

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052224\  
 Data File : VD078978.D  
 Acq On : 22 May 2024 14:41  
 Operator : RP/MD  
 Sample : VD0522SBS01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: May 23 06:03:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 14 06:21:28 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.875  | 168   | 114992   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775  | 114   | 199057   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 183795   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516 | 152   | 92727    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228  | 65    | 52937    | 49.078   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 98.160%  |
| 35) Dibromofluoromethane     | 7.804  | 113   | 62785    | 47.383   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 94.760%  |
| 50) Toluene-d8               | 10.269 | 98    | 241189   | 48.554   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =      | 97.100%  |
| 62) 4-Bromofluorobenzene     | 12.569 | 95    | 67091    | 48.077   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | =      | 96.160%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934  | 85    | 20056    | 18.666   | ug/l   | 97       |
| 3) Chloromethane             | 2.146  | 50    | 39392    | 25.826   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.281  | 62    | 59310    | 25.474   | ug/l   | 94       |
| 5) Bromomethane              | 2.681  | 94    | 55911    | 25.364   | ug/l   | 95       |
| 6) Chloroethane              | 2.828  | 64    | 49480    | 24.057   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.163  | 101   | 40110    | 17.810   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.593  | 74    | 10449    | 19.906   | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.963  | 101   | 23389    | 19.668   | ug/l   | 96       |
| 10) Methyl Iodide            | 4.158  | 142   | 26138    | 18.397   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.052  | 59    | 5648     | 120.152  | ug/l # | 86       |
| 12) 1,1-Dichloroethene       | 3.934  | 96    | 24462    | 21.014   | ug/l   | 99       |
| 13) Acrolein                 | 3.799  | 56    | 9038     | 84.173   | ug/l   | 98       |
| 14) Allyl chloride           | 4.552  | 41    | 24949    | 21.964   | ug/l   | 99       |
| 15) Acrylonitrile            | 5.257  | 53    | 21996    | 105.499  | ug/l   | 96       |
| 16) Acetone                  | 4.028  | 43    | 14373    | 83.573   | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.263  | 76    | 72569    | 20.332   | ug/l   | 95       |
| 18) Methyl Acetate           | 4.563  | 43    | 8309     | 20.983   | ug/l # | 64       |
| 19) Methyl tert-butyl Ether  | 5.316  | 73    | 45057    | 19.865   | ug/l   | 91       |
| 20) Methylene Chloride       | 4.793  | 84    | 39759    | 26.288   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.305  | 96    | 28013    | 21.590   | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.216  | 45    | 56438    | 21.968   | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.152  | 43    | 154851   | 100.492  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.104  | 63    | 46700    | 22.930   | ug/l   | 93       |
| 25) 2-Butanone               | 7.081  | 43    | 23126    | 100.539  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.069  | 77    | 38102    | 21.289   | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.081  | 96    | 32092    | 21.064   | ug/l   | 95       |
| 28) Bromochloromethane       | 7.422  | 49    | 13685    | 20.149   | ug/l   | 93       |
| 29) Tetrahydrofuran          | 7.446  | 42    | 12645    | 95.044   | ug/l   | 98       |
| 30) Chloroform               | 7.593  | 83    | 52876    | 22.922   | ug/l   | 95       |
| 31) Cyclohexane              | 7.869  | 56    | 28411    | 18.029   | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 7.793  | 97    | 44613    | 22.583   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.004  | 75    | 33458    | 20.291   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.163  | 43    | 10525    | 18.730   | ug/l   | 94       |
| 38) Carbon Tetrachloride     | 7.993  | 117   | 39124    | 20.275   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.275  | 83    | 34118    | 17.029   | ug/l   | 95       |
| 40) Benzene                  | 8.246  | 78    | 110072   | 20.639   | ug/l # | 90       |

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 Sample : VD0522SBS01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: May 23 06:03:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 14 06:21:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.393  | 41   | 5492     | 18.163  | ug/l # | 89       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 26662    | 20.654  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 19996    | 20.054  | ug/l # | 83       |
| 44) Trichloroethene           | 9.028  | 130  | 27310    | 19.306  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.298  | 63   | 24398    | 20.818  | ug/l   | 99       |
| 46) Dibromomethane            | 9.393  | 93   | 15530    | 20.129  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.581  | 83   | 37690    | 20.294  | ug/l # | 94       |
| 48) Methyl methacrylate       | 9.375  | 41   | 8143     | 16.776  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 2704     | 398.434 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 49510    | 93.224  | ug/l   | 96       |
| 52) Toluene                   | 10.328 | 92   | 70176    | 20.556  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 30661    | 19.429  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 37703    | 19.905  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 18668    | 18.729  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.592 | 69   | 19618    | 19.130  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 30647    | 19.746  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 42745    | 97.008  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.916 | 43   | 33371    | 90.275  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.069 | 129  | 27363    | 20.138  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 18642    | 20.512  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.804 | 164  | 24129    | 20.693  | ug/l   | 90       |
| 65) Chlorobenzene             | 11.604 | 112  | 79184    | 20.712  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 28203    | 21.339  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.681 | 91   | 127999   | 20.815  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.792 | 106  | 104619   | 41.847  | ug/l   | 97       |
| 69) o-Xylene                  | 12.122 | 106  | 46235    | 20.286  | ug/l   | 92       |
| 70) Styrene                   | 12.134 | 104  | 83393    | 20.645  | ug/l   | 98       |
| 71) Bromoform                 | 12.298 | 173  | 14311    | 18.903  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.422 | 105  | 122238   | 22.087  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.228 | 43   | 18882    | 21.026  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 21842    | 21.879  | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 25391    | 38.895  | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 30782    | 21.151  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.763 | 91   | 147128   | 21.994  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 82489    | 22.187  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 100581   | 21.874  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.463 | 75   | 7127     | 21.650  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 85597    | 21.945  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.163 | 119  | 88686    | 21.809  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 103113   | 21.650  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 131637   | 21.701  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 112051   | 21.202  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 64588    | 20.972  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 63719    | 21.126  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.786 | 91   | 96313    | 20.337  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.051 | 117  | 25782    | 23.127  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 57097    | 22.158  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 2606     | 19.608  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 29636    | 19.588  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 16410    | 20.754  | ug/l   | 97       |
| 95) Naphthalene               | 15.328 | 128  | 50179    | 19.470  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 25974    | 19.299  | ug/l   | 97       |

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Sample : VD0522SBS01  
Misc : 5.00G/5ml/MSVOA\_D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: May 23 06:03:28 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051324S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 14 06:21:28 2024  
Response via : Initial Calibration

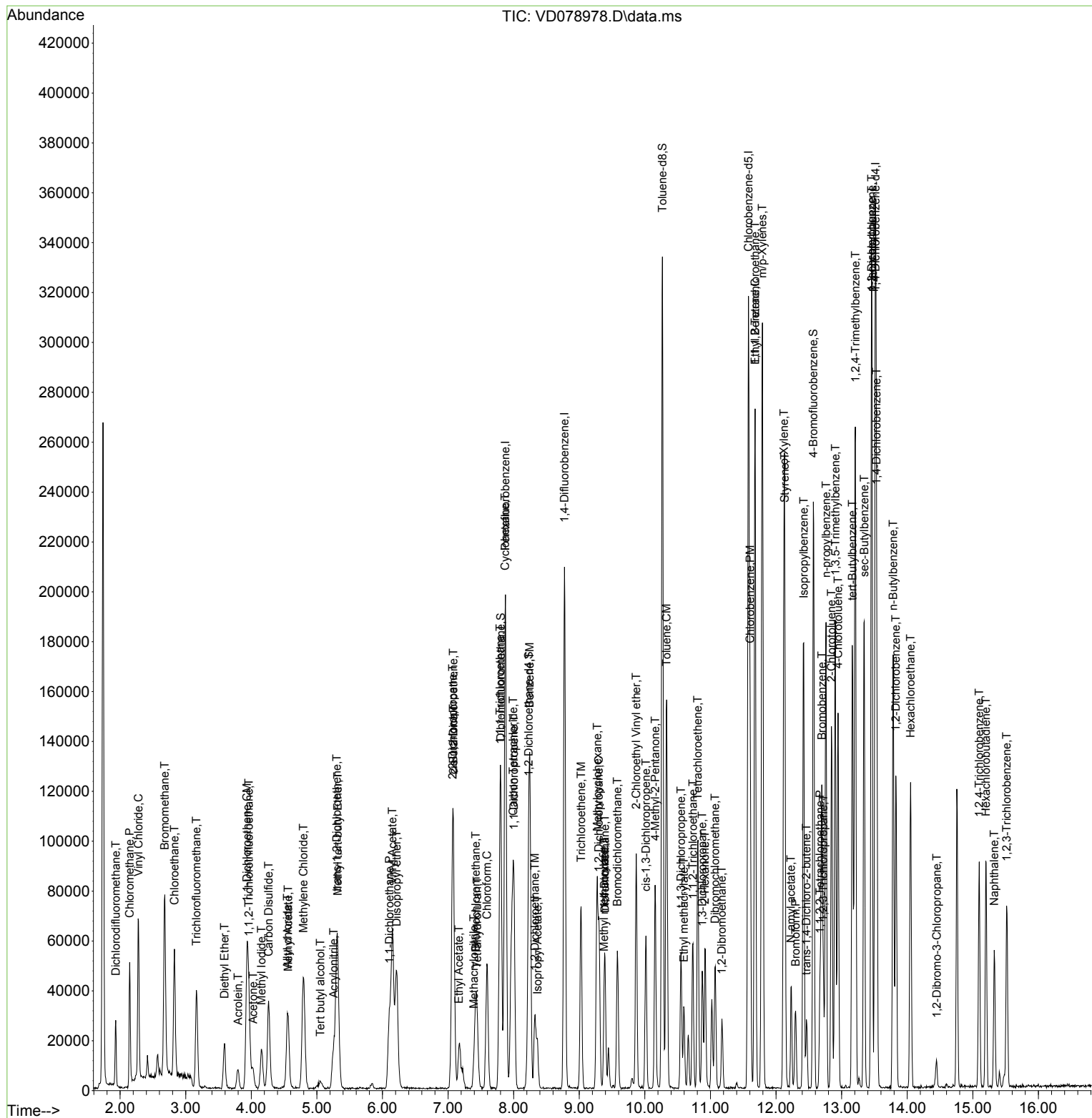
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

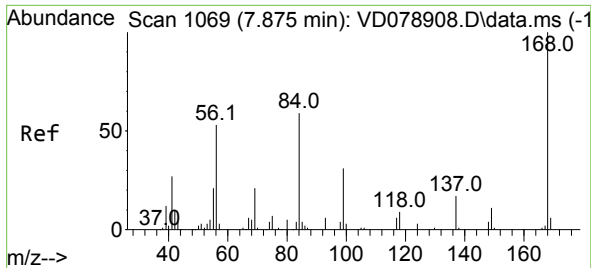
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 Sample : VD0522SBS01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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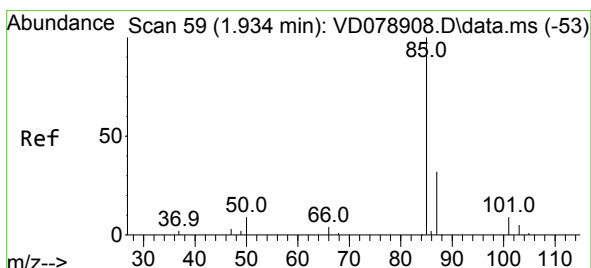
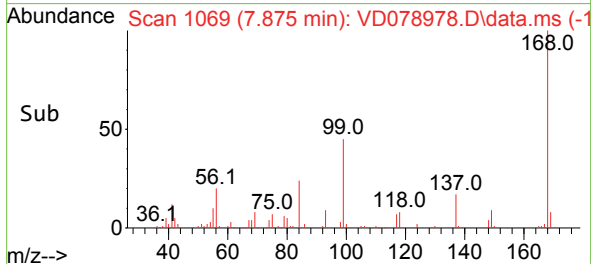
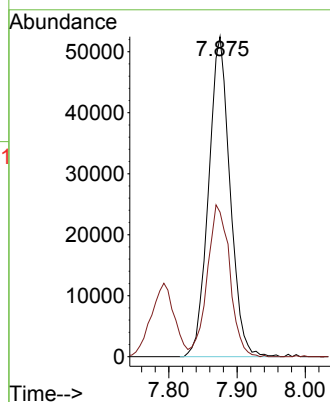
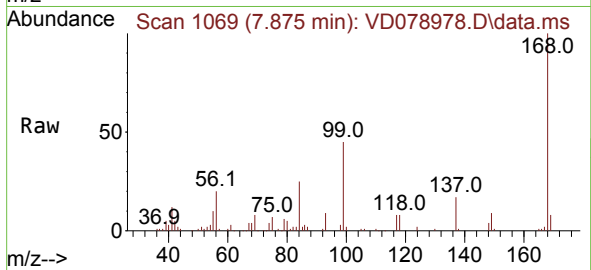




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

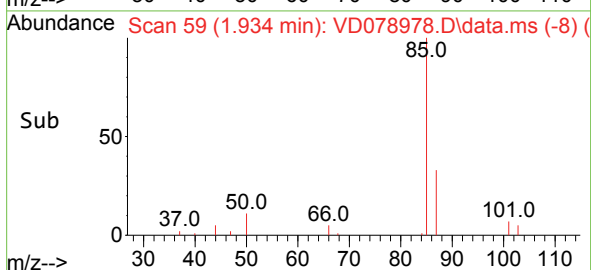
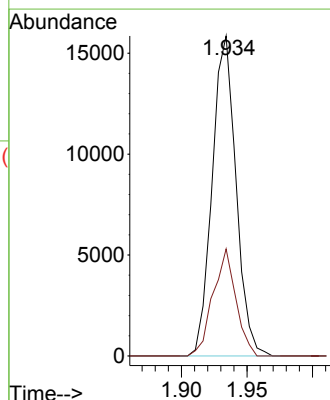
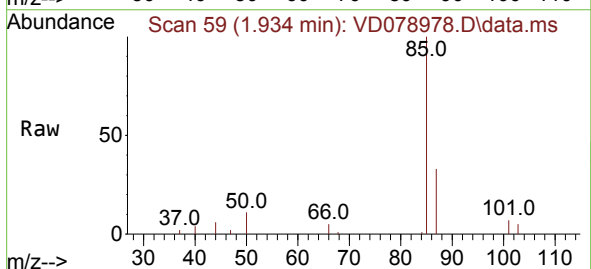
Instrument :  
MSVOA\_D  
ClientSampleId :

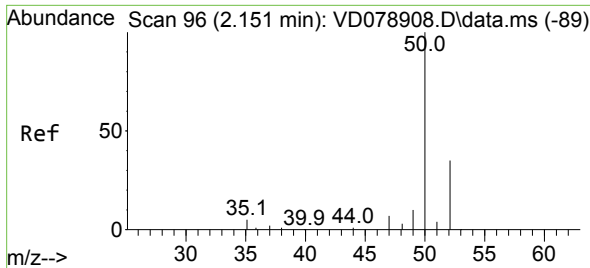
Tgt Ion:168 Resp: 114992  
Ion Ratio Lower Upper  
168 100  
99 45.1 41.1 61.7



#2  
Dichlorodifluoromethane  
Concen: 18.666 ug/l  
RT: 1.934 min Scan# 59  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 85 Resp: 20056  
Ion Ratio Lower Upper  
85 100  
87 33.5 16.0 48.0

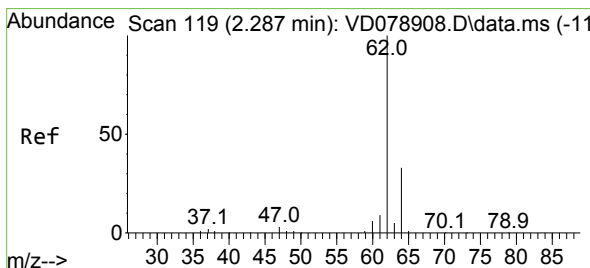
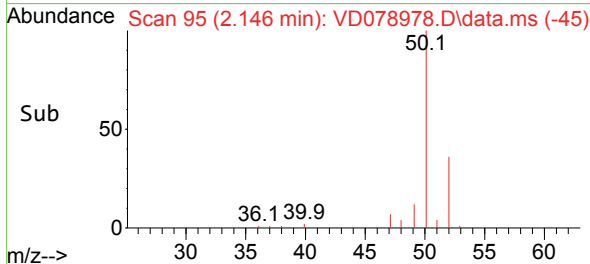
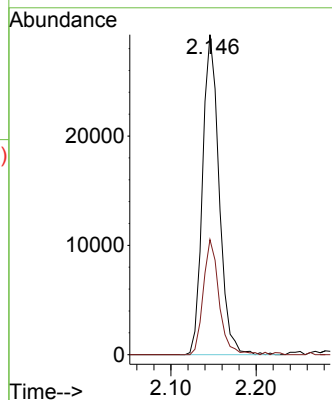
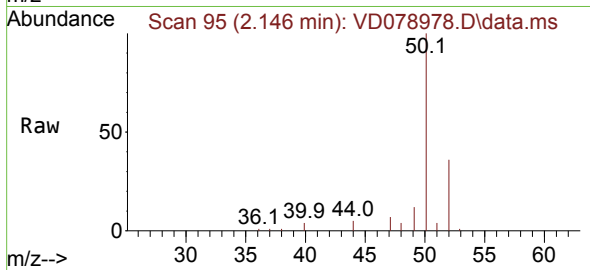




#3  
Chloromethane  
Concen: 25.826 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. -0.005 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

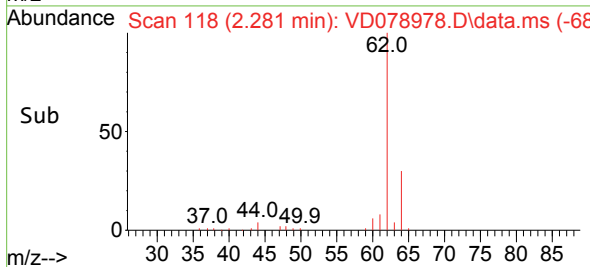
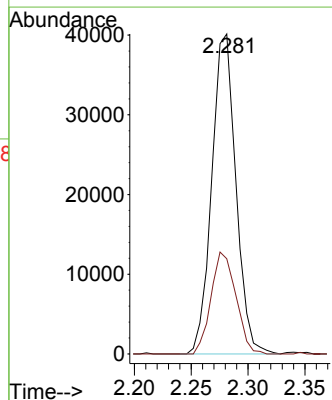
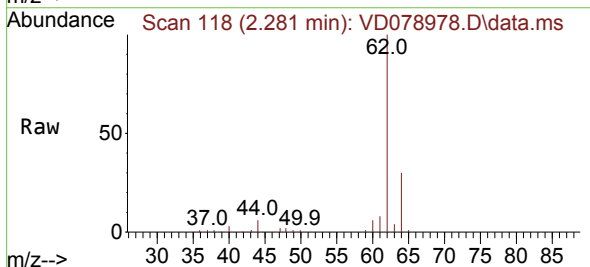
Instrument :  
MSVOA\_D  
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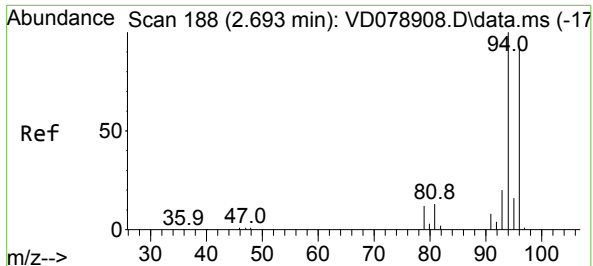
Tgt Ion: 50 Resp: 39392  
Ion Ratio Lower Upper  
50 100  
52 36.0 28.2 42.2



#4  
Vinyl Chloride  
Concen: 25.474 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 62 Resp: 59310  
Ion Ratio Lower Upper  
62 100  
64 29.7 26.3 39.5

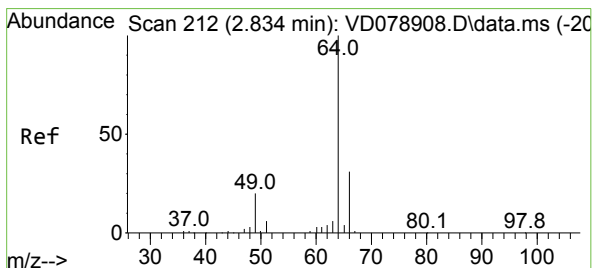
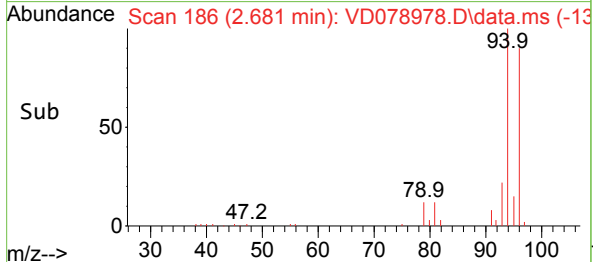
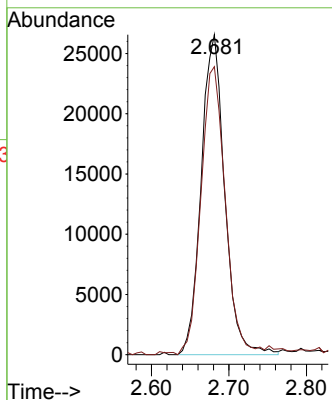
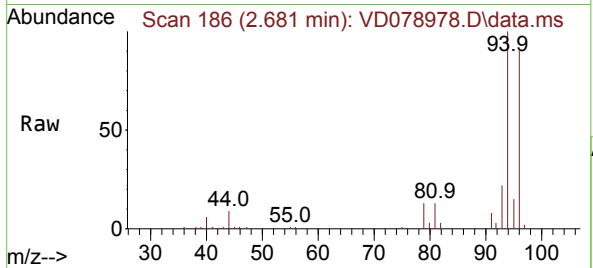




#5  
Bromomethane  
Concen: 25.364 ug/l  
RT: 2.681 min Scan# 186  
Delta R.T. -0.012 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

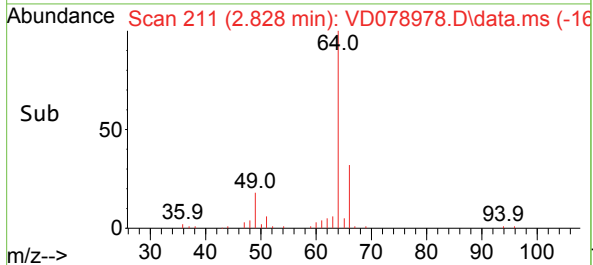
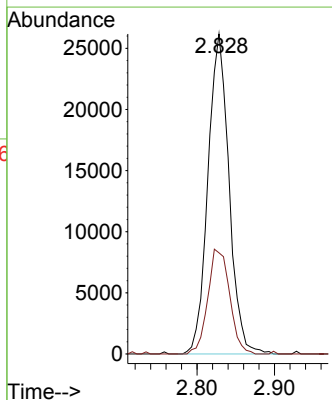
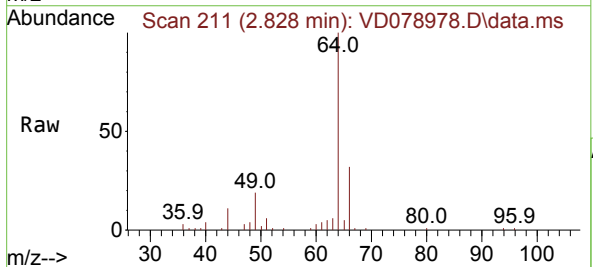
Instrument :  
MSVOA\_D  
ClientSampleId :

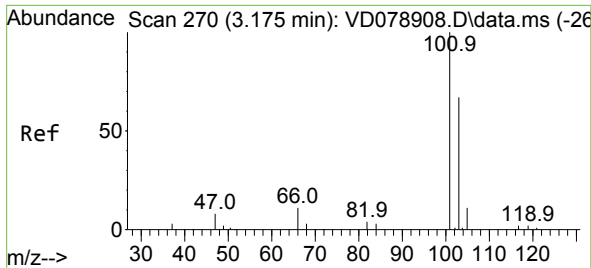
Tgt Ion: 94 Resp: 55911  
Ion Ratio Lower Upper  
94 100  
96 90.7 76.9 115.3



#6  
Chloroethane  
Concen: 24.057 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

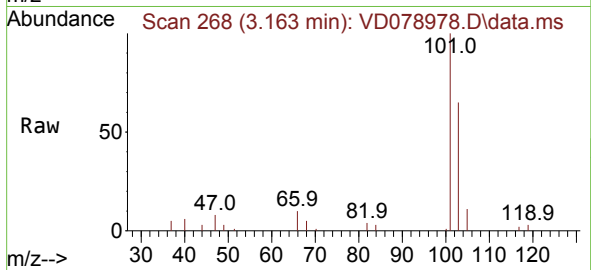
Tgt Ion: 64 Resp: 49480  
Ion Ratio Lower Upper  
64 100  
66 31.6 24.5 36.7



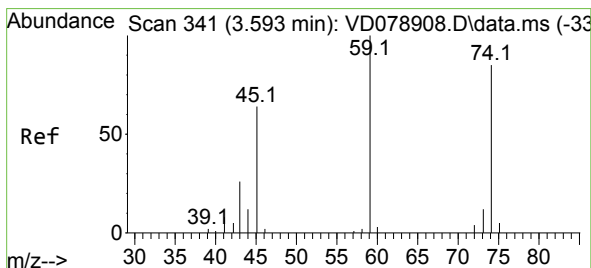
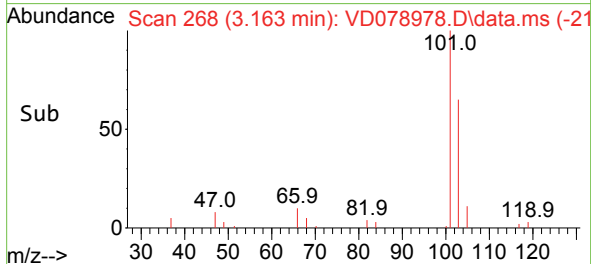
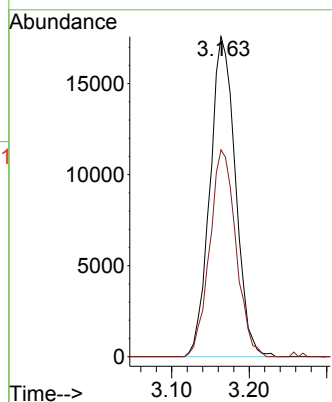


#7  
Trichlorofluoromethane  
Concen: 17.810 ug/l  
RT: 3.163 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Instrument :  
MSVOA\_D  
ClientSampleId :

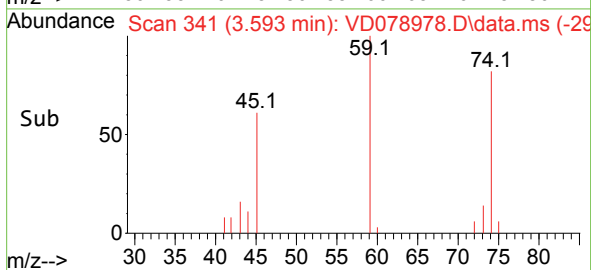
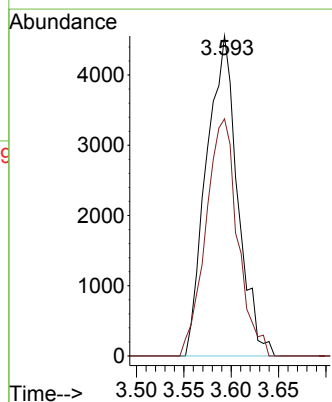
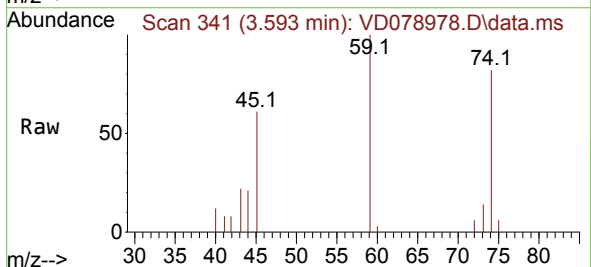


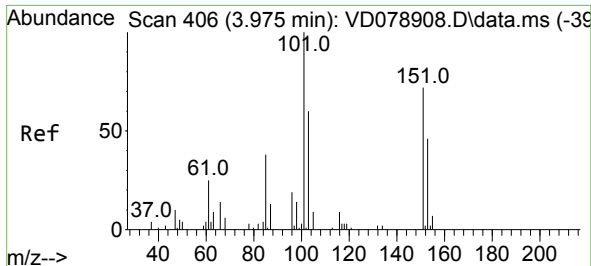
Tgt Ion:101 Resp: 40110  
Ion Ratio Lower Upper  
101 100  
103 64.7 53.2 79.8



