

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031124\  
 Data File : VD078627.D  
 Acq On : 11 Mar 2024 12:36  
 Operator : RP/MD  
 Sample : VD0311SBSD01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0311SBSD01

Quant Time: Mar 12 01:37:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D030124S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 02 03:50:17 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.875  | 168   | 126060   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775  | 114   | 219925   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 211819   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516 | 152   | 108873   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.228  | 65    | 70485    | 56.405   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 112.820% |          |
| 35) Dibromofluoromethane     | 7.804  | 113   | 78492    | 54.867   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 109.740% |          |
| 50) Toluene-d8               | 10.269 | 98    | 294869   | 53.043   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | = 106.080% |          |
| 62) 4-Bromofluorobenzene     | 12.569 | 95    | 85403    | 53.789   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | = 107.580% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934  | 85    | 21708    | 19.499   | ug/l       | 99       |
| 3) Chloromethane             | 2.152  | 50    | 40412    | 19.910   | ug/l       | 99       |
| 4) Vinyl Chloride            | 2.281  | 62    | 59680    | 19.260   | ug/l       | 98       |
| 5) Bromomethane              | 2.681  | 94    | 49417    | 19.968   | ug/l       | 99       |
| 6) Chloroethane              | 2.828  | 64    | 49468    | 21.540   | ug/l       | 96       |
| 7) Trichlorofluoromethane    | 3.169  | 101   | 40909    | 19.525   | ug/l       | 97       |
| 8) Diethyl Ether             | 3.593  | 74    | 12482    | 21.216   | ug/l       | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 3.969  | 101   | 26652    | 20.183   | ug/l       | 97       |
| 10) Methyl Iodide            | 4.163  | 142   | 25822    | 18.687   | ug/l #     | 89       |
| 11) Tert butyl alcohol       | 5.069  | 59    | 7203     | 120.462  | ug/l #     | 88       |
| 12) 1,1-Dichloroethene       | 3.940  | 96    | 24016    | 19.481   | ug/l       | 91       |
| 13) Acrolein                 | 3.805  | 56    | 11173    | 90.156   | ug/l       | 95       |
| 14) Allyl chloride           | 4.563  | 41    | 28690    | 20.433   | ug/l       | 94       |
| 15) Acrylonitrile            | 5.263  | 53    | 26882    | 110.828  | ug/l       | 97       |
| 16) Acetone                  | 4.022  | 43    | 25570    | 106.807  | ug/l #     | 76       |
| 17) Carbon Disulfide         | 4.275  | 76    | 69802    | 16.995   | ug/l       | 100      |
| 18) Methyl Acetate           | 4.563  | 43    | 11061    | 24.409   | ug/l       | 93       |
| 19) Methyl tert-butyl Ether  | 5.316  | 73    | 52206    | 20.828   | ug/l       | 100      |
| 20) Methylene Chloride       | 4.799  | 84    | 37716    | 15.683   | ug/l       | 89       |
| 21) trans-1,2-Dichloroethene | 5.316  | 96    | 29089    | 19.639   | ug/l       | 87       |
| 22) Diisopropyl ether        | 6.216  | 45    | 69180    | 21.975   | ug/l       | 97       |
| 23) Vinyl Acetate            | 6.157  | 43    | 197540   | 105.654  | ug/l       | 95       |
| 24) 1,1-Dichloroethane       | 6.110  | 63    | 48684    | 20.470   | ug/l       | 97       |
| 25) 2-Butanone               | 7.081  | 43    | 33473    | 110.842  | ug/l #     | 82       |
| 26) 2,2-Dichloropropane      | 7.075  | 77    | 40412    | 20.114   | ug/l       | 97       |
| 27) cis-1,2-Dichloroethene   | 7.081  | 96    | 33275    | 20.516   | ug/l       | 100      |
| 28) Bromochloromethane       | 7.434  | 49    | 19855    | 22.347   | ug/l       | 94       |
| 29) Tetrahydrofuran          | 7.440  | 42    | 17957    | 107.030  | ug/l       | 98       |
| 30) Chloroform               | 7.593  | 83    | 55340    | 21.550   | ug/l       | 89       |
| 31) Cyclohexane              | 7.875  | 56    | 34141    | 17.456   | ug/l       | 96       |
| 32) 1,1,1-Trichloroethane    | 7.793  | 97    | 43879    | 19.918   | ug/l       | 100      |
| 36) 1,1-Dichloropropene      | 8.004  | 75    | 35603    | 17.985   | ug/l       | 97       |
| 37) Ethyl Acetate            | 7.169  | 43    | 14725    | 22.956   | ug/l #     | 94       |
| 38) Carbon Tetrachloride     | 7.987  | 117   | 39237    | 18.950   | ug/l       | 94       |
| 39) Methylcyclohexane        | 9.269  | 83    | 40337    | 17.361   | ug/l       | 94       |
| 40) Benzene                  | 8.246  | 78    | 114912   | 19.584   | ug/l       | 100      |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VD0311SBSD01

Quant Time: Mar 12 01:37:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D030124S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 02 03:50:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.393  | 41   | 4381     | 12.743  | ug/l # | 59       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 31981    | 21.484  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 25847    | 21.018  | ug/l   | 93       |
| 44) Trichloroethene           | 9.028  | 130  | 30821    | 19.141  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.298  | 63   | 28651    | 20.326  | ug/l   | 97       |
| 46) Dibromomethane            | 9.393  | 93   | 17347    | 21.348  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.581  | 83   | 41125    | 20.525  | ug/l   | 90       |
| 48) Methyl methacrylate       | 9.381  | 41   | 11083    | 19.895  | ug/l # | 91       |
| 49) 1,4-Dioxane               | 9.398  | 88   | 3592     | 448.566 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 67373    | 106.144 | ug/l   | 95       |
| 52) Toluene                   | 10.334 | 92   | 74254    | 19.722  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 38359    | 20.695  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 44136    | 19.887  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 10.728 | 97   | 23461    | 20.504  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 23751    | 20.710  | ug/l # | 91       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 36719    | 19.803  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 60278    | 130.857 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.922 | 43   | 52063    | 110.585 | ug/l   | 89       |
| 60) Dibromochloromethane      | 11.075 | 129  | 29505    | 21.356  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 22108    | 21.053  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.810 | 164  | 26411    | 19.817  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.604 | 112  | 81515    | 19.542  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 30997    | 19.961  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.681 | 91   | 134356   | 18.589  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.792 | 106  | 110995   | 37.960  | ug/l   | 96       |
| 69) o-Xylene                  | 12.122 | 106  | 49534    | 18.674  | ug/l   | 93       |
| 70) Styrene                   | 12.134 | 104  | 89653    | 19.499  | ug/l   | 100      |
| 71) Bromoform                 | 12.298 | 173  | 18112    | 21.924  | ug/l # | 91       |
| 73) Isopropylbenzene          | 12.422 | 105  | 126599   | 18.344  | ug/l   | 97       |
| 74) N-amyl acetate            | 12.234 | 43   | 23294    | 20.053  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 28273    | 21.385  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 31157    | 37.470  | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 34011    | 20.377  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.763 | 91   | 163537   | 19.372  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 90080    | 19.885  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 109411   | 19.482  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 7690     | 19.795  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 96652    | 20.020  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 93688    | 19.375  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 110831   | 19.308  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 145648   | 19.307  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 121734   | 19.169  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 69871    | 19.592  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 69959    | 19.580  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.786 | 91   | 109865   | 18.512  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.051 | 117  | 25155    | 19.481  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 62304    | 20.567  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 3915     | 22.215  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 35038    | 19.532  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 19296    | 19.550  | ug/l   | 98       |
| 95) Naphthalene               | 15.328 | 128  | 62402    | 19.686  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 31501    | 19.773  | ug/l   | 99       |

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ALS Vial : 5 Sample Multiplier: 1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D030124S.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 02 03:50:17 2024  
Response via : Initial Calibration

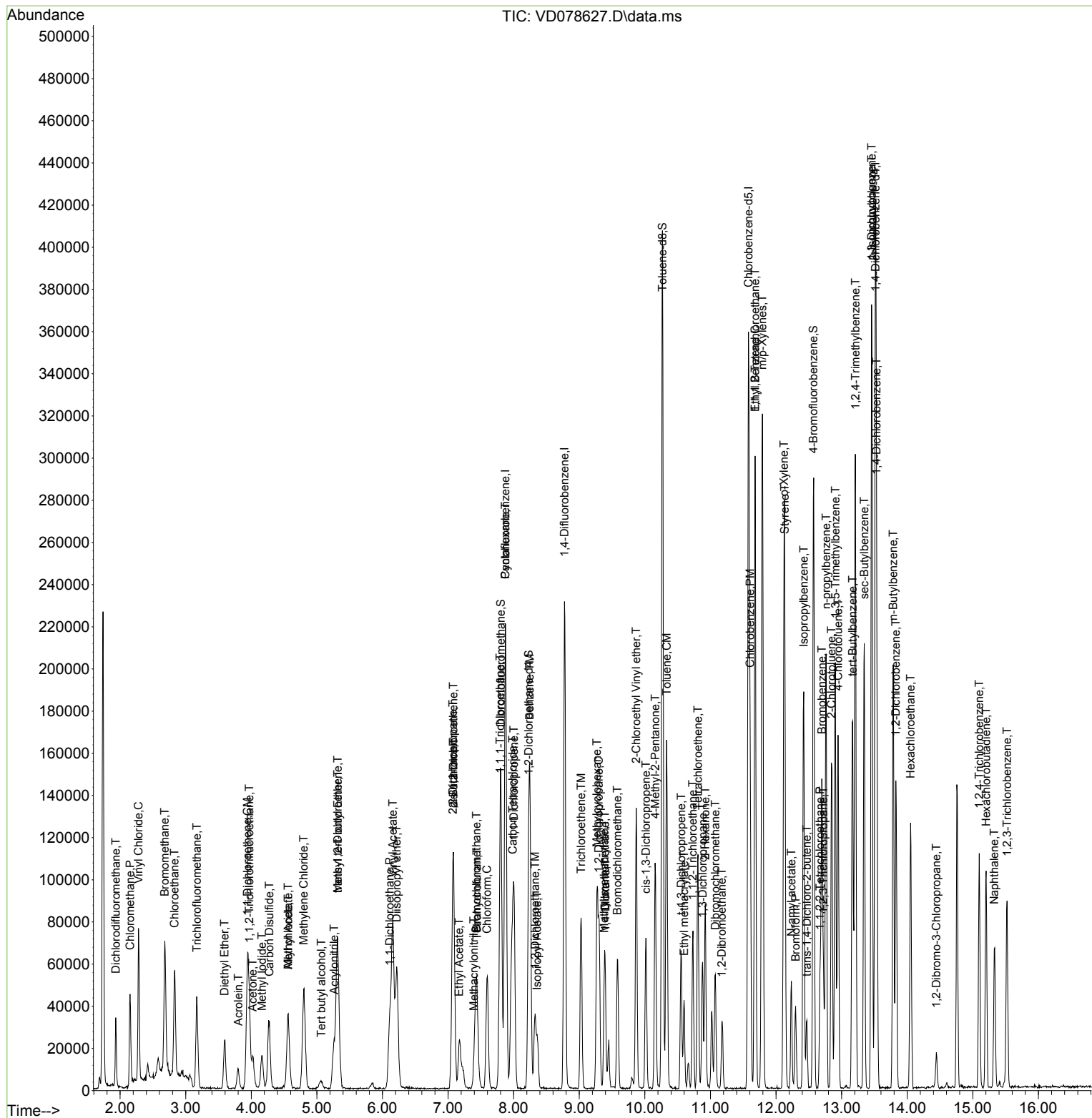
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

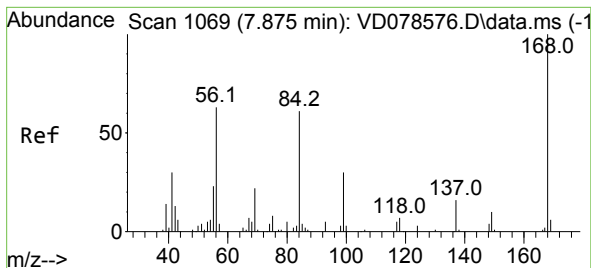
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 Quant Title : SW846 8260  
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

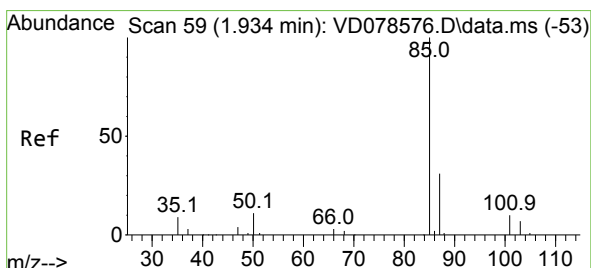
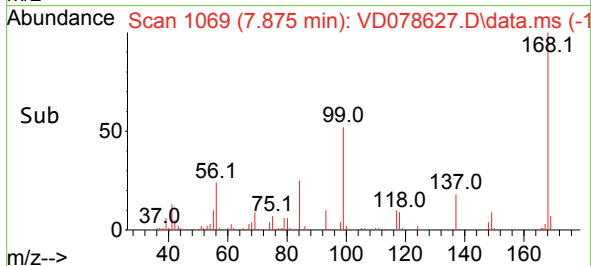
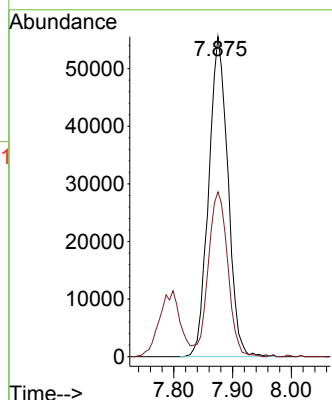
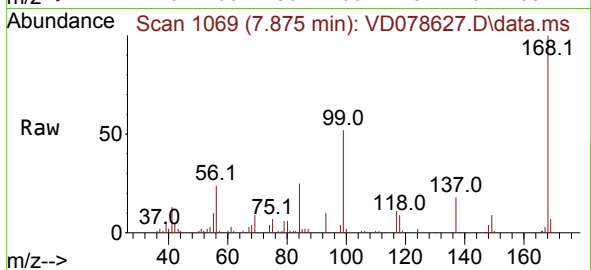
VD0311SBSD01

Tgt Ion:168 Resp: 126060

Ion Ratio Lower Upper

168 100

99 51.5 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 19.499 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD078627.D

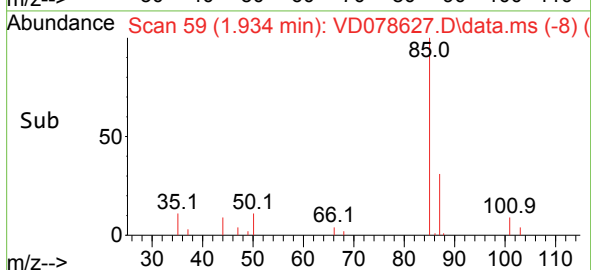
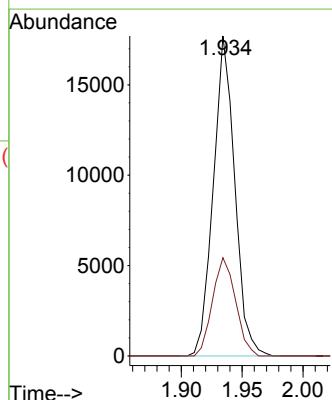
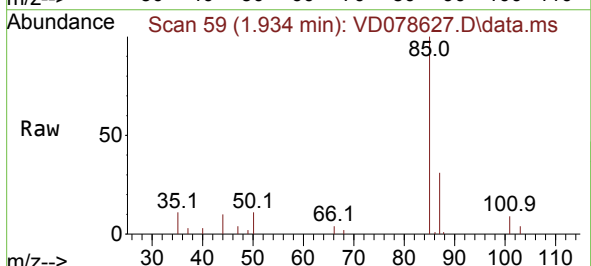
Acq: 11 Mar 2024 12:36

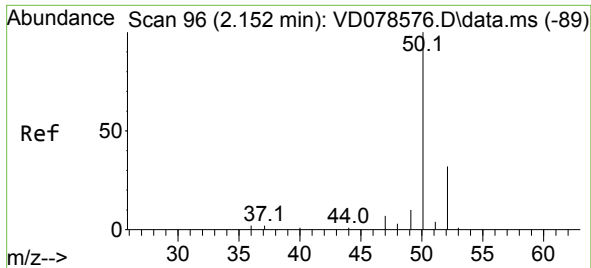
Tgt Ion: 85 Resp: 21708

Ion Ratio Lower Upper

85 100

87 30.7 15.7 47.0

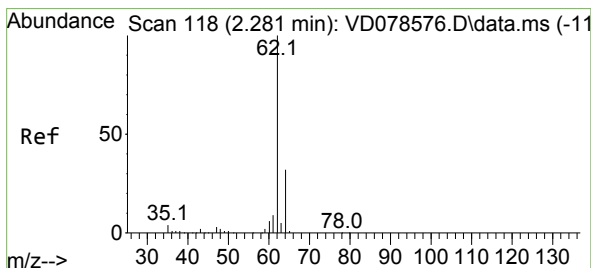
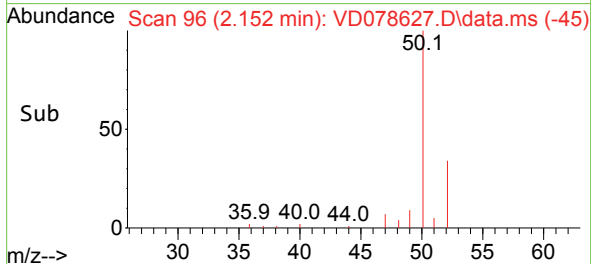
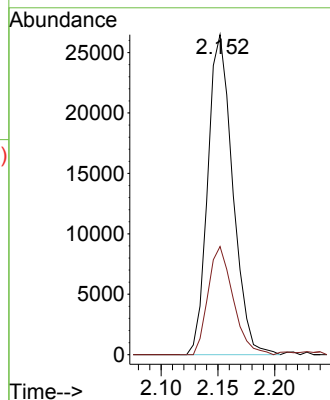
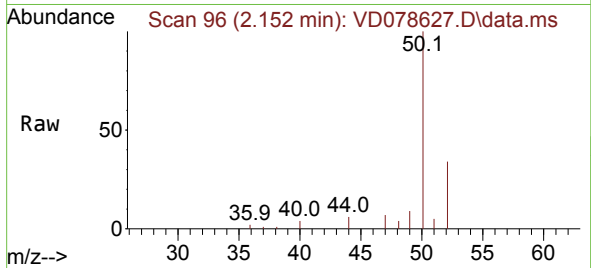




#3  
Chloromethane  
Concen: 19.910 ug/l  
RT: 2.152 min Scan# 96  
Delta R.T. -0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

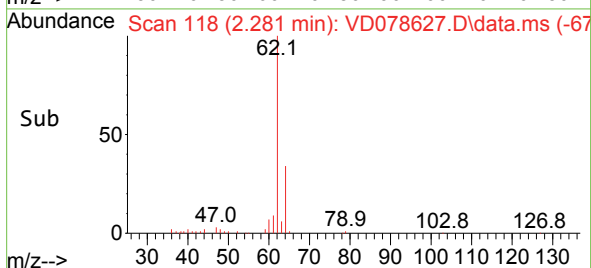
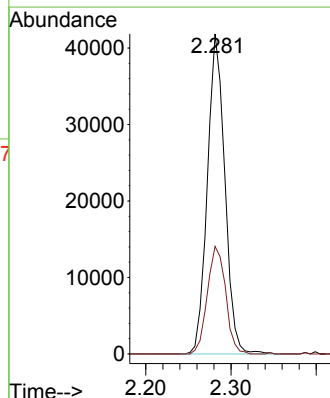
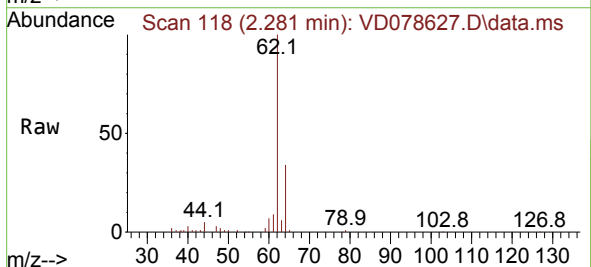
Instrument :  
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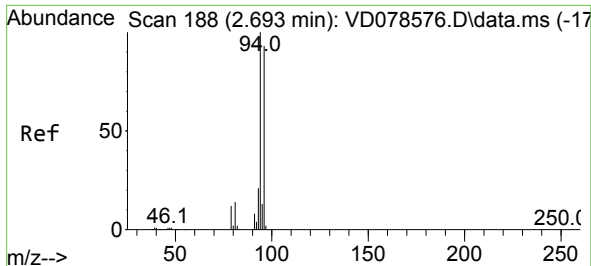
Tgt Ion: 50 Resp: 40412  
Ion Ratio Lower Upper  
50 100  
52 33.8 26.6 40.0



#4  
Vinyl Chloride  
Concen: 19.260 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 62 Resp: 59680  
Ion Ratio Lower Upper  
62 100  
64 33.6 26.0 39.0

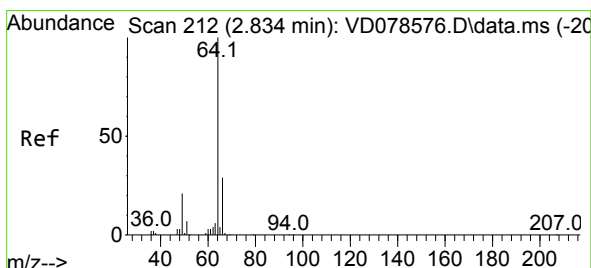
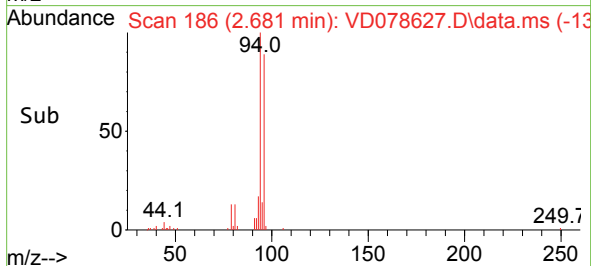
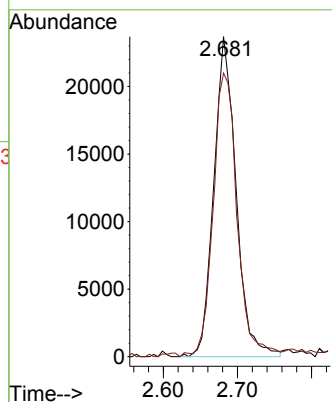
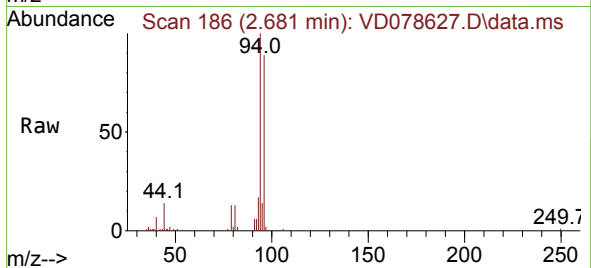




#5  
Bromomethane  
Concen: 19.968 ug/l  
RT: 2.681 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

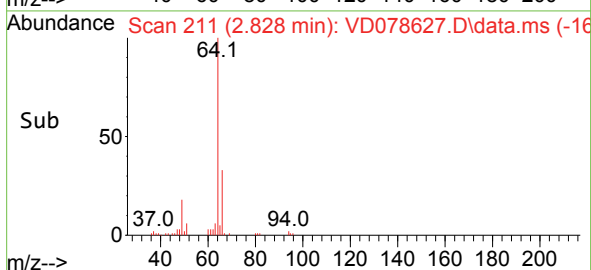
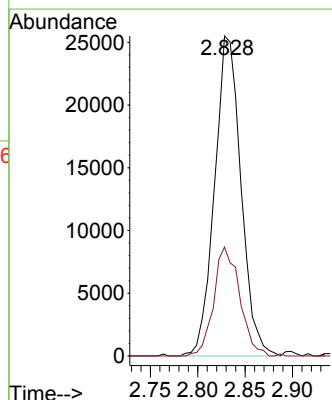
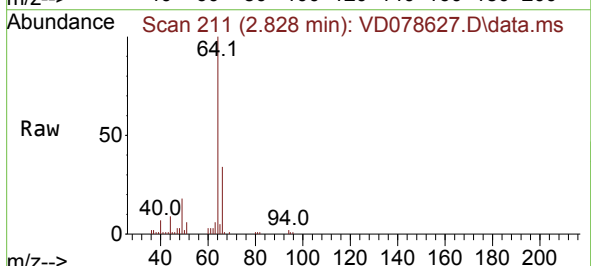
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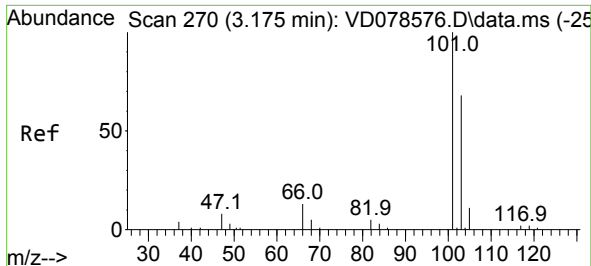
Tgt Ion: 94 Resp: 49417  
Ion Ratio Lower Upper  
94 100  
96 95.4 75.8 113.8



#6  
Chloroethane  
Concen: 21.540 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 64 Resp: 49468  
Ion Ratio Lower Upper  
64 100  
66 34.0 25.5 38.3

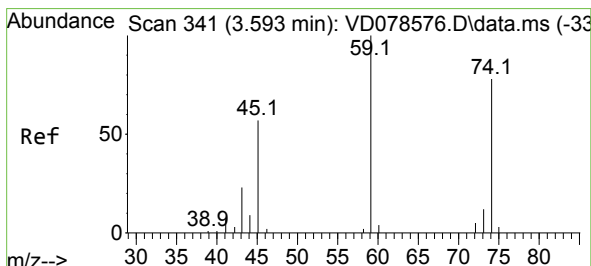
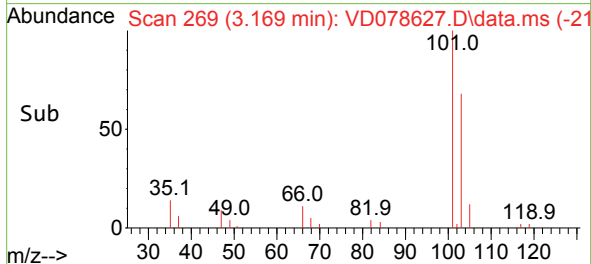
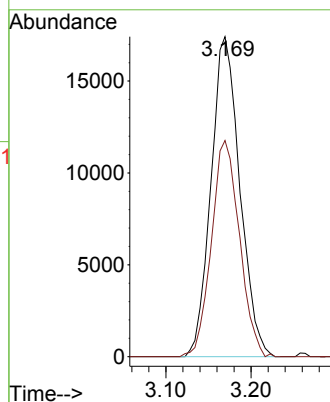
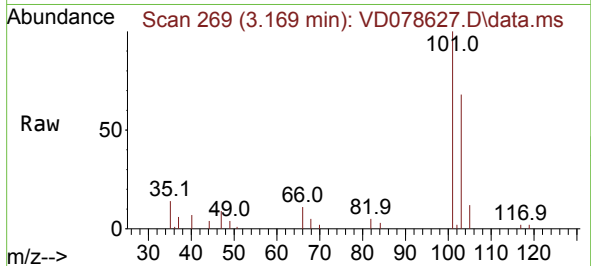




#7  
 Trichlorofluoromethane  
 Concen: 19.525 ug/l  
 RT: 3.169 min Scan# 210  
 Delta R.T. -0.006 min  
 Lab File: VD078627.D  
 Acq: 11 Mar 2024 12:36

