

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072924\  
 Data File : VD079439.D  
 Acq On : 29 Jul 2024 16:28  
 Operator : RP/MD  
 Sample : VSTDICC010  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC010

Quant Time: Jul 30 03:02:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 02:34:50 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 240010     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 402519     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 374497     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 188522     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 26279      | 10.778   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 21.560%# |        |          |
| 35) Dibromofluoromethane     | 7.799          | 113  | 28357      | 10.408   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 20.820%# |        |          |
| 50) Toluene-d8               | 10.263         | 98   | 104870     | 9.912    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 19.820%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.569         | 95   | 29834      | 9.744    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 19.480%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 19213      | 10.217   | ug/l   | 93       |
| 3) Chloromethane             | 2.146          | 50   | 35573      | 10.266   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.281          | 62   | 40448      | 9.818    | ug/l   | 89       |
| 5) Bromomethane              | 2.681          | 94   | 27861      | 8.529    | ug/l   | 96       |
| 6) Chloroethane              | 2.828          | 64   | 25346      | 9.574    | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.170          | 101  | 41071      | 10.024   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.593          | 74   | 11105      | 8.973    | ug/l   | 76       |
| 9) 1,1,2-Trichlorotrifluo... | 3.964          | 101  | 25791      | 9.953    | ug/l   | 97       |
| 10) Methyl Iodide            | 4.158          | 142  | 25194      | 9.167    | ug/l # | 95       |
| 11) Tert butyl alcohol       | 5.064          | 59   | 6951       | 46.293   | ug/l # | 86       |
| 12) 1,1-Dichloroethene       | 3.934          | 96   | 24664      | 9.511    | ug/l   | 96       |
| 13) Acrolein                 | 3.799          | 56   | 11811      | 50.983   | ug/l   | 95       |
| 14) Allyl chloride           | 4.558          | 41   | 30316      | 8.853    | ug/l   | 92       |
| 15) Acrylonitrile            | 5.258          | 53   | 27785      | 48.043   | ug/l   | 93       |
| 16) Acetone                  | 4.022          | 43   | 23174      | 48.905   | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.264          | 76   | 81987      | 9.578    | ug/l   | 99       |
| 18) Methyl Acetate           | 4.564          | 43   | 14963      | 10.170   | ug/l # | 88       |
| 19) Methyl tert-butyl Ether  | 5.311          | 73   | 47065      | 8.891    | ug/l # | 90       |
| 20) Methylene Chloride       | 4.793          | 84   | 93073      | 17.141   | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 5.305          | 96   | 26583      | 9.125    | ug/l   | 87       |
| 22) Diisopropyl ether        | 6.216          | 45   | 69210      | 9.084    | ug/l # | 93       |
| 23) Vinyl Acetate            | 6.158          | 43   | 245705     | 42.899   | ug/l # | 89       |
| 24) 1,1-Dichloroethane       | 6.111          | 63   | 48808      | 9.559    | ug/l   | 97       |
| 25) 2-Butanone               | 7.087          | 43   | 31453      | 46.819   | ug/l # | 85       |
| 26) 2,2-Dichloropropane      | 7.063          | 77   | 39367      | 9.532    | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.075          | 96   | 30754      | 9.236    | ug/l   | 89       |
| 28) Bromochloromethane       | 7.428          | 49   | 23874      | 10.663   | ug/l # | 78       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 18620      | 44.724   | ug/l # | 85       |
| 30) Chloroform               | 7.599          | 83   | 49271      | 9.529    | ug/l   | 98       |
| 31) Cyclohexane              | 7.875          | 56   | 37781      | 9.330    | ug/l # | 85       |
| 32) 1,1,1-Trichloroethane    | 7.787          | 97   | 41254      | 9.669    | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.005          | 75   | 34612      | 9.308    | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.163          | 43   | 14173      | 9.296    | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 36679      | 9.383    | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.275          | 83   | 37770      | 8.513    | ug/l   | 96       |
| 40) Benzene                  | 8.252          | 78   | 110068     | 9.319    | ug/l   | 97       |

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC010

Quant Time: Jul 30 03:02:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 02:34:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 7190     | 8.574   | ug/l # | 82       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 27700    | 9.842   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 26252    | 9.162   | ug/l # | 78       |
| 44) Trichloroethene           | 9.028  | 130  | 28136    | 9.570   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 26354    | 9.169   | ug/l   | 98       |
| 46) Dibromomethane            | 9.393  | 93   | 15353    | 9.635   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.587  | 83   | 37690    | 9.633   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 10961    | 8.548   | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 3107     | 188.180 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 66771    | 45.642  | ug/l   | 92       |
| 52) Toluene                   | 10.334 | 92   | 64715    | 8.860   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 33554    | 9.287   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 38990    | 8.971   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.728 | 97   | 19708    | 9.389   | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.593 | 69   | 20807    | 8.366   | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 33863    | 9.494   | ug/l   | 95       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 53434    | 46.587  | ug/l   | 91       |
| 59) 2-Hexanone                | 10.916 | 43   | 44678    | 43.790  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.069 | 129  | 26622    | 9.709   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 18922    | 9.623   | ug/l   | 94       |
| 64) Tetrachloroethene         | 10.810 | 164  | 24609    | 9.745   | ug/l   | 89       |
| 65) Chlorobenzene             | 11.604 | 112  | 77837    | 9.386   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 24853    | 9.109   | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.681 | 91   | 115597   | 8.515   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 94076    | 17.467  | ug/l   | 99       |
| 69) o-Xylene                  | 12.116 | 106  | 40122    | 8.127   | ug/l   | 86       |
| 70) Styrene                   | 12.134 | 104  | 74194    | 8.572   | ug/l   | 98       |
| 71) Bromoform                 | 12.298 | 173  | 16062    | 10.413  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.416 | 105  | 105842   | 10.580  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.234 | 43   | 23936    | 8.632   | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 23941    | 9.775   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 27883    | 16.858  | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 30031    | 9.500   | ug/l   | 96       |
| 78) n-propylbenzene           | 12.757 | 91   | 132904   | 8.434   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 75636    | 8.620   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.898 | 105  | 87942    | 8.374   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.463 | 75   | 7905     | 9.149   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.946 | 91   | 78002    | 8.527   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 77801    | 10.721  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 88925    | 10.439  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.340 | 105  | 118649   | 8.494   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 98529    | 10.761  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 59230    | 9.046   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 60894    | 9.459   | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.787 | 91   | 91545    | 10.715  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 22248    | 9.107   | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 51706    | 9.240   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.440 | 75   | 2994     | 9.188   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.092 | 180  | 29428    | 8.346   | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 17334    | 9.109   | ug/l   | 98       |
| 95) Naphthalene               | 15.328 | 128  | 53408    | 8.752   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 27609    | 8.902   | ug/l   | 95       |

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Sample : VSTDICC010  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Tue Jul 30 02:34:50 2024  
Response via : Initial Calibration

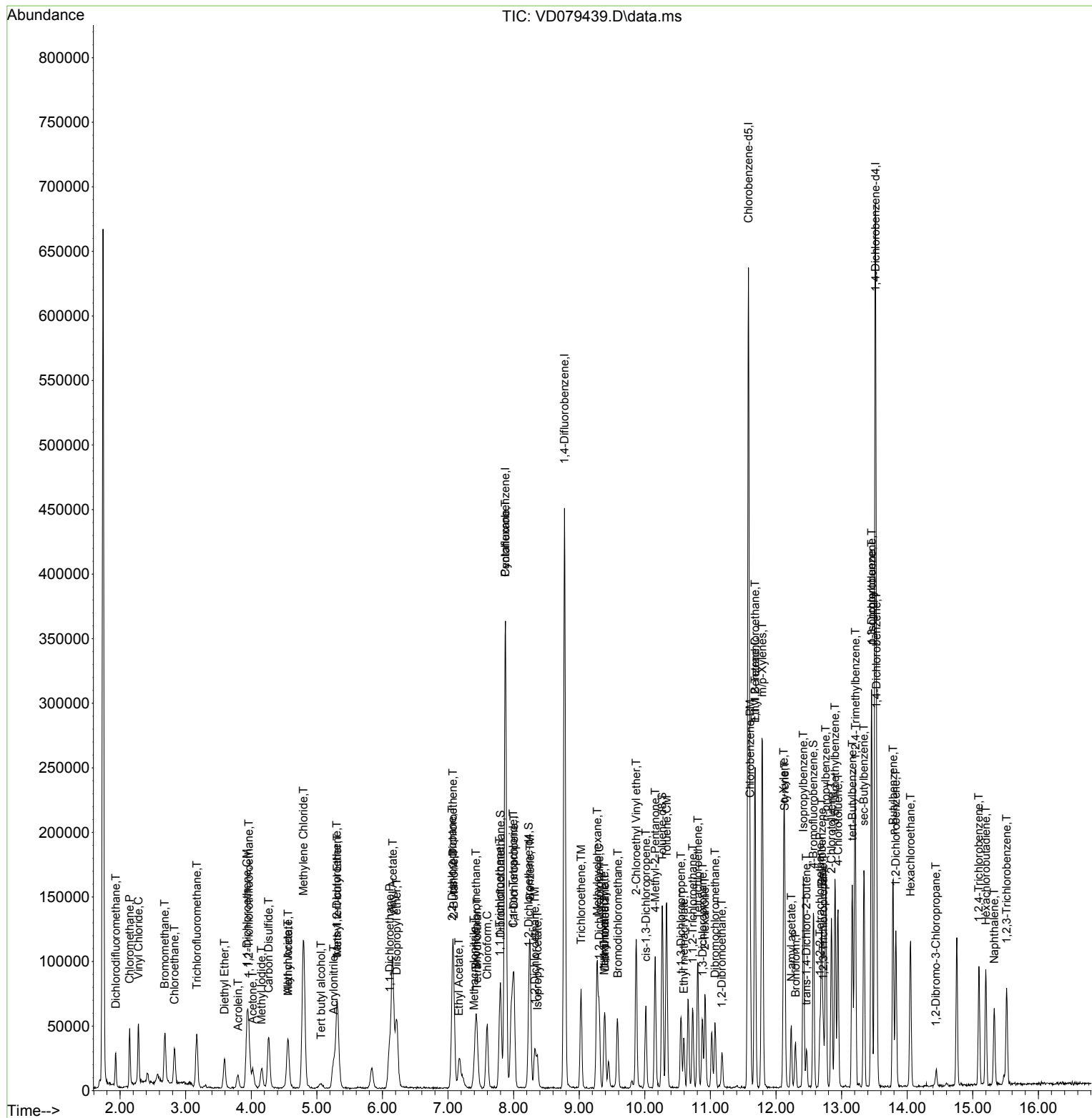
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