#8  
Diethyl Ether  
Concen: 19.906 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 74 Resp: 10449  
Ion Ratio Lower Upper  
74 100  
45 75.6 37.9 113.6

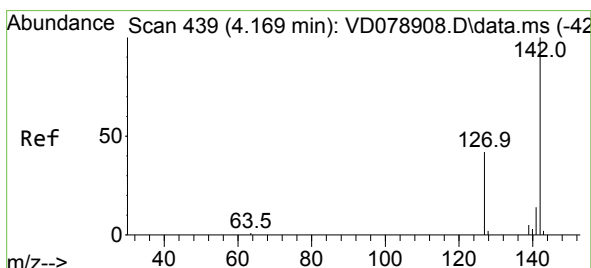
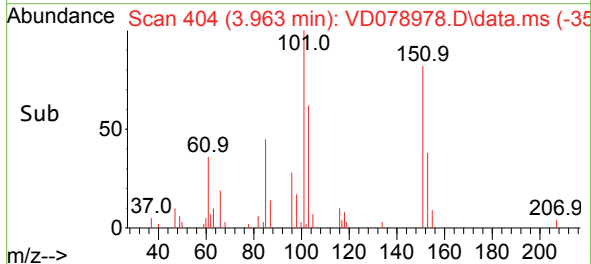
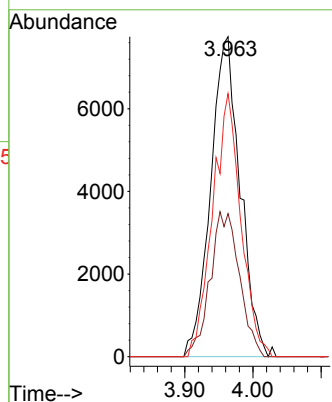
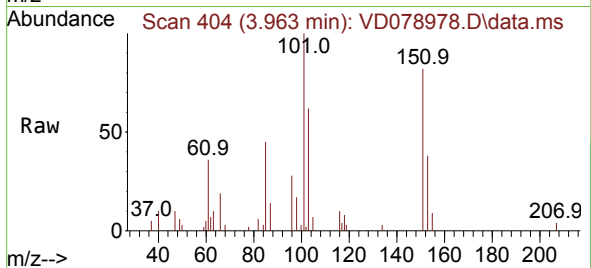




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.668 ug/l  
RT: 3.963 min Scan# 406  
Delta R.T. -0.011 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

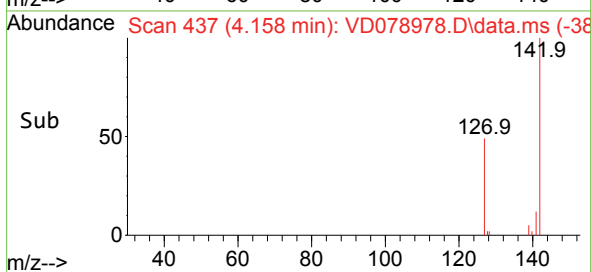
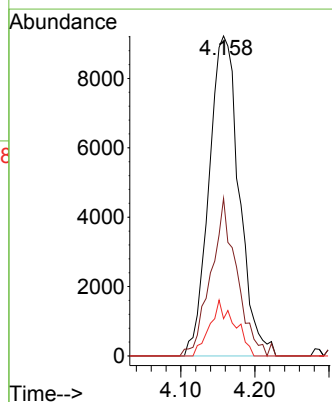
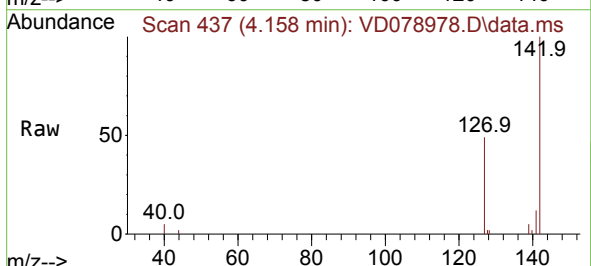
Instrument :  
MSVOA\_D  
ClientSampleId :

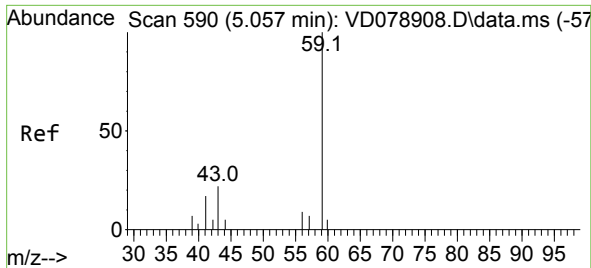
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:101 | Resp: | 23389     |
| Ion Ratio   | Lower | Upper     |
| 101         | 100   |           |
| 85          | 44.9  | 33.5 50.3 |
| 151         | 78.4  | 60.3 90.5 |



#10  
Methyl Iodide  
Concen: 18.397 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. -0.011 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:142 | Resp: | 26138     |
| Ion Ratio   | Lower | Upper     |
| 142         | 100   |           |
| 127         | 42.7  | 34.2 51.4 |
| 141         | 14.4  | 11.7 17.5 |

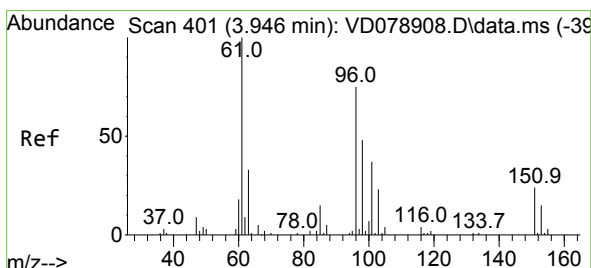
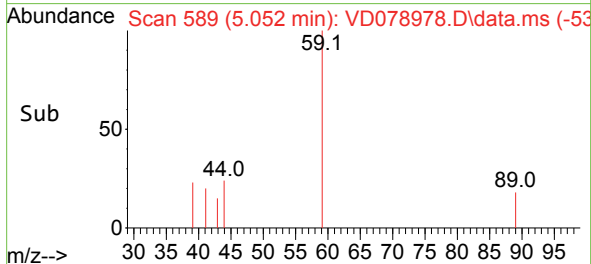
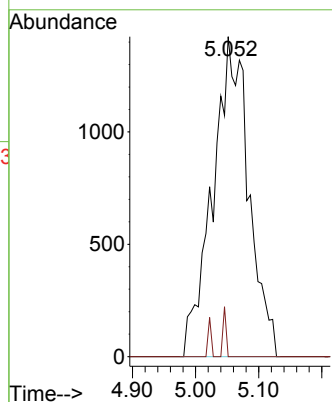
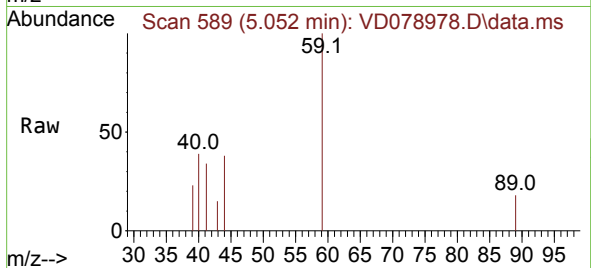




#11  
Tert butyl alcohol  
Concen: 120.152 ug/l  
RT: 5.052 min Scan# 51  
Delta R.T. -0.005 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

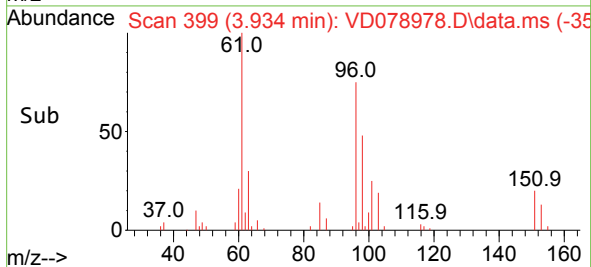
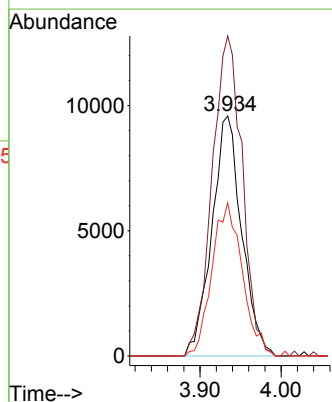
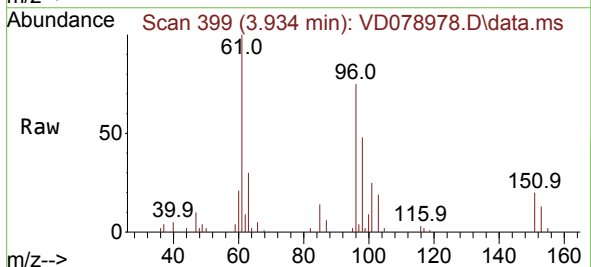
Instrument :  
MSVOA\_D  
ClientSampleId :

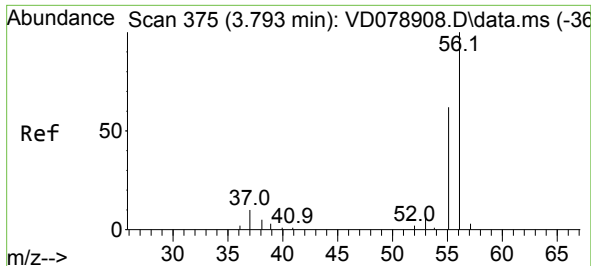
Tgt Ion: 59 Resp: 5648  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.6 5.4#



#12  
1,1-Dichloroethene  
Concen: 21.014 ug/l  
RT: 3.934 min Scan# 399  
Delta R.T. -0.011 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 96 Resp: 24462  
Ion Ratio Lower Upper  
96 100  
61 133.3 107.3 160.9  
98 63.8 51.7 77.5





#13

Acrolein

Concen: 84.173 ug/l

RT: 3.799 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

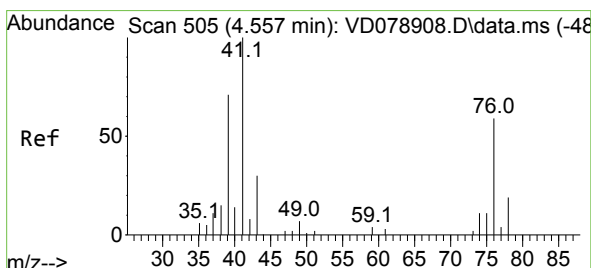
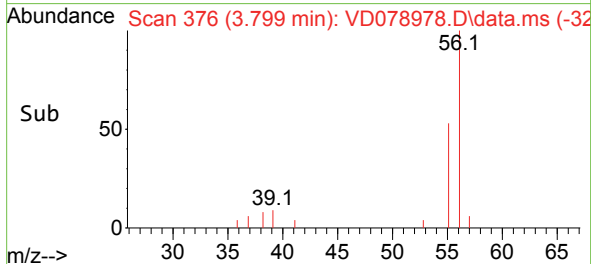
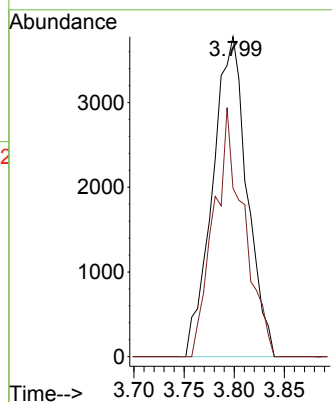
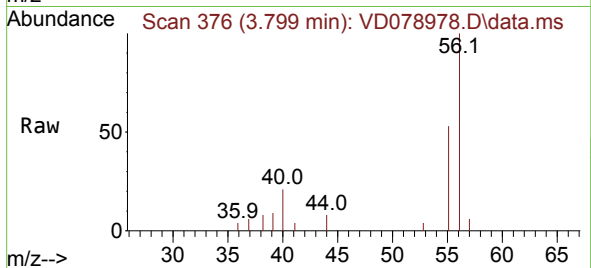
ClientSampleId :

Tgt Ion: 56 Resp: 9038

Ion Ratio Lower Upper

56 100

55 67.7 55.3 82.9



#14

Allyl chloride

Concen: 21.964 ug/l

RT: 4.552 min Scan# 504

Delta R.T. -0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

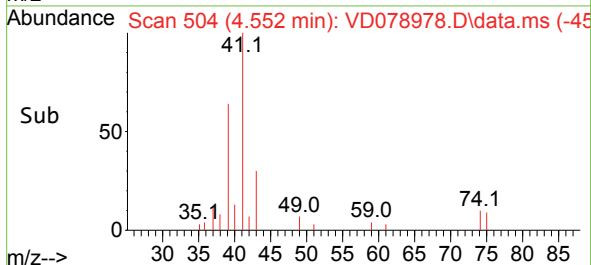
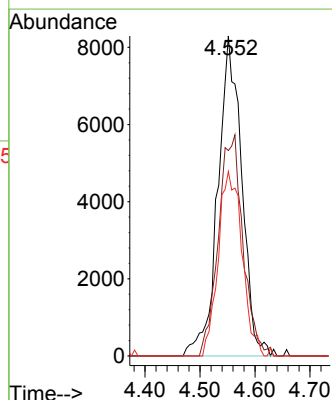
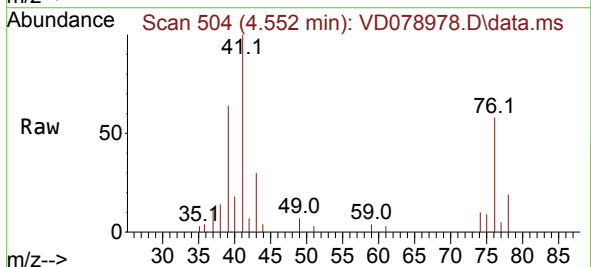
Tgt Ion: 41 Resp: 24949

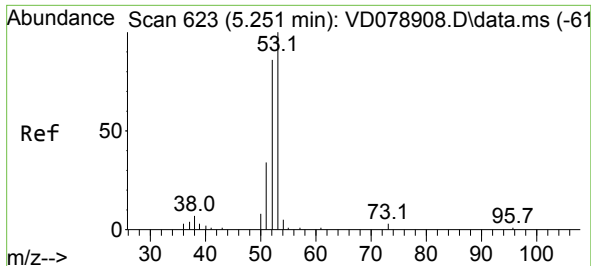
Ion Ratio Lower Upper

41 100

39 71.4 58.0 87.0

76 57.8 45.9 68.9

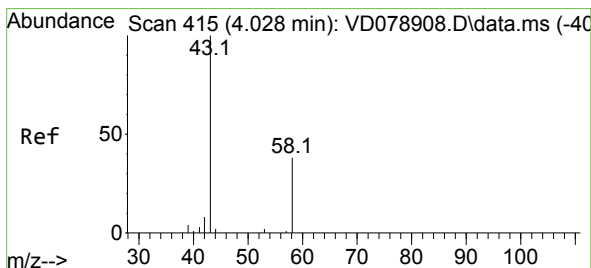
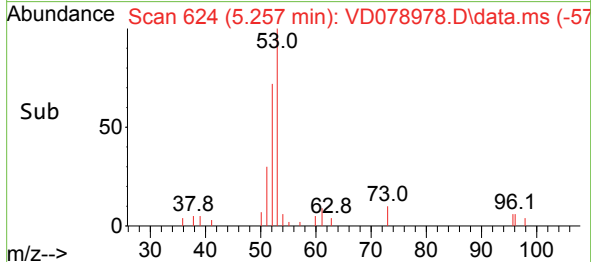
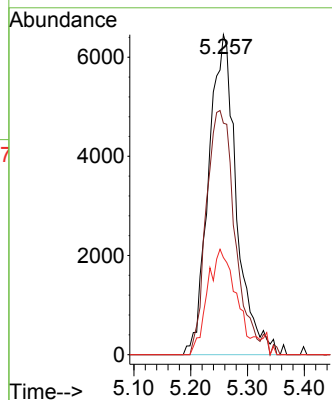
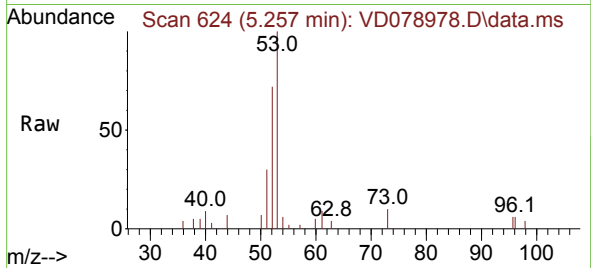




#15  
Acrylonitrile  
Concen: 105.499 ug/l  
RT: 5.257 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

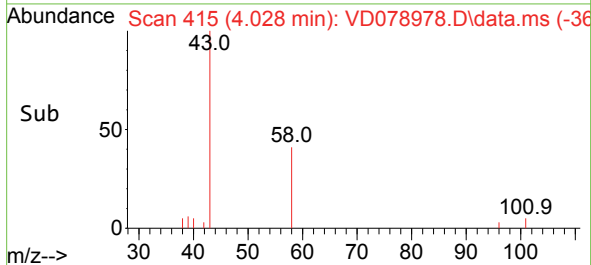
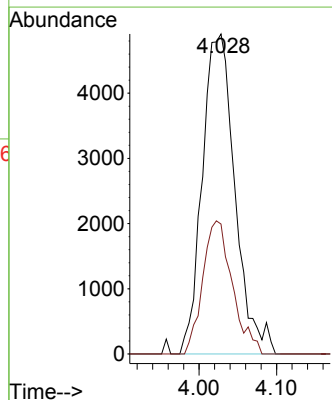
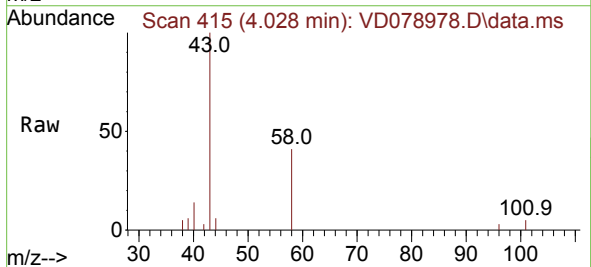
Instrument :  
MSVOA\_D  
ClientSampleId :

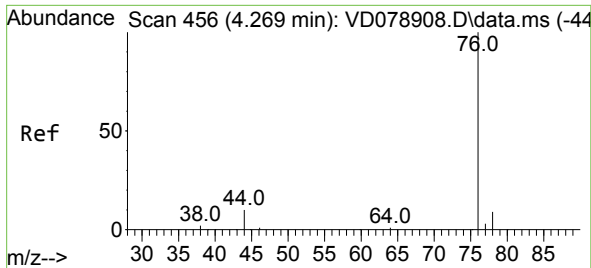
Tgt Ion: 53 Resp: 21996  
Ion Ratio Lower Upper  
53 100  
52 79.4 67.7 101.5  
51 36.4 28.6 42.8



#16  
Acetone  
Concen: 83.573 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 43 Resp: 14373  
Ion Ratio Lower Upper  
43 100  
58 40.6 30.4 45.6

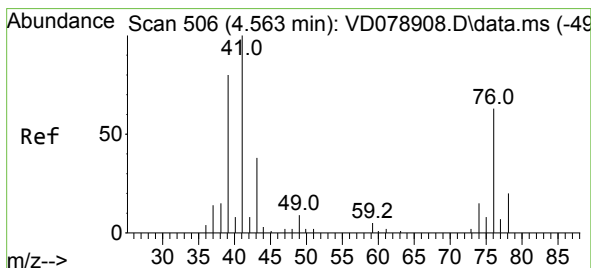
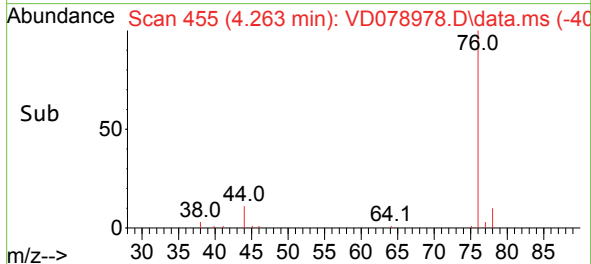
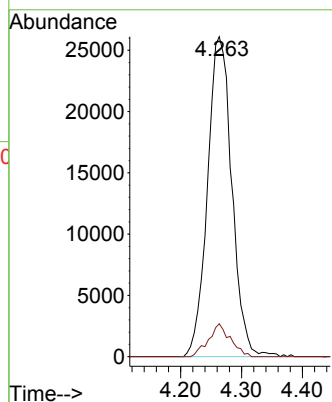
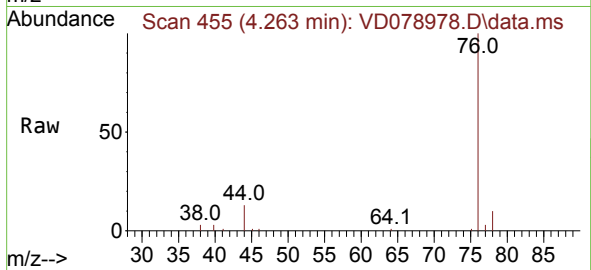




#17  
Carbon Disulfide  
Concen: 20.332 ug/l  
RT: 4.263 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

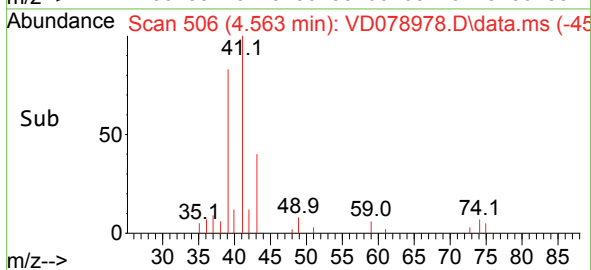
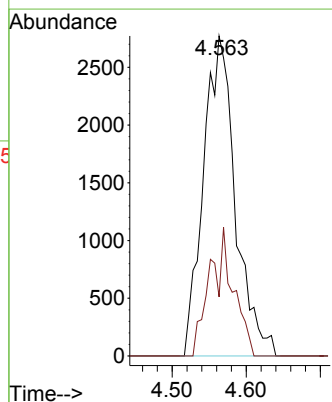
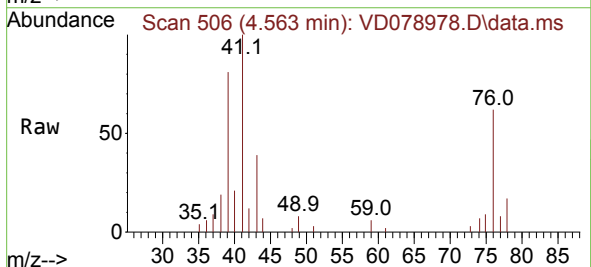
Instrument :  
MSVOA\_D  
ClientSampleId :

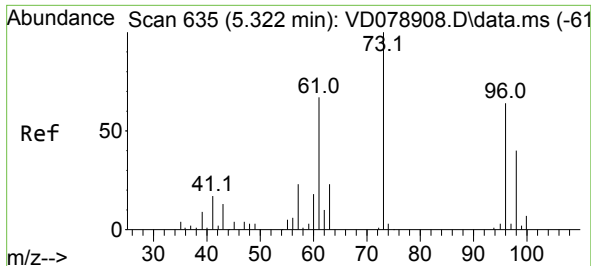
Tgt Ion: 76 Resp: 72569  
Ion Ratio Lower Upper  
76 100  
78 10.3 6.9 10.3



#18  
Methyl Acetate  
Concen: 20.983 ug/l  
RT: 4.563 min Scan# 506  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 43 Resp: 8309  
Ion Ratio Lower Upper  
43 100  
74 14.0 28.1 42.1#





#19

Methyl tert-butyl Ether

Concen: 19.865 ug/l

RT: 5.316 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

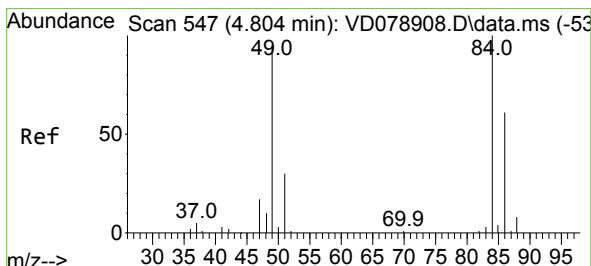
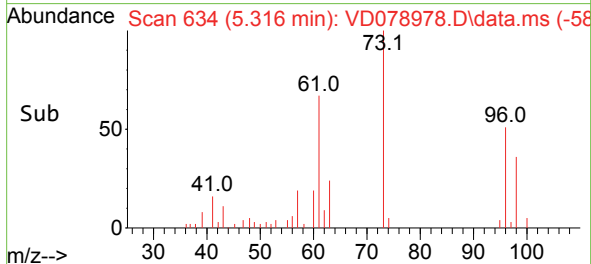
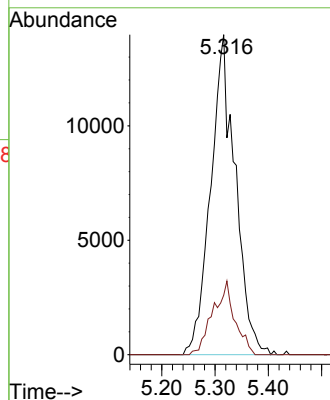
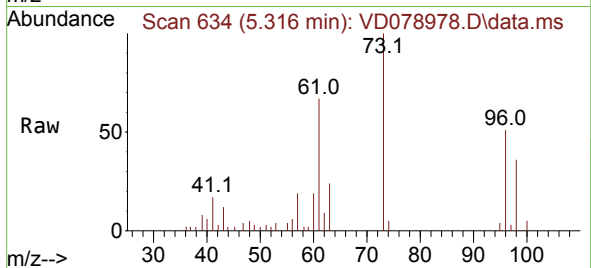
ClientSampleId :

Tgt Ion: 73 Resp: 45057

Ion Ratio Lower Upper

73 100

57 18.6 18.3 27.5



#20

Methylene Chloride

Concen: 26.288 ug/l

RT: 4.793 min Scan# 545

Delta R.T. -0.011 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Tgt Ion: 84 Resp: 39759

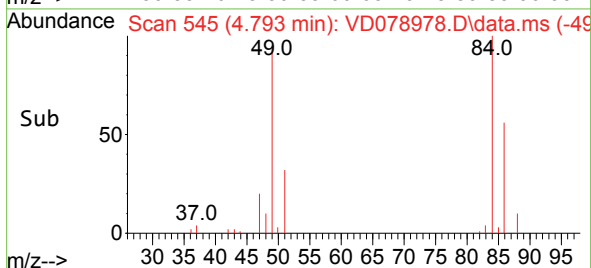
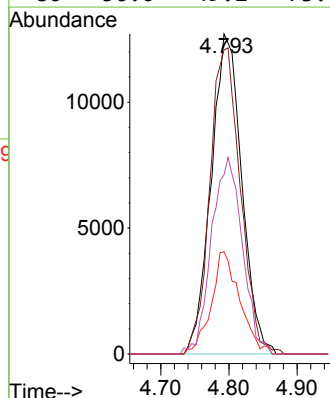
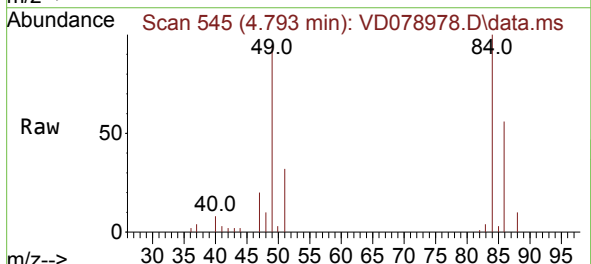
Ion Ratio Lower Upper

