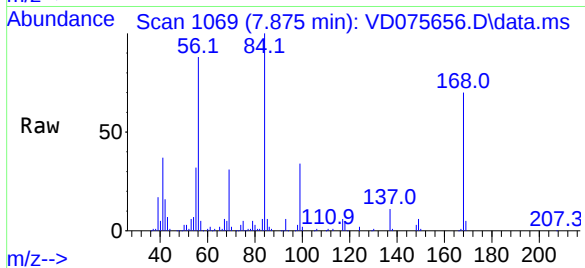
Tgt Ion: 56 Resp: 303185

Ion Ratio Lower Upper

56 100

69 35.1 25.5 38.3

84 112.6 69.6 104.4#



#32

1,1,1-Trichloroethane

Concen: 96.201 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD075656.D

Acq: 13 Apr 2023 12:18

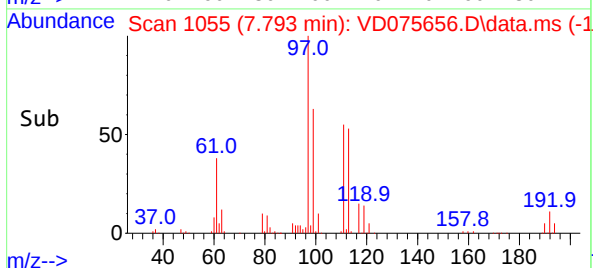
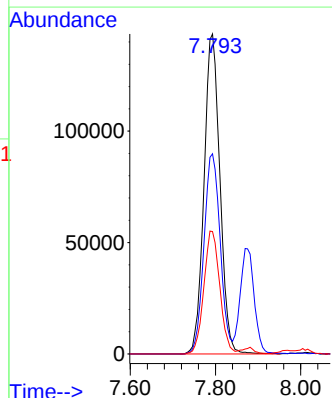
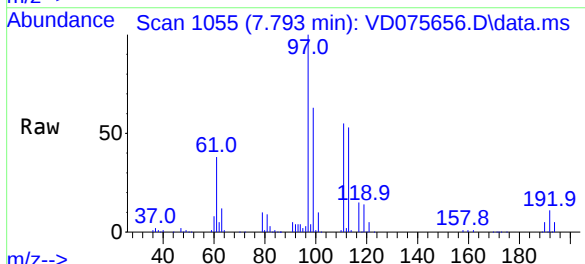
Tgt Ion: 97 Resp: 372621

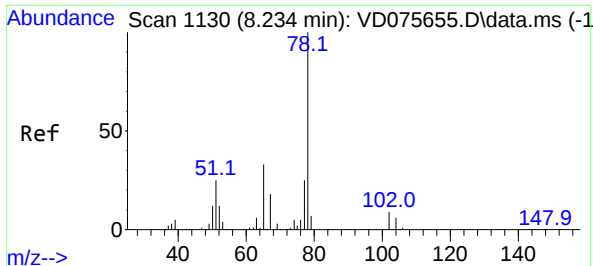
Ion Ratio Lower Upper

97 100

99 64.0 50.5 75.7

61 38.4 36.6 55.0

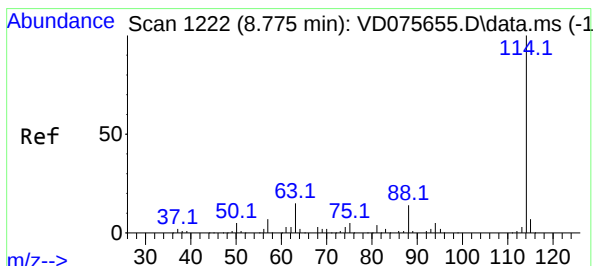
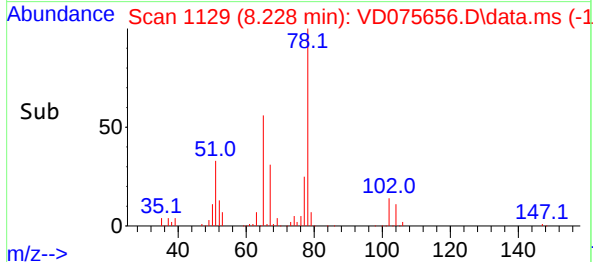
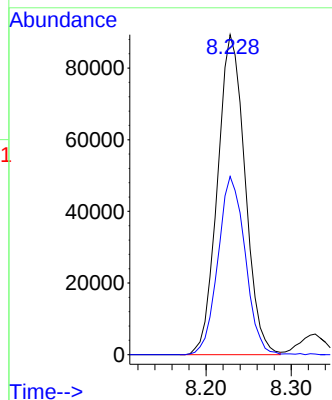
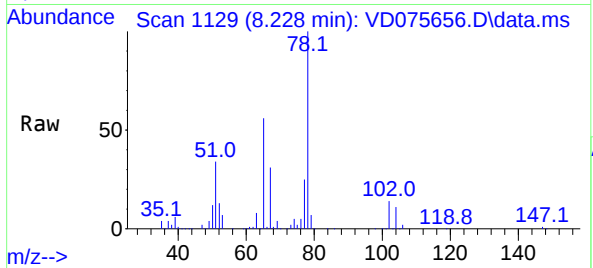




#33  
1,2-Dichloroethane-d4  
Concen: 96.199 ug/l  
RT: 8.228 min Scan# 1130  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

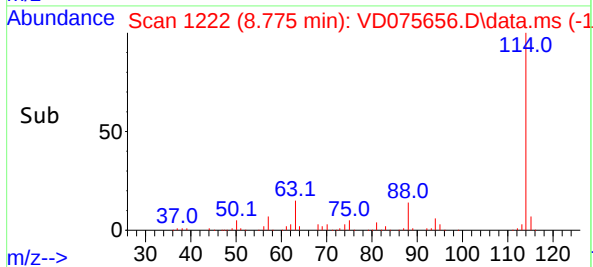
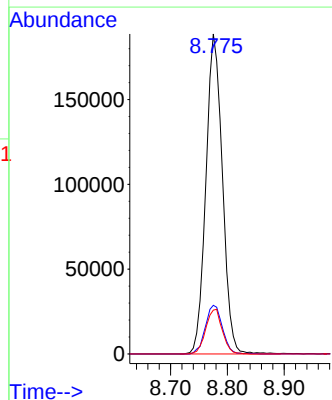
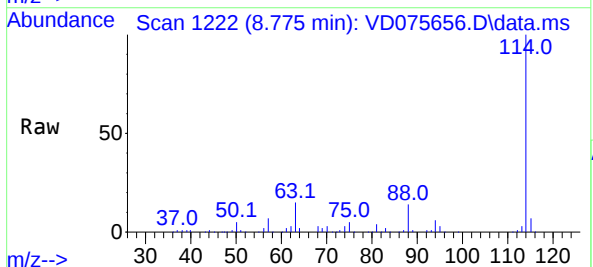
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

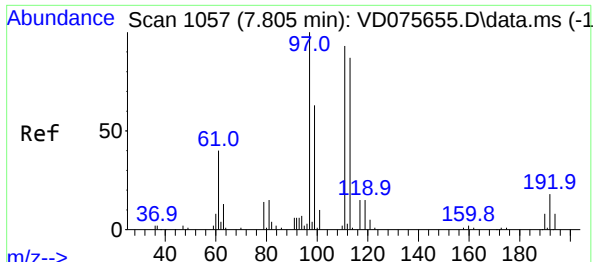
Tgt Ion: 65 Resp: 200321  
Ion Ratio Lower Upper  
65 100  
67 55.0 0.0 102.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:114 Resp: 379943  
Ion Ratio Lower Upper  
114 100  
63 15.2 0.0 41.6  
88 13.7 0.0 30.6

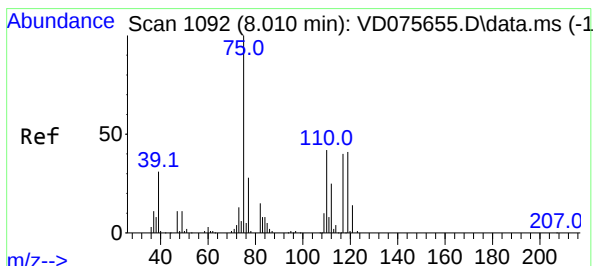
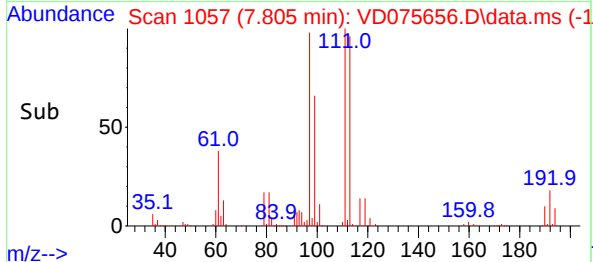
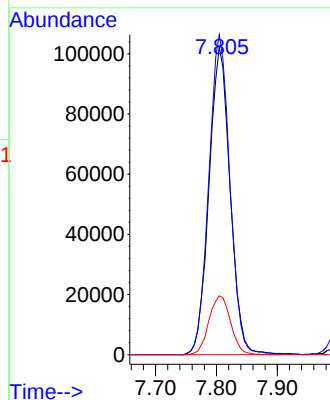
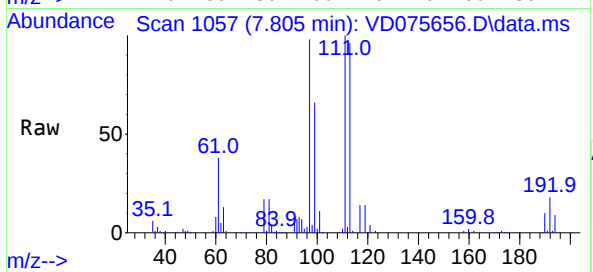




#35  
Dibromofluoromethane  
Concen: 96.314 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

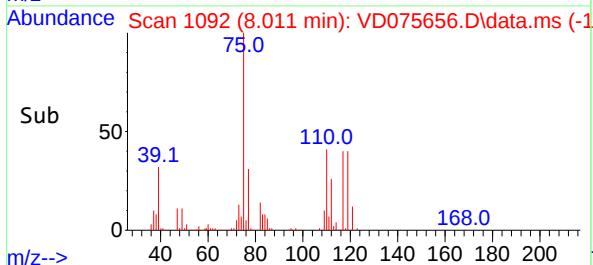
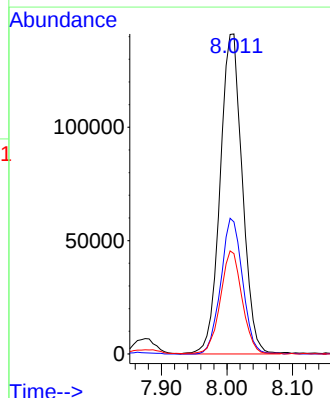
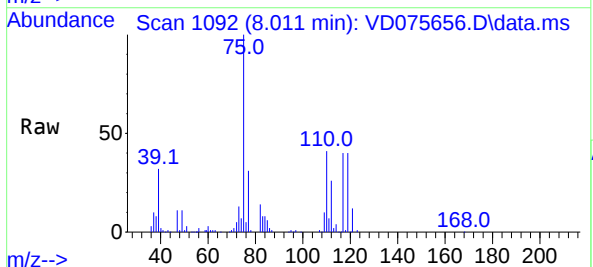
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

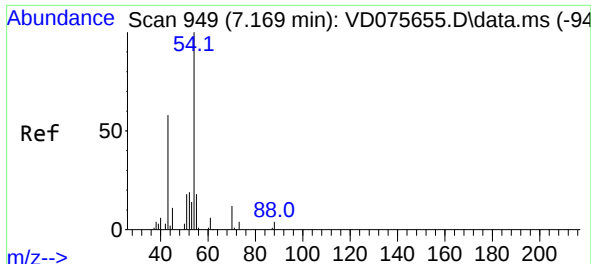
Tgt Ion:113 Resp: 246131  
Ion Ratio Lower Upper  
113 100  
111 103.9 81.4 122.0  
192 19.6 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 94.102 ug/l  
RT: 8.011 min Scan# 1092  
Delta R.T. 0.001 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 75 Resp: 331760  
Ion Ratio Lower Upper  
75 100  
110 41.5 17.1 51.2  
77 31.7 24.6 36.8

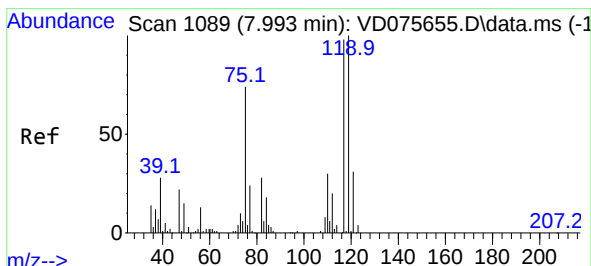
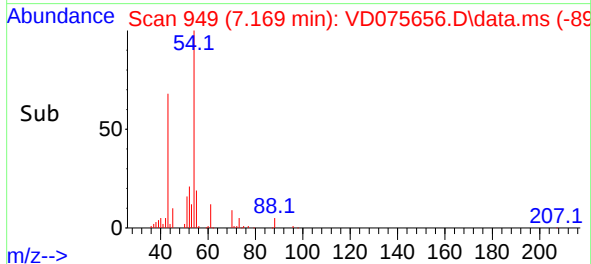
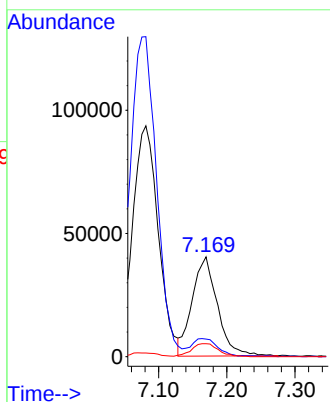
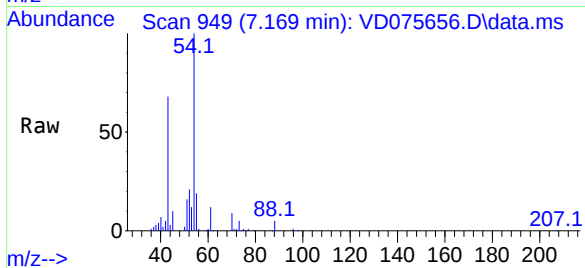




#37  
Ethyl Acetate  
Concen: 96.231 ug/l  
RT: 7.169 min Scan# 949  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

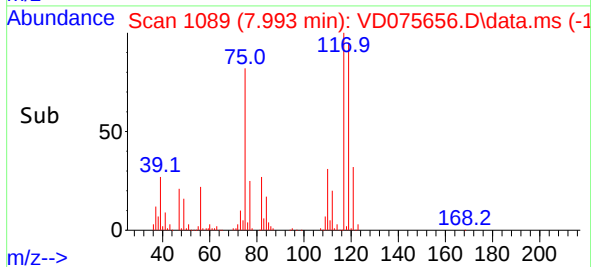
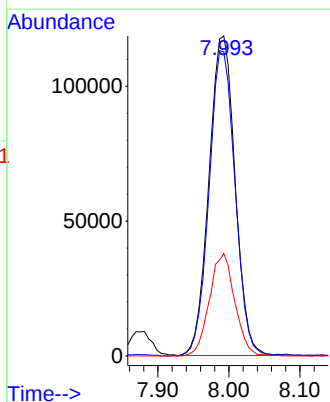
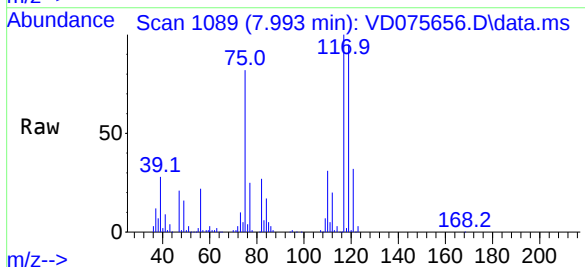
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

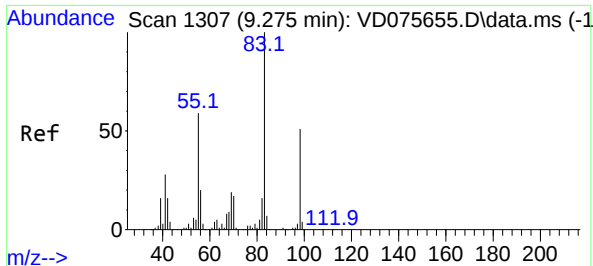
Tgt Ion: 43 Resp: 103246  
Ion Ratio Lower Upper  
43 100  
61 17.9 0.0 0.0#  
70 14.1 5.6 8.4#



#38  
Carbon Tetrachloride  
Concen: 97.322 ug/l  
RT: 7.993 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 117 Resp: 302144  
Ion Ratio Lower Upper  
117 100  
119 95.2 74.7 112.1  
121 32.1 25.9 38.9





#39

Methylcyclohexane

Concen: 105.659 ug/l

RT: 9.275 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD075656.D

Acq: 13 Apr 2023 12:18

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICC100

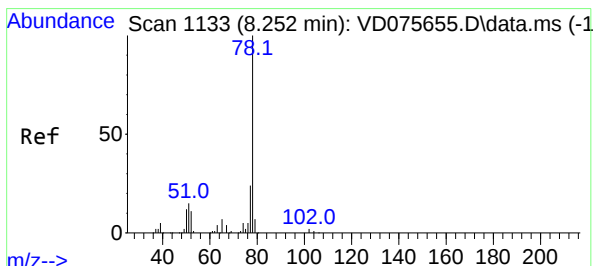
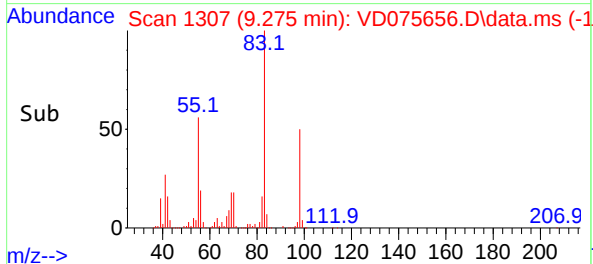
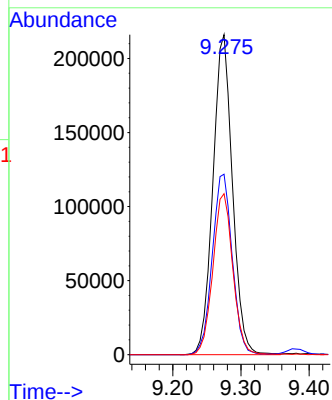
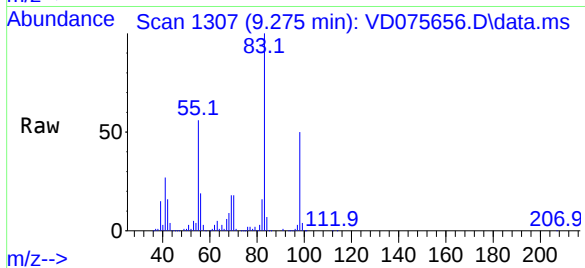
Tgt Ion: 83 Resp: 430742