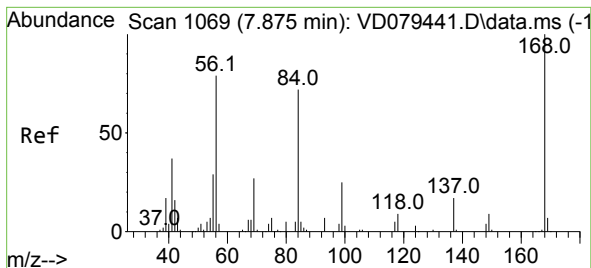
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

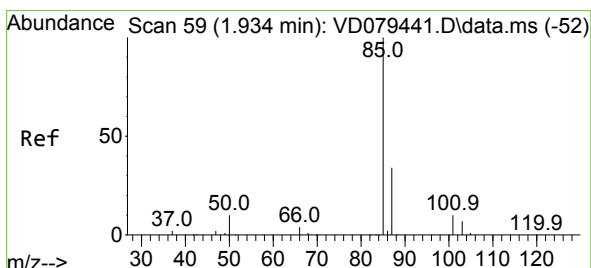
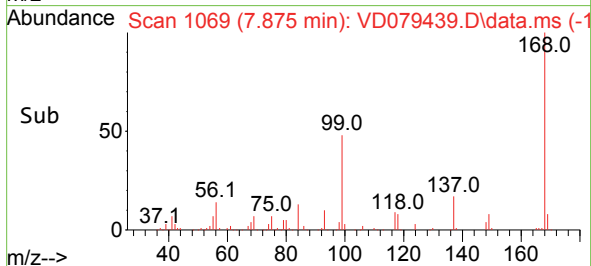
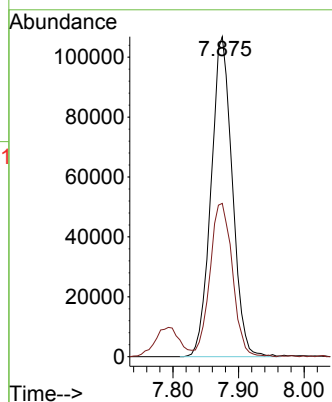
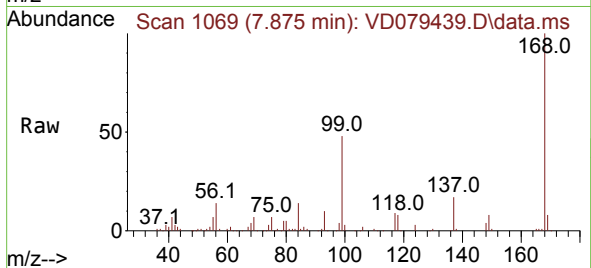
VSTDICC010

Tgt Ion:168 Resp: 240010

Ion Ratio Lower Upper

168 100

99 47.6 41.1 61.7



#2

Dichlorodifluoromethane

Concen: 10.217 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD079439.D

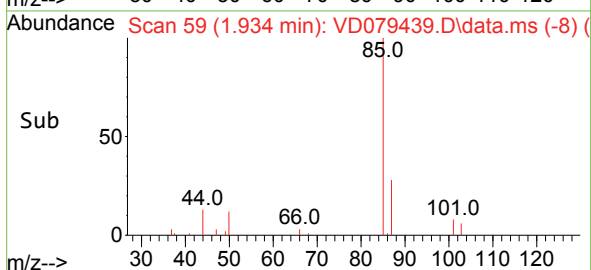
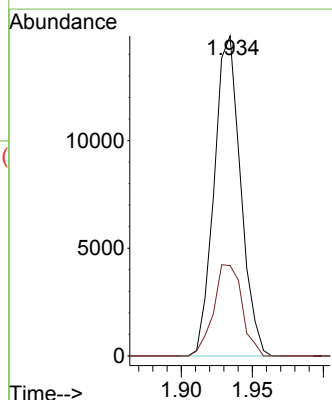
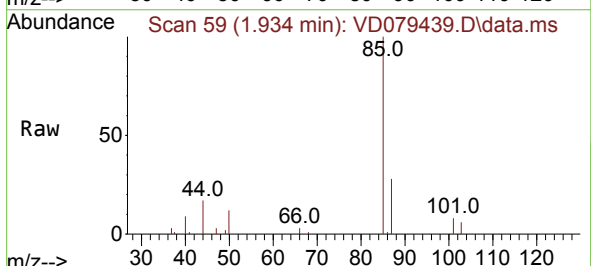
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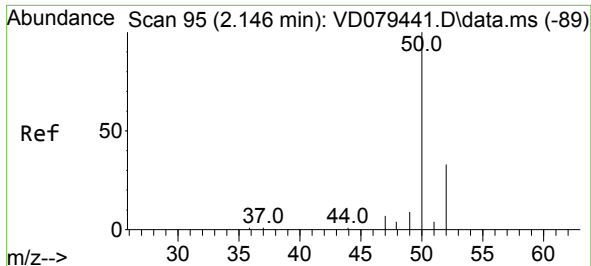
Tgt Ion: 85 Resp: 19213

Ion Ratio Lower Upper

85 100

87 28.2 16.0 48.0

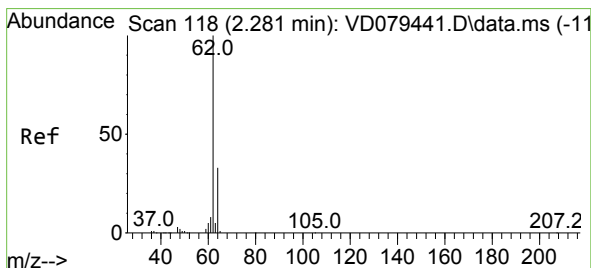
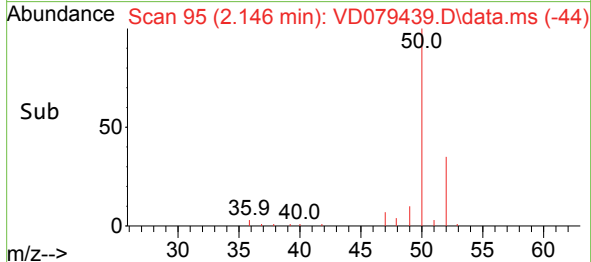
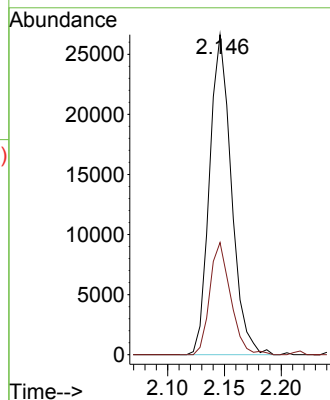
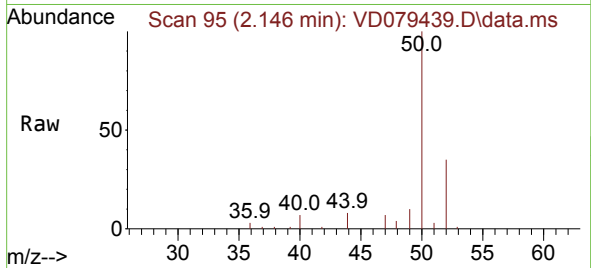