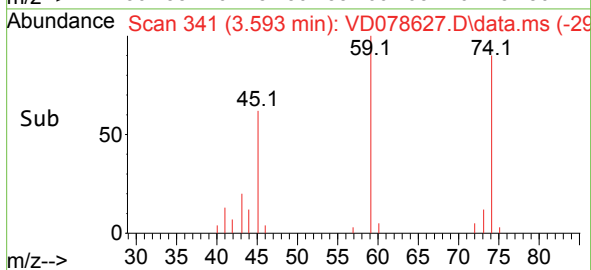
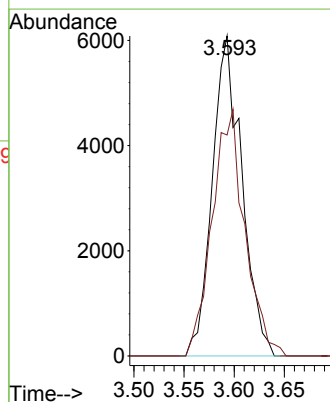
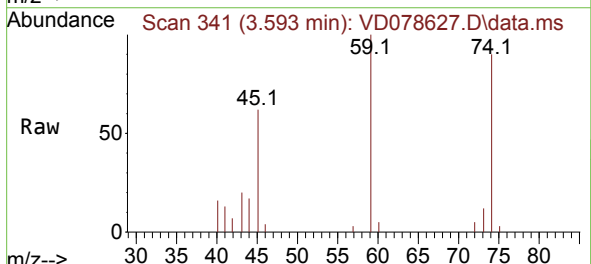
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0311SBSD01

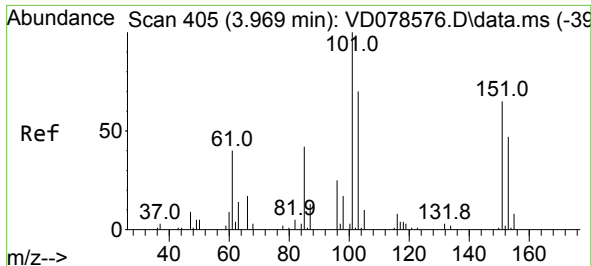
Tgt Ion:101 Resp: 40909  
 Ion Ratio Lower Upper  
 101 100  
 103 67.5 52.3 78.5



#8  
 Diethyl Ether  
 Concen: 21.216 ug/l  
 RT: 3.593 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VD078627.D  
 Acq: 11 Mar 2024 12:36

Tgt Ion: 74 Resp: 12482  
 Ion Ratio Lower Upper  
 74 100  
 45 85.1 37.5 112.7

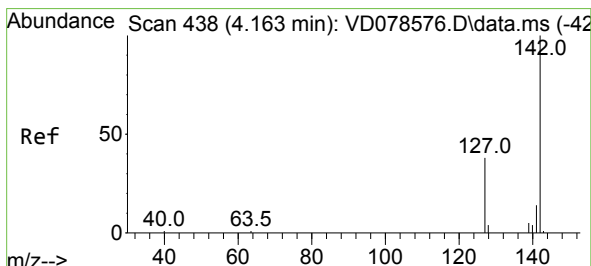
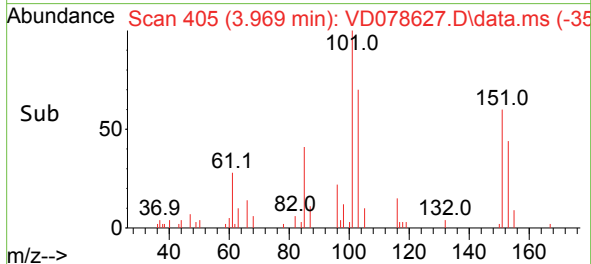
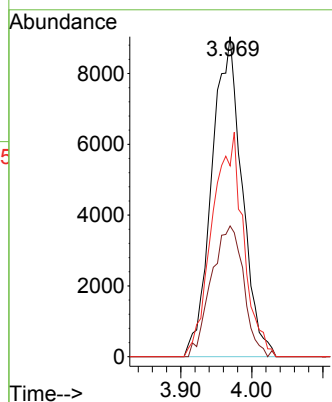
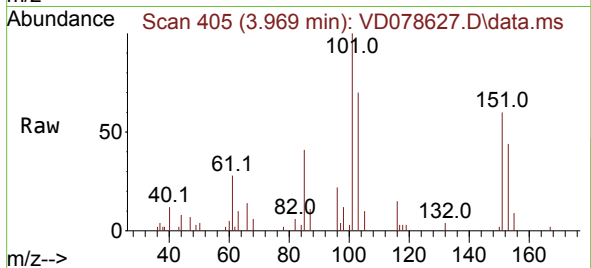




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.183 ug/l  
RT: 3.969 min Scan# 405  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

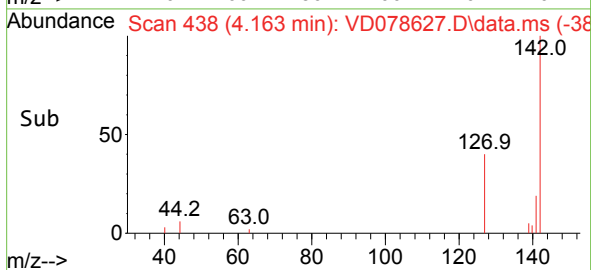
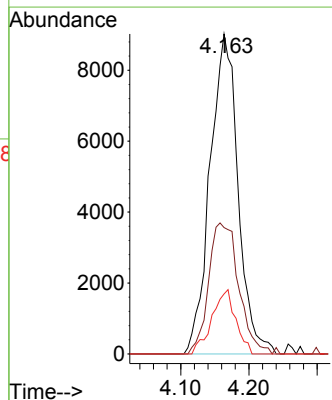
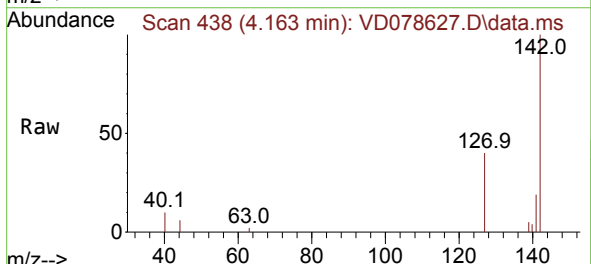
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

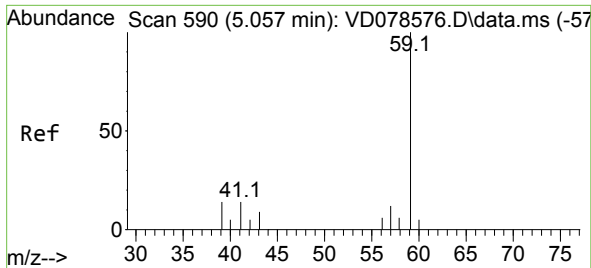
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 26652 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 43.9  | 33.8  | 50.6  |
| 151      | 72.6  | 59.8  | 89.6  |



#10  
Methyl Iodide  
Concen: 18.687 ug/l  
RT: 4.163 min Scan# 438  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 25822 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 44.1  | 29.4  | 44.0# |
| 141      | 17.1  | 11.1  | 16.7# |

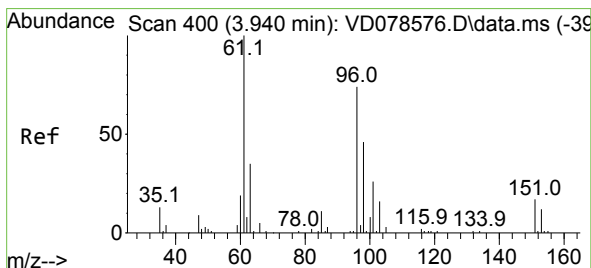
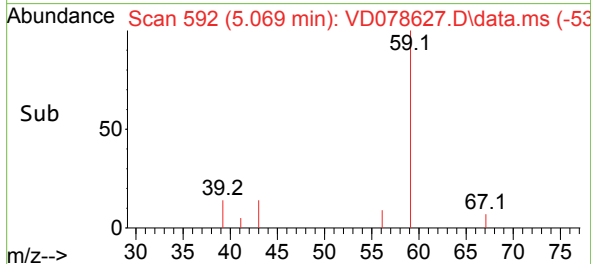
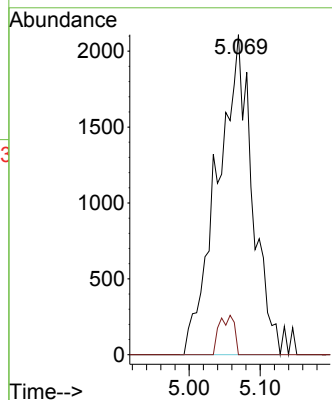
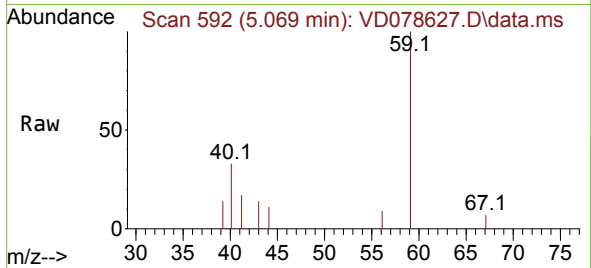




#11  
Tert butyl alcohol  
Concen: 120.462 ug/l  
RT: 5.069 min Scan# 591  
Delta R.T. 0.012 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

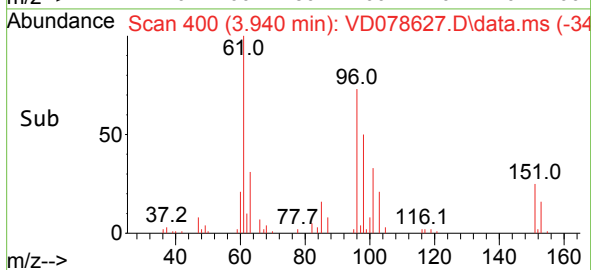
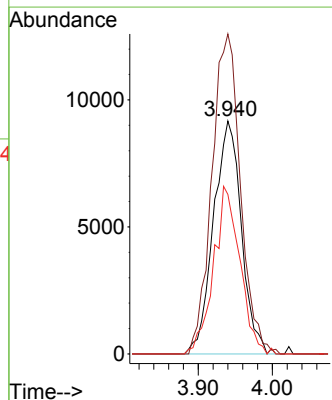
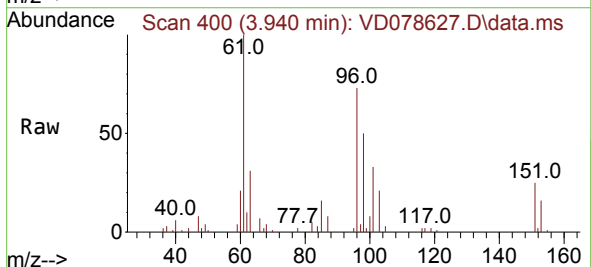
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

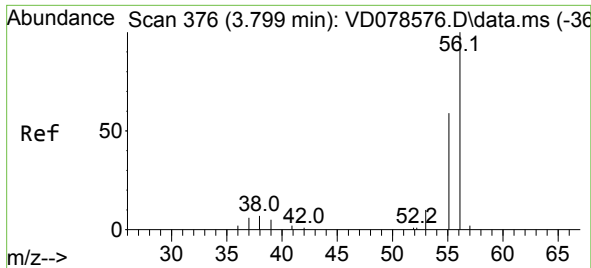
Tgt Ion: 59 Resp: 7203  
Ion Ratio Lower Upper  
59 100  
57 5.3 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 19.481 ug/l  
RT: 3.940 min Scan# 400  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 96 Resp: 24016  
Ion Ratio Lower Upper  
96 100  
61 137.4 100.6 150.8  
98 68.5 50.2 75.2





#13

Acrolein

Concen: 90.156 ug/l

RT: 3.805 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

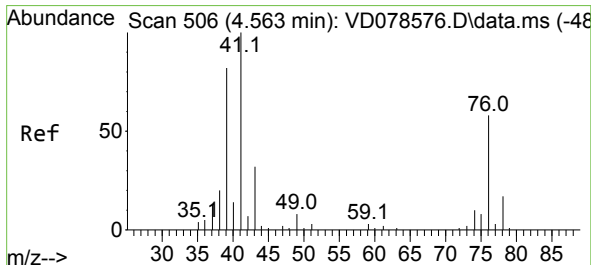
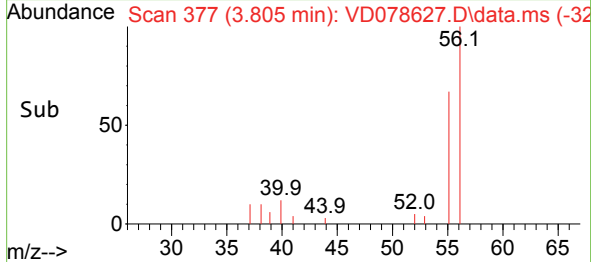
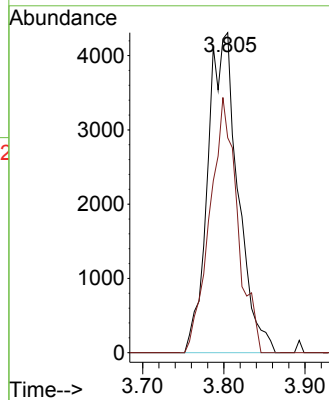
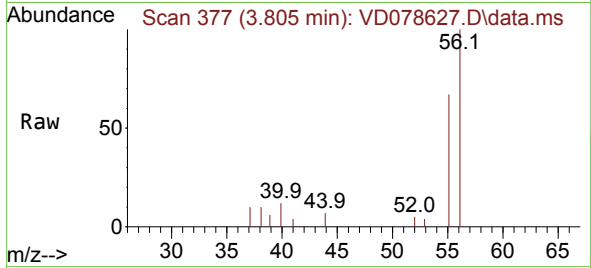
VD0311SBSD01

Tgt Ion: 56 Resp: 11173

Ion Ratio Lower Upper

56 100

55 72.7 55.1 82.7



#14

Allyl chloride

Concen: 20.433 ug/l

RT: 4.563 min Scan# 506

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

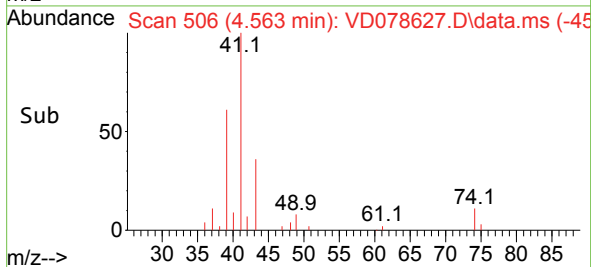
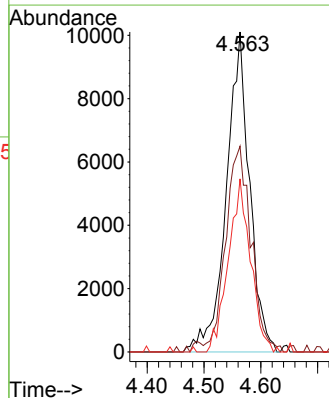
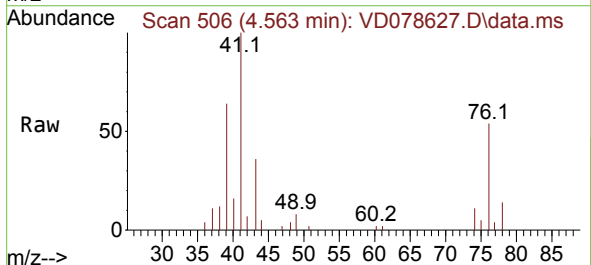
Tgt Ion: 41 Resp: 28690

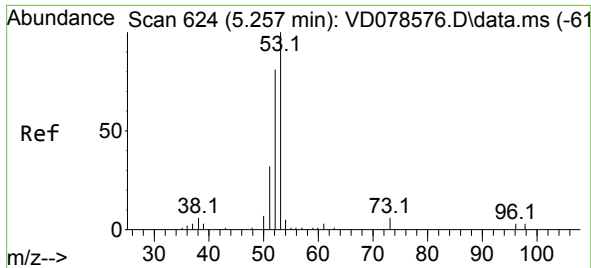
Ion Ratio Lower Upper

41 100

39 70.5 53.8 80.6

76 51.8 45.8 68.8

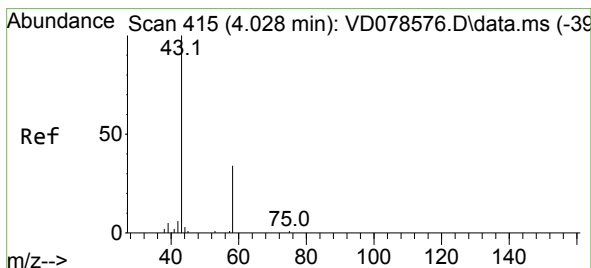
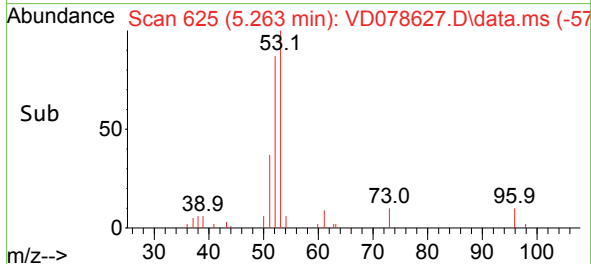
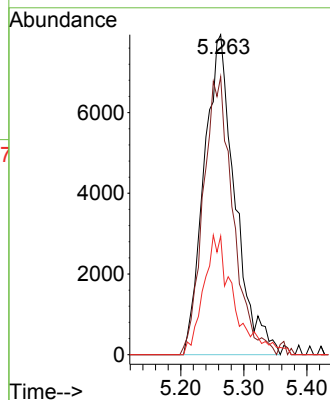
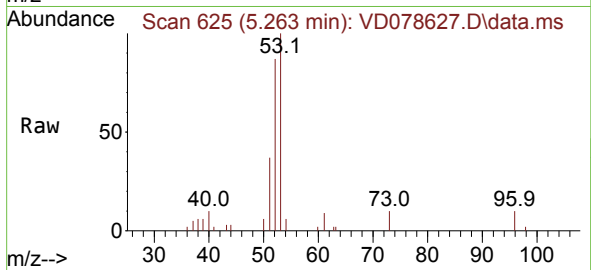




#15  
Acrylonitrile  
Concen: 110.828 ug/l  
RT: 5.263 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

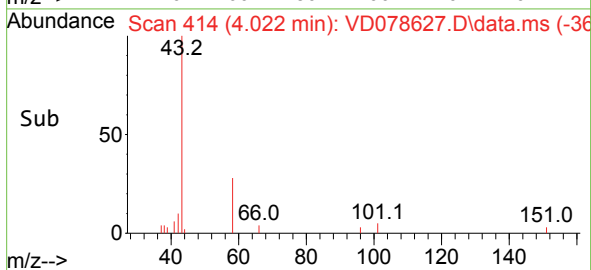
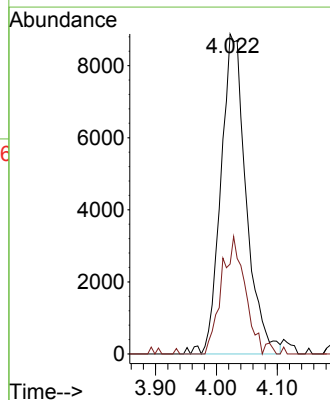
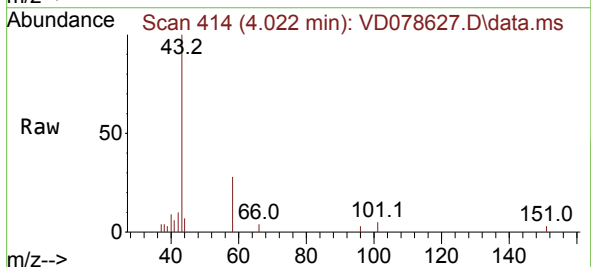
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

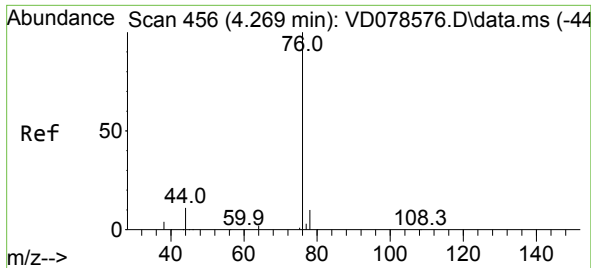
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 26882 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.8  | 65.0  | 97.4  |
| 51       | 37.0  | 28.3  | 42.5  |



#16  
Acetone  
Concen: 106.807 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 25570 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.1  | 34.7  | 52.1# |

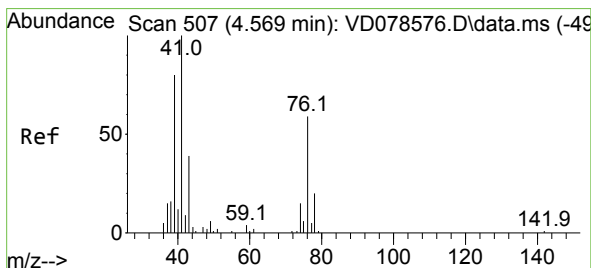
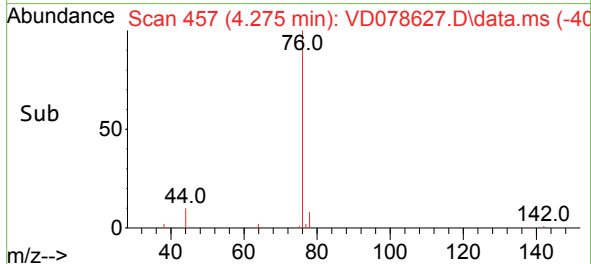
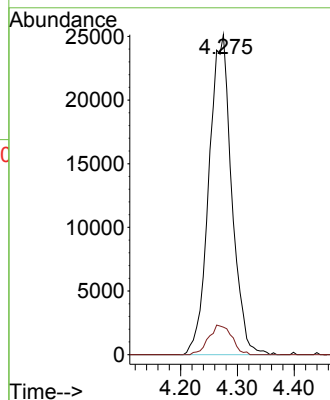
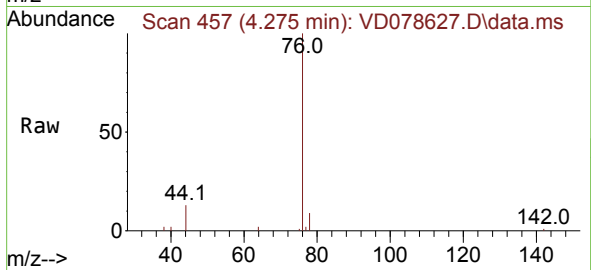




#17  
Carbon Disulfide  
Concen: 16.995 ug/l  
RT: 4.275 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

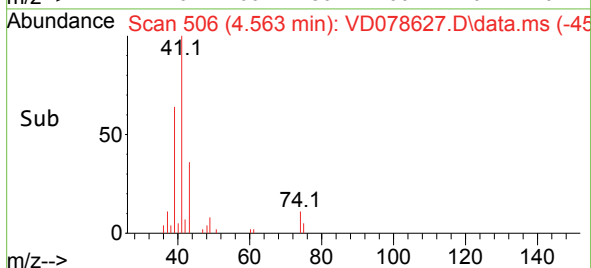
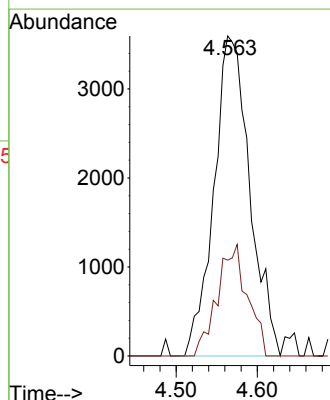
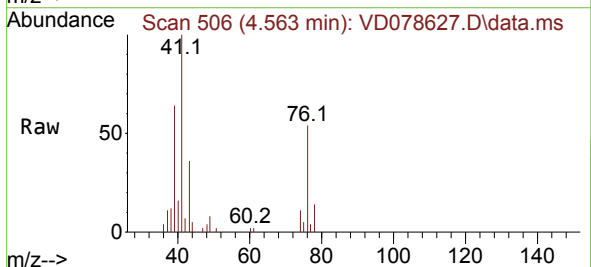
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

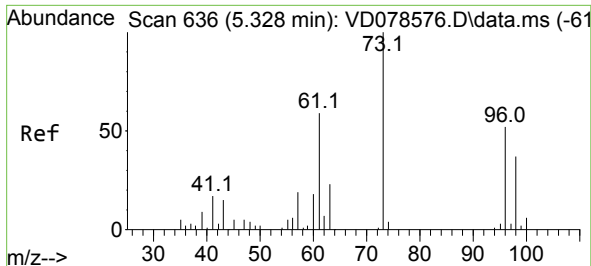
Tgt Ion: 76 Resp: 69802  
Ion Ratio Lower Upper  
76 100  
78 8.6 6.8 10.2



#18  
Methyl Acetate  
Concen: 24.409 ug/l  
RT: 4.563 min Scan# 506  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 43 Resp: 11061  
Ion Ratio Lower Upper  
43 100  
74 29.3 26.4 39.6





#19

Methyl tert-butyl Ether

Concen: 20.828 ug/l

RT: 5.316 min Scan# 61

Delta R.T. -0.012 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

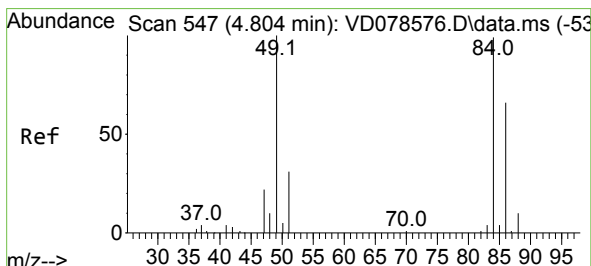
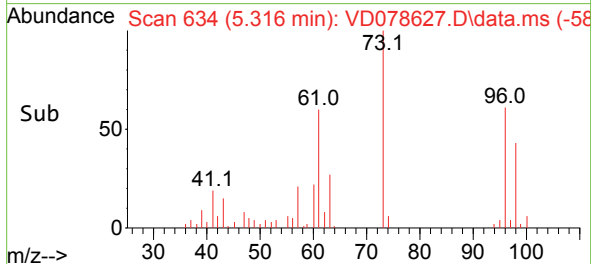
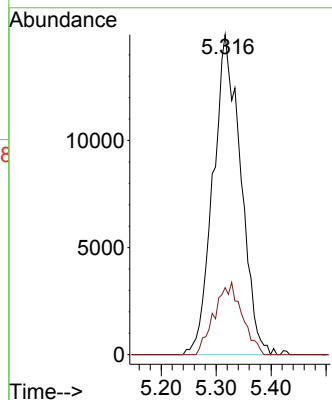
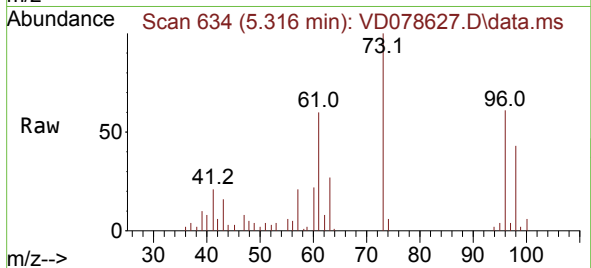
VD0311SBSD01

Tgt Ion: 73 Resp: 52206

Ion Ratio Lower Upper

73 100

57 21.0 16.6 25.0



#20

Methylene Chloride

Concen: 15.683 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.005 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Tgt Ion: 84 Resp: 37716

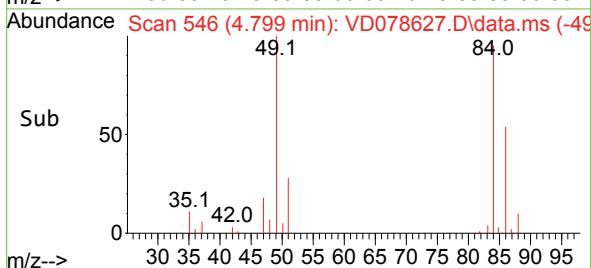
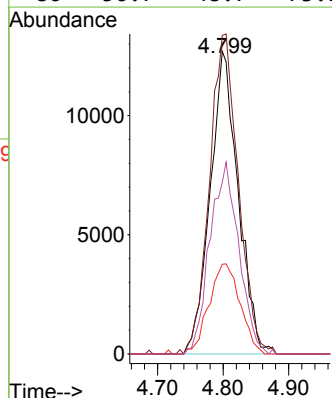
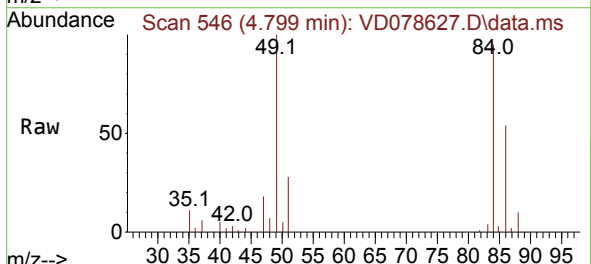
Ion Ratio Lower Upper