Ion Ratio Lower Upper

83 100

55 56.4 56.8 85.2#

98 50.3 38.9 58.3



#40

Benzene

Concen: 97.438 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VD075656.D

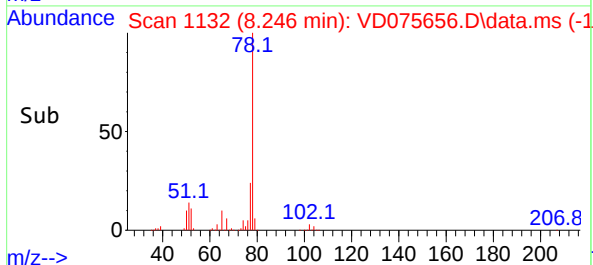
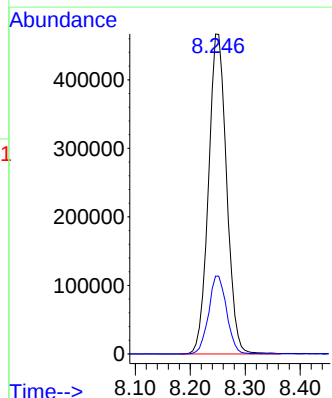
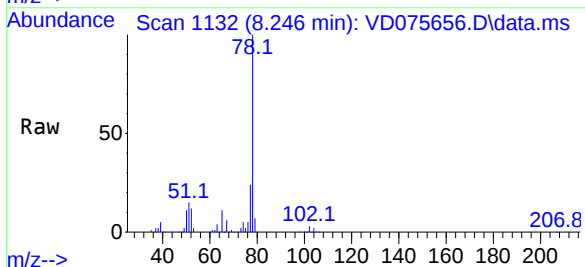
Acq: 13 Apr 2023 12:18

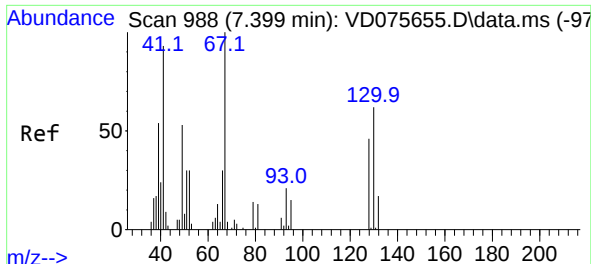
Tgt Ion: 78 Resp: 1067894

Ion Ratio Lower Upper

78 100

77 24.3 19.1 28.7

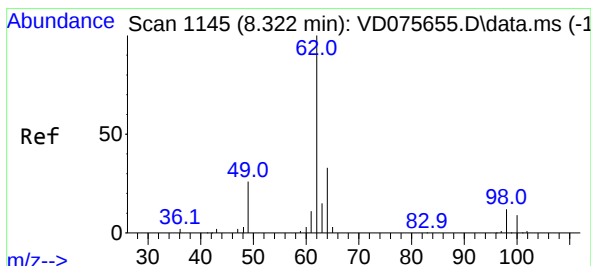
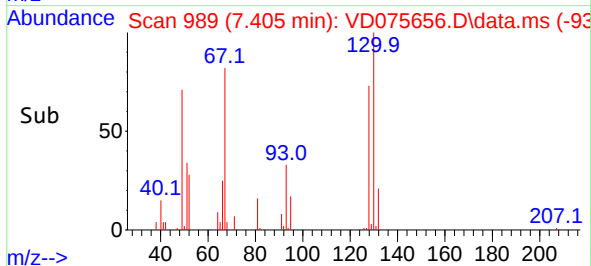
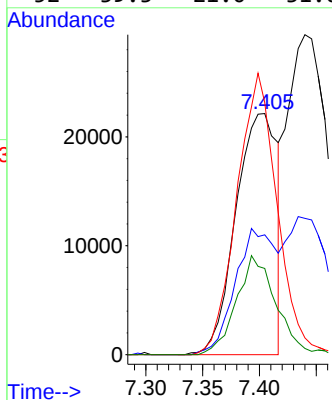
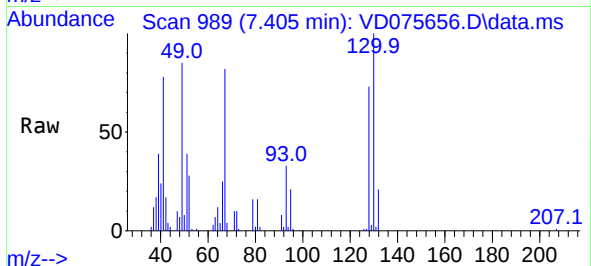




#41  
Methacrylonitrile  
Concen: 108.926 ug/l  
RT: 7.405 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

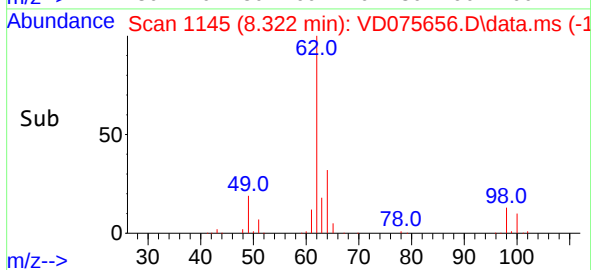
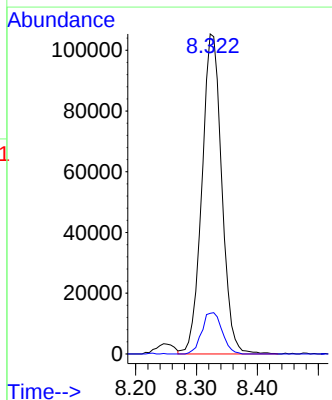
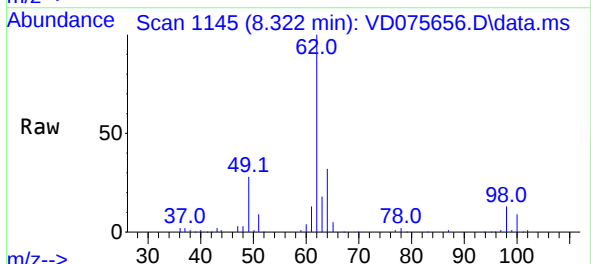
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

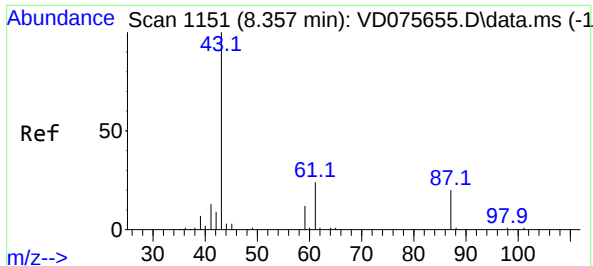
Tgt Ion: 41 Resp: 56082  
Ion Ratio Lower Upper  
41 100  
39 51.1 45.3 67.9  
67 113.6 50.5 75.7#  
52 39.3 21.0 31.6#



#42  
1,2-Dichloroethane  
Concen: 95.535 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 62 Resp: 237824  
Ion Ratio Lower Upper  
62 100  
98 13.2 0.0 18.8

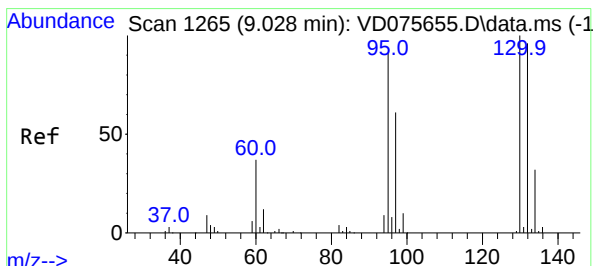
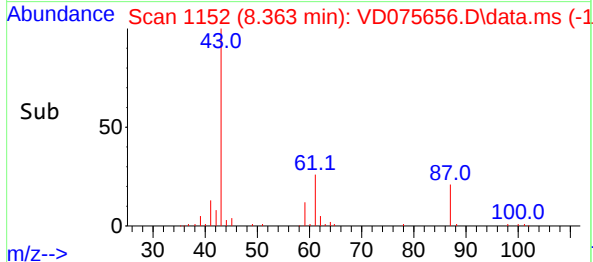
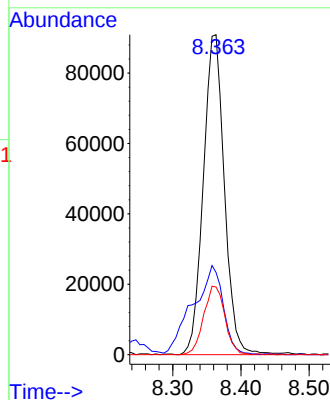
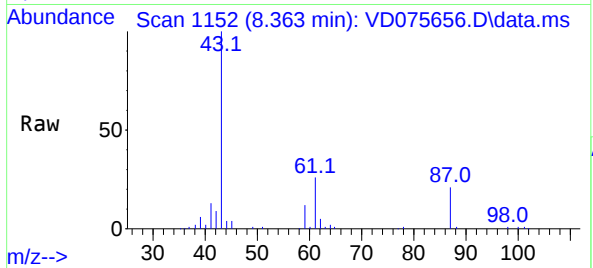




#43  
Isopropyl Acetate  
Concen: 100.068 ug/l  
RT: 8.363 min Scan# 1151  
Delta R.T. 0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

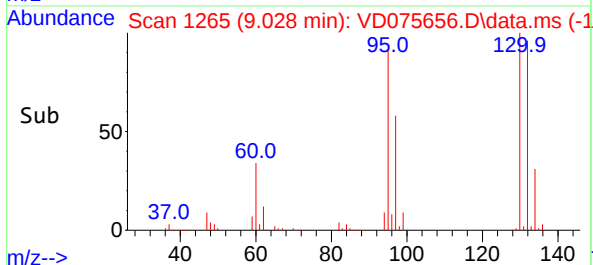
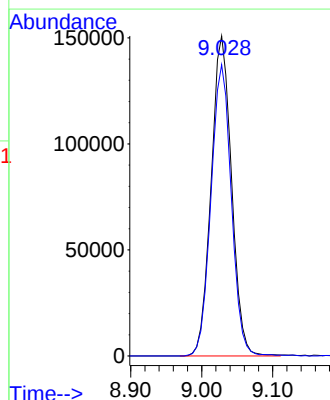
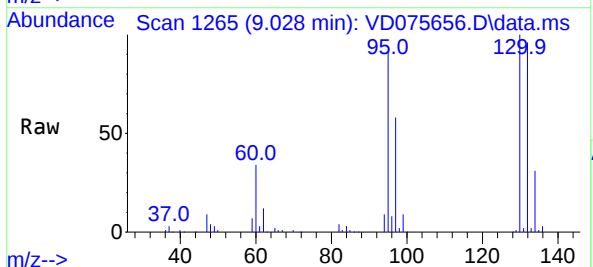
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

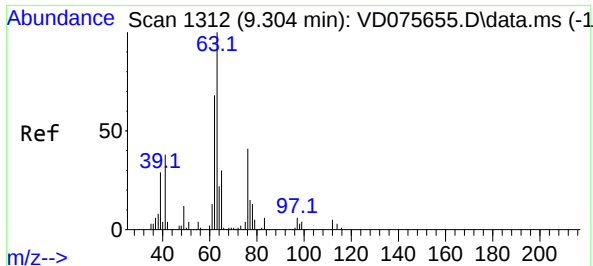
Tgt Ion: 43 Resp: 195777  
Ion Ratio Lower Upper  
43 100  
61 39.9 23.4 35.0#  
87 21.6 9.5 14.3#



#44  
Trichloroethene  
Concen: 96.927 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:130 Resp: 300643  
Ion Ratio Lower Upper  
130 100  
95 91.0 0.0 197.6

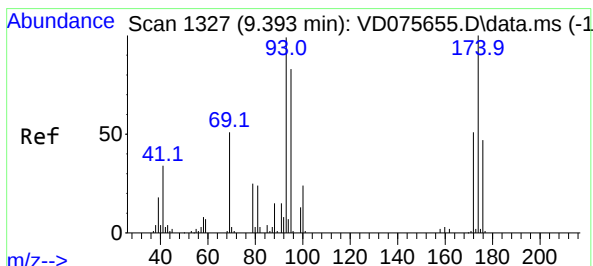
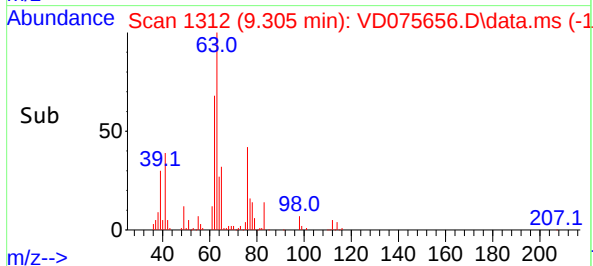
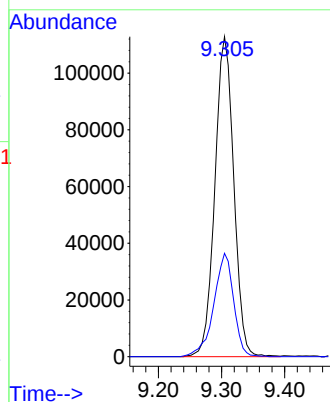
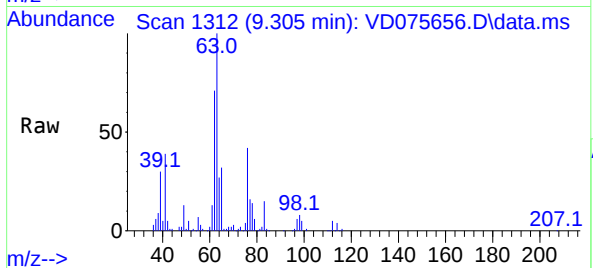




#45  
1,2-Dichloropropane  
Concen: 95.498 ug/l  
RT: 9.305 min Scan# 1312  
Delta R.T. 0.001 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

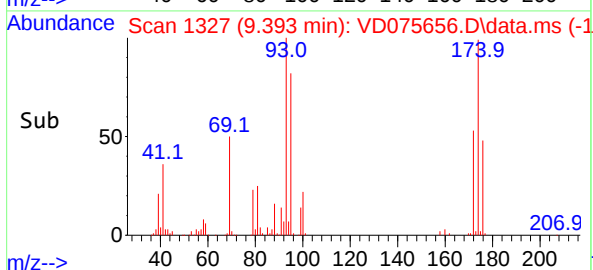
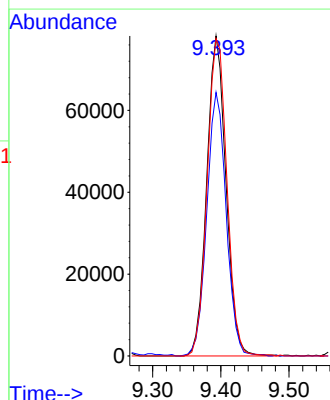
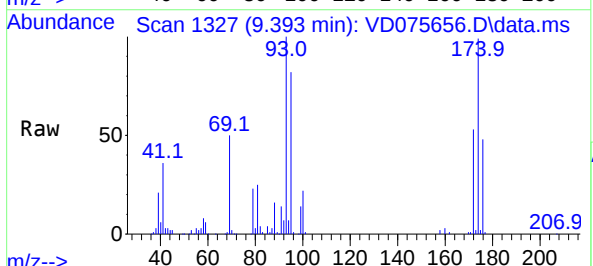
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

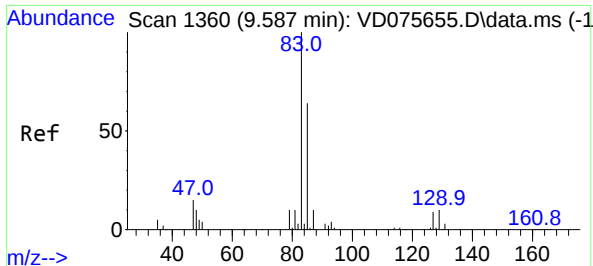
Tgt Ion: 63 Resp: 234545  
Ion Ratio Lower Upper  
63 100  
65 32.3 23.0 34.4



#46  
Dibromomethane  
Concen: 98.404 ug/l  
RT: 9.393 min Scan# 1327  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 93 Resp: 153323  
Ion Ratio Lower Upper  
93 100  
95 83.4 64.5 96.7  
174 101.7 76.2 114.4

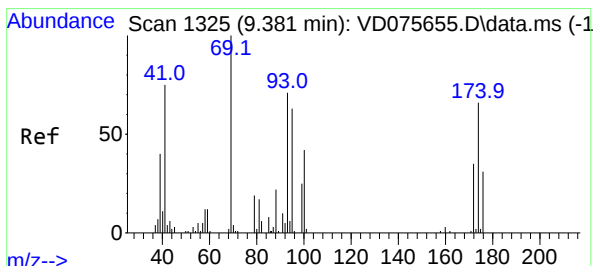
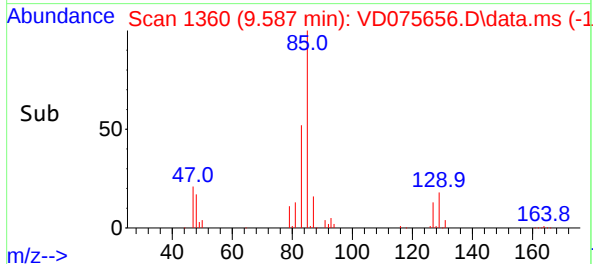
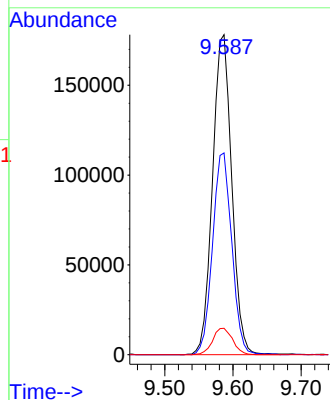
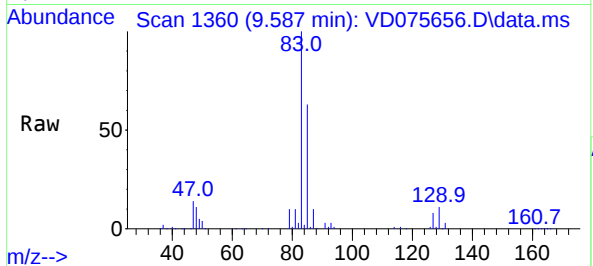