#3  
Chloromethane  
Concen: 10.266 ug/l  
RT: 2.146 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

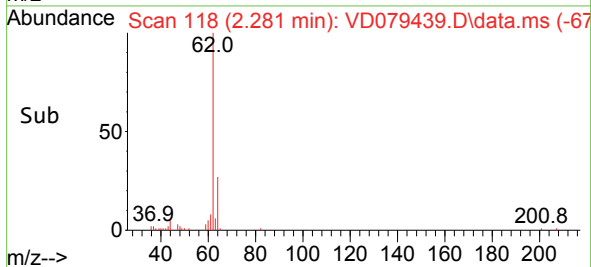
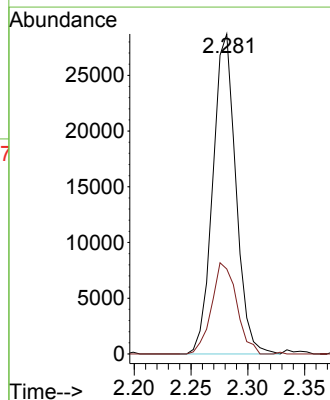
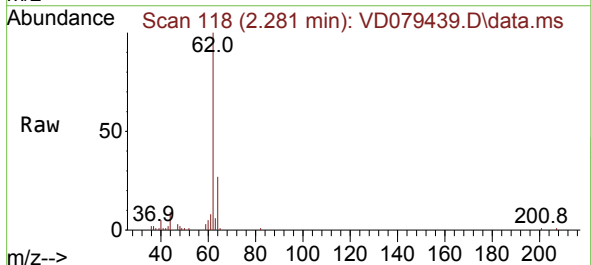
Instrument :  
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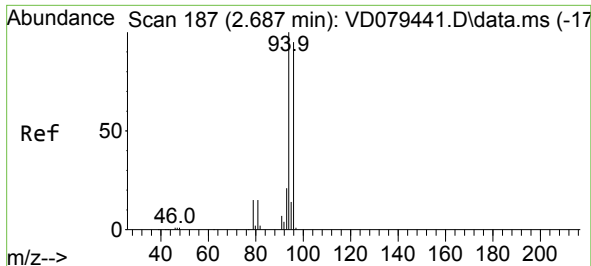
Tgt Ion: 50 Resp: 35573  
Ion Ratio Lower Upper  
50 100  
52 35.1 28.2 42.2



#4  
Vinyl Chloride  
Concen: 9.818 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 62 Resp: 40448  
Ion Ratio Lower Upper  
62 100  
64 26.6 26.3 39.5

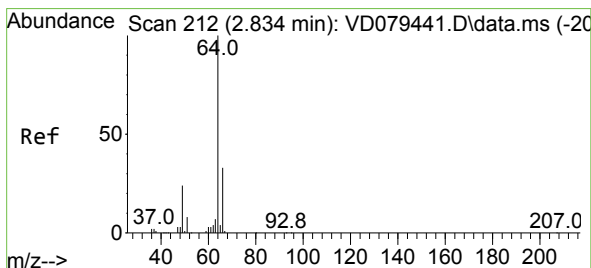
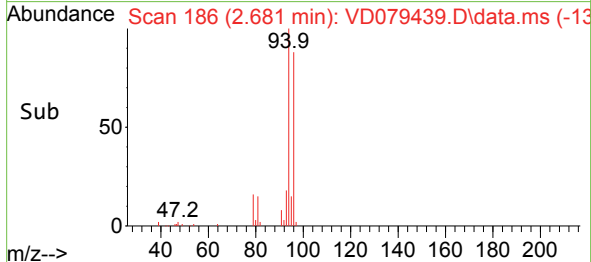
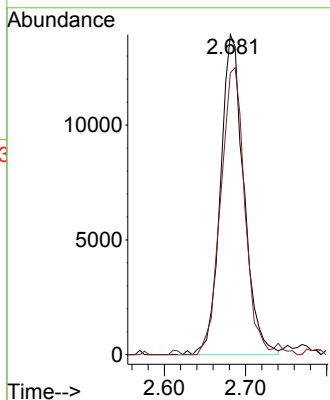
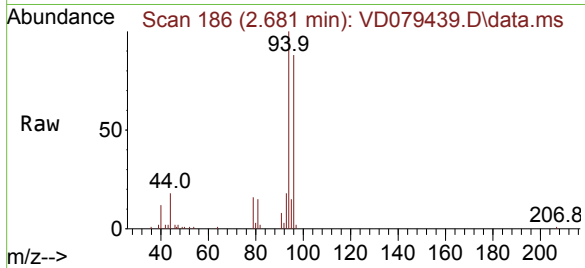




#5  
Bromomethane  
Concen: 8.529 ug/l  
RT: 2.681 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

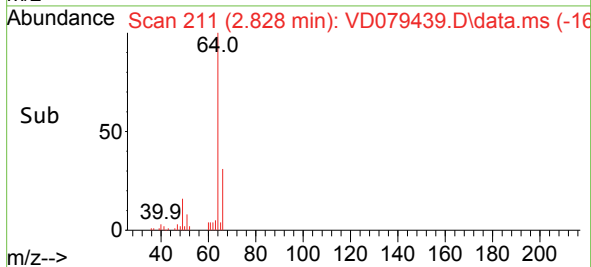
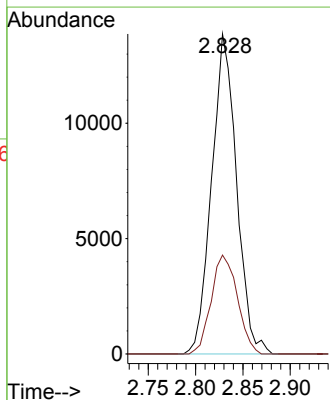
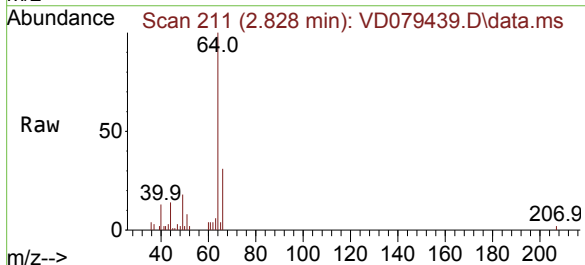
Instrument :  
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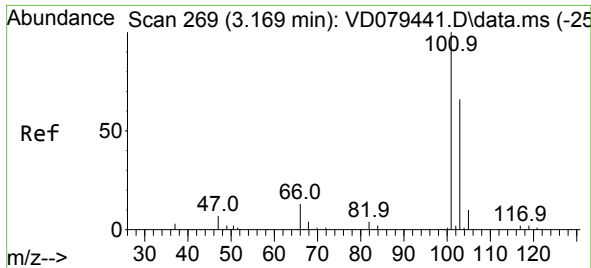
Tgt Ion: 94 Resp: 27861  
Ion Ratio Lower Upper  
94 100  
96 92.3 76.9 115.3



#6  
Chloroethane  
Concen: 9.574 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 64 Resp: 25346  
Ion Ratio Lower Upper  
64 100  
66 30.9 24.5 36.7

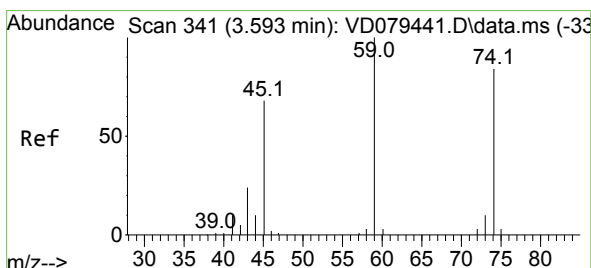
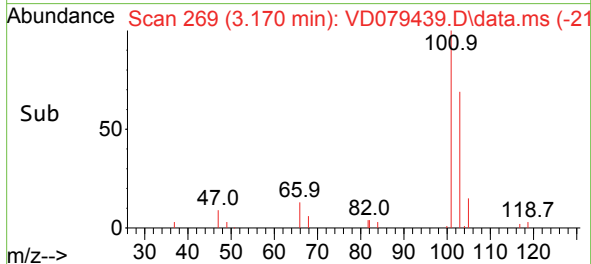
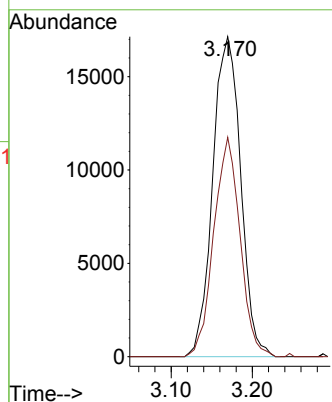
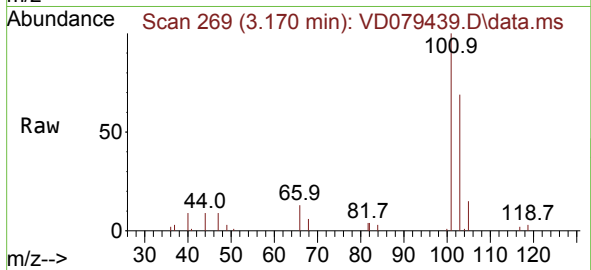




