

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053023\  
 Data File : VD076280.D  
 Acq On : 30 May 2023 18:00  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 31 02:21:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 10:08:53 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.869  | 168   | 136113   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775  | 114   | 249357   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 252802   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522 | 152   | 142047   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.228  | 65    | 81288    | 61.793   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 123.580% |          |
| 35) Dibromofluoromethane     | 7.805  | 113   | 94157    | 54.628   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 109.260% |          |
| 50) Toluene-d8               | 10.269 | 98    | 324574   | 48.307   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | = 96.620%  |          |
| 62) 4-Bromofluorobenzene     | 12.575 | 95    | 103195   | 55.289   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | = 110.580% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.928  | 85    | 52953    | 43.136   | ug/l       | 100      |
| 3) Chloromethane             | 2.146  | 50    | 122652   | 61.893   | ug/l       | 98       |
| 4) Vinyl Chloride            | 2.275  | 62    | 147838   | 55.841   | ug/l       | 99       |
| 5) Bromomethane              | 2.675  | 94    | 89548    | 50.240   | ug/l       | 97       |
| 6) Chloroethane              | 2.828  | 64    | 107771   | 60.506   | ug/l       | 95       |
| 7) Trichlorofluoromethane    | 3.164  | 101   | 108666   | 48.425   | ug/l       | 99       |
| 8) Diethyl Ether             | 3.587  | 74    | 47018    | 63.714   | ug/l       | 77       |
| 9) 1,1,2-Trichlorotrifluo... | 3.958  | 101   | 74176    | 50.183   | ug/l       | 95       |
| 10) Methyl Iodide            | 4.158  | 142   | 95570    | 62.184   | ug/l #     | 89       |
| 11) Tert butyl alcohol       | 5.064  | 59    | 27328    | 392.715  | ug/l #     | 100      |
| 12) 1,1-Dichloroethene       | 3.928  | 96    | 73237    | 49.784   | ug/l       | 92       |
| 13) Acrolein                 | 3.799  | 56    | 40934    | 240.350  | ug/l       | 95       |
| 14) Allyl chloride           | 4.552  | 41    | 82371    | 55.171   | ug/l #     | 79       |
| 15) Acrylonitrile            | 5.258  | 53    | 114852   | 375.885  | ug/l       | 96       |
| 16) Acetone                  | 4.022  | 43    | 89903    | 343.489  | ug/l #     | 75       |
| 17) Carbon Disulfide         | 4.258  | 76    | 182503   | 45.589   | ug/l       | 100      |
| 18) Methyl Acetate           | 4.558  | 43    | 68925    | 73.823   | ug/l #     | 79       |
| 19) Methyl tert-butyl Ether  | 5.316  | 73    | 208206   | 72.310   | ug/l       | 98       |
| 20) Methylene Chloride       | 4.799  | 84    | 138876   | 72.482   | ug/l #     | 76       |
| 21) trans-1,2-Dichloroethene | 5.305  | 96    | 91150    | 53.761   | ug/l #     | 78       |
| 22) Diisopropyl ether        | 6.216  | 45    | 238217   | 68.740   | ug/l #     | 90       |
| 23) Vinyl Acetate            | 6.152  | 43    | 593708   | 435.717  | ug/l #     | 89       |
| 24) 1,1-Dichloroethane       | 6.105  | 63    | 160945   | 58.888   | ug/l       | 98       |
| 25) 2-Butanone               | 7.081  | 43    | 124478   | 378.242  | ug/l #     | 80       |
| 26) 2,2-Dichloropropane      | 7.075  | 77    | 124388   | 55.816   | ug/l       | 93       |
| 27) cis-1,2-Dichloroethene   | 7.075  | 96    | 115143   | 61.199   | ug/l       | 84       |
| 28) Bromochloromethane       | 7.428  | 49    | 57515    | 63.113   | ug/l #     | 63       |
| 29) Tetrahydrofuran          | 7.446  | 42    | 75698    | 394.636  | ug/l #     | 67       |
| 30) Chloroform               | 7.593  | 83    | 181497   | 62.099   | ug/l       | 98       |
| 31) Cyclohexane              | 7.875  | 56    | 90981    | 45.158   | ug/l       | 89       |
| 32) 1,1,1-Trichloroethane    | 7.793  | 97    | 126041   | 54.114   | ug/l       | 97       |
| 36) 1,1-Dichloropropene      | 8.005  | 75    | 109786   | 47.163   | ug/l       | 96       |
| 37) Ethyl Acetate            | 7.169  | 43    | 55543    | 68.905   | ug/l #     | 84       |
| 38) Carbon Tetrachloride     | 7.987  | 117   | 98369    | 46.784   | ug/l       | 94       |
| 39) Methylcyclohexane        | 9.269  | 83    | 110891   | 41.377   | ug/l       | 93       |
| 40) Benzene                  | 8.246  | 78    | 379889   | 50.760   | ug/l       | 98       |

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 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 31 02:21:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 10:08:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.393  | 41   | 28823    | 65.212   | ug/l # | 67       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 105101   | 59.373   | ug/l   | 90       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 96600    | 64.153   | ug/l # | 84       |
| 44) Trichloroethene           | 9.022  | 130  | 97706    | 46.325   | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 103202   | 55.906   | ug/l   | 89       |
| 46) Dibromomethane            | 9.393  | 93   | 61849    | 59.773   | ug/l   | 90       |
| 47) Bromodichloromethane      | 9.581  | 83   | 142447   | 57.281   | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.381  | 41   | 44028    | 66.065   | ug/l # | 63       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 16175    | 1461.820 | ug/l # | 76       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 273782   | 341.868  | ug/l # | 80       |
| 52) Toluene                   | 10.334 | 92   | 245938   | 52.616   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 135041   | 60.251   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 162212   | 59.304   | ug/l # | 76       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 93711    | 63.155   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 99211    | 66.519   | ug/l # | 70       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 144356   | 62.010   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 221692   | 309.795  | ug/l   | 91       |
| 59) 2-Hexanone                | 10.922 | 43   | 196099   | 347.216  | ug/l   | 77       |
| 60) Dibromochloromethane      | 11.075 | 129  | 105754   | 63.385   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 83345    | 63.143   | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.810 | 164  | 80647    | 41.486   | ug/l   | 93       |
| 65) Chlorobenzene             | 11.604 | 112  | 284354   | 49.408   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 102335   | 51.669   | ug/l   | 93       |
| 67) Ethyl Benzene             | 11.687 | 91   | 439386   | 47.778   | ug/l   | 94       |
| 68) m/p-Xylenes               | 11.793 | 106  | 373972   | 99.498   | ug/l   | 89       |
| 69) o-Xylene                  | 12.122 | 106  | 174232   | 50.803   | ug/l   | 92       |
| 70) Styrene                   | 12.134 | 104  | 322721   | 54.275   | ug/l   | 94       |
| 71) Bromoform                 | 12.298 | 173  | 63959    | 57.411   | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.422 | 105  | 418181   | 44.503   | ug/l   | 97       |
| 74) N-amyl acetate            | 12.234 | 43   | 91350    | 54.579   | ug/l # | 78       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 110892   | 54.909   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 123455   | 99.318   | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 126986   | 50.420   | ug/l   | 88       |
| 78) n-propylbenzene           | 12.763 | 91   | 517849   | 44.275   | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 294184   | 45.446   | ug/l   | 89       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 358854   | 46.068   | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 32345    | 54.588   | ug/l # | 72       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 319303   | 46.374   | ug/l   | 92       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 292034   | 44.360   | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 373572   | 48.155   | ug/l   | 92       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 448038   | 43.670   | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 385662   | 45.940   | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 247529   | 48.609   | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 246483   | 48.884   | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.787 | 91   | 346376   | 43.783   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.057 | 117  | 74179    | 42.958   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 226264   | 50.632   | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 14312    | 54.579   | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 125075   | 48.117   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 53746    | 40.552   | ug/l   | 98       |
| 95) Naphthalene               | 15.334 | 128  | 270689   | 56.045   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 115368   | 48.801   | ug/l   | 96       |

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Operator : KP/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

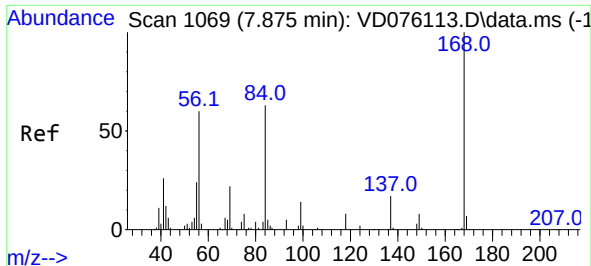
Quant Time: May 31 02:21:17 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 10:08:53 2023  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
Quant Title : SW846 8260  
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Response via : Initial Calibration

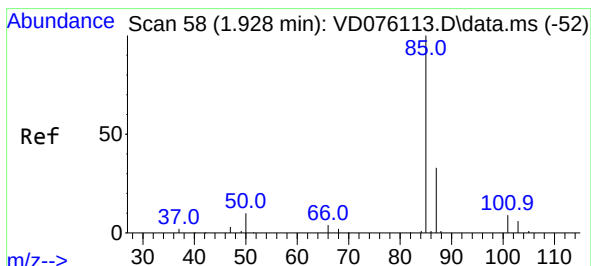
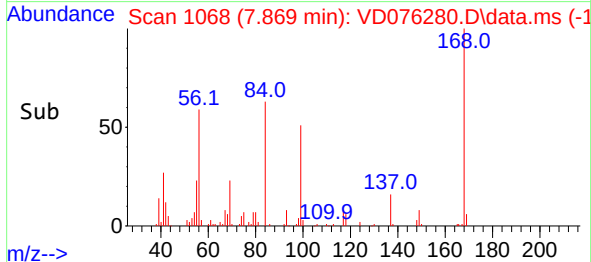
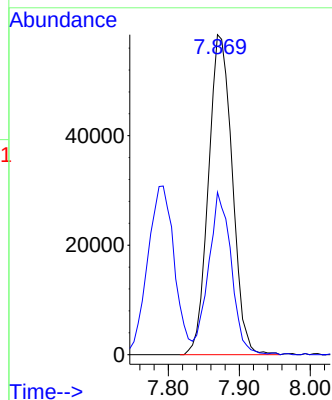
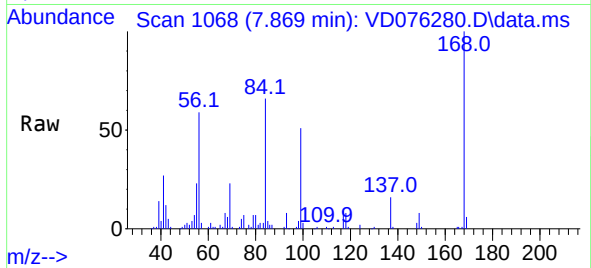




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.869 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

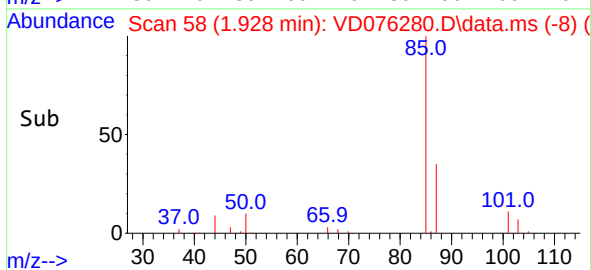
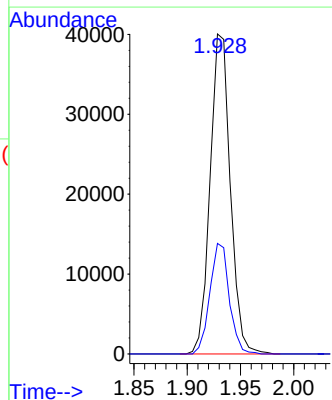
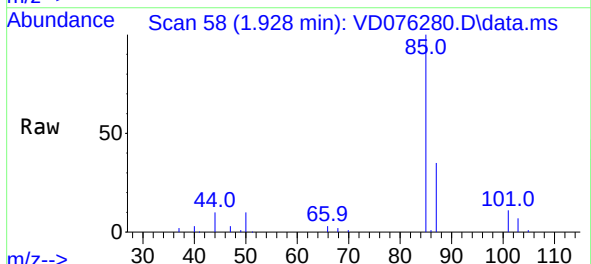
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

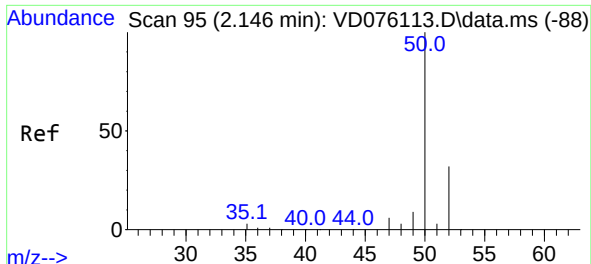
Tgt Ion:168 Resp: 136113  
Ion Ratio Lower Upper  
168 100  
99 50.8 43.8 65.6



#2  
Dichlorodifluoromethane  
Concen: 43.136 ug/l  
RT: 1.928 min Scan# 58  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 85 Resp: 52953  
Ion Ratio Lower Upper  
85 100  
87 34.6 17.3 51.7

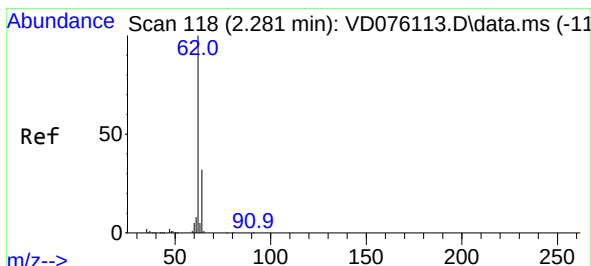
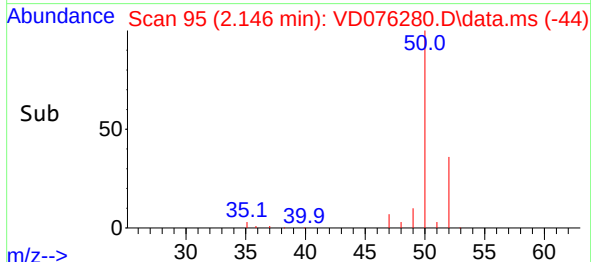
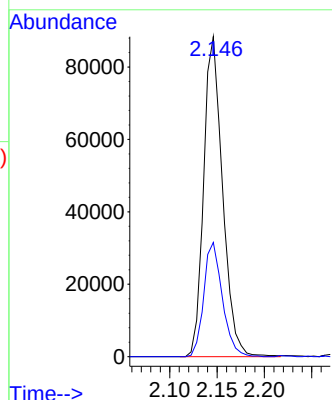
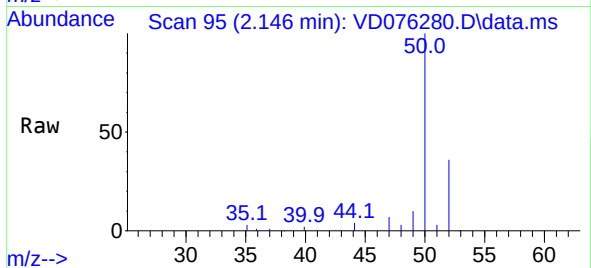




#3  
Chloromethane  
Concen: 61.893 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

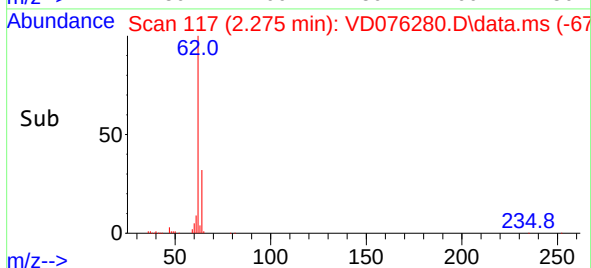
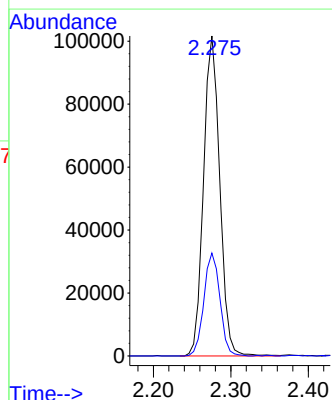
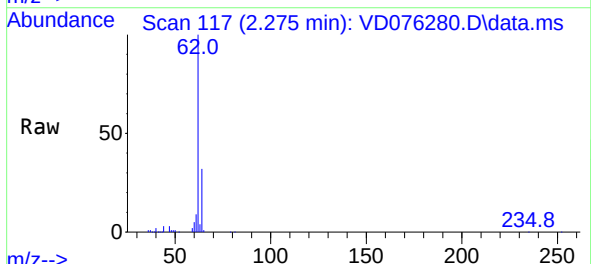
Instrument :  
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ClientSampleId :  
VSTDCCC050EC

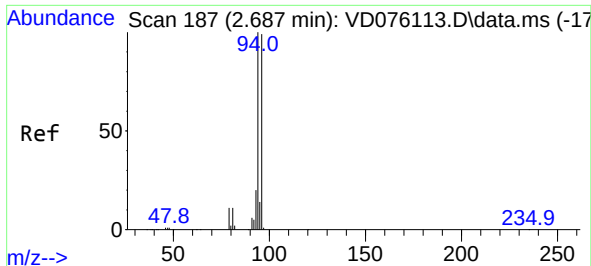
Tgt Ion: 50 Resp: 122652  
Ion Ratio Lower Upper  
50 100  
52 35.7 27.8 41.8



#4  
Vinyl Chloride  
Concen: 55.841 ug/l  
RT: 2.275 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 62 Resp: 147838  
Ion Ratio Lower Upper  
62 100  
64 32.2 25.4 38.0

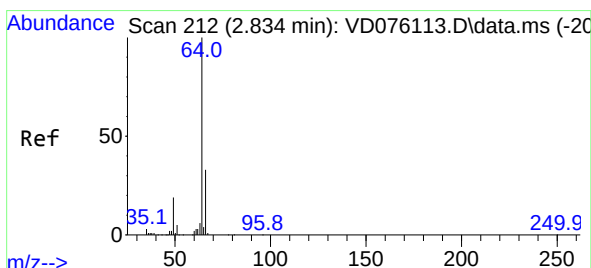
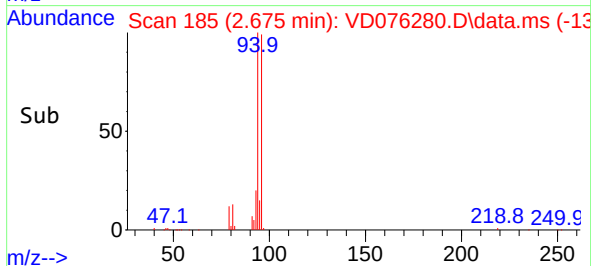
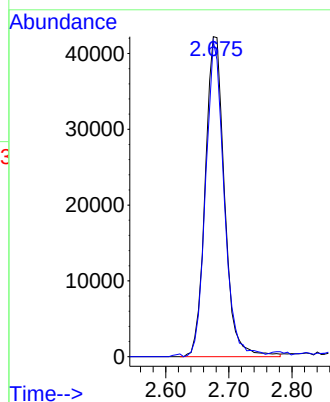
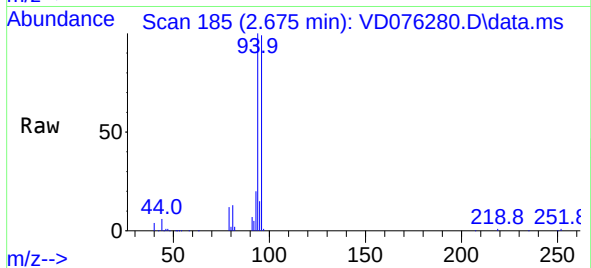




#5  
Bromomethane  
Concen: 50.240 ug/l  
RT: 2.675 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

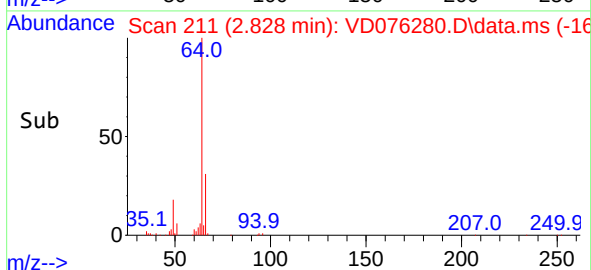
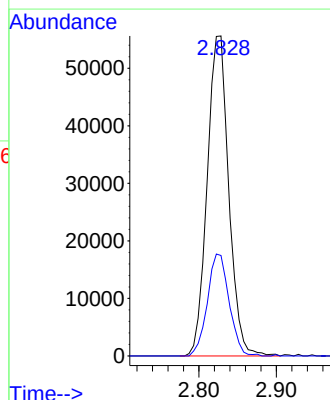
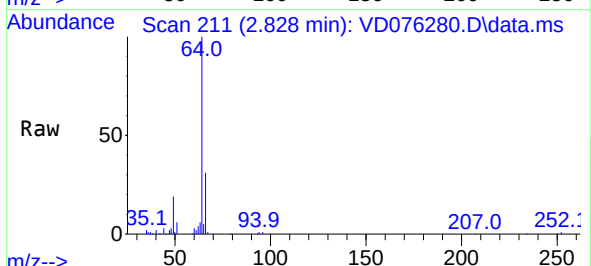
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

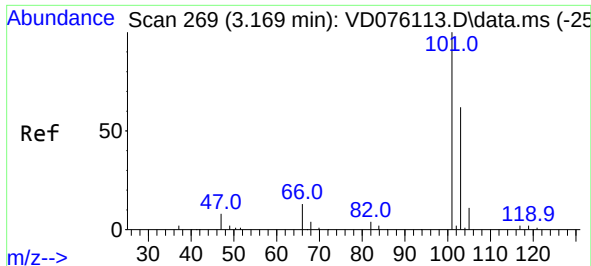
Tgt Ion: 94 Resp: 89548  
Ion Ratio Lower Upper  
94 100  
96 94.4 77.5 116.3



#6  
Chloroethane  
Concen: 60.506 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 64 Resp: 107771  
Ion Ratio Lower Upper  
64 100  
66 31.4 27.7 41.5

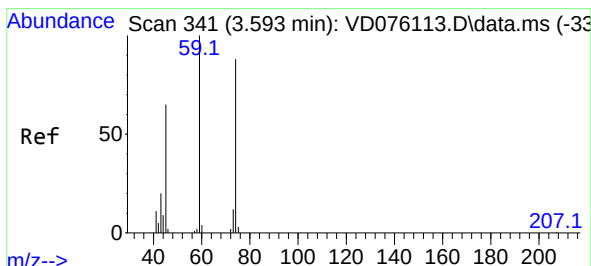
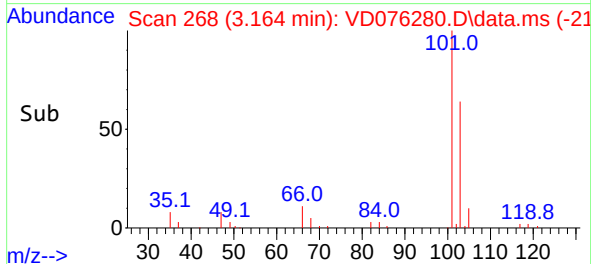
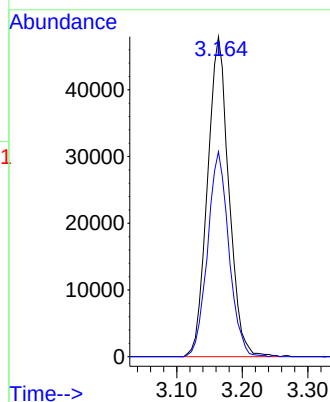
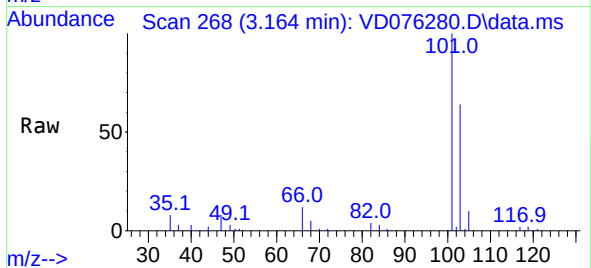




#7  
Trichlorofluoromethane  
Concen: 48.425 ug/l  
RT: 3.164 min Scan# 20  
Delta R.T. -0.005 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

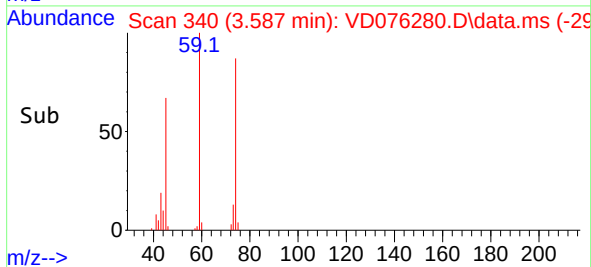
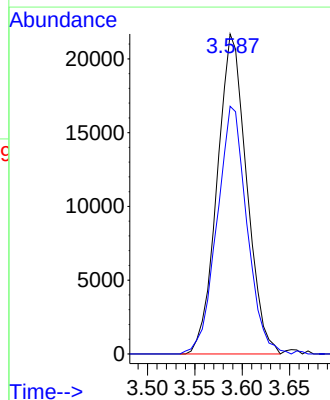
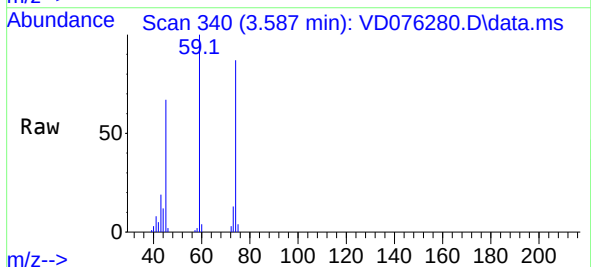
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 108666  
Ion Ratio Lower Upper  
101 100  
103 64.1 51.9 77.9

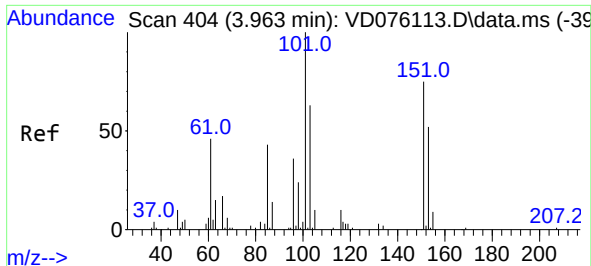


#8  
Diethyl Ether  
Concen: 63.714 ug/l  
RT: 3.587 min Scan# 340  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 74 Resp: 47018  
Ion Ratio Lower Upper  
74 100  
45 78.5 50.9 152.7



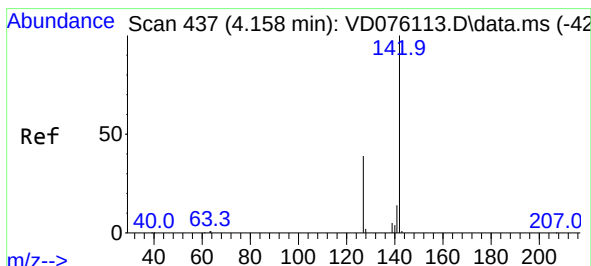
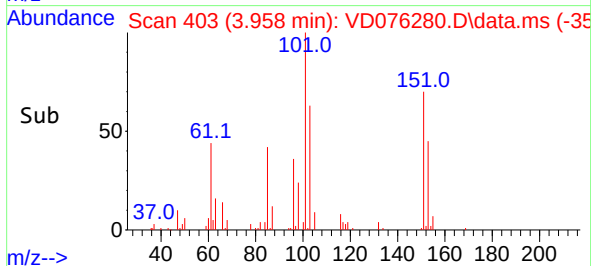
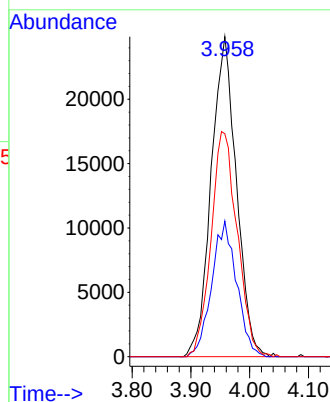
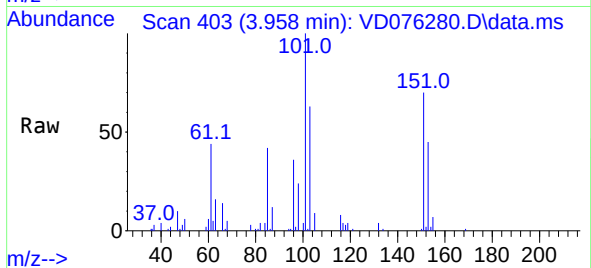