#47  
Bromodichloromethane  
Concen: 98.071 ug/l  
RT: 9.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

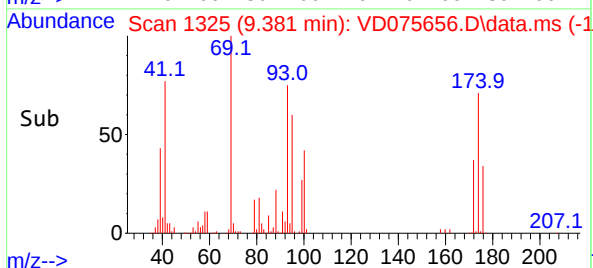
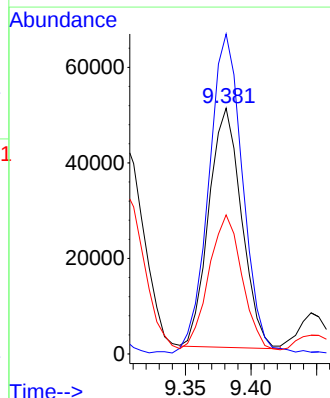
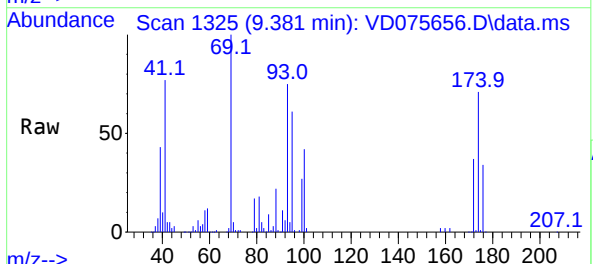
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

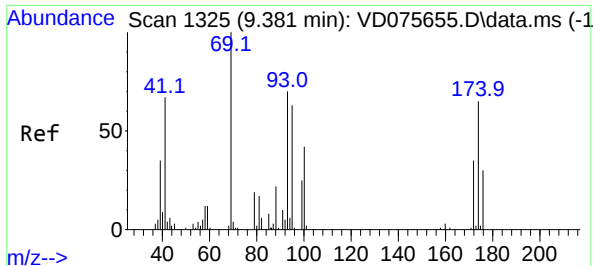
Tgt Ion: 83 Resp: 349534  
Ion Ratio Lower Upper  
83 100  
85 63.0 53.7 80.5  
127 8.3 7.0 10.6



#48  
Methyl methacrylate  
Concen: 100.001 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 41 Resp: 87165  
Ion Ratio Lower Upper  
41 100  
69 140.1 58.6 88.0#  
39 57.8 53.4 80.0

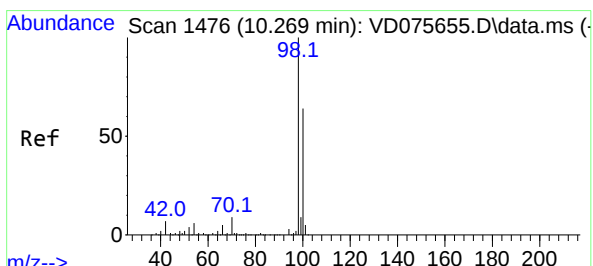
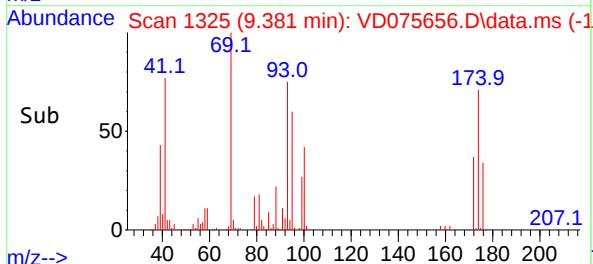
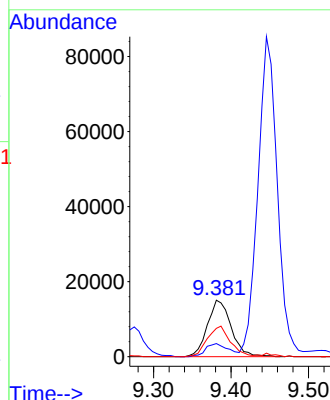
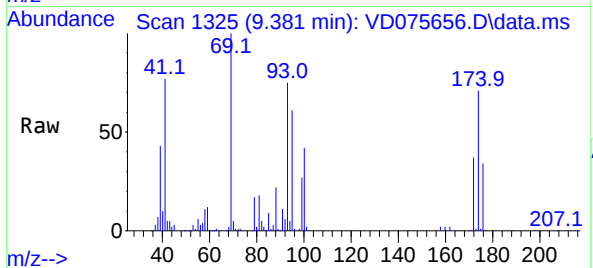




#49  
1,4-Dioxane  
Concen: 2070.825 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

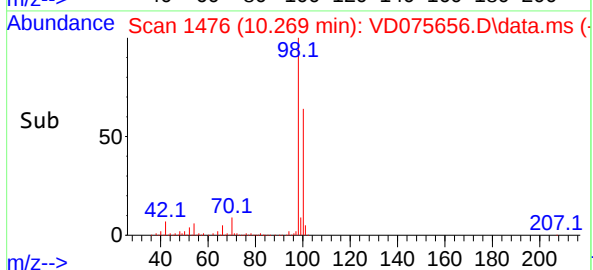
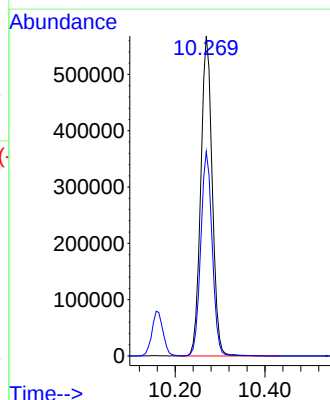
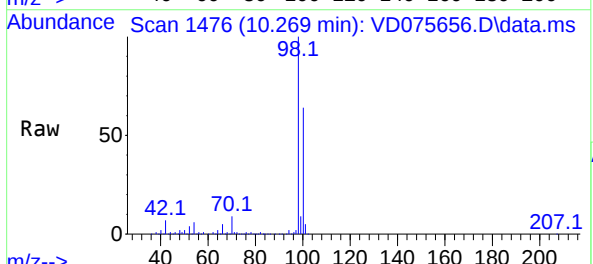
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

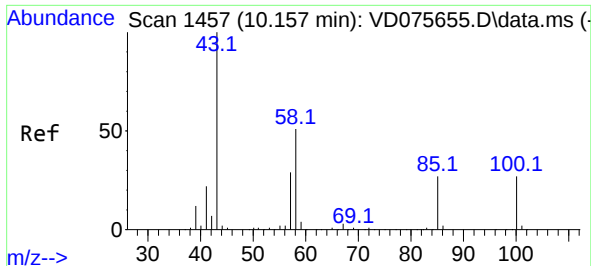
Tgt Ion: 88 Resp: 32012  
Ion Ratio Lower Upper  
88 100  
43 22.8 34.6 51.8#  
58 52.3 58.0 87.0#



#50  
Toluene-d8  
Concen: 98.015 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 98 Resp: 1003058  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.1 78.1

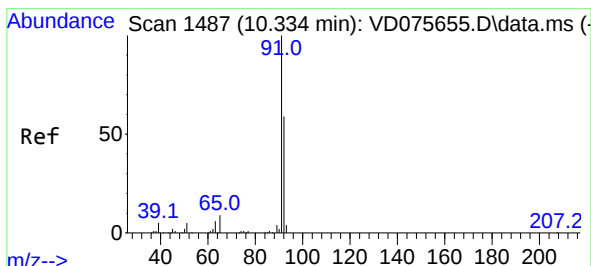
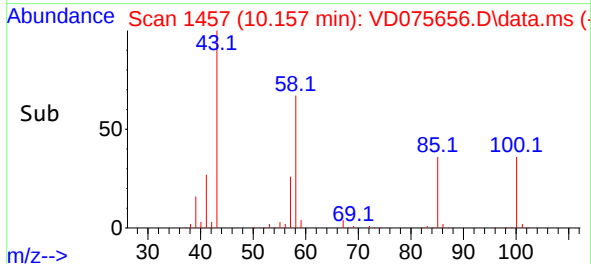
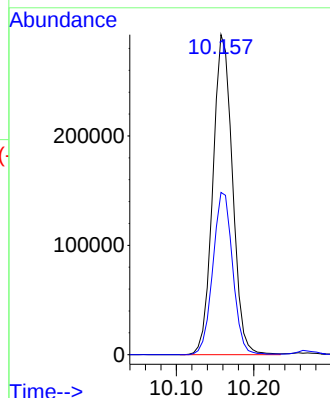
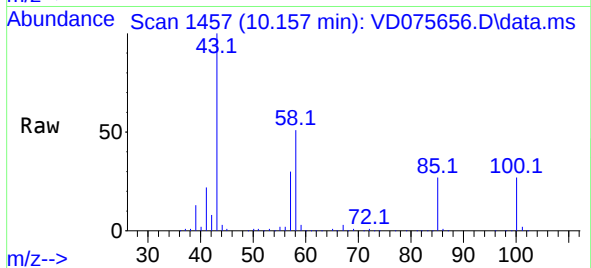




#51  
4-Methyl-2-Pentanone  
Concen: 494.437 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

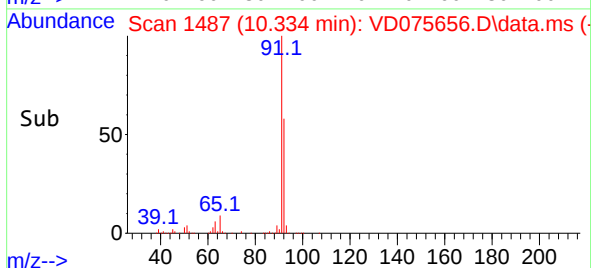
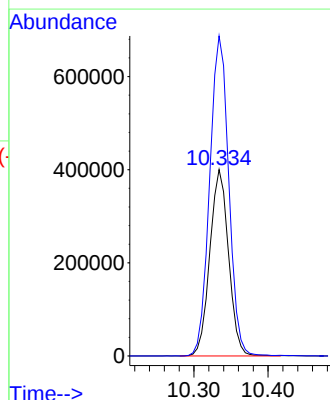
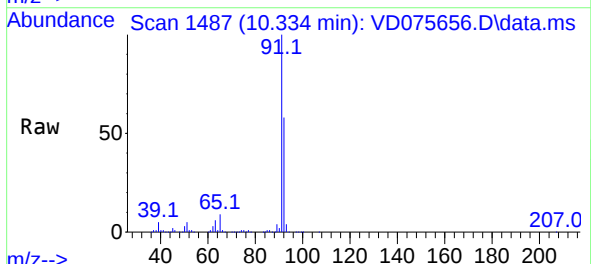
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

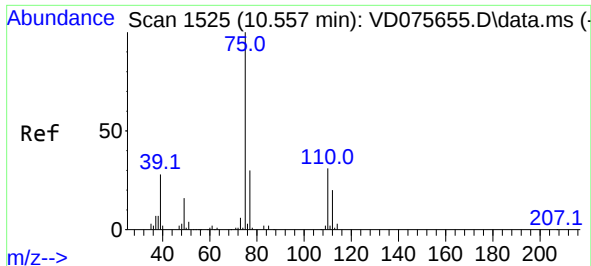
Tgt Ion: 43 Resp: 515762  
Ion Ratio Lower Upper  
43 100  
58 51.2 29.5 44.3#



#52  
Toluene  
Concen: 96.371 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 92 Resp: 702326  
Ion Ratio Lower Upper  
92 100  
91 175.2 136.5 204.7

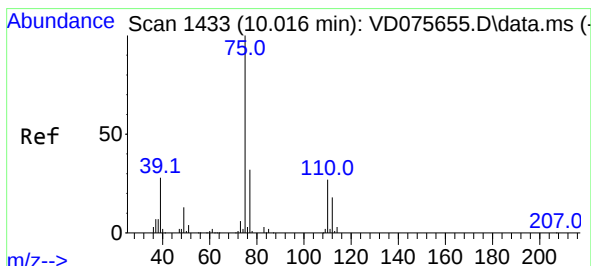
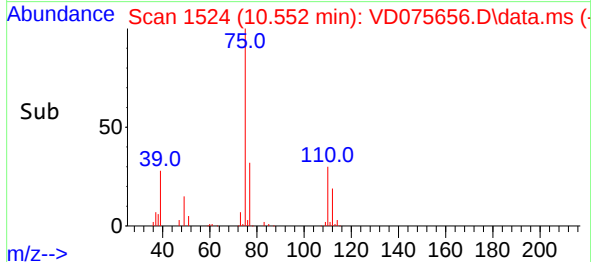
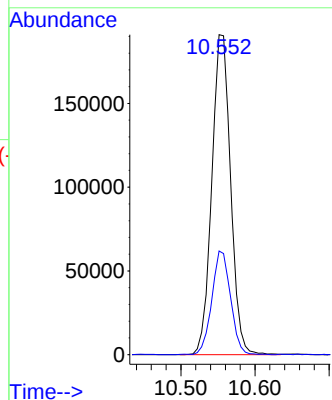
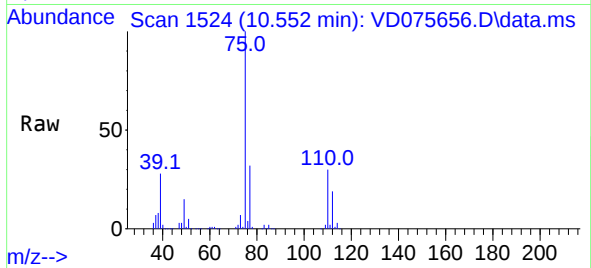




#53  
 t-1,3-Dichloropropene  
 Concen: 98.484 ug/l  
 RT: 10.552 min Scan# 1525  
 Delta R.T. -0.005 min  
 Lab File: VD075656.D  
 Acq: 13 Apr 2023 12:18

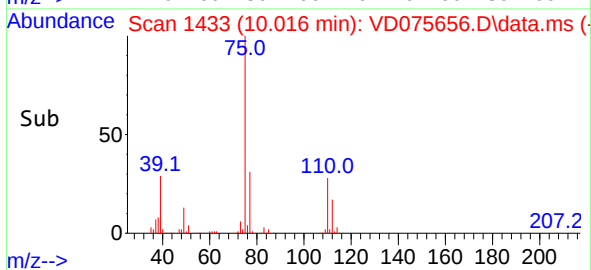
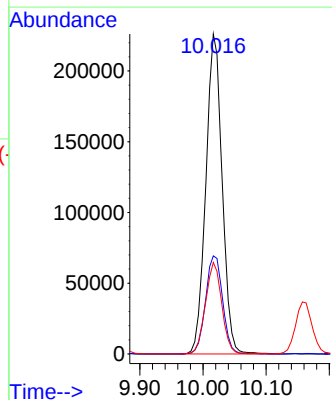
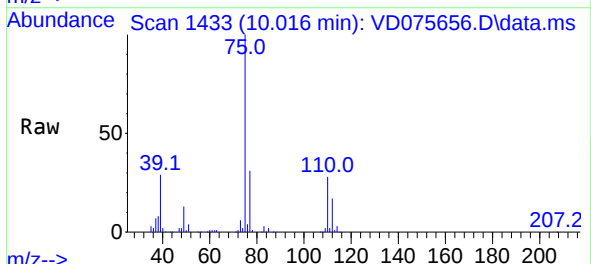
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

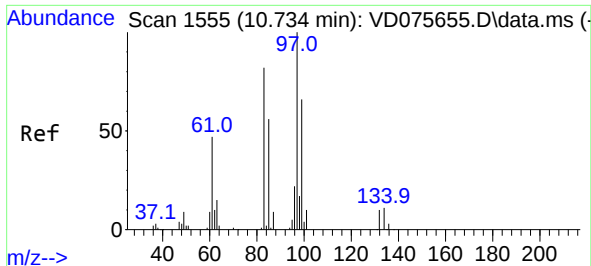
Tgt Ion: 75 Resp: 336475  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 26.3 39.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 100.017 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD075656.D  
 Acq: 13 Apr 2023 12:18

Tgt Ion: 75 Resp: 406007  
 Ion Ratio Lower Upper  
 75 100  
 77 30.7 25.6 38.4  
 39 28.6 44.8 67.2#



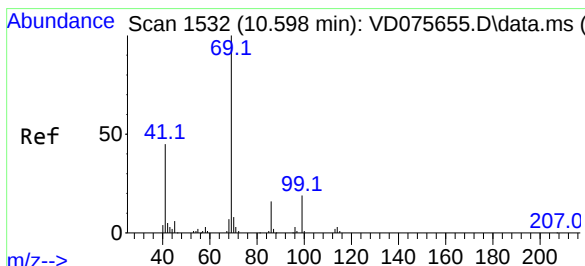
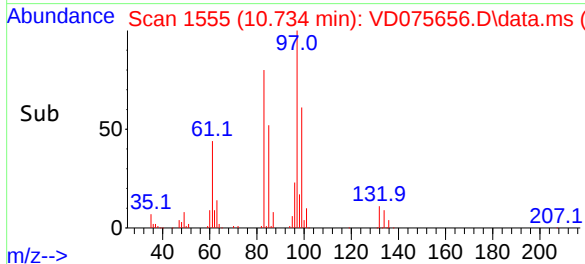
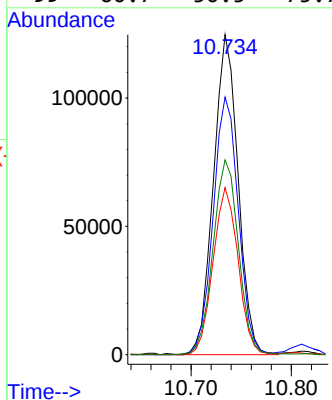
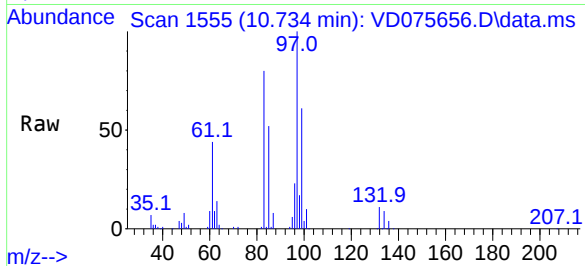