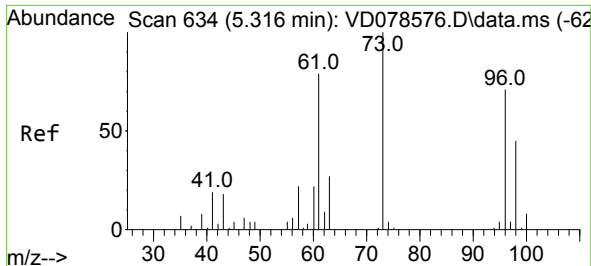
84 100

49 105.3 71.4 107.2

51 29.7 24.5 36.7

86 56.7 48.7 73.1

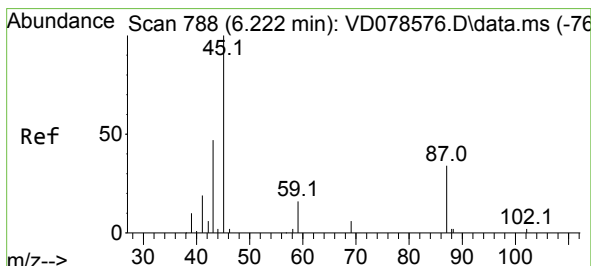
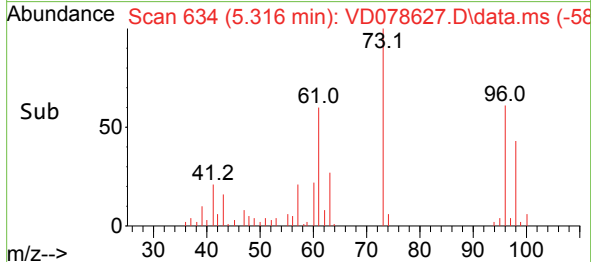
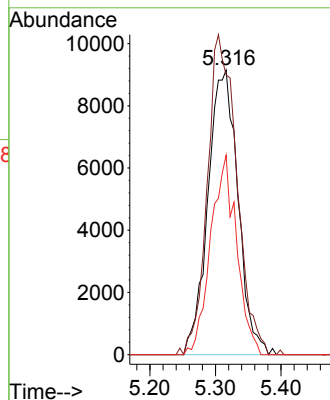
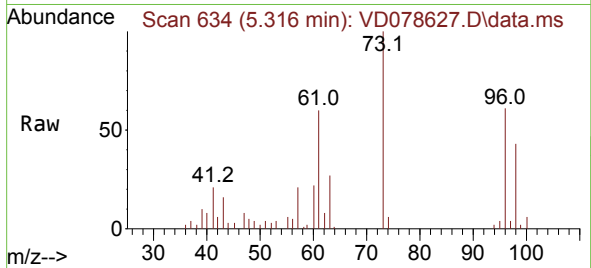




#21  
trans-1,2-Dichloroethene  
Concen: 19.639 ug/l  
RT: 5.316 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

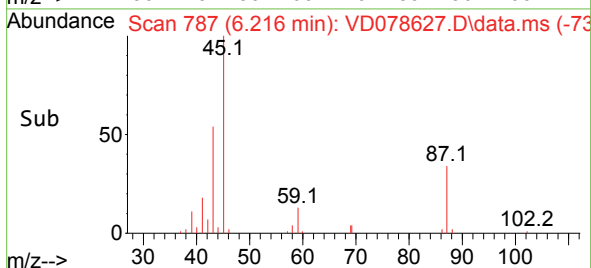
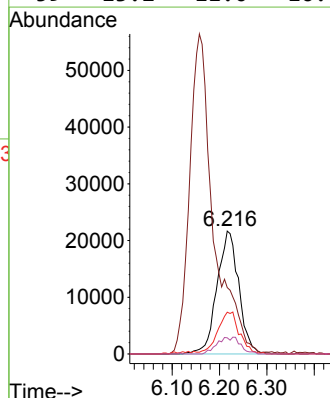
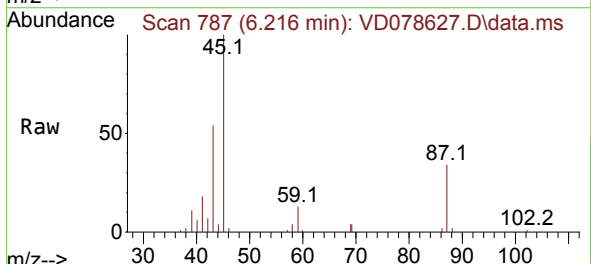
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

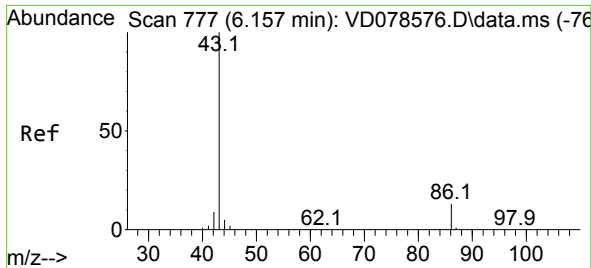
Tgt Ion: 96 Resp: 29089  
Ion Ratio Lower Upper  
96 100  
61 96.6 89.3 133.9  
98 70.1 48.6 73.0



#22  
Diisopropyl ether  
Concen: 21.975 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 45 Resp: 69180  
Ion Ratio Lower Upper  
45 100  
43 53.2 40.0 60.0  
87 34.0 28.2 42.4  
59 13.2 11.0 16.4

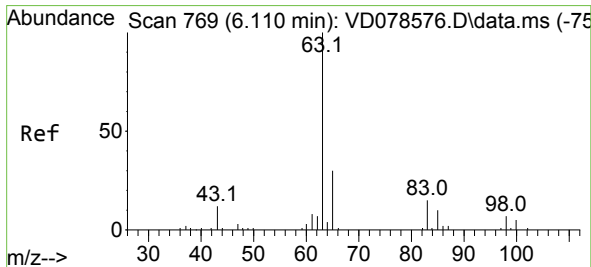
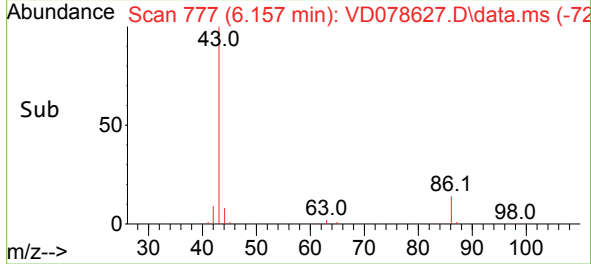
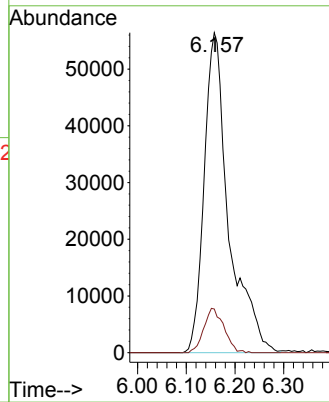
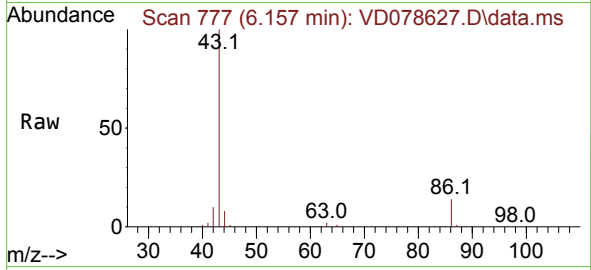




#23  
 Vinyl Acetate  
 Concen: 105.654 ug/l  
 RT: 6.157 min Scan# 777  
 Delta R.T. 0.000 min  
 Lab File: VD078627.D  
 Acq: 11 Mar 2024 12:36

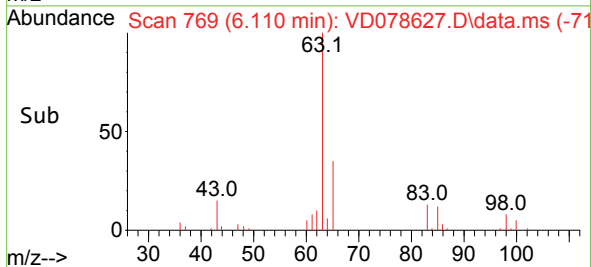
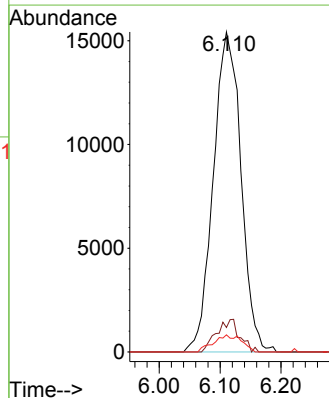
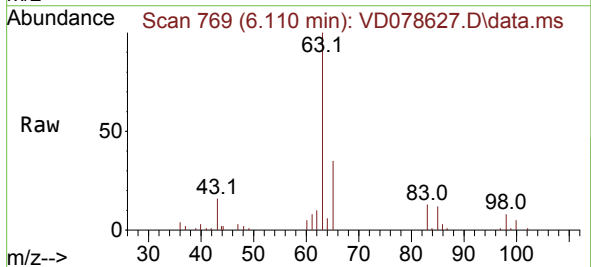
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0311SBSD01

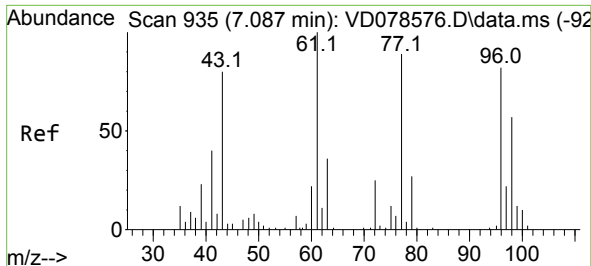
Tgt Ion: 43 Resp: 197540  
 Ion Ratio Lower Upper  
 43 100  
 86 13.7 12.5 18.7



#24  
 1,1-Dichloroethane  
 Concen: 20.470 ug/l  
 RT: 6.110 min Scan# 769  
 Delta R.T. 0.000 min  
 Lab File: VD078627.D  
 Acq: 11 Mar 2024 12:36

Tgt Ion: 63 Resp: 48684  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 4.5 13.7  
 100 5.4 2.5 7.5

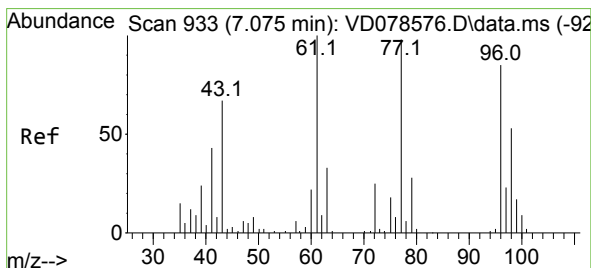
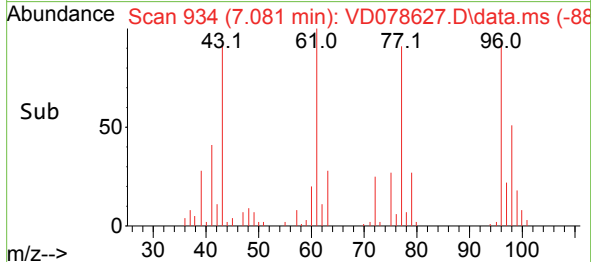
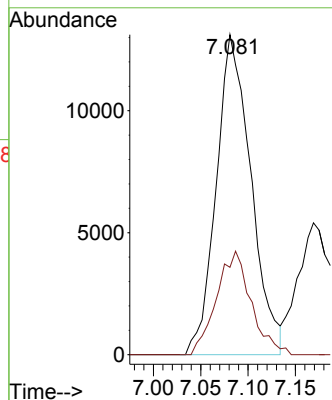
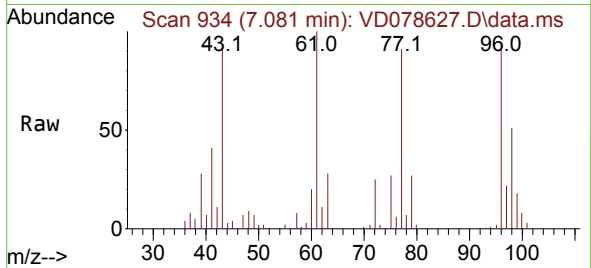




#25  
2-Butanone  
Concen: 110.842 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

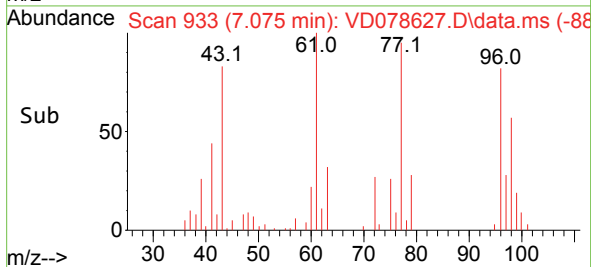
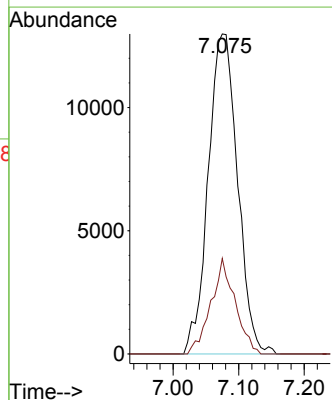
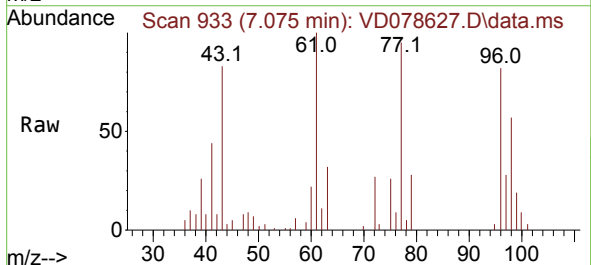
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

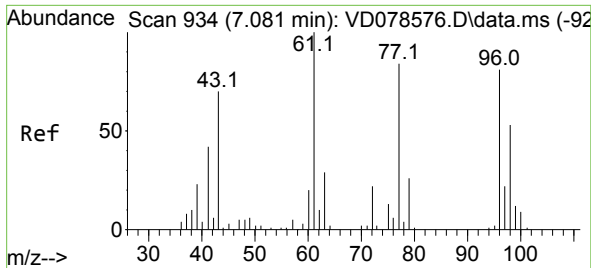
Tgt Ion: 43 Resp: 33473  
Ion Ratio Lower Upper  
43 100  
72 27.3 30.7 46.1#



#26  
2,2-Dichloropropane  
Concen: 20.114 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 77 Resp: 40412  
Ion Ratio Lower Upper  
77 100  
97 24.6 13.2 39.6

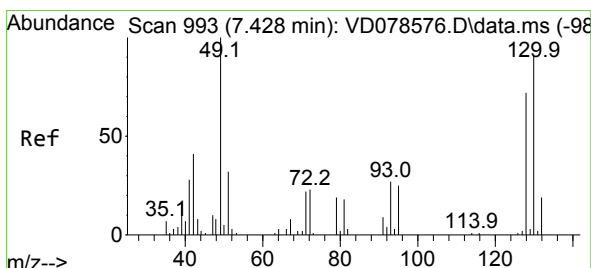
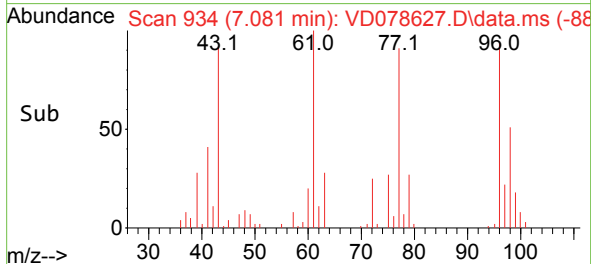
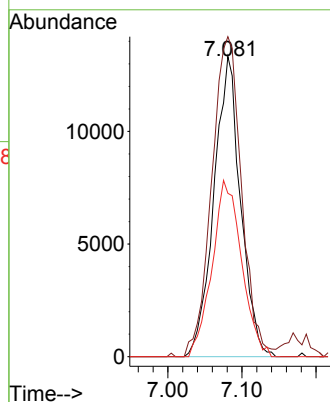
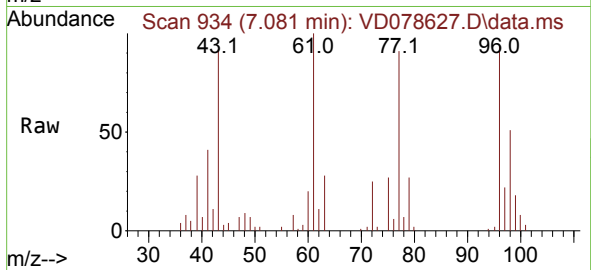




#27  
cis-1,2-Dichloroethene  
Concen: 20.516 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

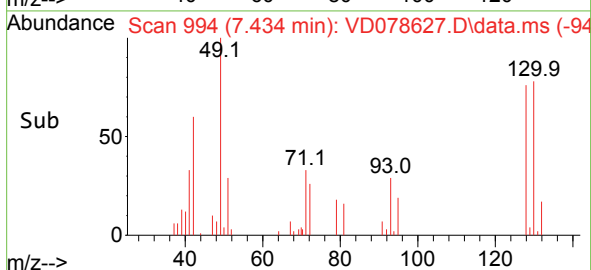
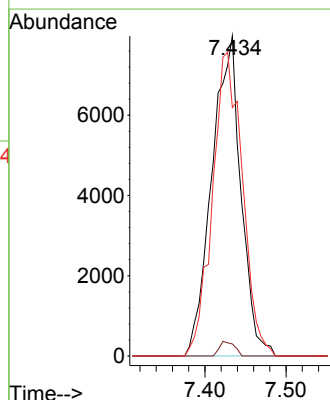
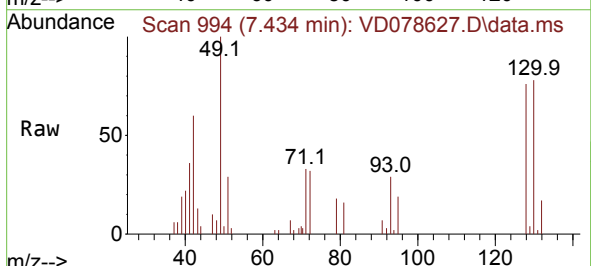
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

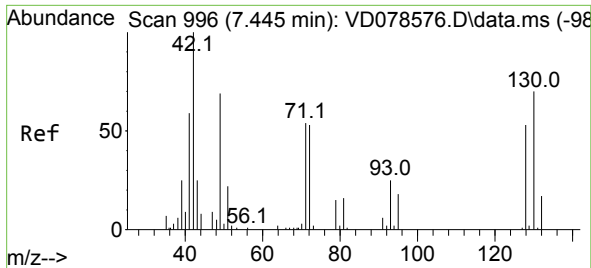
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 33275 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 119.4    | 0.0 239.2   |
| 98 65.0     | 0.0 128.6   |



#28  
Bromochloromethane  
Concen: 22.347 ug/l  
RT: 7.434 min Scan# 994  
Delta R.T. 0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

|             |             |
|-------------|-------------|
| Tgt Ion: 49 | Resp: 19855 |
| Ion Ratio   | Lower Upper |
| 49 100      |             |
| 129 2.4     | 0.0 6.0     |
| 130 97.8    | 83.2 124.8  |





#29

Tetrahydrofuran

Concen: 107.030 ug/l

RT: 7.440 min Scan# 996

Delta R.T. -0.006 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

VD0311SBSD01

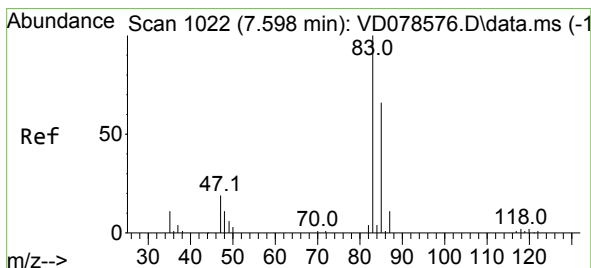
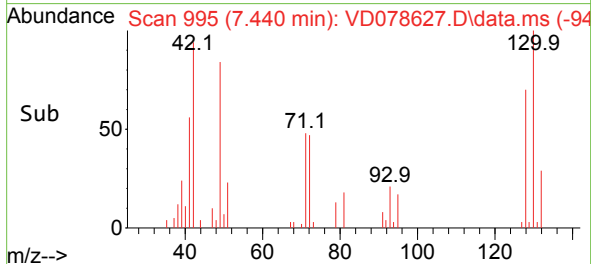
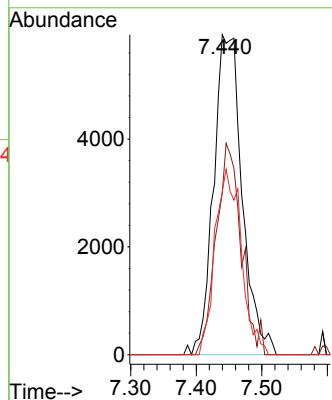
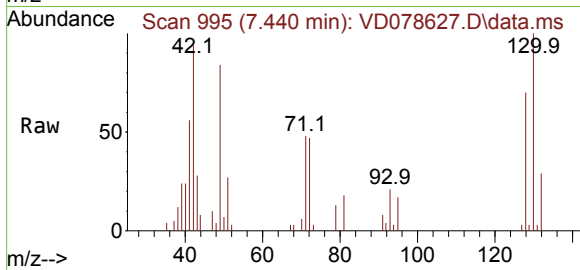
Tgt Ion: 42 Resp: 17957

Ion Ratio Lower Upper

42 100

72 57.8 46.5 69.7

71 53.5 44.5 66.7



#30

Chloroform

Concen: 21.550 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD078627.D

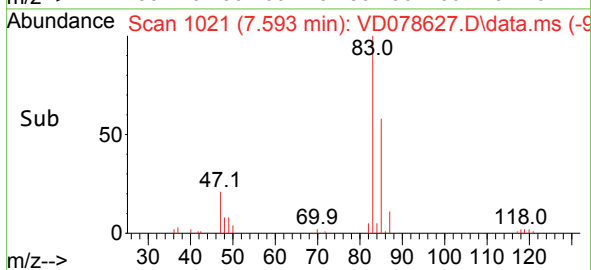
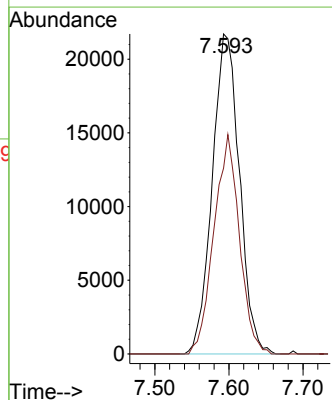
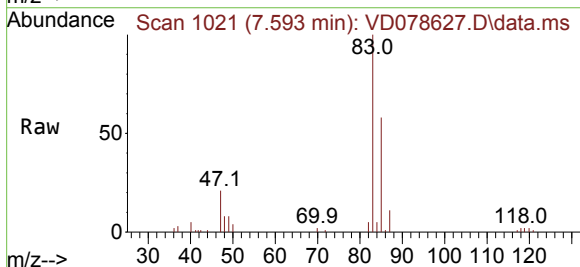
Acq: 11 Mar 2024 12:36

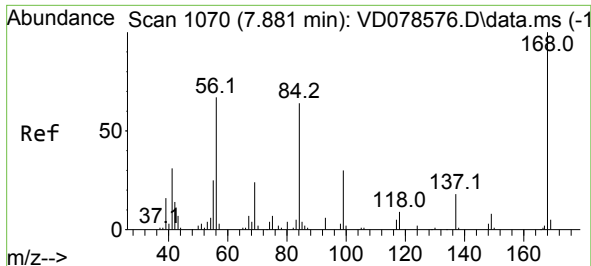
Tgt Ion: 83 Resp: 55340

Ion Ratio Lower Upper

83 100

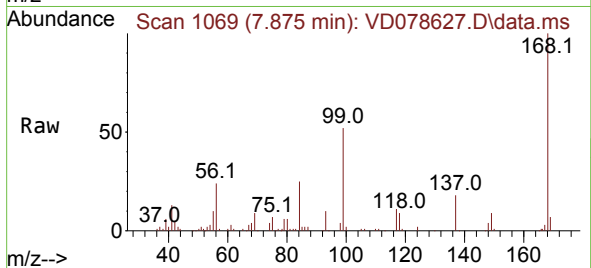
85 58.0 53.4 80.2



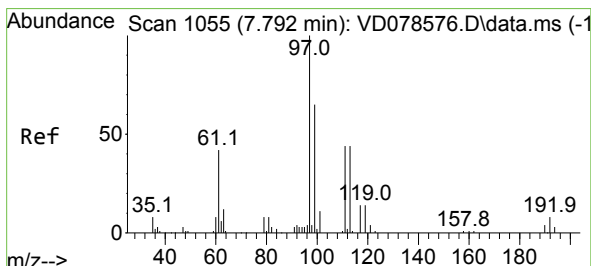
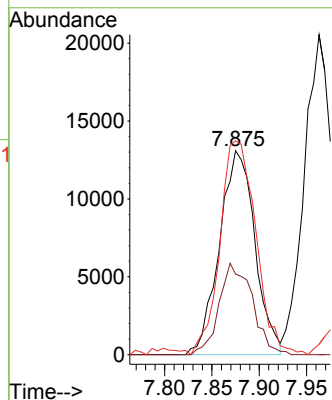
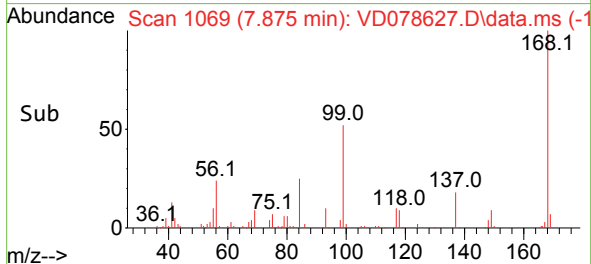


#31  
Cyclohexane  
Concen: 17.456 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

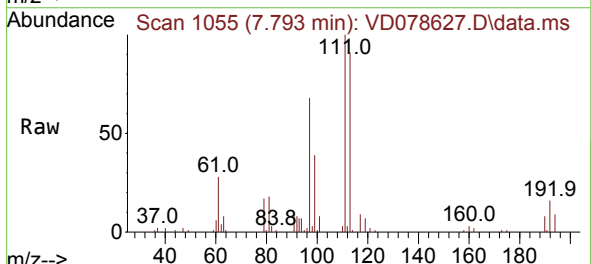
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01



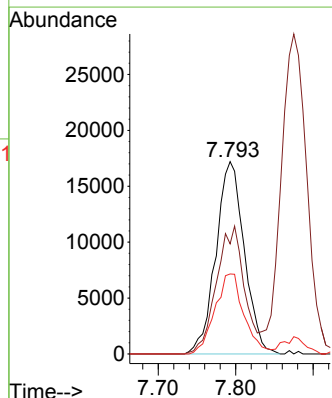
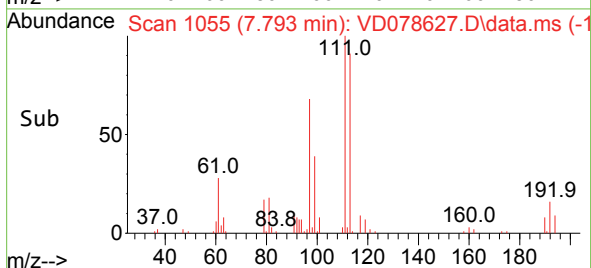
Tgt Ion: 56 Resp: 34141  
Ion Ratio Lower Upper  
56 100  
69 39.5 28.6 43.0  
84 103.1 84.8 127.2

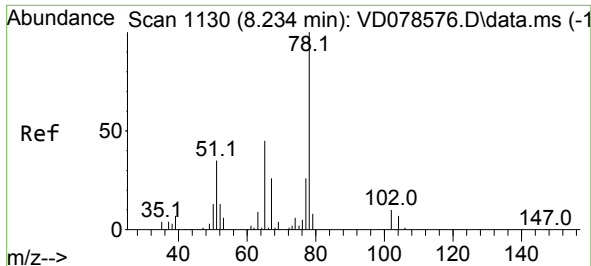


#32  
1,1,1-Trichloroethane  
Concen: 19.918 ug/l  
RT: 7.793 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36



Tgt Ion: 97 Resp: 43879  
Ion Ratio Lower Upper  
97 100  
99 64.7 52.0 78.0  
61 42.5 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 56.405 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