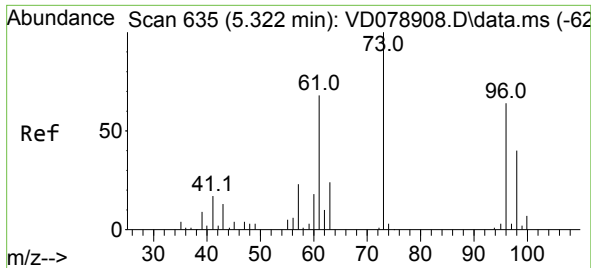
84 100

49 95.0 75.6 113.4

51 32.0 24.2 36.2

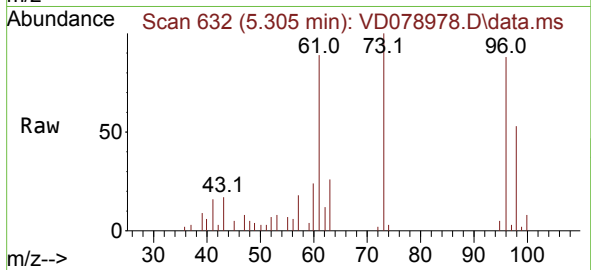
86 56.0 49.2 73.8



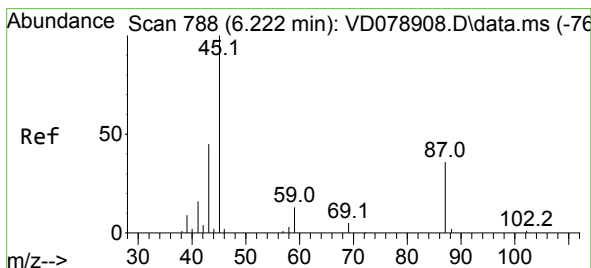
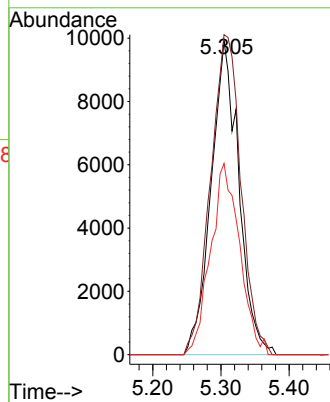
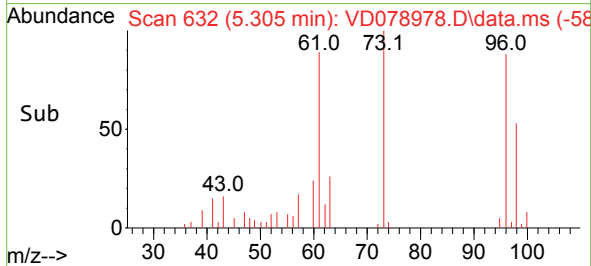


#21  
trans-1,2-Dichloroethene  
Concen: 21.590 ug/l  
RT: 5.305 min Scan# 61  
Delta R.T. -0.017 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Instrument :  
MSVOA\_D  
ClientSampleId :

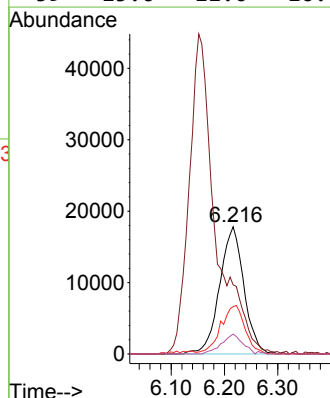
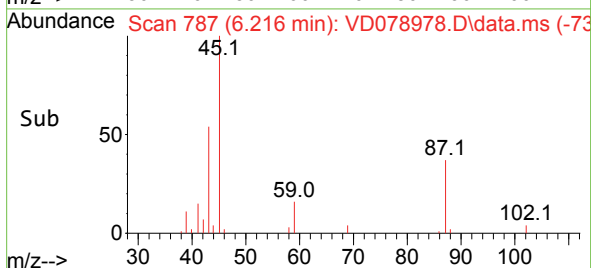
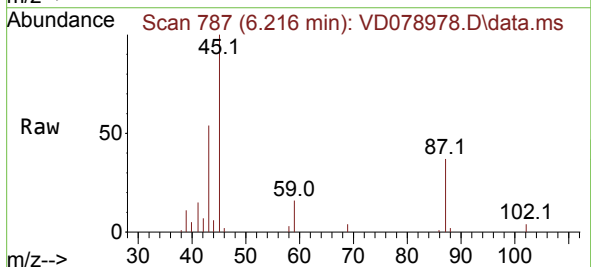


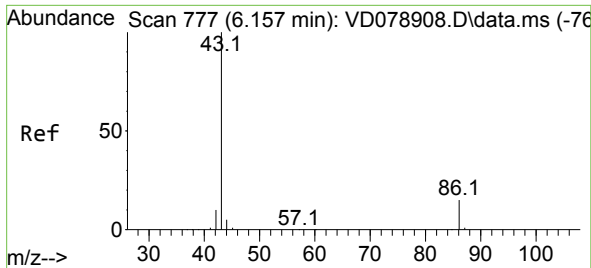
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 28013 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 102.1 | 84.5  | 126.7 |
| 98       | 61.0  | 50.5  | 75.7  |



#22  
Diisopropyl ether  
Concen: 21.968 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 56438 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 53.5  | 41.7  | 62.5  |
| 87       | 37.2  | 30.2  | 45.2  |
| 59       | 15.6  | 11.0  | 16.6  |

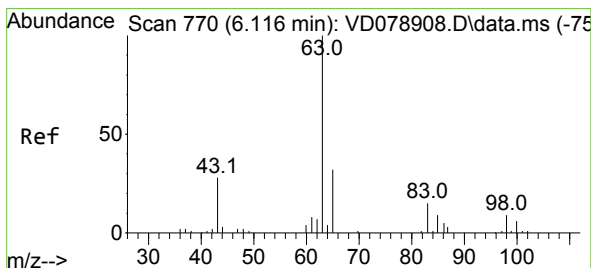
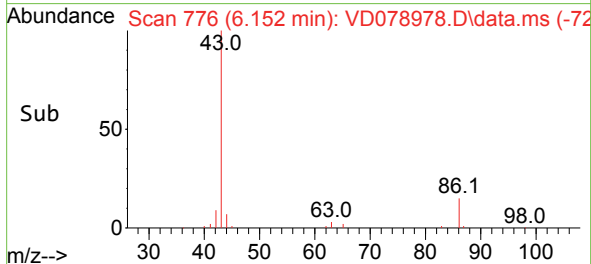
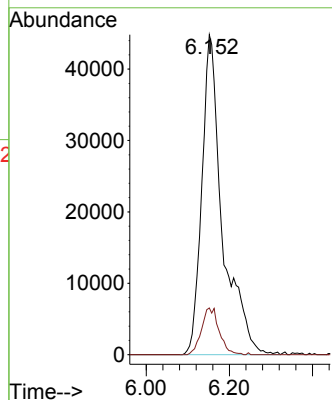
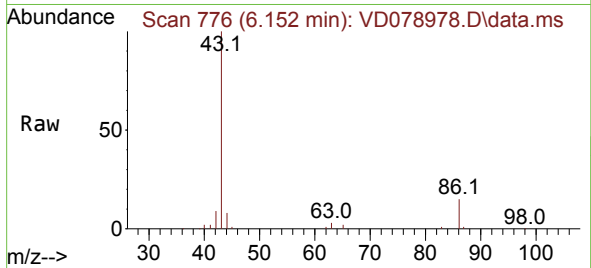




#23  
 Vinyl Acetate  
 Concen: 100.492 ug/l  
 RT: 6.152 min Scan# 777  
 Delta R.T. -0.006 min  
 Lab File: VD078978.D  
 Acq: 22 May 2024 14:41

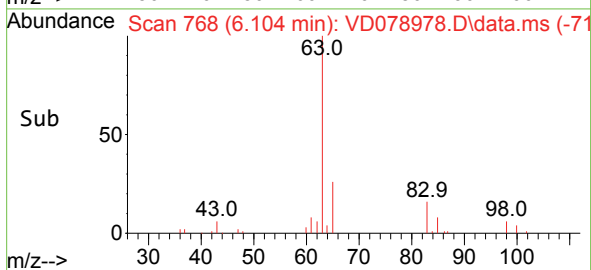
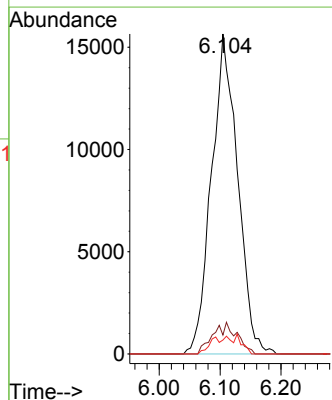
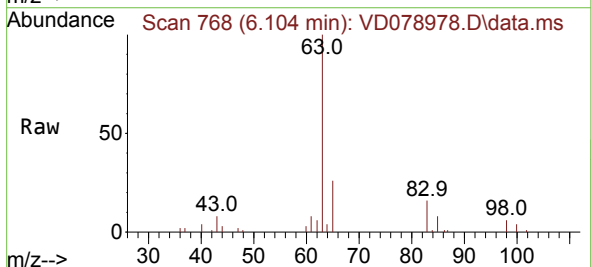
Instrument :  
 MSVOA\_D  
 ClientSampleId :

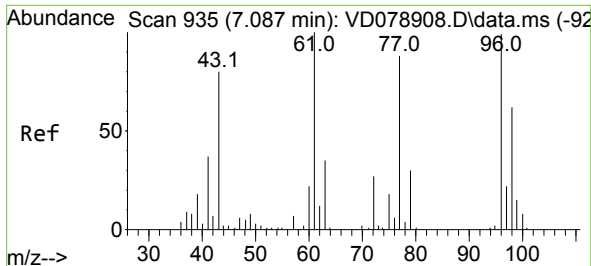
Tgt Ion: 43 Resp: 154851  
 Ion Ratio Lower Upper  
 43 100  
 86 14.6 12.3 18.5



#24  
 1,1-Dichloroethane  
 Concen: 22.930 ug/l  
 RT: 6.104 min Scan# 768  
 Delta R.T. -0.011 min  
 Lab File: VD078978.D  
 Acq: 22 May 2024 14:41

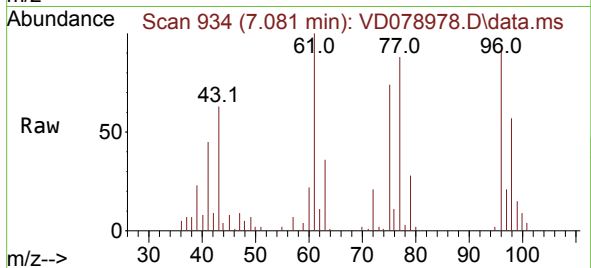
Tgt Ion: 63 Resp: 46700  
 Ion Ratio Lower Upper  
 63 100  
 98 5.9 4.7 14.0  
 100 4.4 2.9 8.6



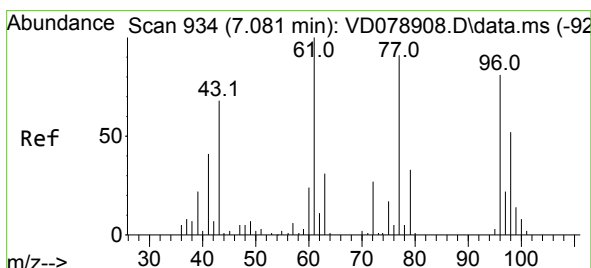
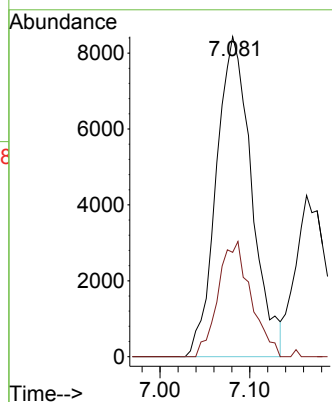
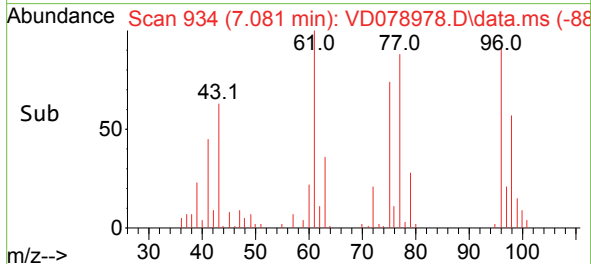


#25  
2-Butanone  
Concen: 100.539 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

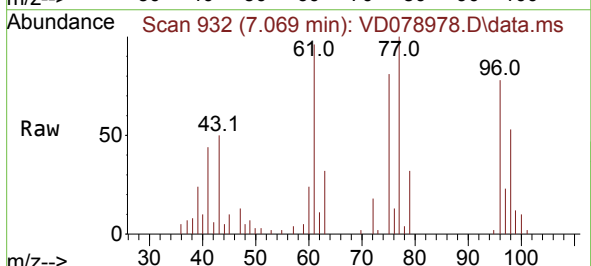
Instrument :  
MSVOA\_D  
ClientSampleId :



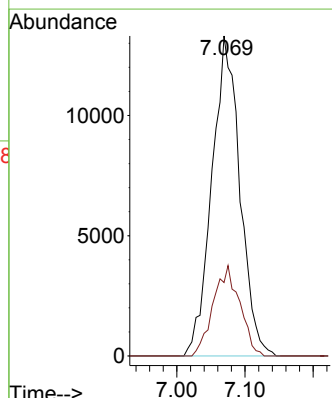
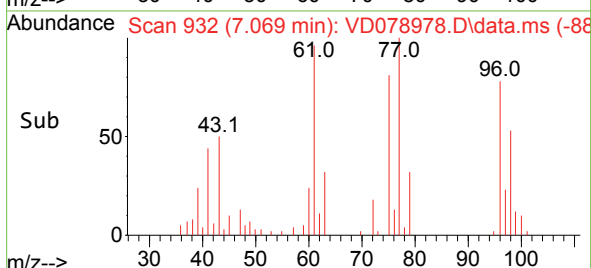
Tgt Ion: 43 Resp: 23126  
Ion Ratio Lower Upper  
43 100  
72 32.6 26.4 39.6

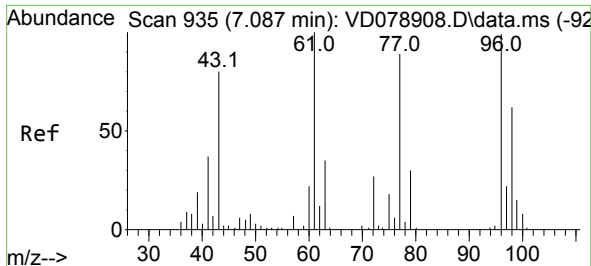


#26  
2,2-Dichloropropane  
Concen: 21.289 ug/l  
RT: 7.069 min Scan# 932  
Delta R.T. -0.011 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41



Tgt Ion: 77 Resp: 38102  
Ion Ratio Lower Upper  
77 100  
97 26.7 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 21.064 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

ClientSampleId :

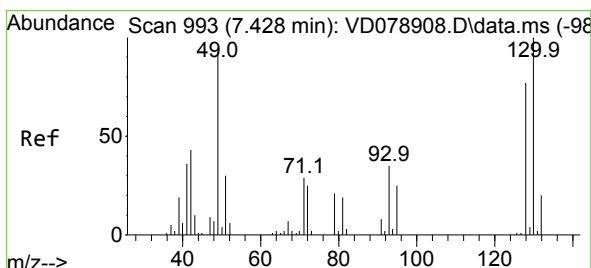
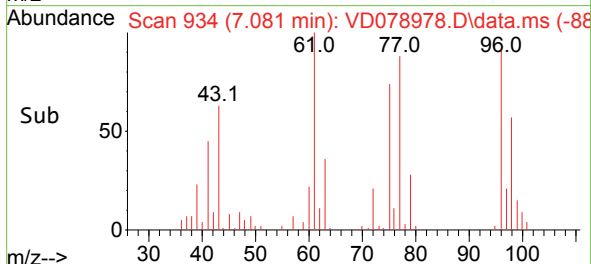
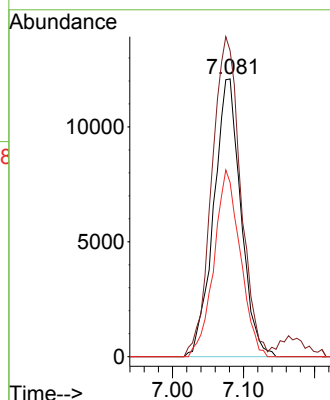
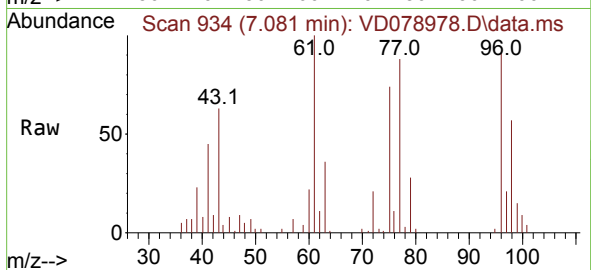
Tgt Ion: 96 Resp: 32092

Ion Ratio Lower Upper

96 100

61 121.9 0.0 229.0

98 65.0 0.0 127.2



#28

Bromochloromethane

Concen: 20.149 ug/l

RT: 7.422 min Scan# 992

Delta R.T. -0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

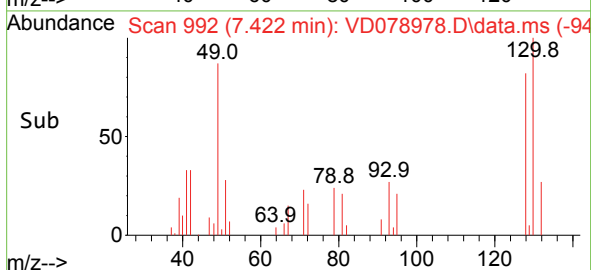
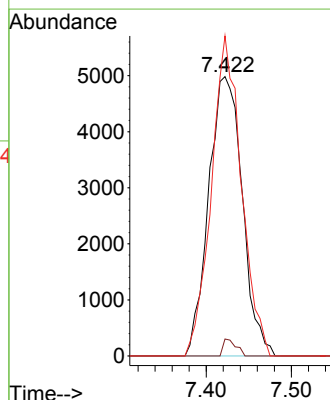
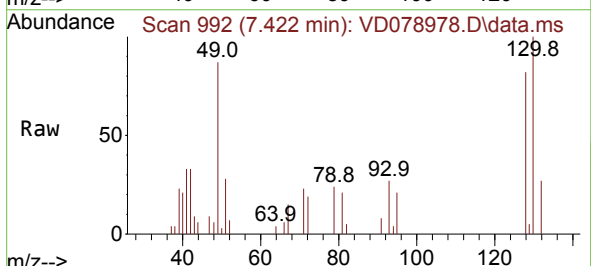
Tgt Ion: 49 Resp: 13685

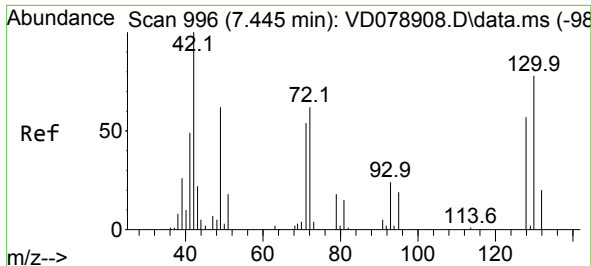
Ion Ratio Lower Upper

49 100

129 2.3 0.0 7.0

130 102.0 87.7 131.5





#29

Tetrahydrofuran

Concen: 95.044 ug/l

RT: 7.446 min Scan# 996

Delta R.T. 0.000 min

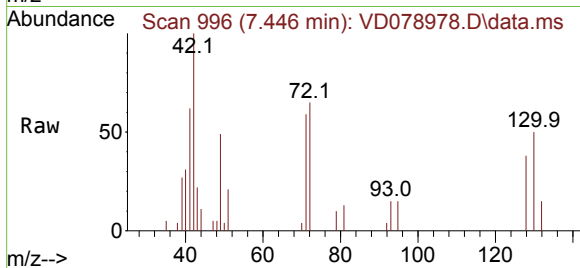
Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

ClientSampleId :



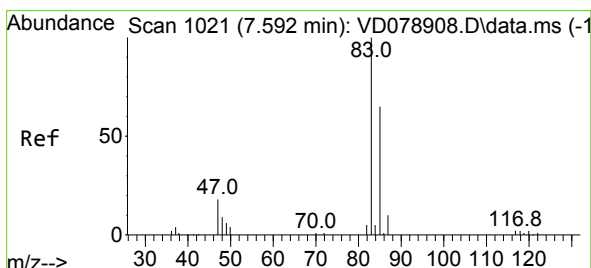
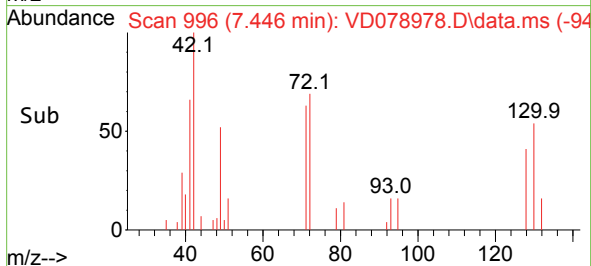
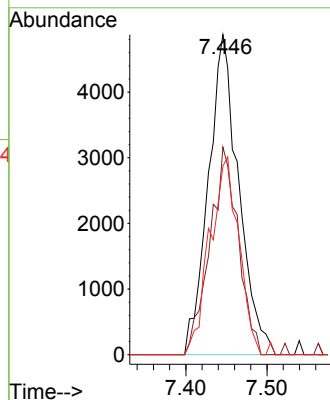
Tgt Ion: 42 Resp: 12645

Ion Ratio Lower Upper

42 100

72 60.7 49.4 74.0

71 59.1 45.0 67.6



#30

Chloroform

Concen: 22.922 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VD078978.D

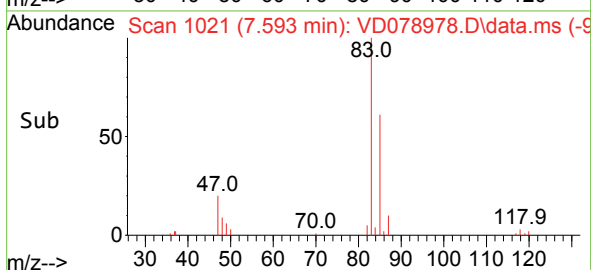
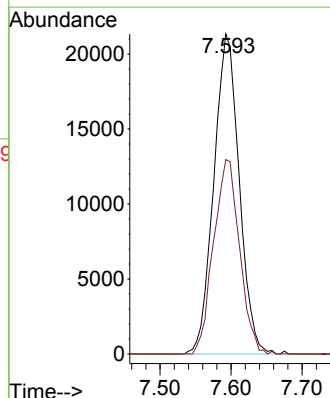
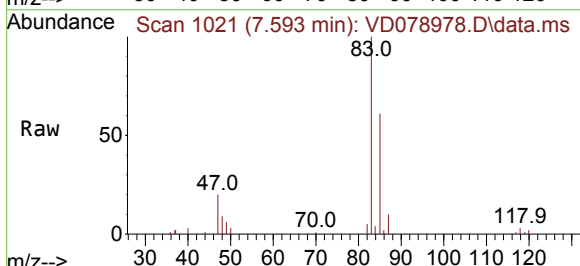
Acq: 22 May 2024 14:41

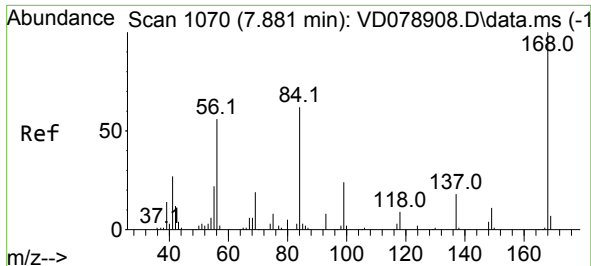
Tgt Ion: 83 Resp: 52876

Ion Ratio Lower Upper

83 100

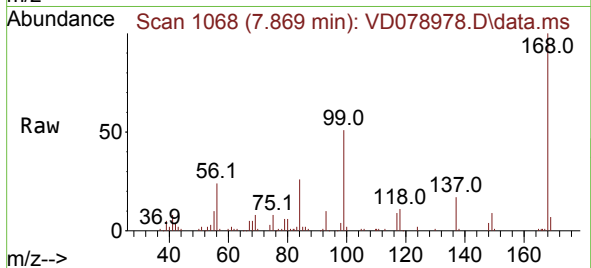
85 60.7 51.8 77.6



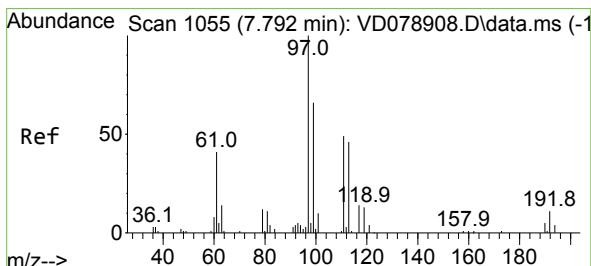
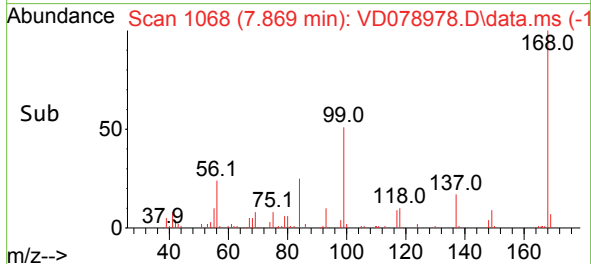
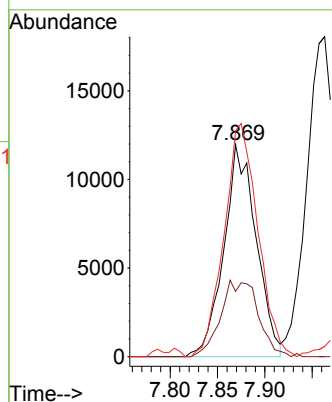


#31  
Cyclohexane  
Concen: 18.029 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.012 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Instrument :  
MSVOA\_D  
ClientSampleId :

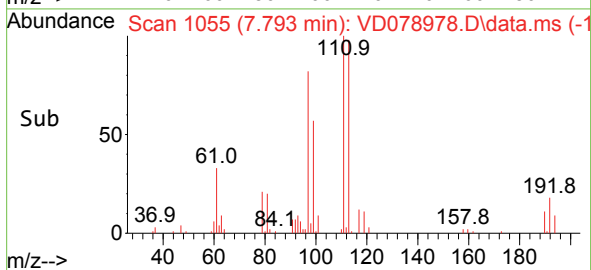
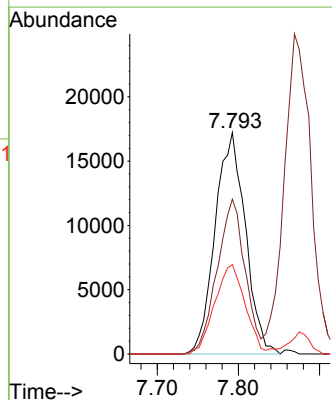
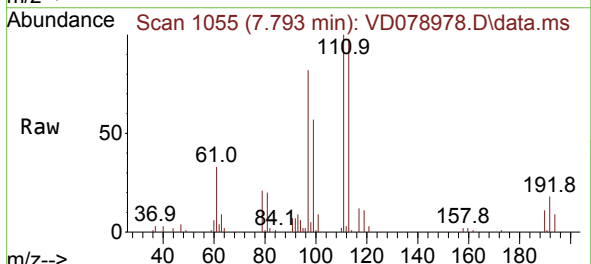


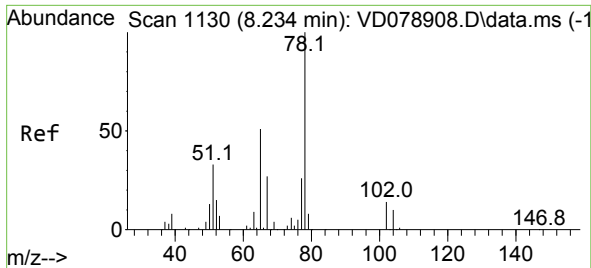
Tgt Ion: 56 Resp: 28411  
Ion Ratio Lower Upper  
56 100  
69 30.8 28.0 42.0  
84 104.1 87.4 131.0



#32  
1,1,1-Trichloroethane  
Concen: 22.583 ug/l  
RT: 7.793 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 97 Resp: 44613  
Ion Ratio Lower Upper  
97 100  
99 64.6 51.3 76.9  
61 40.5 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 49.078 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