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.183 ug/l  
RT: 3.958 min Scan# 404  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

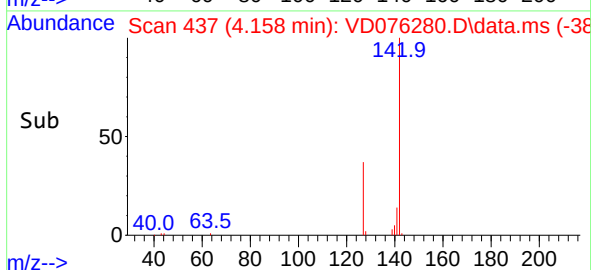
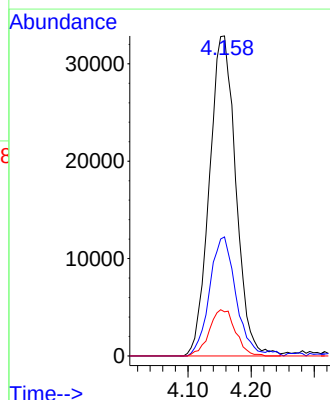
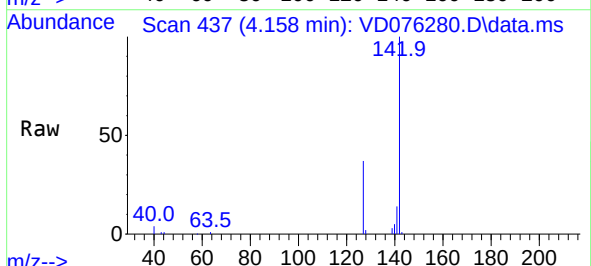
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

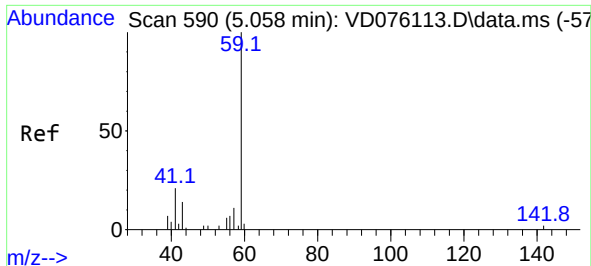
Tgt Ion:101 Resp: 74176  
Ion Ratio Lower Upper  
101 100  
85 41.9 38.3 57.5  
151 72.9 60.4 90.6



#10  
Methyl Iodide  
Concen: 62.184 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion:142 Resp: 95570  
Ion Ratio Lower Upper  
142 100  
127 36.9 37.1 55.7#  
141 14.3 11.3 16.9

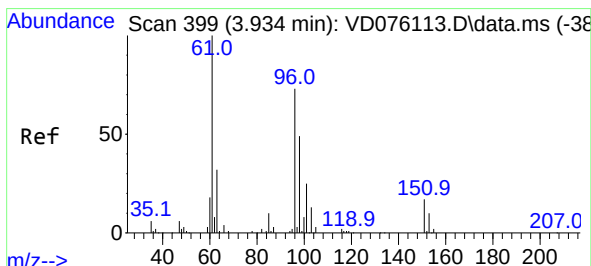
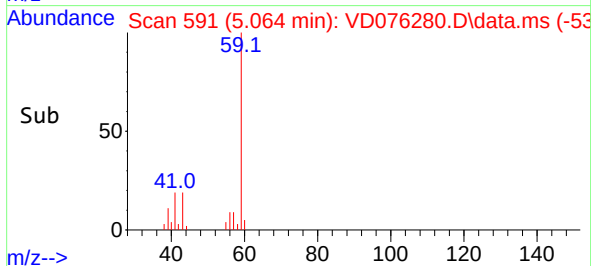
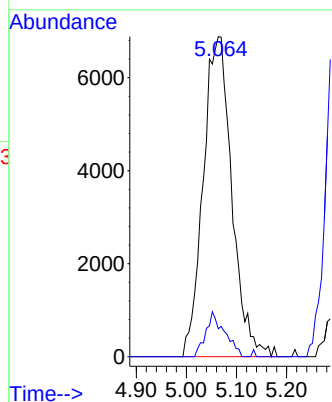
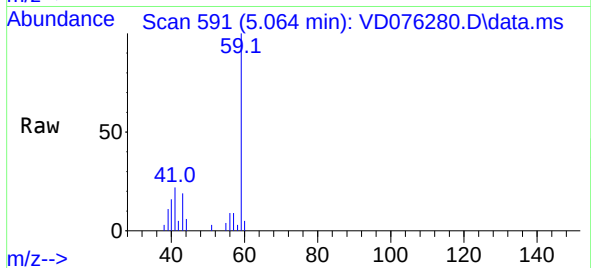




#11  
Tert butyl alcohol  
Concen: 392.715 ug/l  
RT: 5.064 min Scan# 591  
Delta R.T. 0.012 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

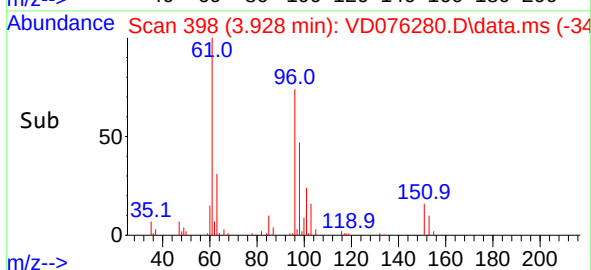
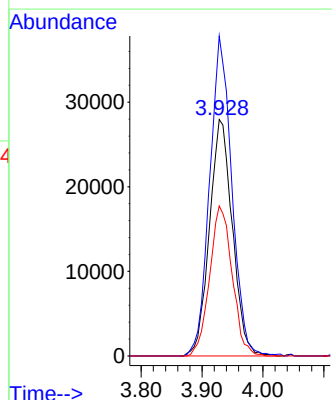
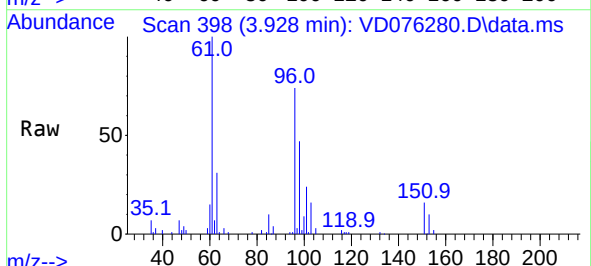
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 59 Resp: 27328  
Ion Ratio Lower Upper  
59 100  
57 9.2 0.0 0.0#

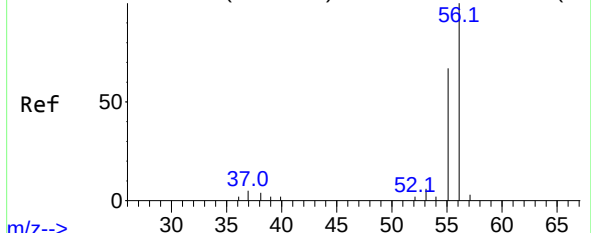


#12  
1,1-Dichloroethene  
Concen: 49.784 ug/l  
RT: 3.928 min Scan# 398  
Delta R.T. -0.012 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 96 Resp: 73237  
Ion Ratio Lower Upper  
96 100  
61 135.3 118.6 177.8  
98 63.5 49.7 74.5



Abundance Scan 375 (3.793 min): VD076113.D\data.ms (-36



#13

Acrolein

Concen: 240.350 ug/l

RT: 3.799 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD076280.D

Acq: 30 May 2023 18:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

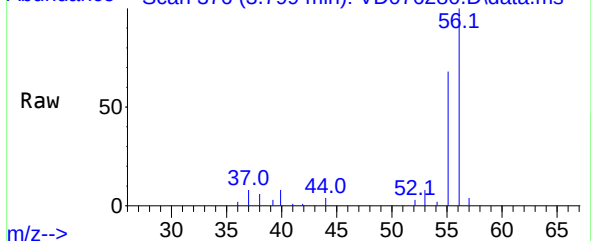
Tgt Ion: 56 Resp: 40934

Ion Ratio Lower Upper

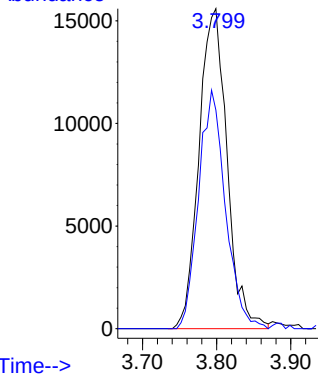
56 100

55 71.5 53.9 80.9

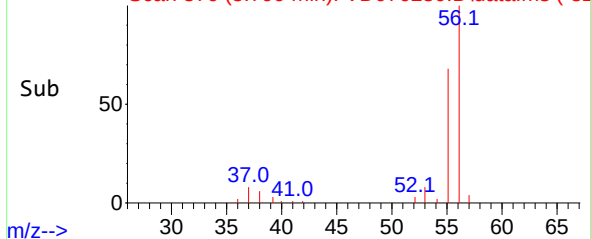
Abundance Scan 376 (3.799 min): VD076280.D\data.ms



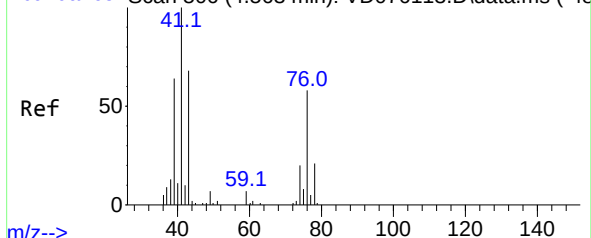
Abundance



Abundance Scan 376 (3.799 min): VD076280.D\data.ms (-32



Abundance Scan 506 (4.563 min): VD076113.D\data.ms (-48



#14

Allyl chloride

Concen: 55.171 ug/l

RT: 4.552 min Scan# 504

Delta R.T. -0.011 min

Lab File: VD076280.D

Acq: 30 May 2023 18:00

Tgt Ion: 41 Resp: 82371

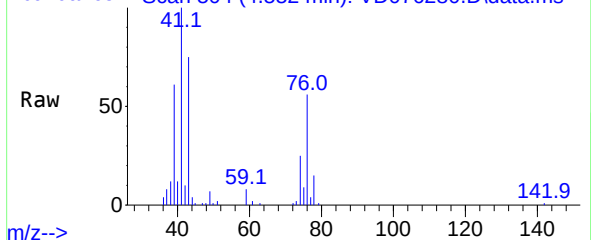
Ion Ratio Lower Upper

41 100

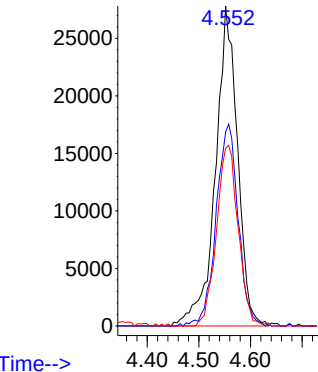
39 63.0 60.6 90.8

76 55.5 28.6 43.0#

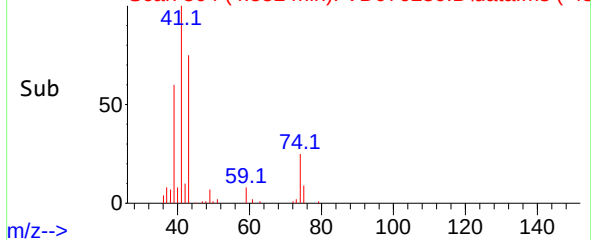
Abundance Scan 504 (4.552 min): VD076280.D\data.ms

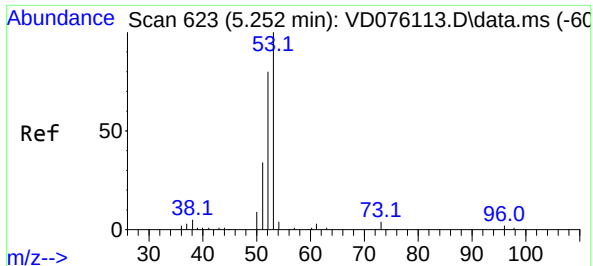


Abundance



Abundance Scan 504 (4.552 min): VD076280.D\data.ms (-45

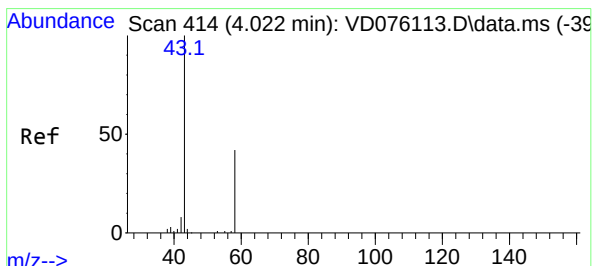
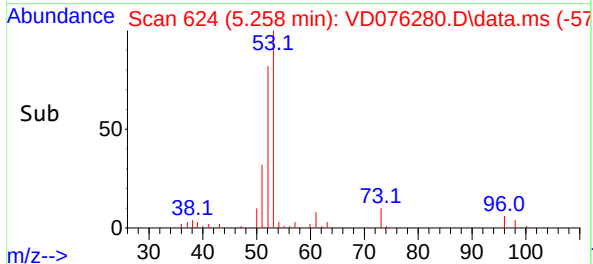
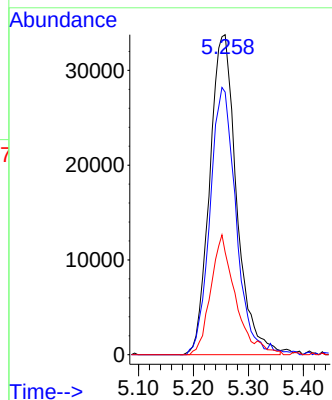
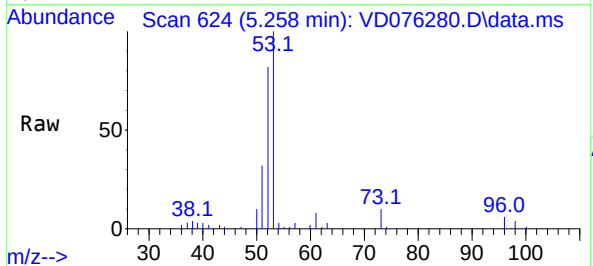




#15  
Acrylonitrile  
Concen: 375.885 ug/l  
RT: 5.258 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

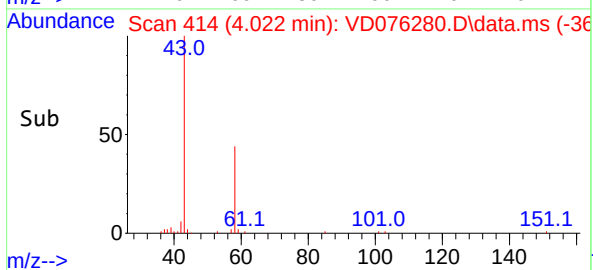
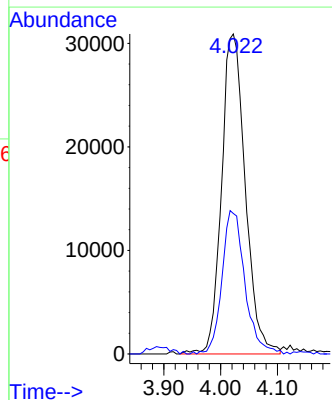
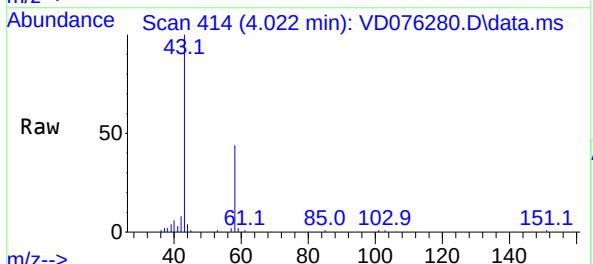
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

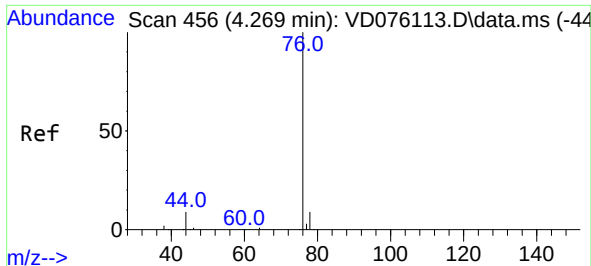
Tgt Ion: 53 Resp: 114852  
Ion Ratio Lower Upper  
53 100  
52 79.8 66.2 99.4  
51 34.6 30.7 46.1



#16  
Acetone  
Concen: 343.489 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 43 Resp: 89903  
Ion Ratio Lower Upper  
43 100  
58 43.9 24.4 36.6#

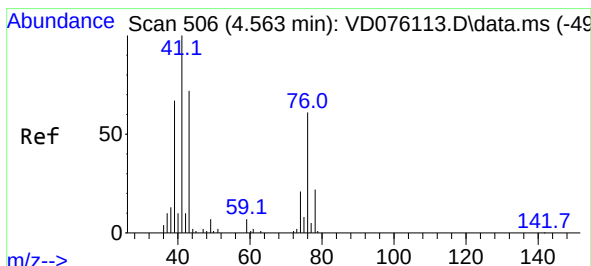
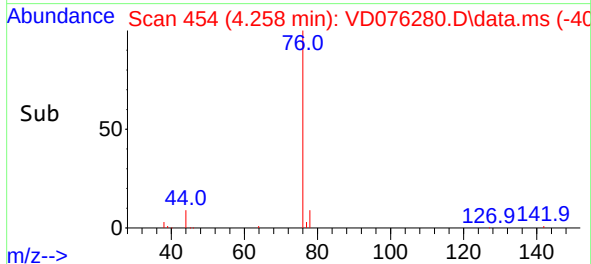
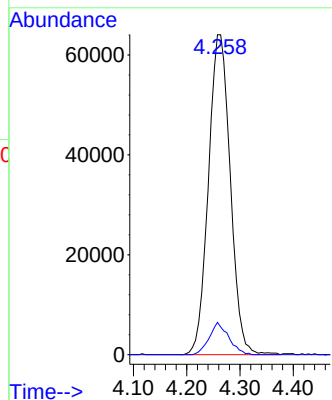
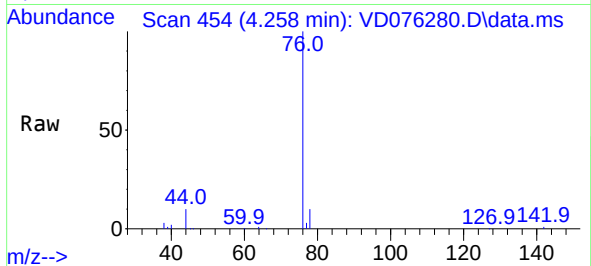




#17  
Carbon Disulfide  
Concen: 45.589 ug/l  
RT: 4.258 min Scan# 41  
Delta R.T. -0.011 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

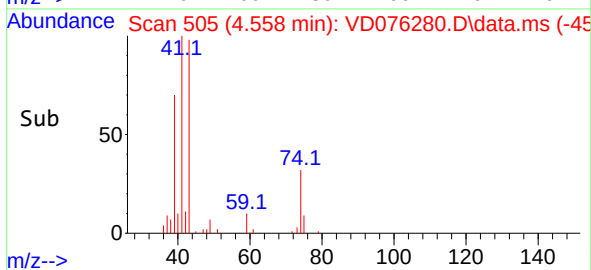
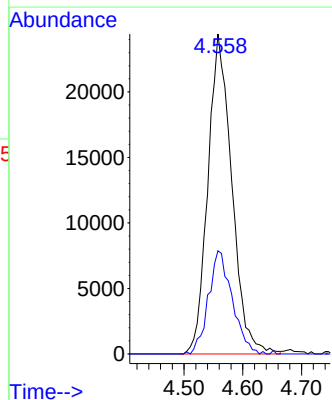
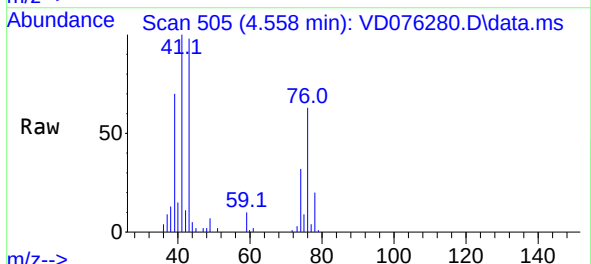
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

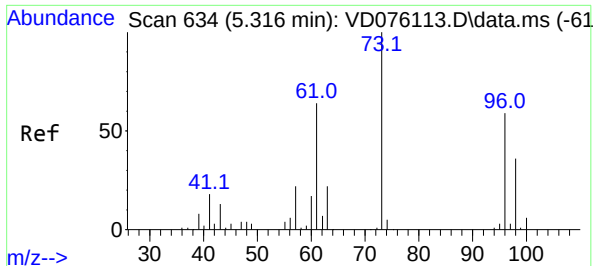
Tgt Ion: 76 Resp: 182503  
Ion Ratio Lower Upper  
76 100  
78 10.1 8.0 12.0



#18  
Methyl Acetate  
Concen: 73.823 ug/l  
RT: 4.558 min Scan# 505  
Delta R.T. -0.005 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 43 Resp: 68925  
Ion Ratio Lower Upper  
43 100  
74 32.0 17.8 26.6#





#19

Methyl tert-butyl Ether

Concen: 72.310 ug/l

RT: 5.316 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD076280.D

Acq: 30 May 2023 18:00

Instrument :

MSVOA\_D

ClientSampleId :

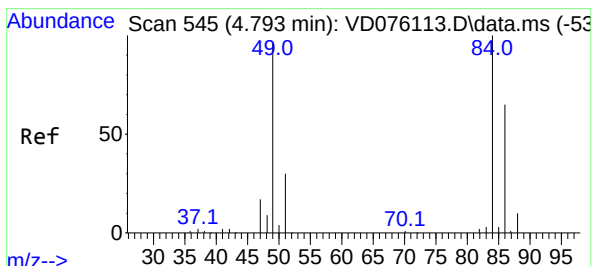
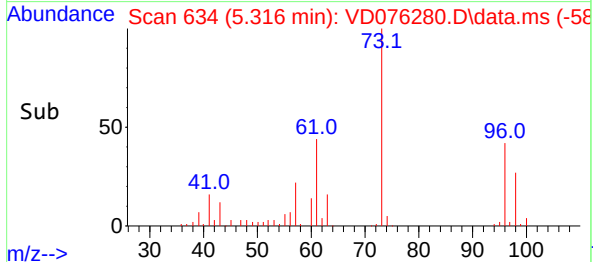
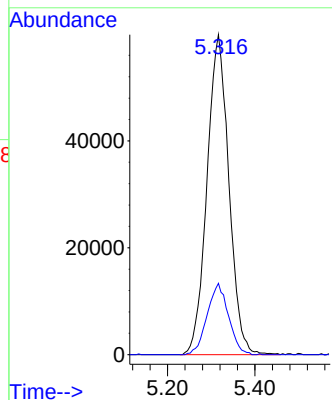
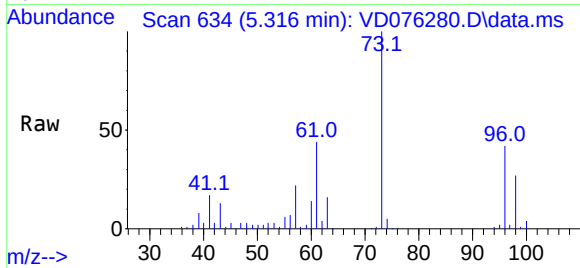
VSTDCCC050EC

Tgt Ion: 73 Resp: 208206

Ion Ratio Lower Upper

73 100

57 22.3 17.2 25.8



#20

Methylene Chloride

Concen: 72.482 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD076280.D

Acq: 30 May 2023 18:00

Tgt Ion: 84 Resp: 138876

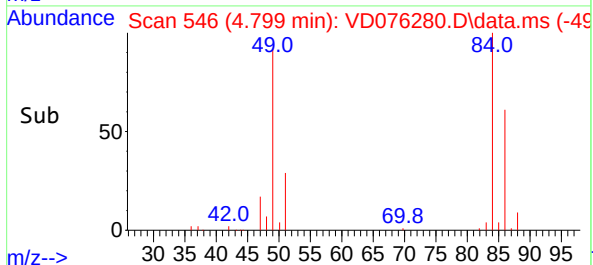
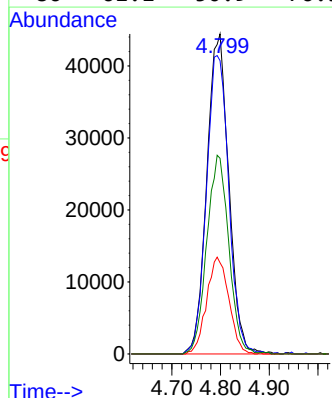
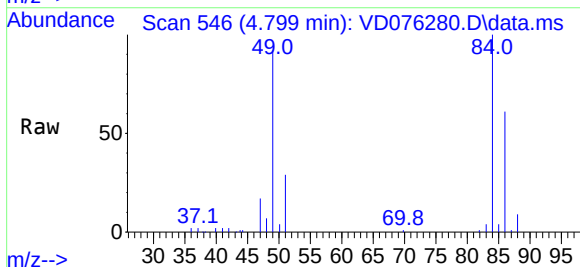
Ion Ratio Lower Upper

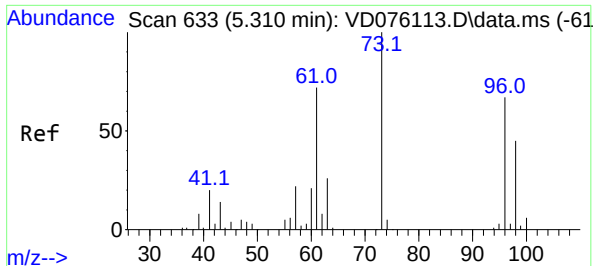
84 100

49 91.6 106.4 159.6#

51 28.5 32.4 48.6#

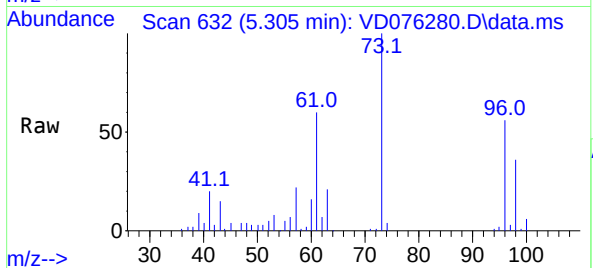
86 61.1 50.9 76.3



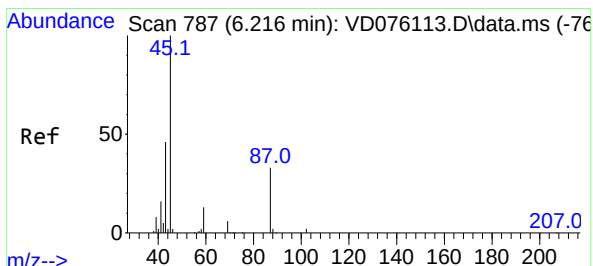
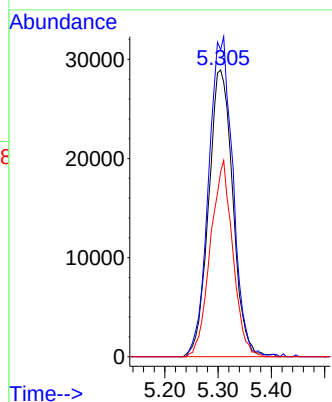
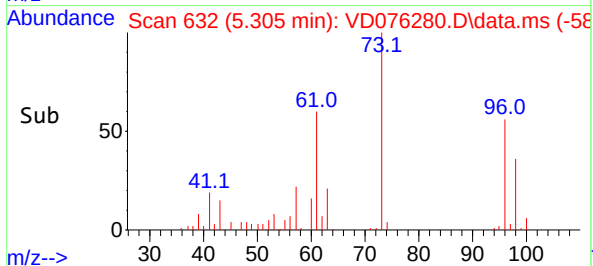