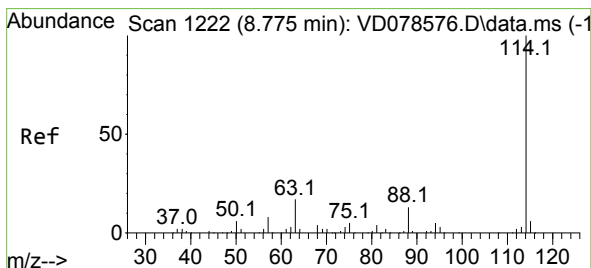
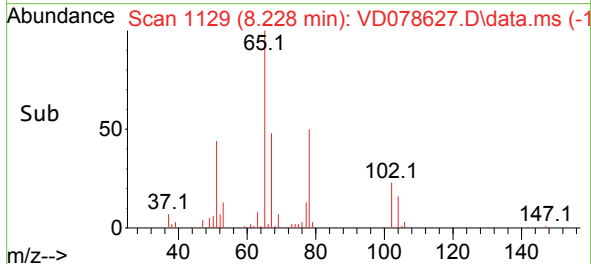
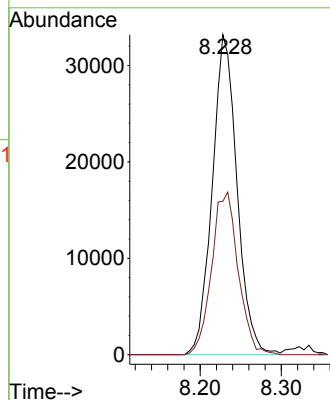
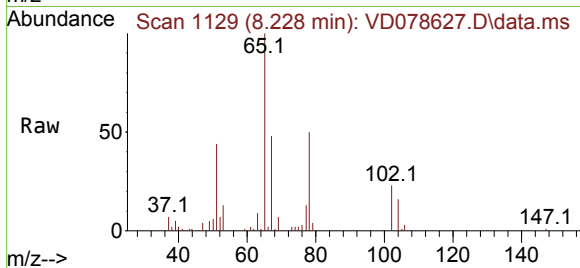
VD0311SBSD01

Tgt Ion: 65 Resp: 70485

Ion Ratio Lower Upper

65 100

67 54.4 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

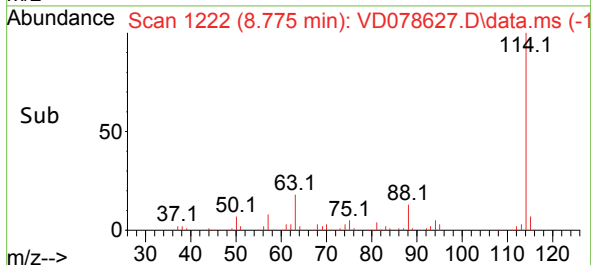
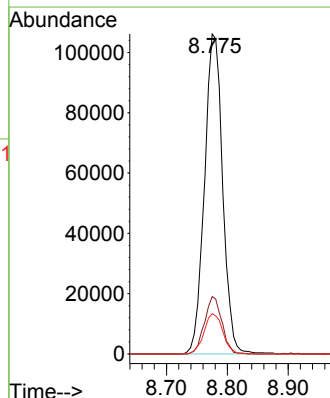
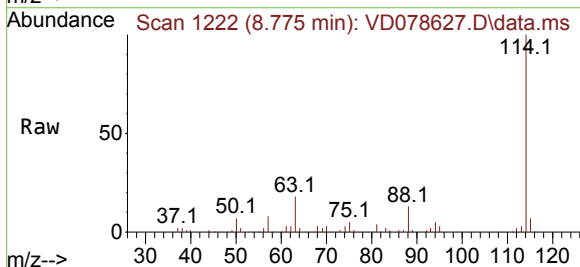
Tgt Ion: 114 Resp: 219925

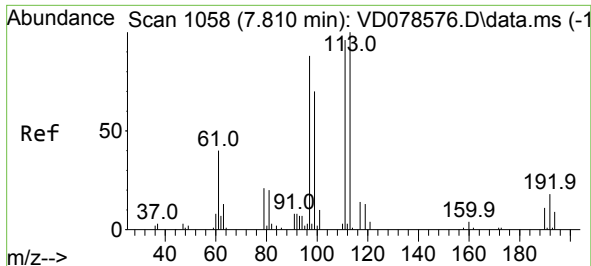
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 12.6 0.0 26.2

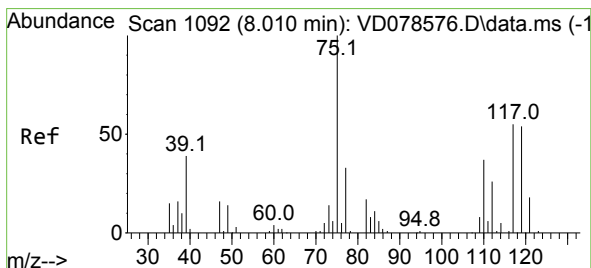
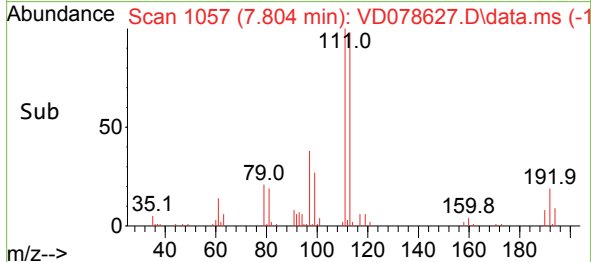
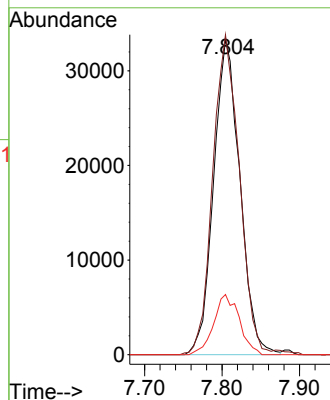
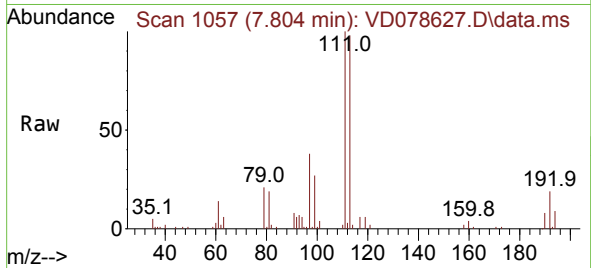




#35  
 Dibromofluoromethane  
 Concen: 54.867 ug/l  
 RT: 7.804 min Scan# 1057  
 Delta R.T. -0.006 min  
 Lab File: VD078627.D  
 Acq: 11 Mar 2024 12:36

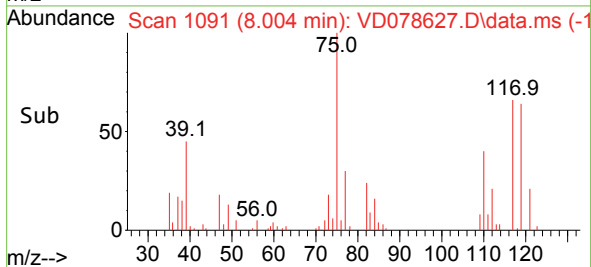
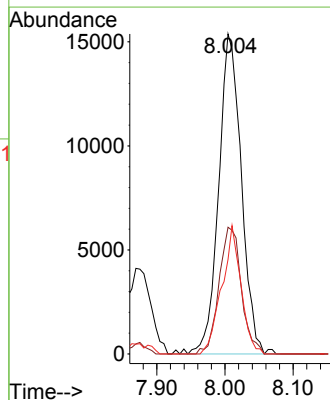
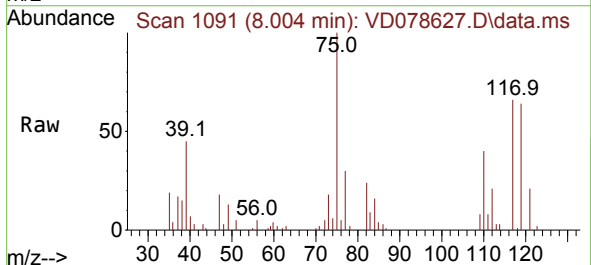
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0311SBS01

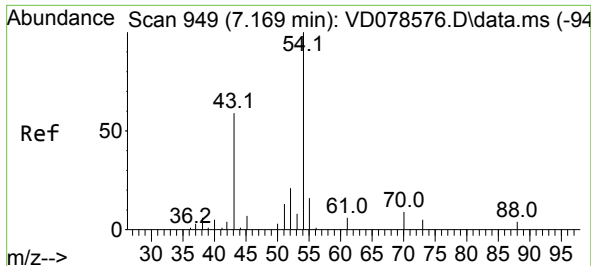
Tgt Ion:113 Resp: 78492  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 84.7 127.1  
 192 18.6 16.8 25.2



#36  
 1,1-Dichloropropene  
 Concen: 17.985 ug/l  
 RT: 8.004 min Scan# 1091  
 Delta R.T. -0.006 min  
 Lab File: VD078627.D  
 Acq: 11 Mar 2024 12:36

Tgt Ion: 75 Resp: 35603  
 Ion Ratio Lower Upper  
 75 100  
 110 39.0 19.9 59.6  
 77 34.0 24.7 37.1

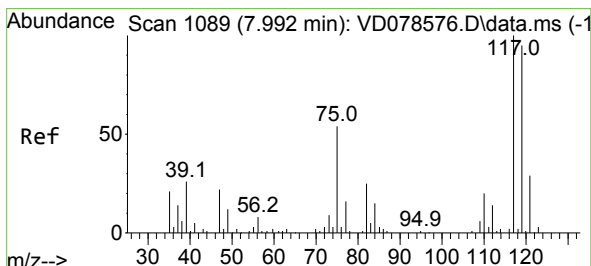
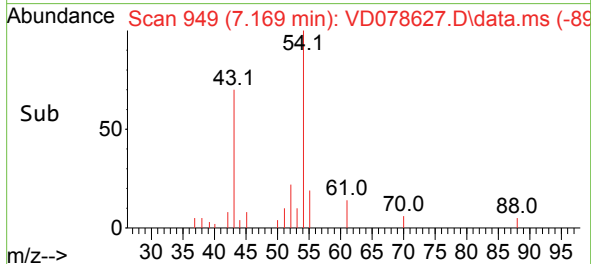
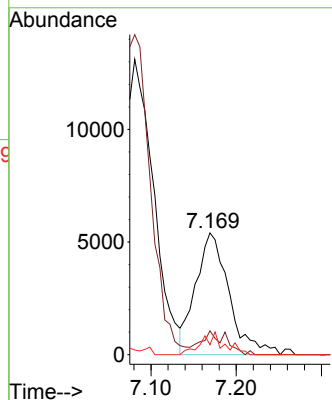
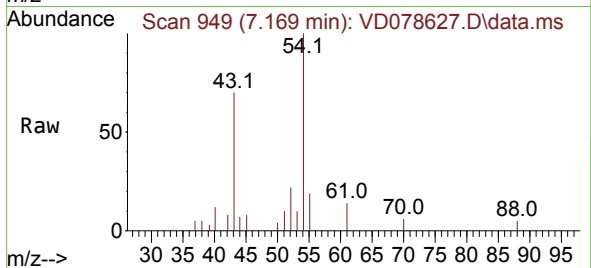




#37  
Ethyl Acetate  
Concen: 22.956 ug/l  
RT: 7.169 min Scan# 949  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

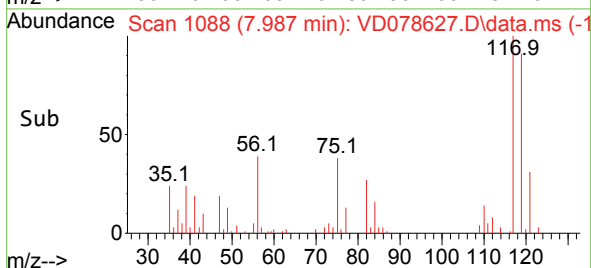
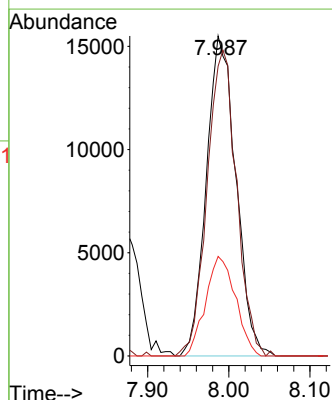
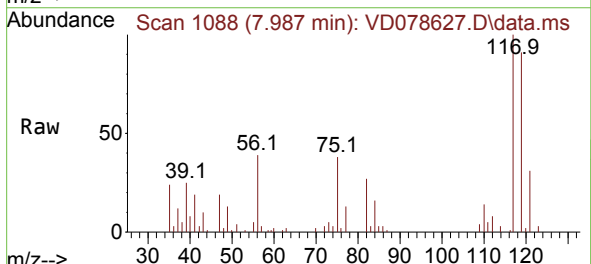
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

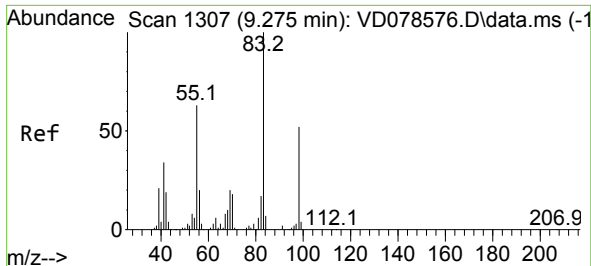
Tgt Ion: 43 Resp: 14725  
Ion Ratio Lower Upper  
43 100  
61 14.5 14.9 22.3#  
70 12.5 10.0 15.0



#38  
Carbon Tetrachloride  
Concen: 18.950 ug/l  
RT: 7.987 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 117 Resp: 39237  
Ion Ratio Lower Upper  
117 100  
119 90.6 78.0 117.0  
121 31.1 24.2 36.2





#39

Methylcyclohexane

Concen: 17.361 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. -0.006 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

VD0311SBSD01

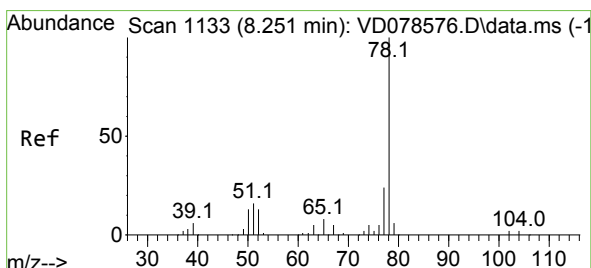
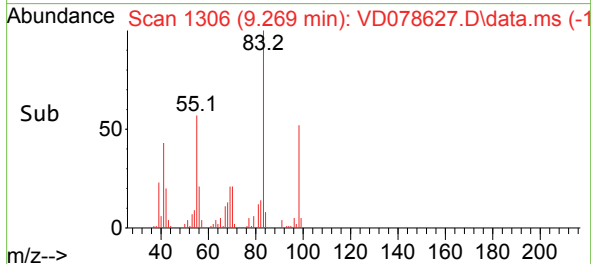
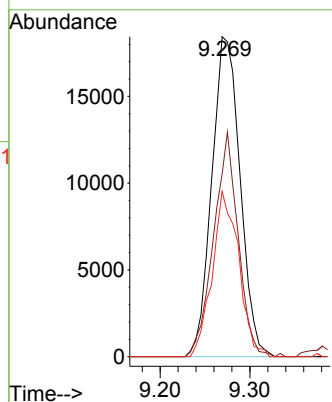
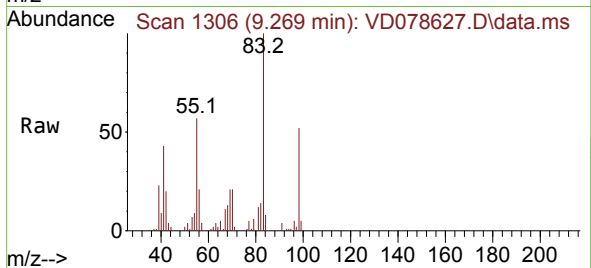
Tgt Ion: 83 Resp: 40337

Ion Ratio Lower Upper

83 100

55 57.1 49.4 74.0

98 51.7 38.4 57.6



#40

Benzene

Concen: 19.584 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VD078627.D

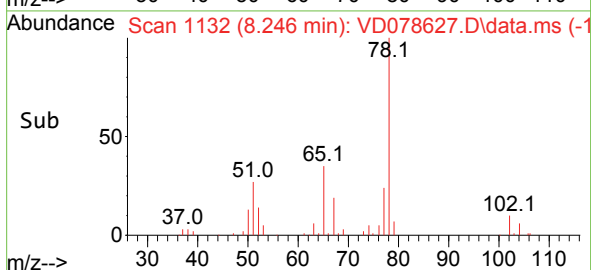
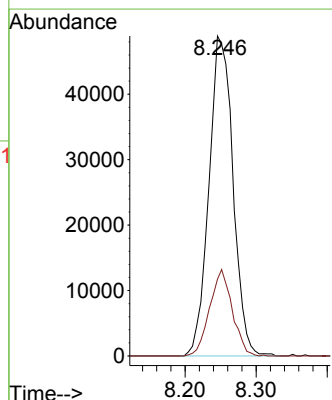
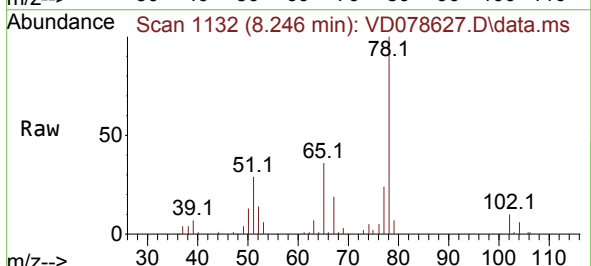
Acq: 11 Mar 2024 12:36

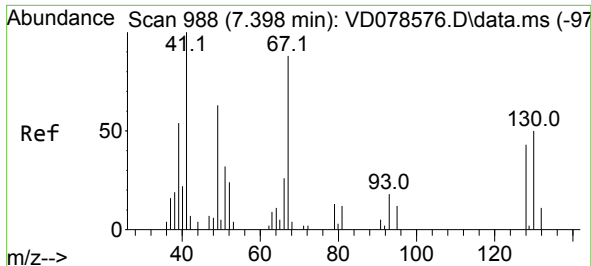
Tgt Ion: 78 Resp: 114912

Ion Ratio Lower Upper

78 100

77 24.0 19.4 29.0

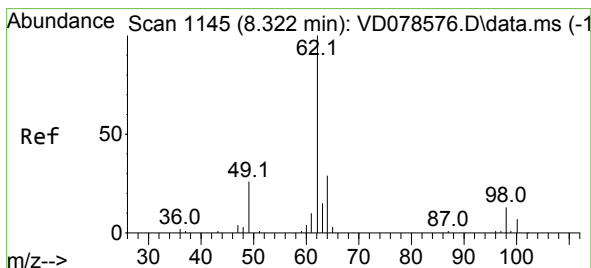
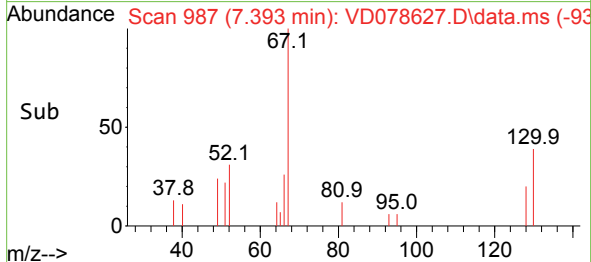
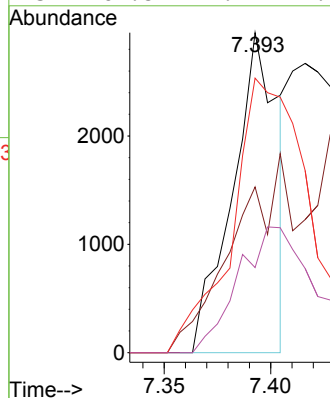
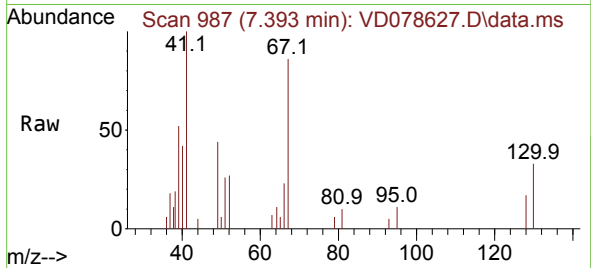




#41  
Methacrylonitrile  
Concen: 12.743 ug/l  
RT: 7.393 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

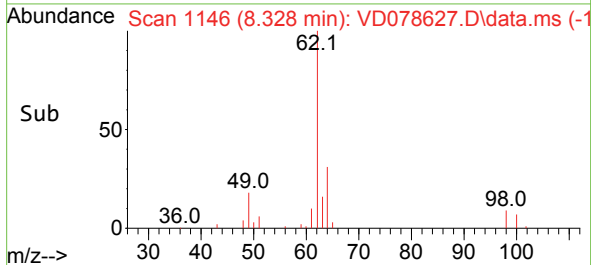
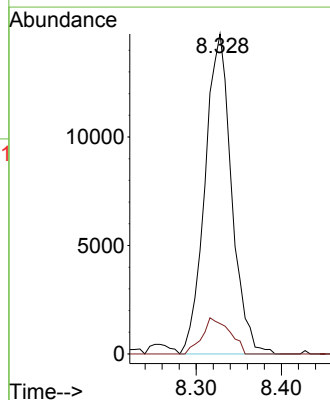
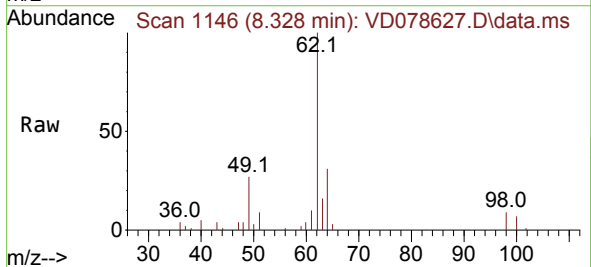
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

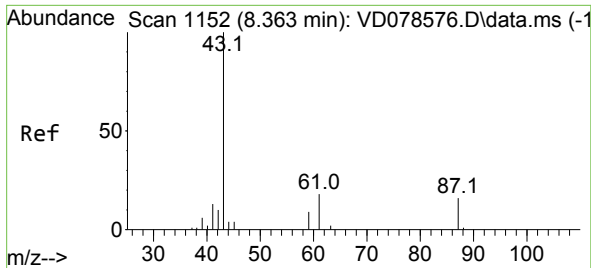
Tgt Ion: 41 Resp: 4381  
Ion Ratio Lower Upper  
41 100  
39 52.3 34.0 51.0#  
67 143.6 77.0 115.4#  
52 64.8 27.9 41.9#



#42  
1,2-Dichloroethane  
Concen: 21.484 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 62 Resp: 31981  
Ion Ratio Lower Upper  
62 100  
98 11.6 0.0 25.4

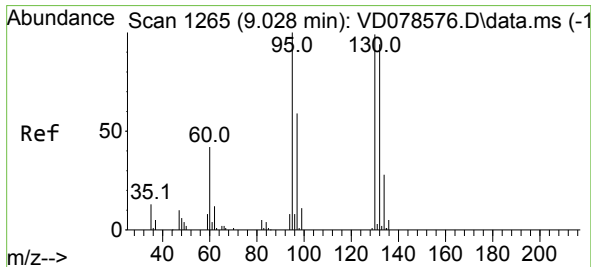
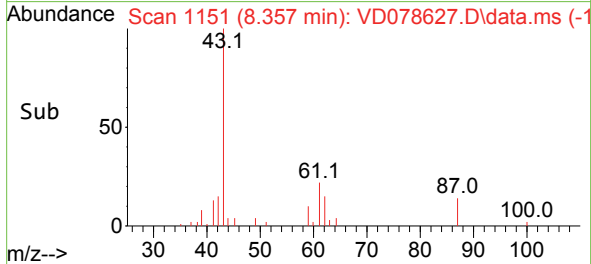
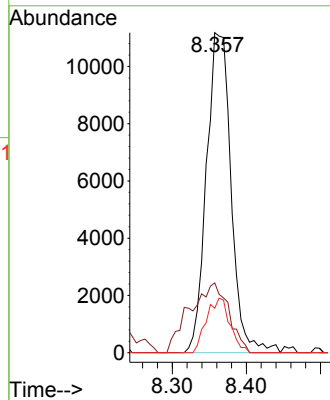
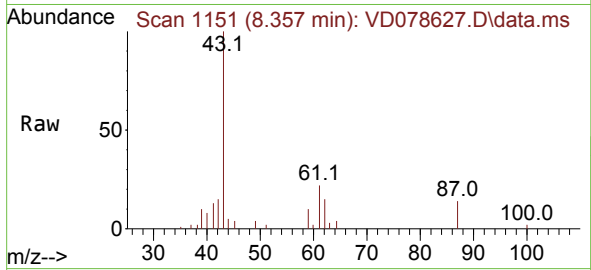




#43  
Isopropyl Acetate  
Concen: 21.018 ug/l  
RT: 8.357 min Scan# 1151  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

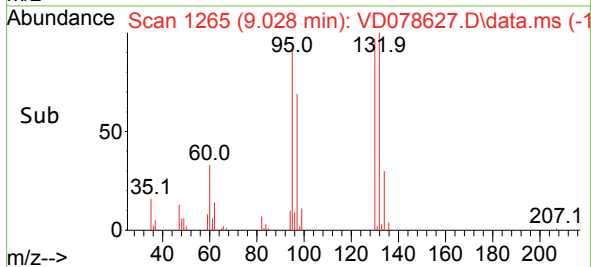
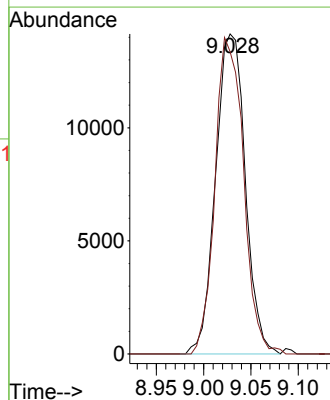
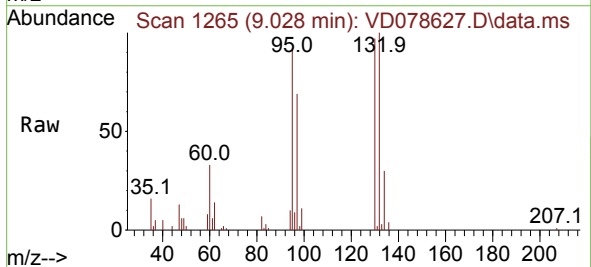
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

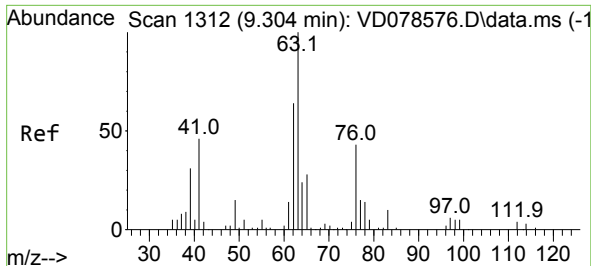
Tgt Ion: 43 Resp: 25847  
Ion Ratio Lower Upper  
43 100  
61 34.3 31.4 47.0  
87 16.2 14.9 22.3



#44  
Trichloroethene  
Concen: 19.141 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion:130 Resp: 30821  
Ion Ratio Lower Upper  
130 100  
95 94.4 0.0 179.2