#55  
1,1,2-Trichloroethane  
Concen: 94.277 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tgt Ion: 97 Resp: 212687

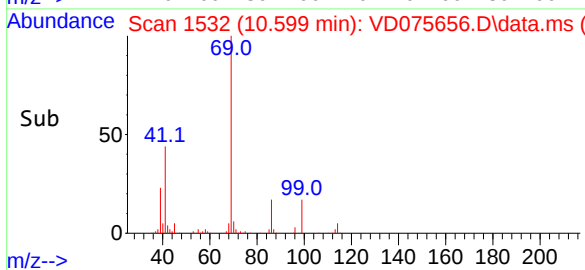
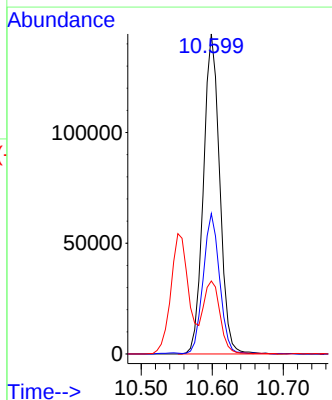
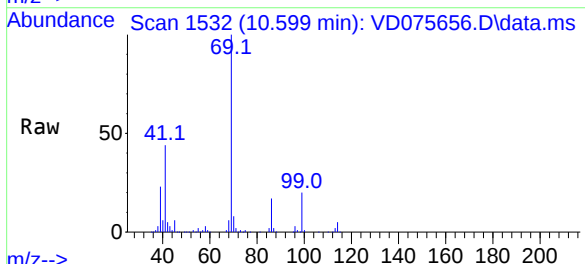
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 80.4  | 74.2  | 111.4 |
| 85  | 52.2  | 45.4  | 68.0  |
| 99  | 60.7  | 50.5  | 75.7  |

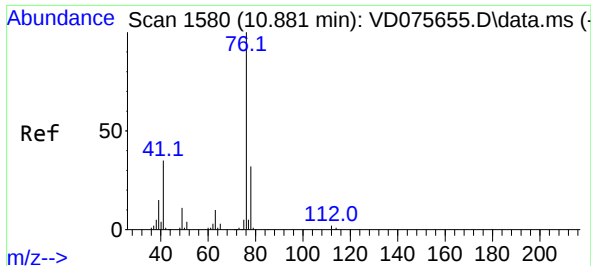


#56  
Ethyl methacrylate  
Concen: 103.956 ug/l  
RT: 10.599 min Scan# 1532  
Delta R.T. 0.001 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 69 Resp: 230799

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 44.4  | 59.3  | 88.9# |
| 39  | 22.5  | 36.0  | 54.0# |





#57

1,3-Dichloropropane

Concen: 95.886 ug/l

RT: 10.881 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075656.D

Acq: 13 Apr 2023 12:18

Instrument :

MSVOA\_D

ClientSampleId :

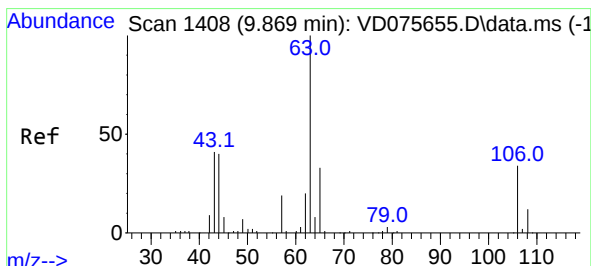
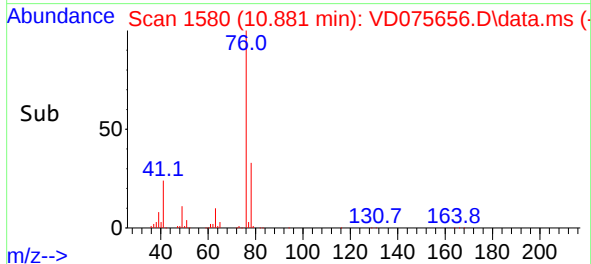
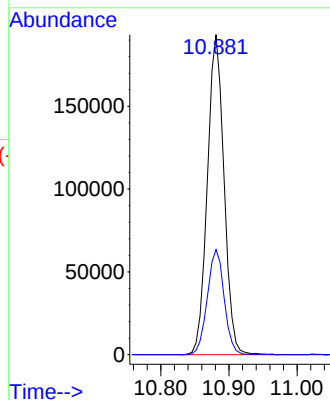
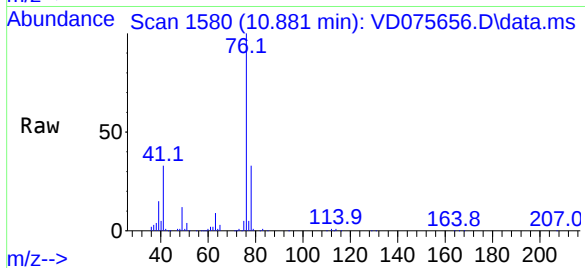
VSTDIC100

Tgt Ion: 76 Resp: 328402

Ion Ratio Lower Upper

76 100

78 33.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 541.496 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD075656.D

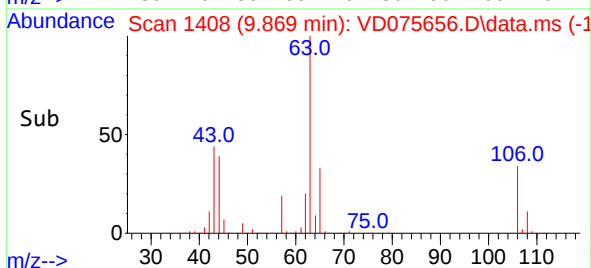
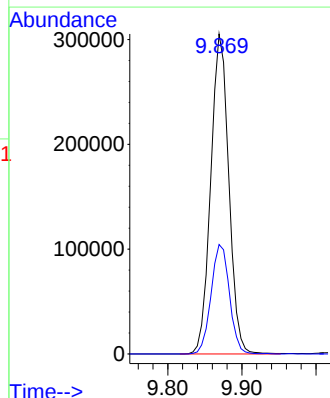
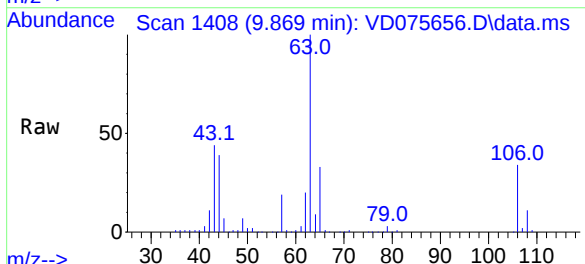
Acq: 13 Apr 2023 12:18

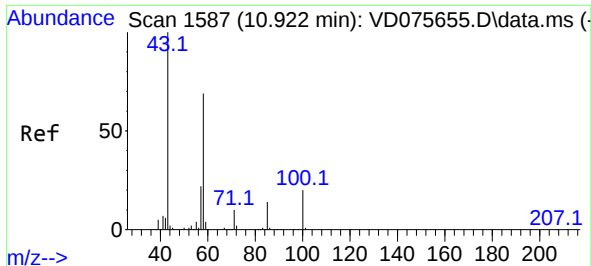
Tgt Ion: 63 Resp: 516309

Ion Ratio Lower Upper

63 100

106 34.9 21.4 32.2#

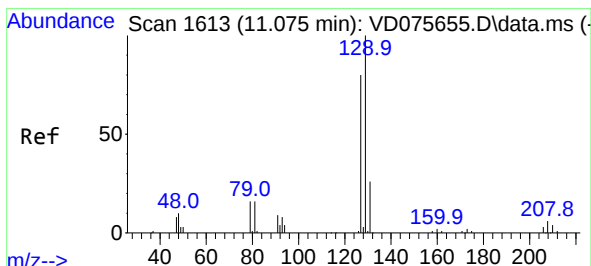
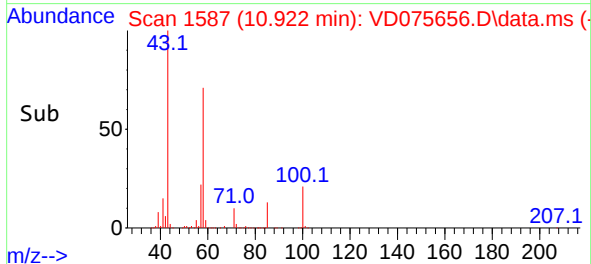
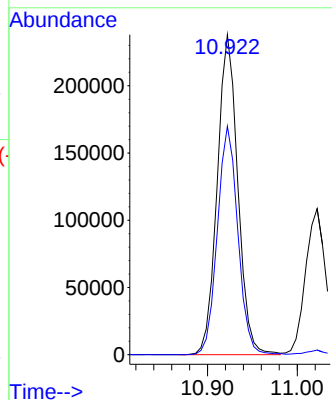
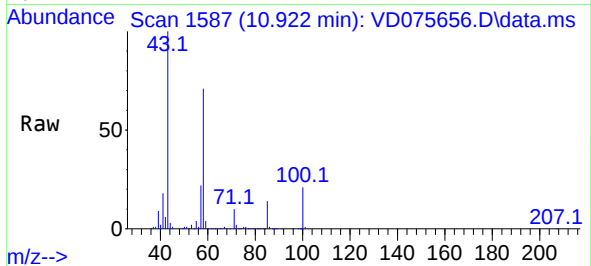




#59  
2-Hexanone  
Concen: 516.926 ug/l  
RT: 10.922 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

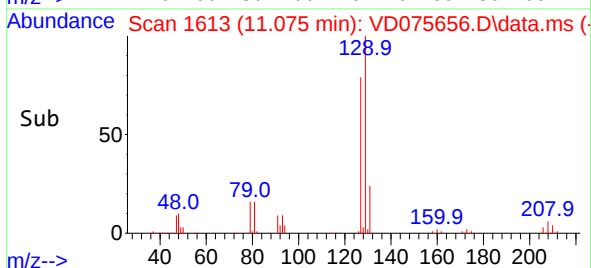
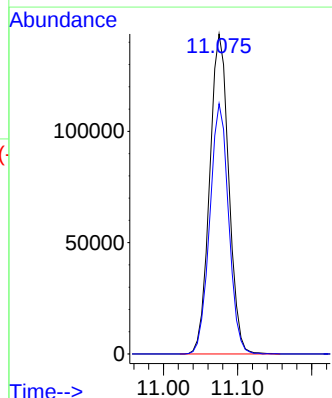
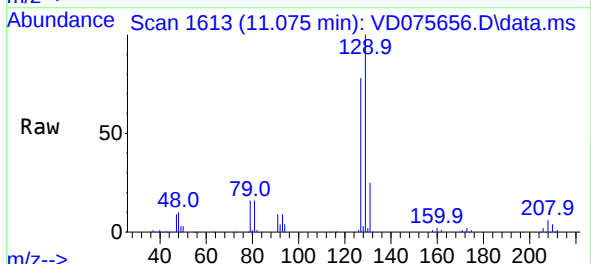
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

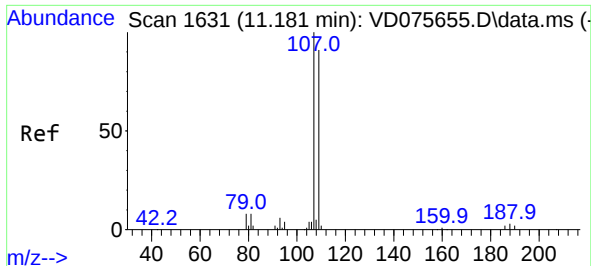
Tgt Ion: 43 Resp: 379136  
Ion Ratio Lower Upper  
43 100  
58 70.9 25.3 75.8



#60  
Dibromochloromethane  
Concen: 97.468 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 129 Resp: 257300  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.1 114.5

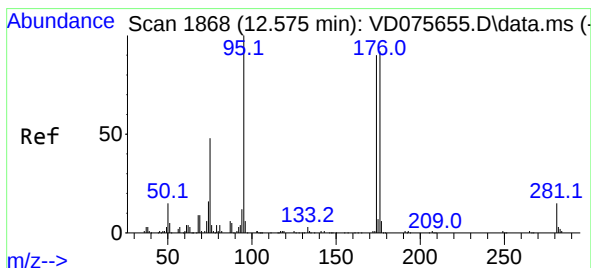
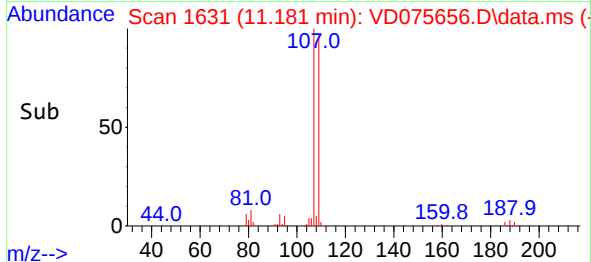
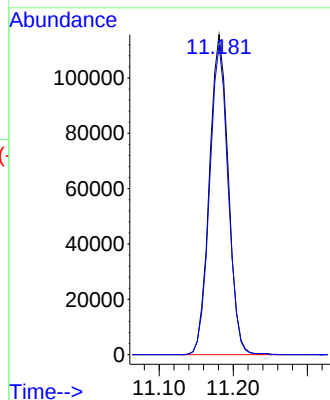
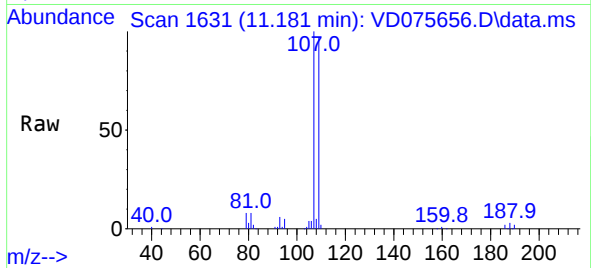




#61  
1,2-Dibromoethane  
Concen: 95.227 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

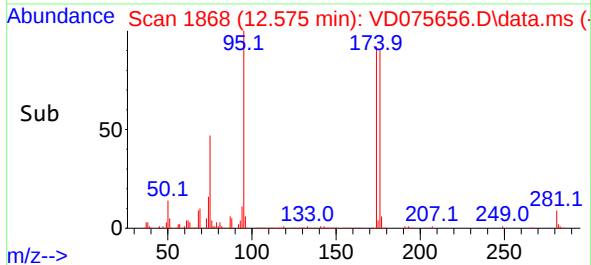
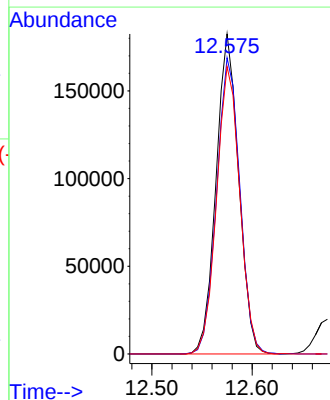
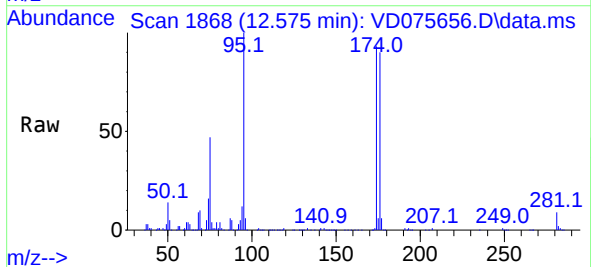
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ClientSampleId :  
VSTDIC100

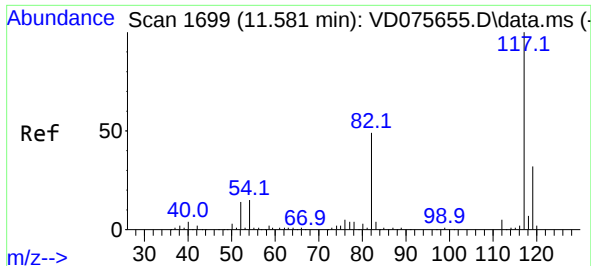
Tgt Ion:107 Resp: 204933  
Ion Ratio Lower Upper  
107 100  
109 95.1 73.6 110.4



#62  
4-Bromofluorobenzene  
Concen: 105.119 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 95 Resp: 285932  
Ion Ratio Lower Upper  
95 100  
174 94.9 0.0 164.0  
176 91.9 0.0 156.8

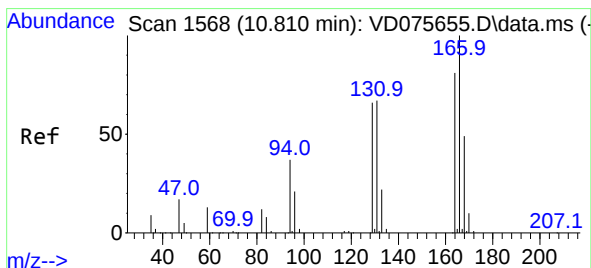
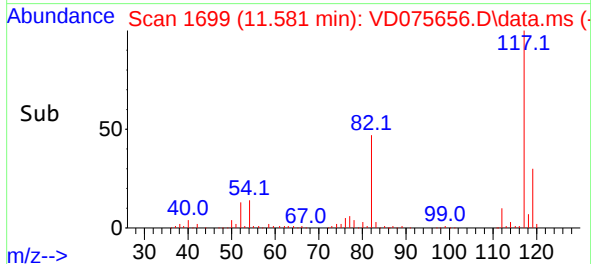
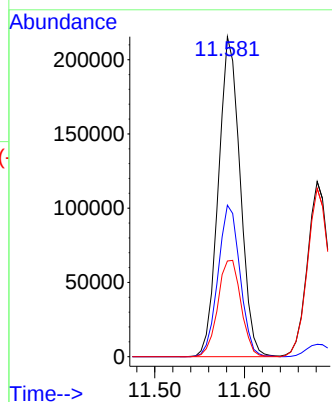
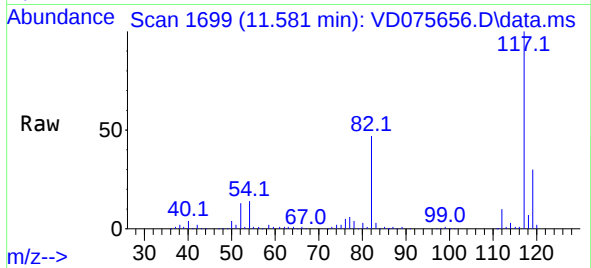