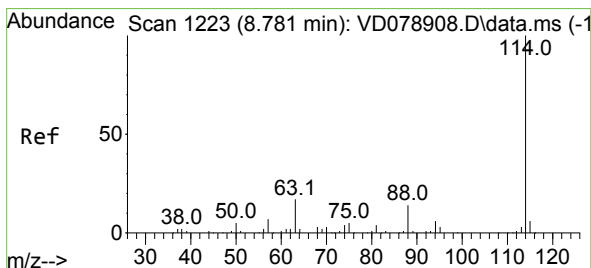
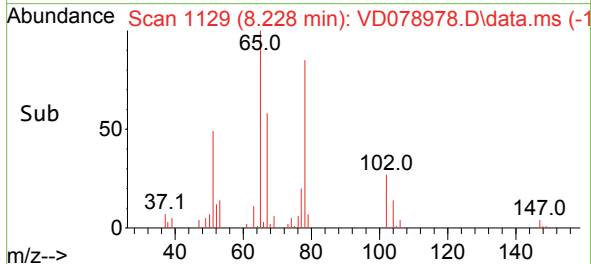
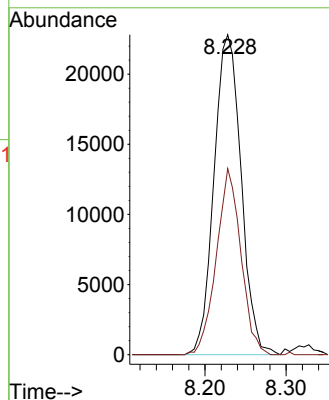
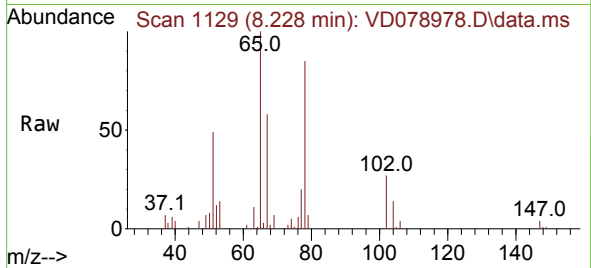
ClientSampleId :

Tgt Ion: 65 Resp: 52937

Ion Ratio Lower Upper

65 100

67 52.7 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

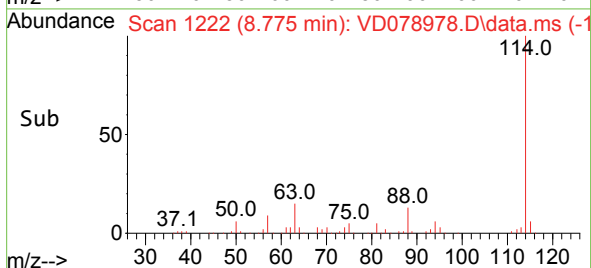
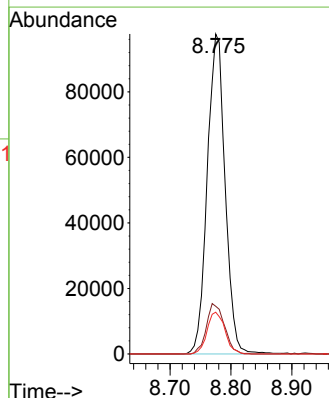
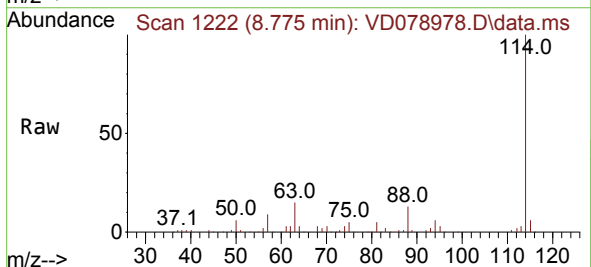
Tgt Ion: 114 Resp: 199057

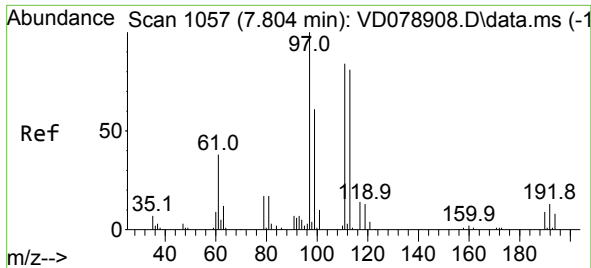
Ion Ratio Lower Upper

114 100

63 14.9 0.0 34.0

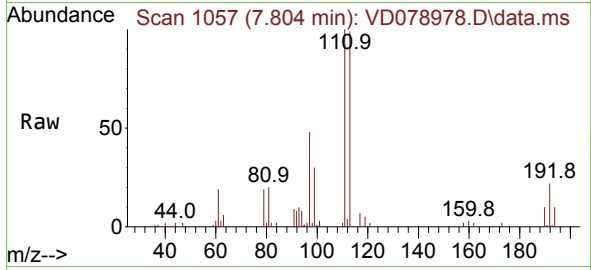
88 13.1 0.0 27.2



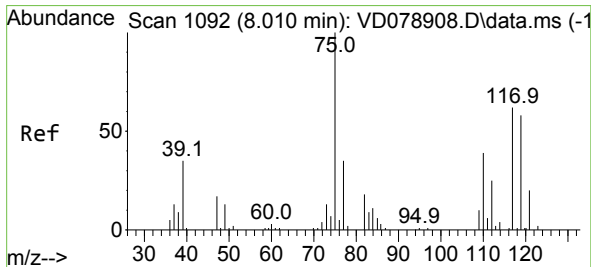
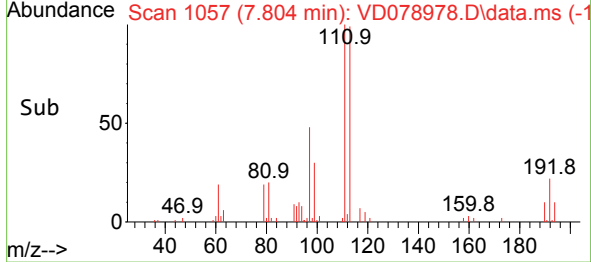
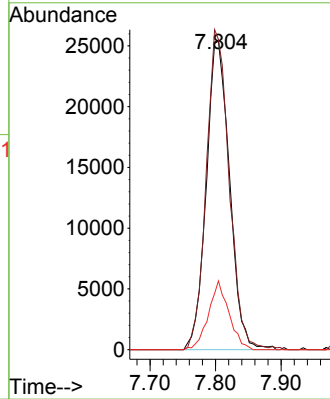


#35  
 Dibromofluoromethane  
 Concen: 47.383 ug/l  
 RT: 7.804 min Scan# 1057  
 Delta R.T. 0.000 min  
 Lab File: VD078978.D  
 Acq: 22 May 2024 14:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :

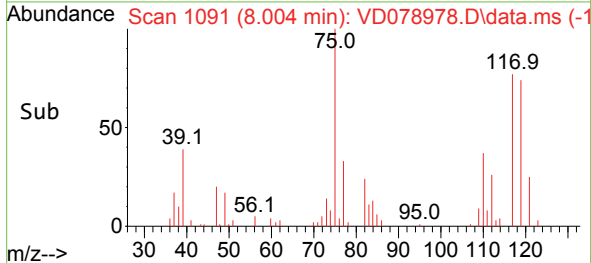
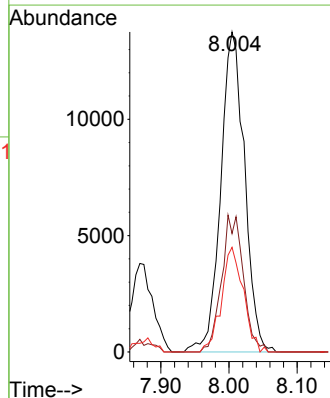
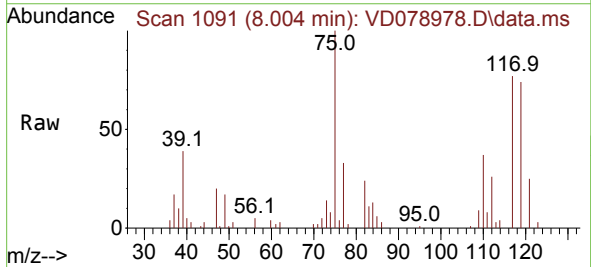


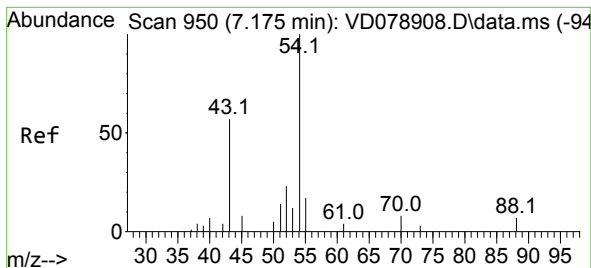
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 62785 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 101.8 | 84.0  | 126.0 |
| 192       | 19.6  | 15.4  | 23.0  |



#36  
 1,1-Dichloropropene  
 Concen: 20.291 ug/l  
 RT: 8.004 min Scan# 1091  
 Delta R.T. -0.006 min  
 Lab File: VD078978.D  
 Acq: 22 May 2024 14:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 33458 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 39.1  | 19.6  | 58.7  |
| 77        | 30.0  | 26.1  | 39.1  |





#37

Ethyl Acetate

Concen: 18.730 ug/l

RT: 7.163 min Scan# 94

Delta R.T. -0.012 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

ClientSampleId :

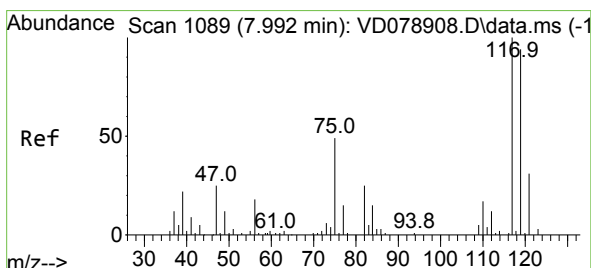
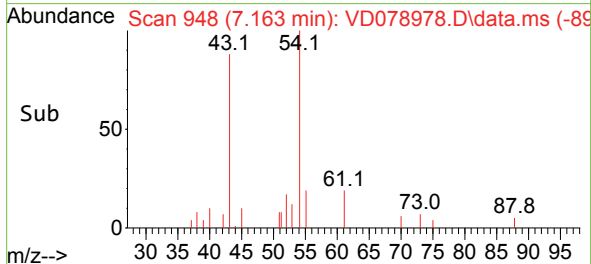
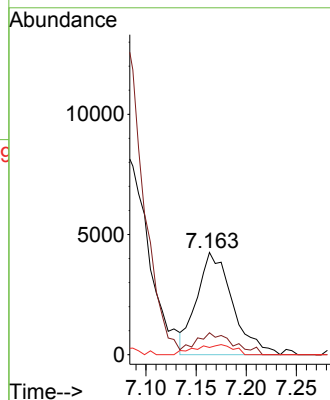
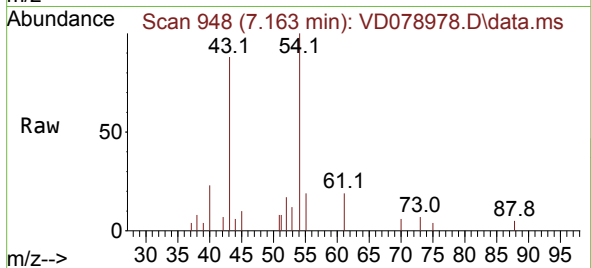
Tgt Ion: 43 Resp: 10525

Ion Ratio Lower Upper

43 100

61 20.2 13.9 20.9

70 10.4 9.8 14.6



#38

Carbon Tetrachloride

Concen: 20.275 ug/l

RT: 7.993 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

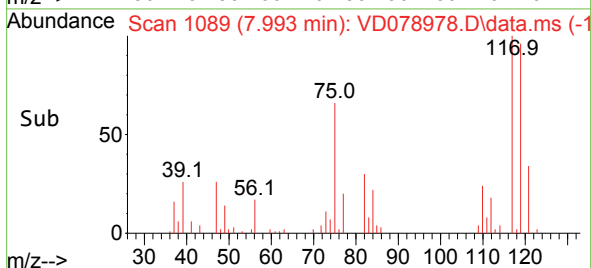
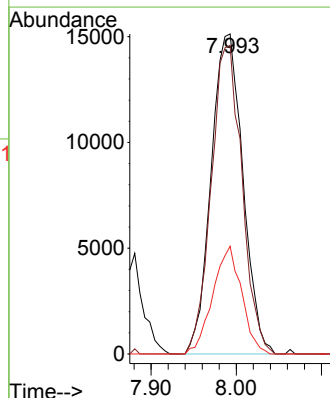
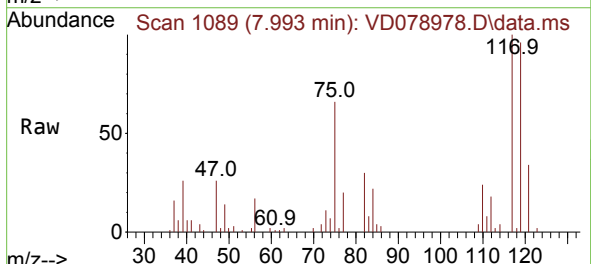
Tgt Ion: 117 Resp: 39124

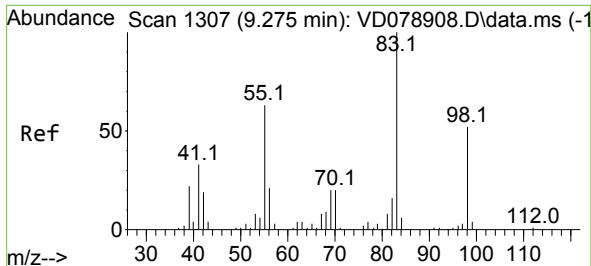
Ion Ratio Lower Upper

117 100

119 96.5 75.4 113.0

121 33.6 25.0 37.4





#39

Methylcyclohexane

Concen: 17.029 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

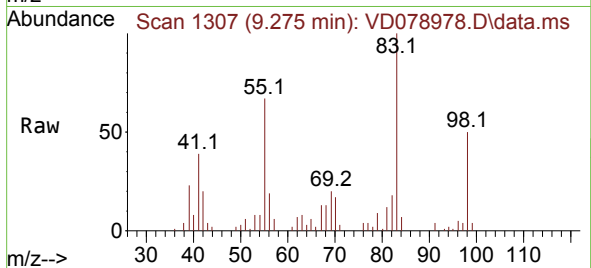
Lab File: VD078978.D

Acq: 22 May 2024 14:41

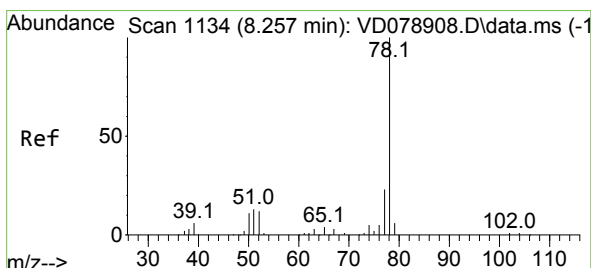
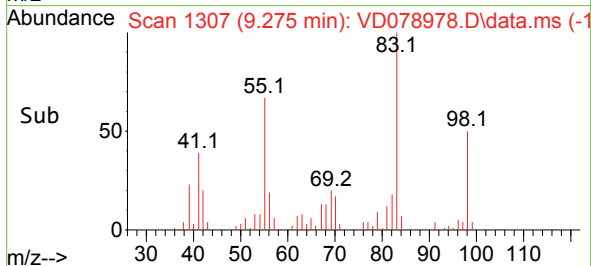
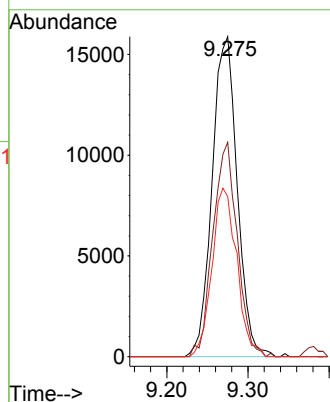
Instrument :

MSVOA\_D

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 34118 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 67.0  | 50.1  | 75.1  |
| 98       | 50.0  | 41.9  | 62.9  |



#40

Benzene

Concen: 20.639 ug/l

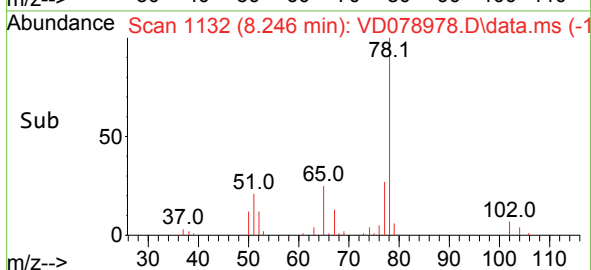
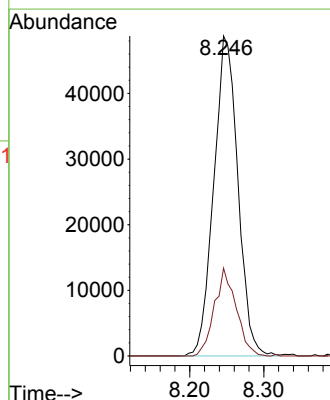
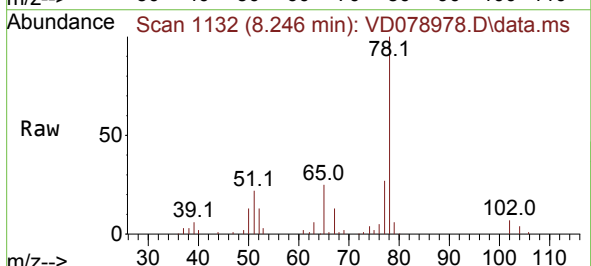
RT: 8.246 min Scan# 1132

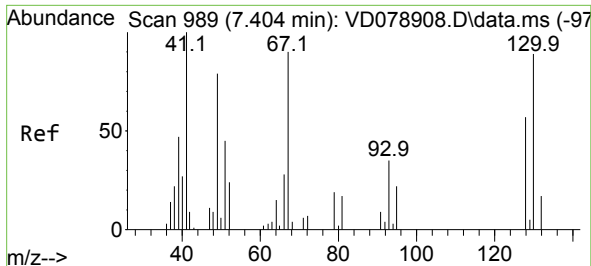
Delta R.T. -0.011 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

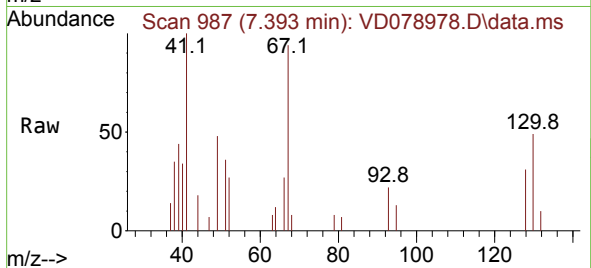
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 110072 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 27.4  | 18.1  | 27.1#  |



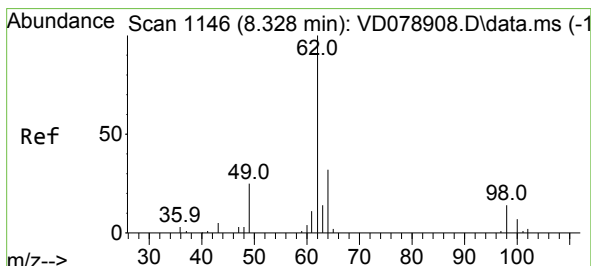
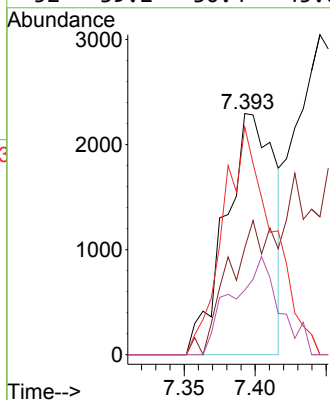
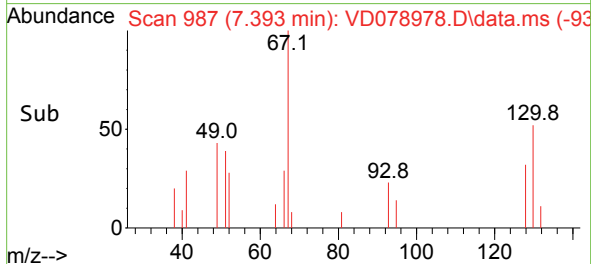


#41  
Methacrylonitrile  
Concen: 18.163 ug/l  
RT: 7.393 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Instrument :  
MSVOA\_D  
ClientSampleId :

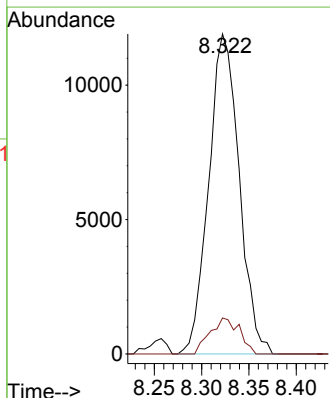
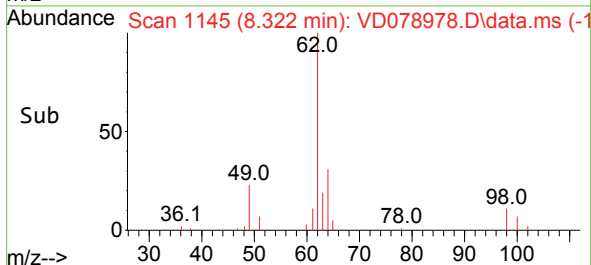
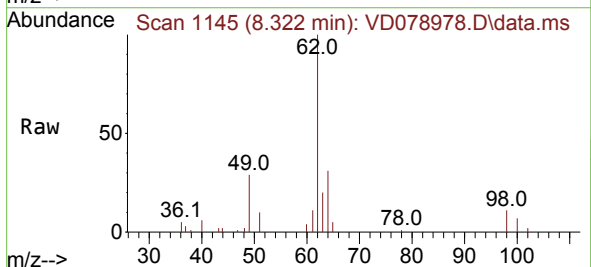


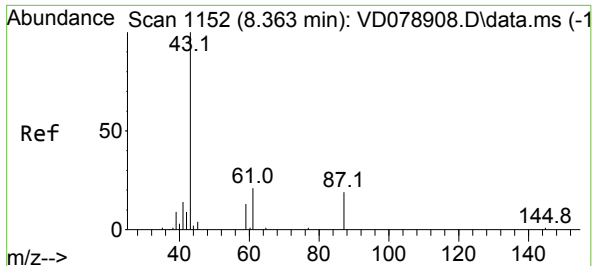
Tgt Ion: 41 Resp: 5492  
Ion Ratio Lower Upper  
41 100  
39 38.5 41.4 62.0#  
67 96.5 85.8 128.6  
52 39.2 30.4 45.6



#42  
1,2-Dichloroethane  
Concen: 20.654 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

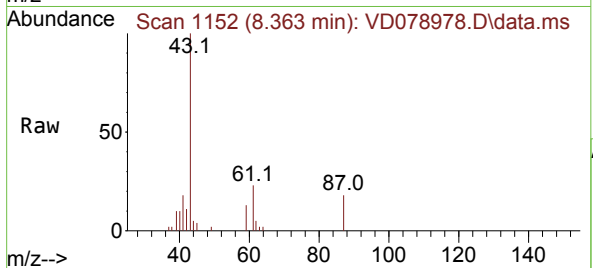
Tgt Ion: 62 Resp: 26662  
Ion Ratio Lower Upper  
62 100  
98 10.8 0.0 25.8



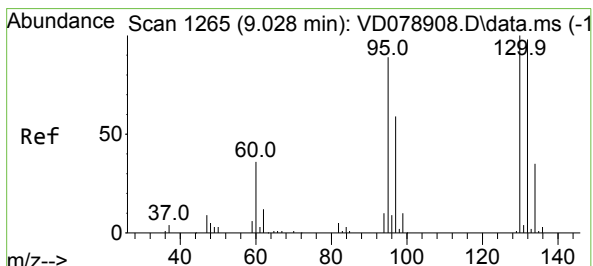
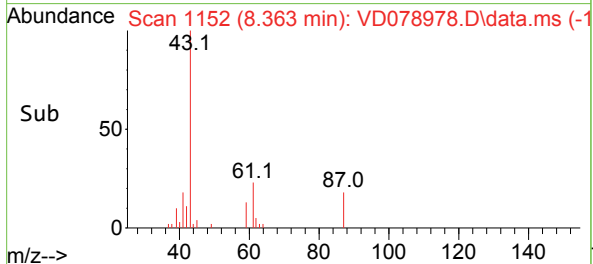
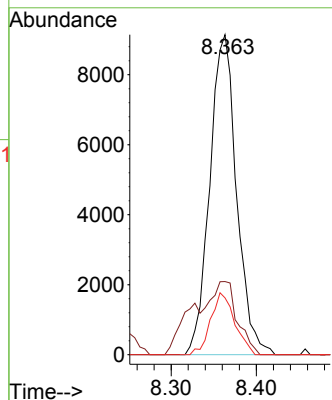


#43  
Isopropyl Acetate  
Concen: 20.054 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Instrument :  
MSVOA\_D  
ClientSampleId :

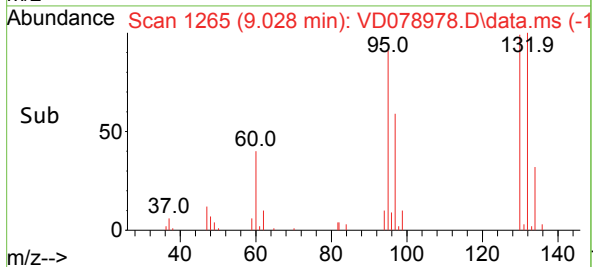
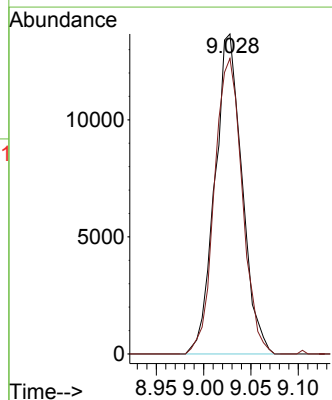
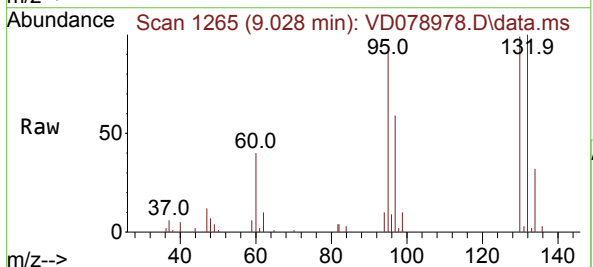


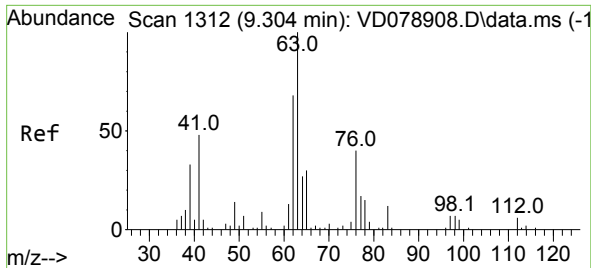
Tgt Ion: 43 Resp: 19996  
Ion Ratio Lower Upper  
43 100  
61 22.0 29.3 43.9#  
87 17.3 14.9 22.3



#44  
Trichloroethene  
Concen: 19.306 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion:130 Resp: 27310  
Ion Ratio Lower Upper  
130 100  
95 92.4 0.0 177.8





#45

1,2-Dichloropropane

Concen: 20.818 ug/l

RT: 9.298 min Scan# 1311

Delta R.T. -0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

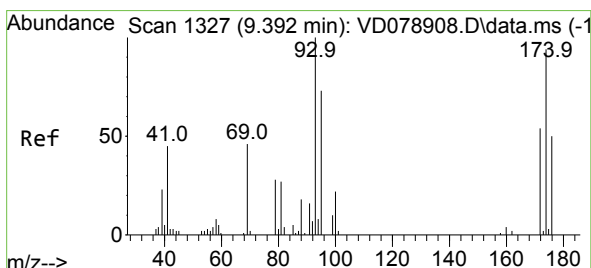
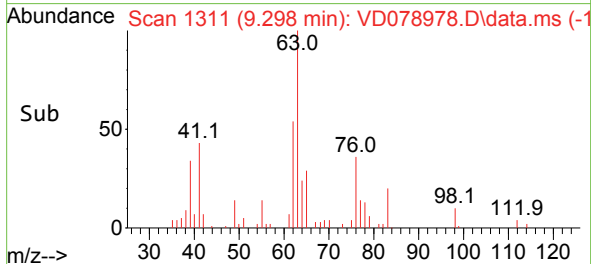
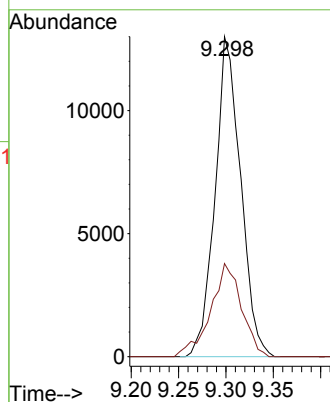
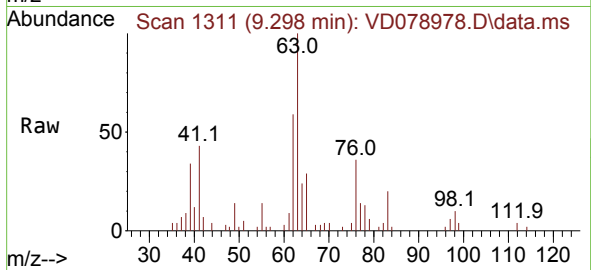
ClientSampleId :