#21  
trans-1,2-Dichloroethene  
Concen: 53.761 ug/l  
RT: 5.305 min Scan# 611  
Delta R.T. -0.011 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

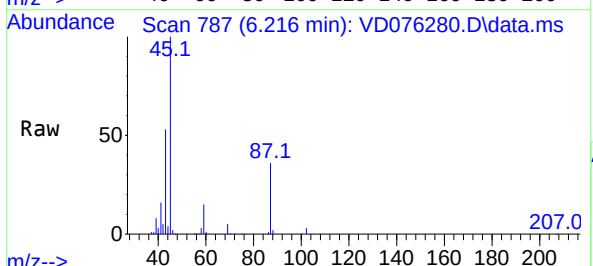
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



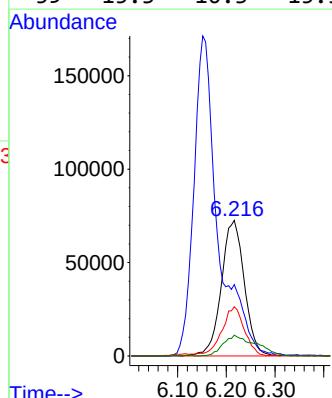
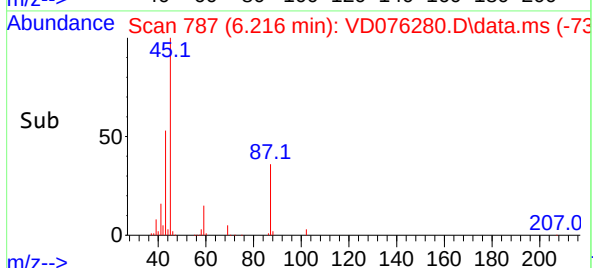
Tgt Ion: 96 Resp: 91150  
Ion Ratio Lower Upper  
96 100  
61 107.0 117.2 175.8#  
98 64.5 50.6 76.0

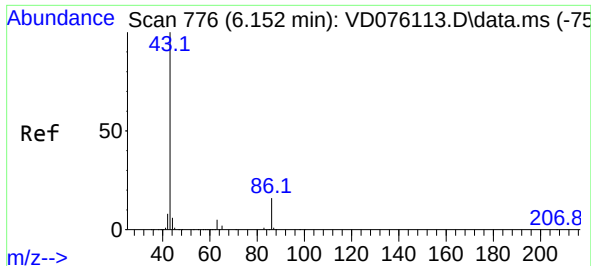


#22  
Diisopropyl ether  
Concen: 68.740 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00



Tgt Ion: 45 Resp: 238217  
Ion Ratio Lower Upper  
45 100  
43 51.0 44.4 66.6  
87 36.3 20.9 31.3#  
59 15.3 10.3 15.5

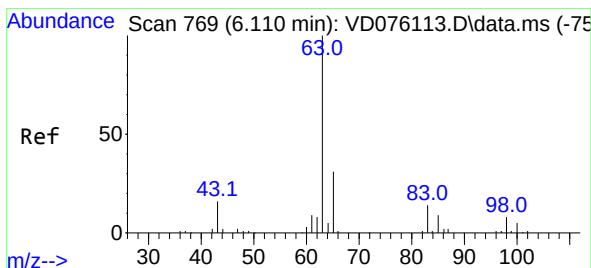
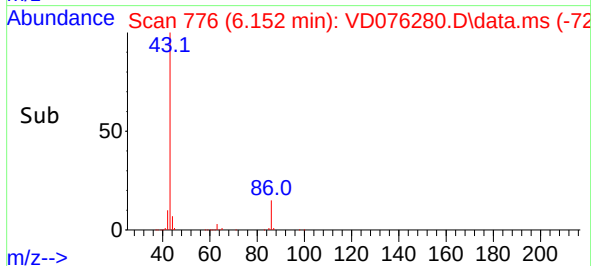
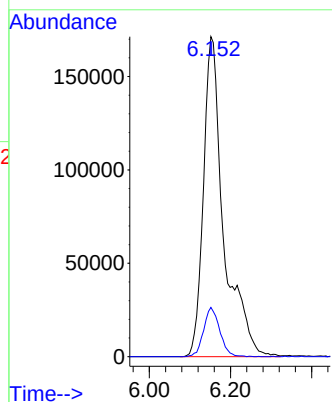
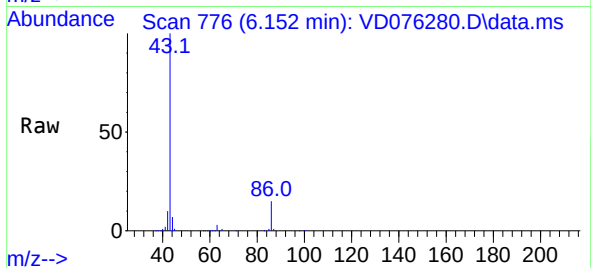




#23  
 Vinyl Acetate  
 Concen: 435.717 ug/l  
 RT: 6.152 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VD076280.D  
 Acq: 30 May 2023 18:00

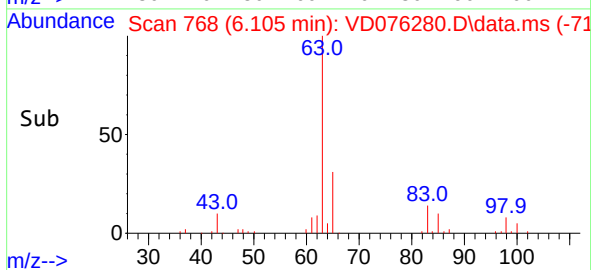
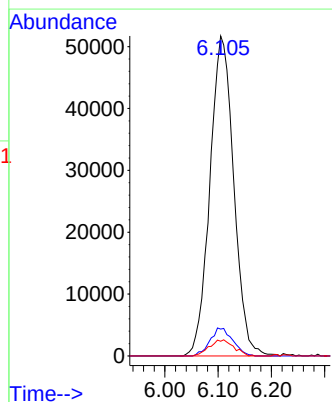
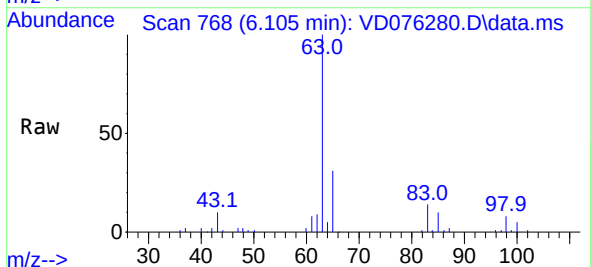
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 593708  
 Ion Ratio Lower Upper  
 43 100  
 86 15.4 9.0 13.6#

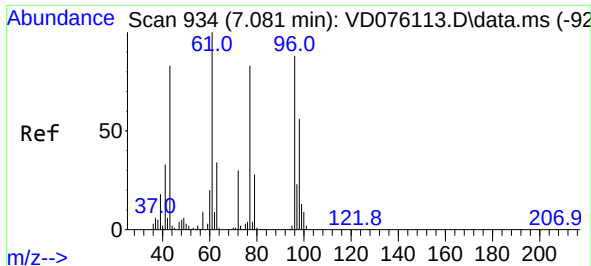


#24  
 1,1-Dichloroethane  
 Concen: 58.888 ug/l  
 RT: 6.105 min Scan# 768  
 Delta R.T. -0.005 min  
 Lab File: VD076280.D  
 Acq: 30 May 2023 18:00

Tgt Ion: 63 Resp: 160945  
 Ion Ratio Lower Upper  
 63 100  
 98 8.4 3.9 11.7  
 100 4.6 2.0 6.0



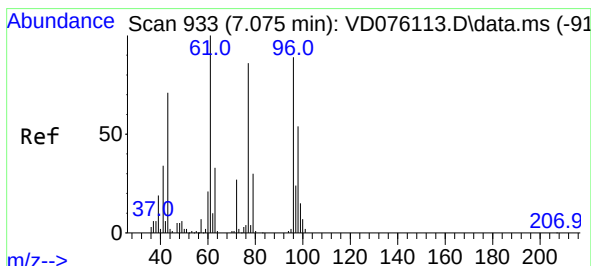
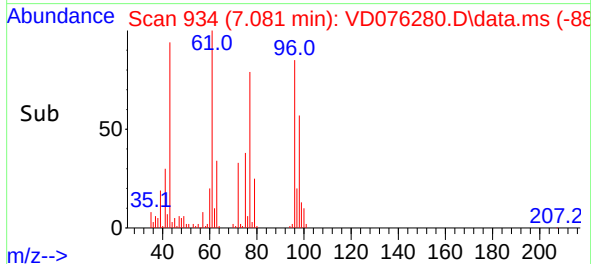
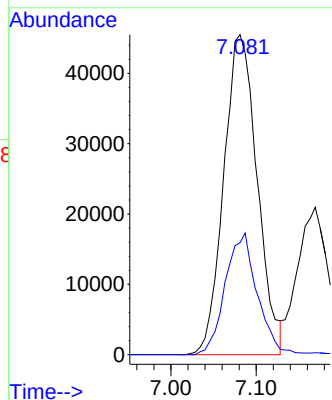
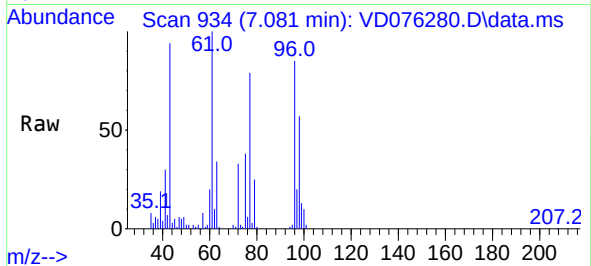




#25  
2-Butanone  
Concen: 378.242 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

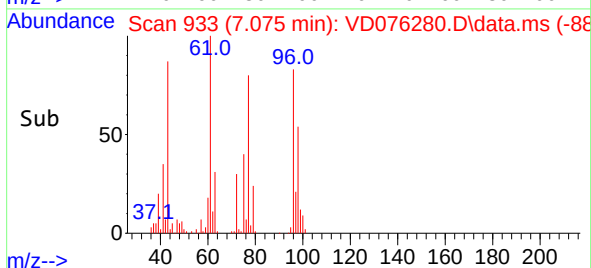
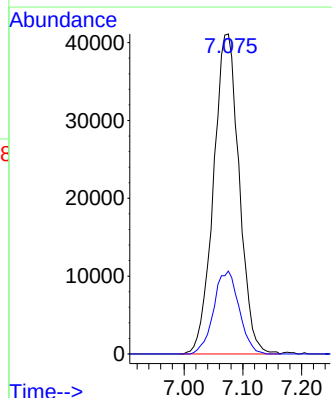
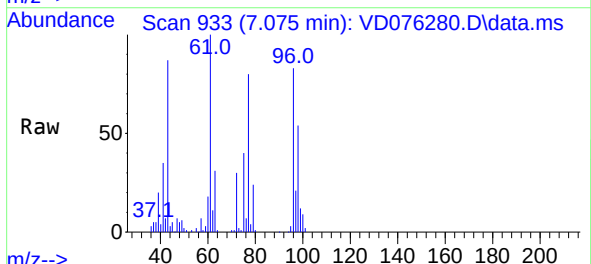
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

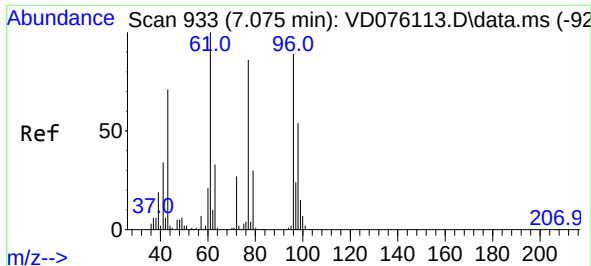
Tgt Ion: 43 Resp: 124478  
Ion Ratio Lower Upper  
43 100  
72 35.0 19.8 29.8#



#26  
2,2-Dichloropropane  
Concen: 55.816 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 77 Resp: 124388  
Ion Ratio Lower Upper  
77 100  
97 25.6 11.1 33.1



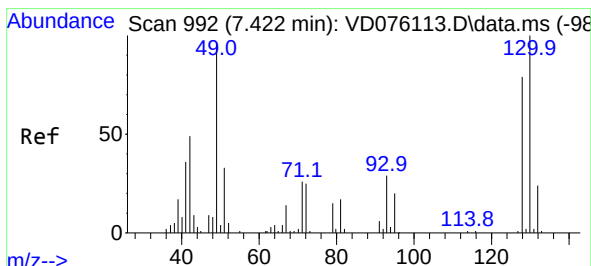
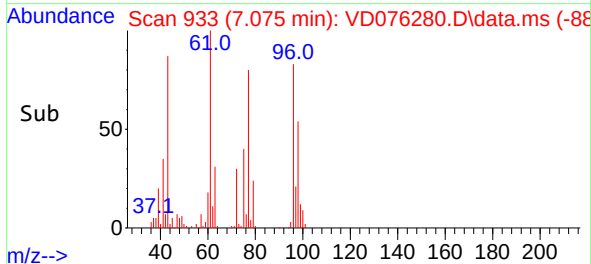
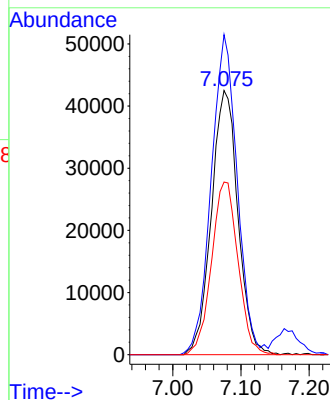
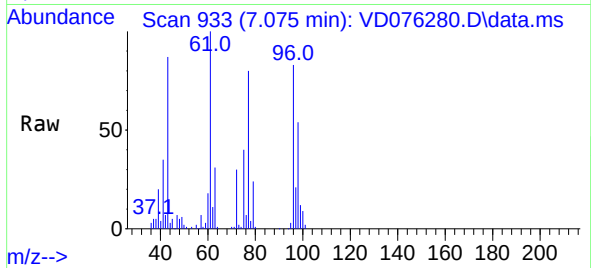


#27  
 cis-1,2-Dichloroethene  
 Concen: 61.199 ug/l  
 RT: 7.075 min Scan# 911  
 Delta R.T. -0.006 min  
 Lab File: VD076280.D  
 Acq: 30 May 2023 18:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 96 Resp: 115143  

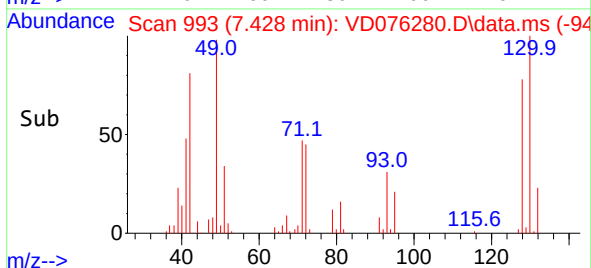
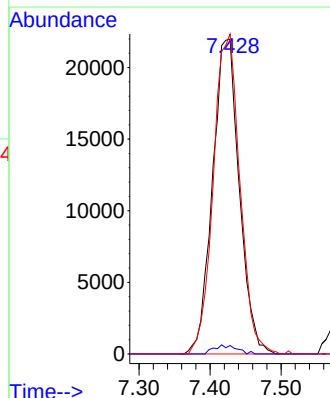
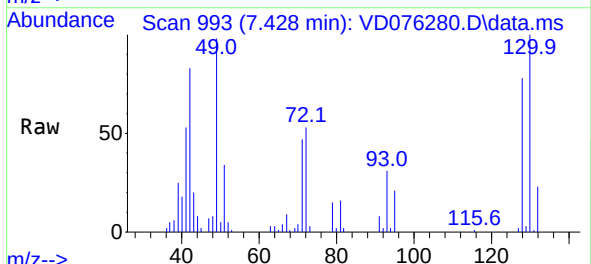
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 118.8 | 0.0   | 295.2 |
| 98  | 65.2  | 0.0   | 129.2 |

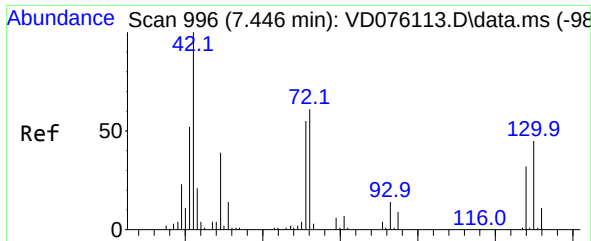


#28  
 Bromochloromethane  
 Concen: 63.113 ug/l  
 RT: 7.428 min Scan# 993  
 Delta R.T. 0.006 min  
 Lab File: VD076280.D  
 Acq: 30 May 2023 18:00

Tgt Ion: 49 Resp: 57515  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.4   | 0.0   | 2.2#  |
| 130 | 100.9 | 56.0  | 84.0# |

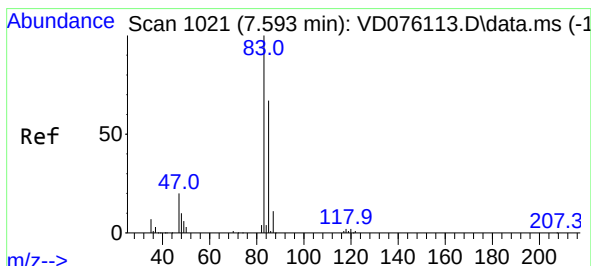
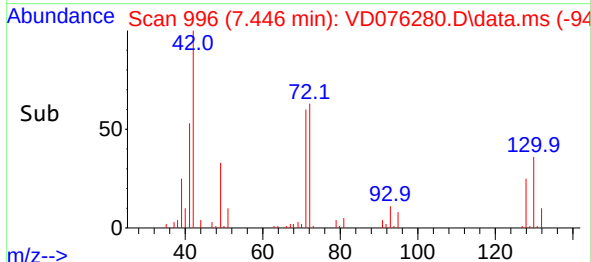
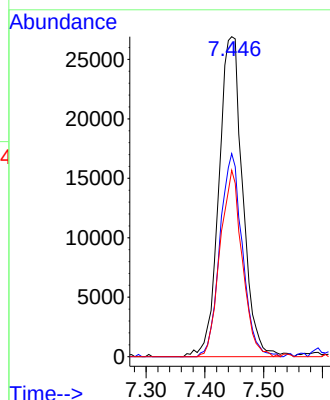
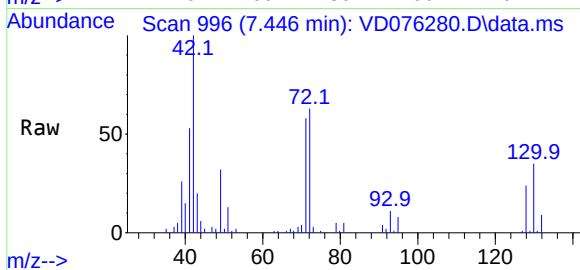




#29  
Tetrahydrofuran  
Concen: 394.636 ug/l  
RT: 7.446 min Scan# 996  
Delta R.T. 0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

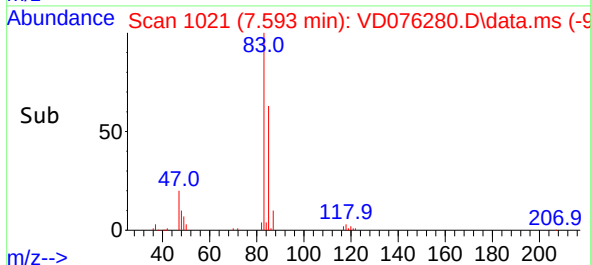
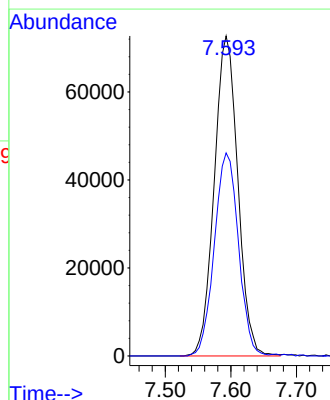
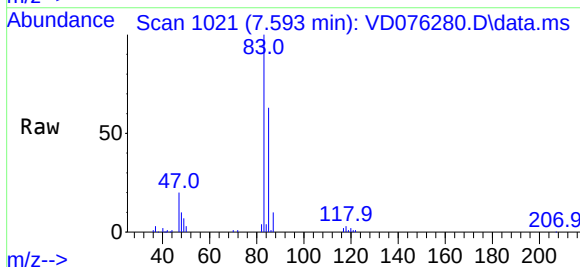
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

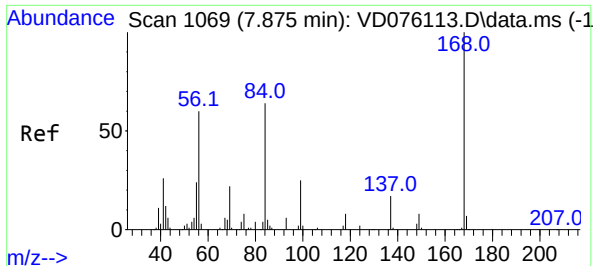
Tgt Ion: 42 Resp: 75698  
Ion Ratio Lower Upper  
42 100  
72 59.9 31.8 47.6#  
71 54.1 27.6 41.4#



#30  
Chloroform  
Concen: 62.099 ug/l  
RT: 7.593 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 83 Resp: 181497  
Ion Ratio Lower Upper  
83 100  
85 63.4 49.4 74.2



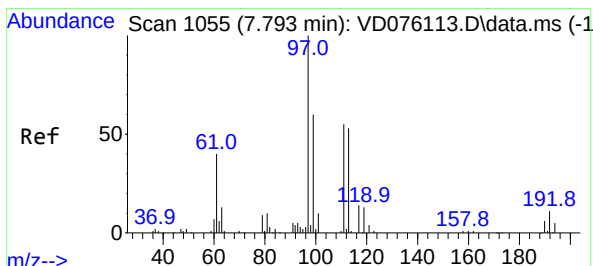
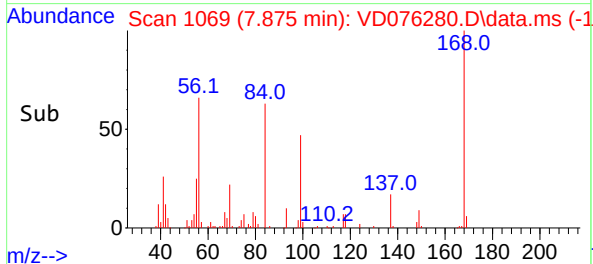
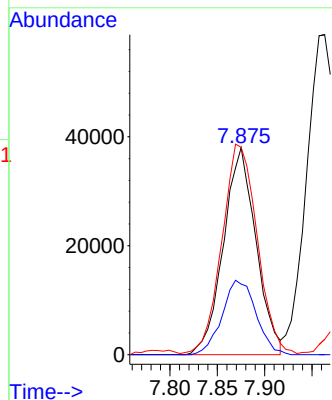
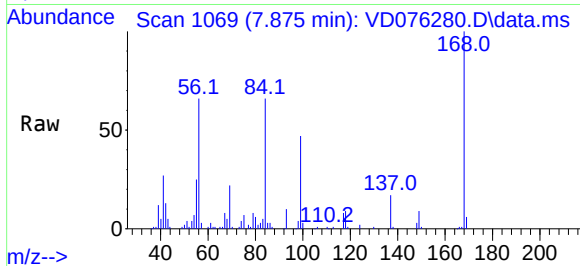


#31  
Cyclohexane  
Concen: 45.158 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 56 Resp: 90981

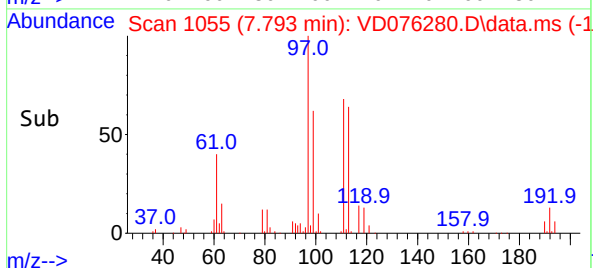
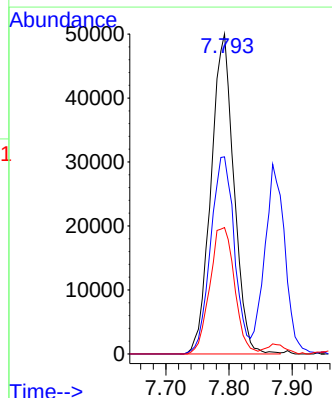
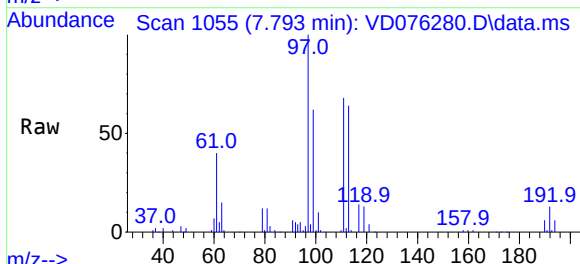
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 34.0  | 25.5  | 38.3  |
| 84  | 99.6  | 69.6  | 104.4 |

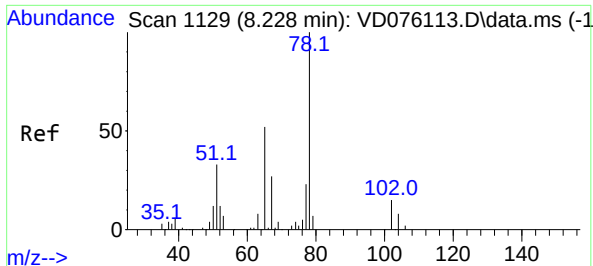


#32  
1,1,1-Trichloroethane  
Concen: 54.114 ug/l  
RT: 7.793 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 97 Resp: 126041

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.3  | 50.5  | 75.7  |
| 61  | 42.6  | 36.6  | 55.0  |

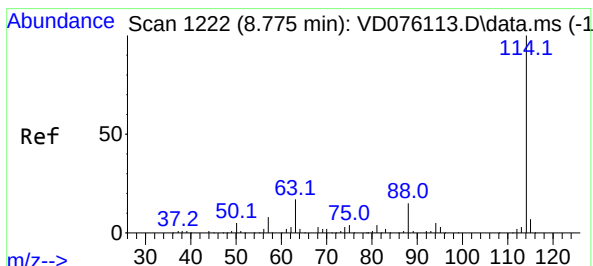
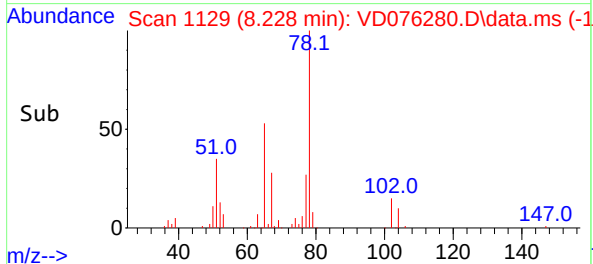
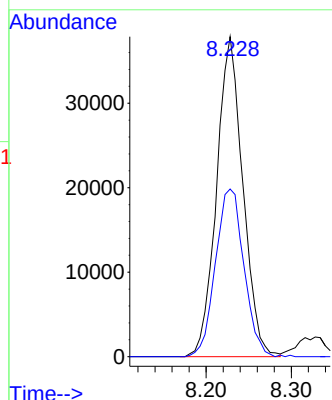
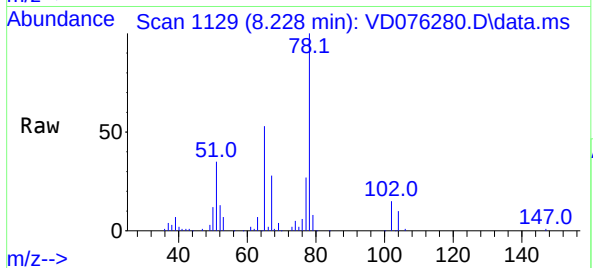




#33  
1,2-Dichloroethane-d4  
Concen: 61.793 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