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

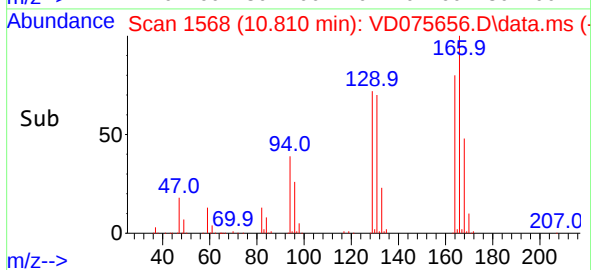
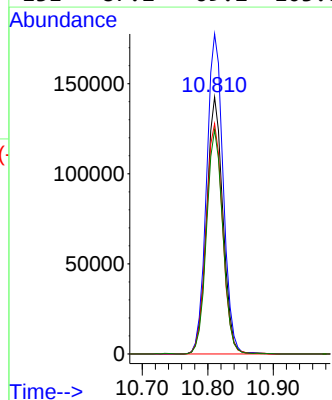
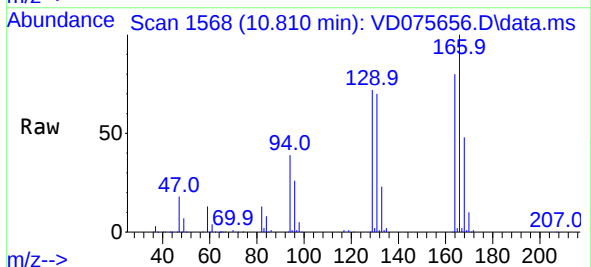
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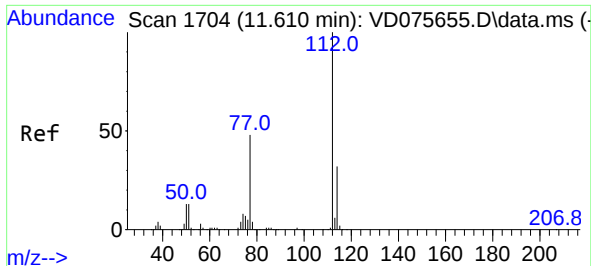
Tgt Ion:117 Resp: 362916  
Ion Ratio Lower Upper  
117 100  
82 47.4 44.0 66.0  
119 29.9 25.1 37.7



#64  
Tetrachloroethene  
Concen: 94.290 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:164 Resp: 246443  
Ion Ratio Lower Upper  
164 100  
166 124.6 94.9 142.3  
129 89.6 73.0 109.6  
131 87.2 69.2 103.8

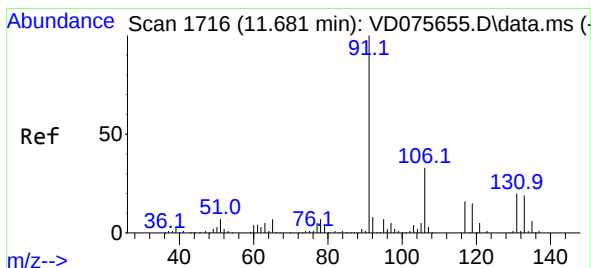
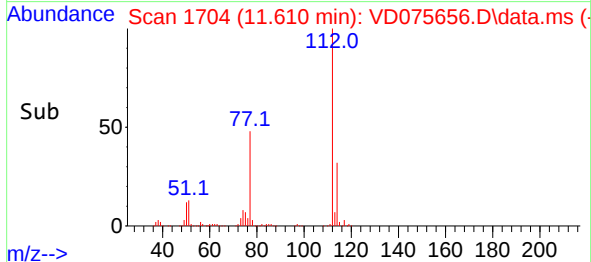
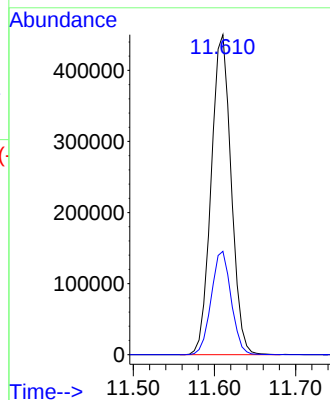
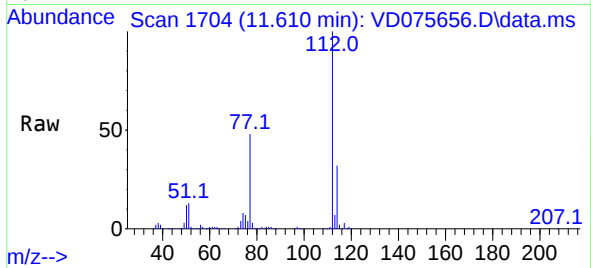




#65  
Chlorobenzene  
Concen: 99.014 ug/l  
RT: 11.610 min Scan# 1704  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

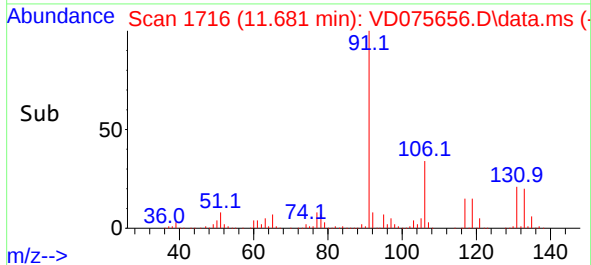
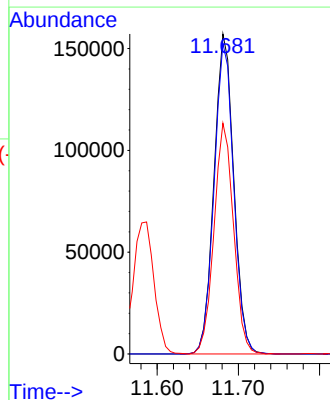
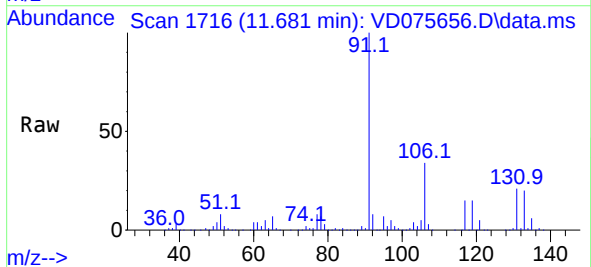
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

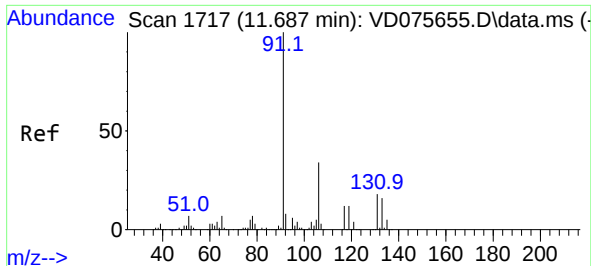
Tgt Ion:112 Resp: 769663  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 99.336 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:131 Resp: 265455  
Ion Ratio Lower Upper  
131 100  
133 96.5 46.7 140.0  
119 71.6 31.9 95.9

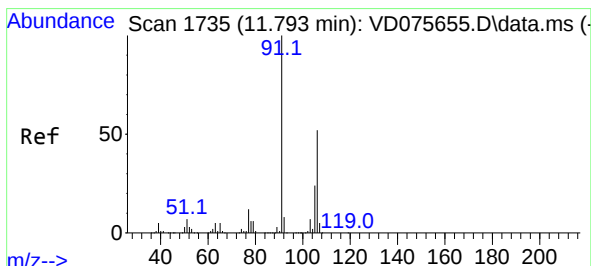
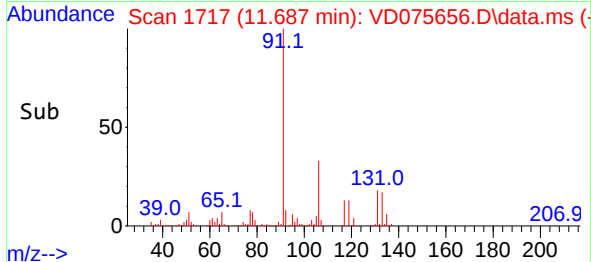
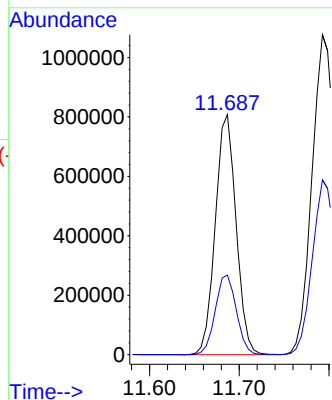
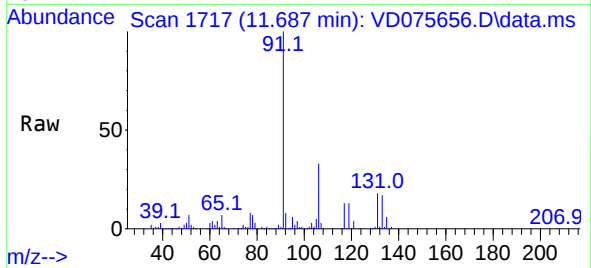




#67  
Ethyl Benzene  
Concen: 102.965 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

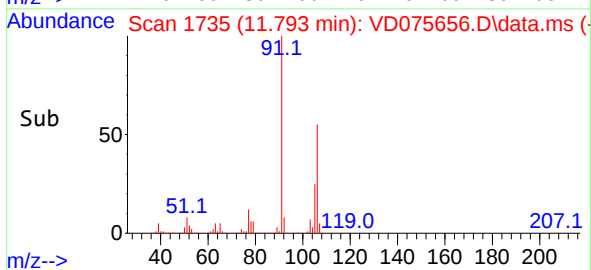
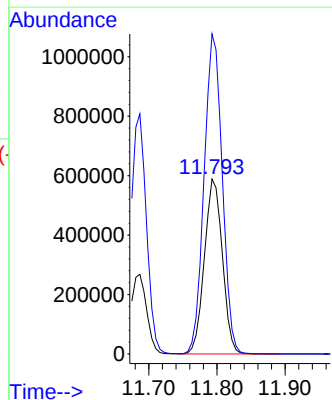
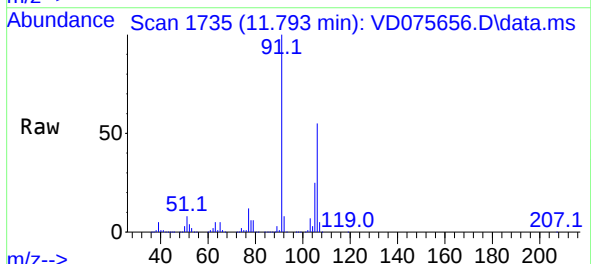
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

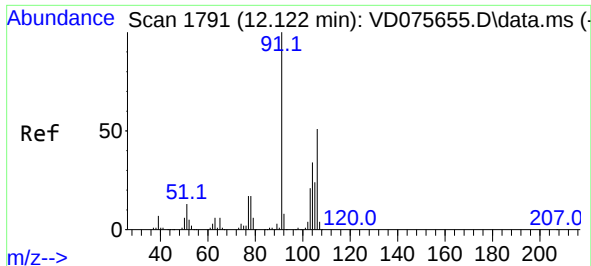
Tgt Ion: 91 Resp: 1298946  
Ion Ratio Lower Upper  
91 100  
106 33.2 24.5 36.7



#68  
m/p-Xylenes  
Concen: 208.937 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:106 Resp: 1080222  
Ion Ratio Lower Upper  
106 100  
91 184.8 161.5 242.3

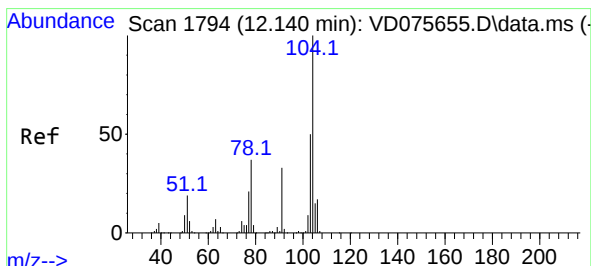
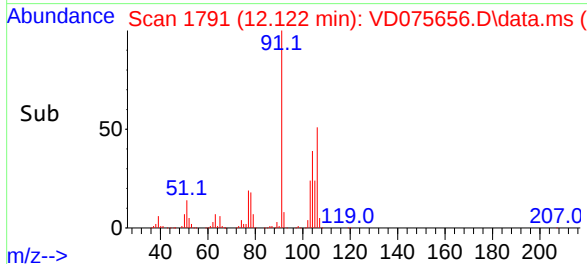
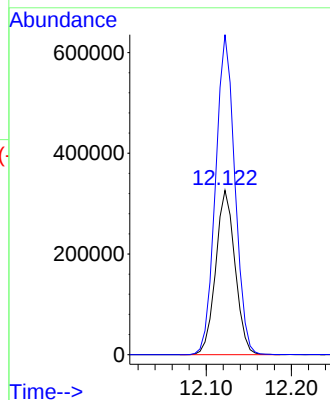
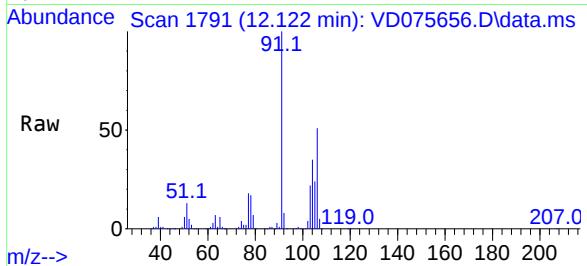




#69  
o-Xylene  
Concen: 109.982 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

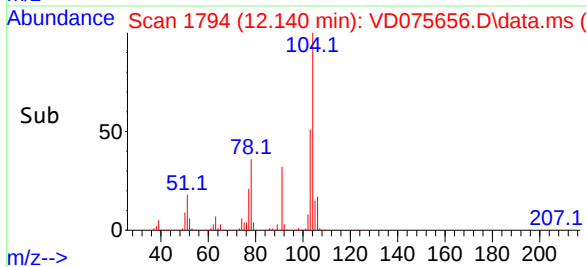
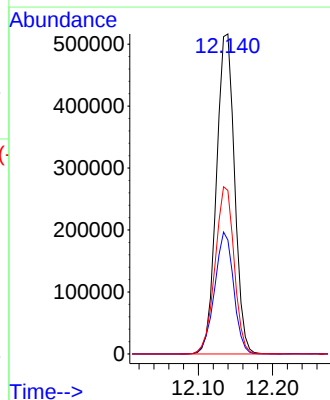
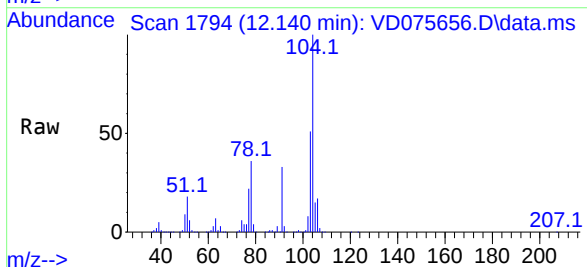
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

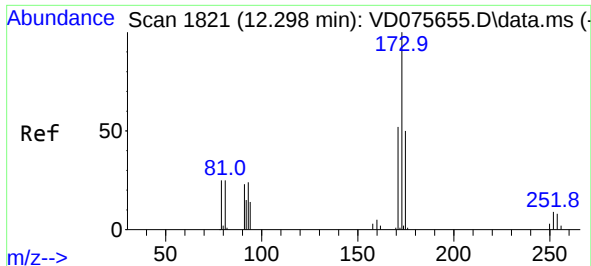
Tgt Ion:106 Resp: 514161  
Ion Ratio Lower Upper  
106 100  
91 194.9 105.7 317.1



#70  
Styrene  
Concen: 101.653 ug/l  
RT: 12.140 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:104 Resp: 876939  
Ion Ratio Lower Upper  
104 100  
78 40.0 40.2 60.4#  
103 55.0 44.2 66.2

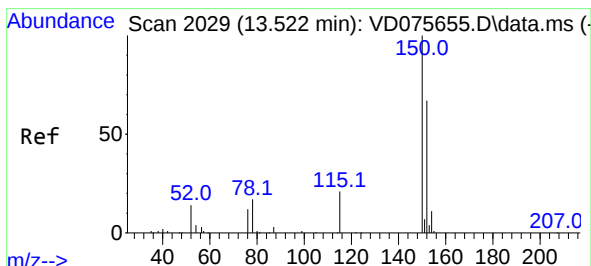
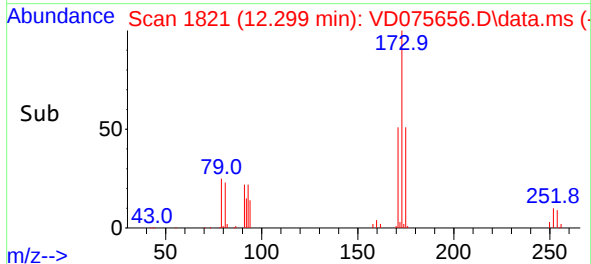
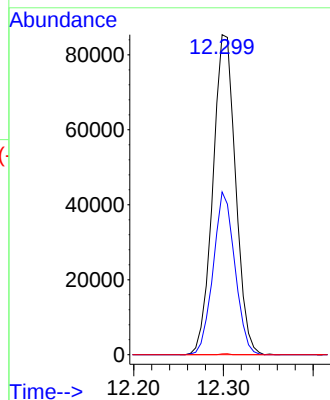
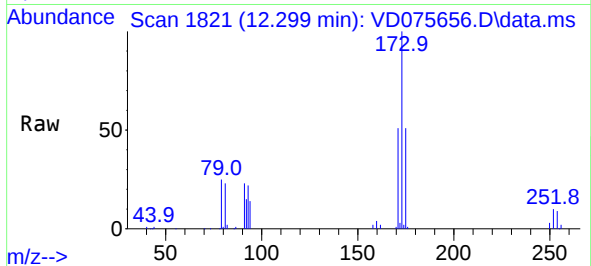




#71  
Bromoform  
Concen: 107.360 ug/l  
RT: 12.299 min Scan# 1821  
Delta R.T. 0.001 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