Tgt Ion: 63 Resp: 24398

Ion Ratio Lower Upper

63 100

65 29.1 23.8 35.8



#46

Dibromomethane

Concen: 20.129 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

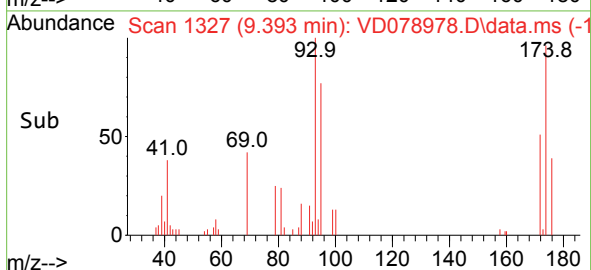
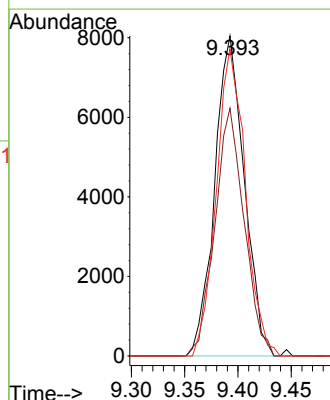
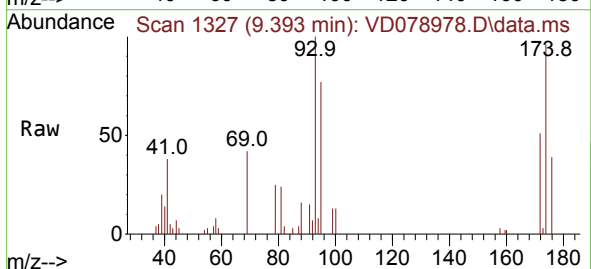
Tgt Ion: 93 Resp: 15530

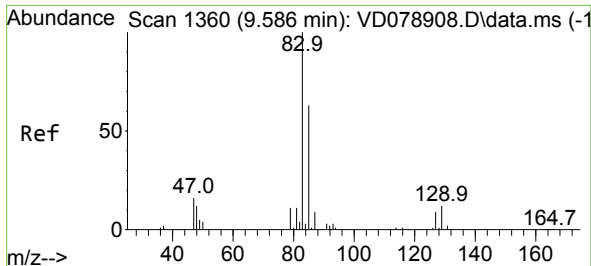
Ion Ratio Lower Upper

93 100

95 76.7 65.6 98.4

174 93.9 82.3 123.5

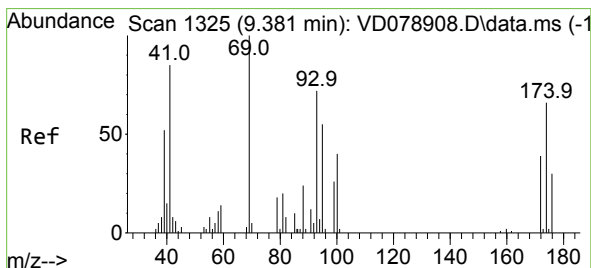
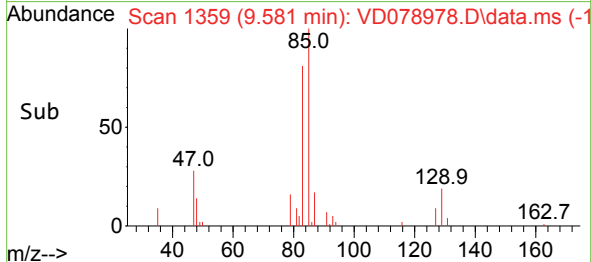
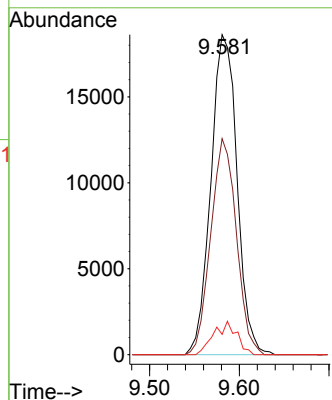
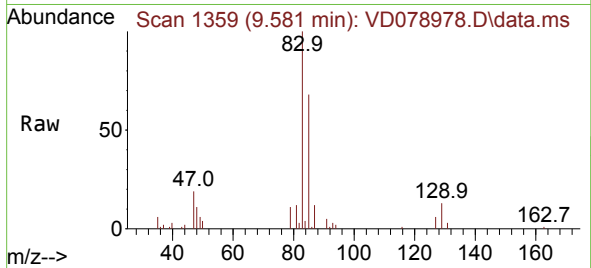




#47  
Bromodichloromethane  
Concen: 20.294 ug/l  
RT: 9.581 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

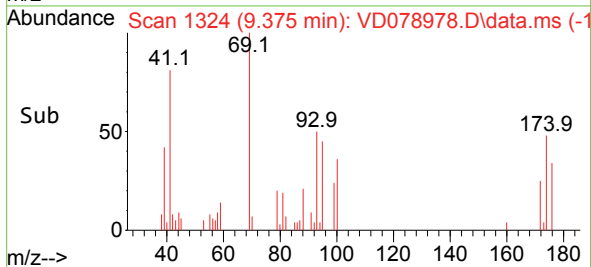
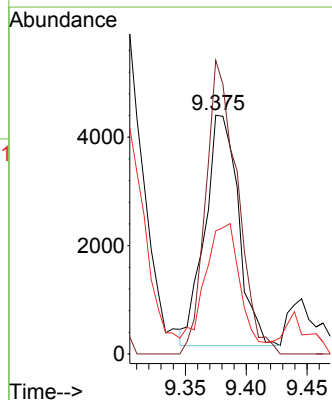
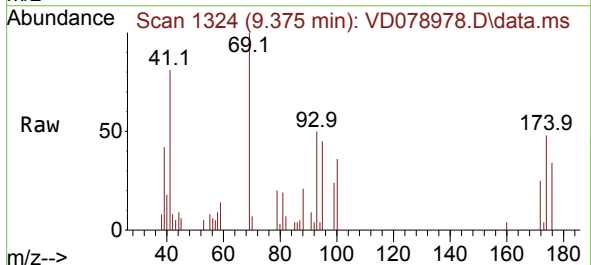
Instrument :  
MSVOA\_D  
ClientSampleId :

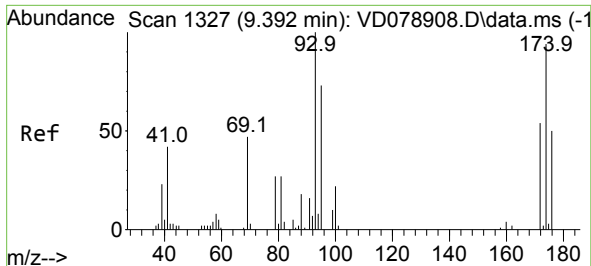
Tgt Ion: 83 Resp: 37690  
Ion Ratio Lower Upper  
83 100  
85 67.5 50.1 75.1  
127 6.3 6.8 10.2#



#48  
Methyl methacrylate  
Concen: 16.776 ug/l  
RT: 9.375 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 41 Resp: 8143  
Ion Ratio Lower Upper  
41 100  
69 119.7 96.7 145.1  
39 52.3 43.8 65.6





#49

1,4-Dioxane

Concen: 398.434 ug/l

RT: 9.387 min Scan# 1326

Delta R.T. -0.006 min

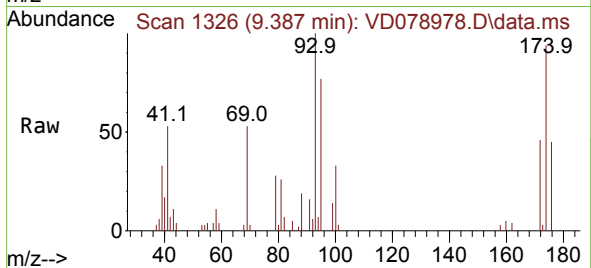
Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

ClientSampleId :



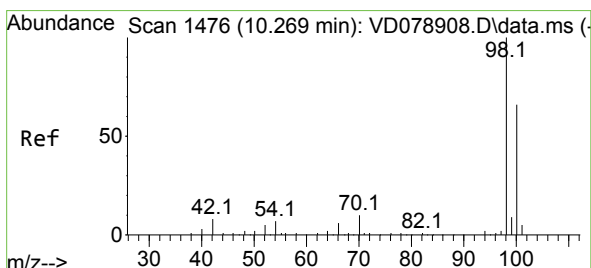
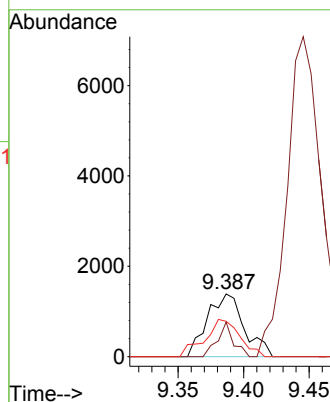
Tgt Ion: 88 Resp: 2704

Ion Ratio Lower Upper

88 100

43 23.7 21.5 32.3

58 56.5 42.2 63.4



#50

Toluene-d8

Concen: 48.554 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078978.D

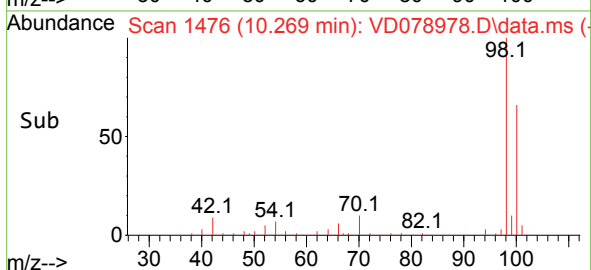
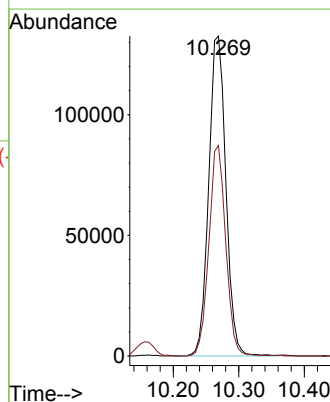
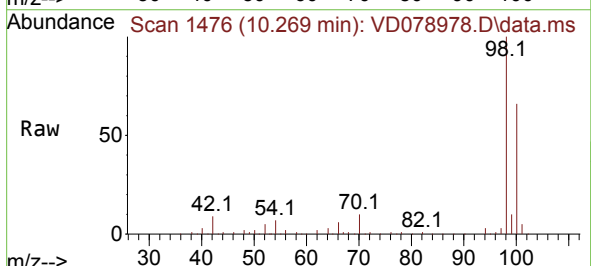
Acq: 22 May 2024 14:41

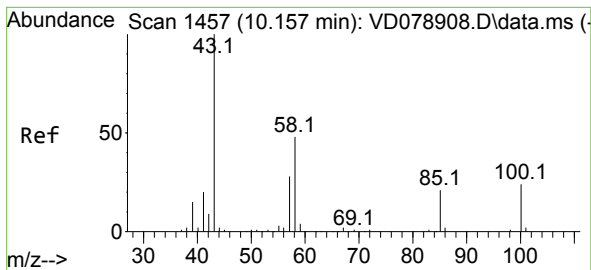
Tgt Ion: 98 Resp: 241189

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4

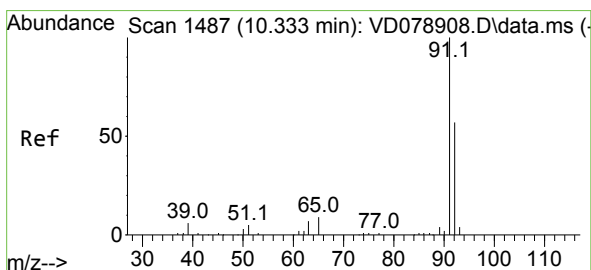
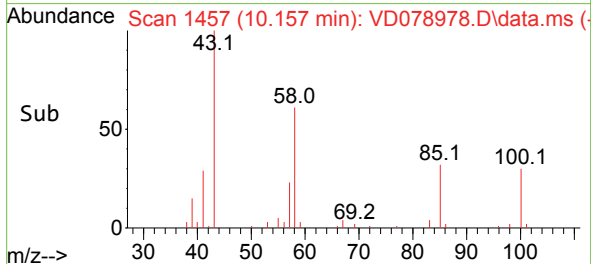
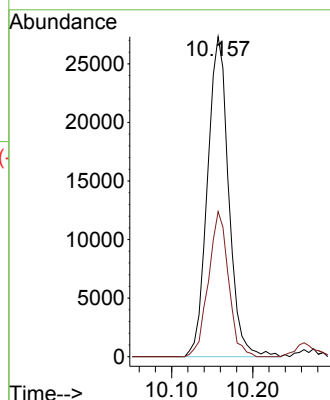
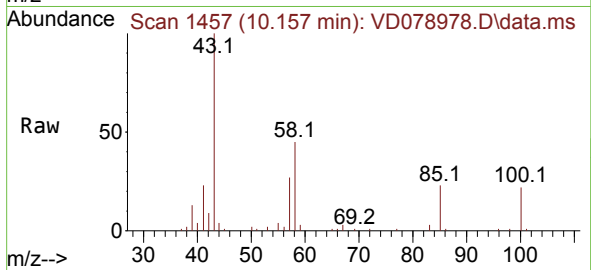




#51  
4-Methyl-2-Pentanone  
Concen: 93.224 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

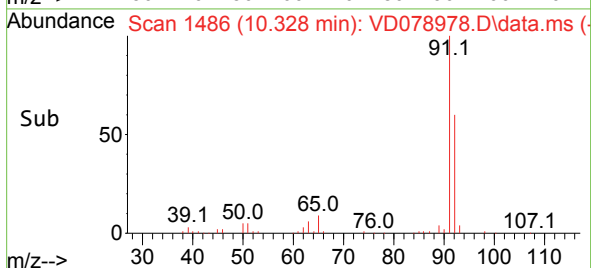
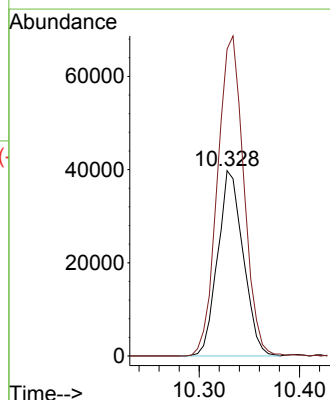
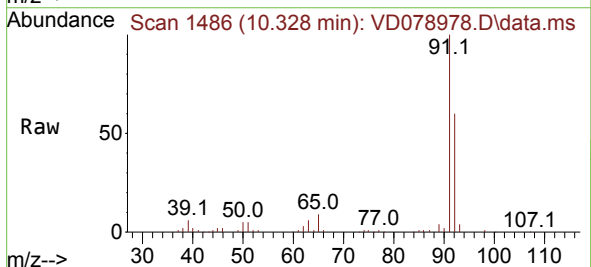
Instrument :  
MSVOA\_D  
ClientSampleId :

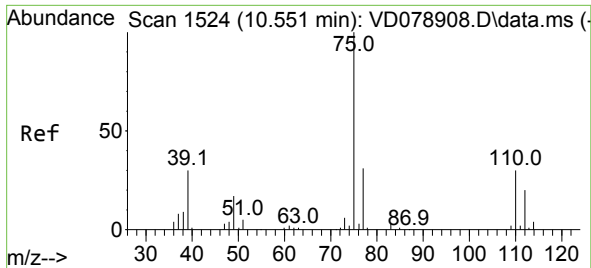
Tgt Ion: 43 Resp: 49510  
Ion Ratio Lower Upper  
43 100  
58 42.9 36.6 55.0



#52  
Toluene  
Concen: 20.556 ug/l  
RT: 10.328 min Scan# 1486  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 92 Resp: 70176  
Ion Ratio Lower Upper  
92 100  
91 178.4 141.7 212.5

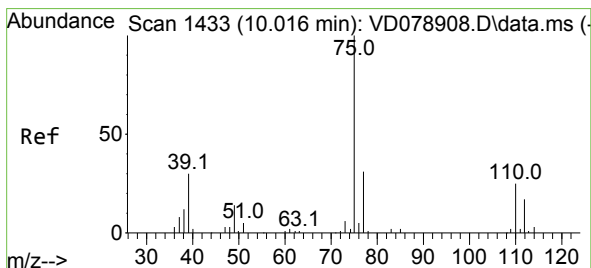
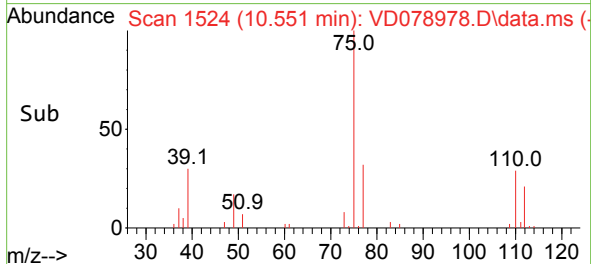
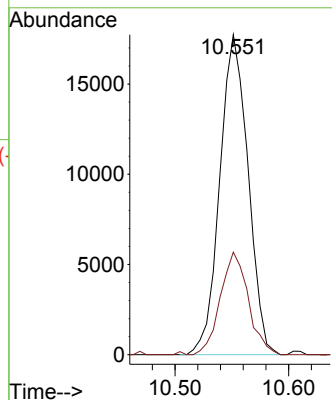
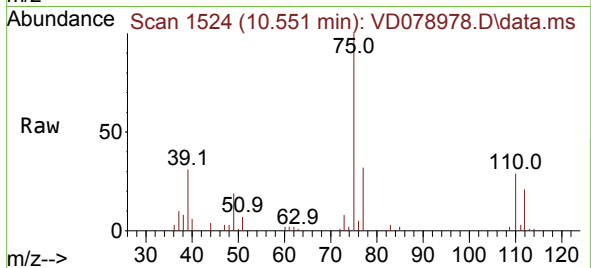




#53  
t-1,3-Dichloropropene  
Concen: 19.429 ug/l  
RT: 10.551 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

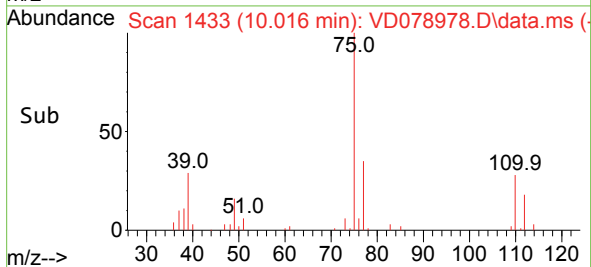
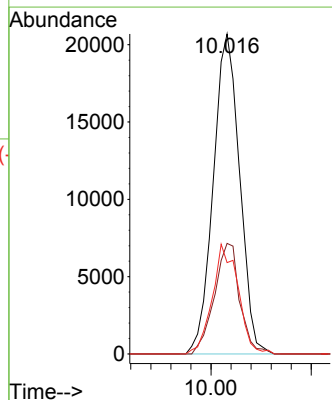
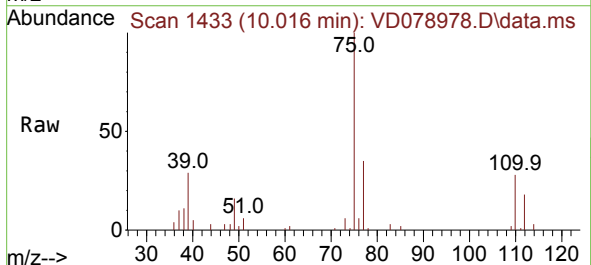
Instrument :  
MSVOA\_D  
ClientSampleId :

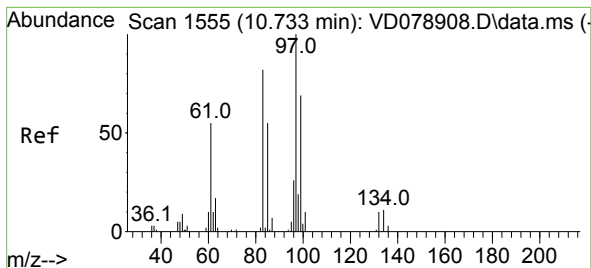
Tgt Ion: 75 Resp: 30661  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.0 37.6



#54  
cis-1,3-Dichloropropene  
Concen: 19.905 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 75 Resp: 37703  
Ion Ratio Lower Upper  
75 100  
77 34.5 24.4 36.6  
39 28.6 24.2 36.2





#55

1,1,2-Trichloroethane

Concen: 18.729 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

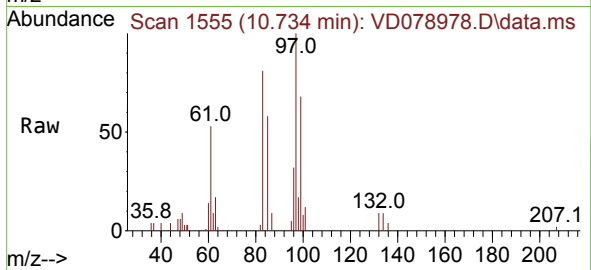
Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 97 Resp: 18668

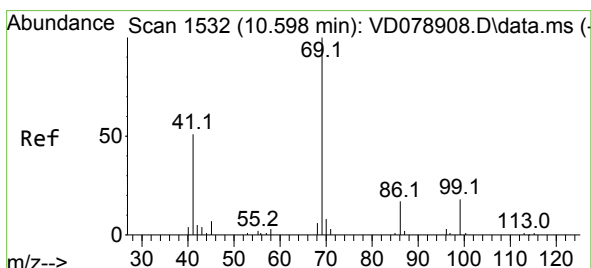
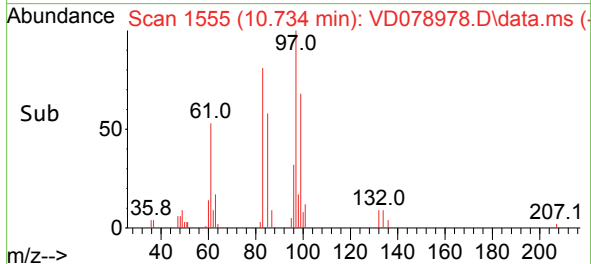
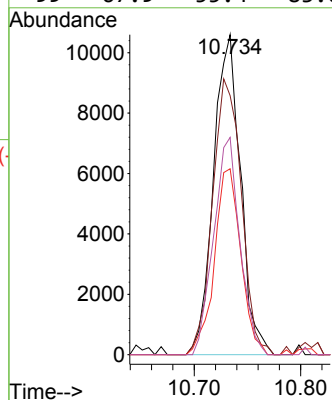
Ion Ratio Lower Upper

97 100

83 80.9 65.8 98.8

85 58.1 43.8 65.8

99 67.9 55.4 83.0



#56

Ethyl methacrylate

Concen: 19.130 ug/l

RT: 10.592 min Scan# 1531

Delta R.T. -0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

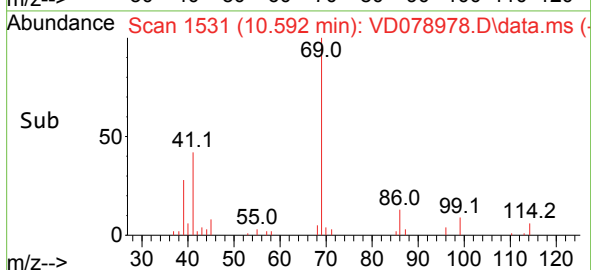
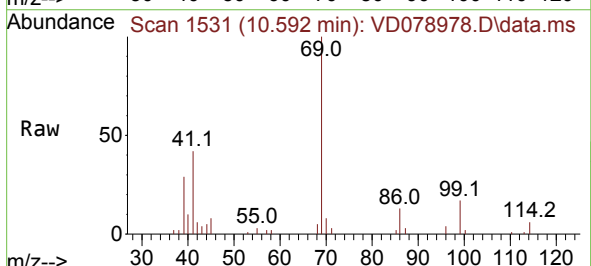
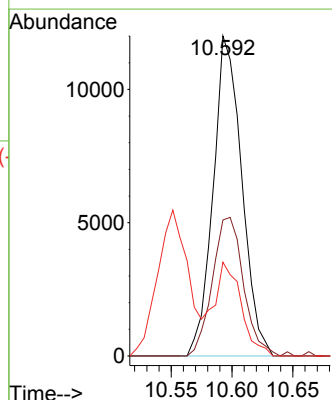
Tgt Ion: 69 Resp: 19618

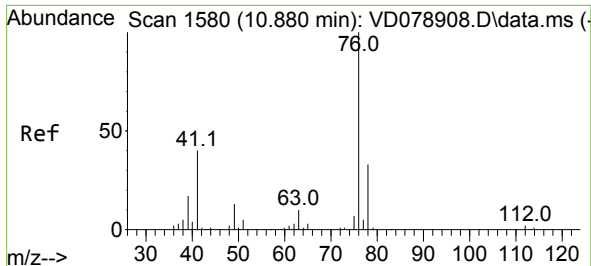
Ion Ratio Lower Upper

69 100

41 47.4 39.8 59.6

39 28.1 20.2 30.4





#57

1,3-Dichloropropane

Concen: 19.746 ug/l

RT: 10.875 min Scan# 1579

Delta R.T. -0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

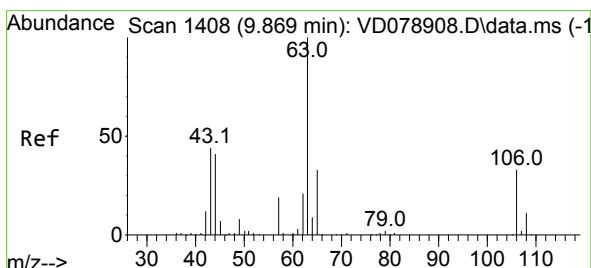
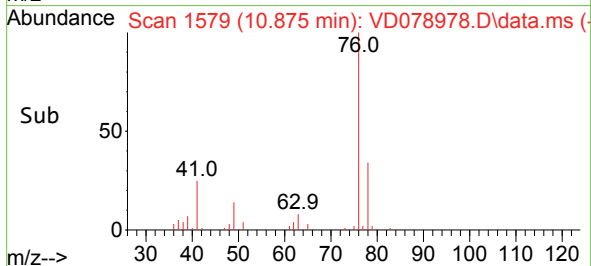
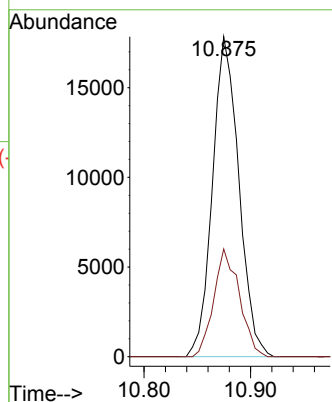
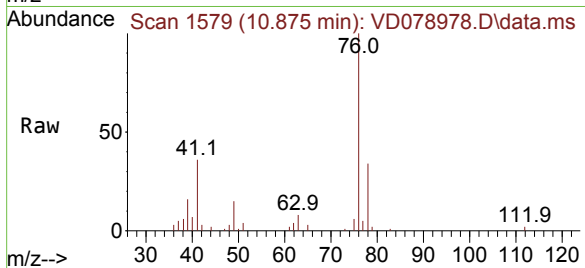
ClientSampleId :

Tgt Ion: 76 Resp: 30647

Ion Ratio Lower Upper

76 100

78 32.7 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 97.008 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078978.D

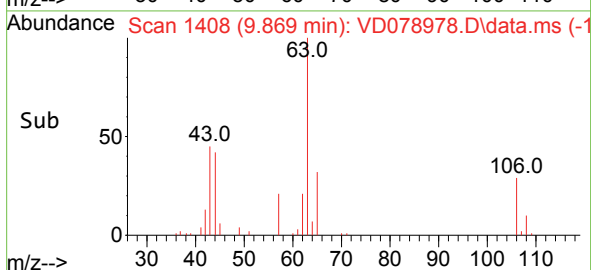
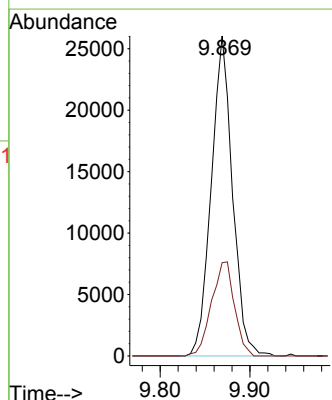
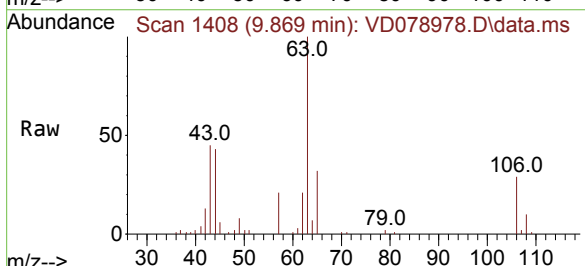
Acq: 22 May 2024 14:41