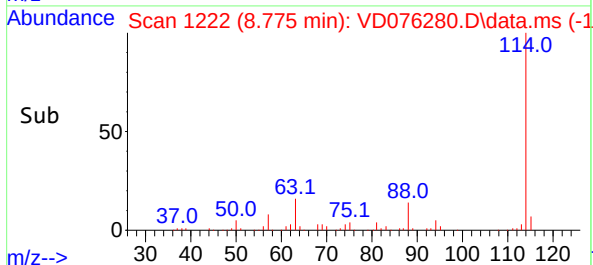
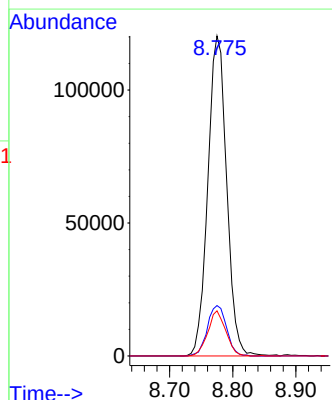
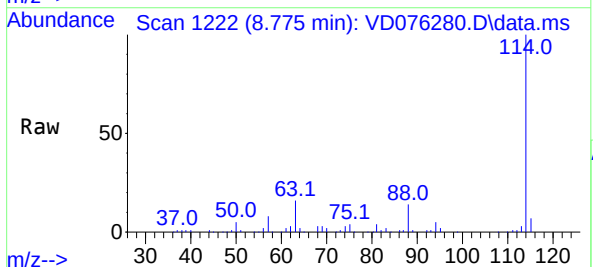
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

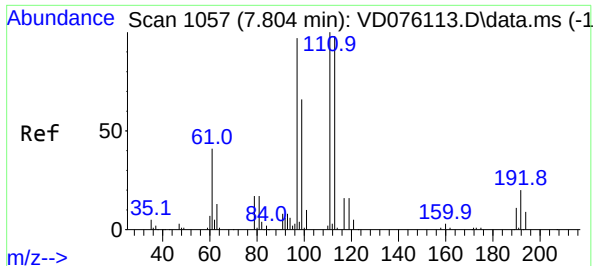
Tgt Ion: 65 Resp: 81288  
Ion Ratio Lower Upper  
65 100  
67 56.7 0.0 102.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 114 Resp: 249357  
Ion Ratio Lower Upper  
114 100  
63 15.8 0.0 41.6  
88 14.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.628 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076280.D

Acq: 30 May 2023 18:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

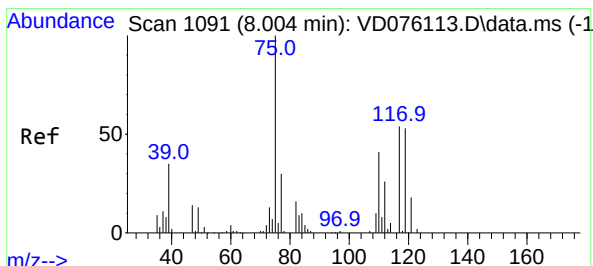
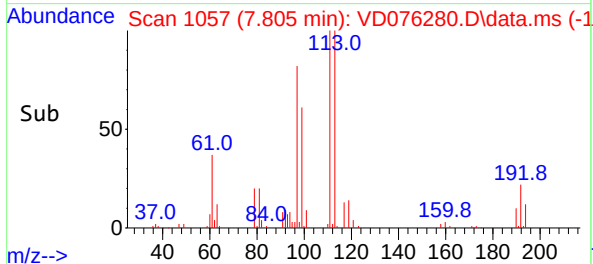
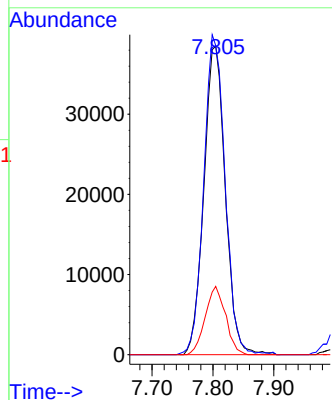
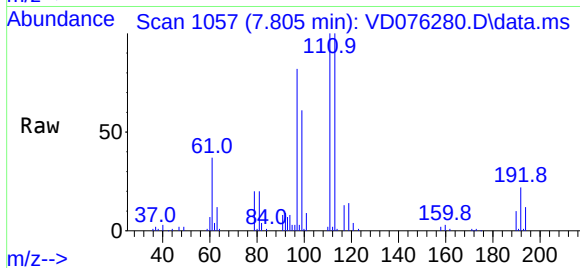
Tgt Ion:113 Resp: 94157

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 21.0 15.2 22.8



#36

1,1-Dichloropropene

Concen: 47.163 ug/l

RT: 8.005 min Scan# 1091

Delta R.T. -0.005 min

Lab File: VD076280.D

Acq: 30 May 2023 18:00

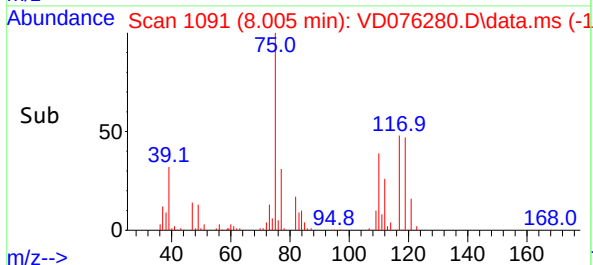
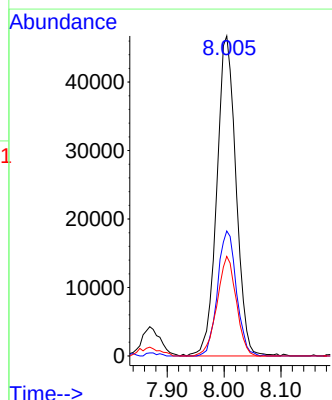
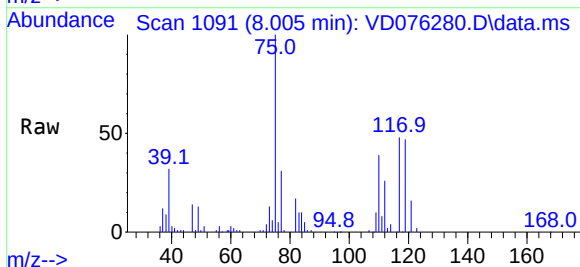
Tgt Ion: 75 Resp: 109786

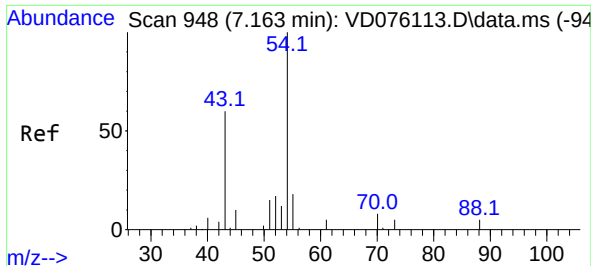
Ion Ratio Lower Upper

75 100

110 38.4 17.1 51.2

77 31.1 24.6 36.8





#37

Ethyl Acetate

Concen: 68.905 ug/l

RT: 7.169 min Scan# 94

Delta R.T. 0.000 min

Lab File: VD076280.D

Acq: 30 May 2023 18:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

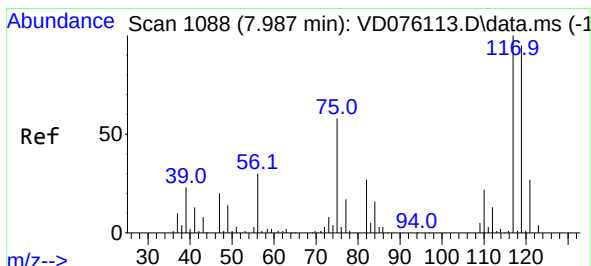
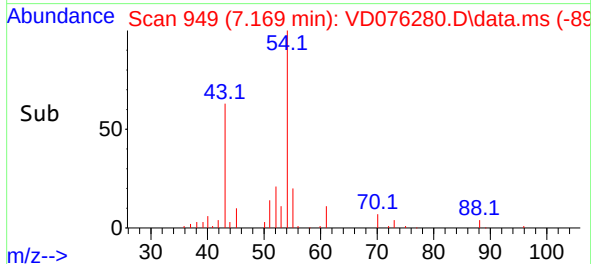
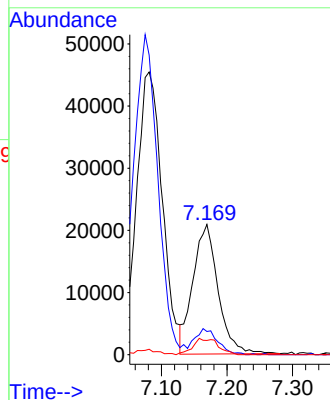
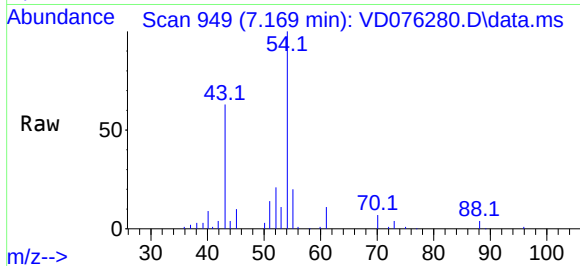
Tgt Ion: 43 Resp: 55543

Ion Ratio Lower Upper

43 100

61 18.0 0.0 0.0#

70 12.4 5.6 8.4#



#38

Carbon Tetrachloride

Concen: 46.784 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD076280.D

Acq: 30 May 2023 18:00

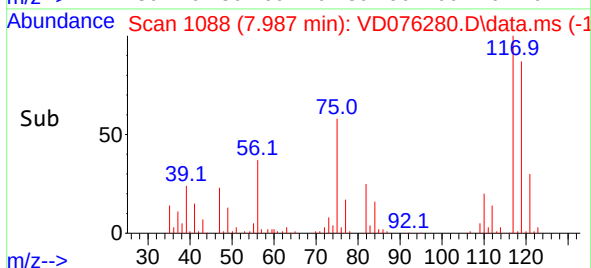
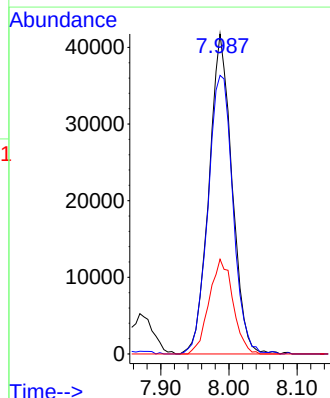
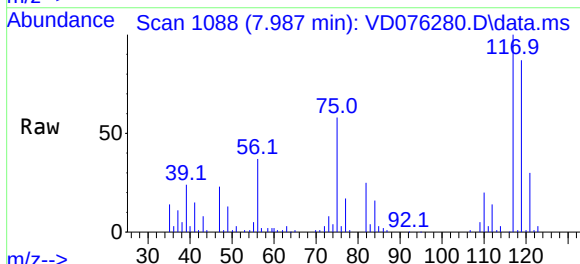
Tgt Ion: 117 Resp: 98369

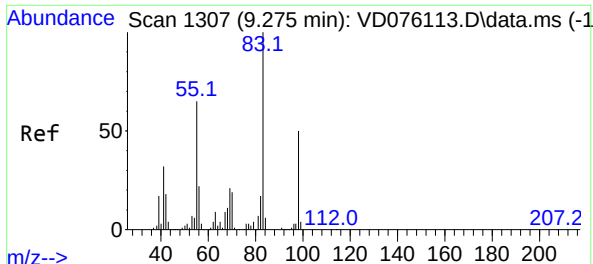
Ion Ratio Lower Upper

117 100

119 87.1 74.7 112.1

121 29.6 25.9 38.9

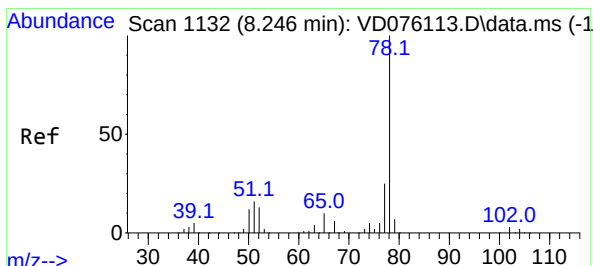
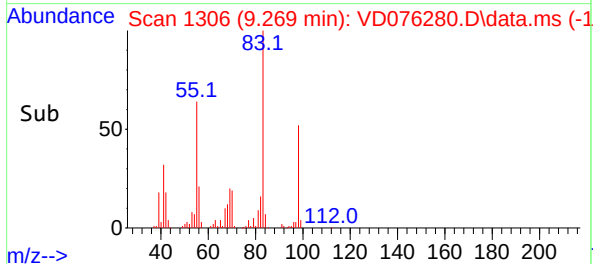
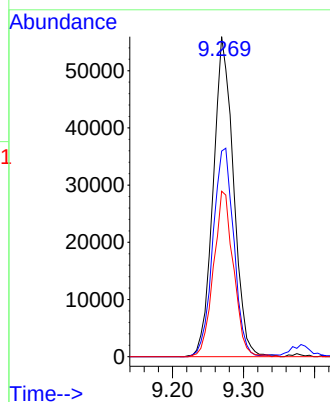
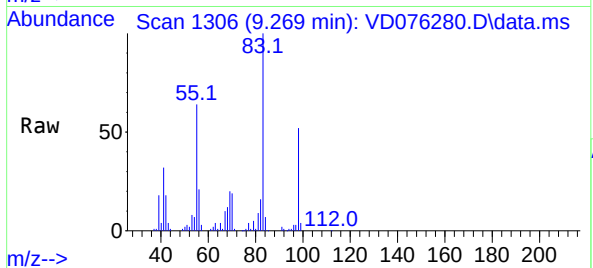




#39  
Methylcyclohexane  
Concen: 41.377 ug/l  
RT: 9.269 min Scan# 1108  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

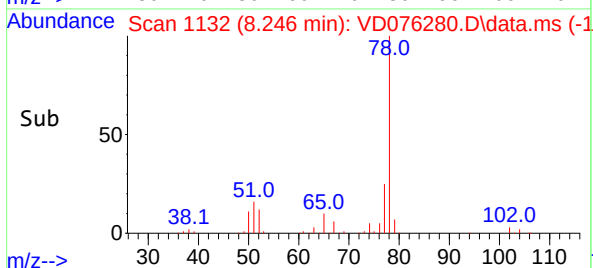
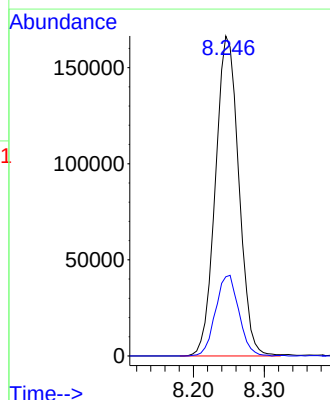
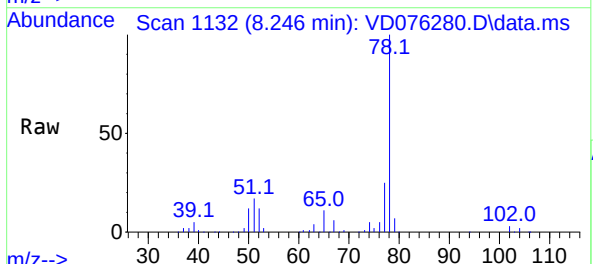
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 83 Resp: 110891  
Ion Ratio Lower Upper  
83 100  
55 64.2 56.8 85.2  
98 51.7 38.9 58.3

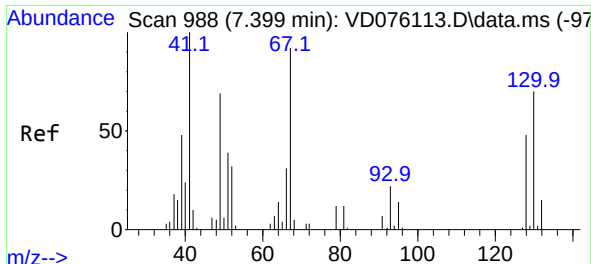


#40  
Benzene  
Concen: 50.760 ug/l  
RT: 8.246 min Scan# 1132  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 78 Resp: 379889  
Ion Ratio Lower Upper  
78 100  
77 24.8 19.1 28.7





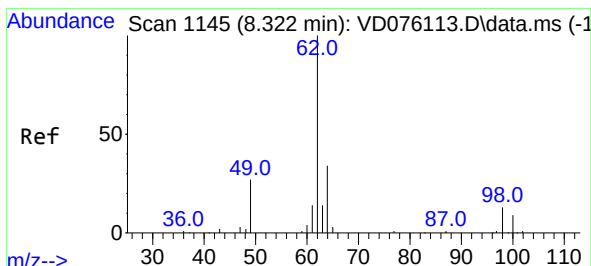
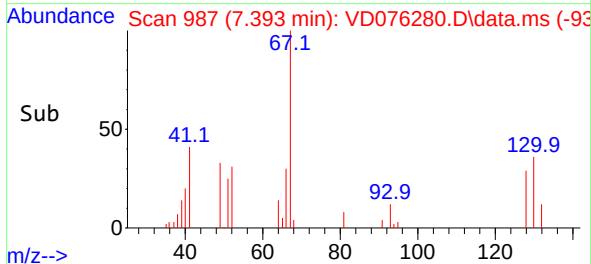
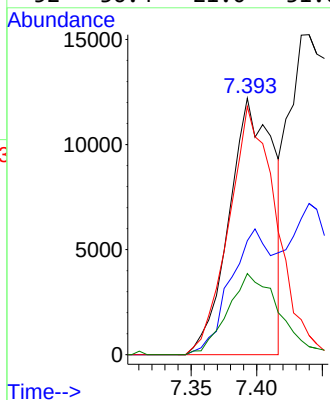
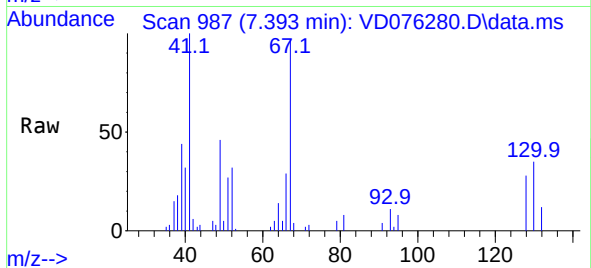


#41  
Methacrylonitrile  
Concen: 65.212 ug/l  
RT: 7.393 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 28823

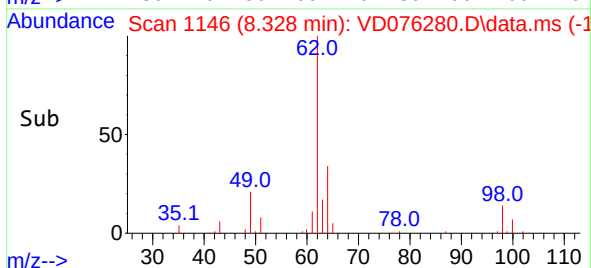
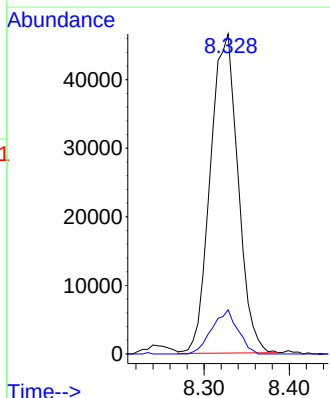
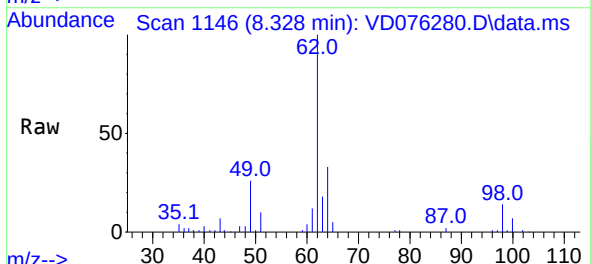
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 42.9  | 45.3  | 67.9# |
| 67  | 103.9 | 50.5  | 75.7# |
| 52  | 36.4  | 21.0  | 31.6# |

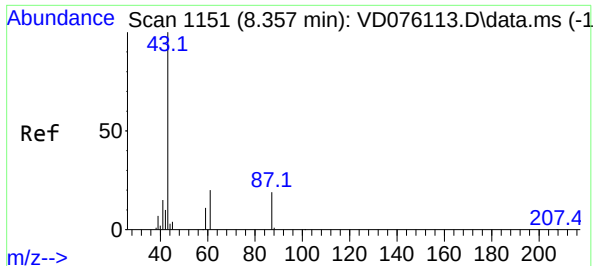


#42  
1,2-Dichloroethane  
Concen: 59.373 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 62 Resp: 105101

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 12.9  | 0.0   | 18.8  |

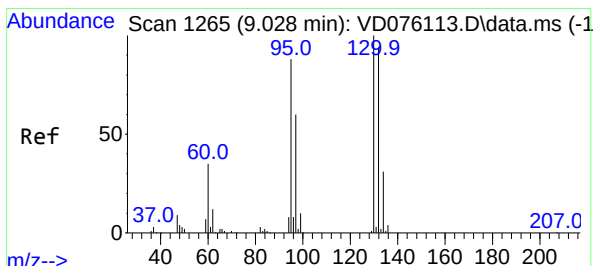
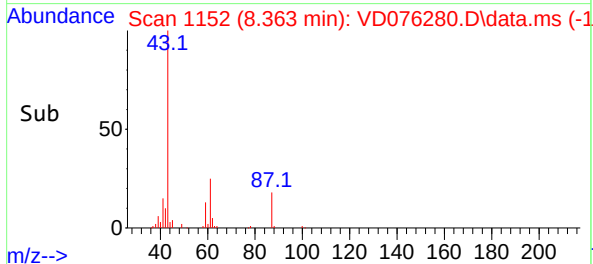
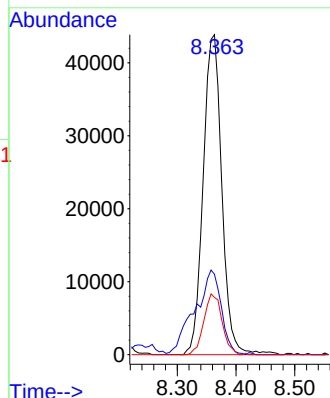
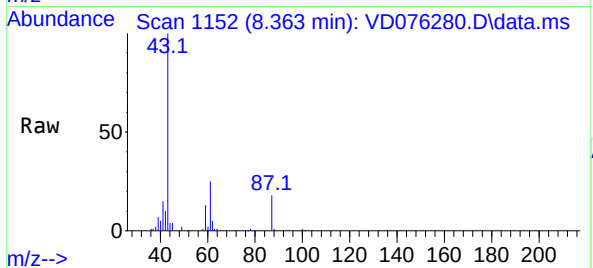




#43  
Isopropyl Acetate  
Concen: 64.153 ug/l  
RT: 8.363 min Scan# 1151  
Delta R.T. 0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

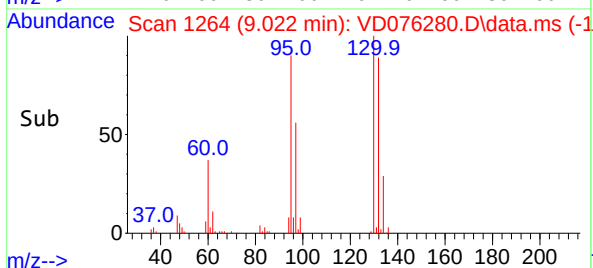
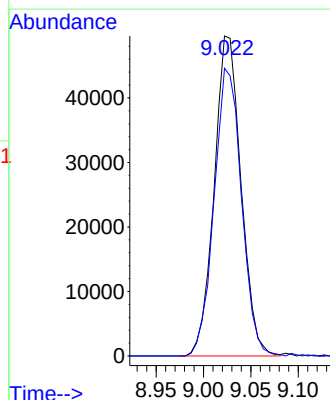
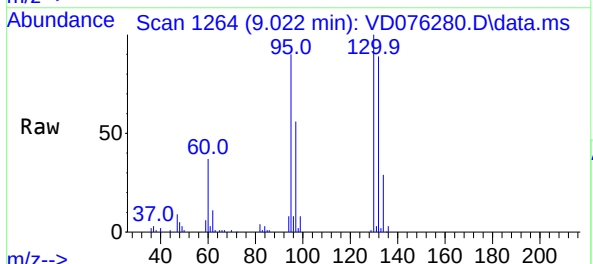
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

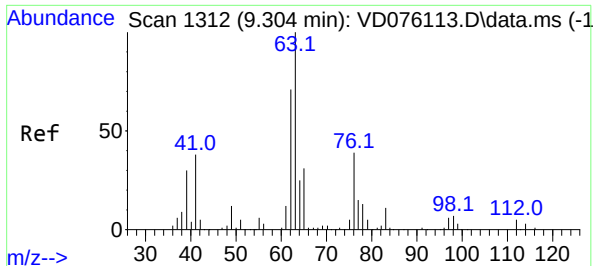
Tgt Ion: 43 Resp: 96600  
Ion Ratio Lower Upper  
43 100  
61 37.5 23.4 35.0#  
87 18.5 9.5 14.3#



#44  
Trichloroethene  
Concen: 46.325 ug/l  
RT: 9.022 min Scan# 1264  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion:130 Resp: 97706  
Ion Ratio Lower Upper  
130 100  
95 89.9 0.0 197.6

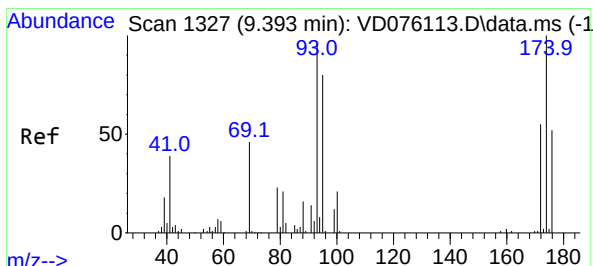
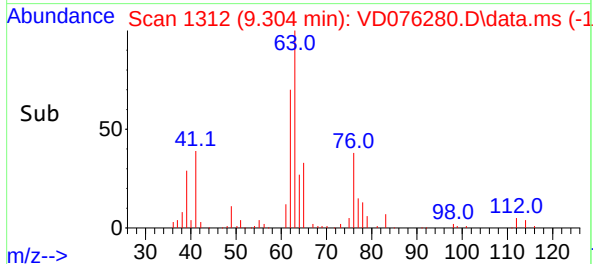
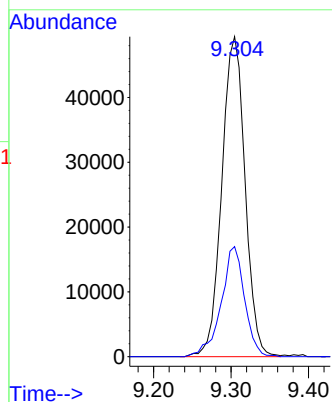
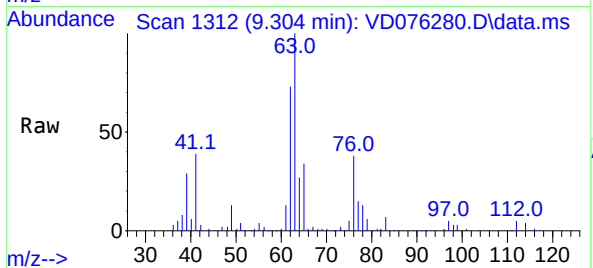




#45  
1,2-Dichloropropane  
Concen: 55.906 ug/l  
RT: 9.304 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

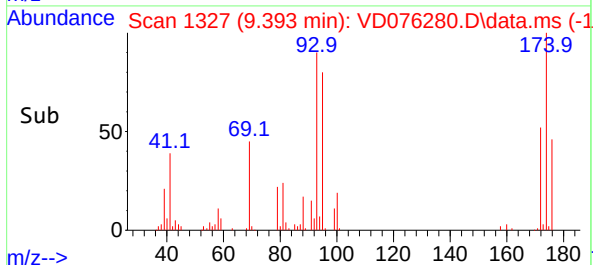
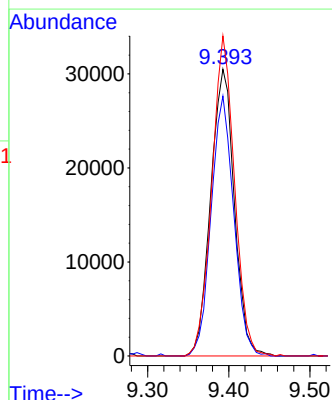
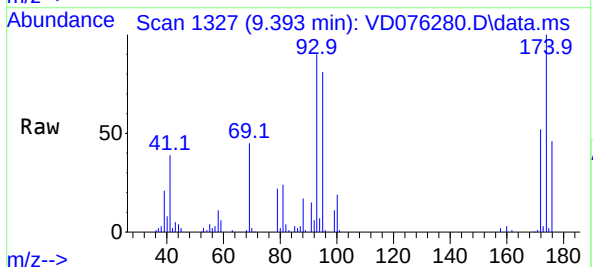
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