#7  
Trichlorofluoromethane  
Concen: 10.024 ug/l  
RT: 3.170 min Scan# 210  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

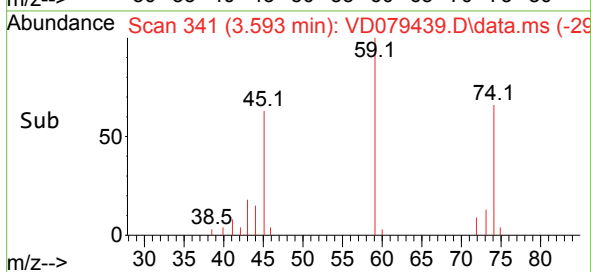
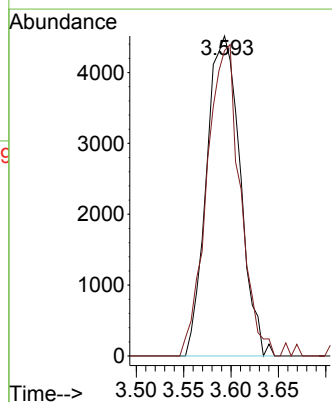
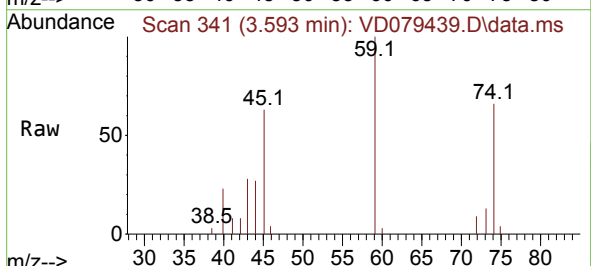
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

Tgt Ion:101 Resp: 41071  
Ion Ratio Lower Upper  
101 100  
103 68.6 53.2 79.8

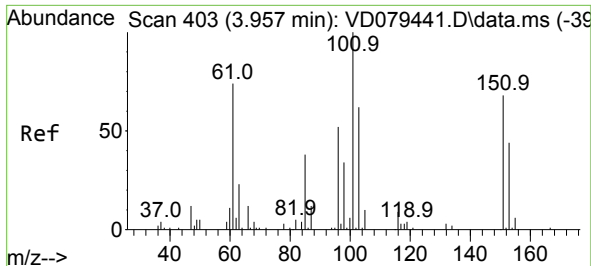


#8  
Diethyl Ether  
Concen: 8.973 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 74 Resp: 11105  
Ion Ratio Lower Upper  
74 100  
45 96.6 37.9 113.6



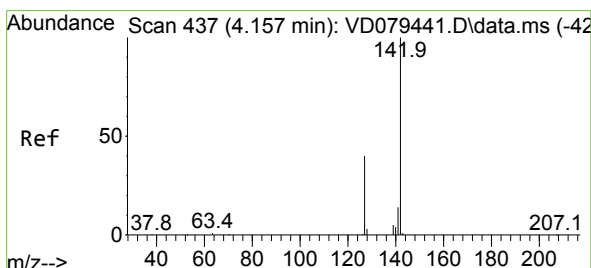
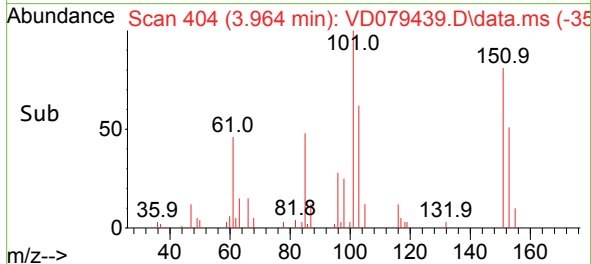
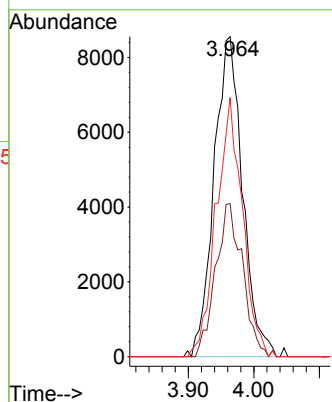
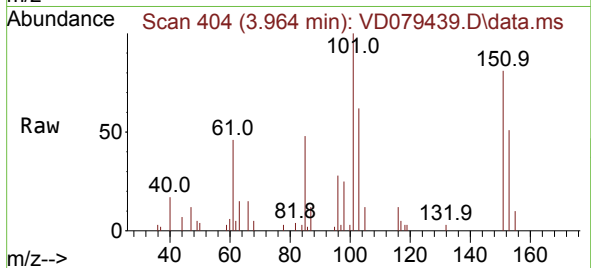




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.953 ug/l  
RT: 3.964 min Scan# 403  
Delta R.T. 0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

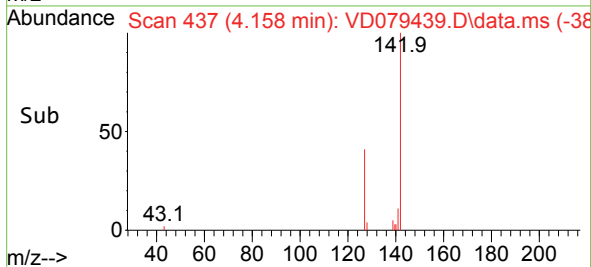
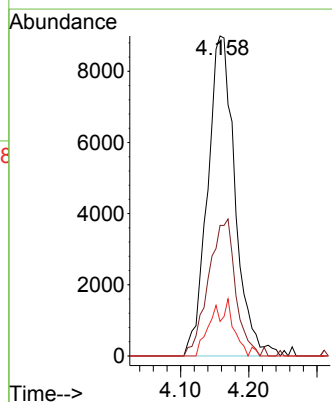
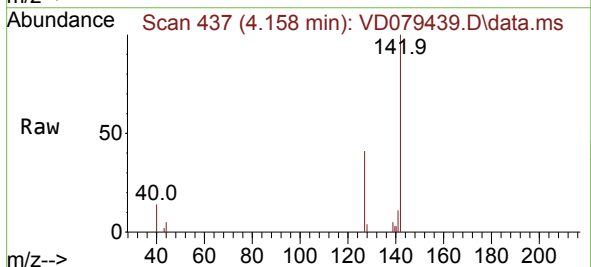
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

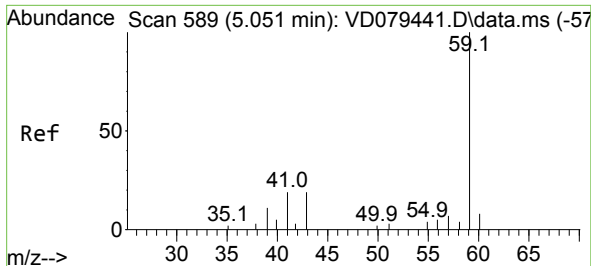
Tgt Ion:101 Resp: 25791  
Ion Ratio Lower Upper  
101 100  
85 45.3 33.5 50.3  
151 74.4 60.3 90.5



#10  
Methyl Iodide  
Concen: 9.167 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. 0.001 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion:142 Resp: 25194  
Ion Ratio Lower Upper  
142 100  
127 42.0 34.2 51.4  
141 7.3 11.7 17.5#

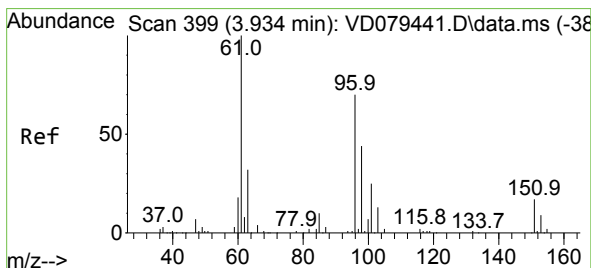
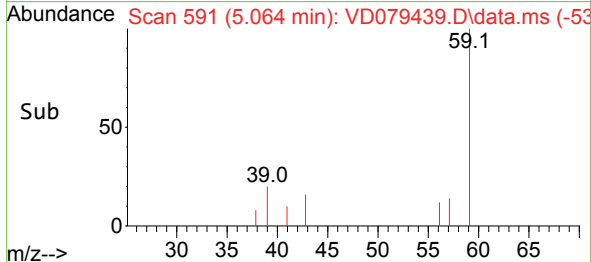
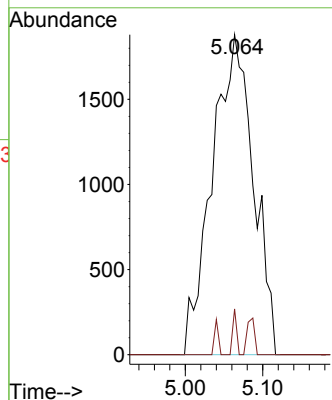
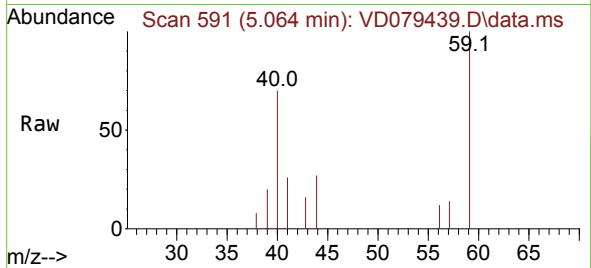