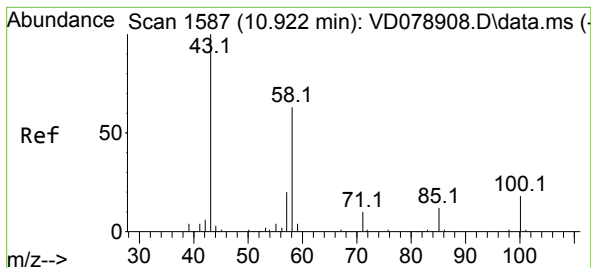
Tgt Ion: 63 Resp: 42745

Ion Ratio Lower Upper

63 100

106 31.7 26.4 39.6





#59

2-Hexanone

Concen: 90.275 ug/l

RT: 10.916 min Scan# 1586

Delta R.T. -0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

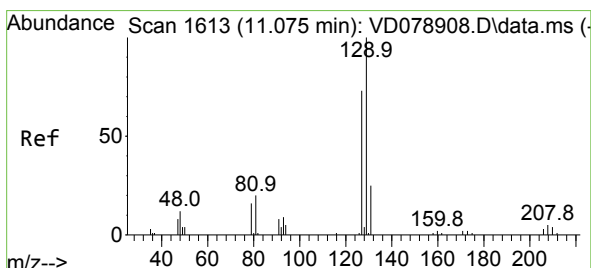
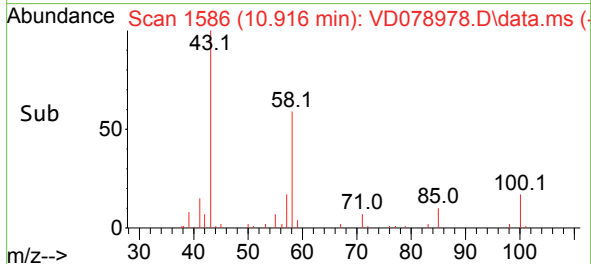
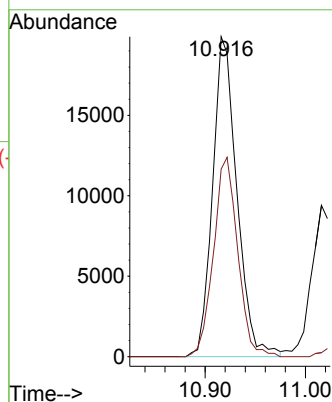
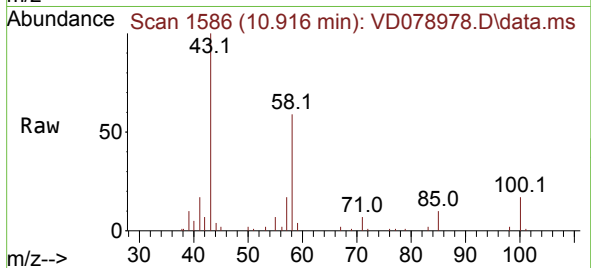
ClientSampleId :

Tgt Ion: 43 Resp: 33371

Ion Ratio Lower Upper

43 100

58 62.3 31.1 93.5



#60

Dibromochloromethane

Concen: 20.138 ug/l

RT: 11.069 min Scan# 1612

Delta R.T. -0.006 min

Lab File: VD078978.D

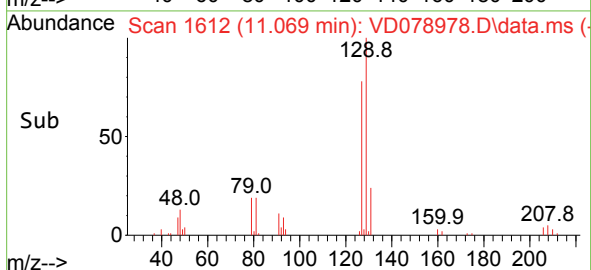
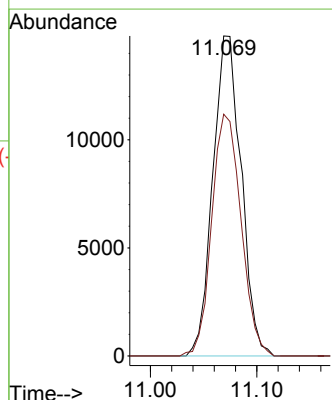
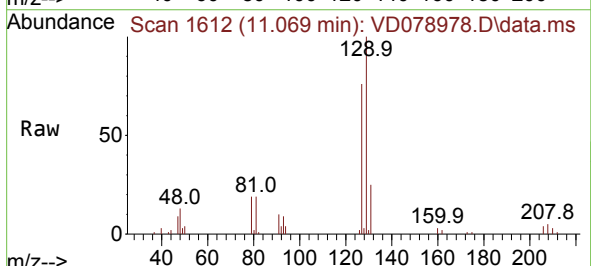
Acq: 22 May 2024 14:41

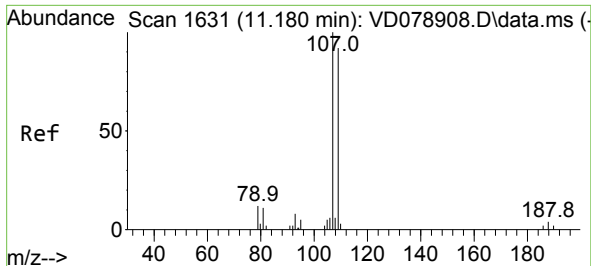
Tgt Ion:129 Resp: 27363

Ion Ratio Lower Upper

129 100

127 78.0 38.0 113.9

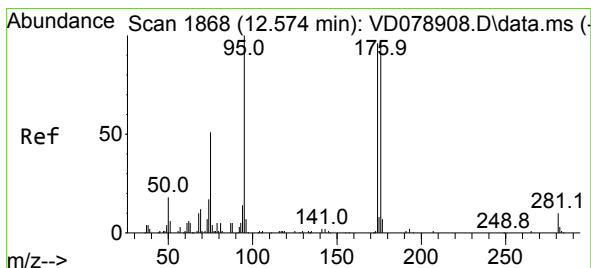
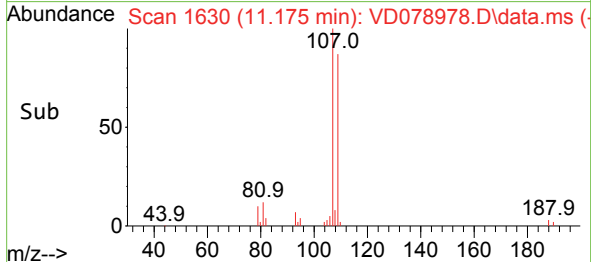
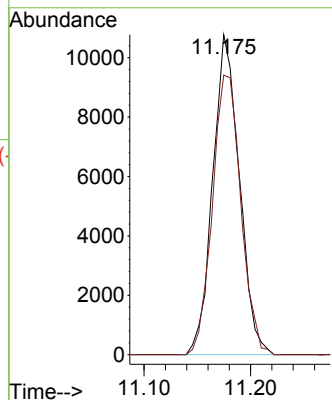
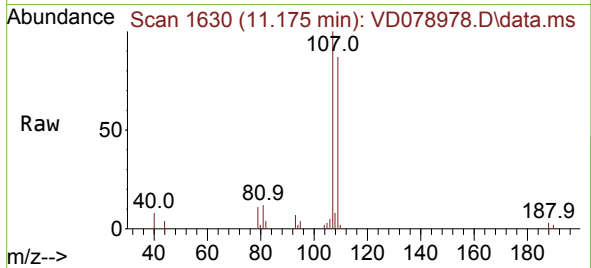




#61  
1,2-Dibromoethane  
Concen: 20.512 ug/l  
RT: 11.175 min Scan# 1630  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

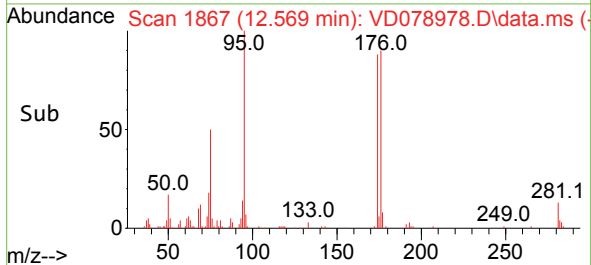
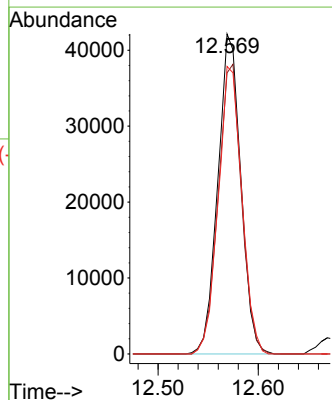
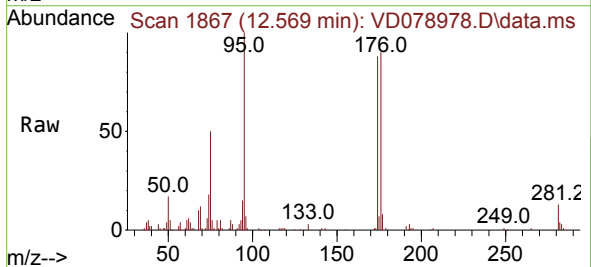
Instrument :  
MSVOA\_D  
ClientSampleId :

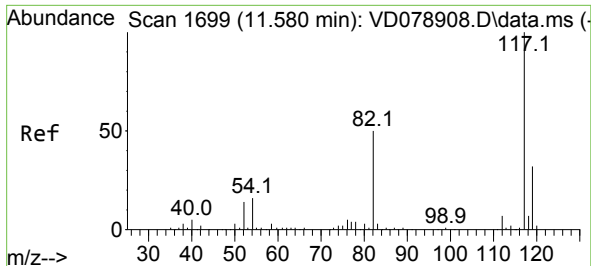
Tgt Ion:107 Resp: 18642  
Ion Ratio Lower Upper  
107 100  
109 93.5 72.0 108.0



#62  
4-Bromofluorobenzene  
Concen: 48.077 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

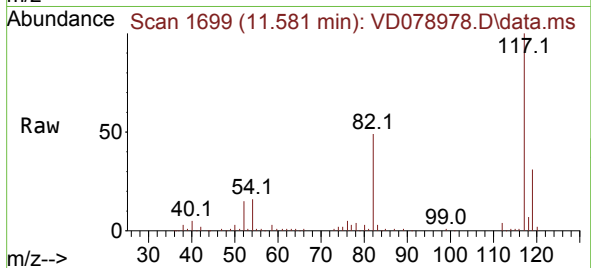
Tgt Ion: 95 Resp: 67091  
Ion Ratio Lower Upper  
95 100  
174 92.1 0.0 195.4  
176 92.1 0.0 192.6



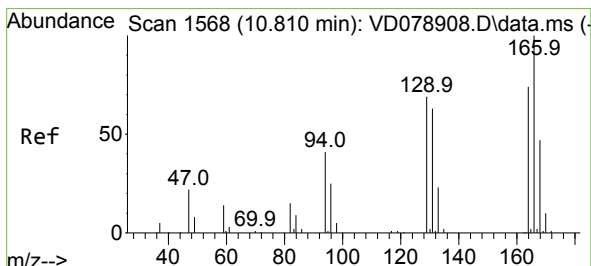
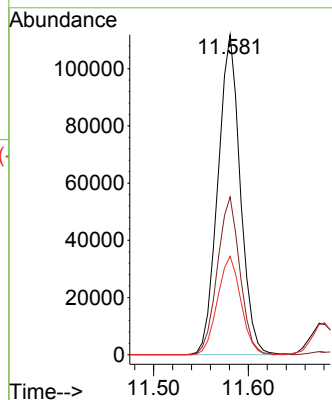
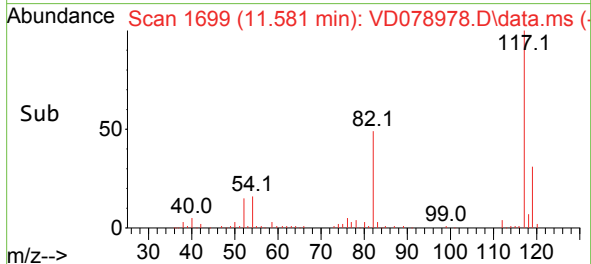


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

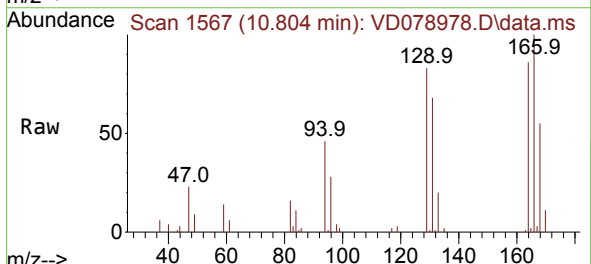
Instrument :  
MSVOA\_D  
ClientSampleId :



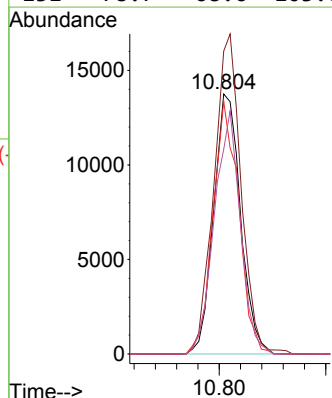
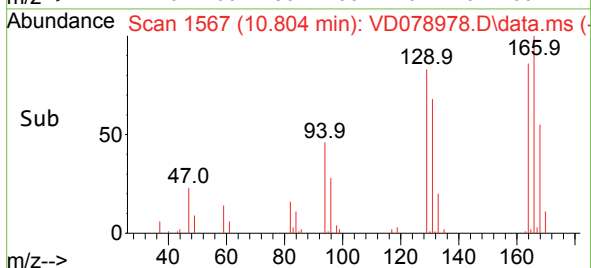
Tgt Ion:117 Resp: 183795  
Ion Ratio Lower Upper  
117 100  
82 49.3 39.8 59.6  
119 30.8 25.7 38.5

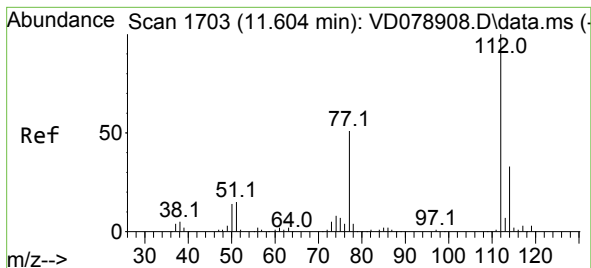


#64  
Tetrachloroethene  
Concen: 20.693 ug/l  
RT: 10.804 min Scan# 1567  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41



Tgt Ion:164 Resp: 24129  
Ion Ratio Lower Upper  
164 100  
166 116.5 108.6 163.0  
129 97.1 74.6 112.0  
131 78.7 68.6 103.0





#65

Chlorobenzene

Concen: 20.712 ug/l

RT: 11.604 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

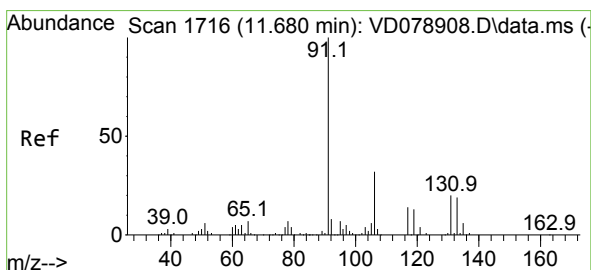
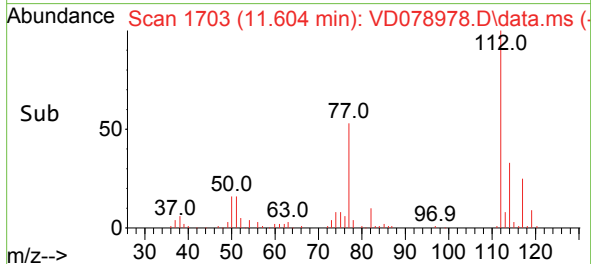
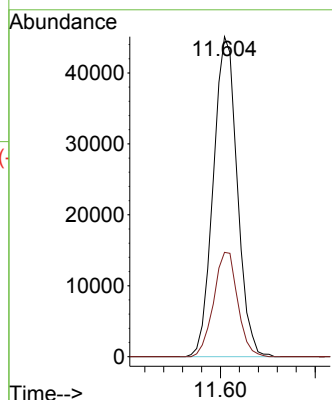
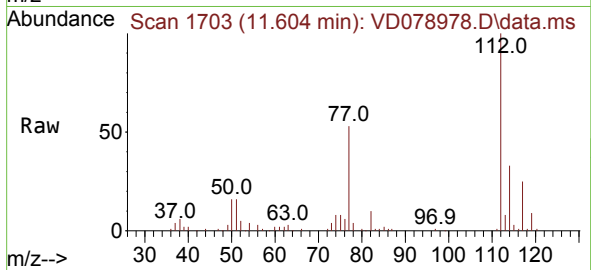
ClientSampleId :

Tgt Ion:112 Resp: 79184

Ion Ratio Lower Upper

112 100

114 32.6 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 21.339 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

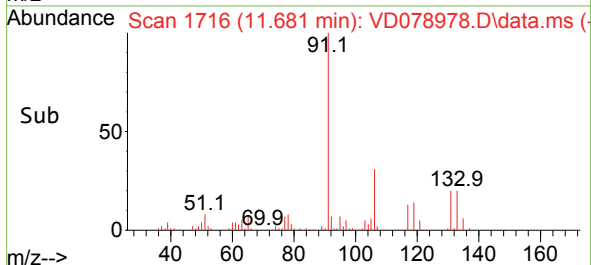
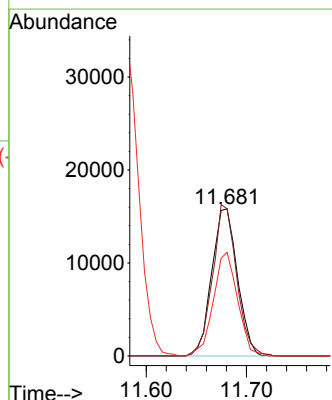
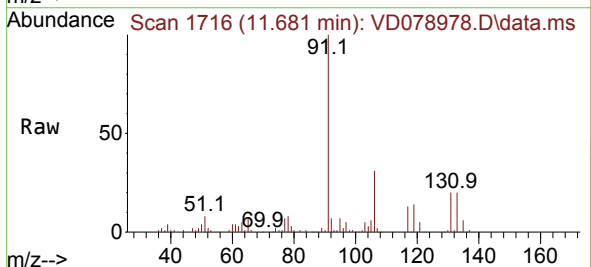
Tgt Ion:131 Resp: 28203

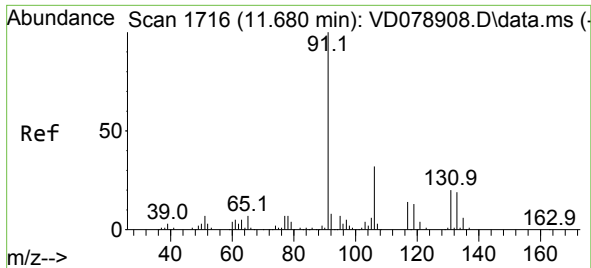
Ion Ratio Lower Upper

131 100

133 96.3 49.2 147.6

119 66.4 33.4 100.2

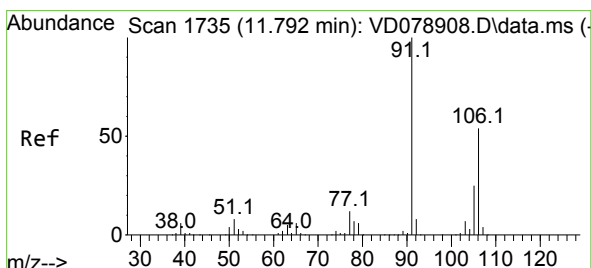
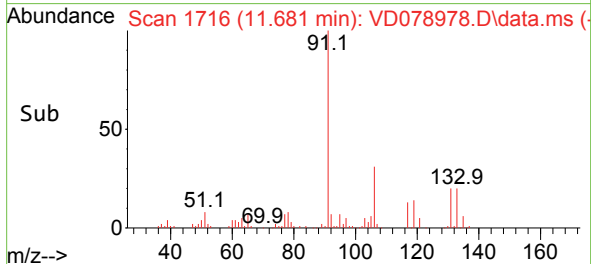
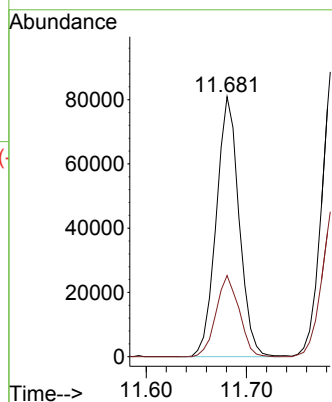
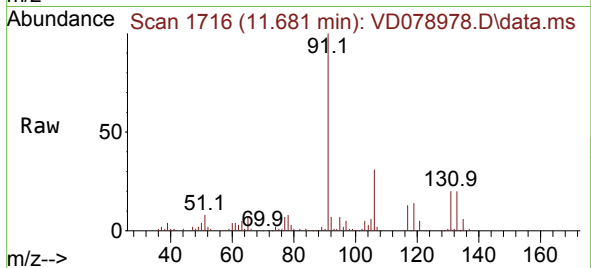




#67  
Ethyl Benzene  
Concen: 20.815 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

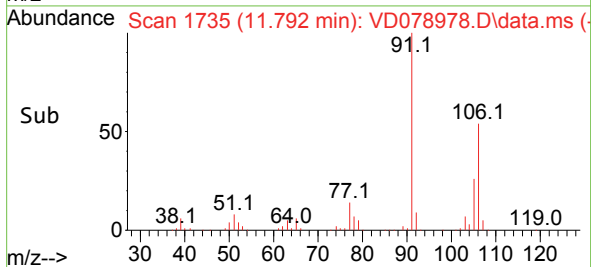
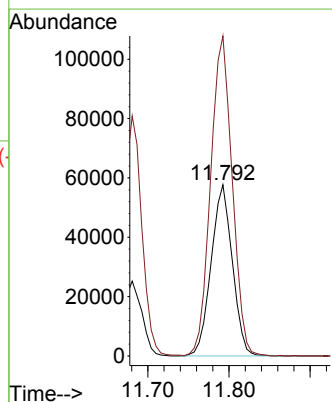
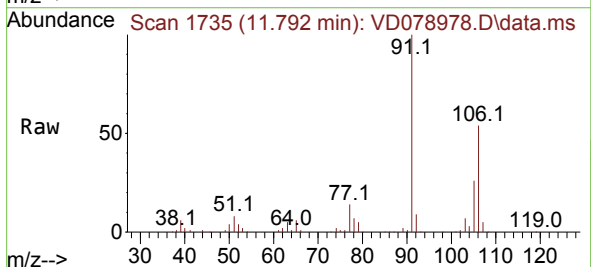
Instrument :  
MSVOA\_D  
ClientSampleId :

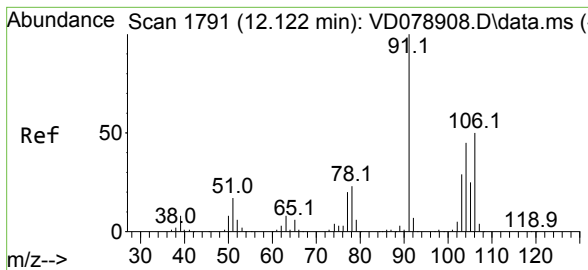
Tgt Ion: 91 Resp: 127999  
Ion Ratio Lower Upper  
91 100  
106 31.2 25.8 38.6



#68  
m/p-Xylenes  
Concen: 41.847 ug/l  
RT: 11.792 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 106 Resp: 104619  
Ion Ratio Lower Upper  
106 100  
91 190.5 148.5 222.7

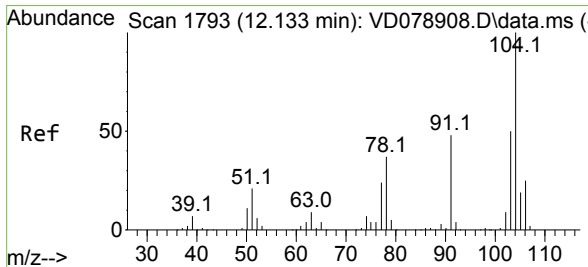
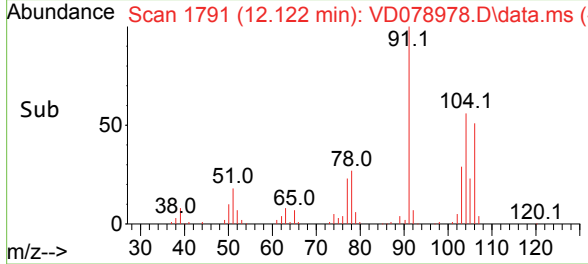
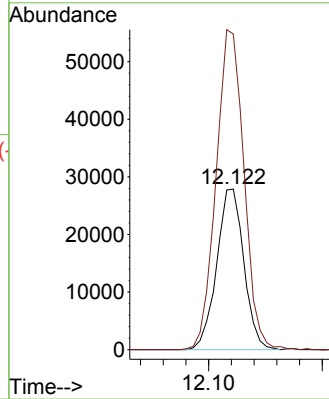
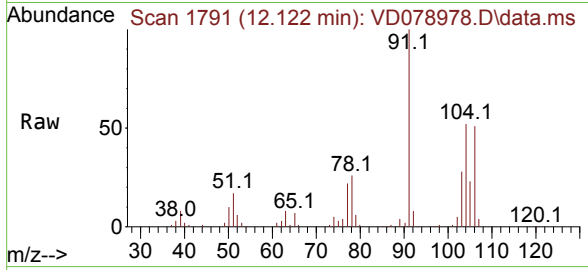




#69  
o-Xylene  
Concen: 20.286 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

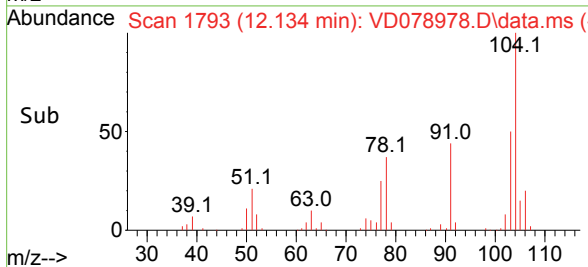
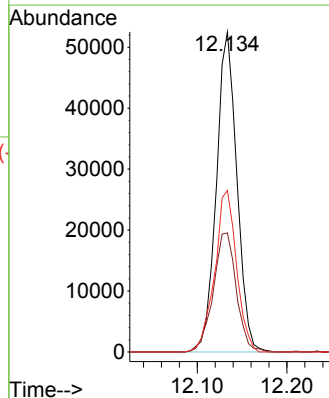
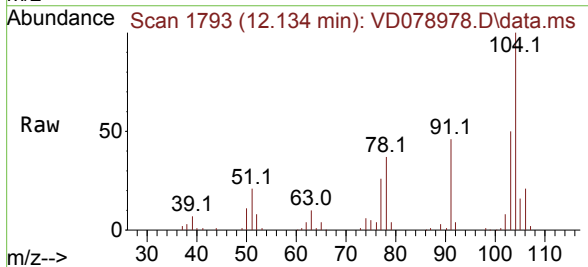
Instrument :  
MSVOA\_D  
ClientSampleId :

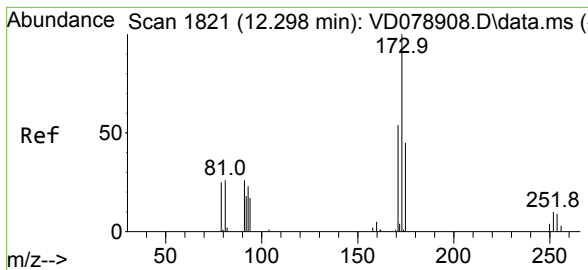
Tgt Ion:106 Resp: 46235  
Ion Ratio Lower Upper  
106 100  
91 205.1 96.7 290.1



#70  
Styrene  
Concen: 20.645 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion:104 Resp: 83393  
Ion Ratio Lower Upper  
104 100  
78 41.8 33.0 49.6  
103 53.7 44.2 66.4