#45

1,2-Dichloropropane

Concen: 20.326 ug/l

RT: 9.298 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

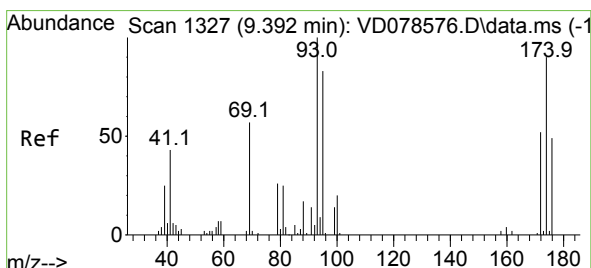
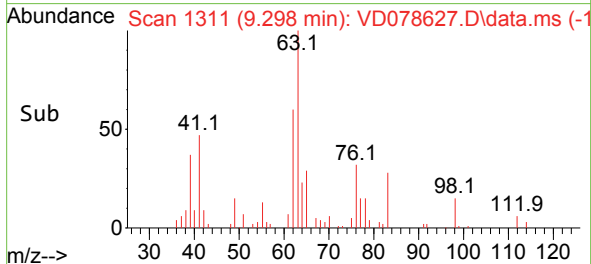
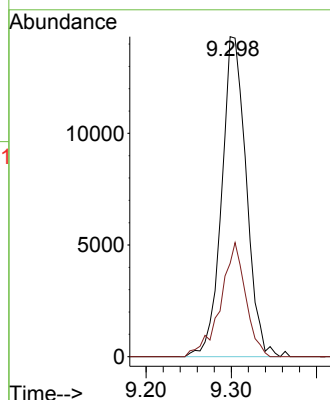
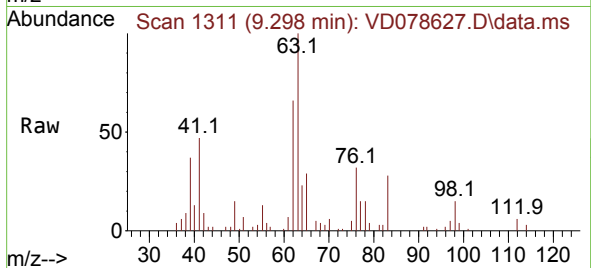
VD0311SBSD01

Tgt Ion: 63 Resp: 28651

Ion Ratio Lower Upper

63 100

65 29.1 24.5 36.7



#46

Dibromomethane

Concen: 21.348 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

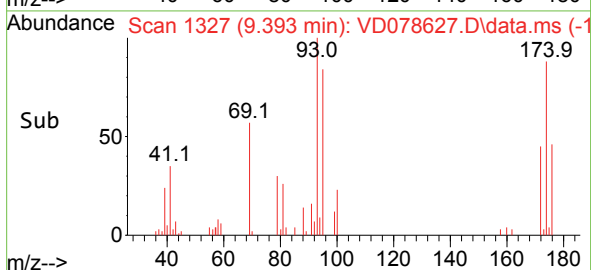
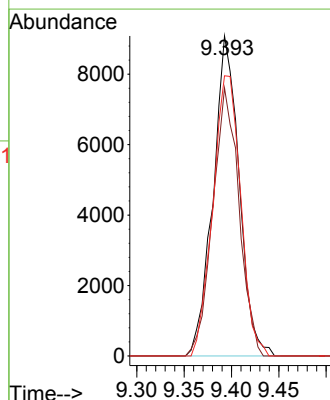
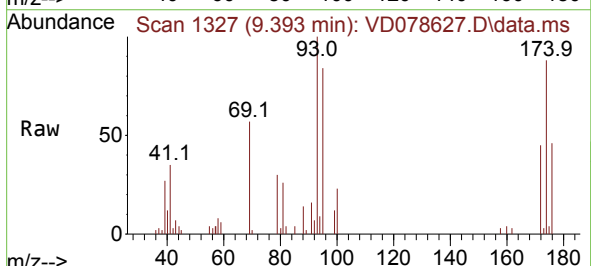
Tgt Ion: 93 Resp: 17347

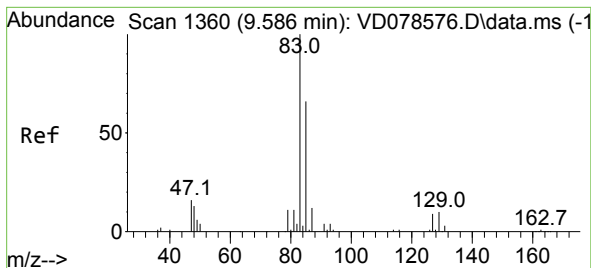
Ion Ratio Lower Upper

93 100

95 84.5 67.7 101.5

174 93.6 85.4 128.2





#47

Bromodichloromethane

Concen: 20.525 ug/l

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

VD0311SBSD01

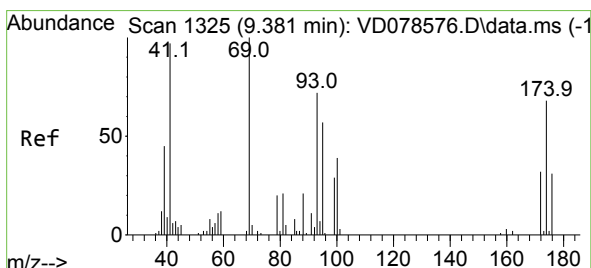
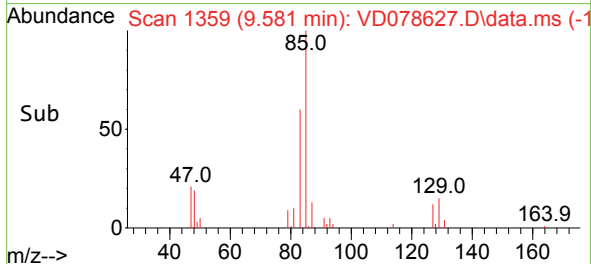
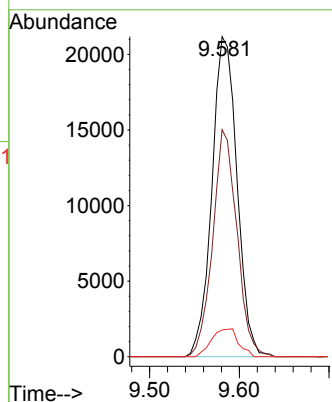
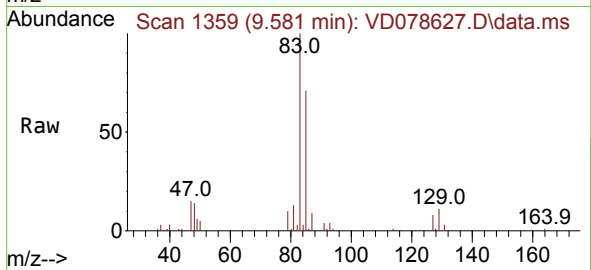
Tgt Ion: 83 Resp: 41125

Ion Ratio Lower Upper

83 100

85 71.0 50.2 75.4

127 8.4 6.3 9.5



#48

Methyl methacrylate

Concen: 19.895 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

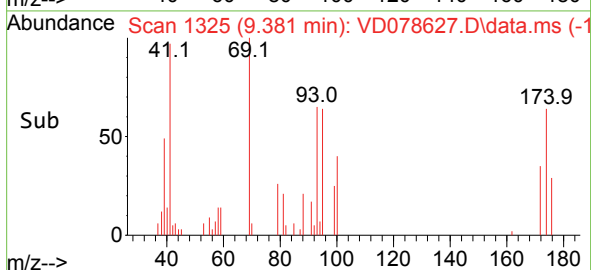
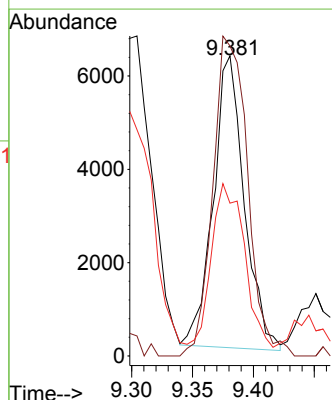
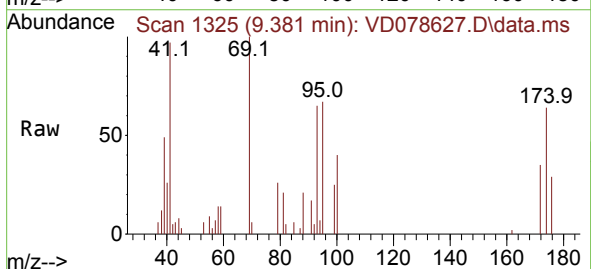
Tgt Ion: 41 Resp: 11083

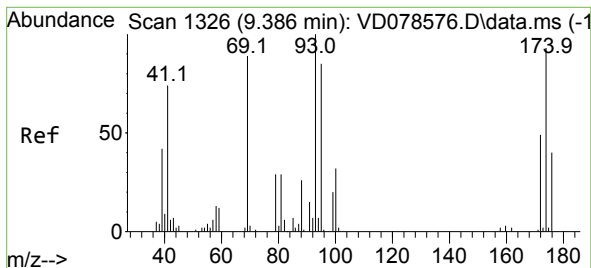
Ion Ratio Lower Upper

41 100

69 122.6 102.2 153.2

39 65.8 41.4 62.2#





#49

1,4-Dioxane

Concen: 448.566 ug/l

RT: 9.398 min Scan# 11

Delta R.T. 0.012 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

VD0311SBSD01

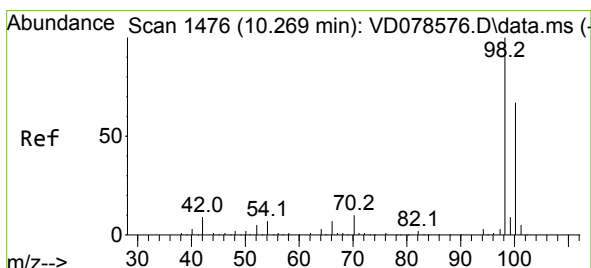
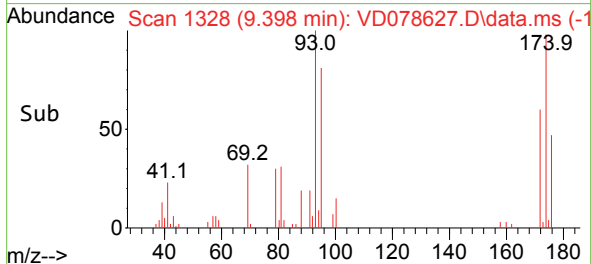
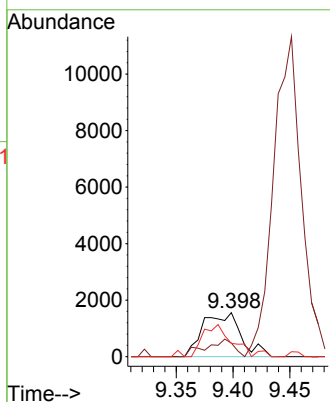
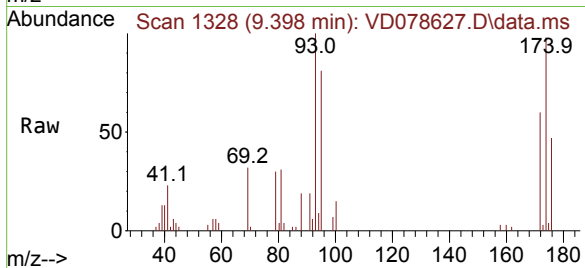
Tgt Ion: 88 Resp: 3592

Ion Ratio Lower Upper

88 100

43 29.2 19.0 28.6#

58 58.4 43.5 65.3



#50

Toluene-d8

Concen: 53.043 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078627.D

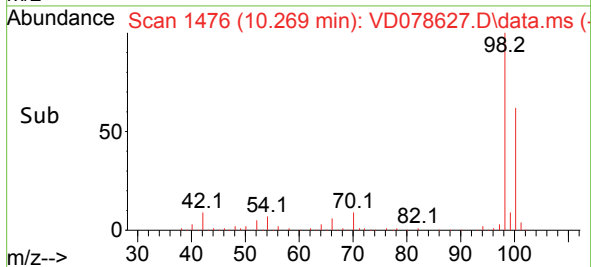
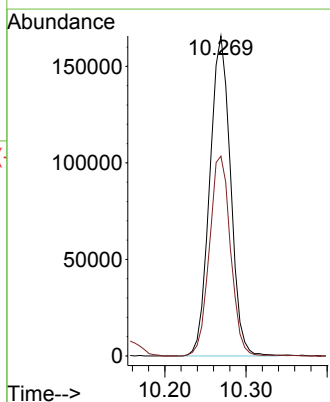
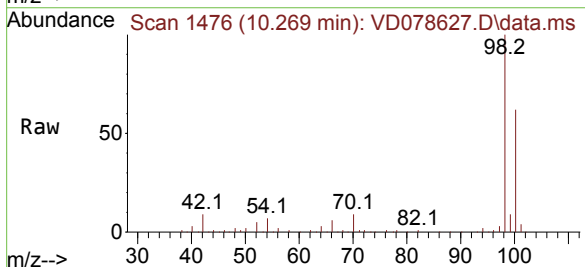
Acq: 11 Mar 2024 12:36

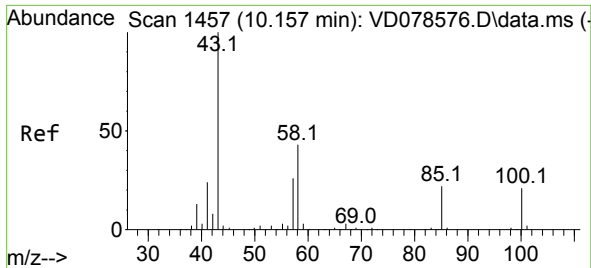
Tgt Ion: 98 Resp: 294869

Ion Ratio Lower Upper

98 100

100 63.3 50.3 75.5

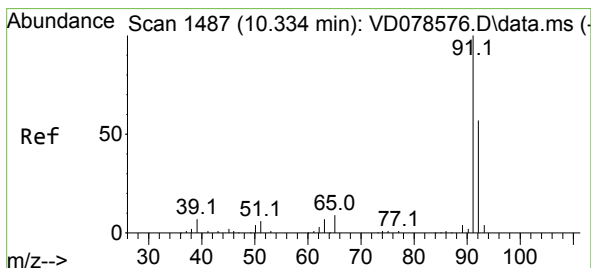
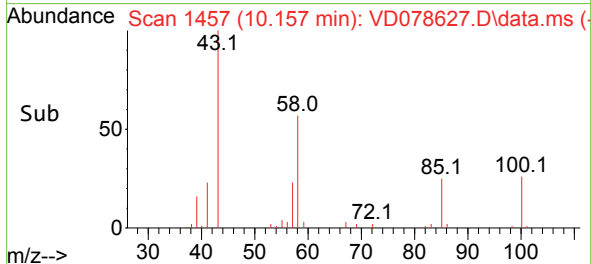
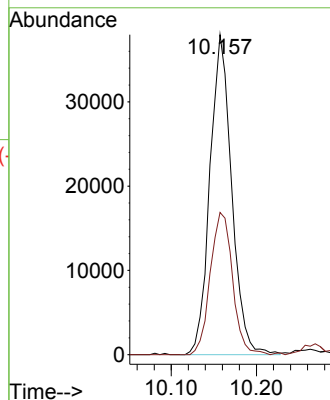
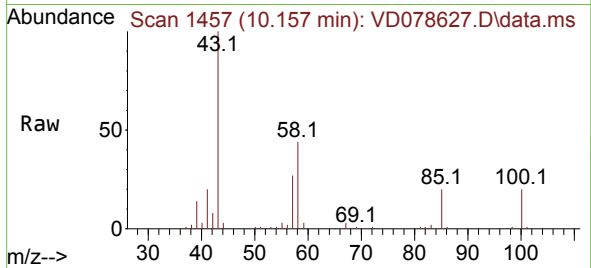




#51  
4-Methyl-2-Pentanone  
Concen: 106.144 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

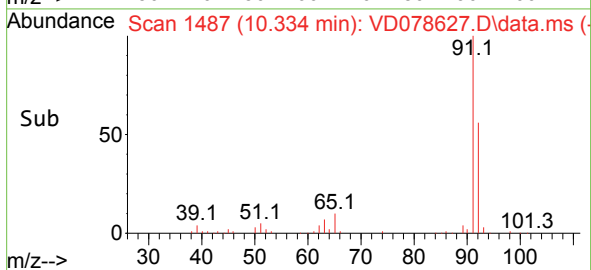
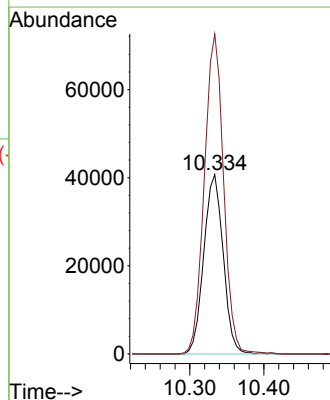
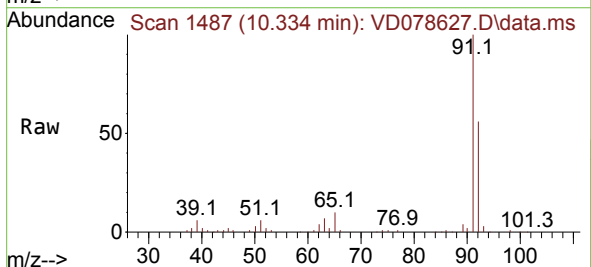
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

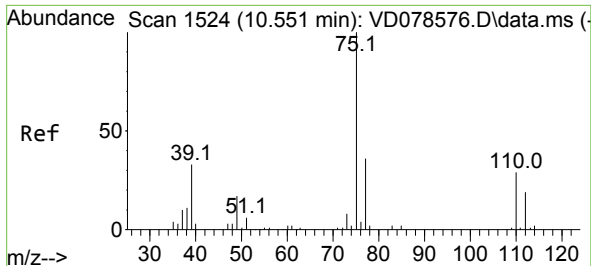
Tgt Ion: 43 Resp: 67373  
Ion Ratio Lower Upper  
43 100  
58 45.4 38.9 58.3



#52  
Toluene  
Concen: 19.722 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 92 Resp: 74254  
Ion Ratio Lower Upper  
92 100  
91 176.8 143.0 214.4

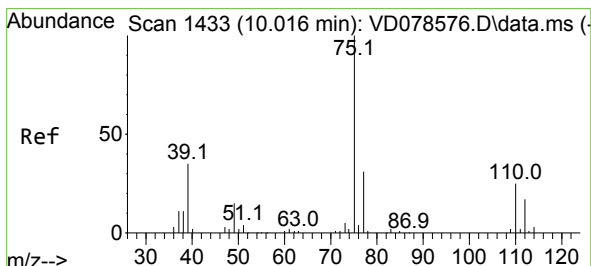
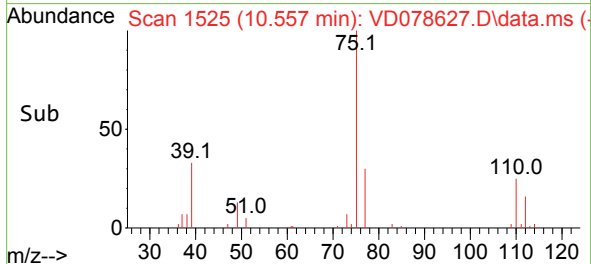
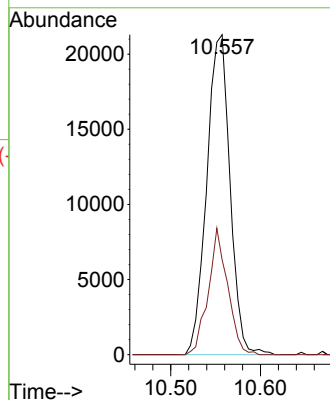
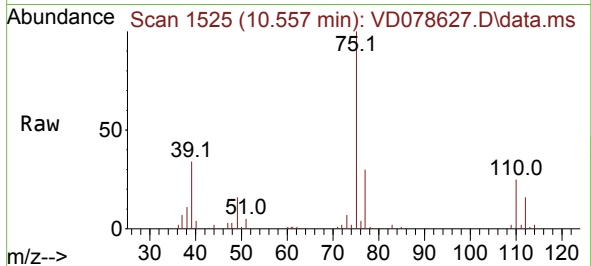




#53  
 t-1,3-Dichloropropene  
 Concen: 20.695 ug/l  
 RT: 10.557 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VD078627.D  
 Acq: 11 Mar 2024 12:36

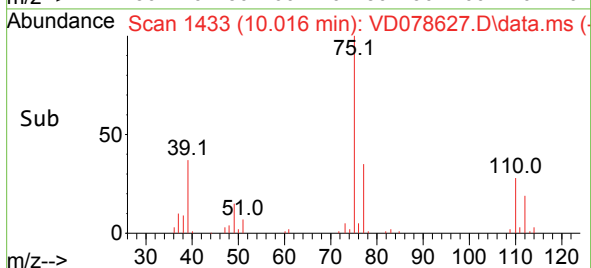
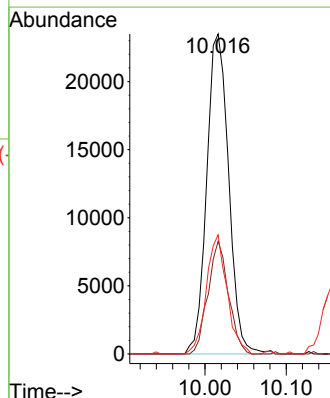
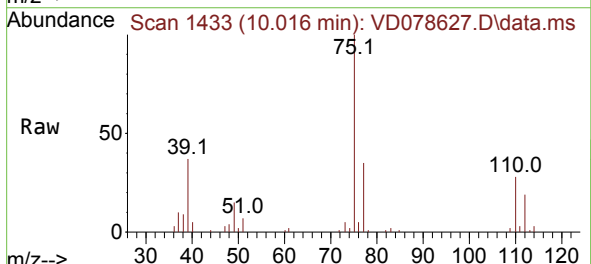
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0311SBSD01

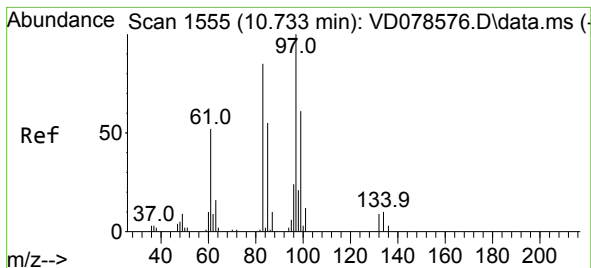
Tgt Ion: 75 Resp: 38359  
 Ion Ratio Lower Upper  
 75 100  
 77 29.6 25.3 37.9



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.887 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD078627.D  
 Acq: 11 Mar 2024 12:36

Tgt Ion: 75 Resp: 44136  
 Ion Ratio Lower Upper  
 75 100  
 77 35.2 25.5 38.3  
 39 37.2 22.1 33.1#

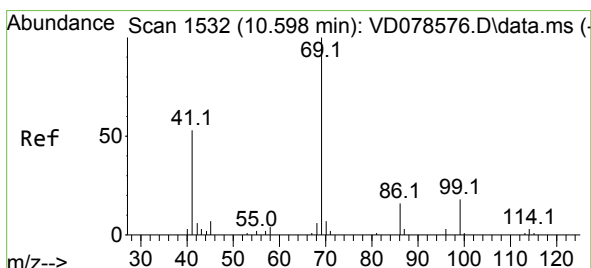
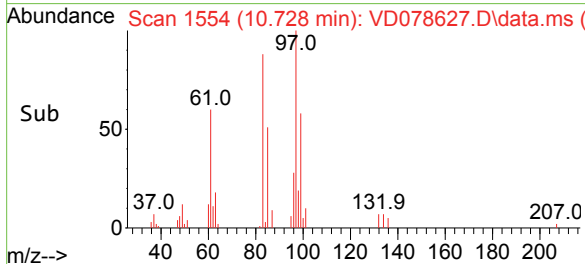
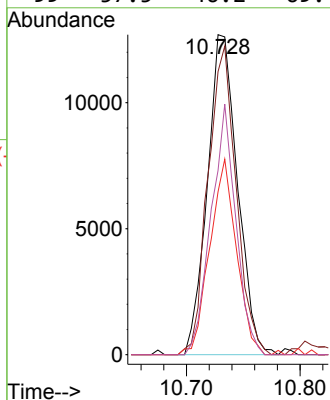
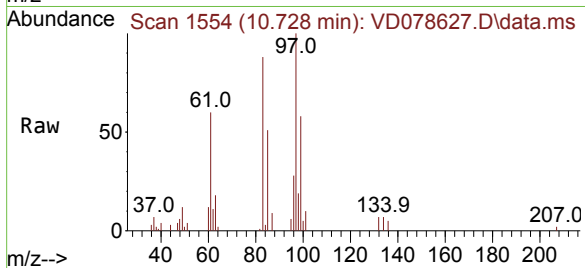




#55  
1,1,2-Trichloroethane  
Concen: 20.504 ug/l  
RT: 10.728 min Scan# 1554  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

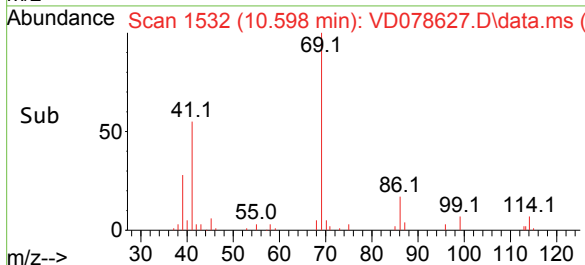
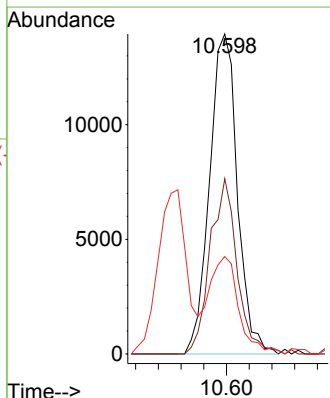
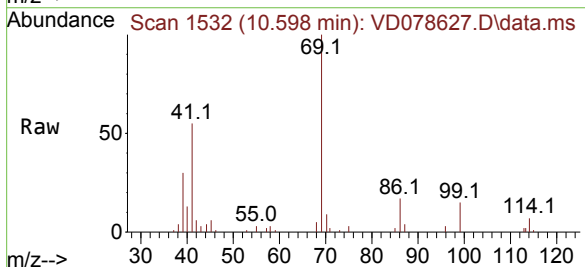
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

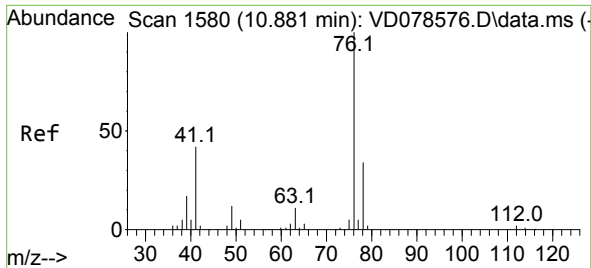
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 23461 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.5  | 65.8  | 98.6  |
| 85       | 50.9  | 45.7  | 68.5  |
| 99       | 57.5  | 46.2  | 69.4  |



#56  
Ethyl methacrylate  
Concen: 20.710 ug/l  
RT: 10.598 min Scan# 1532  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 23751 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 53.0  | 39.1  | 58.7  |
| 39       | 32.6  | 20.0  | 30.0# |

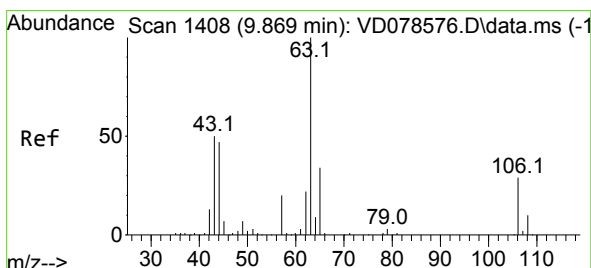
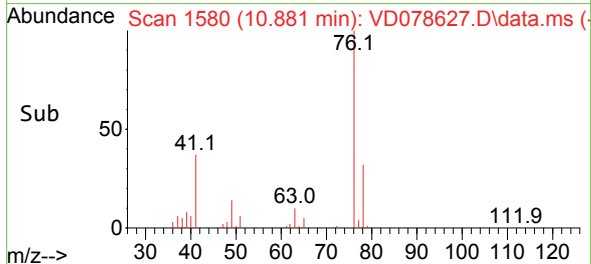
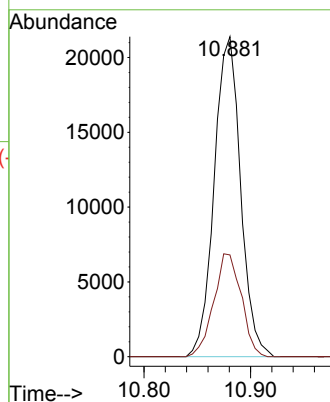
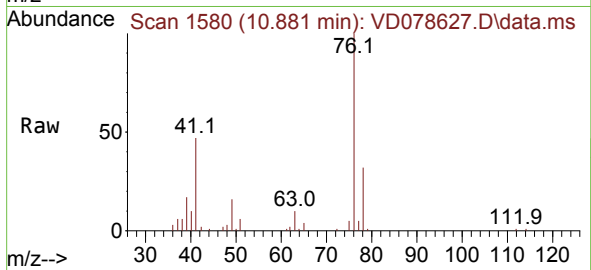




#57  
1,3-Dichloropropane  
Concen: 19.803 ug/l  
RT: 10.881 min Scan# 1580  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