#11  
Tert butyl alcohol  
Concen: 46.293 ug/l  
RT: 5.064 min Scan# 591  
Delta R.T. 0.013 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

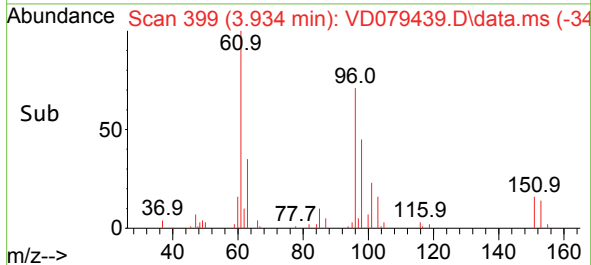
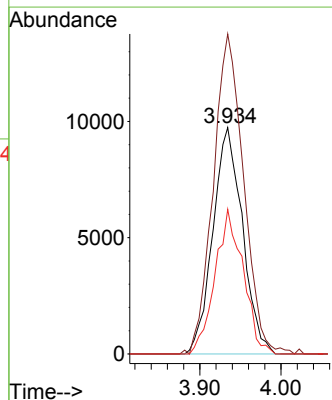
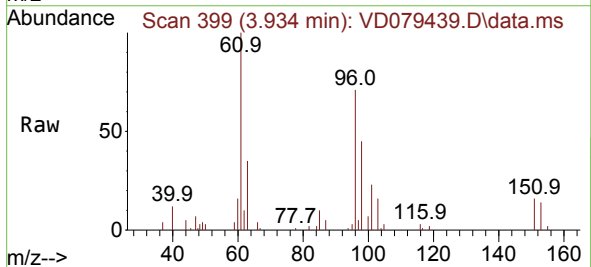
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

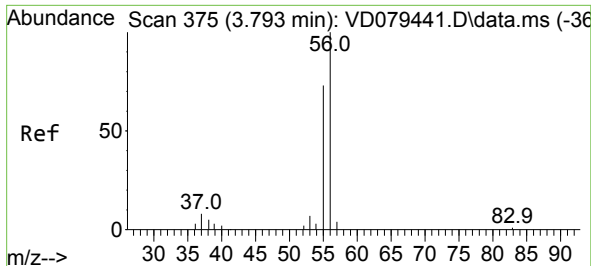
Tgt Ion: 59 Resp: 6951  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.6 5.4#



#12  
1,1-Dichloroethene  
Concen: 9.511 ug/l  
RT: 3.934 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 96 Resp: 24664  
Ion Ratio Lower Upper  
96 100  
61 141.4 107.3 160.9  
98 63.9 51.7 77.5





#13

Acrolein

Concen: 50.983 ug/l

RT: 3.799 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

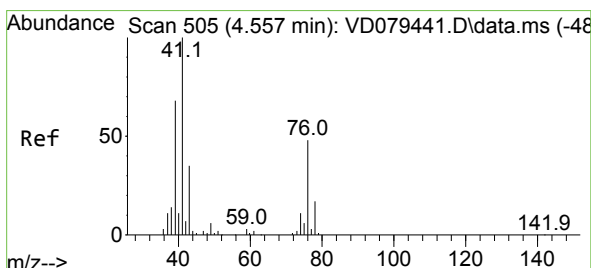
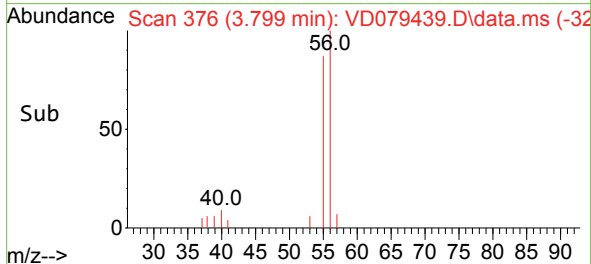
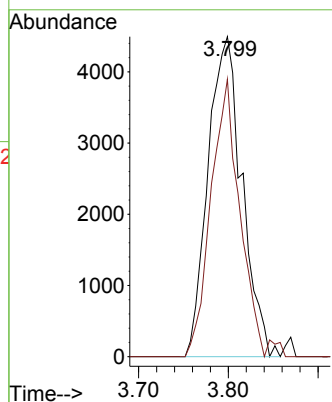
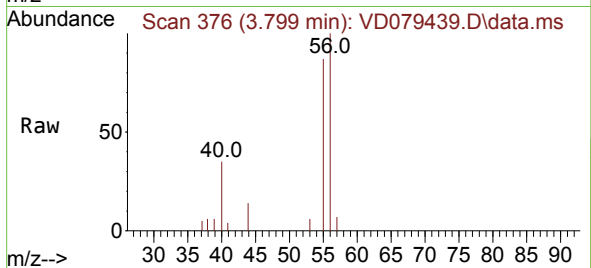
VSTDICC010

Tgt Ion: 56 Resp: 11811

Ion Ratio Lower Upper

56 100

55 73.3 55.3 82.9



#14

Allyl chloride

Concen: 8.853 ug/l

RT: 4.558 min Scan# 505

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

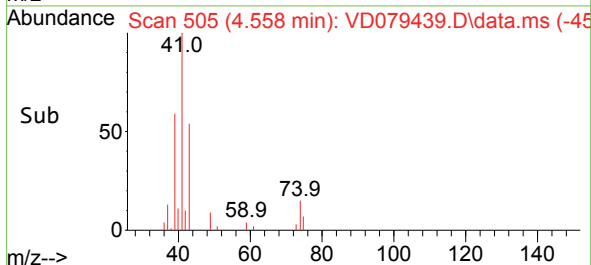
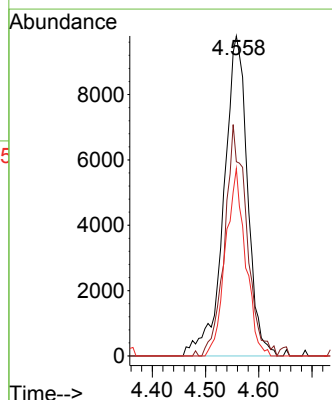
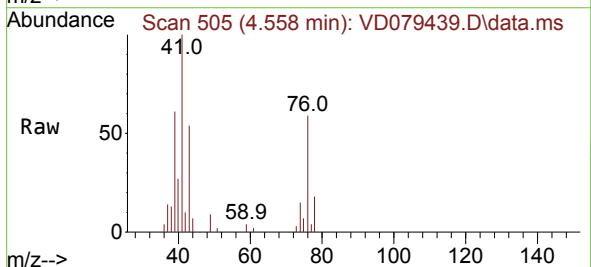
Tgt Ion: 41 Resp: 30316

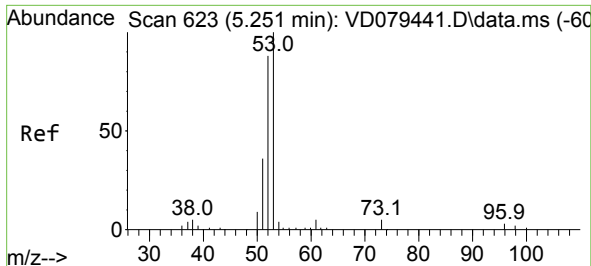
Ion Ratio Lower Upper

41 100

39 66.9 58.0 87.0

76 49.6 45.9 68.9

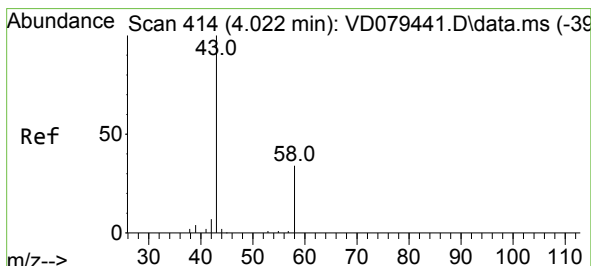
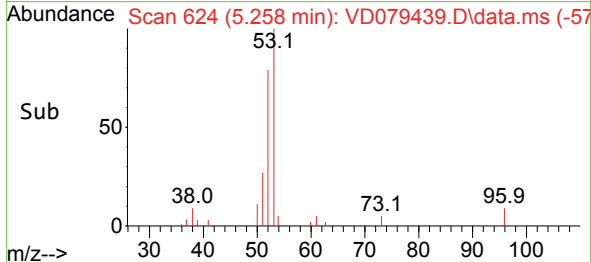
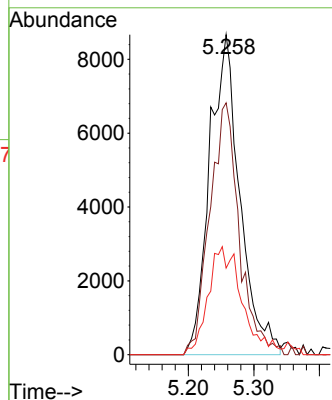
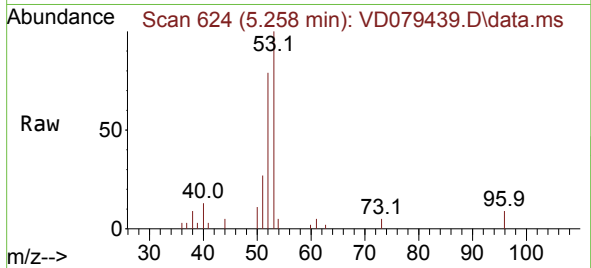