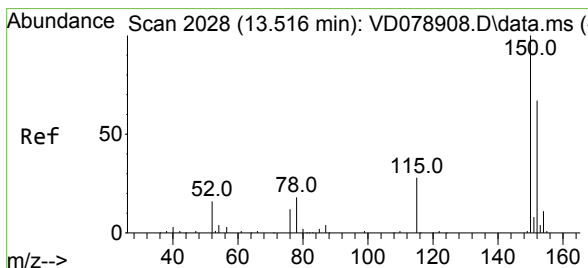
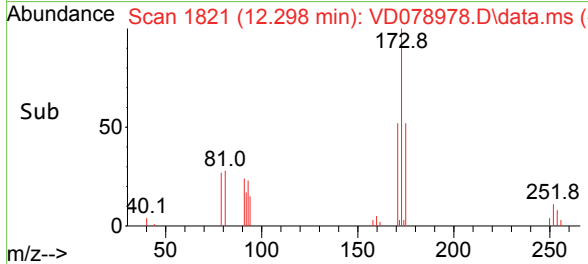
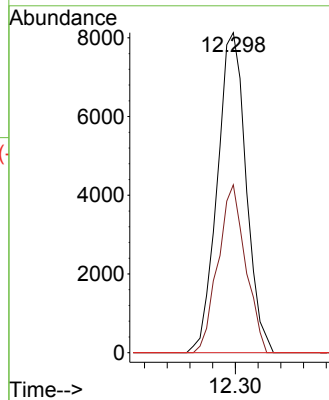
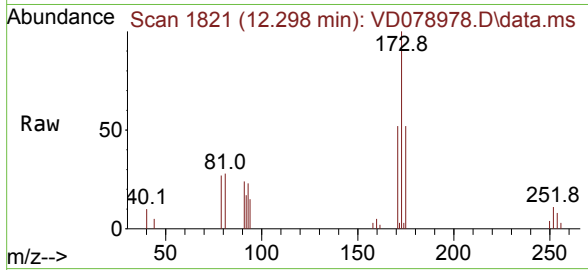




#71  
Bromoform  
Concen: 18.903 ug/l  
RT: 12.298 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

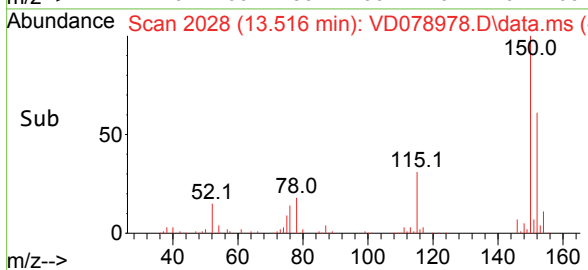
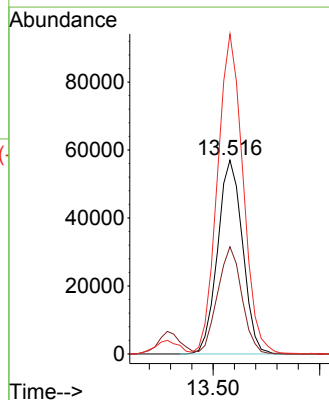
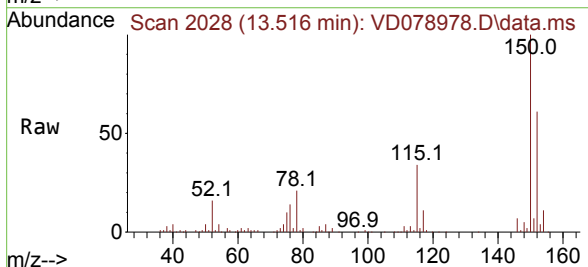
Instrument :  
MSVOA\_D  
ClientSampleId :

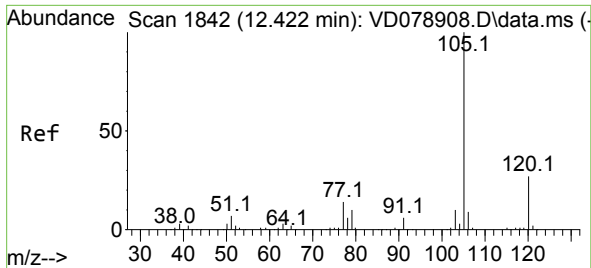
Tgt Ion:173 Resp: 14311  
Ion Ratio Lower Upper  
173 100  
175 50.1 23.7 71.1  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion:152 Resp: 92727  
Ion Ratio Lower Upper  
152 100  
115 53.7 26.5 79.5  
150 169.2 0.0 341.6

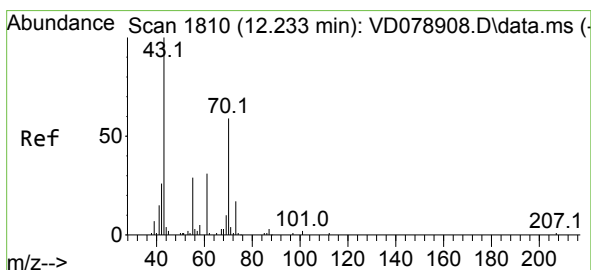
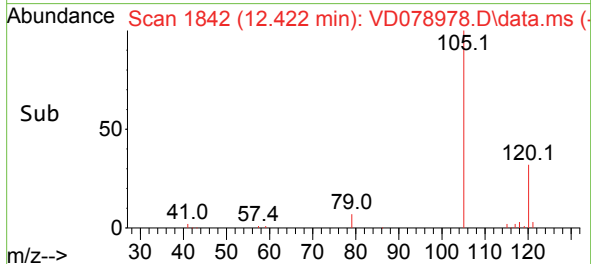
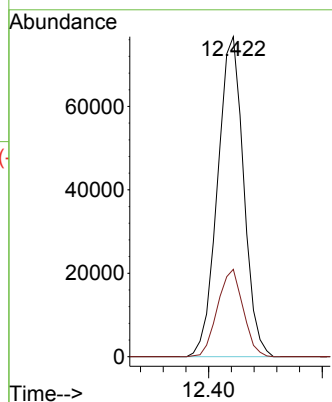
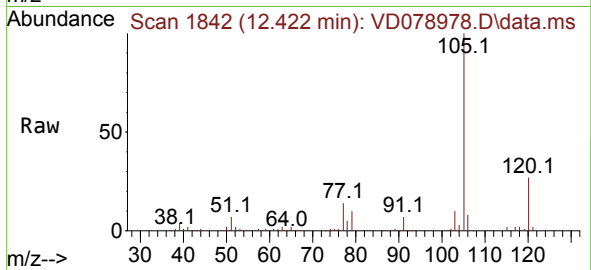




#73  
Isopropylbenzene  
Concen: 22.087 ug/l  
RT: 12.422 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

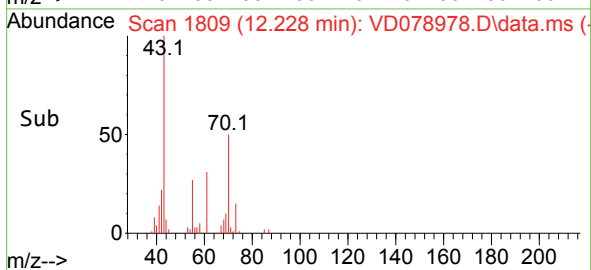
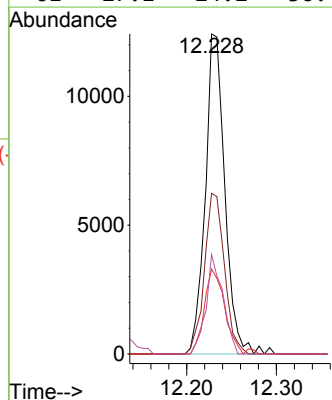
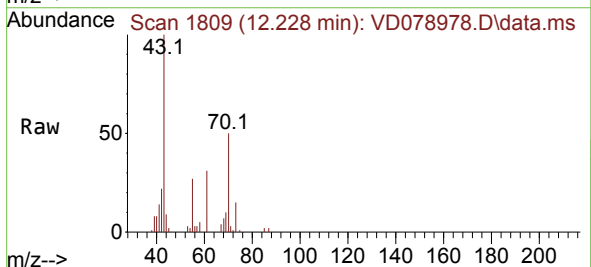
Instrument :  
MSVOA\_D  
ClientSampleId :

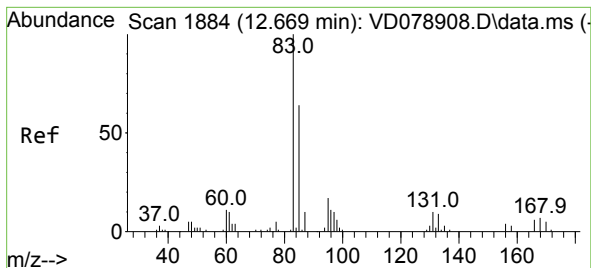
Tgt Ion:105 Resp: 122238  
Ion Ratio Lower Upper  
105 100  
120 26.7 13.6 40.7



#74  
N-ethyl acetate  
Concen: 21.026 ug/l  
RT: 12.228 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 43 Resp: 18882  
Ion Ratio Lower Upper  
43 100  
70 51.2 44.3 66.5  
55 27.8 23.2 34.8  
61 27.1 24.2 36.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.879 ug/l

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

ClientSampleId :

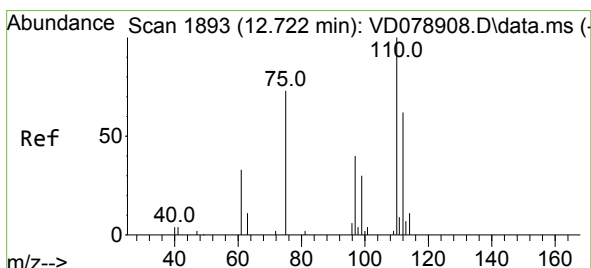
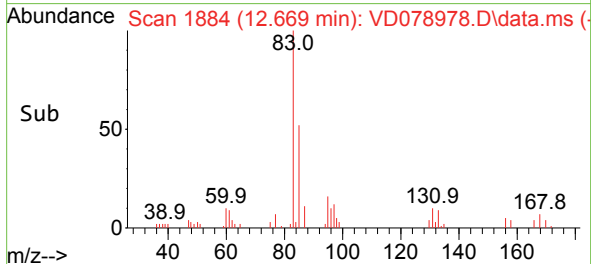
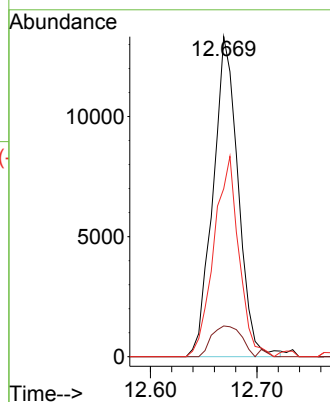
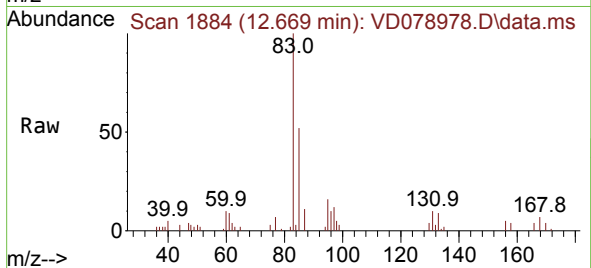
Tgt Ion: 83 Resp: 21842

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.5

85 62.4 33.8 101.3



#76

1,2,3-Trichloropropane

Concen: 38.895 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD078978.D

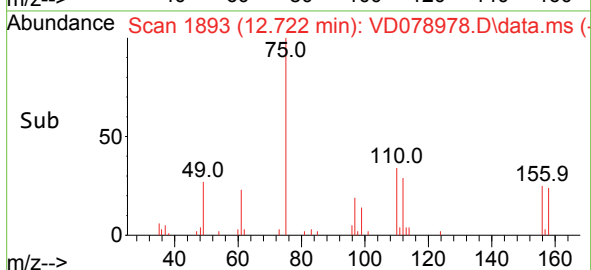
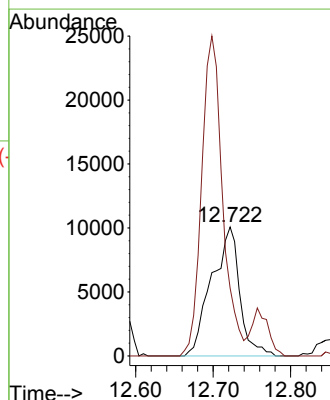
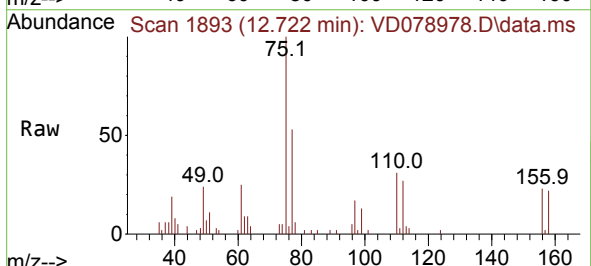
Acq: 22 May 2024 14:41

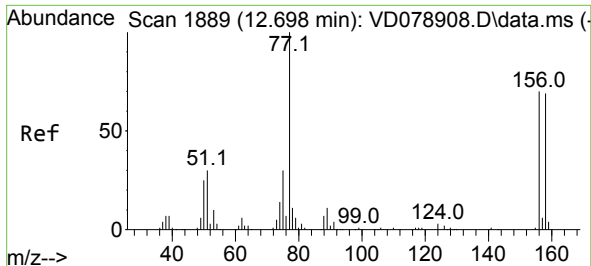
Tgt Ion: 75 Resp: 25391

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

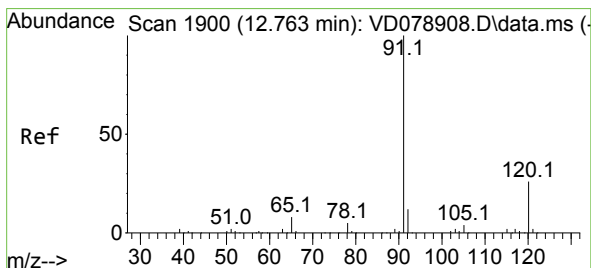
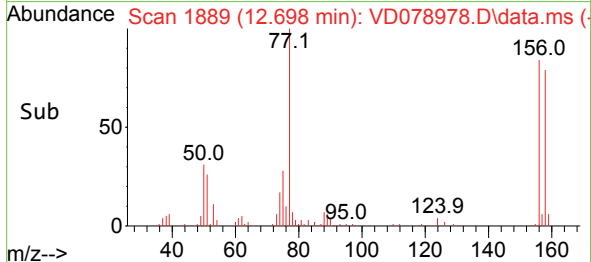
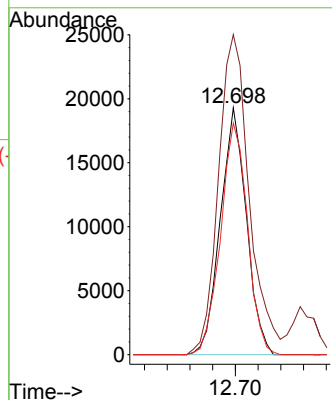
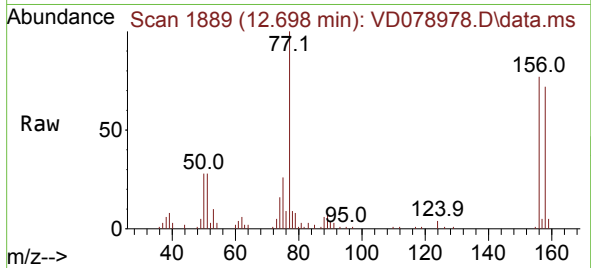




#77  
Bromobenzene  
Concen: 21.151 ug/l  
RT: 12.698 min Scan# 1889  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

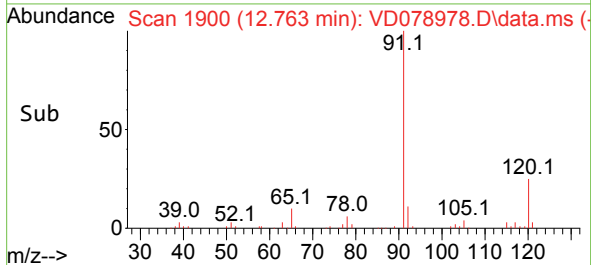
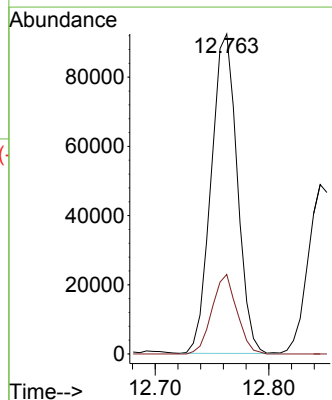
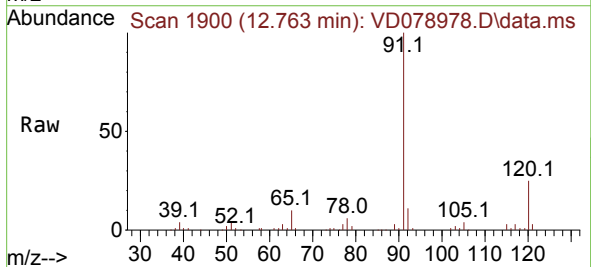
Instrument :  
MSVOA\_D  
ClientSampleId :

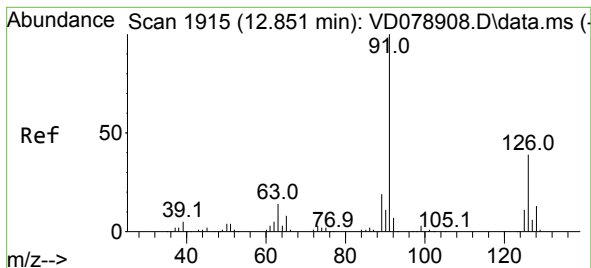
Tgt Ion:156 Resp: 30782  
Ion Ratio Lower Upper  
156 100  
77 152.9 77.3 231.9  
158 96.5 49.6 149.0



#78  
n-propylbenzene  
Concen: 21.994 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Tgt Ion: 91 Resp: 147128  
Ion Ratio Lower Upper  
91 100  
120 23.8 12.3 36.8





#79

2-Chlorotoluene

Concen: 22.187 ug/l

RT: 12.845 min Scan# 1915

Delta R.T. -0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

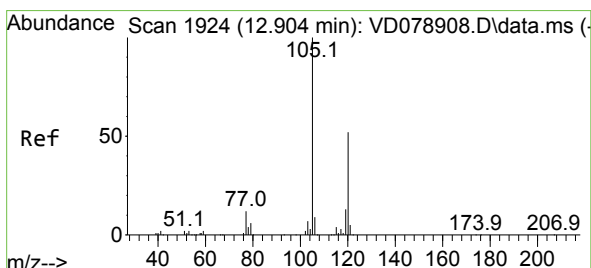
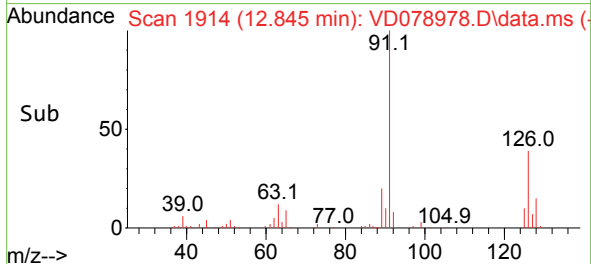
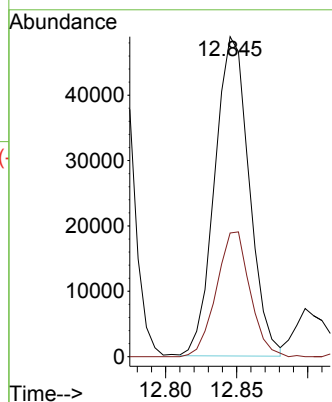
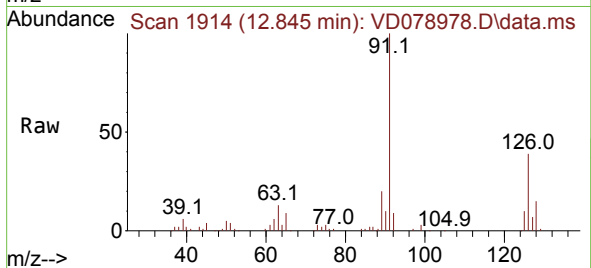
ClientSampleId :

Tgt Ion: 91 Resp: 82489

Ion Ratio Lower Upper

91 100

126 38.2 19.3 57.8



#80

1,3,5-Trimethylbenzene

Concen: 21.874 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD078978.D

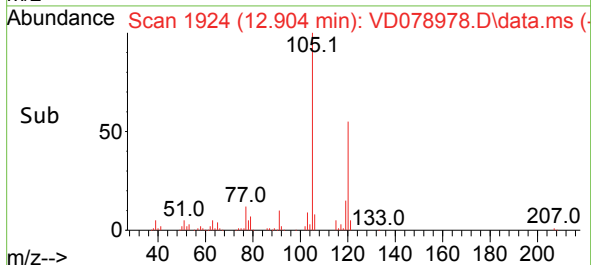
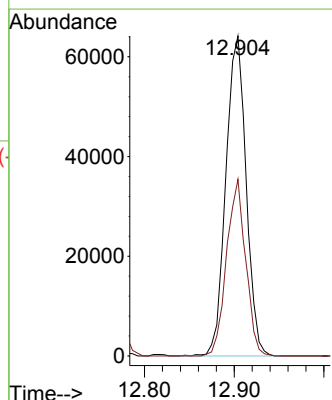
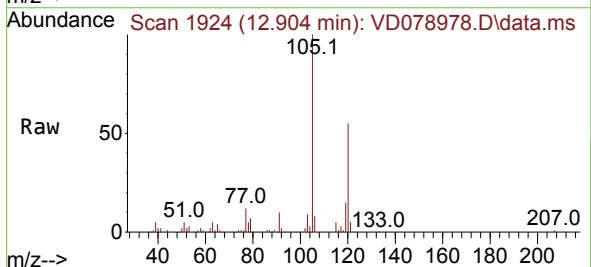
Acq: 22 May 2024 14:41

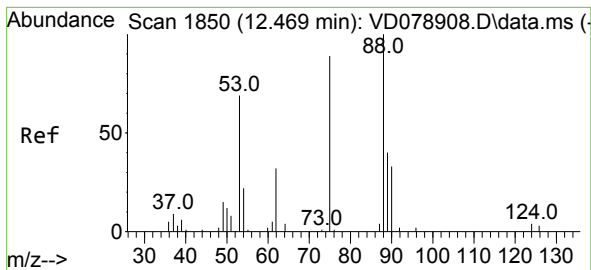
Tgt Ion: 105 Resp: 100581

Ion Ratio Lower Upper

105 100

120 52.1 25.7 77.1

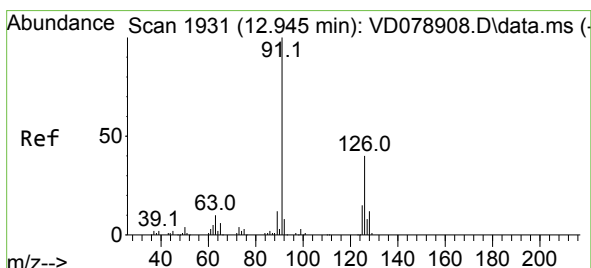
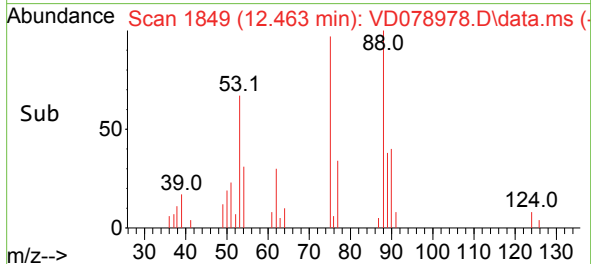
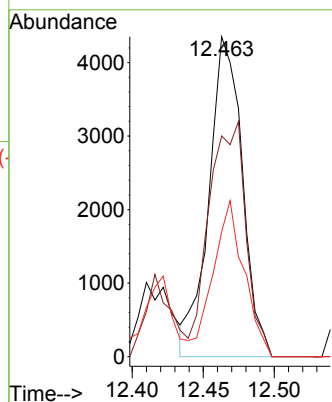
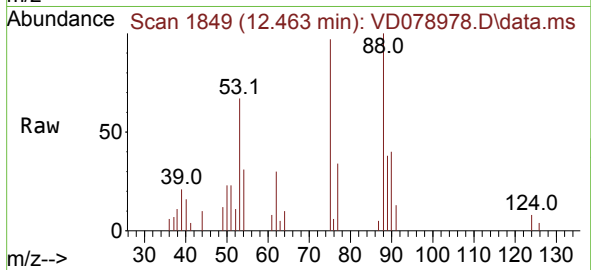




#81  
trans-1,4-Dichloro-2-butene  
Concen: 21.650 ug/l  
RT: 12.463 min Scan# 1849  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

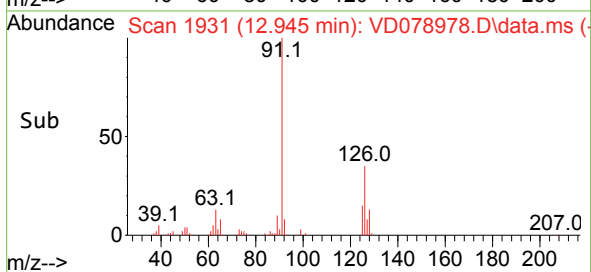
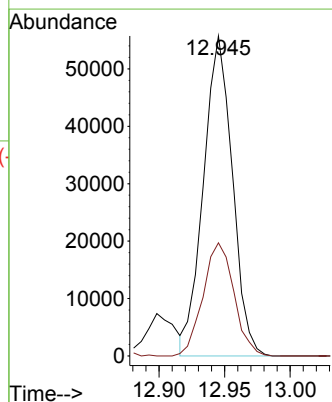
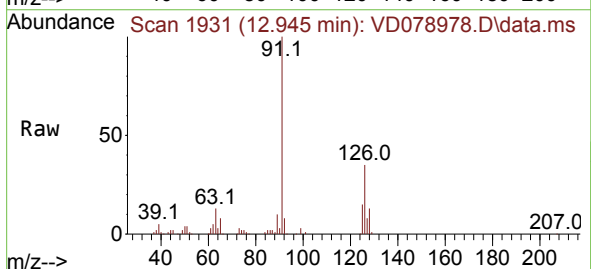
Instrument :  
MSVOA\_D  
ClientSampleId :

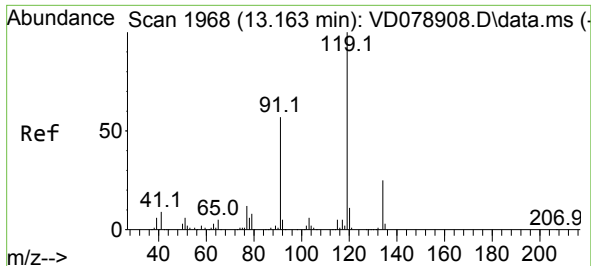
Tgt Ion: 75 Resp: 7127  
Ion Ratio Lower Upper  
75 100  
53 80.4 61.4 92.2  
89 45.2 35.4 53.0



#82  
4-Chlorotoluene  
Concen: 21.945 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

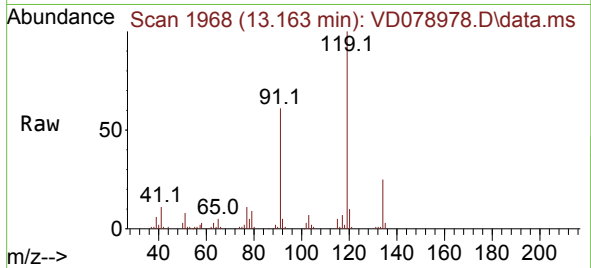
Tgt Ion: 91 Resp: 85597  
Ion Ratio Lower Upper  
91 100  
126 37.7 18.9 56.9



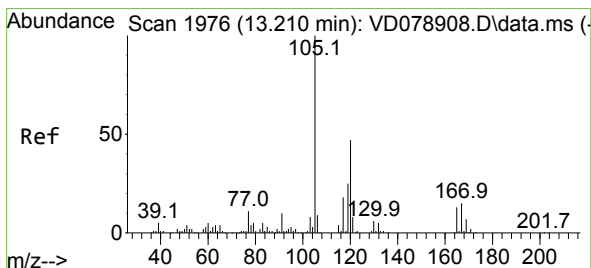
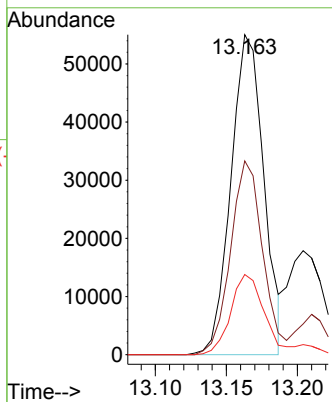
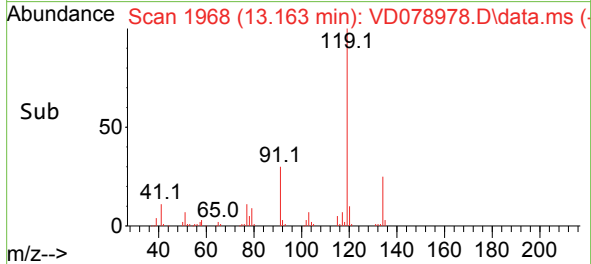