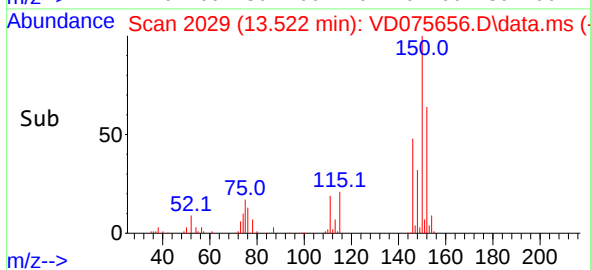
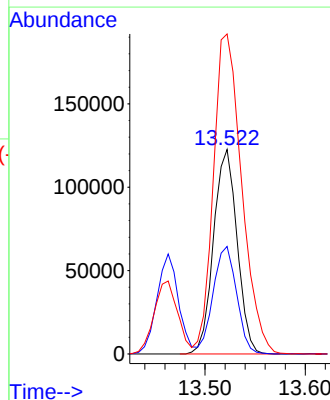
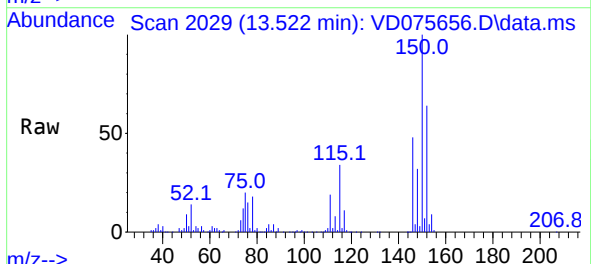
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

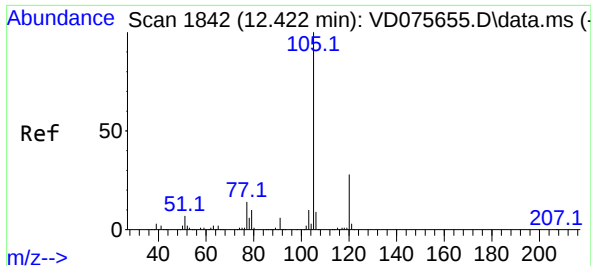
Tgt Ion:173 Resp: 149974  
Ion Ratio Lower Upper  
173 100  
175 48.5 23.5 70.5  
254 0.1 0.0 0.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:152 Resp: 200124  
Ion Ratio Lower Upper  
152 100  
115 52.4 30.1 90.3  
150 188.5 0.0 364.8

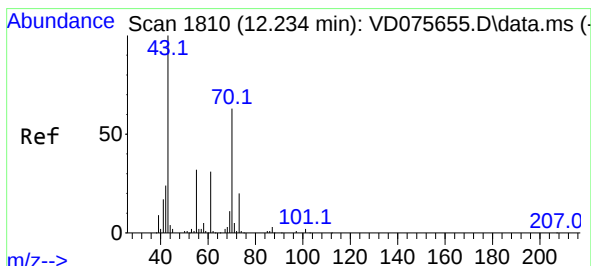
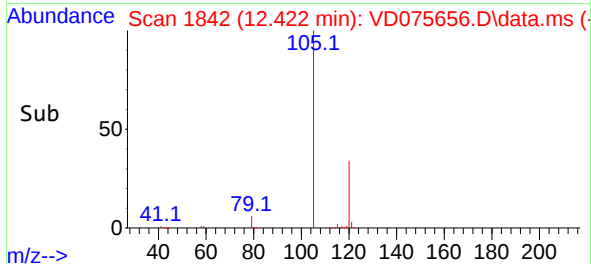
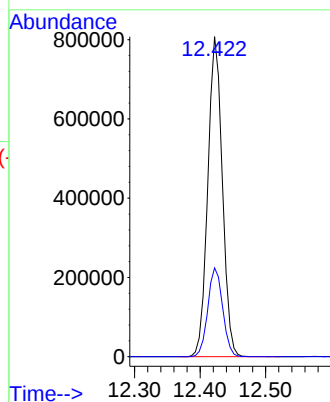
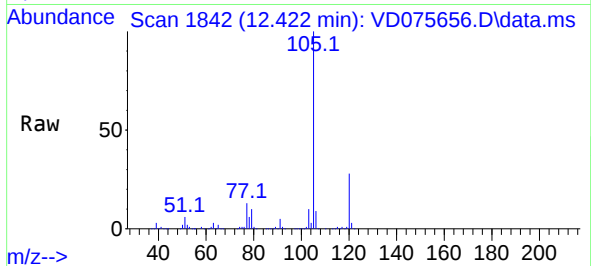




#73  
Isopropylbenzene  
Concen: 94.690 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

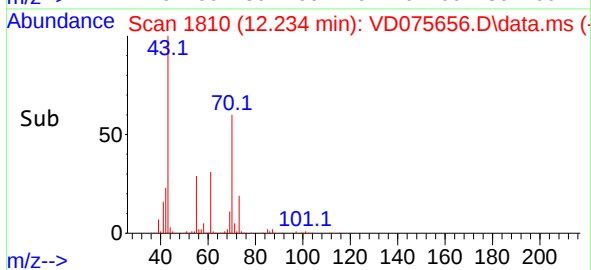
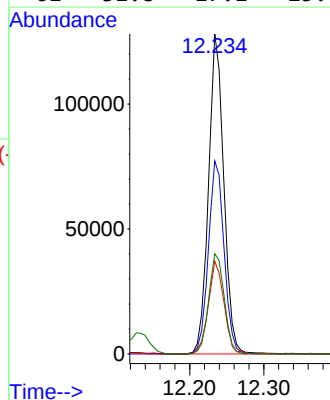
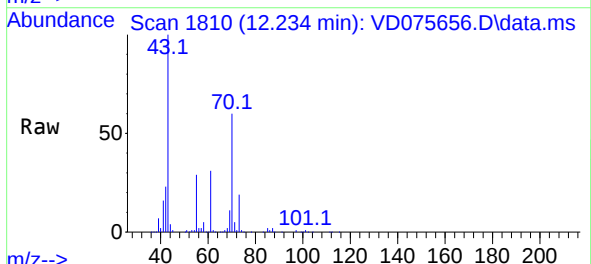
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

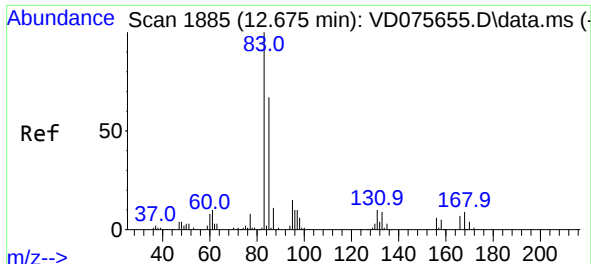
Tgt Ion:105 Resp: 1243670  
Ion Ratio Lower Upper  
105 100  
120 28.4 13.4 40.1



#74  
N-ethyl acetate  
Concen: 95.125 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 43 Resp: 183592  
Ion Ratio Lower Upper  
43 100  
70 62.1 31.0 46.4#  
55 29.8 18.6 28.0#  
61 31.8 17.1 25.7#

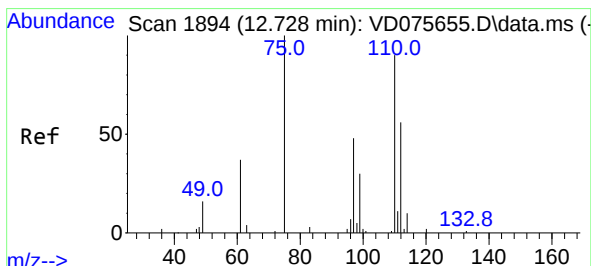
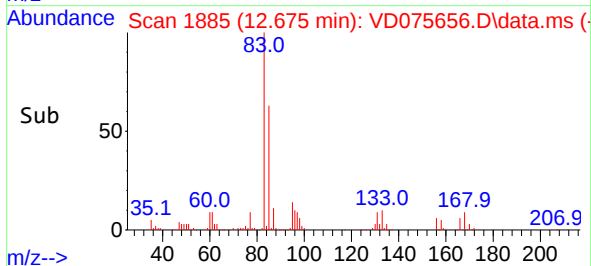
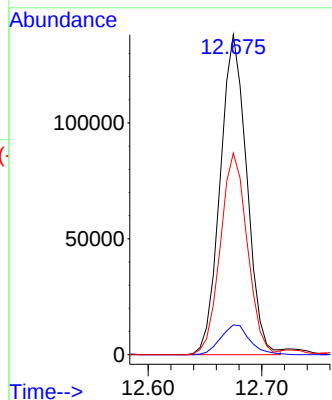
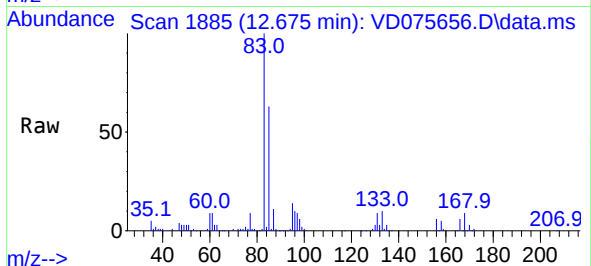




#75  
1,1,2,2-Tetrachloroethane  
Concen: 88.000 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

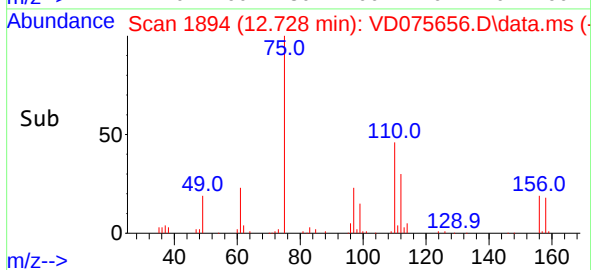
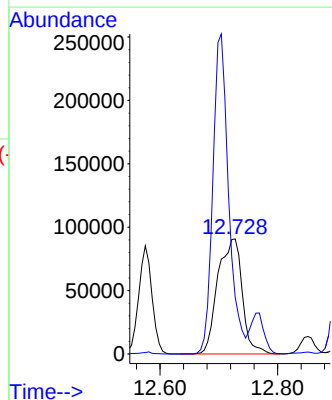
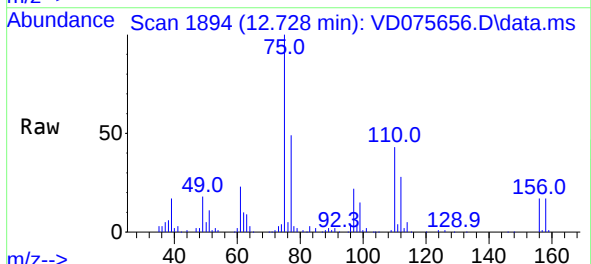
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

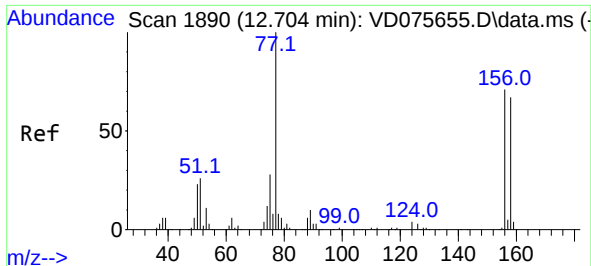
Tgt Ion: 83 Resp: 224522  
Ion Ratio Lower Upper  
83 100  
131 10.2 5.1 15.2  
85 64.1 33.6 100.6



#76  
1,2,3-Trichloropropane  
Concen: 186.894 ug/l  
RT: 12.728 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 75 Resp: 261325  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

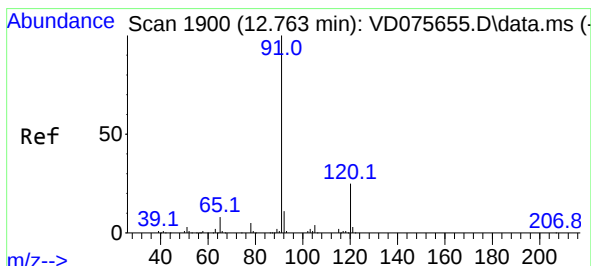
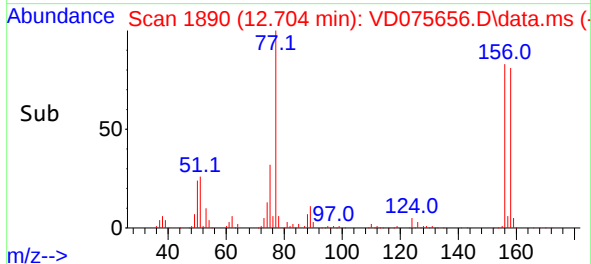
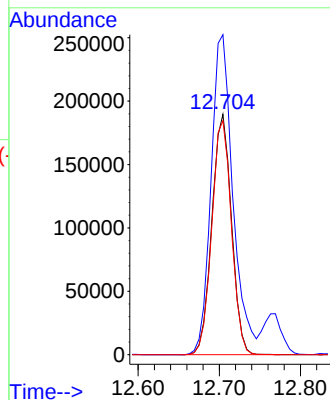
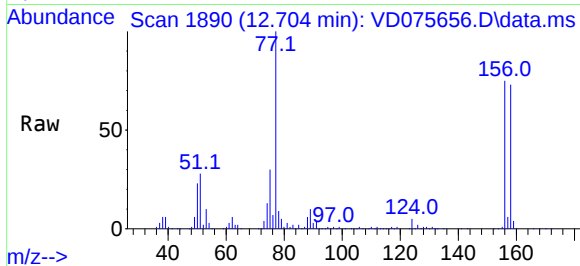




#77  
Bromobenzene  
Concen: 93.987 ug/l  
RT: 12.704 min Scan# 1890  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

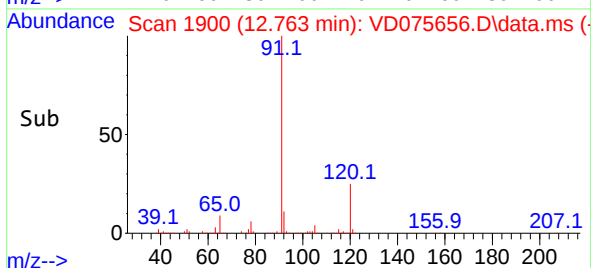
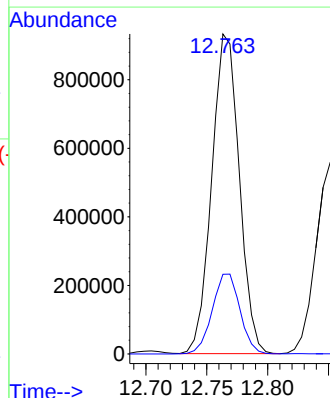
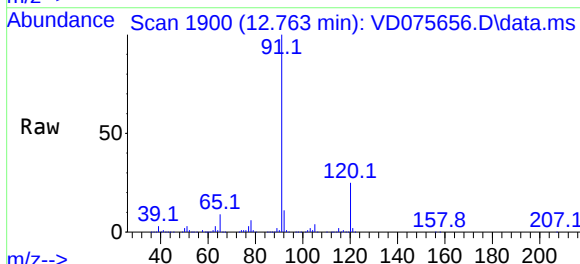
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

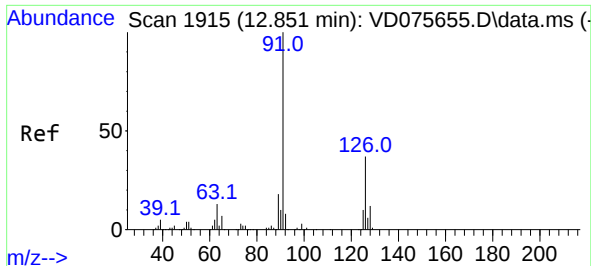
Tgt Ion:156 Resp: 318243  
Ion Ratio Lower Upper  
156 100  
77 148.2 89.5 268.6  
158 97.3 47.8 143.4



#78  
n-propylbenzene  
Concen: 91.185 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 91 Resp: 1468022  
Ion Ratio Lower Upper  
91 100  
120 25.2 11.4 34.2

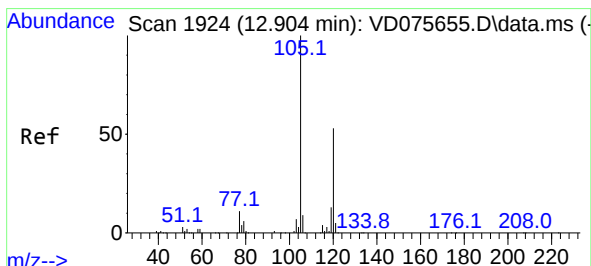
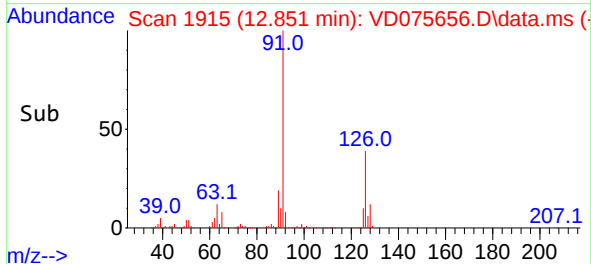
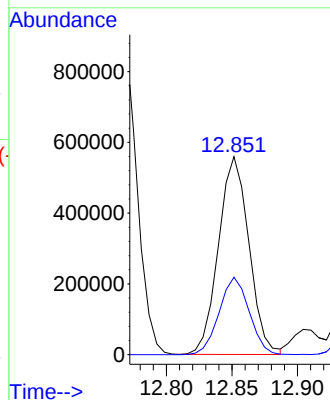
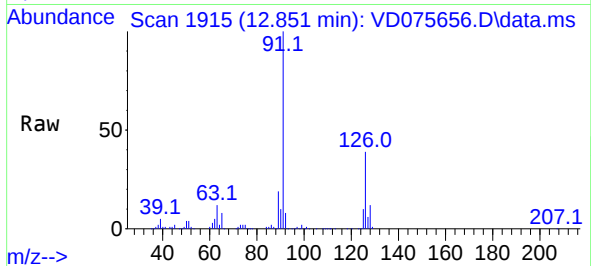




#79  
2-Chlorotoluene  
Concen: 99.001 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