#15  
Acrylonitrile  
Concen: 48.043 ug/l  
RT: 5.258 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

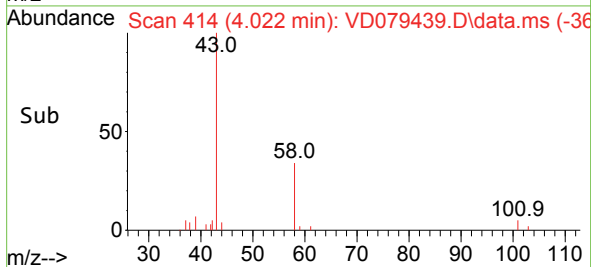
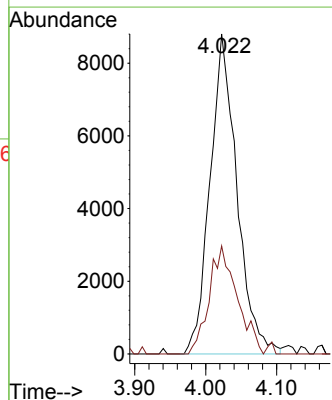
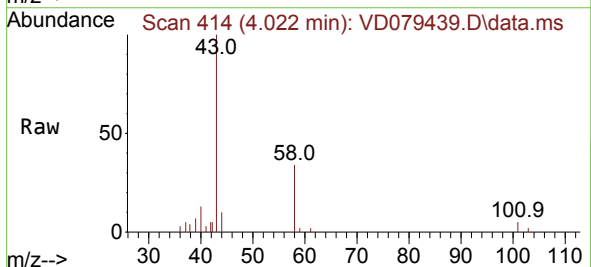
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

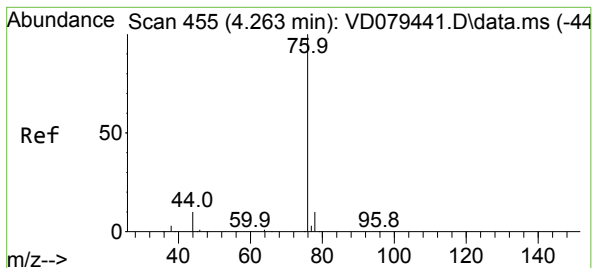
|             |                 |
|-------------|-----------------|
| Tgt Ion: 53 | Resp: 27785     |
| Ion Ratio   | Lower Upper     |
| 53          | 100             |
| 52          | 76.5 67.7 101.5 |
| 51          | 37.7 28.6 42.8  |



#16  
Acetone  
Concen: 48.905 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 23174    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 58          | 33.7 30.4 45.6 |





#17

Carbon Disulfide

Concen: 9.578 ug/l

RT: 4.264 min Scan# 4

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

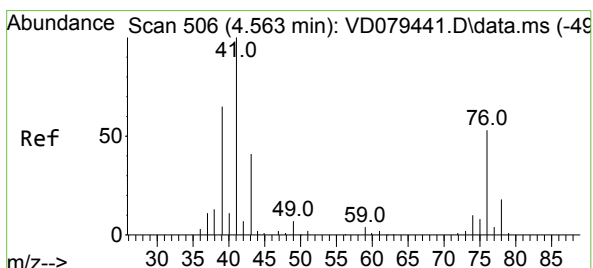
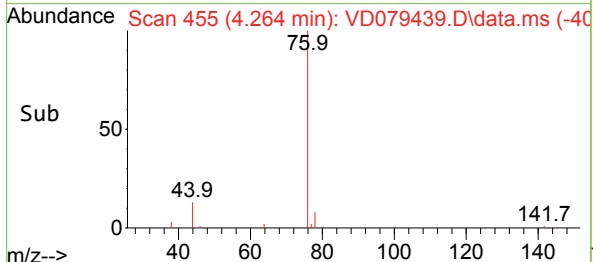
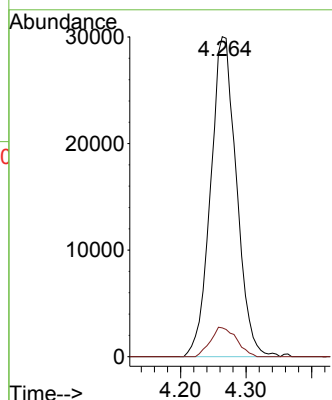
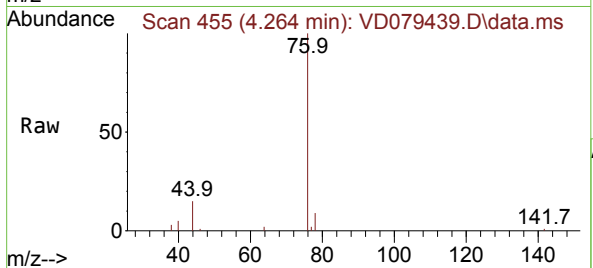
VSTDICC010

Tgt Ion: 76 Resp: 81987

Ion Ratio Lower Upper

76 100

78 9.0 6.9 10.3



#18

Methyl Acetate

Concen: 10.170 ug/l

RT: 4.564 min Scan# 506

Delta R.T. 0.000 min

Lab File: VD079439.D

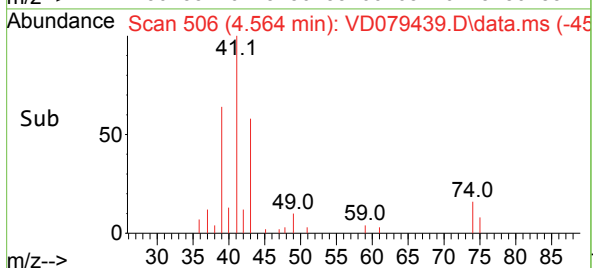
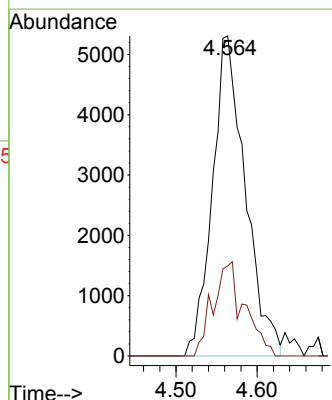
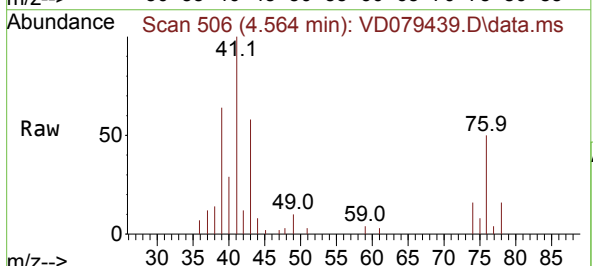
Acq: 29 Jul 2024 16:28