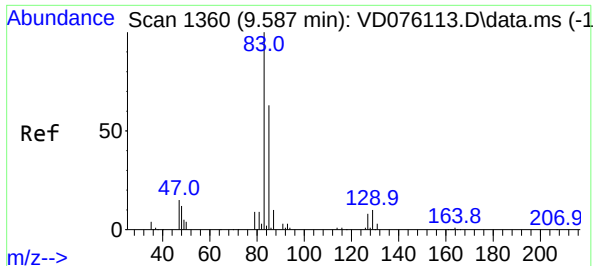
Tgt Ion: 63 Resp: 103202  
Ion Ratio Lower Upper  
63 100  
65 34.4 23.0 34.4



#46  
Dibromomethane  
Concen: 59.773 ug/l  
RT: 9.393 min Scan# 1327  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 93 Resp: 61849  
Ion Ratio Lower Upper  
93 100  
95 86.6 64.5 96.7  
174 107.2 76.2 114.4





#47

Bromodichloromethane

Concen: 57.281 ug/l

RT: 9.581 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD076280.D

Acq: 30 May 2023 18:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

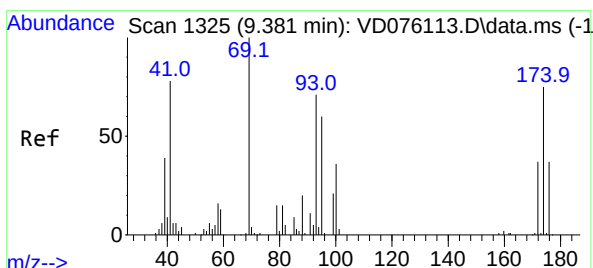
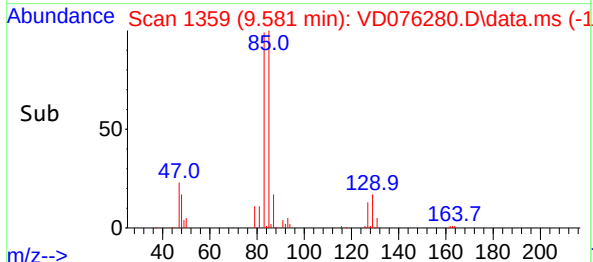
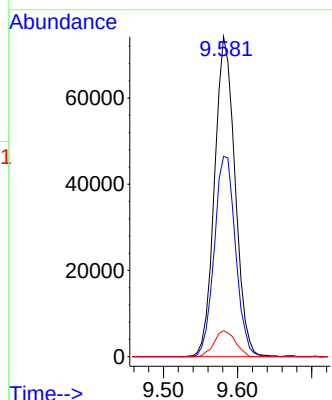
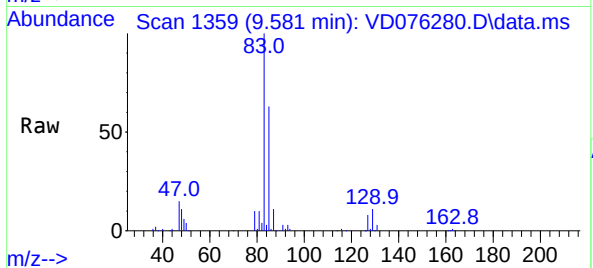
Tgt Ion: 83 Resp: 142447

Ion Ratio Lower Upper

83 100

85 62.6 53.7 80.5

127 8.1 7.0 10.6



#48

Methyl methacrylate

Concen: 66.065 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

Lab File: VD076280.D

Acq: 30 May 2023 18:00

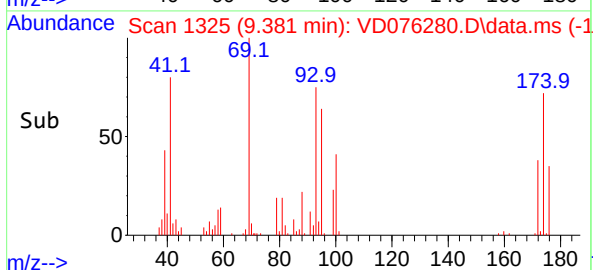
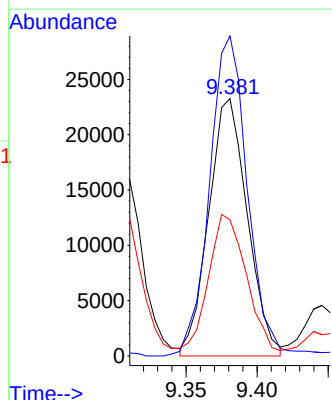
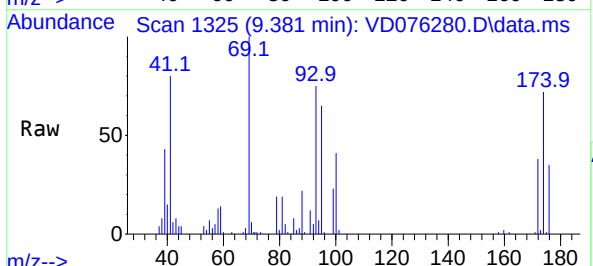
Tgt Ion: 41 Resp: 44028

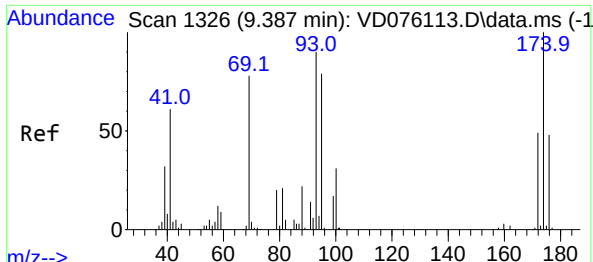
Ion Ratio Lower Upper

41 100

69 122.7 58.6 88.0#

39 55.6 53.4 80.0

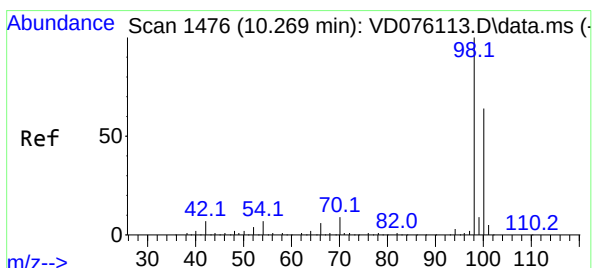
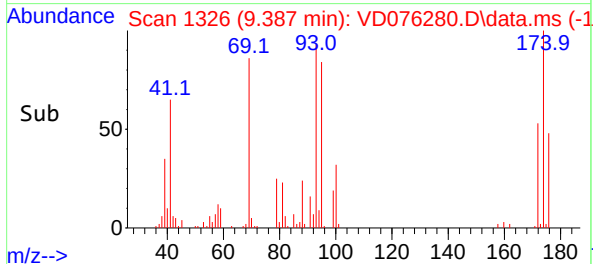
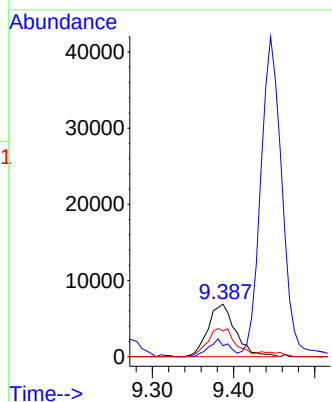
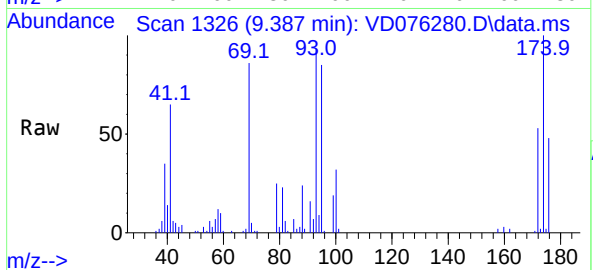




#49  
1,4-Dioxane  
Concen: 1461.820 ug/l  
RT: 9.387 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

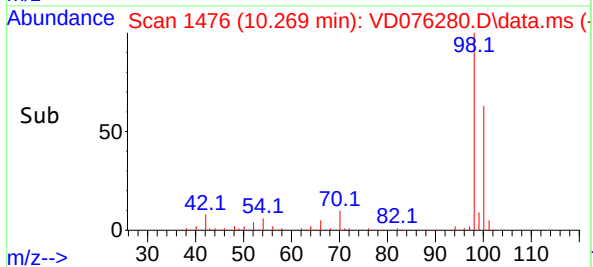
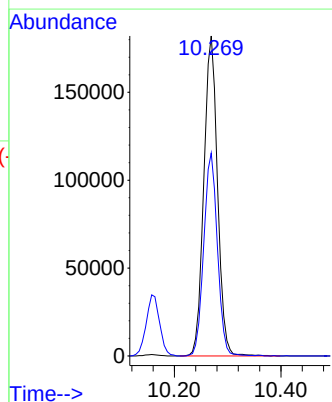
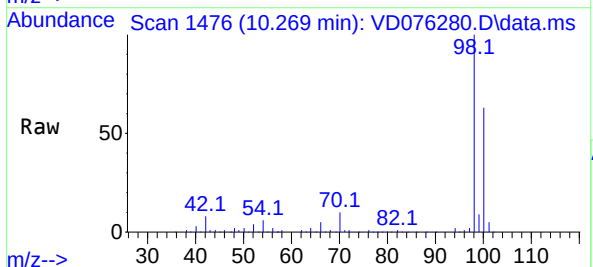
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

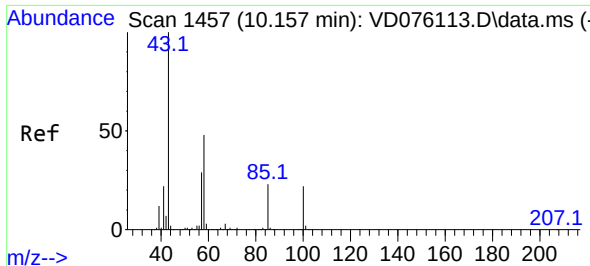
Tgt Ion: 88 Resp: 16175  
Ion Ratio Lower Upper  
88 100  
43 24.1 34.6 51.8#  
58 54.8 58.0 87.0#



#50  
Toluene-d8  
Concen: 48.307 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 98 Resp: 324574  
Ion Ratio Lower Upper  
98 100  
100 63.2 52.1 78.1

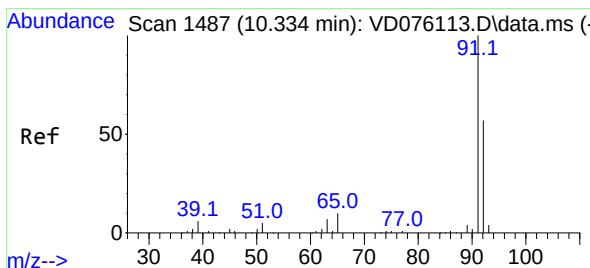
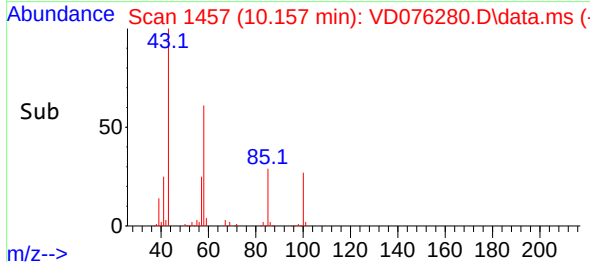
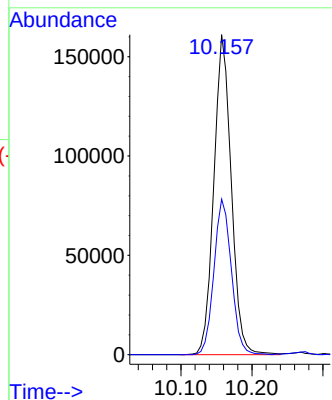
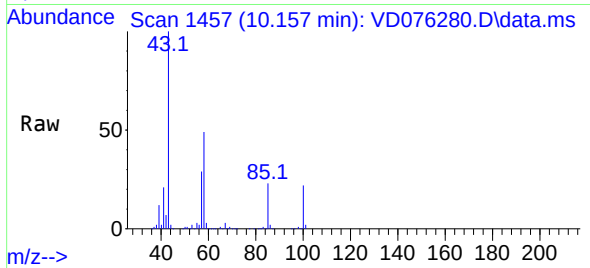




#51  
4-Methyl-2-Pentanone  
Concen: 341.868 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

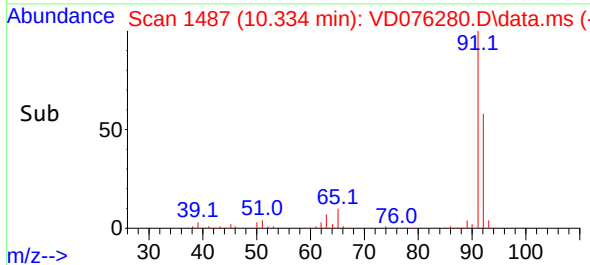
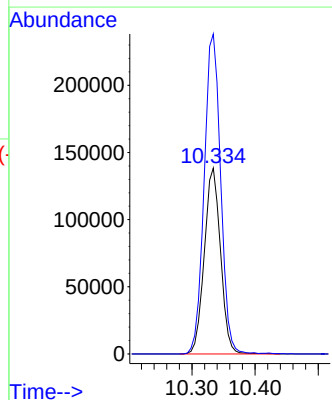
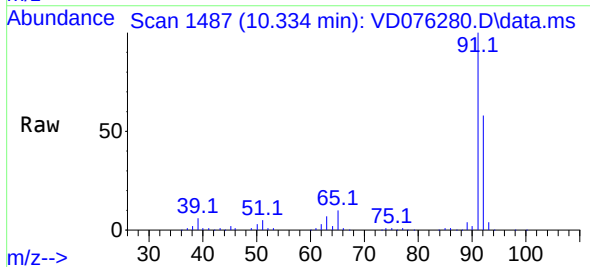
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

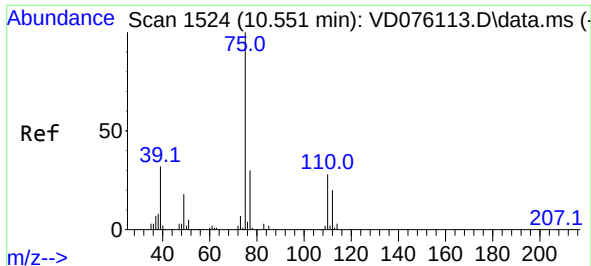
Tgt Ion: 43 Resp: 273782  
Ion Ratio Lower Upper  
43 100  
58 48.6 29.5 44.3#



#52  
Toluene  
Concen: 52.616 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 92 Resp: 245938  
Ion Ratio Lower Upper  
92 100  
91 175.1 136.5 204.7

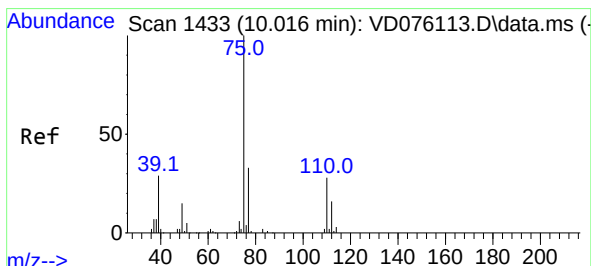
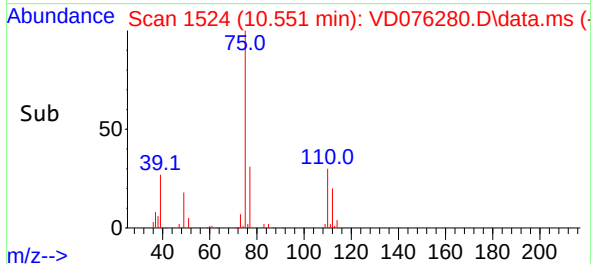
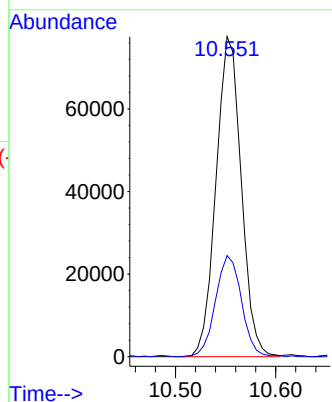
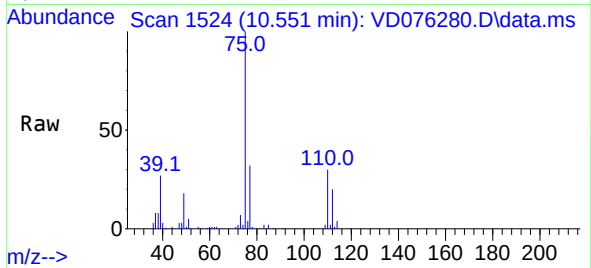




#53  
t-1,3-Dichloropropene  
Concen: 60.251 ug/l  
RT: 10.551 min Scan# 1524  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

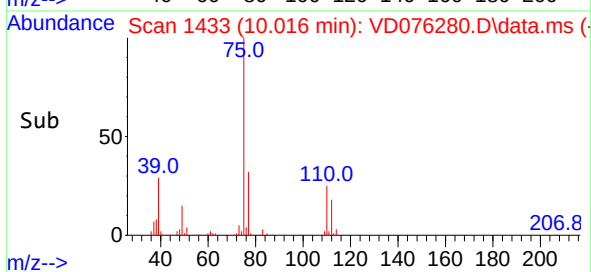
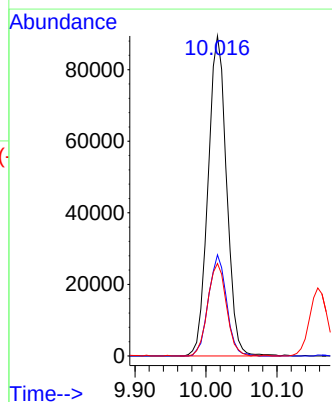
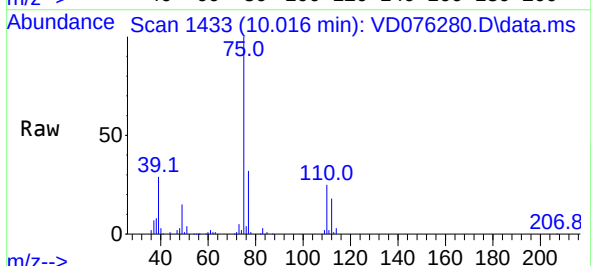
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

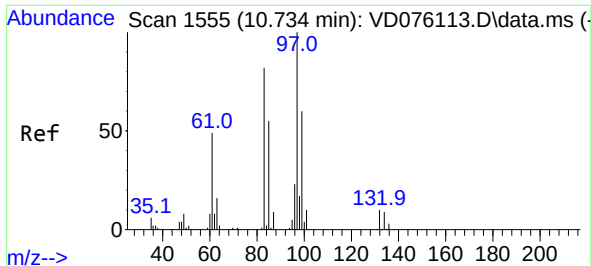
Tgt Ion: 75 Resp: 135041  
Ion Ratio Lower Upper  
75 100  
77 31.6 26.3 39.5



#54  
cis-1,3-Dichloropropene  
Concen: 59.304 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 75 Resp: 162212  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.6 38.4  
39 28.9 44.8 67.2#

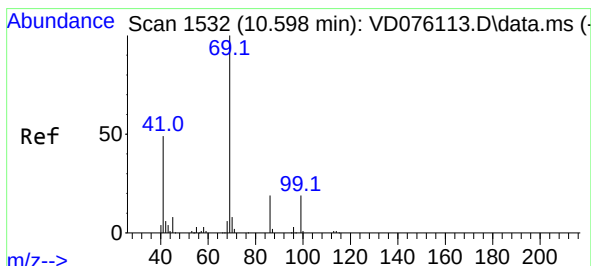
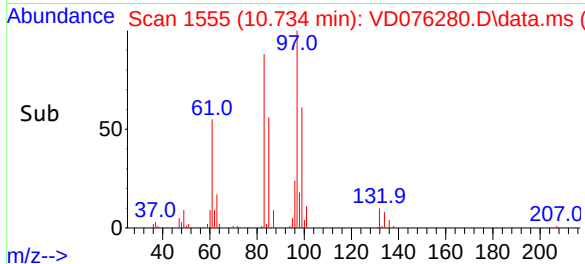
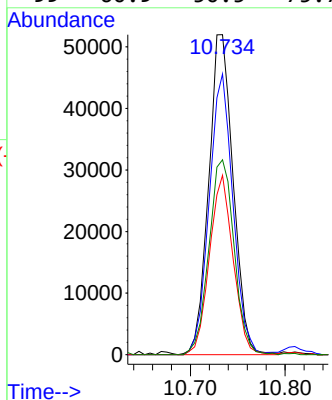
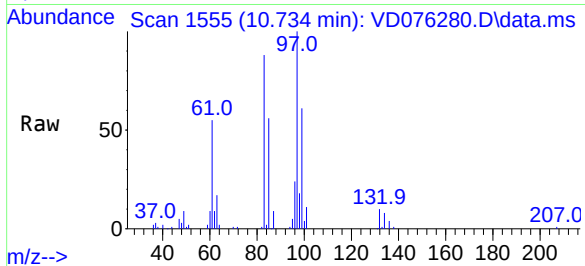




#55  
1,1,2-Trichloroethane  
Concen: 63.155 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

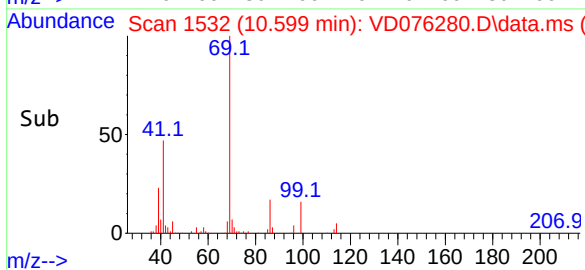
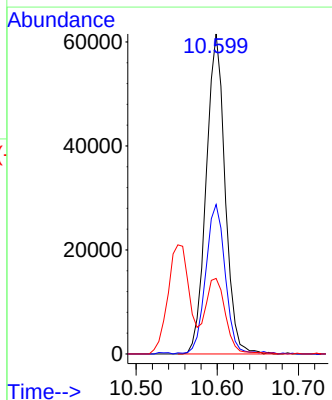
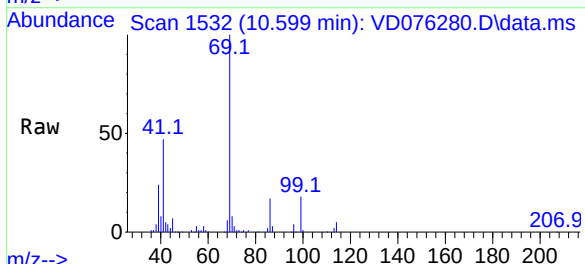
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 93711 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.7  | 74.2  | 111.4 |
| 85       | 56.1  | 45.4  | 68.0  |
| 99       | 60.9  | 50.5  | 75.7  |

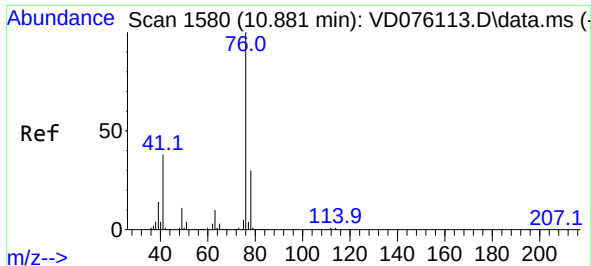


#56  
Ethyl methacrylate  
Concen: 66.519 ug/l  
RT: 10.599 min Scan# 1532  
Delta R.T. 0.001 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 99211 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 48.4  | 59.3  | 88.9# |
| 39       | 25.5  | 36.0  | 54.0# |







#57

1,3-Dichloropropane

Concen: 62.010 ug/l

RT: 10.881 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076280.D

Acq: 30 May 2023 18:00

Instrument :

MSVOA\_D

ClientSampleId :

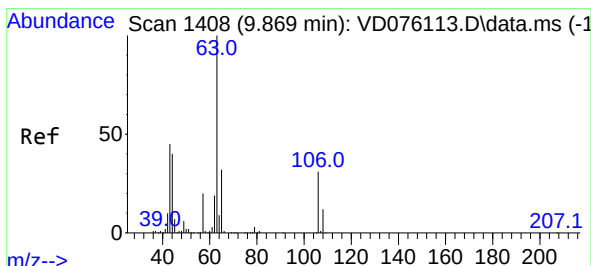
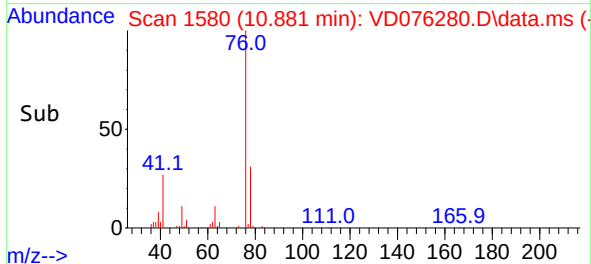
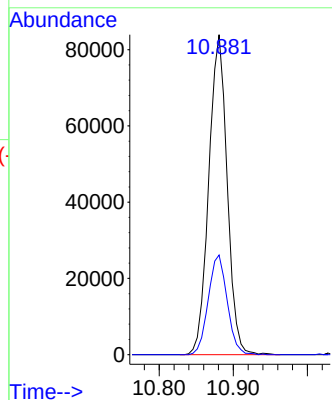
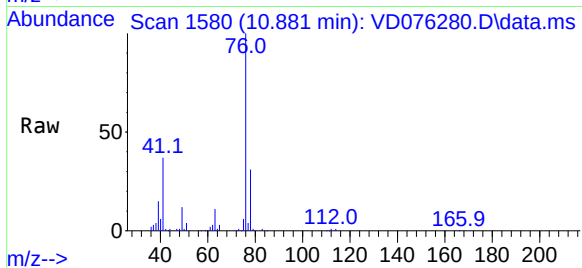
VSTDCCC050EC

Tgt Ion: 76 Resp: 144356

Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 309.795 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD076280.D

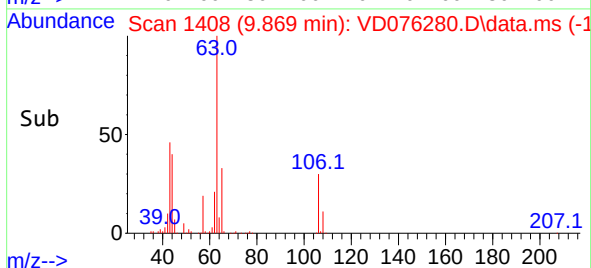
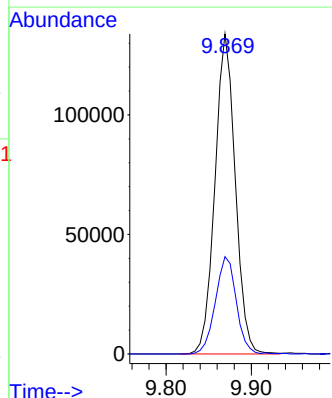
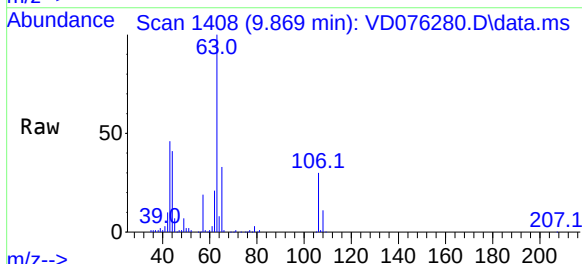
Acq: 30 May 2023 18:00