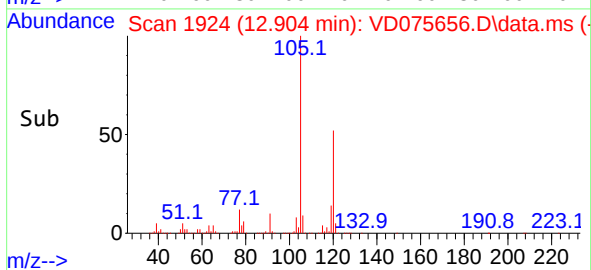
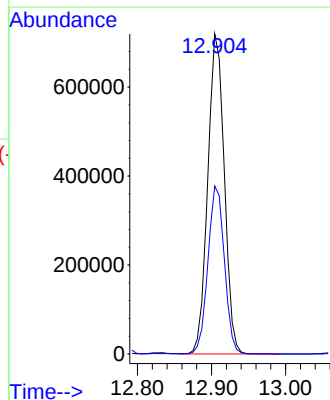
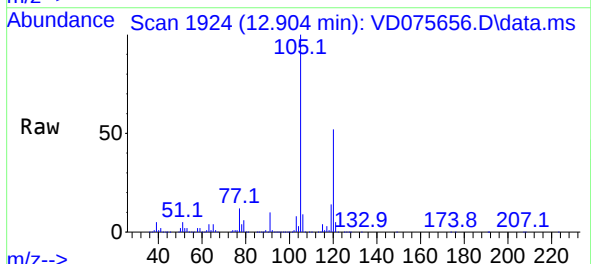
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

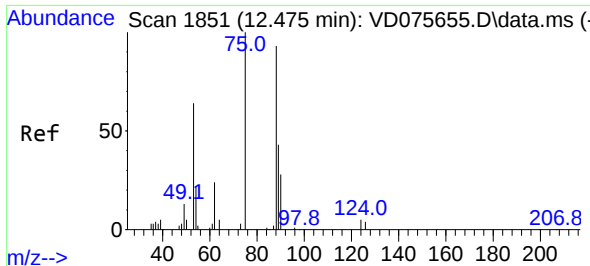
Tgt Ion: 91 Resp: 904003  
Ion Ratio Lower Upper  
91 100  
126 38.6 16.8 50.3



#80  
1,3,5-Trimethylbenzene  
Concen: 101.809 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:105 Resp: 1114739  
Ion Ratio Lower Upper  
105 100  
120 52.4 24.3 72.8

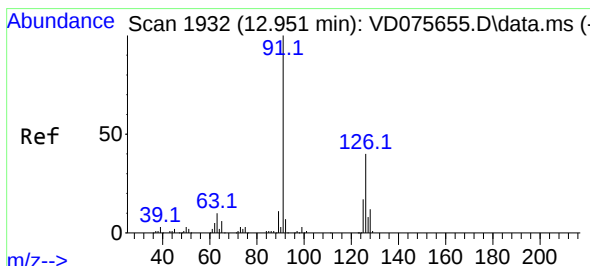
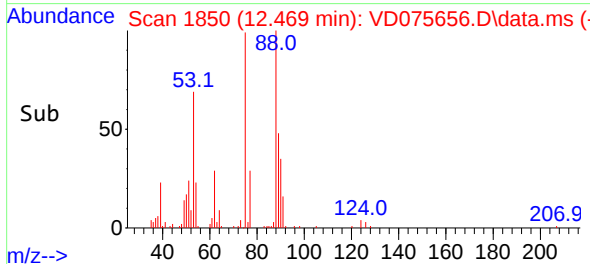
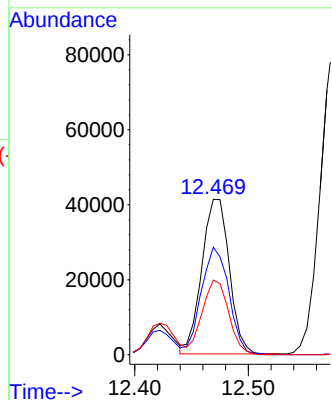
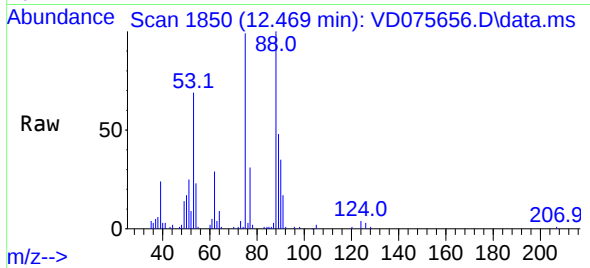




#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.144 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

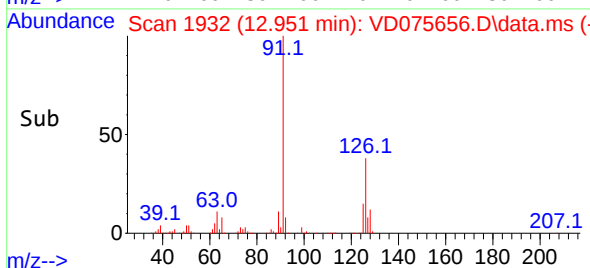
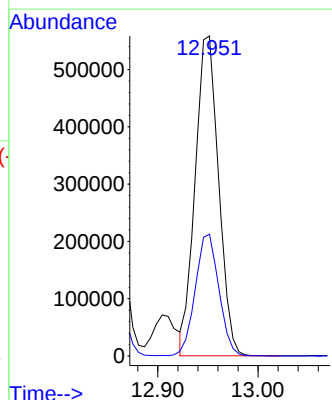
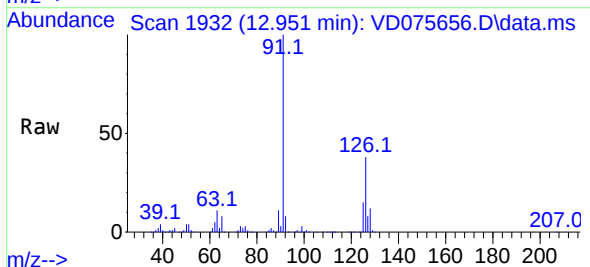
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

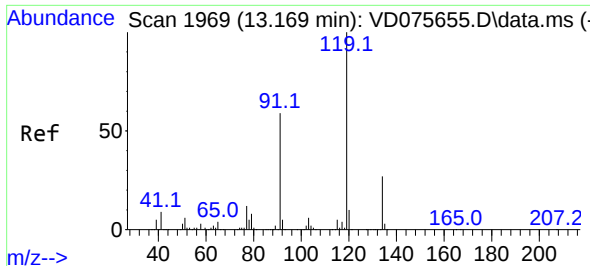
Tgt Ion: 75 Resp: 69382  
Ion Ratio Lower Upper  
75 100  
53 70.1 90.5 135.7#  
89 46.3 40.2 60.4



#82  
4-Chlorotoluene  
Concen: 95.672 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 91 Resp: 908381  
Ion Ratio Lower Upper  
91 100  
126 38.5 17.1 51.2

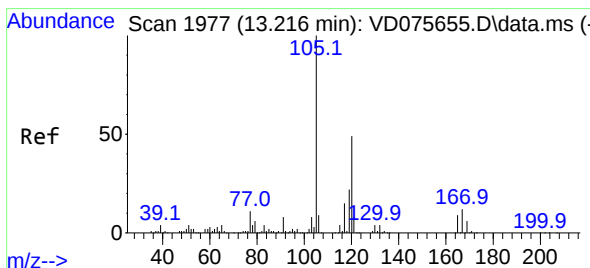
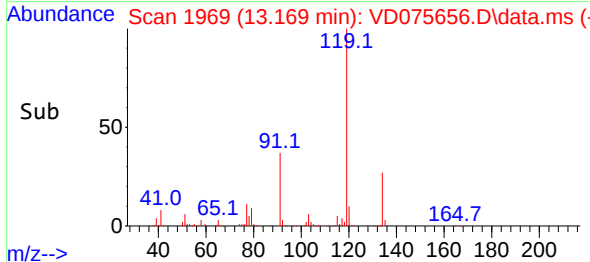
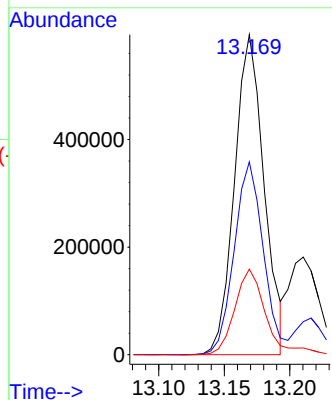
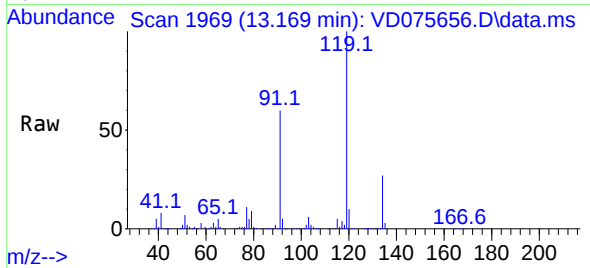




#83  
tert-Butylbenzene  
Concen: 101.099 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

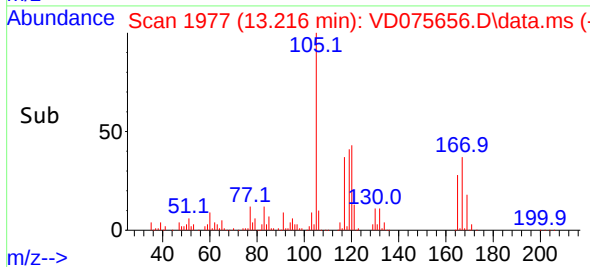
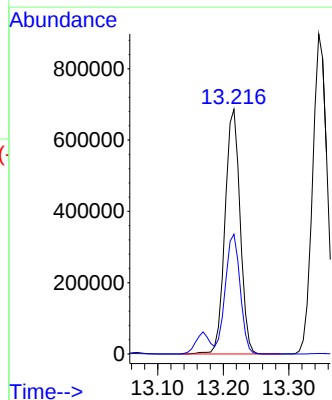
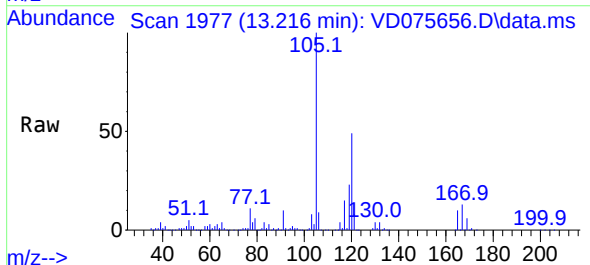
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

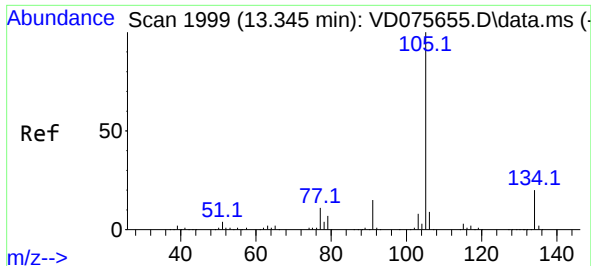
Tgt Ion:119 Resp: 933371  
Ion Ratio Lower Upper  
119 100  
91 59.7 32.4 97.0  
134 28.0 13.0 39.0



#84  
1,2,4-Trimethylbenzene  
Concen: 99.453 ug/l  
RT: 13.216 min Scan# 1977  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:105 Resp: 1092684  
Ion Ratio Lower Upper  
105 100  
120 48.2 22.3 66.9

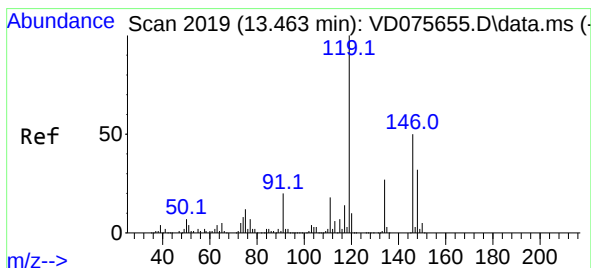
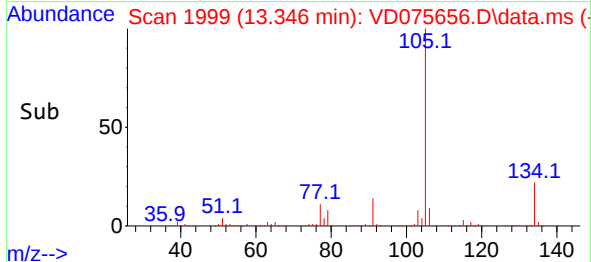
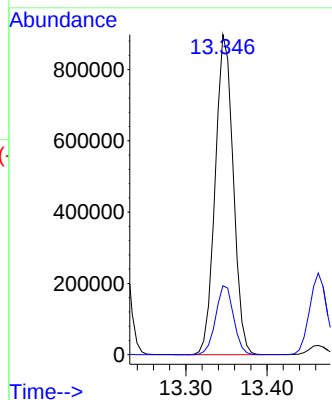
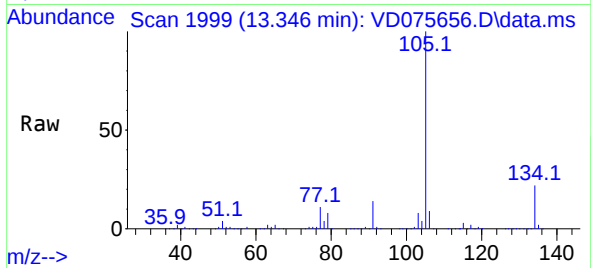




#85  
sec-Butylbenzene  
Concen: 97.292 ug/l  
RT: 13.346 min Scan# 1999  
Delta R.T. 0.001 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

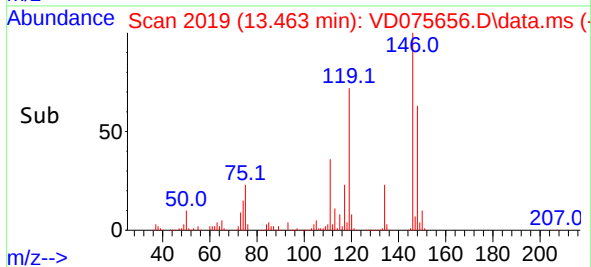
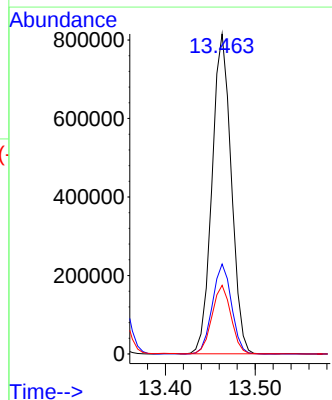
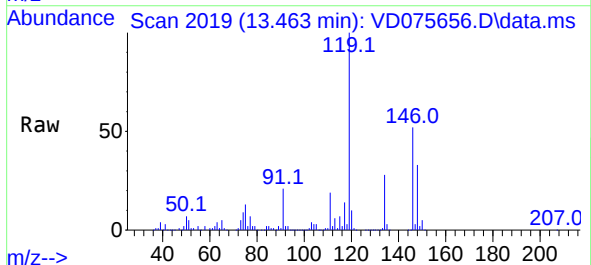
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

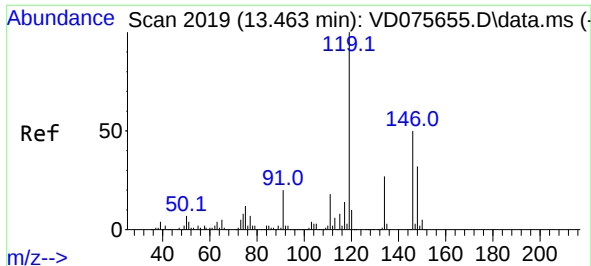
Tgt Ion:105 Resp: 1385697  
Ion Ratio Lower Upper  
105 100  
134 21.5 9.9 29.7



#86  
p-Isopropyltoluene  
Concen: 102.077 ug/l  
RT: 13.463 min Scan# 2019  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:119 Resp: 1210324  
Ion Ratio Lower Upper  
119 100  
134 28.1 13.1 39.3  
91 21.2 12.4 37.4

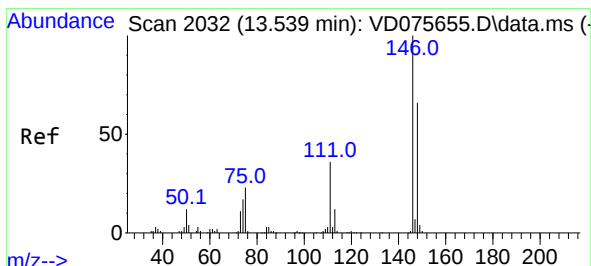
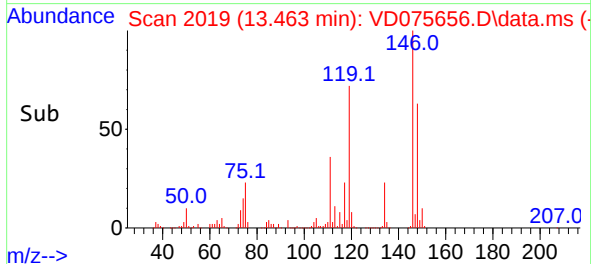
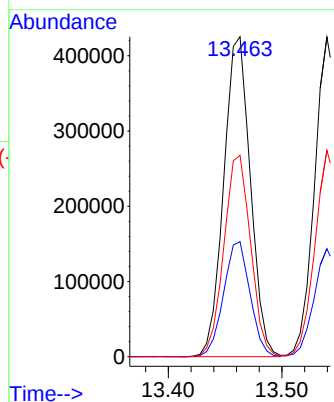
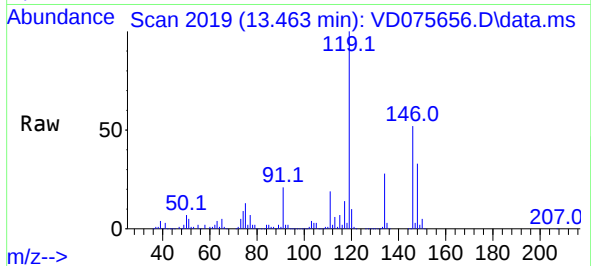




#87  
1,3-Dichlorobenzene  
Concen: 98.453 ug/l  
RT: 13.463 min Scan# 2019  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