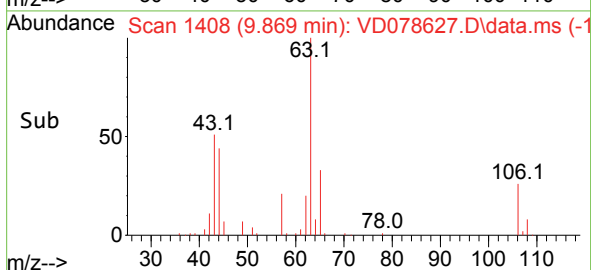
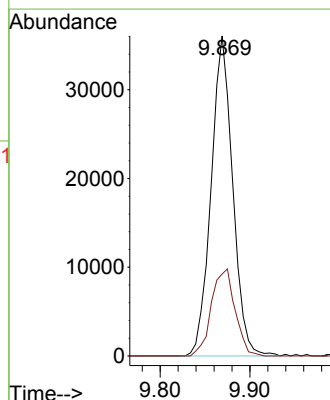
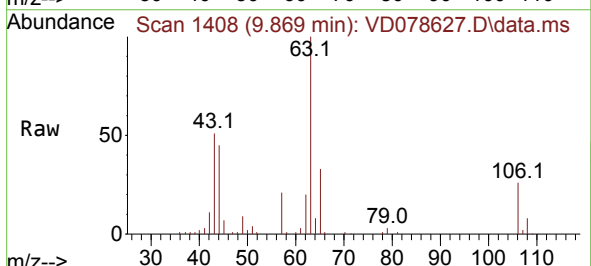
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

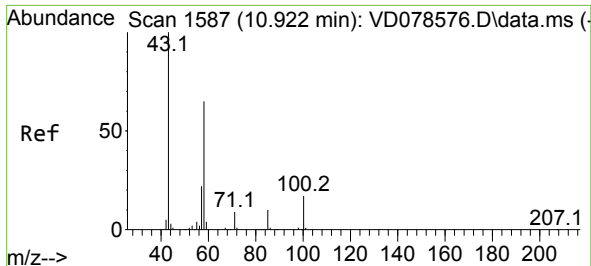
Tgt Ion: 76 Resp: 36719  
Ion Ratio Lower Upper  
76 100  
78 33.6 26.4 39.6



#58  
2-Chloroethyl Vinyl ether  
Concen: 130.857 ug/l  
RT: 9.869 min Scan# 1408  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 63 Resp: 60278  
Ion Ratio Lower Upper  
63 100  
106 29.7 25.3 37.9

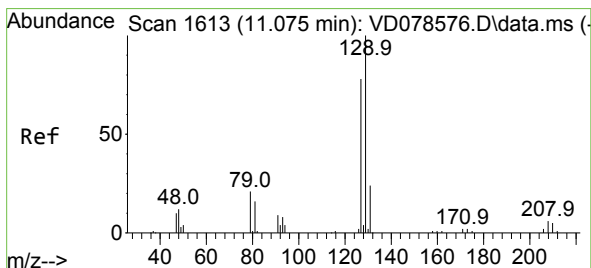
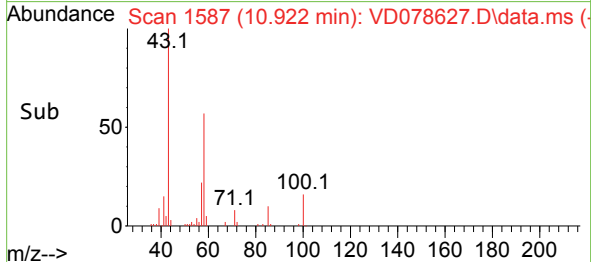
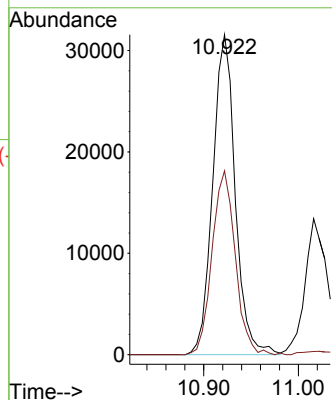
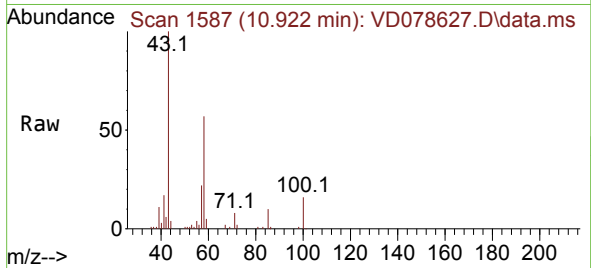




#59  
2-Hexanone  
Concen: 110.585 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

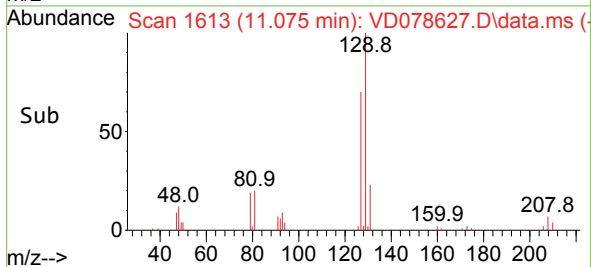
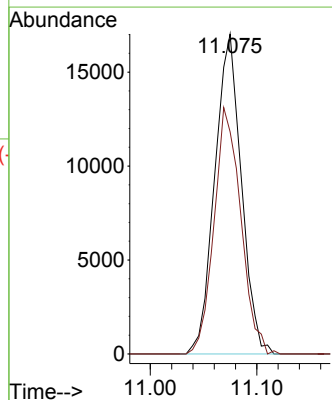
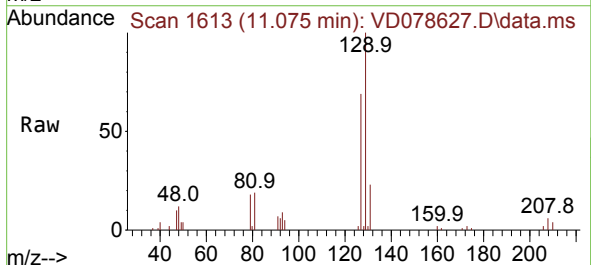
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

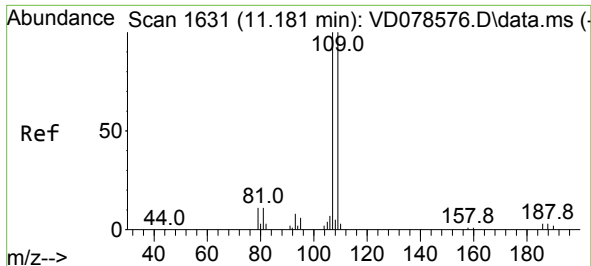
Tgt Ion: 43 Resp: 52063  
Ion Ratio Lower Upper  
43 100  
58 59.3 34.1 102.2



#60  
Dibromochloromethane  
Concen: 21.356 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 129 Resp: 29505  
Ion Ratio Lower Upper  
129 100  
127 77.5 37.1 111.5

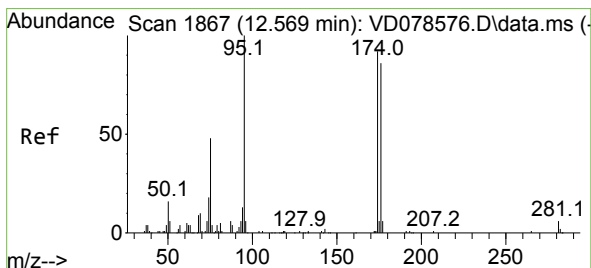
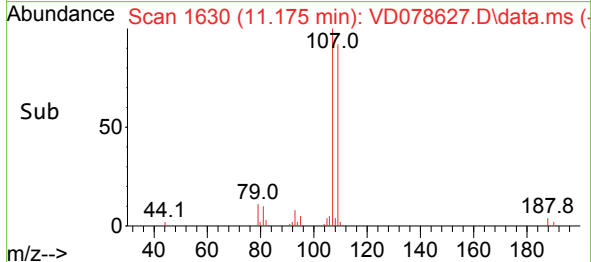
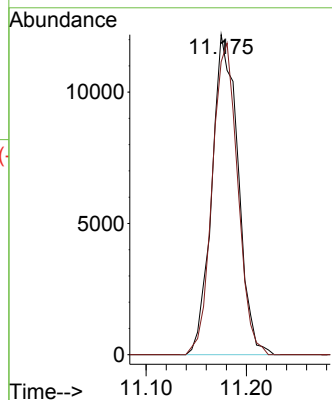
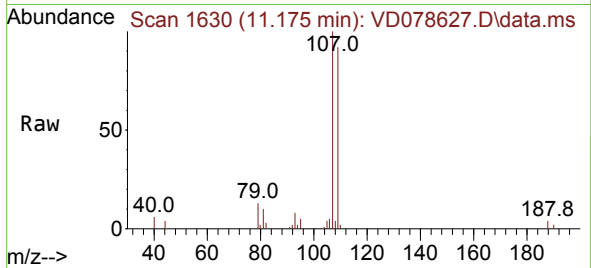




#61  
1,2-Dibromoethane  
Concen: 21.053 ug/l  
RT: 11.175 min Scan# 1630  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

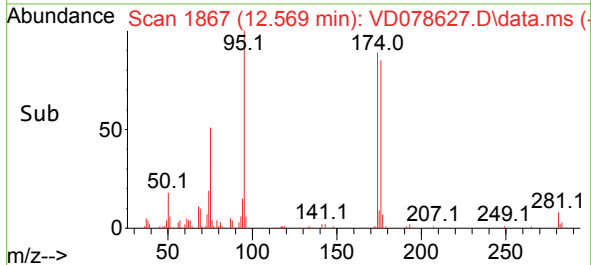
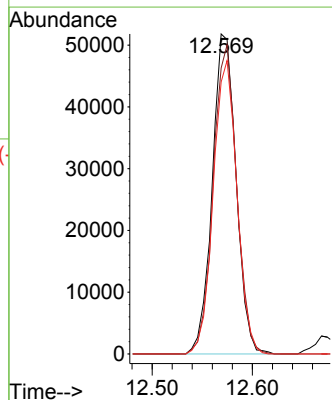
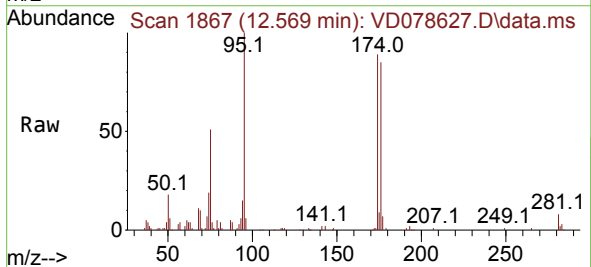
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

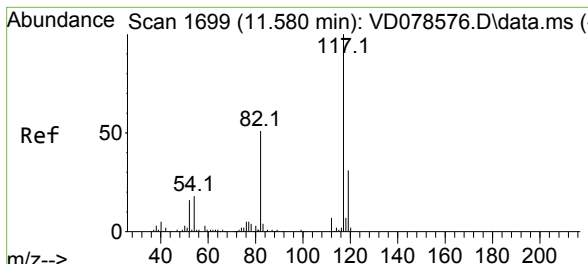
Tgt Ion:107 Resp: 22108  
Ion Ratio Lower Upper  
107 100  
109 94.6 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 53.789 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 95 Resp: 85403  
Ion Ratio Lower Upper  
95 100  
174 95.1 0.0 201.8  
176 91.2 0.0 191.8

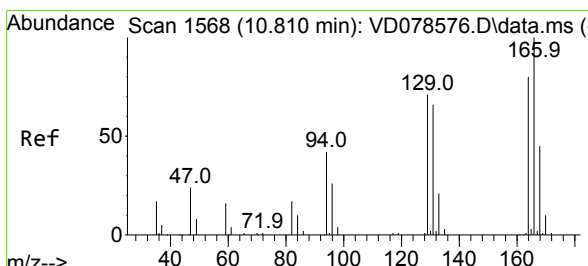
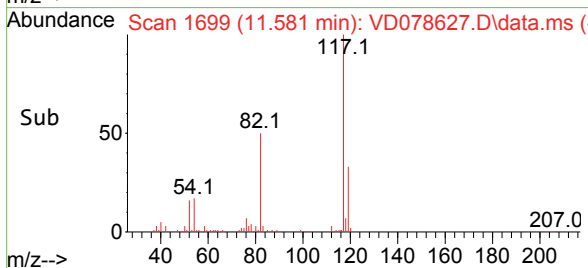
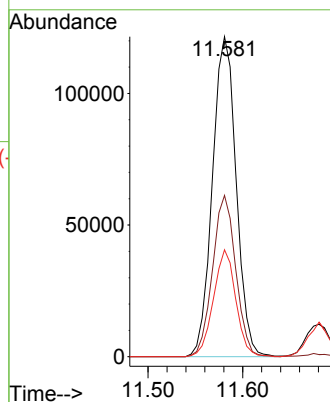
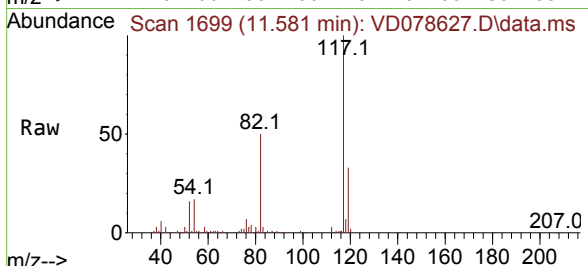




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

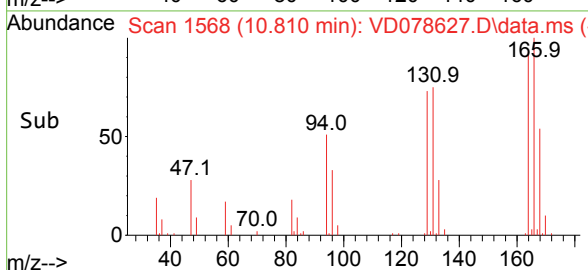
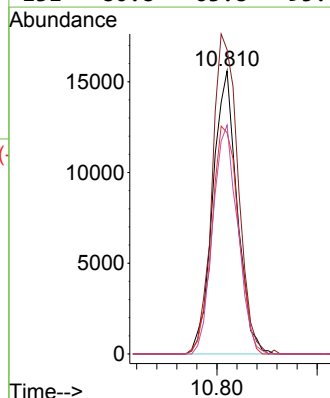
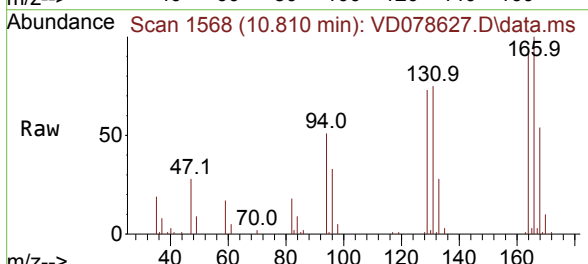
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

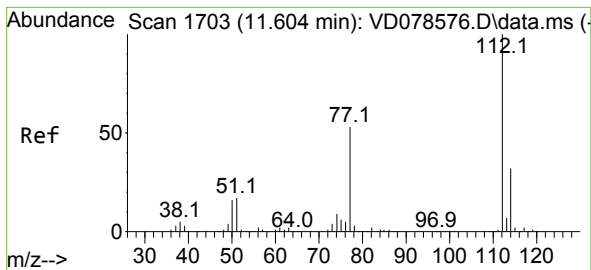
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 211819 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 50.4  | 38.3  | 57.5   |
| 119      | 33.4  | 25.0  | 37.4   |



#64  
Tetrachloroethene  
Concen: 19.817 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 26411 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 107.5 | 99.2  | 148.8 |
| 129      | 78.1  | 68.4  | 102.6 |
| 131      | 80.8  | 63.8  | 95.8  |

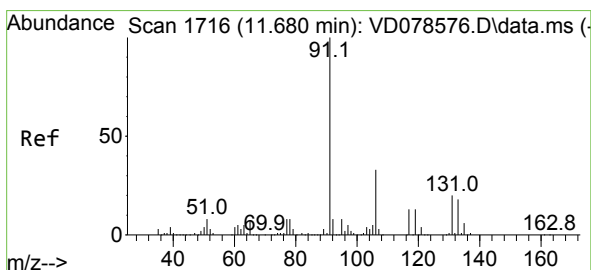
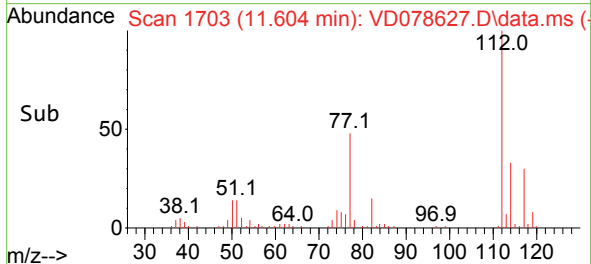
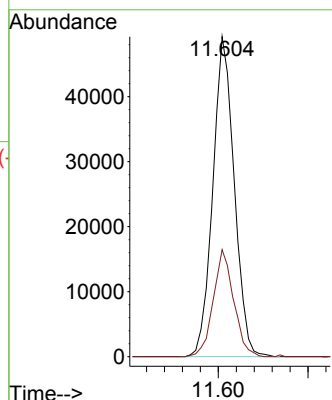
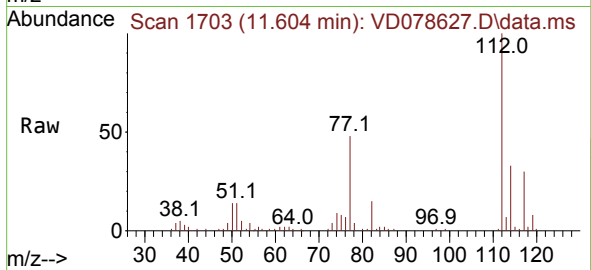




#65  
Chlorobenzene  
Concen: 19.542 ug/l  
RT: 11.604 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

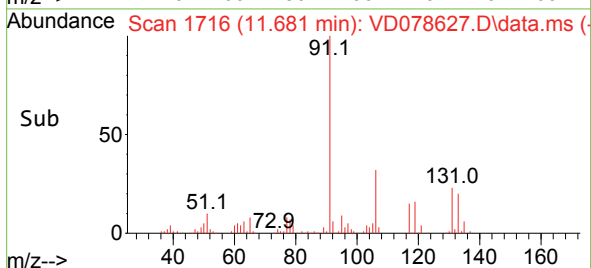
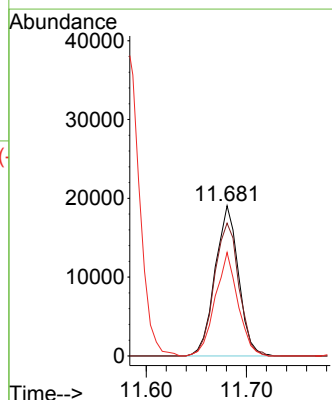
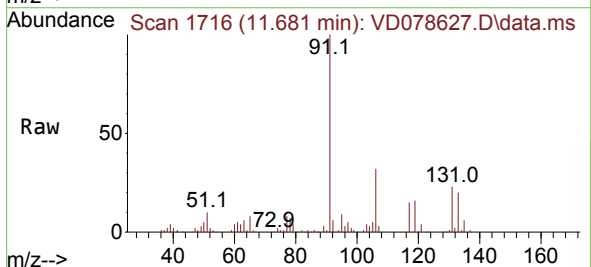
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

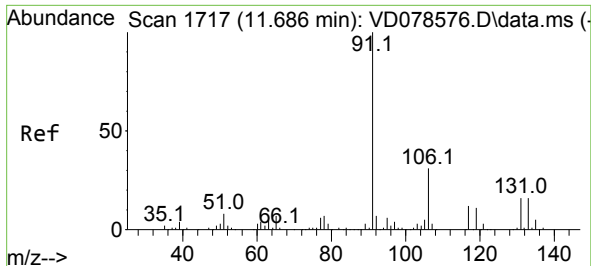
Tgt Ion:112 Resp: 81515  
Ion Ratio Lower Upper  
112 100  
114 33.5 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.961 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion:131 Resp: 30997  
Ion Ratio Lower Upper  
131 100  
133 93.1 48.5 145.5  
119 66.8 35.6 106.9

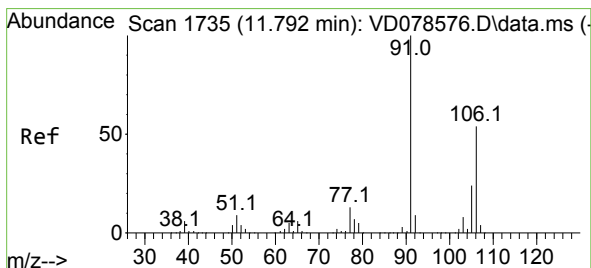
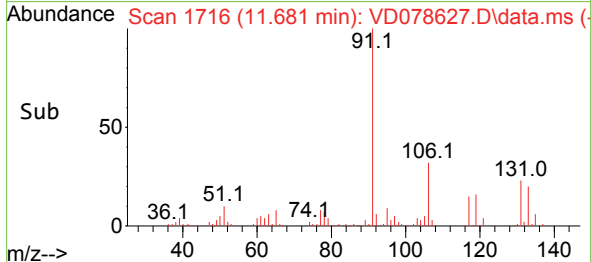
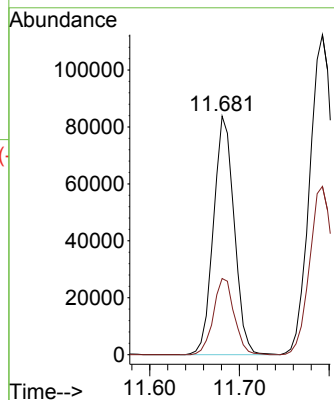
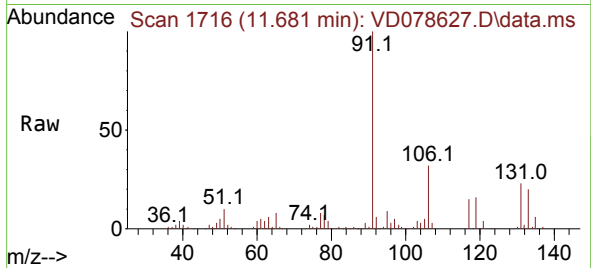




#67  
Ethyl Benzene  
Concen: 18.589 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

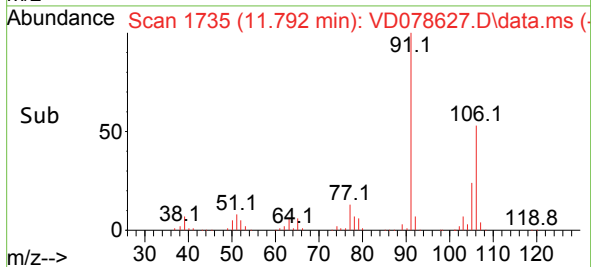
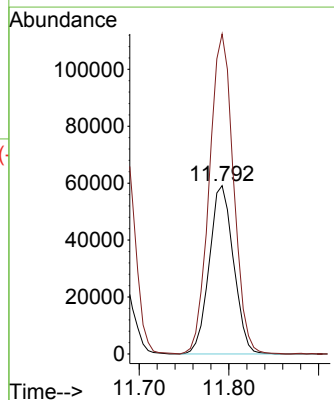
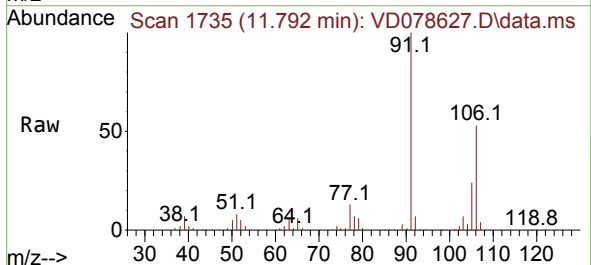
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

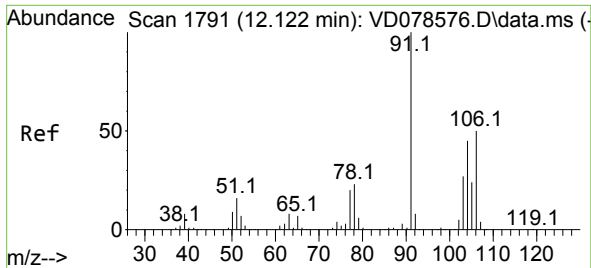
Tgt Ion: 91 Resp: 134356  
Ion Ratio Lower Upper  
91 100  
106 31.9 26.5 39.7



#68  
m/p-Xylenes  
Concen: 37.960 ug/l  
RT: 11.792 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion:106 Resp: 110995  
Ion Ratio Lower Upper  
106 100  
91 189.6 147.0 220.6

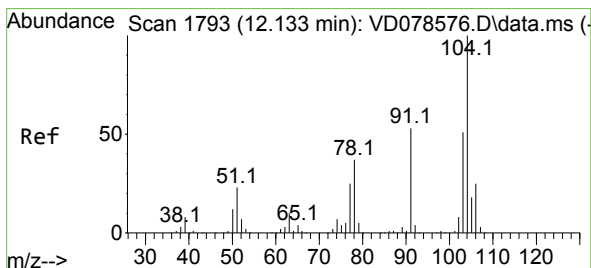
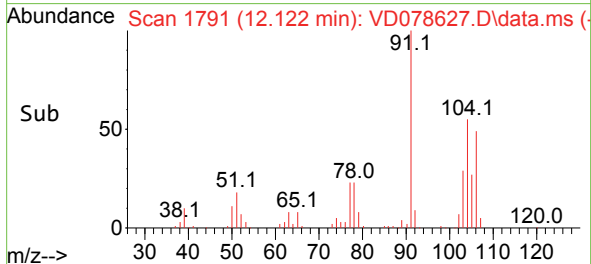
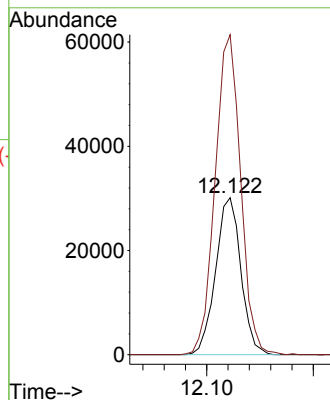
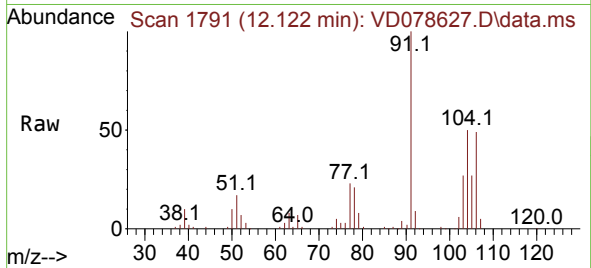




#69  
o-Xylene  
Concen: 18.674 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

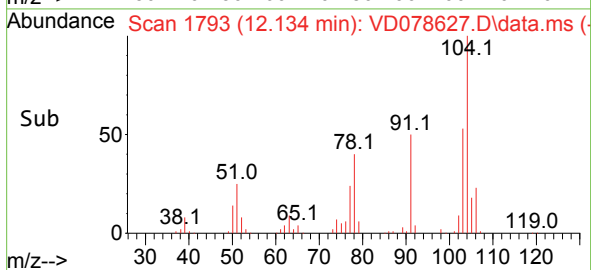
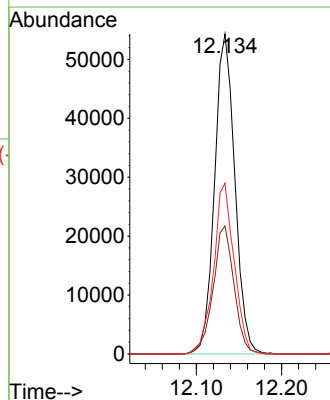
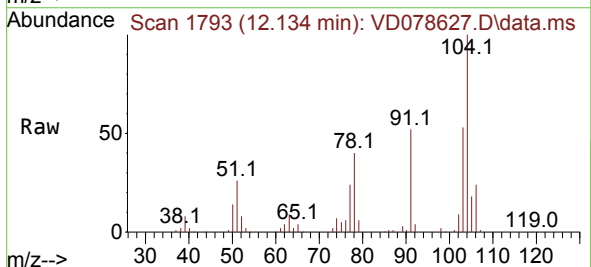
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