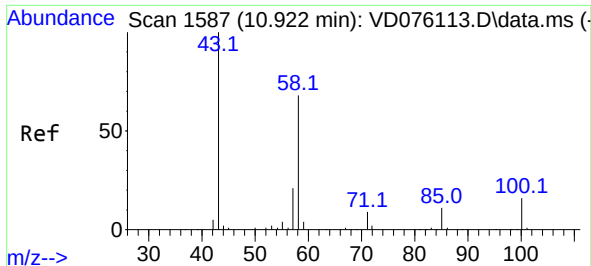
Tgt Ion: 63 Resp: 221692

Ion Ratio Lower Upper

63 100

106 31.4 21.4 32.2

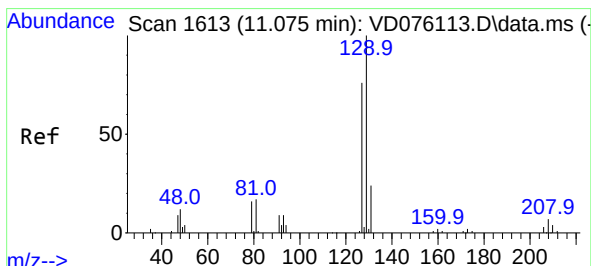
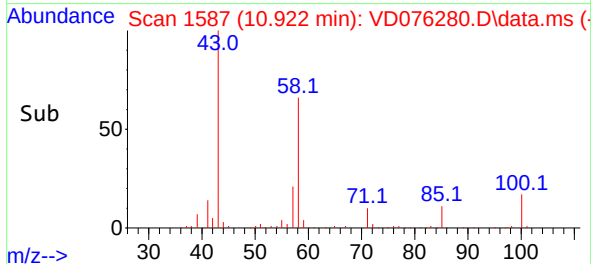
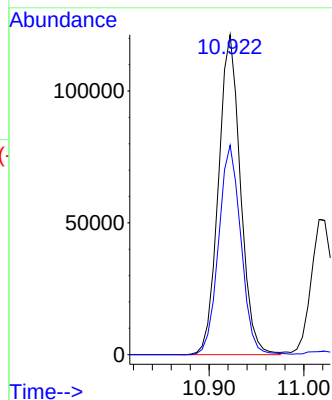
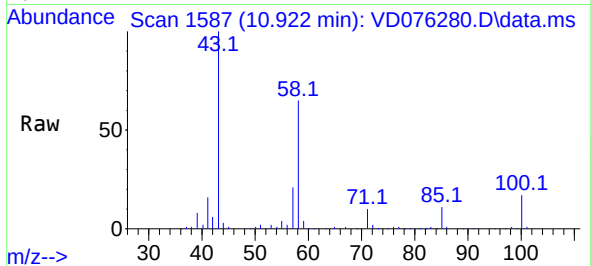




#59  
2-Hexanone  
Concen: 347.216 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

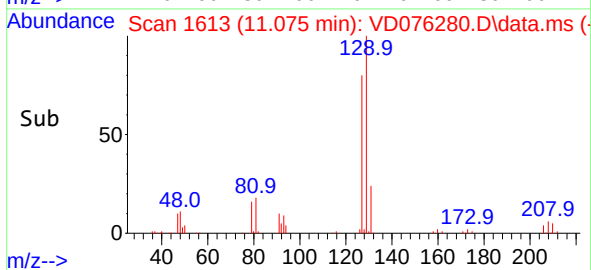
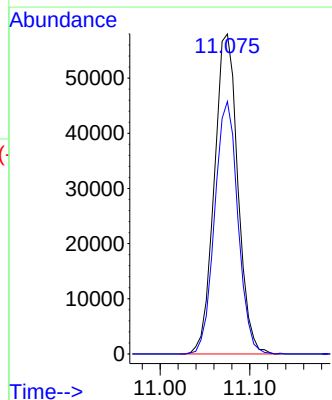
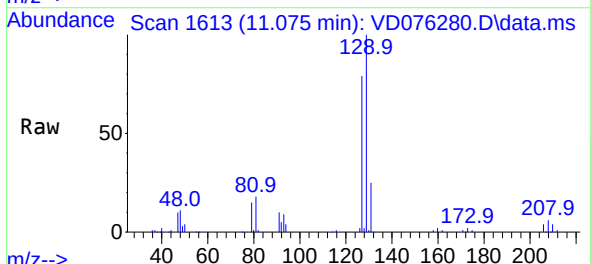
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

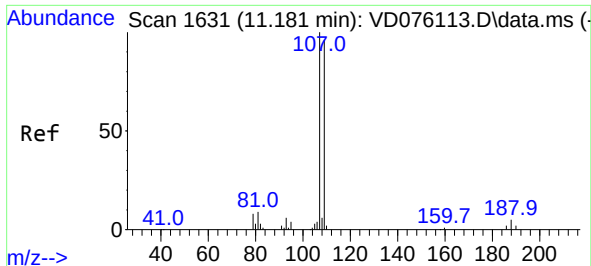
Tgt Ion: 43 Resp: 196099  
Ion Ratio Lower Upper  
43 100  
58 66.1 25.3 75.8



#60  
Dibromochloromethane  
Concen: 63.385 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 129 Resp: 105754  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.1 114.5

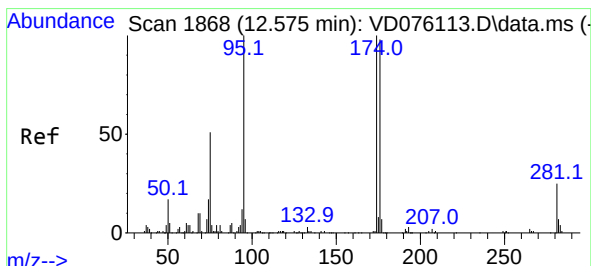
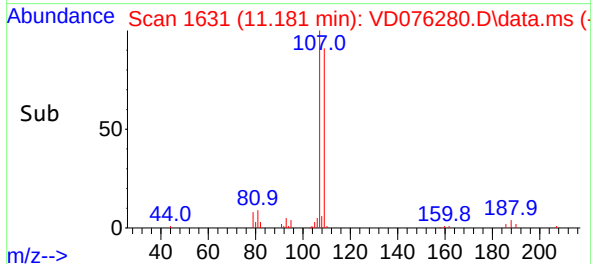
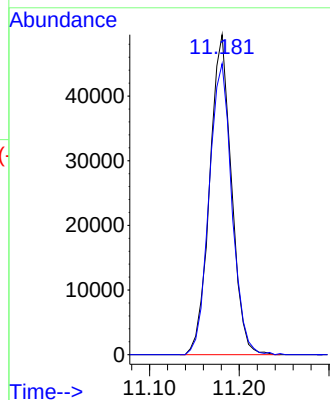
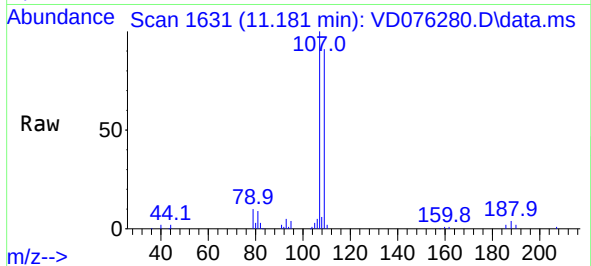




#61  
1,2-Dibromoethane  
Concen: 63.143 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

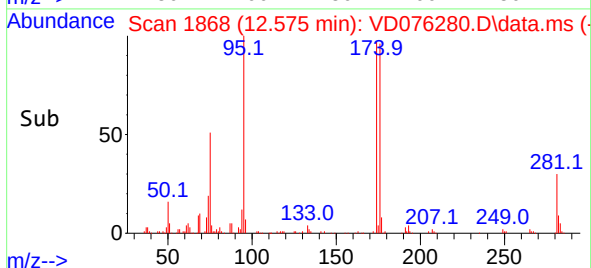
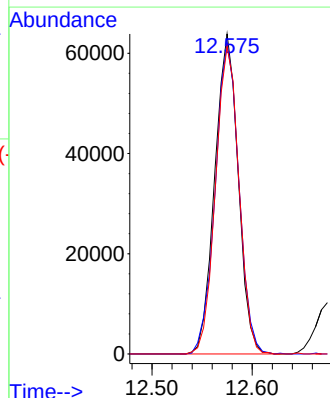
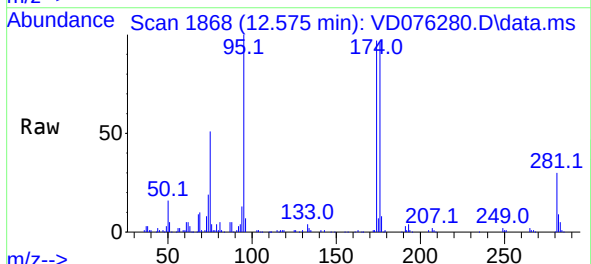
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

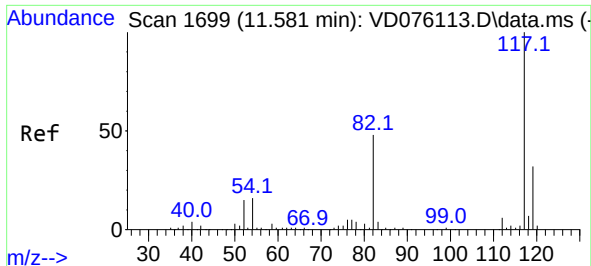
Tgt Ion:107 Resp: 83345  
Ion Ratio Lower Upper  
107 100  
109 95.3 73.6 110.4



#62  
4-Bromofluorobenzene  
Concen: 55.289 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 95 Resp: 103195  
Ion Ratio Lower Upper  
95 100  
174 98.3 0.0 164.0  
176 96.0 0.0 156.8

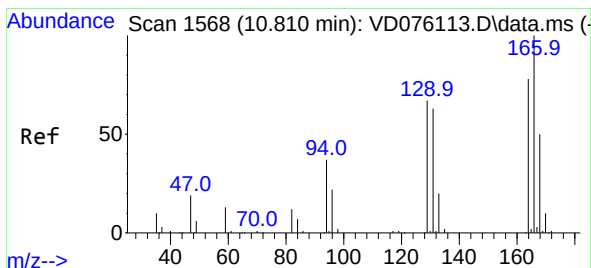
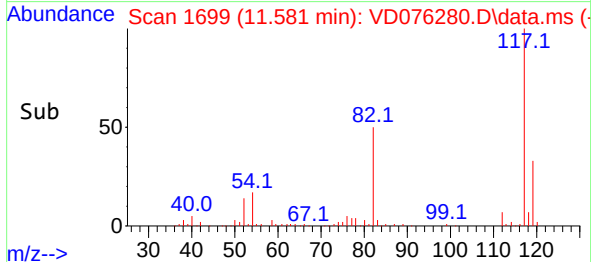
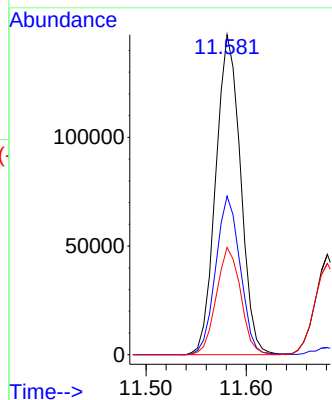
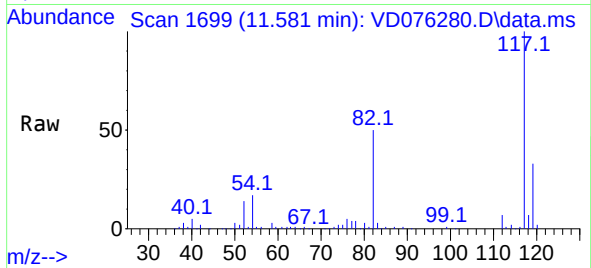




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

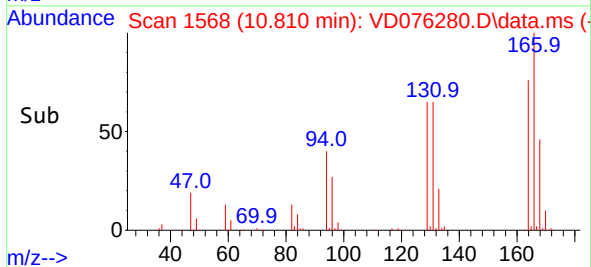
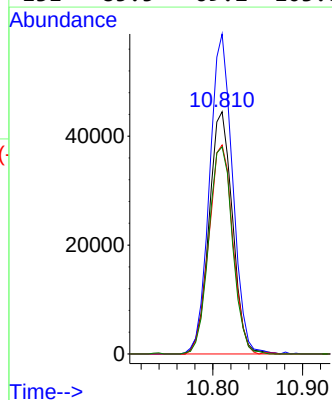
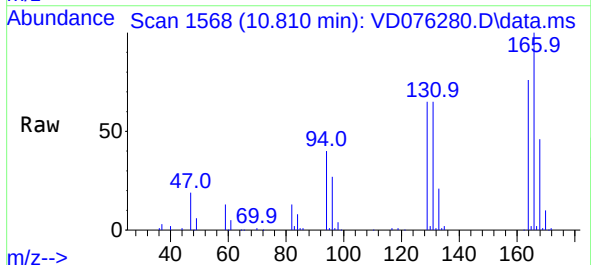
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

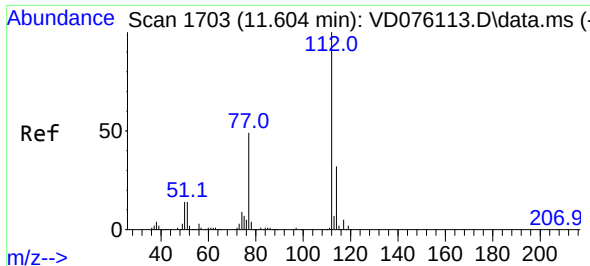
Tgt Ion:117 Resp: 252802  
Ion Ratio Lower Upper  
117 100  
82 49.5 44.0 66.0  
119 33.5 25.1 37.7



#64  
Tetrachloroethene  
Concen: 41.486 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion:164 Resp: 80647  
Ion Ratio Lower Upper  
164 100  
166 132.1 94.9 142.3  
129 86.3 73.0 109.6  
131 85.5 69.2 103.8

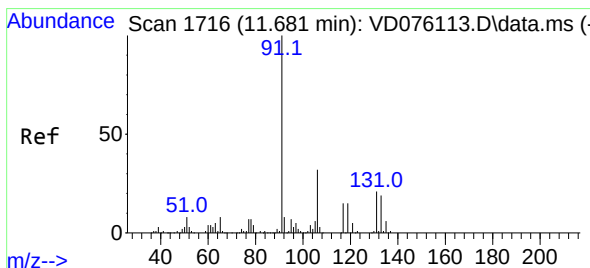
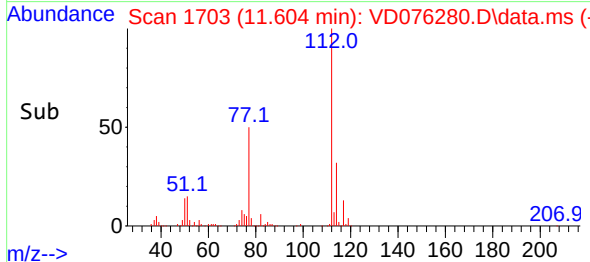
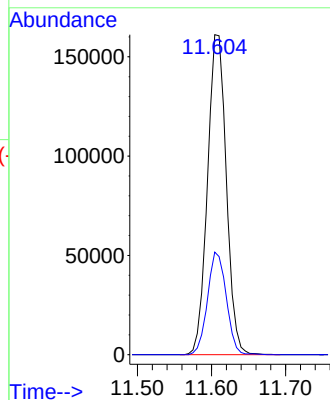
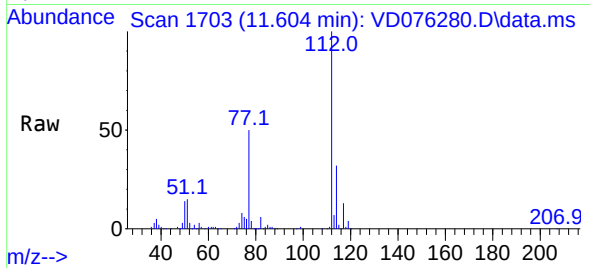




#65  
Chlorobenzene  
Concen: 49.408 ug/l  
RT: 11.604 min Scan# 1703  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

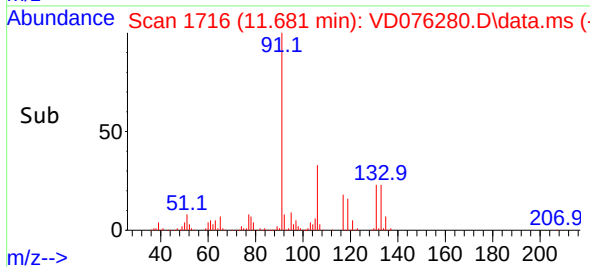
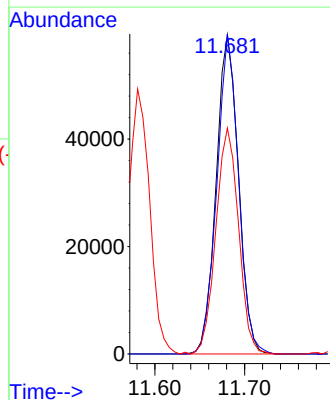
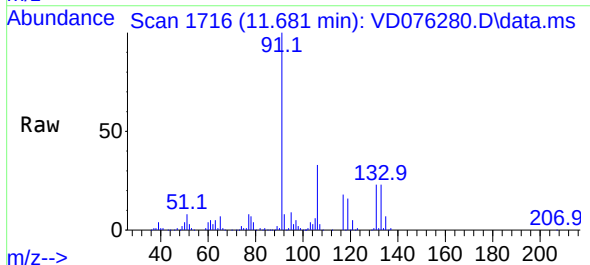
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

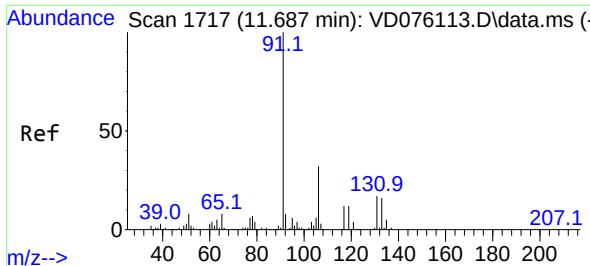
Tgt Ion:112 Resp: 284354  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.669 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion:131 Resp: 102335  
Ion Ratio Lower Upper  
131 100  
133 97.4 46.7 140.0  
119 72.3 31.9 95.9

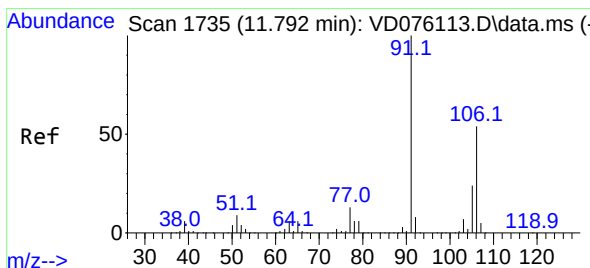
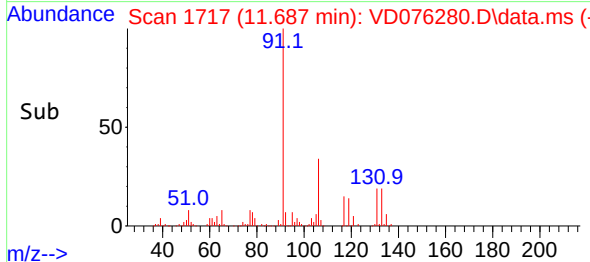
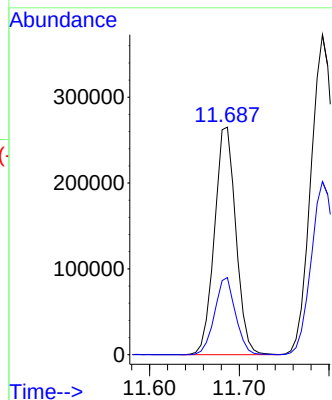
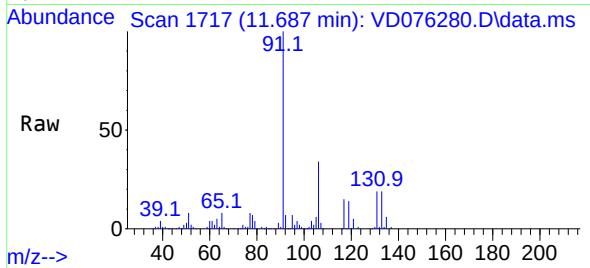




#67  
Ethyl Benzene  
Concen: 47.778 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

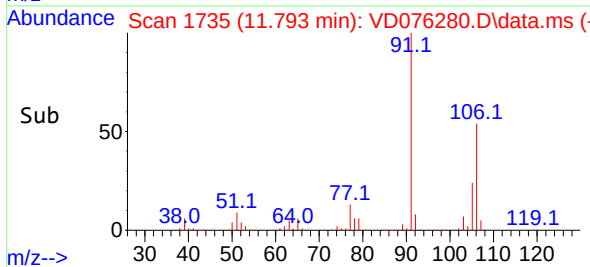
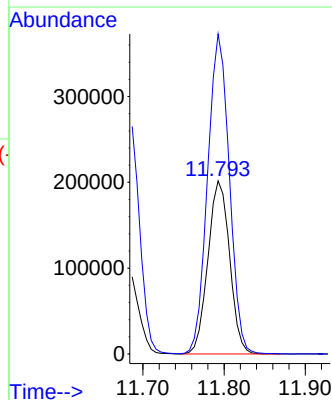
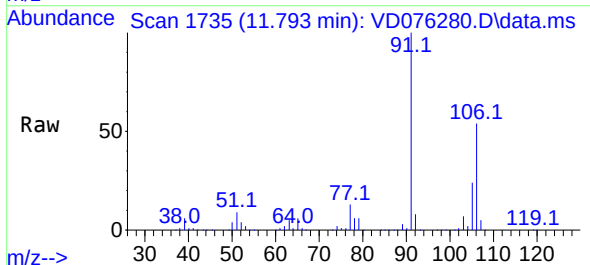
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

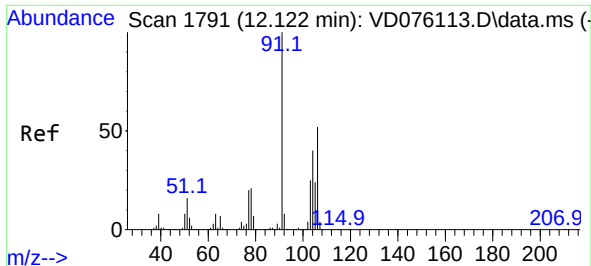
Tgt Ion: 91 Resp: 439386  
Ion Ratio Lower Upper  
91 100  
106 33.9 24.5 36.7



#68  
m/p-Xylenes  
Concen: 99.498 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion:106 Resp: 373972  
Ion Ratio Lower Upper  
106 100  
91 185.3 161.5 242.3

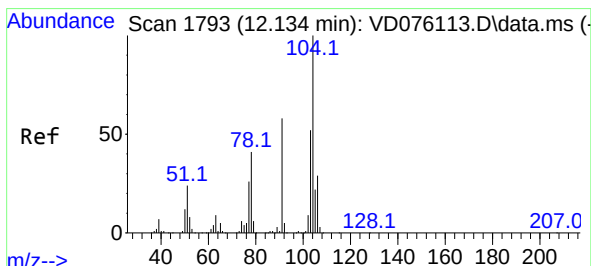
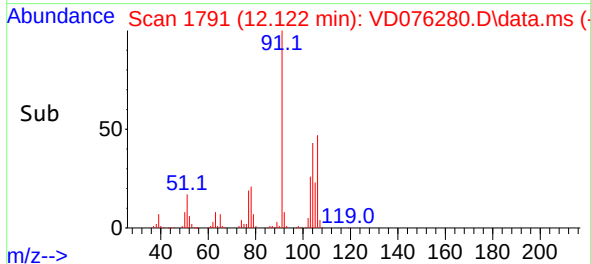
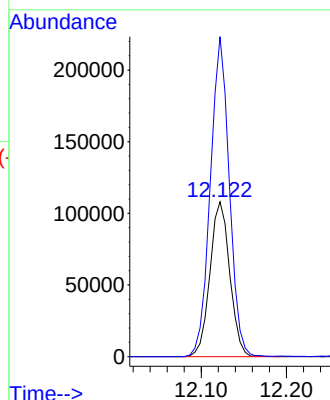
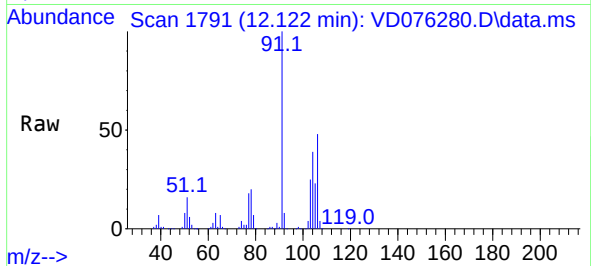




#69  
o-Xylene  
Concen: 50.803 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

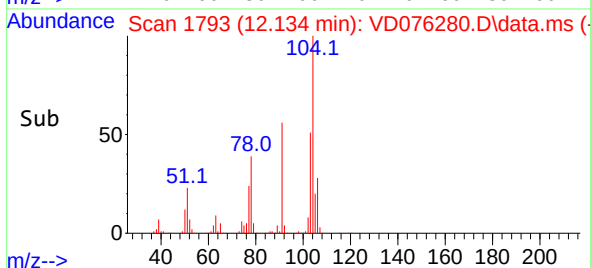
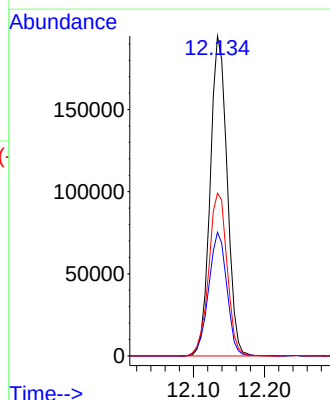
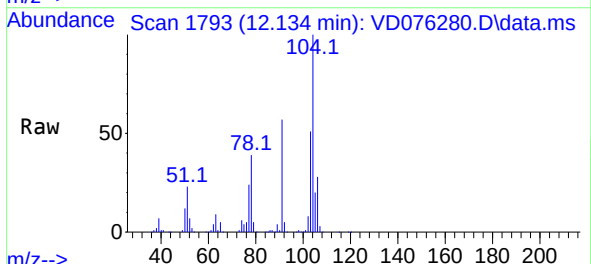
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

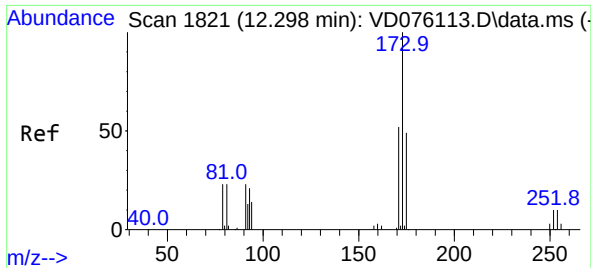
Tgt Ion:106 Resp: 174232  
Ion Ratio Lower Upper  
106 100  
91 198.2 105.7 317.1



#70  
Styrene  
Concen: 54.275 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion:104 Resp: 322721  
Ion Ratio Lower Upper  
104 100  
78 41.7 40.2 60.4  
103 55.3 44.2 66.2