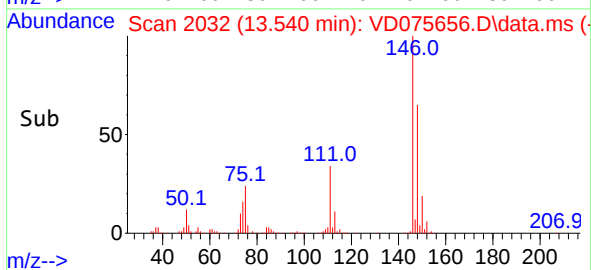
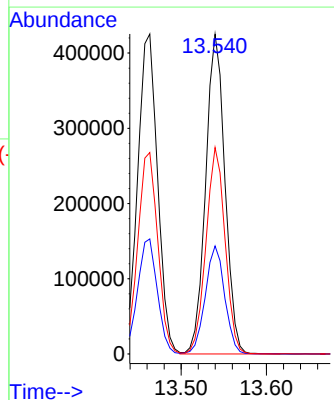
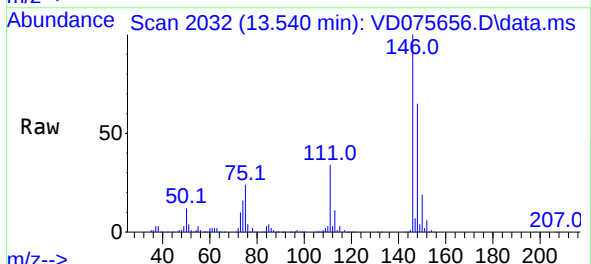
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

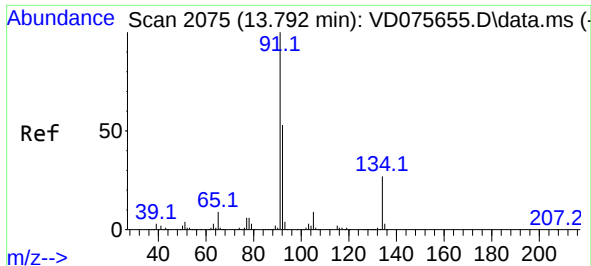
Tgt Ion:146 Resp: 693524  
Ion Ratio Lower Upper  
146 100  
111 35.7 19.8 59.3  
148 63.3 31.0 93.0



#88  
1,4-Dichlorobenzene  
Concen: 95.901 ug/l  
RT: 13.540 min Scan# 2032  
Delta R.T. 0.001 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:146 Resp: 667392  
Ion Ratio Lower Upper  
146 100  
111 33.9 19.6 58.8  
148 64.0 31.7 95.1

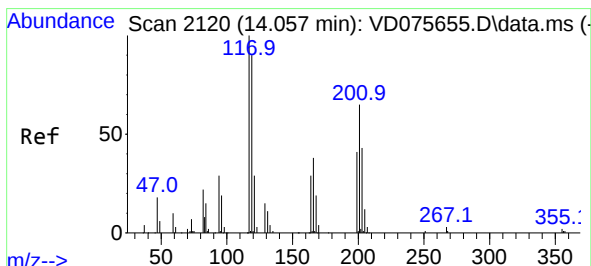
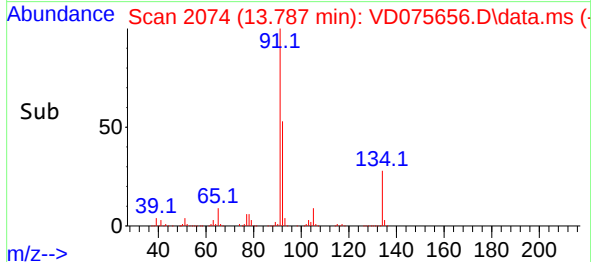
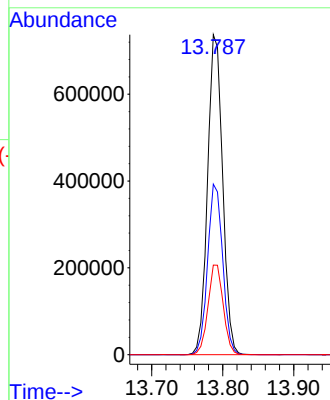
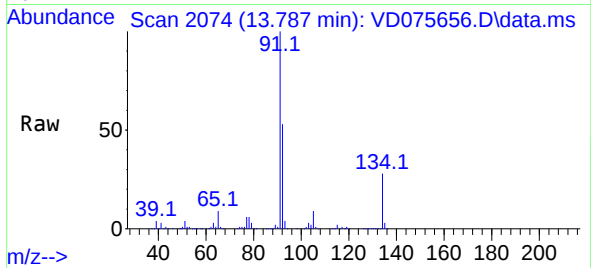




#89  
n-Butylbenzene  
Concen: 99.560 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. -0.005 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

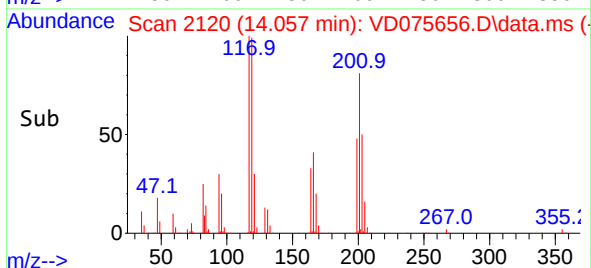
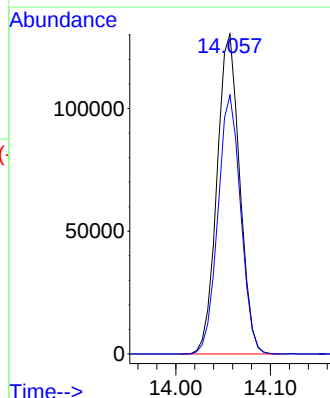
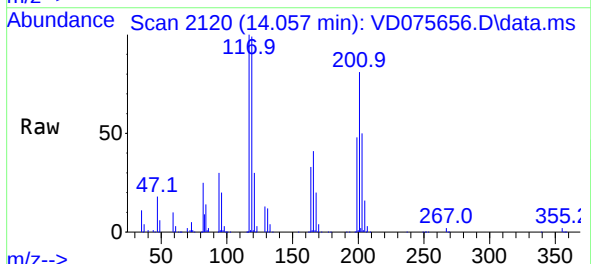
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

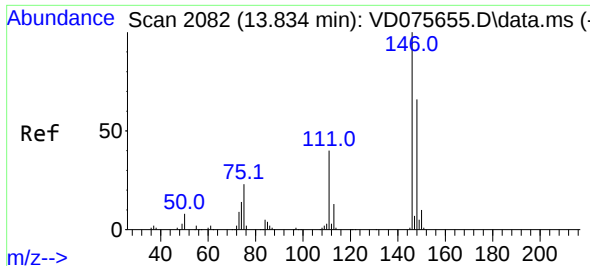
Tgt Ion: 91 Resp: 1087389  
Ion Ratio Lower Upper  
91 100  
92 53.4 26.2 78.5  
134 28.4 12.7 38.0



#90  
Hexachloroethane  
Concen: 92.369 ug/l  
RT: 14.057 min Scan# 2120  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 117 Resp: 217604  
Ion Ratio Lower Upper  
117 100  
201 81.0 34.5 103.6

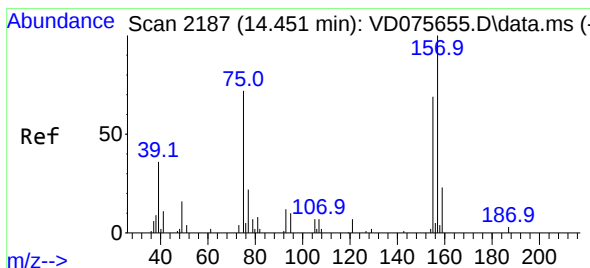
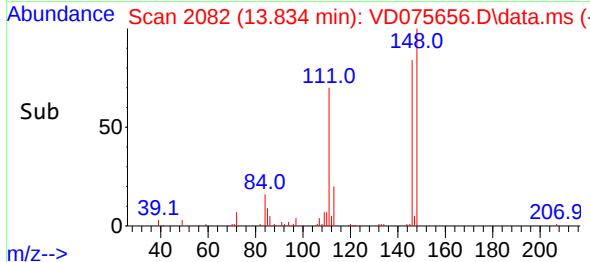
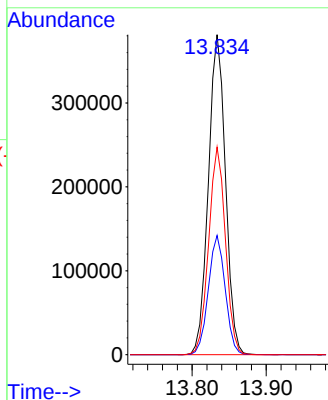
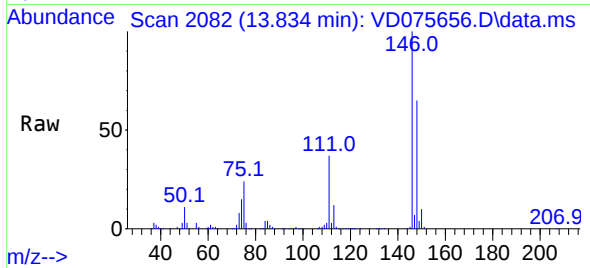




#91  
1,2-Dichlorobenzene  
Concen: 101.337 ug/l  
RT: 13.834 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

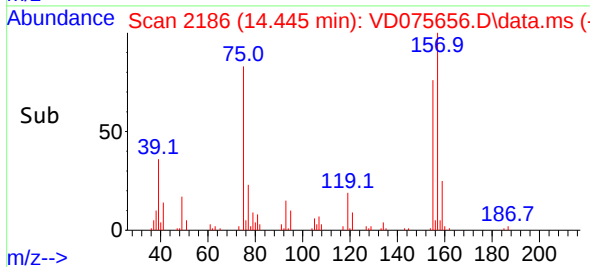
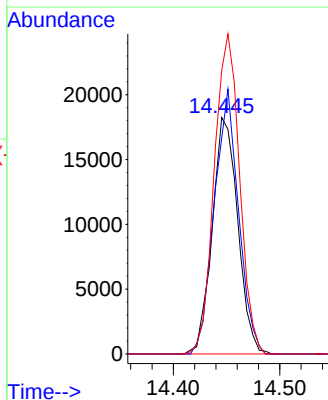
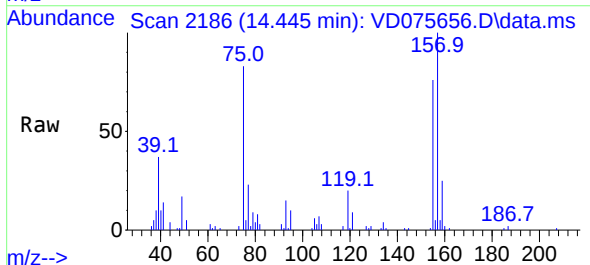
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

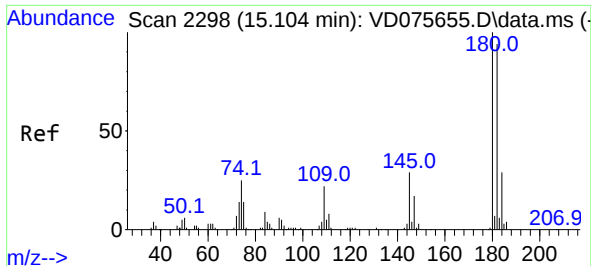
Tgt Ion:146 Resp: 611491  
Ion Ratio Lower Upper  
146 100  
111 36.7 20.6 61.8  
148 63.7 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 88.750 ug/l  
RT: 14.445 min Scan# 2186  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion: 75 Resp: 30355  
Ion Ratio Lower Upper  
75 100  
155 106.5 39.5 118.5  
157 134.0 53.5 160.7

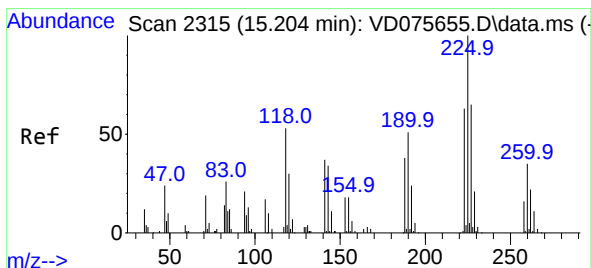
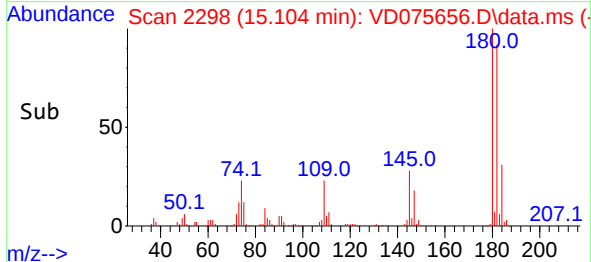
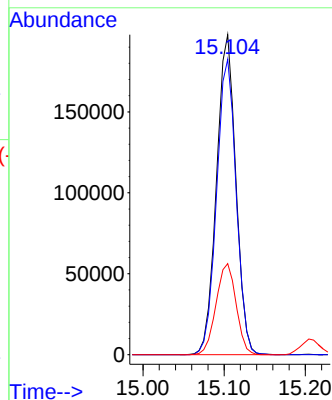
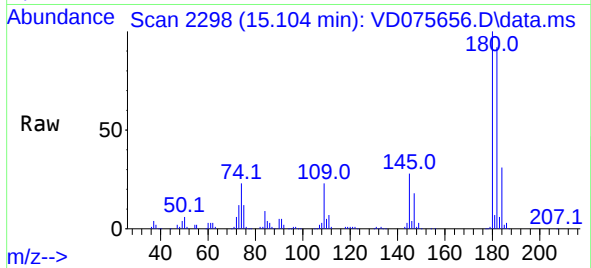




#93  
1,2,4-Trichlorobenzene  
Concen: 93.146 ug/l  
RT: 15.104 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

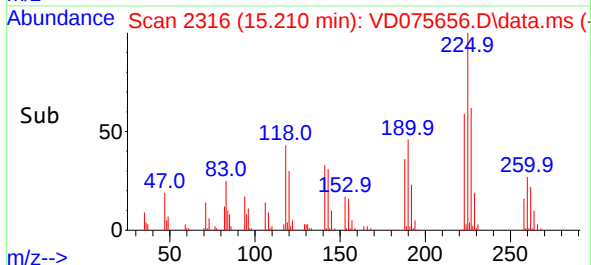
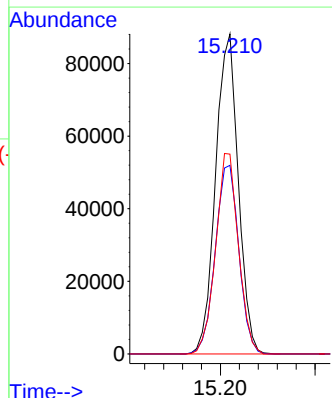
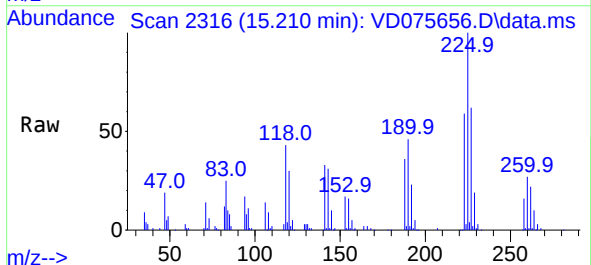
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

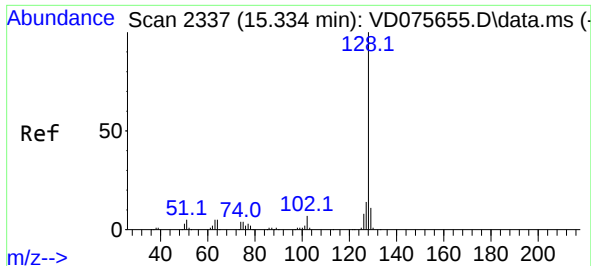
Tgt Ion:180 Resp: 326997  
Ion Ratio Lower Upper  
180 100  
182 93.5 47.9 143.7  
145 29.6 15.9 47.7



#94  
Hexachlorobutadiene  
Concen: 87.519 ug/l  
RT: 15.210 min Scan# 2316  
Delta R.T. 0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:225 Resp: 146850  
Ion Ratio Lower Upper  
225 100  
223 61.3 33.1 99.2  
227 62.7 31.9 95.9



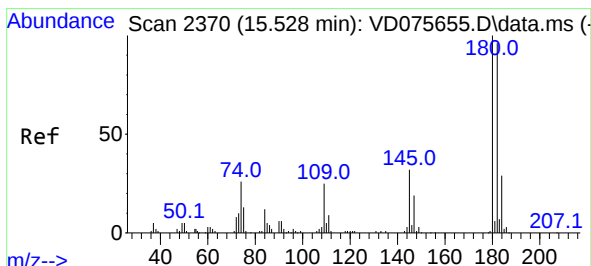
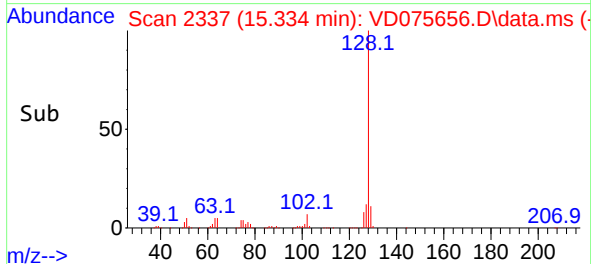
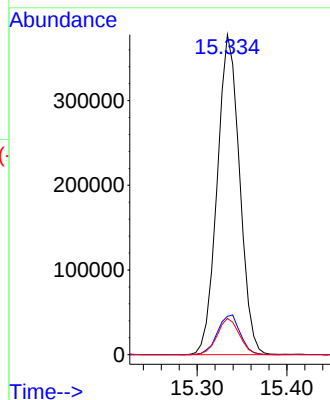
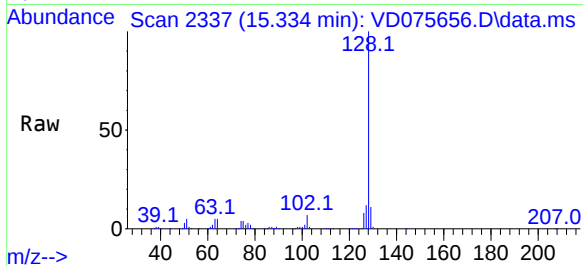


#95  
Naphthalene  
Concen: 98.619 ug/l  
RT: 15.334 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Tgt Ion:128 Resp: 655892

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.6  | 10.4  | 15.6  |
| 129 | 11.2  | 8.8   | 13.2  |



#96  
1,2,3-Trichlorobenzene  
Concen: 92.546 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.006 min  
Lab File: VD075656.D  
Acq: 13 Apr 2023 12:18

Tgt Ion:180 Resp: 285958

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 93.9  | 47.7  | 143.1 |
| 145 | 31.0  | 16.4  | 49.4  |