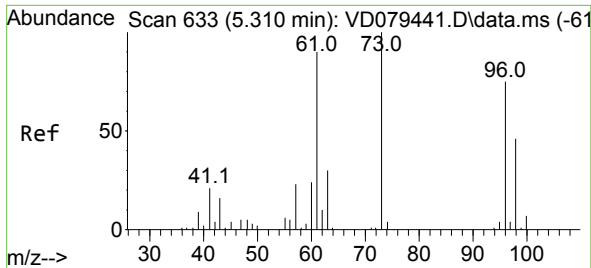
Tgt Ion: 43 Resp: 14963

Ion Ratio Lower Upper

43 100

74 28.0 28.1 42.1#





#19

Methyl tert-butyl Ether

Concen: 8.891 ug/l

RT: 5.311 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

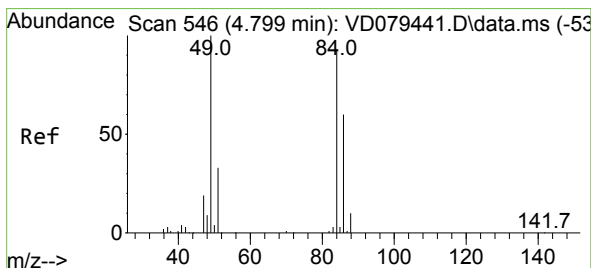
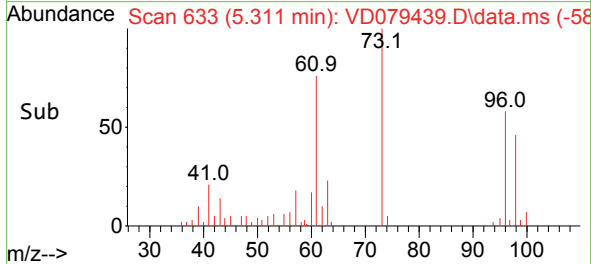
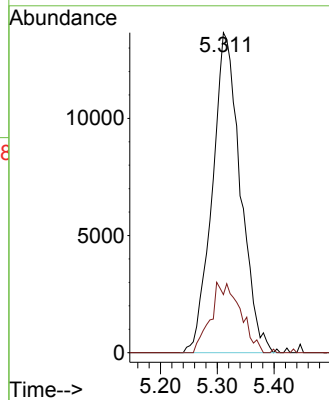
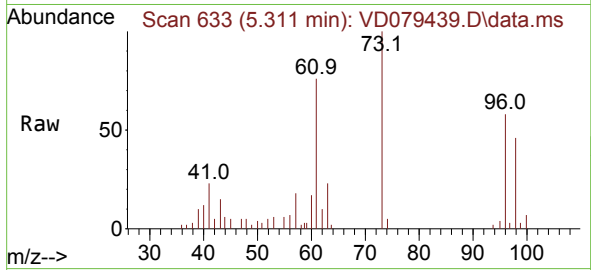
VSTDIC010

Tgt Ion: 73 Resp: 47065

Ion Ratio Lower Upper

73 100

57 18.2 18.3 27.5#



#20

Methylene Chloride

Concen: 17.141 ug/l

RT: 4.793 min Scan# 545

Delta R.T. -0.006 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Tgt Ion: 84 Resp: 93073

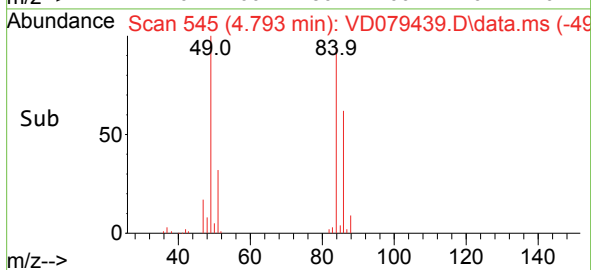
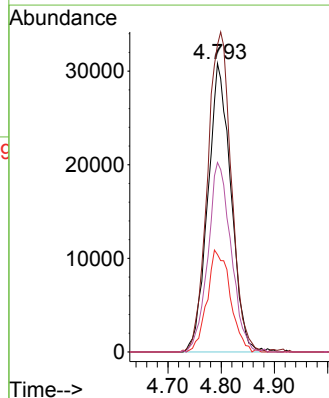
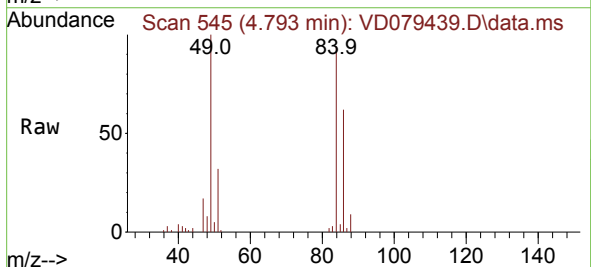
Ion Ratio Lower Upper

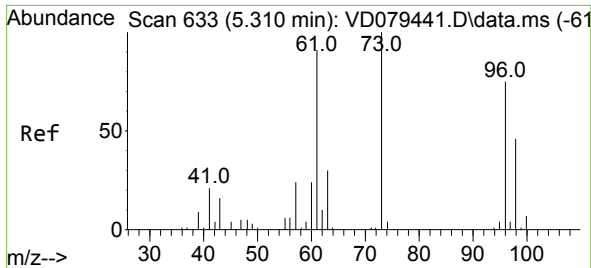
84 100

49 106.4 75.6 113.4

51 33.8 24.2 36.2

86 65.7 49.2 73.8

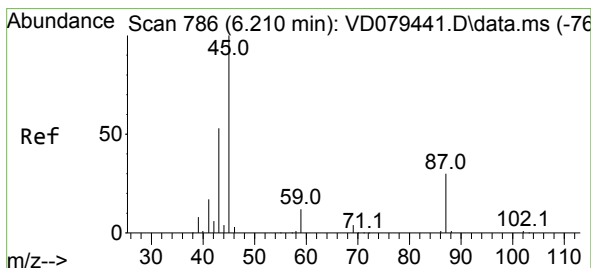
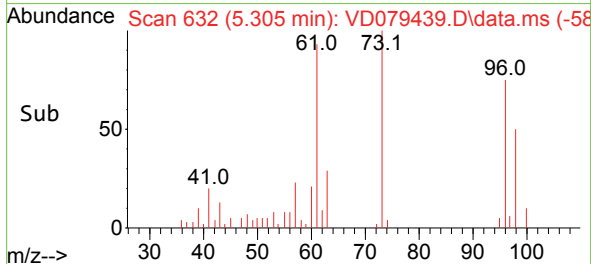
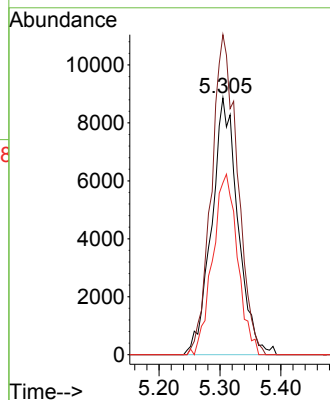
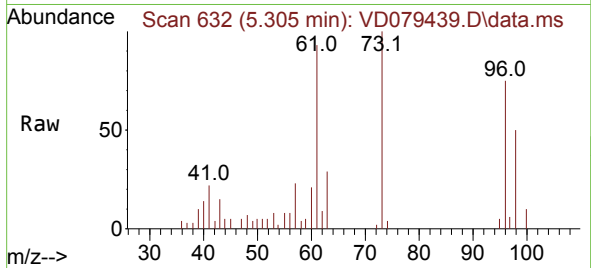




#21  
trans-1,2-Dichloroethene  
Concen: 9.125 ug/l  
RT: 5.305 min Scan# 611  
Delta R.T. -0.005 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

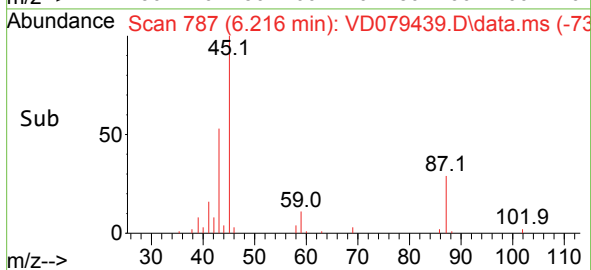
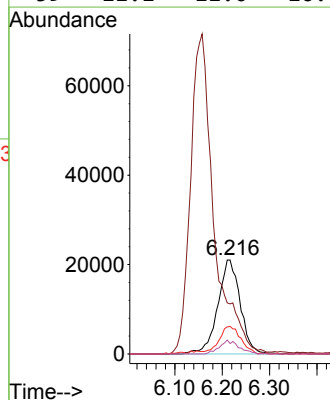
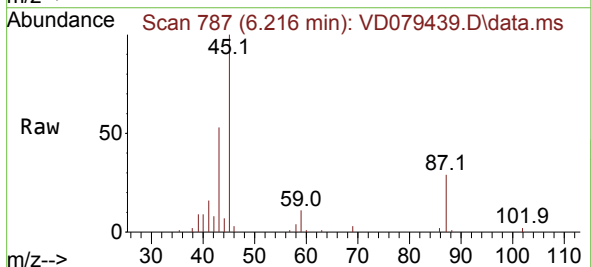
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

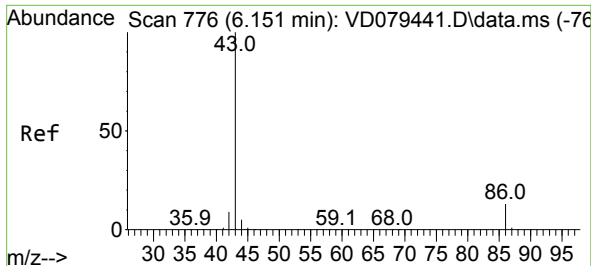
Tgt Ion: 96 Resp: 26583  
Ion Ratio Lower Upper  
96 100  
61 124.6 84.5 126.7  
98 66.9 50.5 75.7