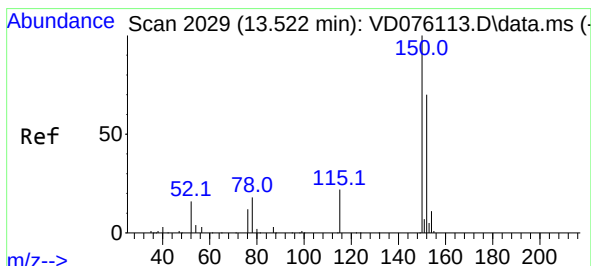
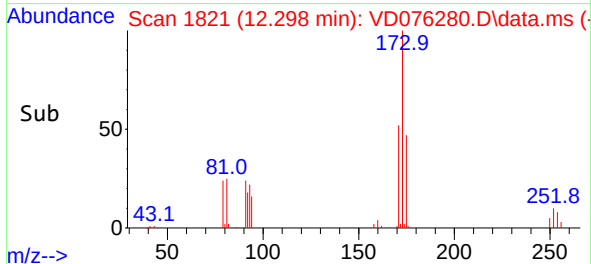
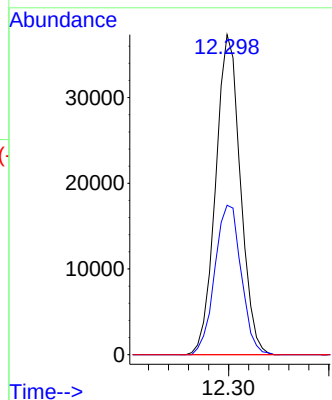
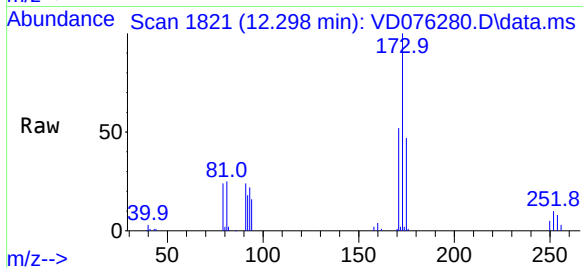




#71  
Bromoform  
Concen: 57.411 ug/l  
RT: 12.298 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

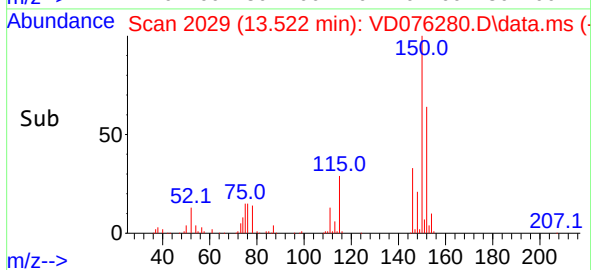
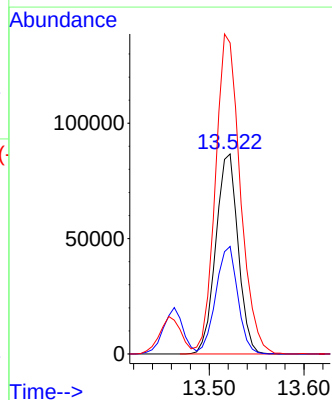
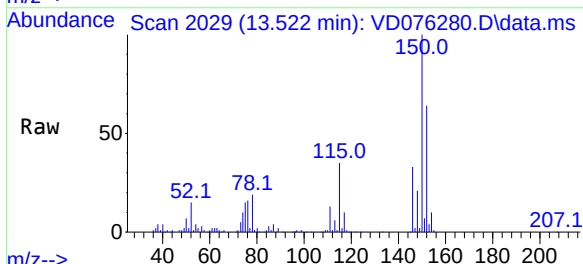
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 63959 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.9  | 23.5  | 70.5  |
| 254       | 0.0   | 0.0   | 0.0   |

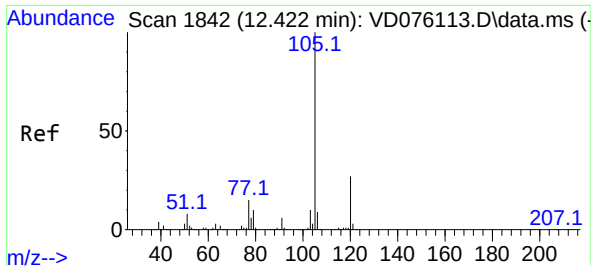


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 142047 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 53.0  | 30.1  | 90.3   |
| 150       | 178.1 | 0.0   | 364.8  |



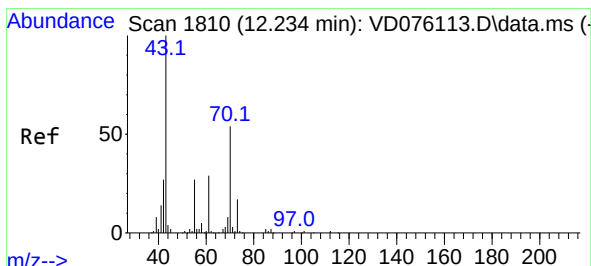
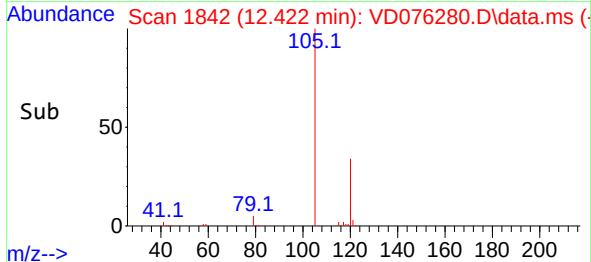
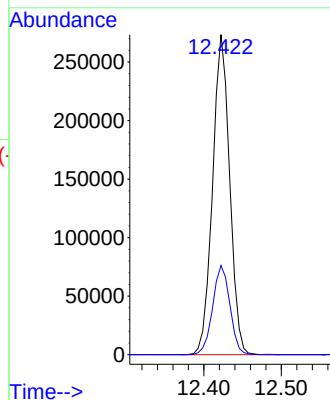
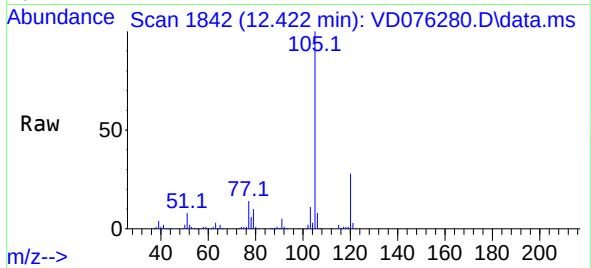




#73  
Isopropylbenzene  
Concen: 44.503 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

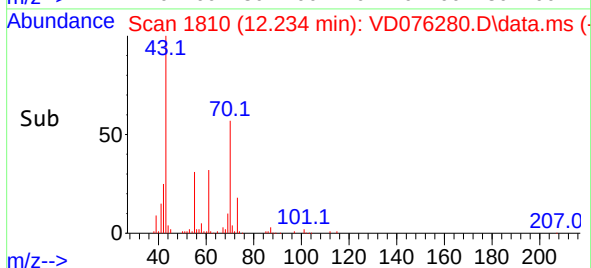
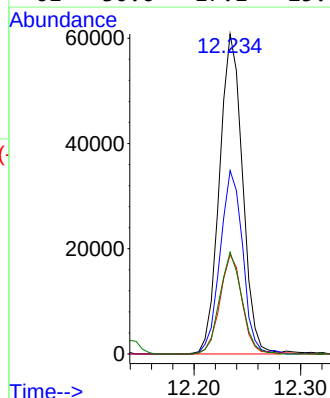
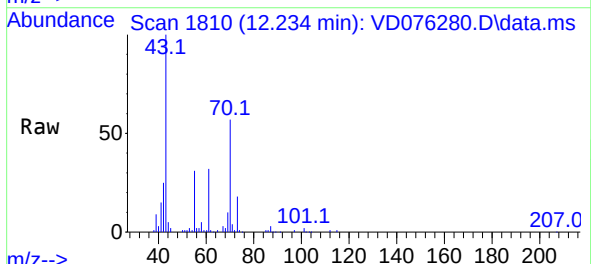
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

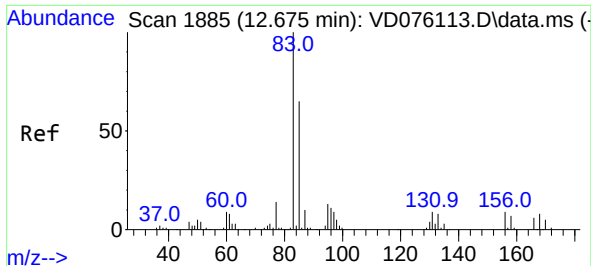
Tgt Ion:105 Resp: 418181  
Ion Ratio Lower Upper  
105 100  
120 28.1 13.4 40.1



#74  
N-ethyl acetate  
Concen: 54.579 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 43 Resp: 91350  
Ion Ratio Lower Upper  
43 100  
70 56.3 31.0 46.4#  
55 30.0 18.6 28.0#  
61 30.6 17.1 25.7#

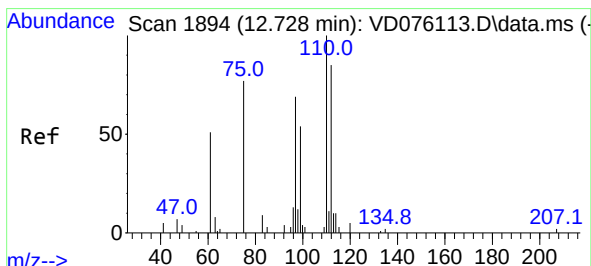
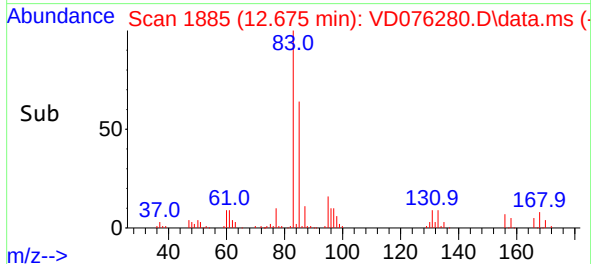
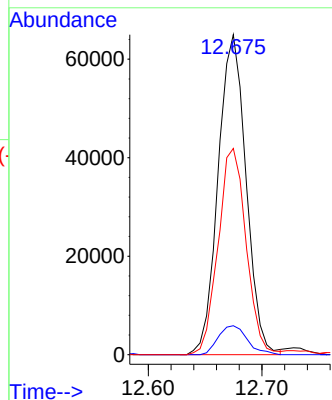
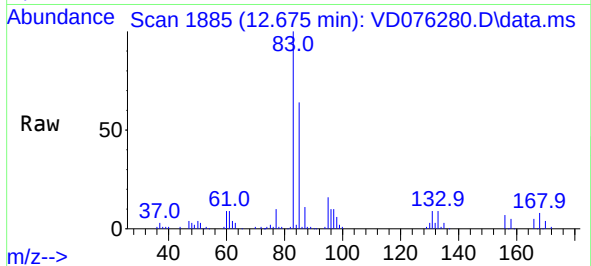




#75  
1,1,2,2-Tetrachloroethane  
Concen: 54.909 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

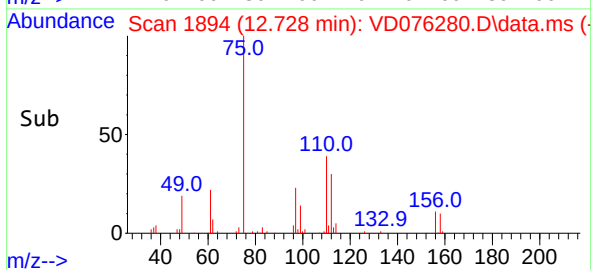
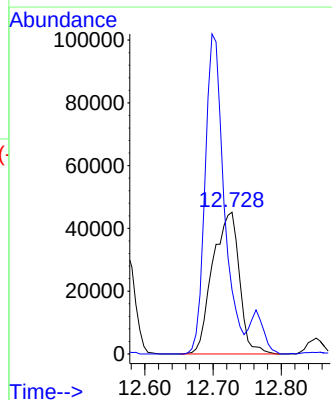
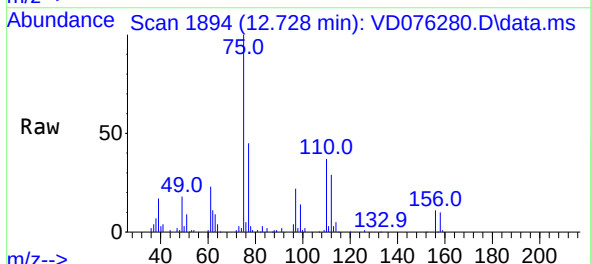
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

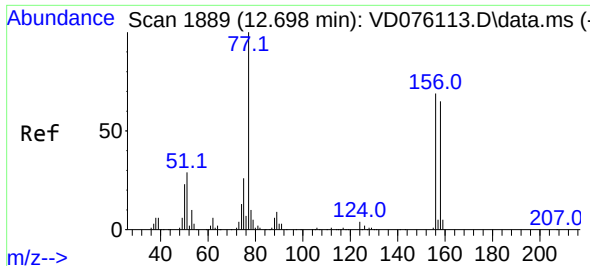
Tgt Ion: 83 Resp: 110892  
Ion Ratio Lower Upper  
83 100  
131 9.4 5.1 15.2  
85 64.6 33.6 100.6



#76  
1,2,3-Trichloropropane  
Concen: 99.318 ug/l  
RT: 12.728 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 75 Resp: 123455  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

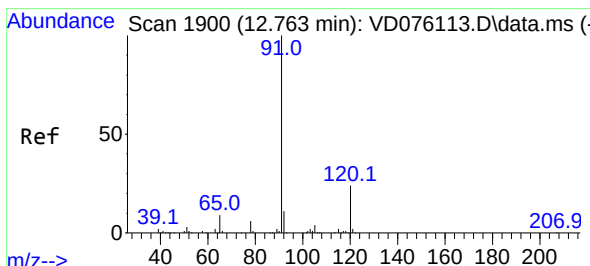
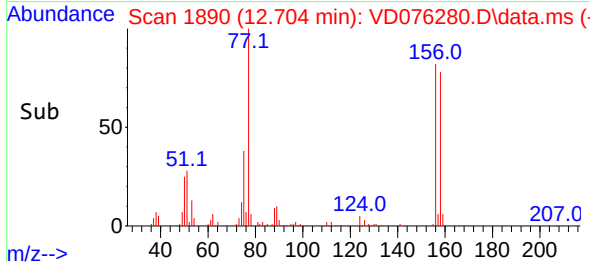
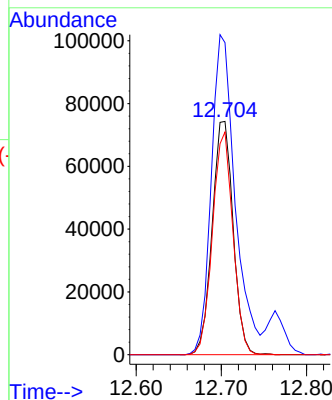
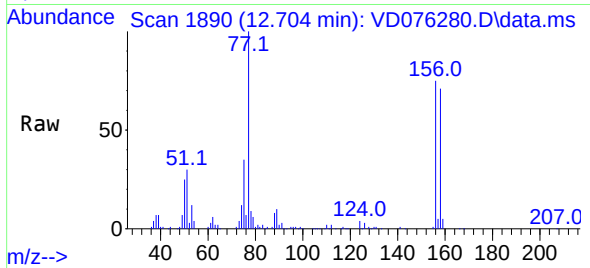




#77  
Bromobenzene  
Concen: 50.420 ug/l  
RT: 12.704 min Scan# 1889  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

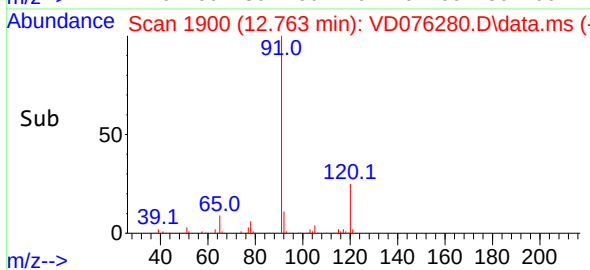
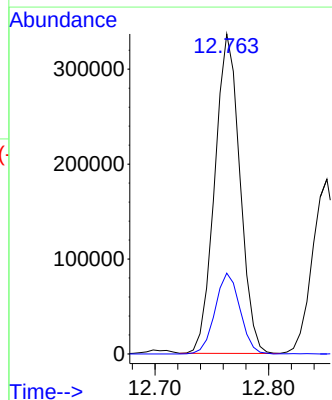
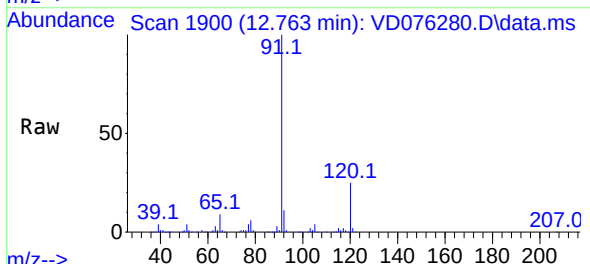
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

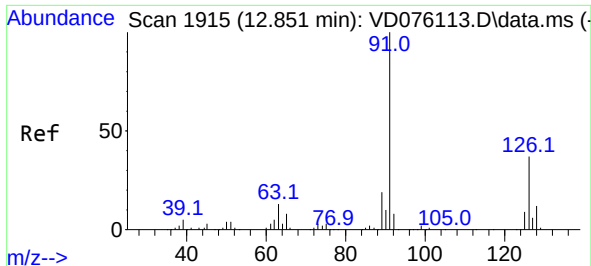
Tgt Ion:156 Resp: 126986  
Ion Ratio Lower Upper  
156 100  
77 155.7 89.5 268.6  
158 93.4 47.8 143.4



#78  
n-propylbenzene  
Concen: 44.275 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 91 Resp: 517849  
Ion Ratio Lower Upper  
91 100  
120 25.0 11.4 34.2





#79

2-Chlorotoluene

Concen: 45.446 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VD076280.D

Acq: 30 May 2023 18:00

Instrument :

MSVOA\_D

ClientSampleId :

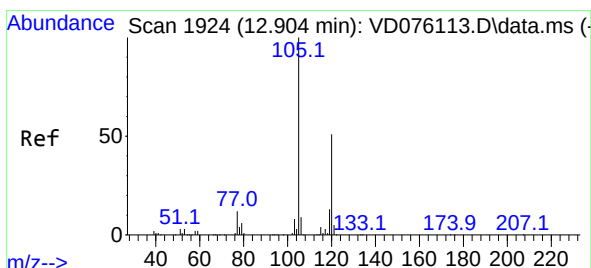
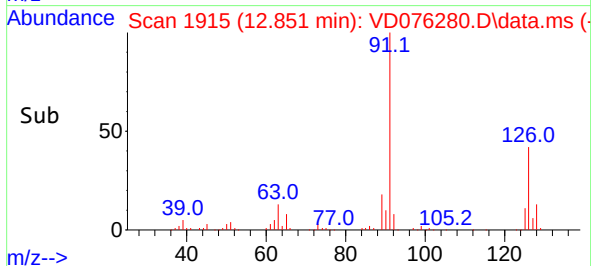
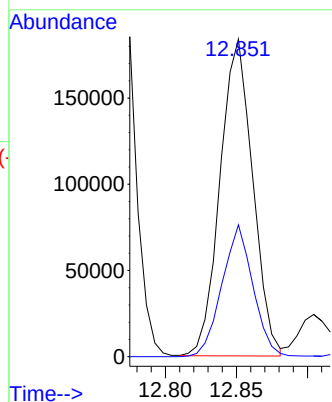
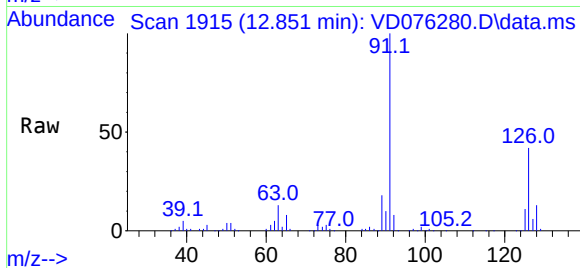
VSTDCCC050EC

Tgt Ion: 91 Resp: 294184

Ion Ratio Lower Upper

91 100

126 39.6 16.8 50.3



#80

1,3,5-Trimethylbenzene

Concen: 46.068 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD076280.D

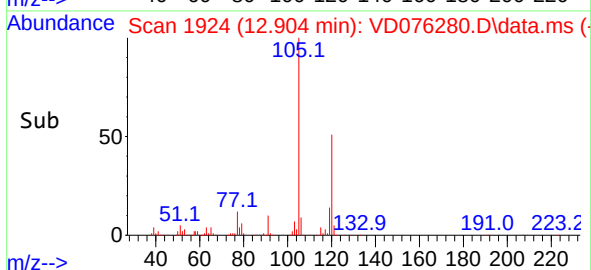
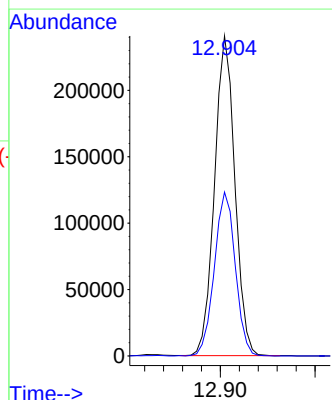
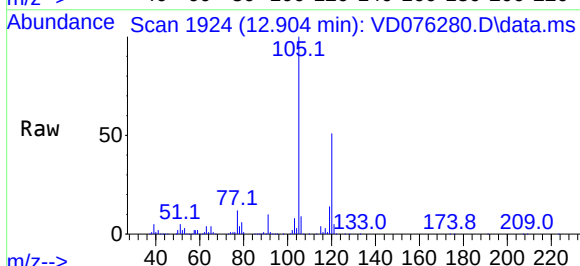
Acq: 30 May 2023 18:00

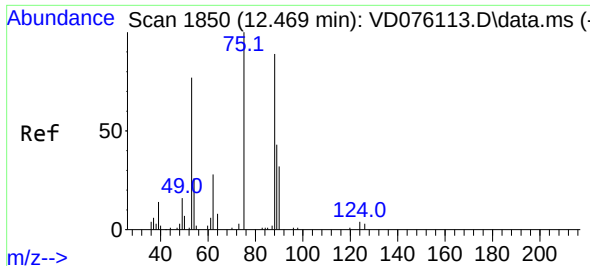
Tgt Ion: 105 Resp: 358854

Ion Ratio Lower Upper

105 100

120 52.7 24.3 72.8

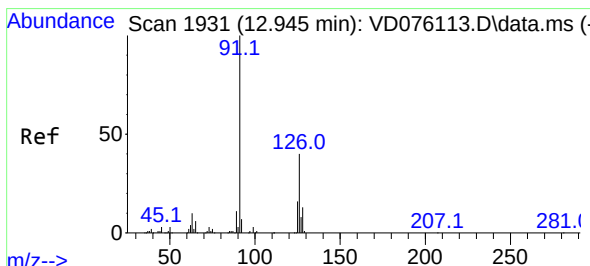
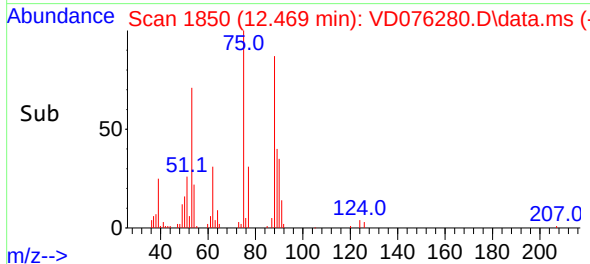
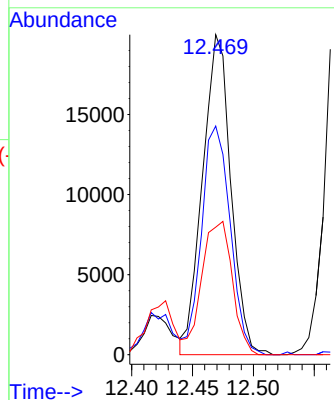
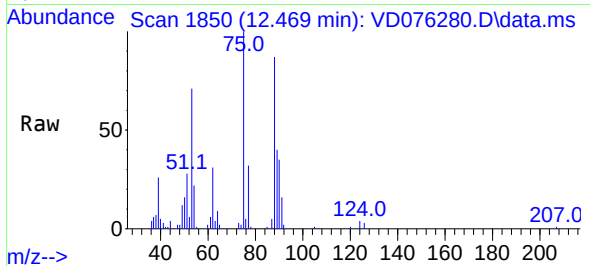




#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.588 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

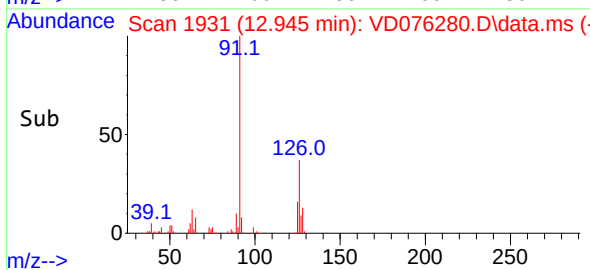
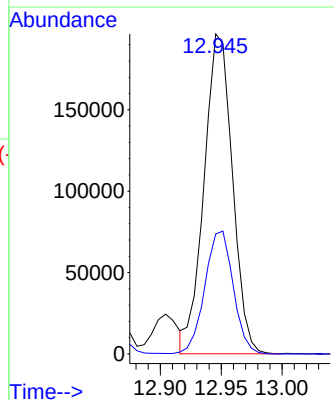
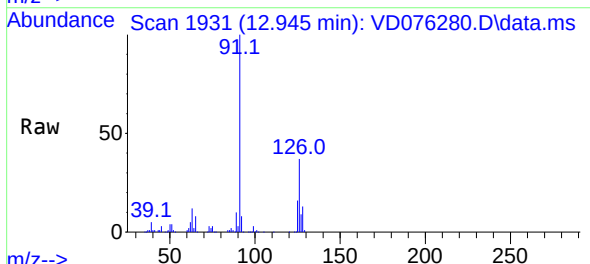
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

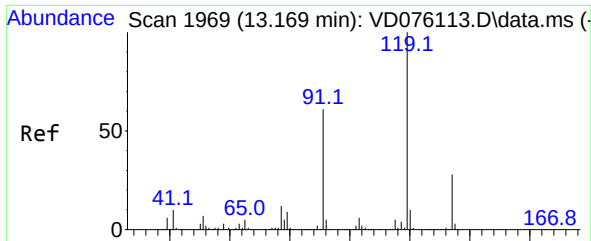
Tgt Ion: 75 Resp: 32345  
Ion Ratio Lower Upper  
75 100  
53 72.5 90.5 135.7#  
89 45.0 40.2 60.4



#82  
4-Chlorotoluene  
Concen: 46.374 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 91 Resp: 319303  
Ion Ratio Lower Upper  
91 100  
126 38.4 17.1 51.2

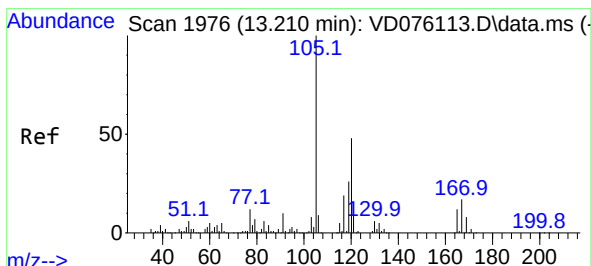
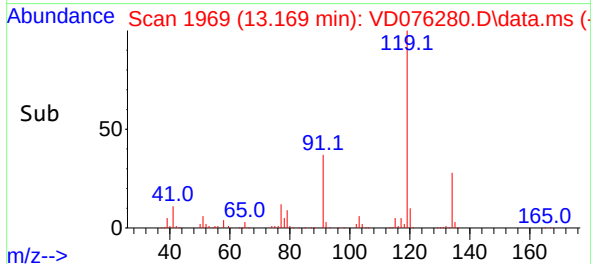
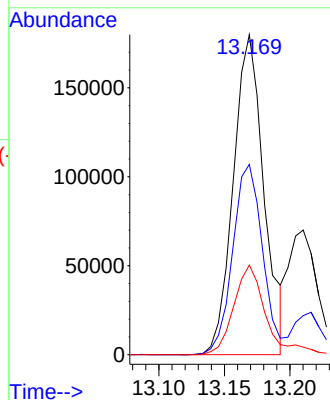
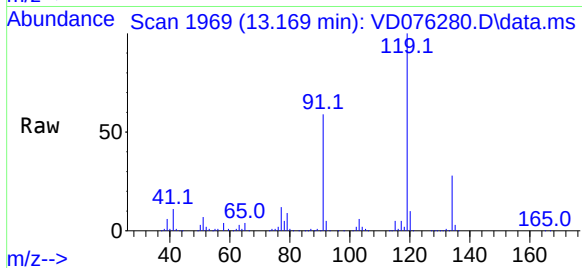




#83  
tert-Butylbenzene  
Concen: 44.360 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