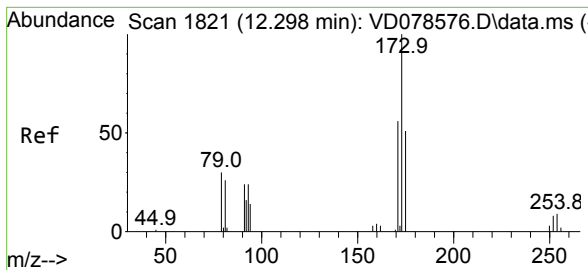
Tgt Ion:106 Resp: 49534  
Ion Ratio Lower Upper  
106 100  
91 205.8 97.9 293.6



#70  
Styrene  
Concen: 19.499 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion:104 Resp: 89653  
Ion Ratio Lower Upper  
104 100  
78 41.4 33.2 49.8  
103 54.3 43.6 65.4

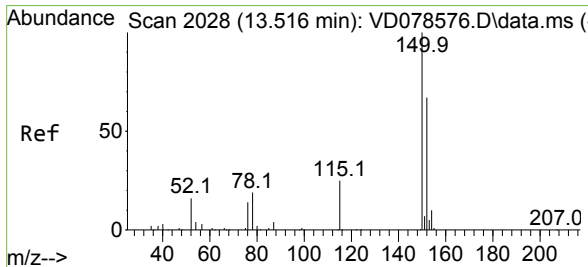
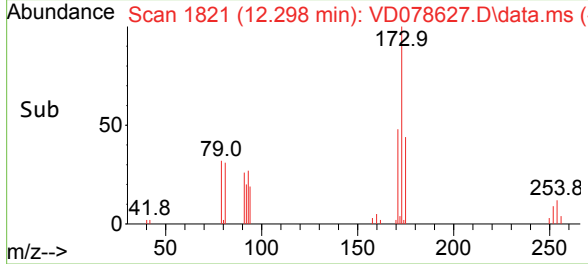
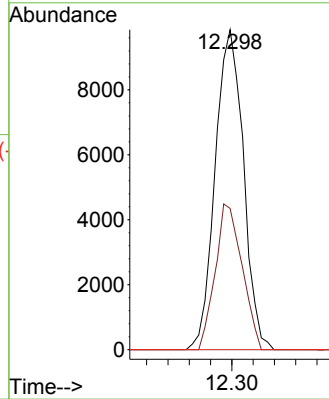
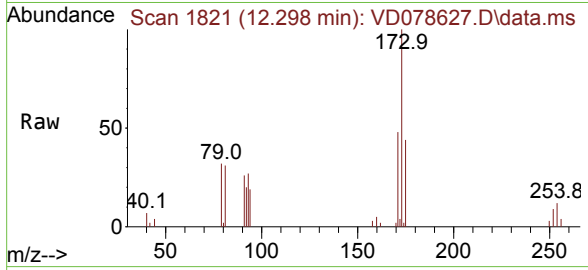




#71  
Bromoform  
Concen: 21.924 ug/l  
RT: 12.298 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

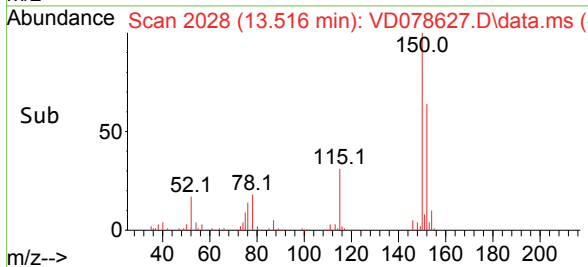
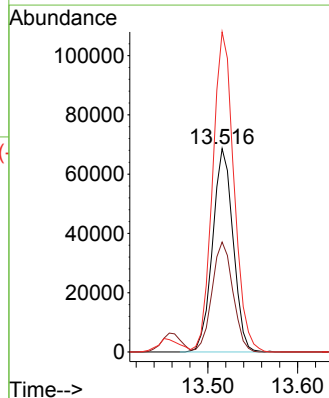
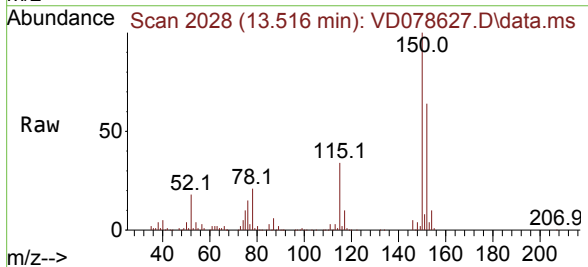
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

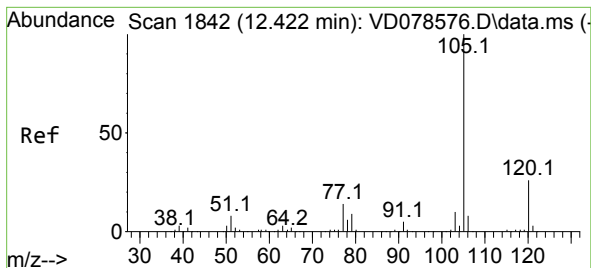
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 18112 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 43.2  | 24.6  | 73.8  |
| 254       | 0.0   | 0.0   | 0.0   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 108873 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 55.2  | 27.1  | 81.3   |
| 150       | 163.5 | 0.0   | 353.6  |





#73

Isopropylbenzene

Concen: 18.344 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

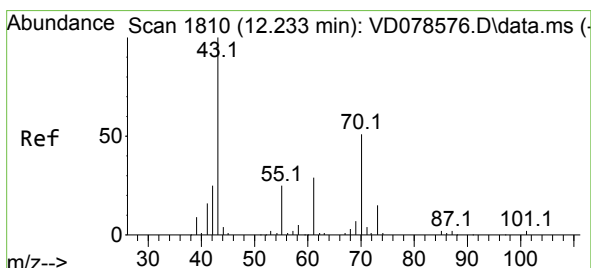
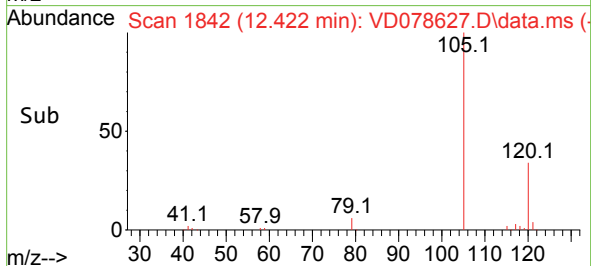
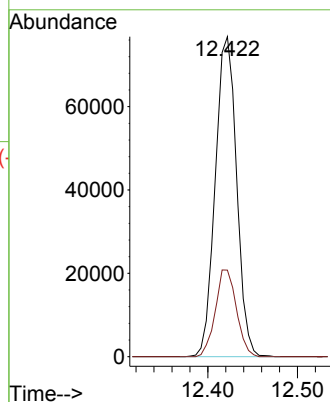
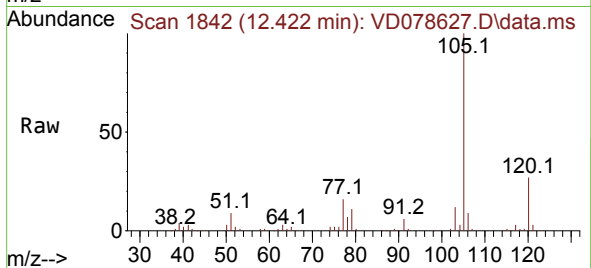
VD0311SBSD01

Tgt Ion:105 Resp: 126599

Ion Ratio Lower Upper

105 100

120 26.9 14.3 42.9



#74

N-ethyl acetate

Concen: 20.053 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Tgt Ion: 43 Resp: 23294

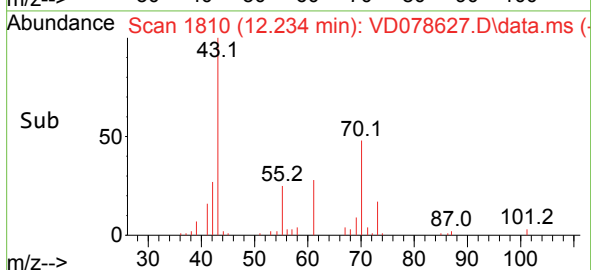
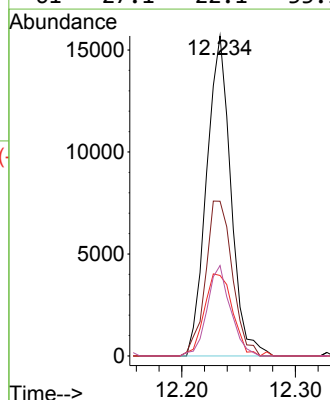
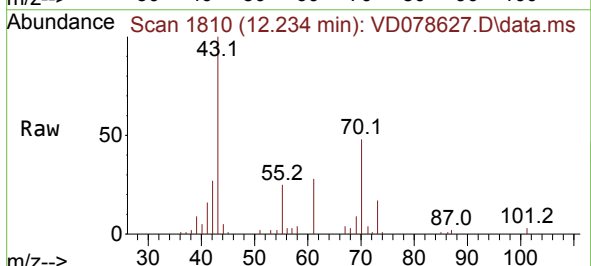
Ion Ratio Lower Upper

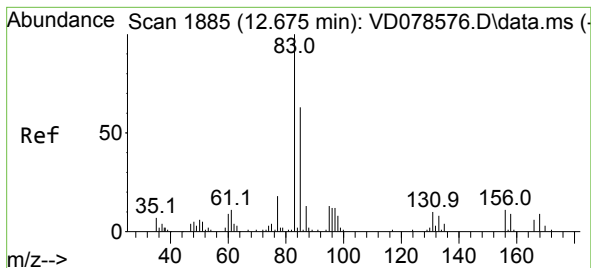
43 100

70 53.2 45.0 67.4

55 30.1 23.8 35.6

61 27.1 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.385 ug/l

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

VD0311SBSD01

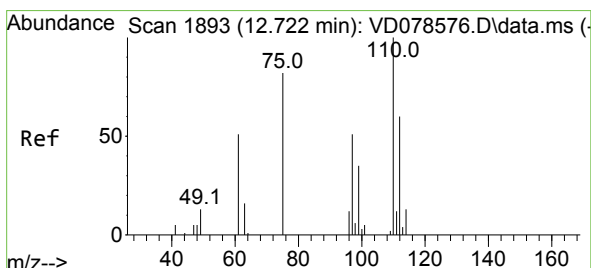
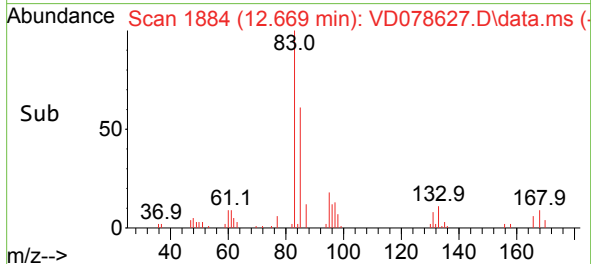
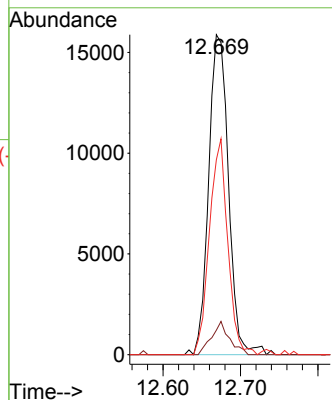
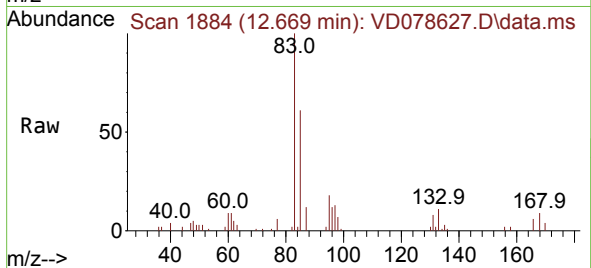
Tgt Ion: 83 Resp: 28273

Ion Ratio Lower Upper

83 100

131 9.4 5.1 15.3

85 62.3 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 37.470 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD078627.D

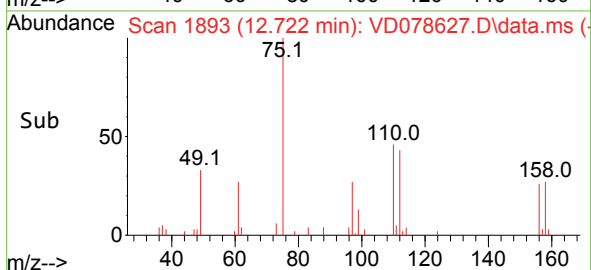
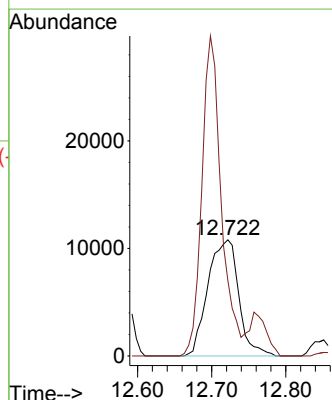
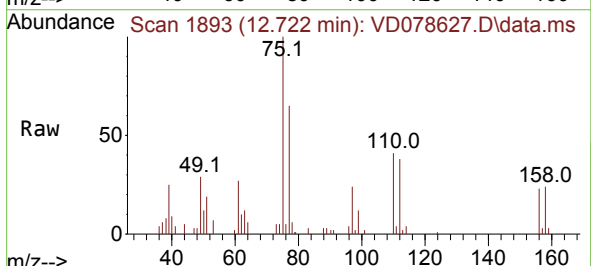
Acq: 11 Mar 2024 12:36

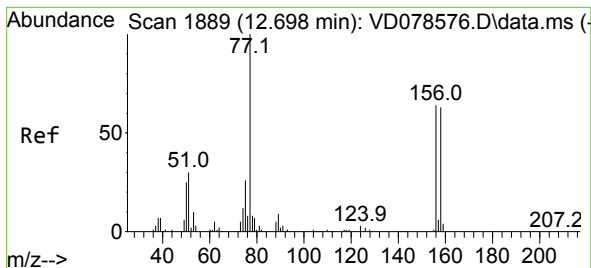
Tgt Ion: 75 Resp: 31157

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.377 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

VD0311SBSD01

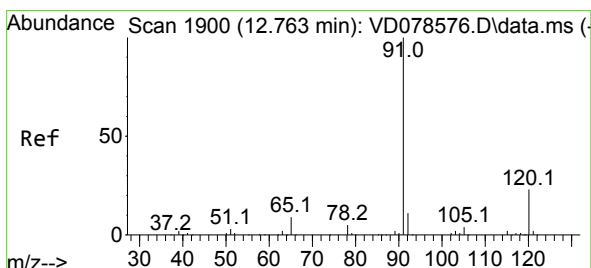
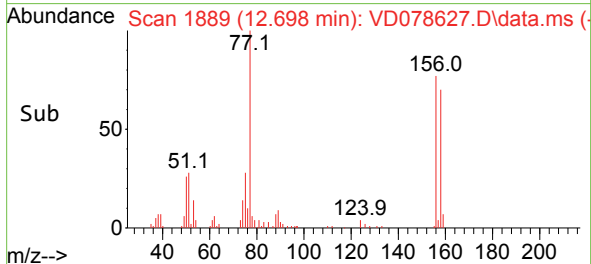
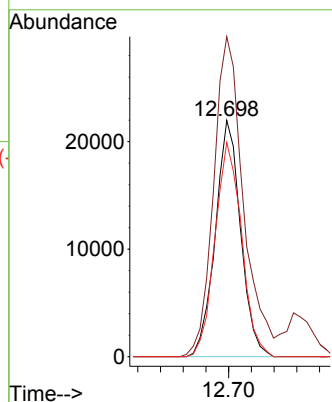
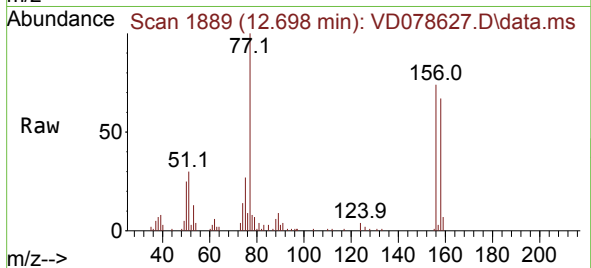
Tgt Ion:156 Resp: 34011

Ion Ratio Lower Upper

156 100

77 159.1 76.8 230.4

158 95.4 48.6 145.9



#78

n-propylbenzene

Concen: 19.372 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD078627.D

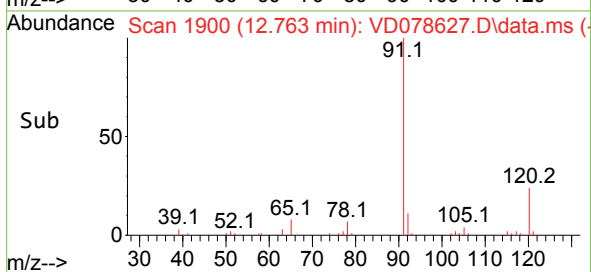
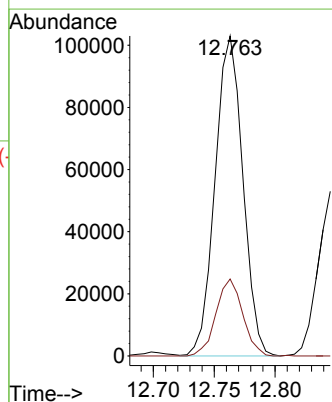
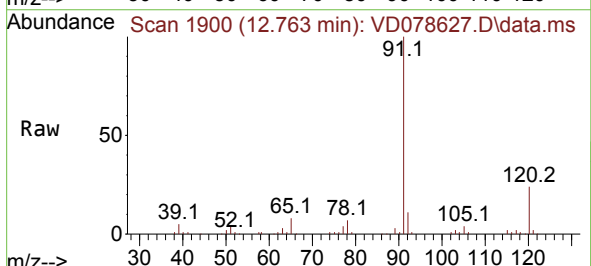
Acq: 11 Mar 2024 12:36

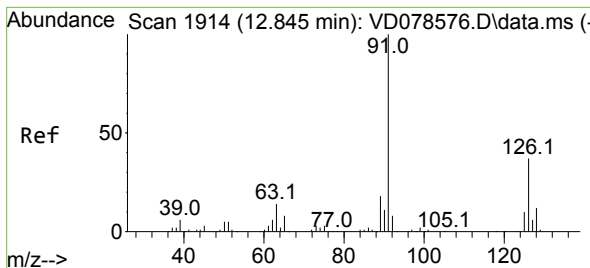
Tgt Ion: 91 Resp: 163537

Ion Ratio Lower Upper

91 100

120 23.1 12.4 37.2

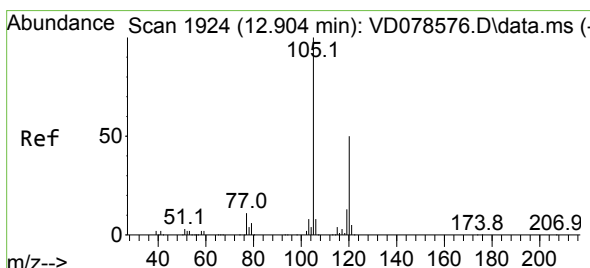
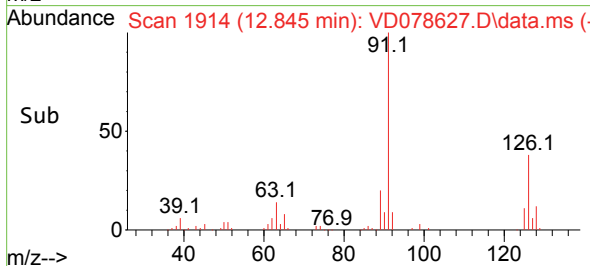
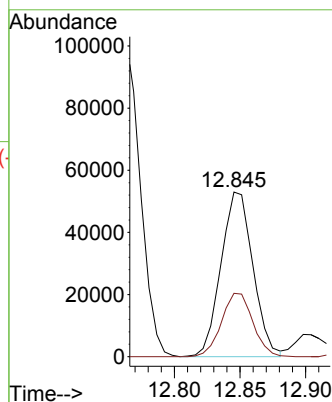
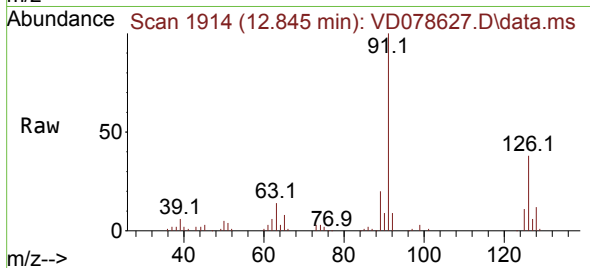




#79  
2-Chlorotoluene  
Concen: 19.885 ug/l  
RT: 12.845 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

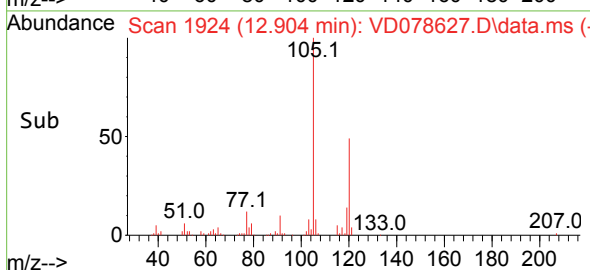
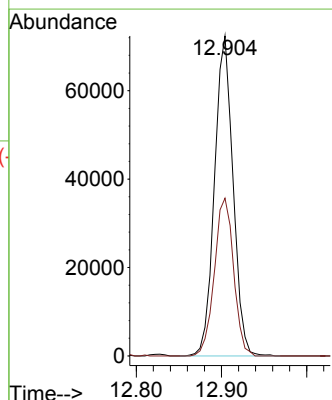
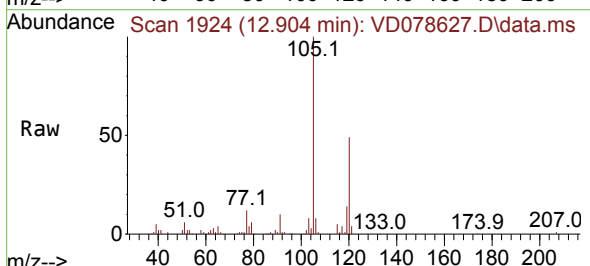
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

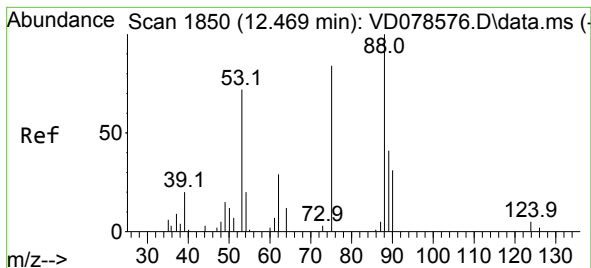
Tgt Ion: 91 Resp: 90080  
Ion Ratio Lower Upper  
91 100  
126 37.8 19.4 58.1



#80  
1,3,5-Trimethylbenzene  
Concen: 19.482 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion: 105 Resp: 109411  
Ion Ratio Lower Upper  
105 100  
120 51.1 26.4 79.2

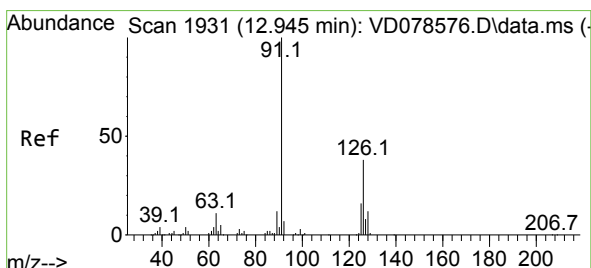
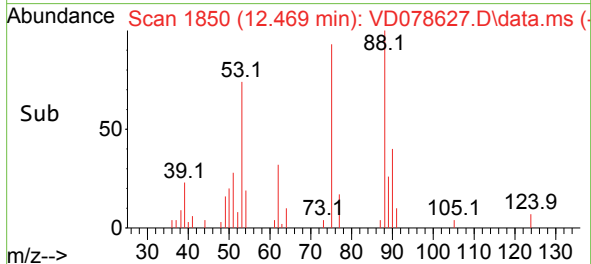
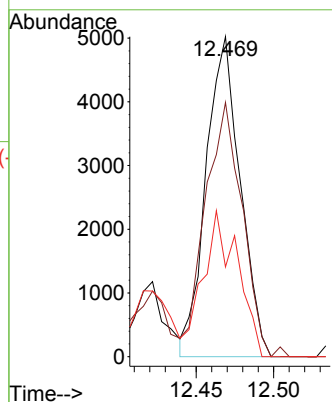
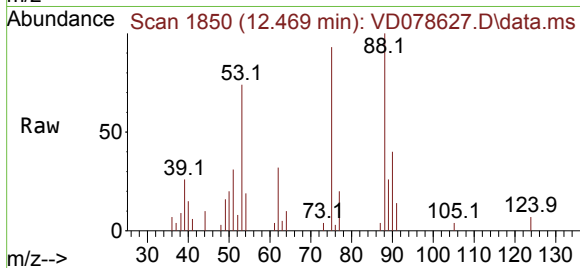




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.795 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

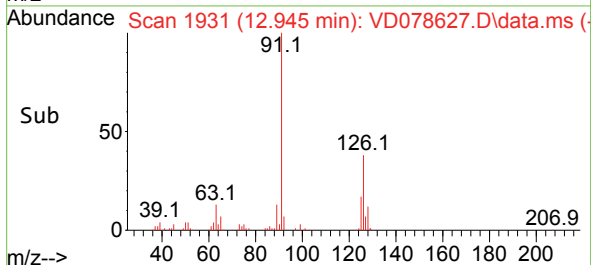
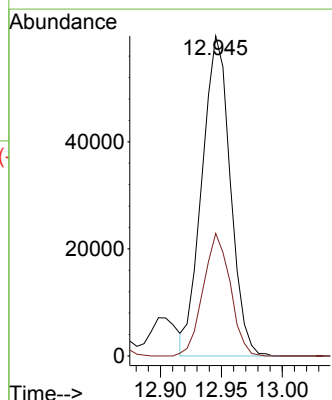
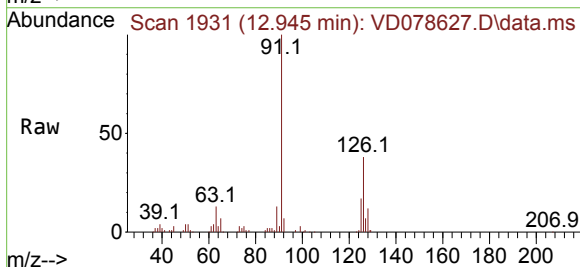
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

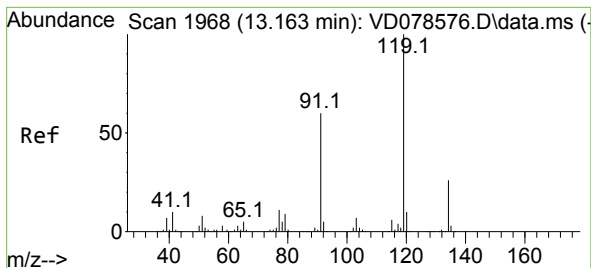
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 7690  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 86.1  | 63.0  | 94.4  |
| 89       | 46.3  | 37.9  | 56.9  |



#82  
4-Chlorotoluene  
Concen: 20.020 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 96652 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 36.6  | 19.4  | 58.4  |





#83

tert-Butylbenzene

Concen: 19.375 ug/l

RT: 13.169 min Scan# 1968

Delta R.T. 0.006 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

VD0311SBSD01

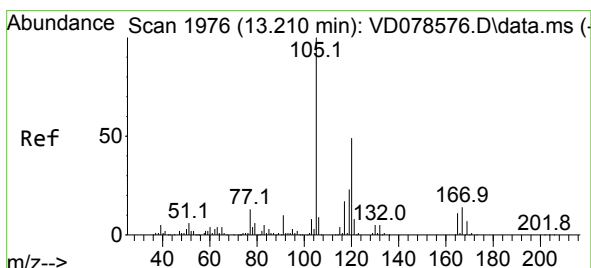
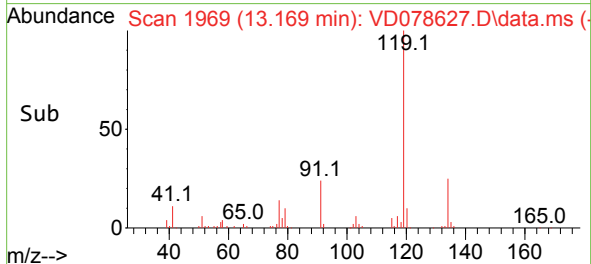
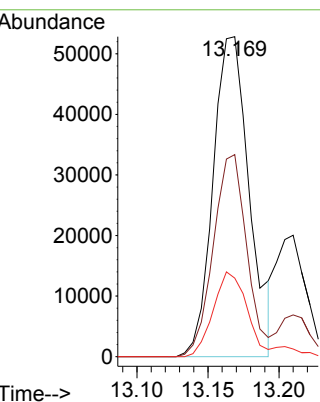
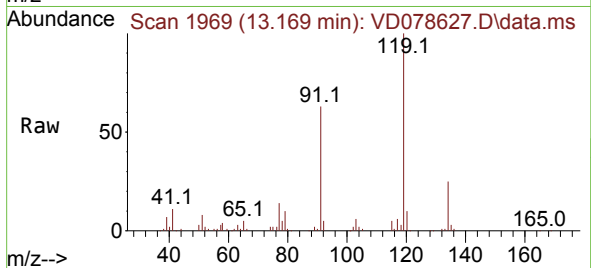
Tgt Ion:119 Resp: 93688