#83  
tert-Butylbenzene  
Concen: 21.809 ug/l  
RT: 13.163 min Scan# 1968  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

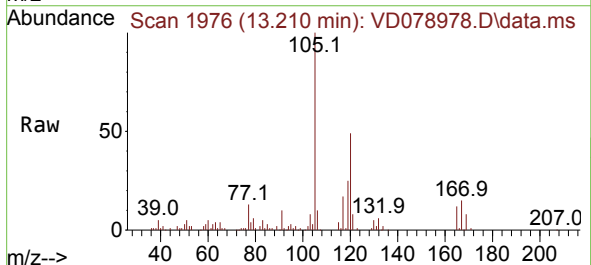
Instrument :  
MSVOA\_D  
ClientSampleId :



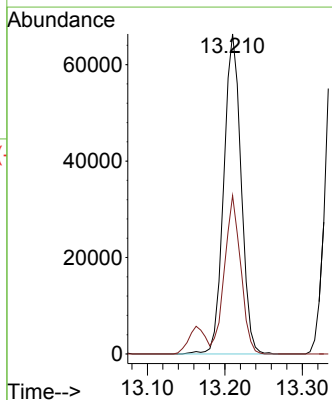
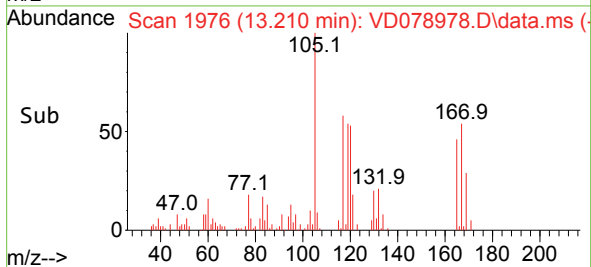
Tgt Ion:119 Resp: 88686  
Ion Ratio Lower Upper  
119 100  
91 59.2 28.2 84.7  
134 25.2 13.4 40.1

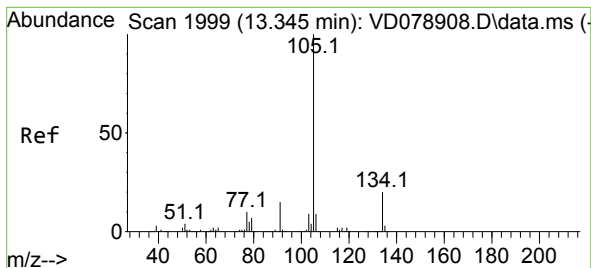


#84  
1,2,4-Trimethylbenzene  
Concen: 21.650 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41



Tgt Ion:105 Resp: 103113  
Ion Ratio Lower Upper  
105 100  
120 46.6 23.6 71.0





#85

sec-Butylbenzene

Concen: 21.701 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

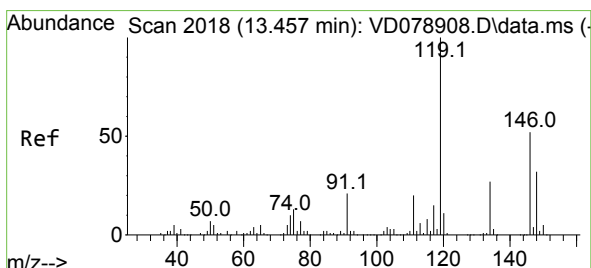
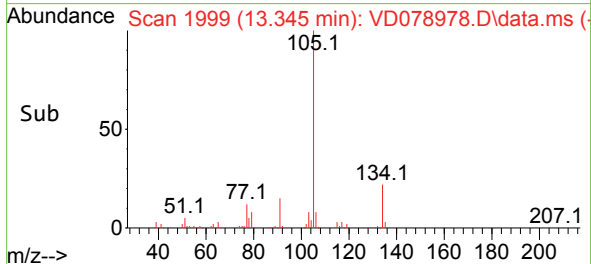
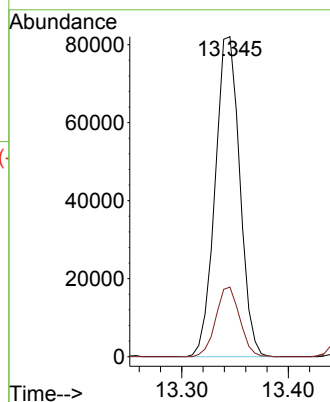
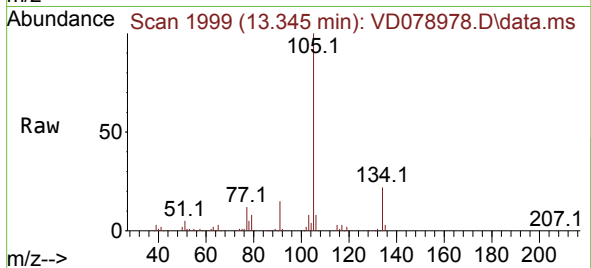
ClientSampleId :

Tgt Ion:105 Resp: 131637

Ion Ratio Lower Upper

105 100

134 21.1 10.3 30.8



#86

p-Isopropyltoluene

Concen: 21.202 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

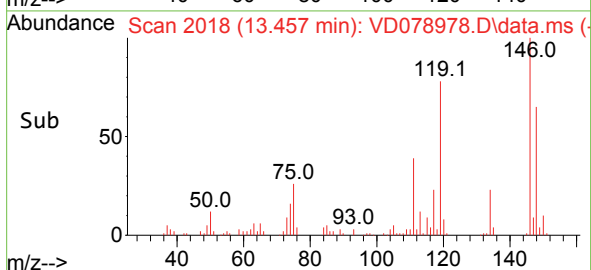
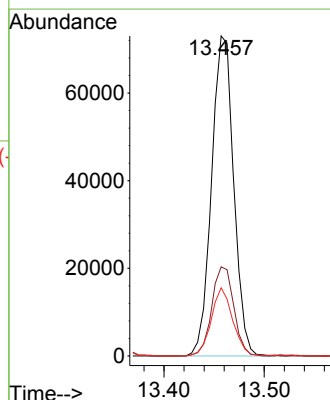
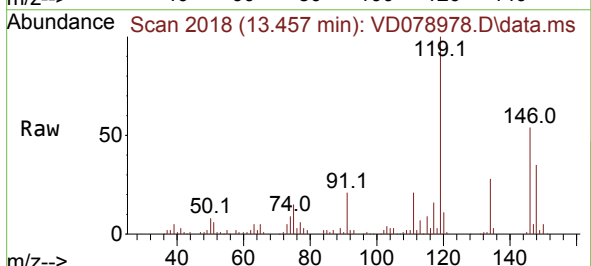
Tgt Ion:119 Resp: 112051

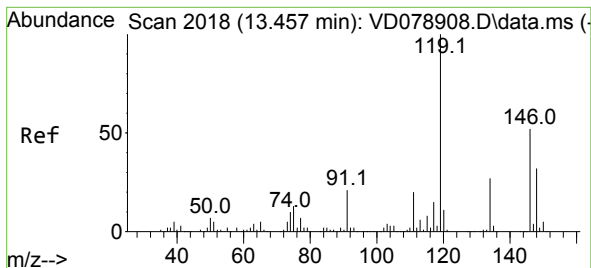
Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.1

91 20.8 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 20.972 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

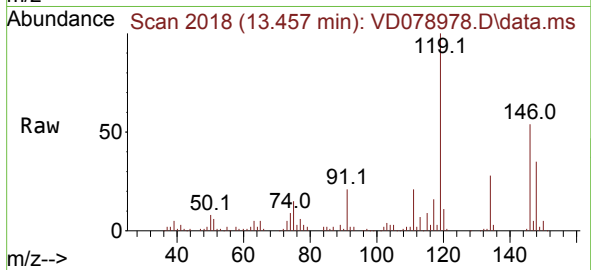
Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

ClientSampleId :



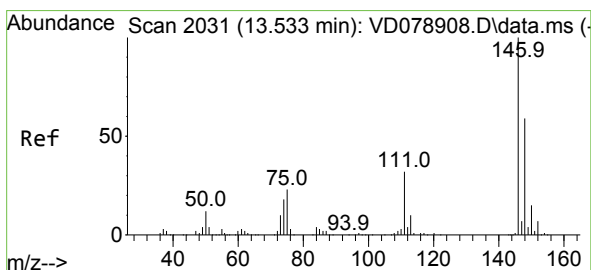
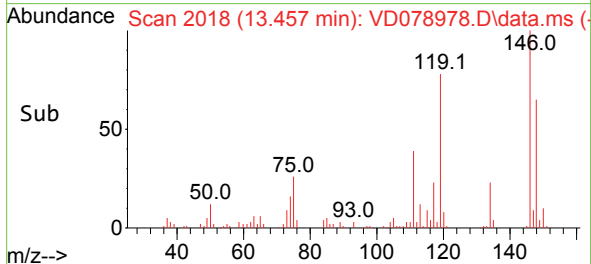
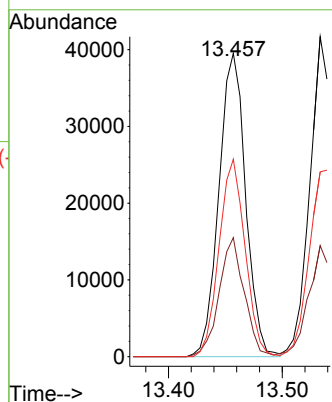
Tgt Ion:146 Resp: 64588

Ion Ratio Lower Upper

146 100

111 37.0 18.5 55.5

148 63.4 30.9 92.8



#88

1,4-Dichlorobenzene

Concen: 21.126 ug/l

RT: 13.534 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

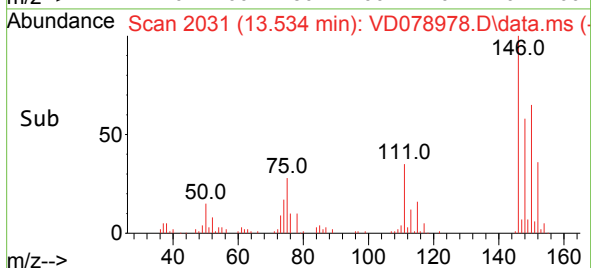
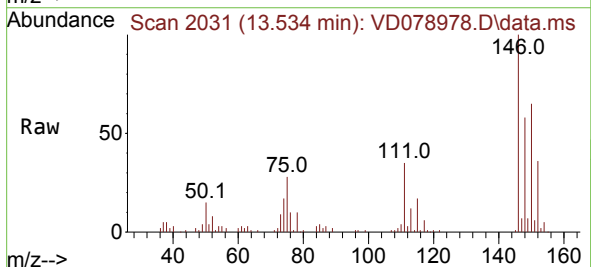
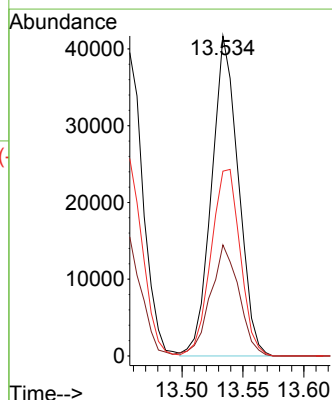
Tgt Ion:146 Resp: 63719

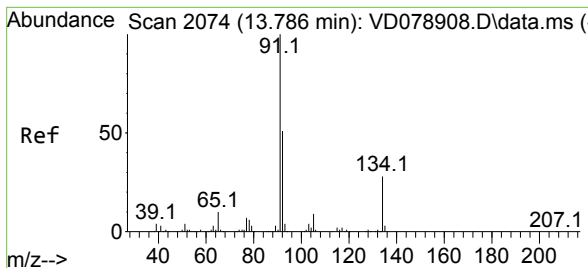
Ion Ratio Lower Upper

146 100

111 37.2 17.5 52.6

148 63.8 31.4 94.2





#89

n-Butylbenzene

Concen: 20.337 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD078978.D

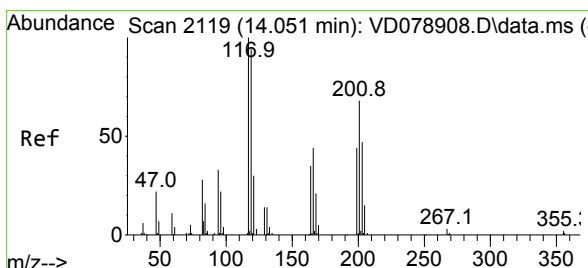
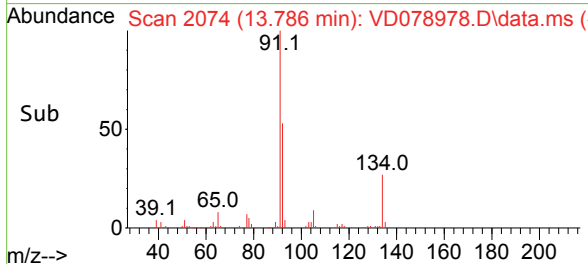
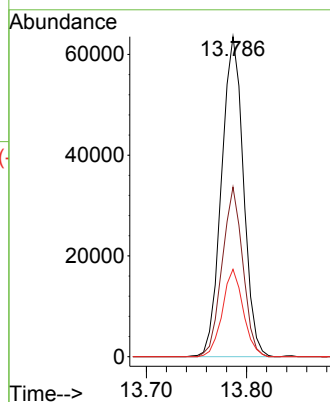
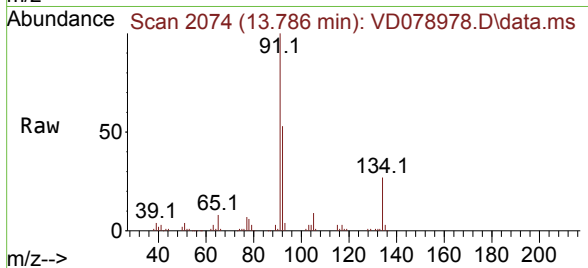
Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 96313 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 50.0  | 25.7  | 77.0  |
| 134      | 26.1  | 13.6  | 40.8  |



#90

Hexachloroethane

Concen: 23.127 ug/l

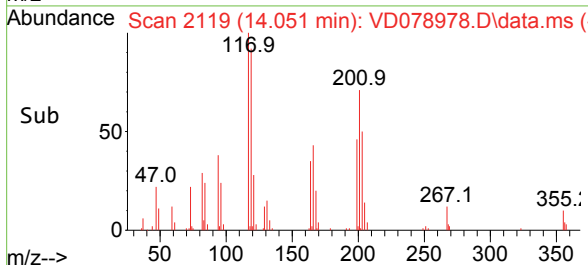
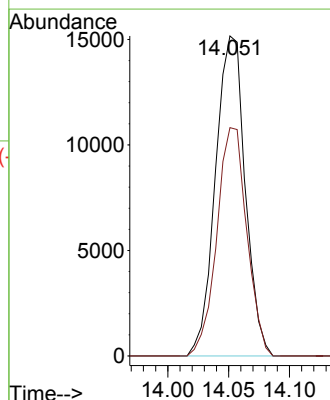
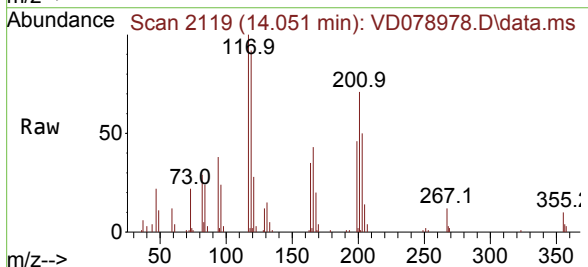
RT: 14.051 min Scan# 2119

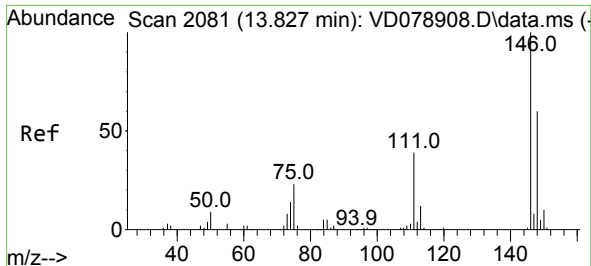
Delta R.T. 0.000 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

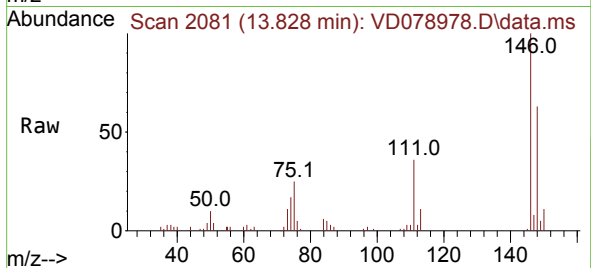
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 25782 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 71.9  | 36.3  | 108.9 |



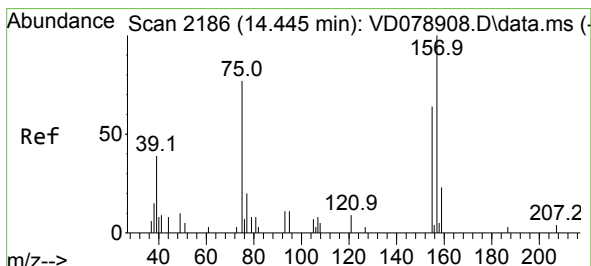
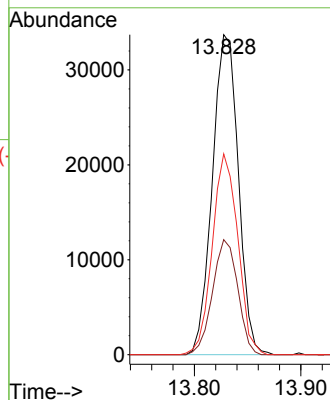
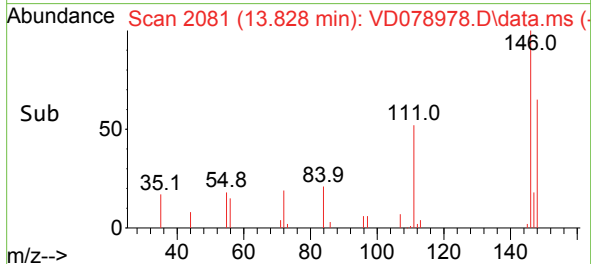


#91  
1,2-Dichlorobenzene  
Concen: 22.158 ug/l  
RT: 13.828 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

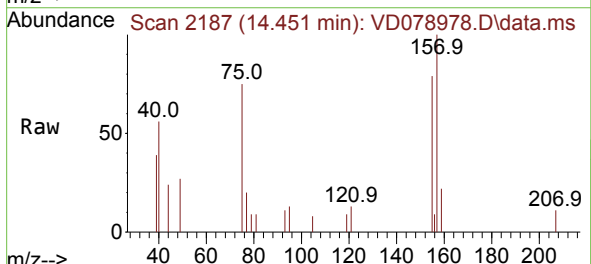
Instrument :  
MSVOA\_D  
ClientSampleId :



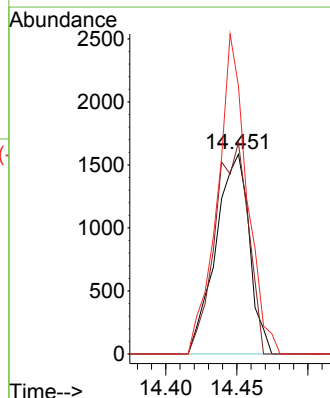
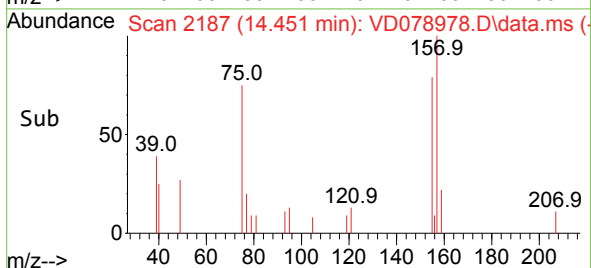
Tgt Ion:146 Resp: 57097  
Ion Ratio Lower Upper  
146 100  
111 34.8 19.1 57.1  
148 61.6 31.1 93.5

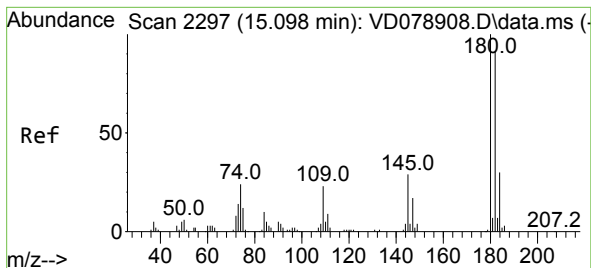


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 19.608 ug/l  
RT: 14.451 min Scan# 2187  
Delta R.T. 0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41



Tgt Ion: 75 Resp: 2606  
Ion Ratio Lower Upper  
75 100  
155 105.0 47.7 143.1  
157 140.6 63.4 190.2





#93

1,2,4-Trichlorobenzene

Concen: 19.588 ug/l

RT: 15.098 min Scan# 21

Delta R.T. 0.000 min

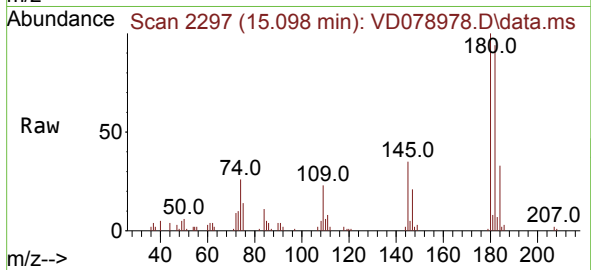
Lab File: VD078978.D

Acq: 22 May 2024 14:41

Instrument :

MSVOA\_D

ClientSampleId :



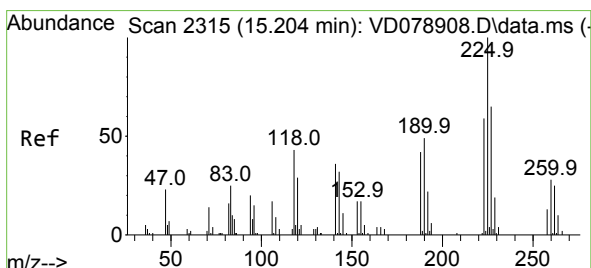
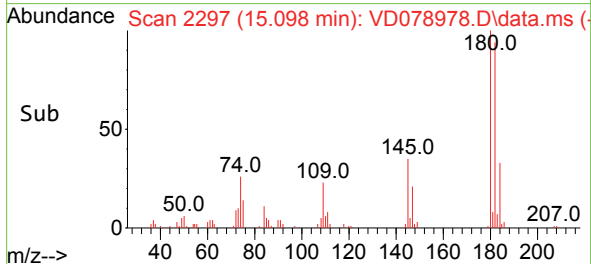
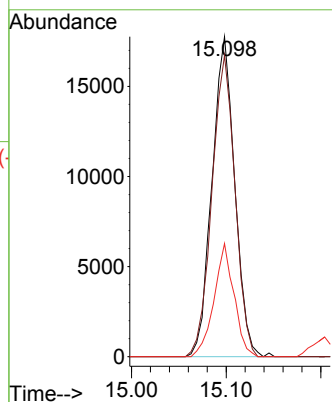
Tgt Ion:180 Resp: 29636

Ion Ratio Lower Upper

180 100

182 95.4 46.9 140.7

145 31.1 14.0 41.9



#94

Hexachlorobutadiene

Concen: 20.754 ug/l

RT: 15.198 min Scan# 2314

Delta R.T. -0.006 min

Lab File: VD078978.D

Acq: 22 May 2024 14:41

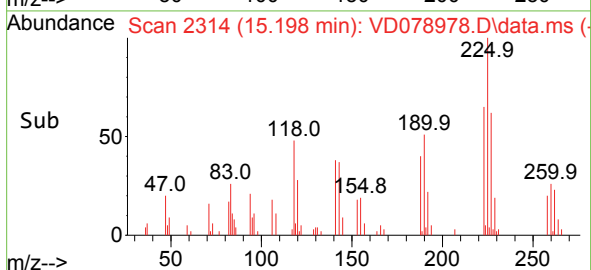
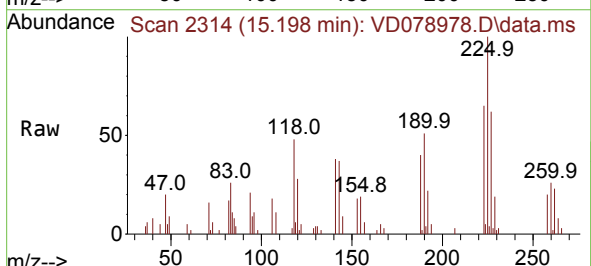
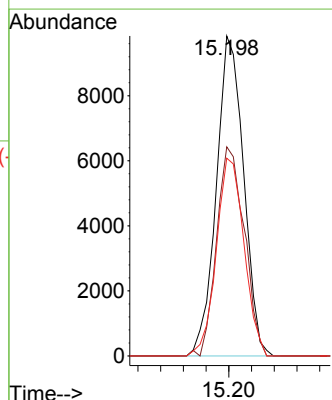
Tgt Ion:225 Resp: 16410

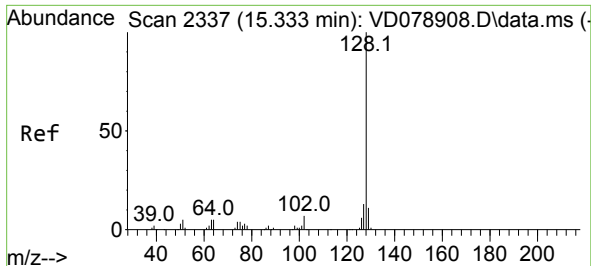
Ion Ratio Lower Upper

225 100

223 66.2 33.3 99.9

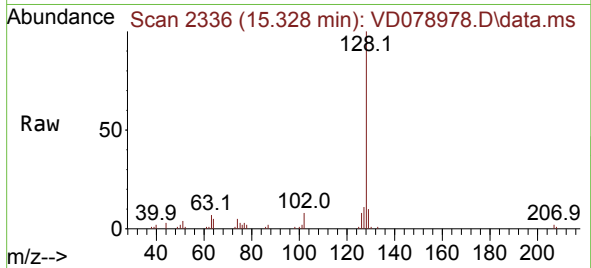
227 62.6 33.6 100.6



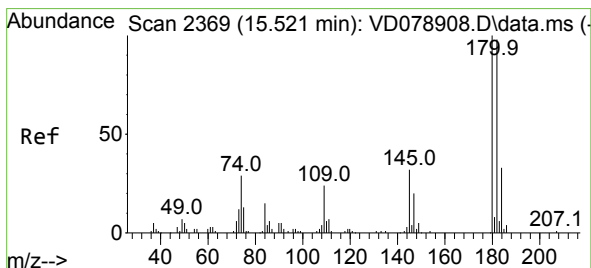
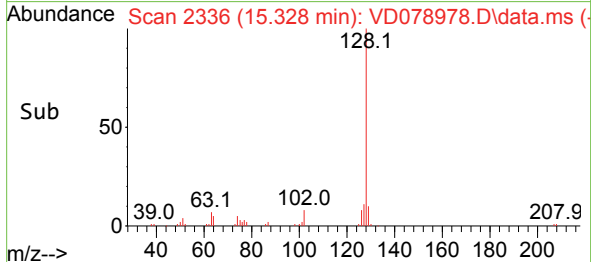
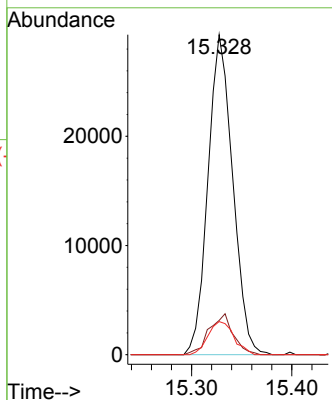


#95  
Naphthalene  
Concen: 19.470 ug/l  
RT: 15.328 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

Instrument :  
MSVOA\_D  
ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 10.7  | 10.2  | 15.4  |
| 129     | 10.3  | 8.5   | 12.7  |



#96  
1,2,3-Trichlorobenzene  
Concen: 19.299 ug/l  
RT: 15.516 min Scan# 2368  
Delta R.T. -0.006 min  
Lab File: VD078978.D  
Acq: 22 May 2024 14:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.1  | 47.8  | 143.3 |
| 145     | 30.4  | 16.1  | 48.2  |