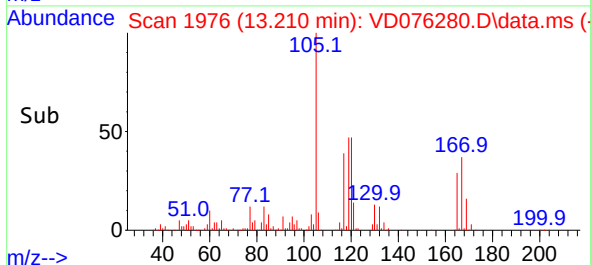
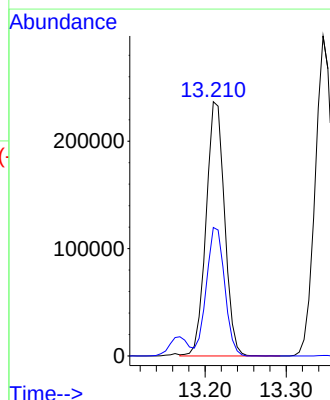
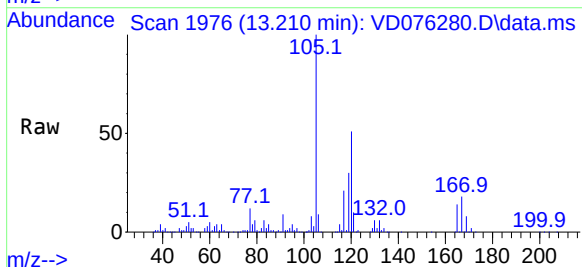
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

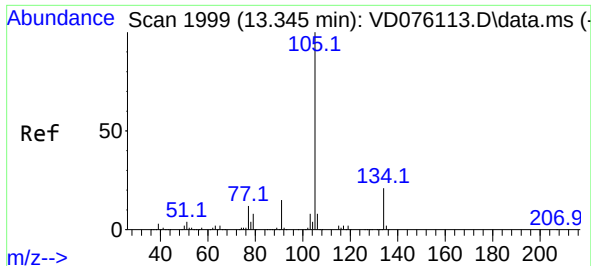
Tgt Ion:119 Resp: 292034  
Ion Ratio Lower Upper  
119 100  
91 57.9 32.4 97.0  
134 29.3 13.0 39.0



#84  
1,2,4-Trimethylbenzene  
Concen: 48.155 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion:105 Resp: 373572  
Ion Ratio Lower Upper  
105 100  
120 49.7 22.3 66.9

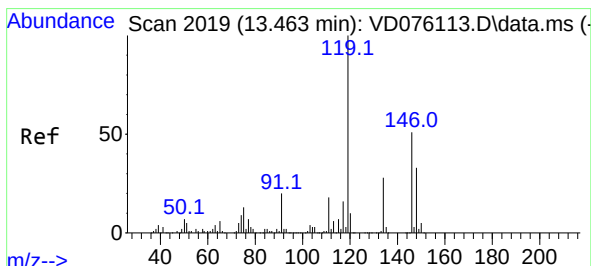
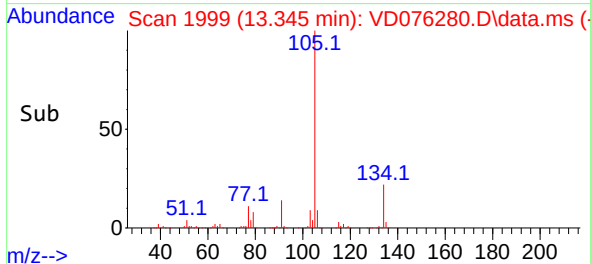
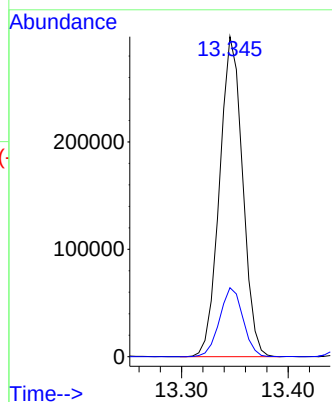
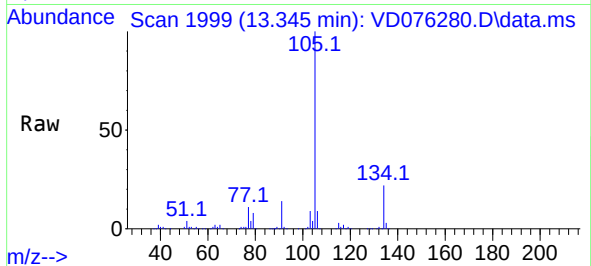




#85  
 sec-Butylbenzene  
 Concen: 43.670 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. 0.000 min  
 Lab File: VD076280.D  
 Acq: 30 May 2023 18:00

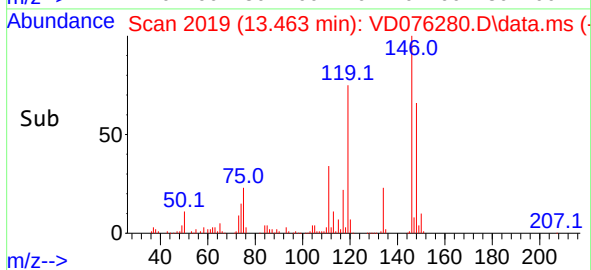
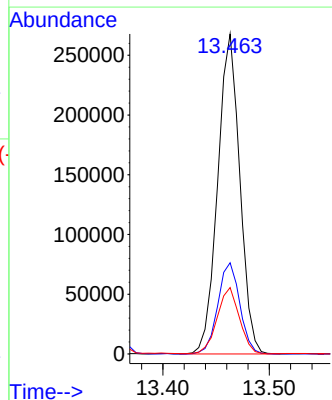
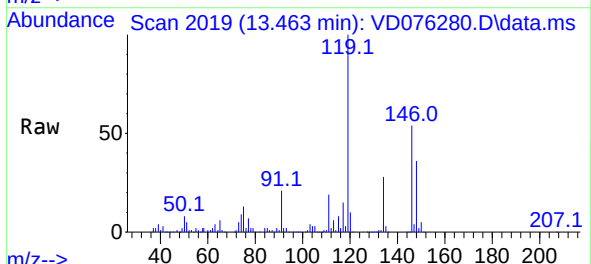
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

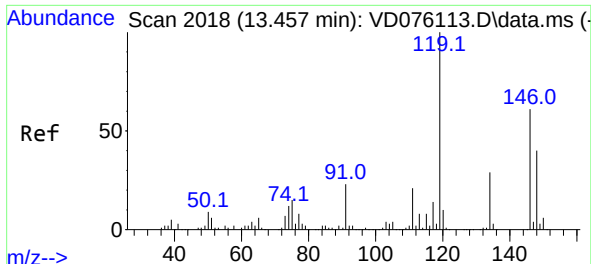
Tgt Ion:105 Resp: 448038  
 Ion Ratio Lower Upper  
 105 100  
 134 21.8 9.9 29.7



#86  
 p-Isopropyltoluene  
 Concen: 45.940 ug/l  
 RT: 13.463 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VD076280.D  
 Acq: 30 May 2023 18:00

Tgt Ion:119 Resp: 385662  
 Ion Ratio Lower Upper  
 119 100  
 134 28.3 13.1 39.3  
 91 20.7 12.4 37.4

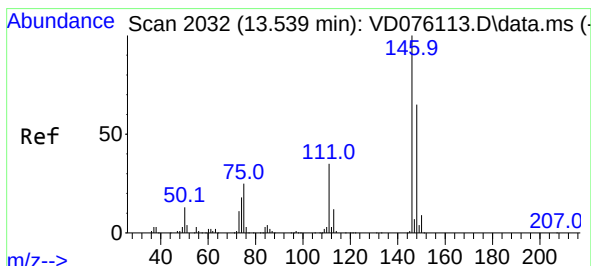
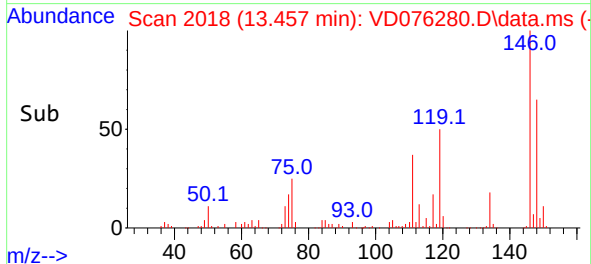
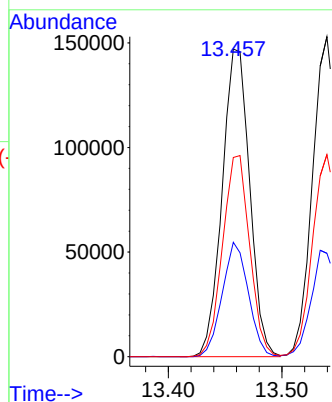
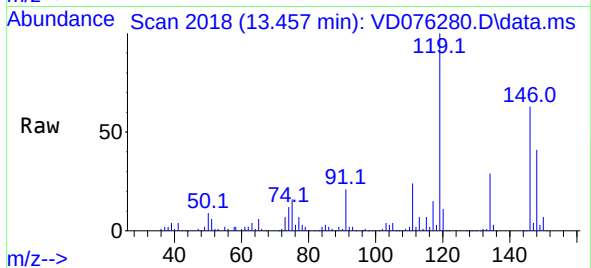




#87  
1,3-Dichlorobenzene  
Concen: 48.609 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

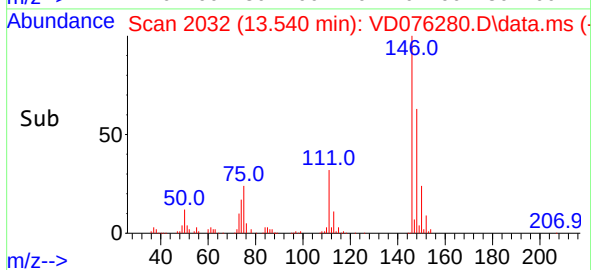
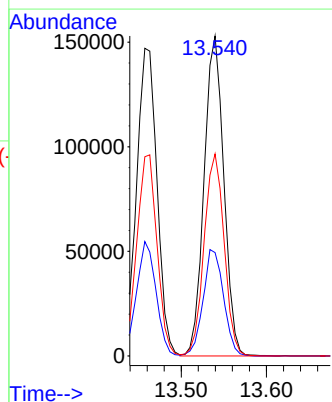
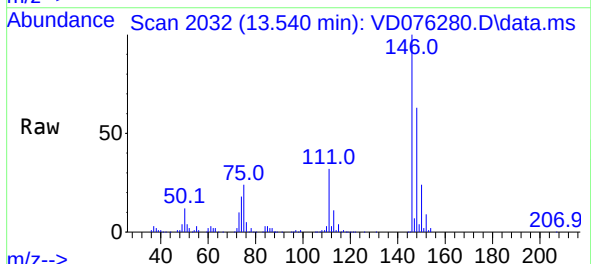
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:146 Resp: 247529  
Ion Ratio Lower Upper  
146 100  
111 35.5 19.8 59.3  
148 64.5 31.0 93.0

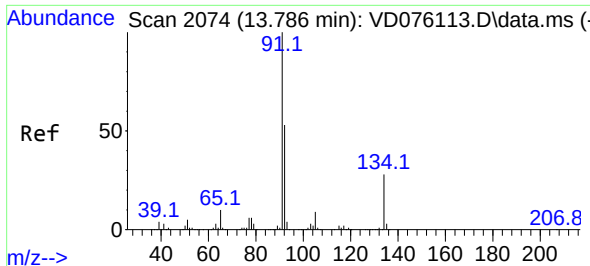


#88  
1,4-Dichlorobenzene  
Concen: 48.884 ug/l  
RT: 13.540 min Scan# 2032  
Delta R.T. 0.001 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion:146 Resp: 246483  
Ion Ratio Lower Upper  
146 100  
111 34.5 19.6 58.8  
148 64.2 31.7 95.1



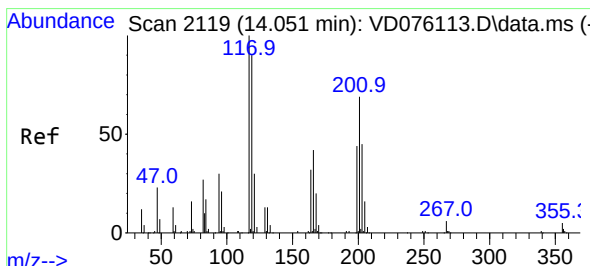
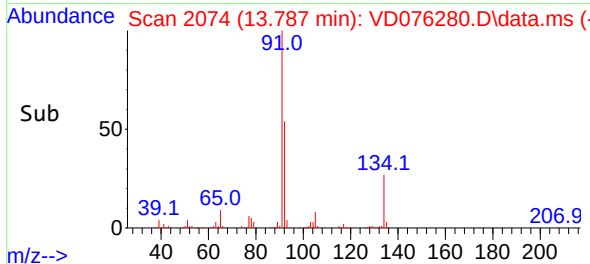
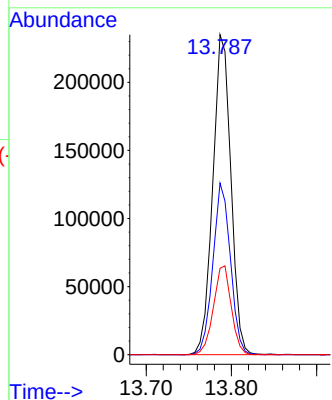
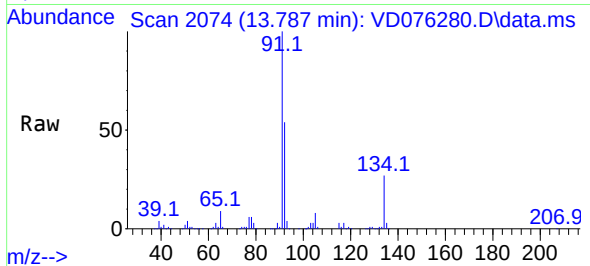




#89  
n-Butylbenzene  
Concen: 43.783 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. -0.005 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

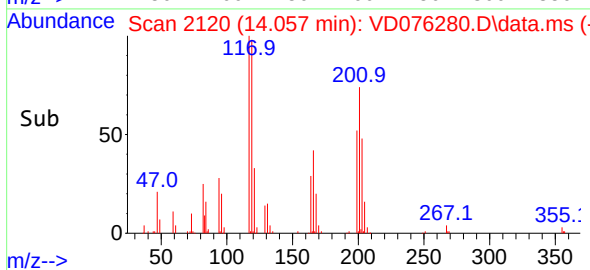
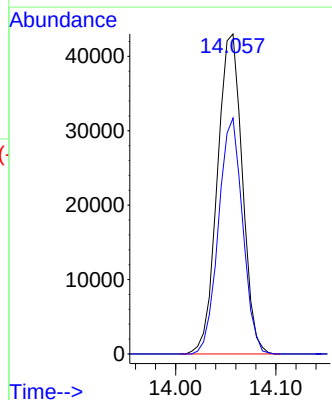
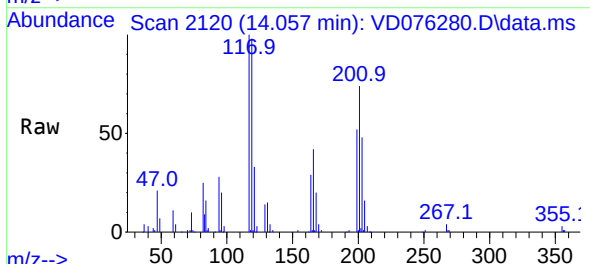
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

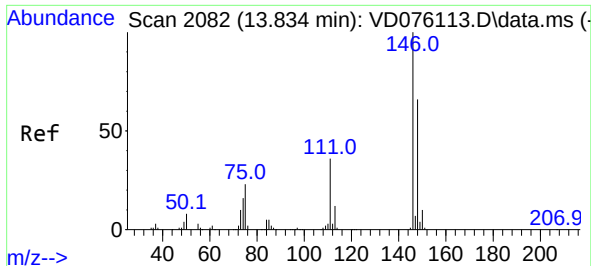
Tgt Ion: 91 Resp: 346376  
Ion Ratio Lower Upper  
91 100  
92 52.0 26.2 78.5  
134 27.4 12.7 38.0



#90  
Hexachloroethane  
Concen: 42.958 ug/l  
RT: 14.057 min Scan# 2120  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion: 117 Resp: 74179  
Ion Ratio Lower Upper  
117 100  
201 71.3 34.5 103.6





#91

1,2-Dichlorobenzene

Concen: 50.632 ug/l

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD076280.D

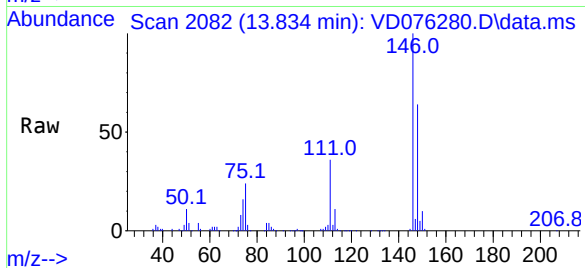
Acq: 30 May 2023 18:00

Instrument :

MSVOA\_D

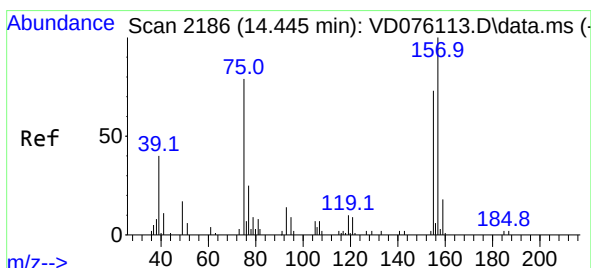
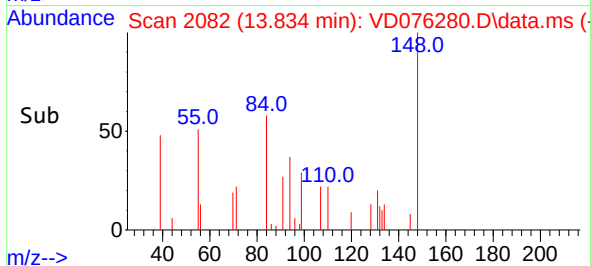
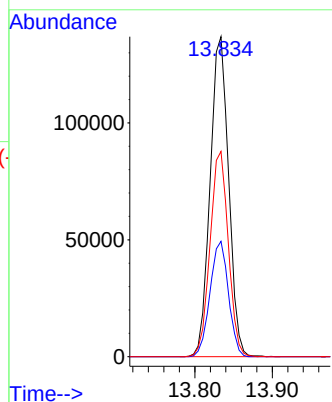
ClientSampleId :

VSTDCCC050EC



Tgt Ion:146 Resp: 226264

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 36.1  | 20.6  | 61.8  |
| 148 | 63.6  | 32.0  | 96.2  |



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.579 ug/l

RT: 14.445 min Scan# 2186

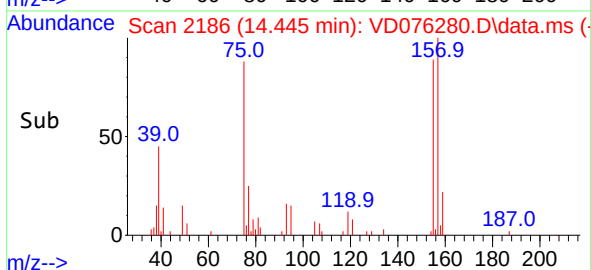
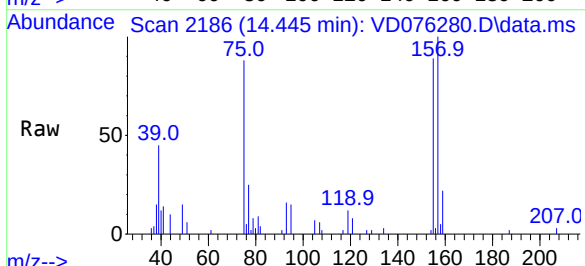
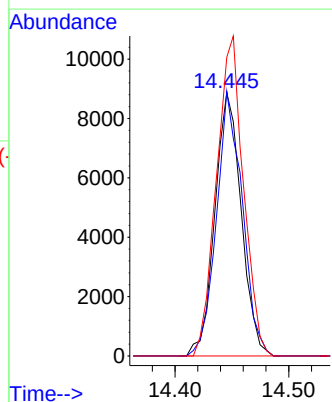
Delta R.T. -0.006 min

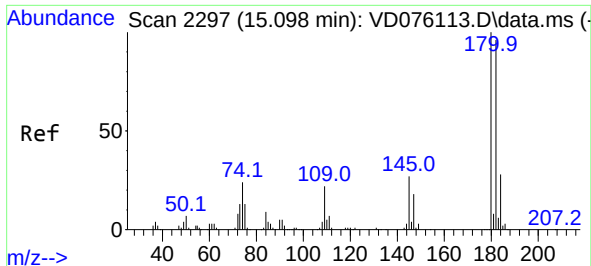
Lab File: VD076280.D

Acq: 30 May 2023 18:00

Tgt Ion: 75 Resp: 14312

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 98.2  | 39.5  | 118.5 |
| 157 | 124.1 | 53.5  | 160.7 |

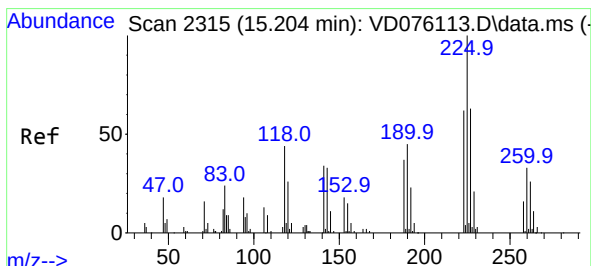
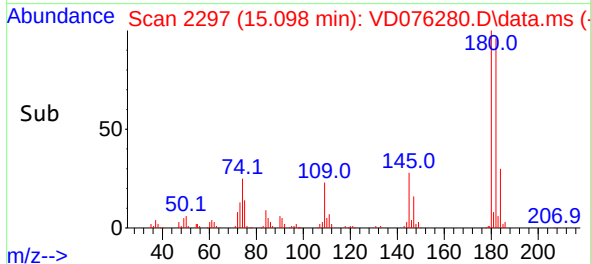
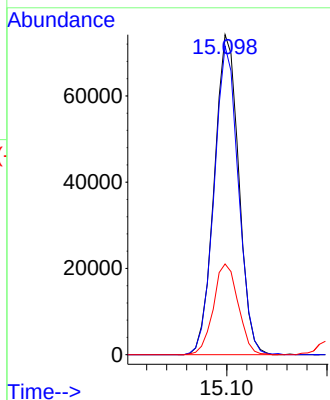
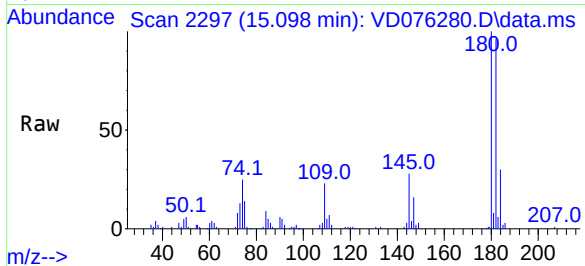




#93  
1,2,4-Trichlorobenzene  
Concen: 48.117 ug/l  
RT: 15.098 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

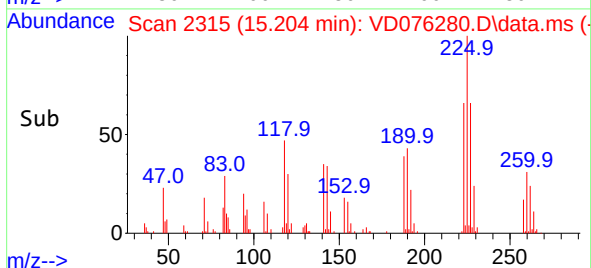
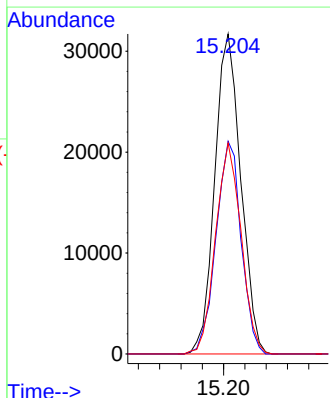
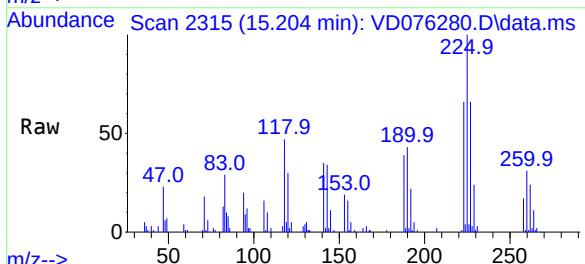
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

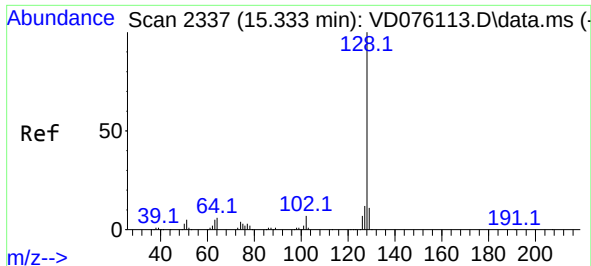
Tgt Ion:180 Resp: 125075  
Ion Ratio Lower Upper  
180 100  
182 95.7 47.9 143.7  
145 28.8 15.9 47.7



#94  
Hexachlorobutadiene  
Concen: 40.552 ug/l  
RT: 15.204 min Scan# 2315  
Delta R.T. 0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Tgt Ion:225 Resp: 53746  
Ion Ratio Lower Upper  
225 100  
223 64.3 33.1 99.2  
227 64.5 31.9 95.9

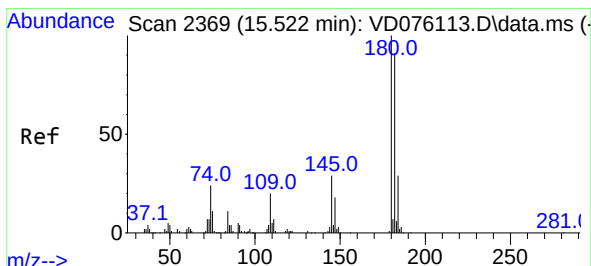
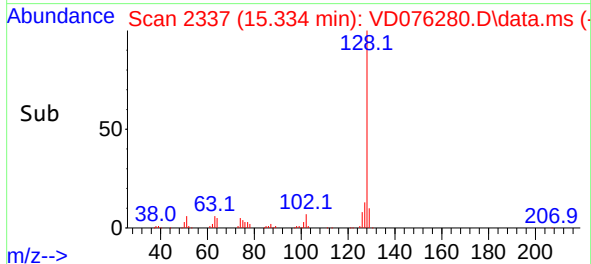
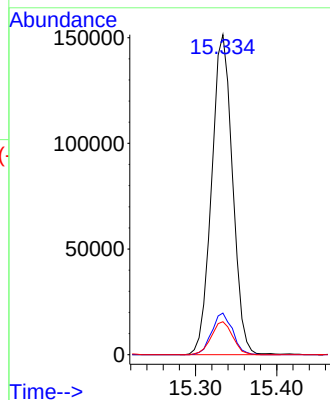
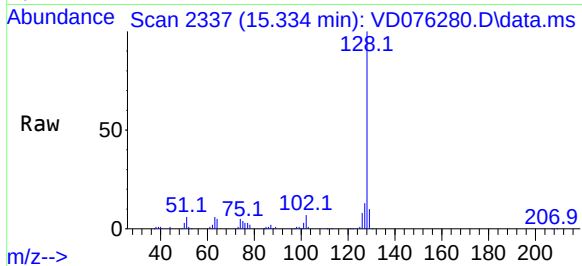




#95  
Naphthalene  
Concen: 56.045 ug/l  
RT: 15.334 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 270689 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.0  | 10.4  | 15.6   |
| 129      | 10.6  | 8.8   | 13.2   |



#96  
1,2,3-Trichlorobenzene  
Concen: 48.801 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.006 min  
Lab File: VD076280.D  
Acq: 30 May 2023 18:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 115368 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 98.2  | 47.7  | 143.1  |
| 145      | 29.6  | 16.4  | 49.4   |