Ion Ratio Lower Upper

119 100

91 58.4 29.3 87.8

134 24.5 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 19.308 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD078627.D

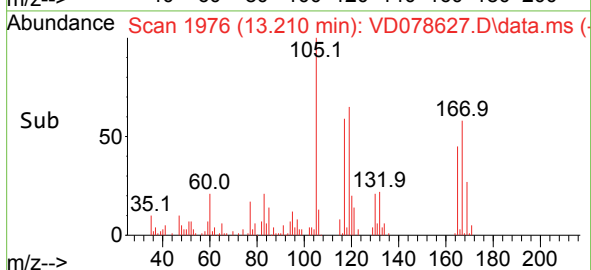
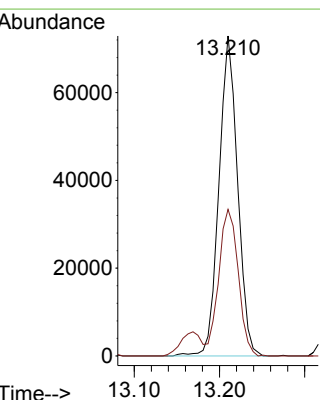
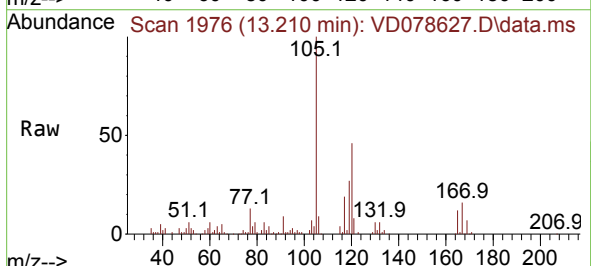
Acq: 11 Mar 2024 12:36

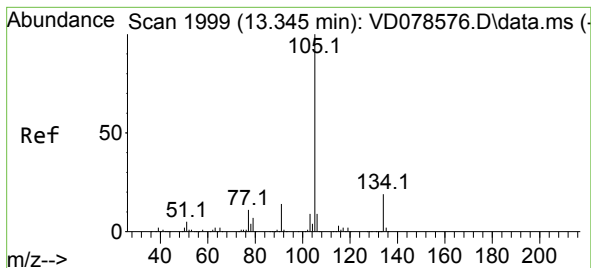
Tgt Ion:105 Resp: 110831

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.9





#85

sec-Butylbenzene

Concen: 19.307 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

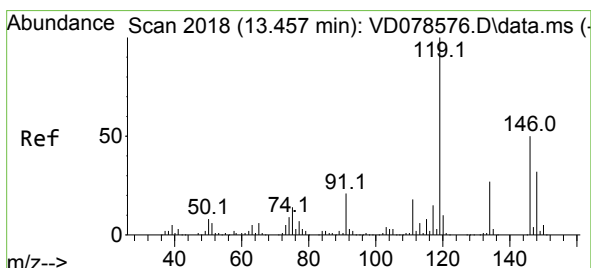
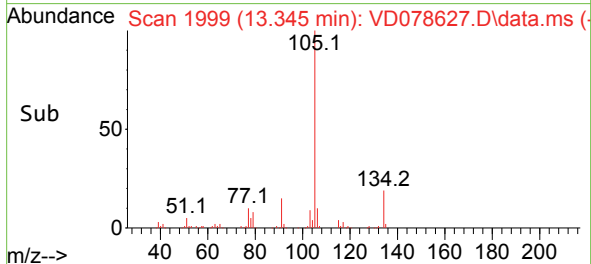
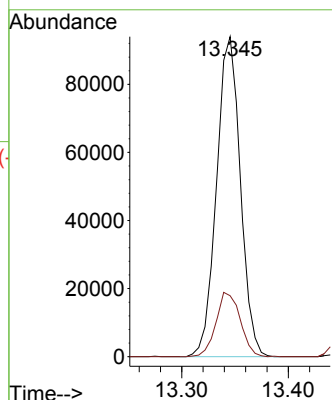
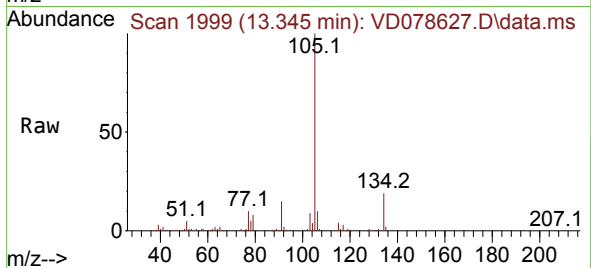
VD0311SBSD01

Tgt Ion:105 Resp: 145648

Ion Ratio Lower Upper

105 100

134 20.5 10.9 32.9



#86

p-Isopropyltoluene

Concen: 19.169 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

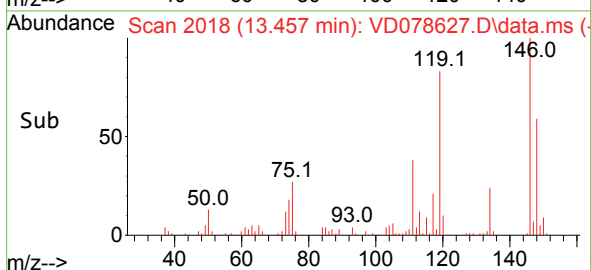
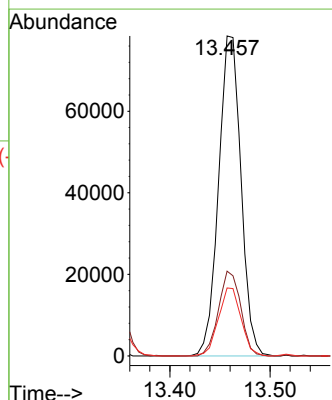
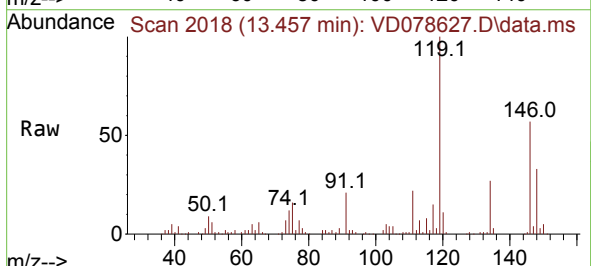
Tgt Ion:119 Resp: 121734

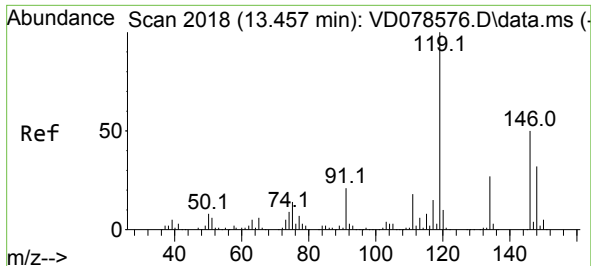
Ion Ratio Lower Upper

119 100

134 26.2 14.2 42.6

91 21.5 10.5 31.5

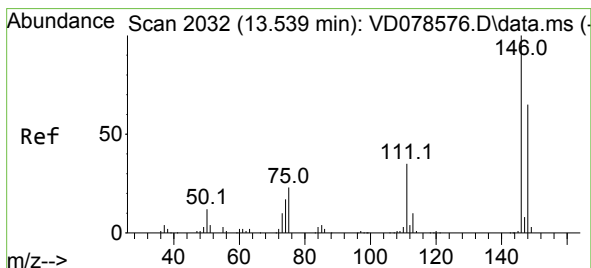
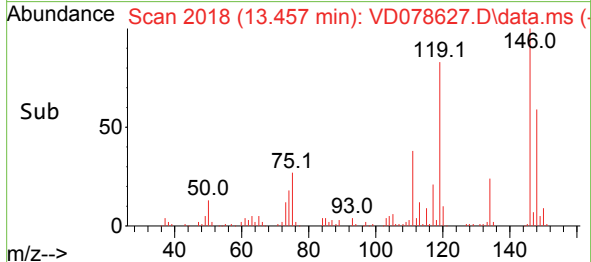
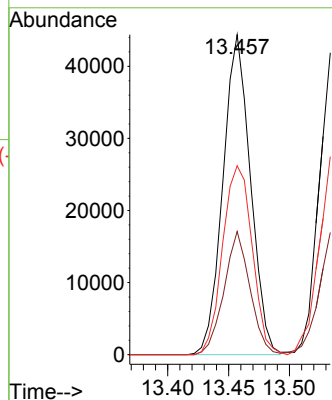
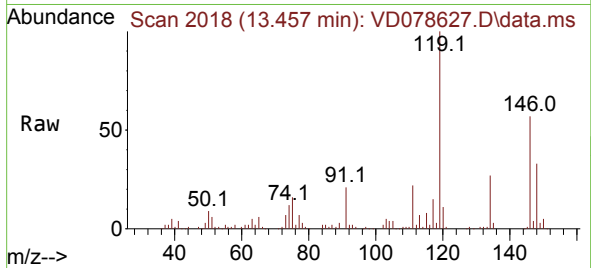




#87  
1,3-Dichlorobenzene  
Concen: 19.592 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

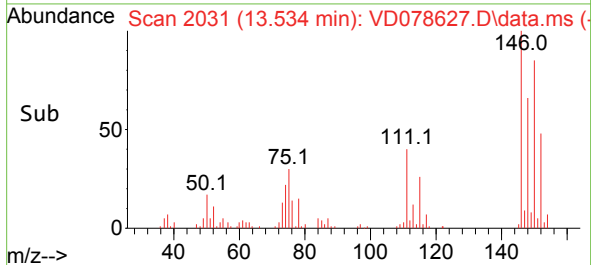
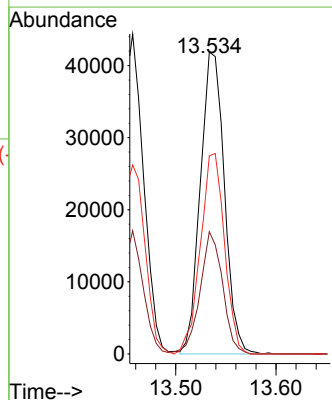
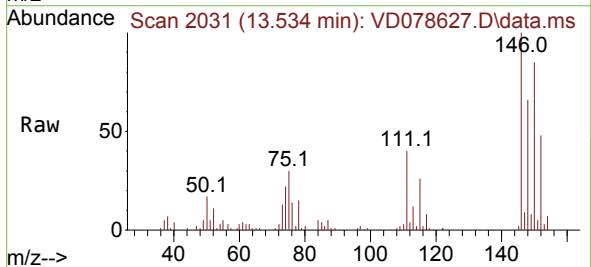
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBS01

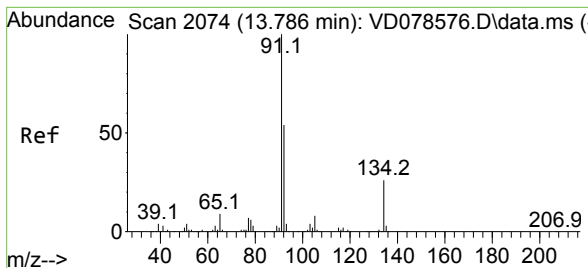
Tgt Ion:146 Resp: 69871  
Ion Ratio Lower Upper  
146 100  
111 36.4 17.9 53.8  
148 63.4 32.3 96.8



#88  
1,4-Dichlorobenzene  
Concen: 19.580 ug/l  
RT: 13.534 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Tgt Ion:146 Resp: 69959  
Ion Ratio Lower Upper  
146 100  
111 38.0 17.4 52.3  
148 66.7 31.7 95.1





#89

n-Butylbenzene

Concen: 18.512 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

VD0311SBSD01

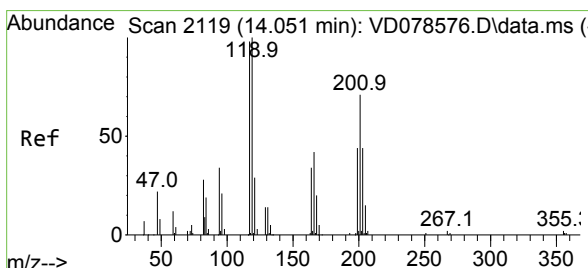
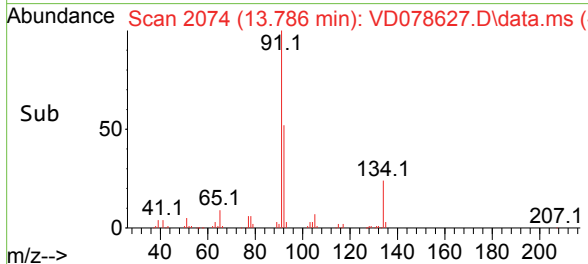
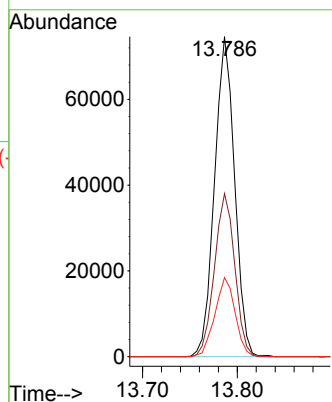
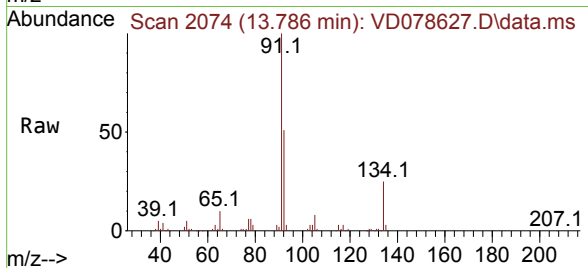
Tgt Ion: 91 Resp: 109865

Ion Ratio Lower Upper

91 100

92 51.6 26.5 79.5

134 25.0 13.8 41.3



#90

Hexachloroethane

Concen: 19.481 ug/l

RT: 14.051 min Scan# 2119

Delta R.T. 0.000 min

Lab File: VD078627.D

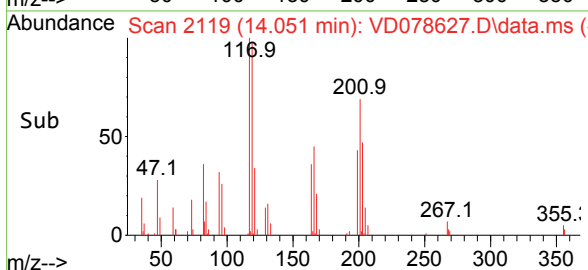
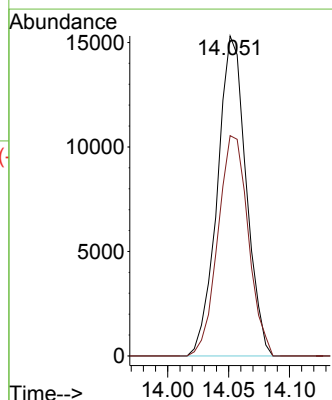
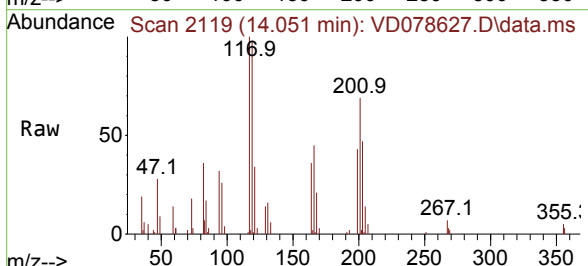
Acq: 11 Mar 2024 12:36

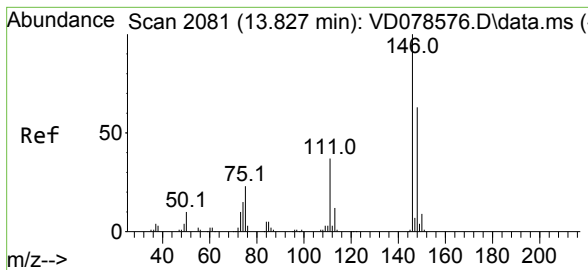
Tgt Ion: 117 Resp: 25155

Ion Ratio Lower Upper

117 100

201 72.7 38.5 115.5

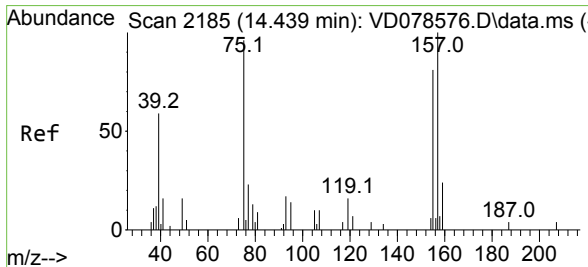
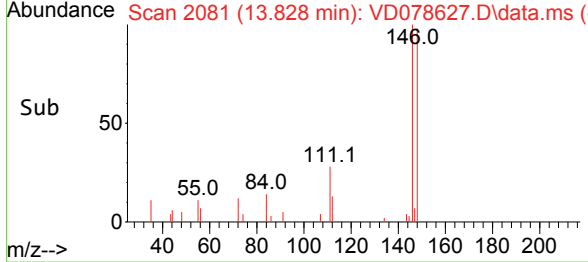
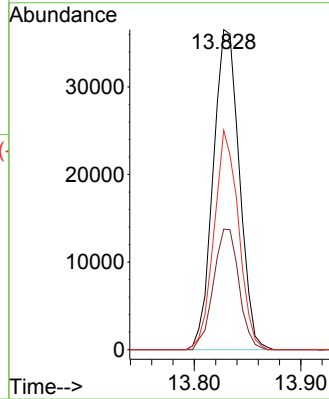
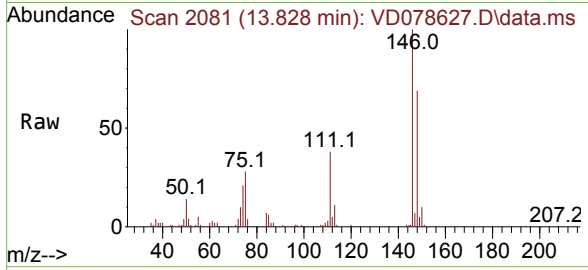




#91  
 1,2-Dichlorobenzene  
 Concen: 20.567 ug/l  
 RT: 13.828 min Scan# 2081  
 Delta R.T. 0.000 min  
 Lab File: VD078627.D  
 Acq: 11 Mar 2024 12:36

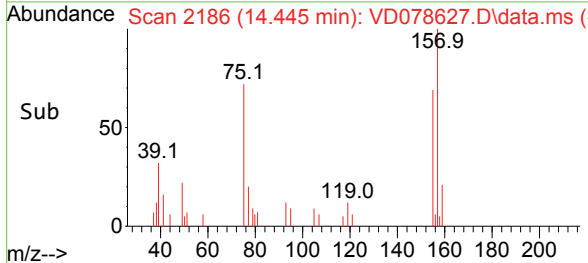
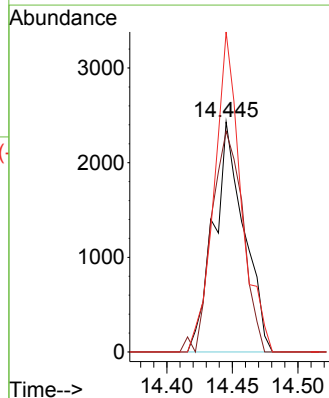
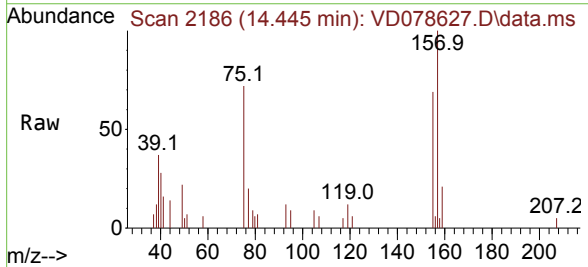
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0311SBSD01

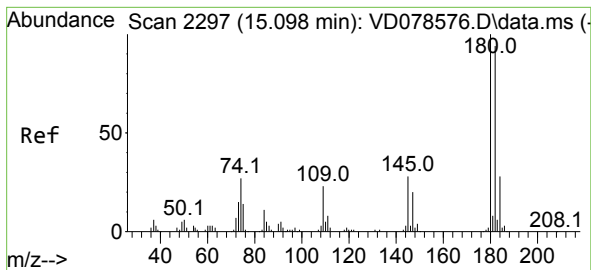
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 62304 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 36.8  | 18.3  | 54.8  |
| 148      | 64.1  | 31.6  | 94.7  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 22.215 ug/l  
 RT: 14.445 min Scan# 2186  
 Delta R.T. 0.006 min  
 Lab File: VD078627.D  
 Acq: 11 Mar 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 3915  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 99.0  | 47.9  | 143.8 |
| 157      | 122.6 | 59.9  | 179.7 |





#93

1,2,4-Trichlorobenzene

Concen: 19.532 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

Instrument :

MSVOA\_D

ClientSampleId :

VD0311SBSD01

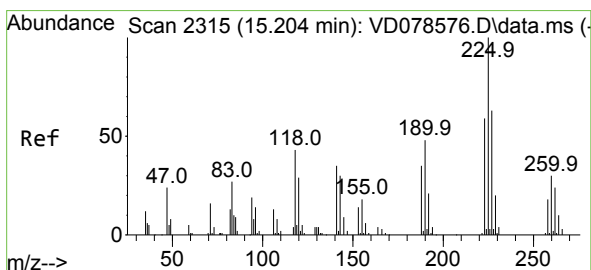
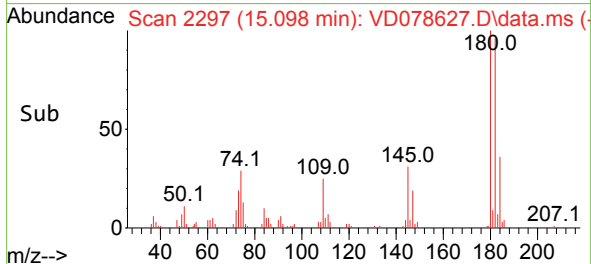
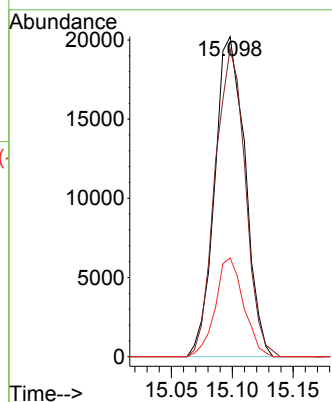
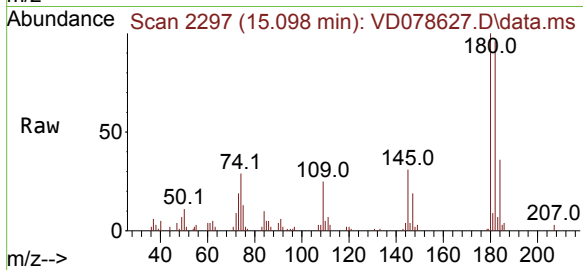
Tgt Ion:180 Resp: 35038

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.6

145 28.7 14.2 42.6



#94

Hexachlorobutadiene

Concen: 19.550 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD078627.D

Acq: 11 Mar 2024 12:36

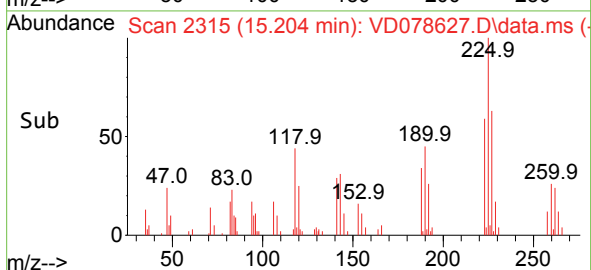
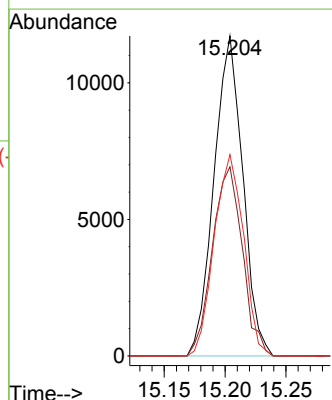
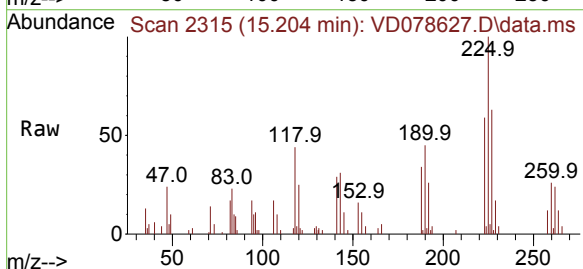
Tgt Ion:225 Resp: 19296

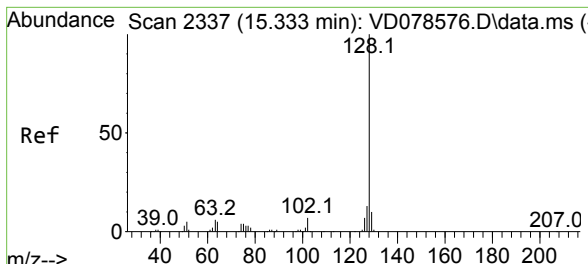
Ion Ratio Lower Upper

225 100

223 61.5 31.6 94.8

227 64.1 31.7 95.1

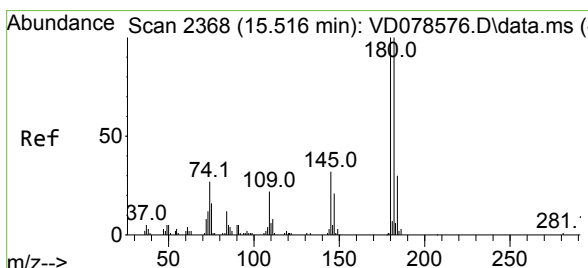
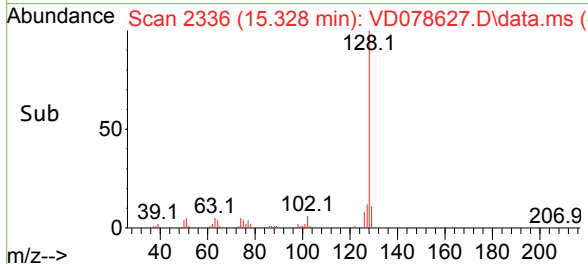
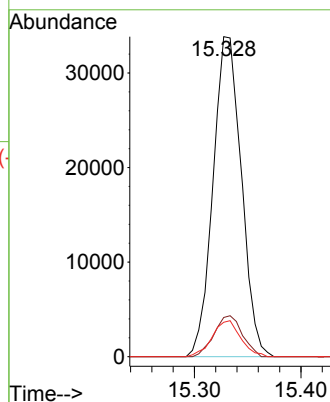
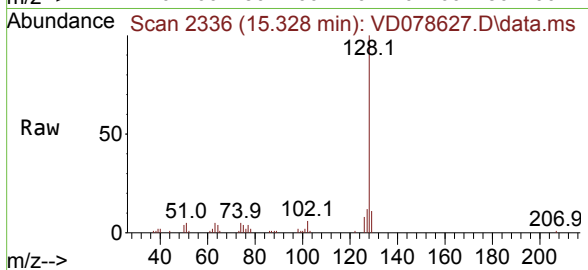




#95  
Naphthalene  
Concen: 19.686 ug/l  
RT: 15.328 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0311SBSD01

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 62402     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 12.3  | 10.5 15.7 |
| 129         | 10.8  | 8.7 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 19.773 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. 0.006 min  
Lab File: VD078627.D  
Acq: 11 Mar 2024 12:36

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 31501      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 93.2  | 47.3 141.9 |
| 145         | 30.1  | 15.1 45.3  |