#22  
Diisopropyl ether  
Concen: 9.084 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 45 Resp: 69210  
Ion Ratio Lower Upper  
45 100  
43 50.6 41.7 62.5  
87 29.3 30.2 45.2#  
59 11.1 11.0 16.6

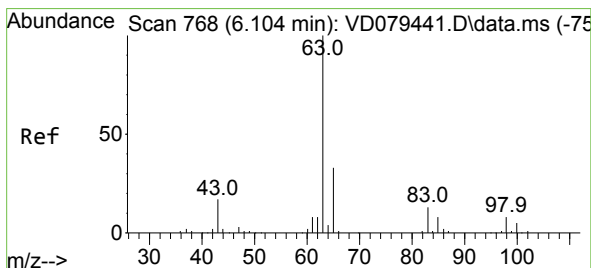
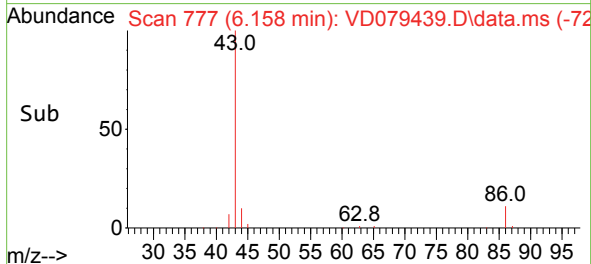
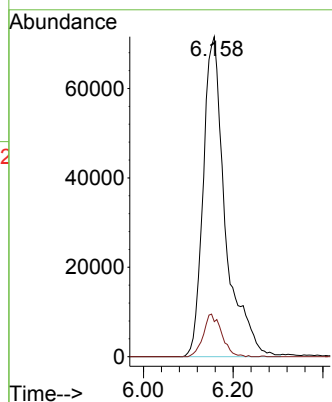
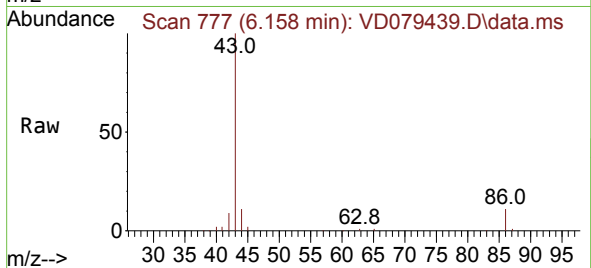




#23  
 Vinyl Acetate  
 Concen: 42.899 ug/l  
 RT: 6.158 min Scan# 777  
 Delta R.T. 0.006 min  
 Lab File: VD079439.D  
 Acq: 29 Jul 2024 16:28

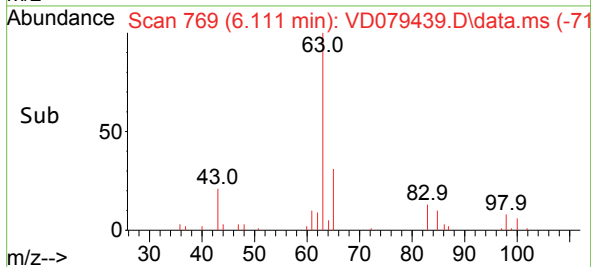
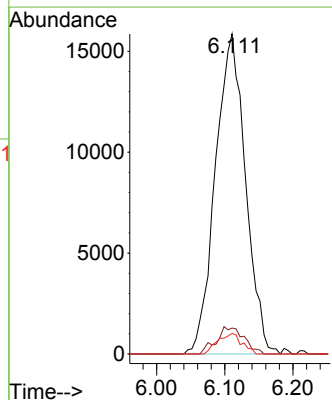
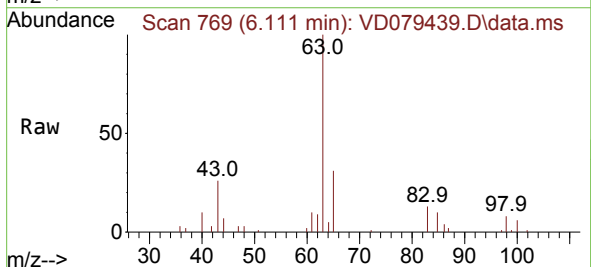
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

Tgt Ion: 43 Resp: 245705  
 Ion Ratio Lower Upper  
 43 100  
 86 11.0 12.3 18.5#

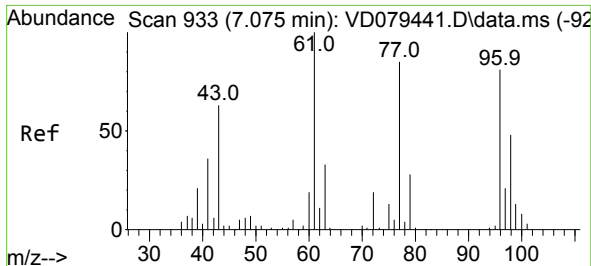


#24  
 1,1-Dichloroethane  
 Concen: 9.559 ug/l  
 RT: 6.111 min Scan# 769  
 Delta R.T. 0.006 min  
 Lab File: VD079439.D  
 Acq: 29 Jul 2024 16:28

Tgt Ion: 63 Resp: 48808  
 Ion Ratio Lower Upper  
 63 100  
 98 8.1 4.7 14.0  
 100 6.4 2.9 8.6



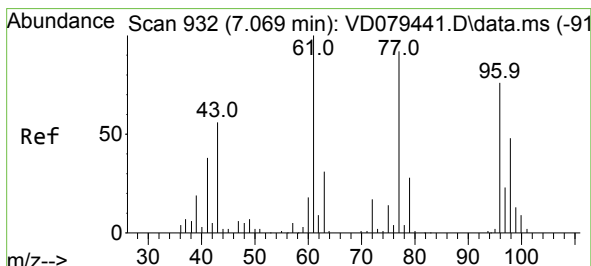
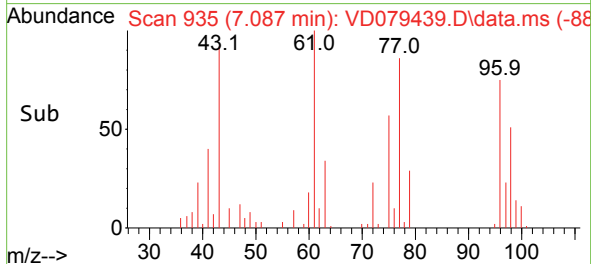
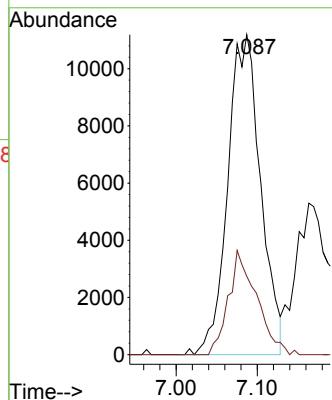
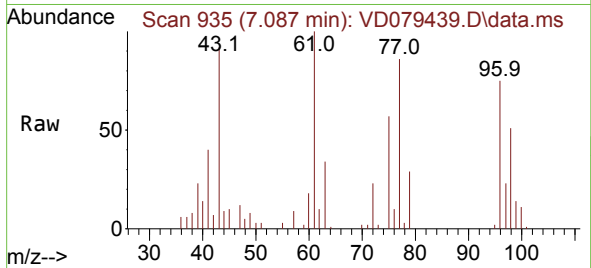




#25  
2-Butanone  
Concen: 46.819 ug/l  
RT: 7.087 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

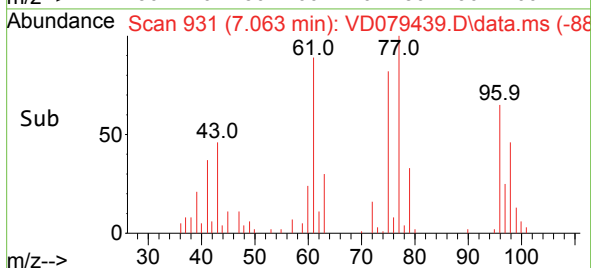
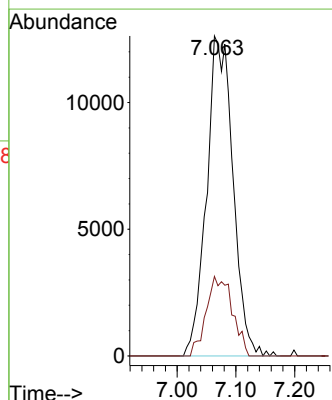
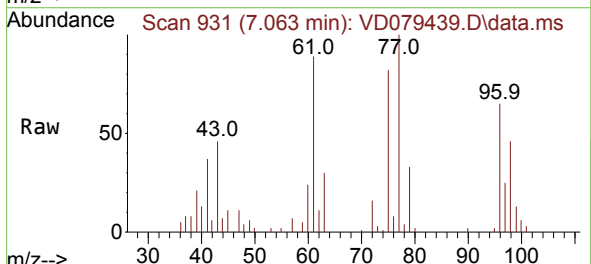
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

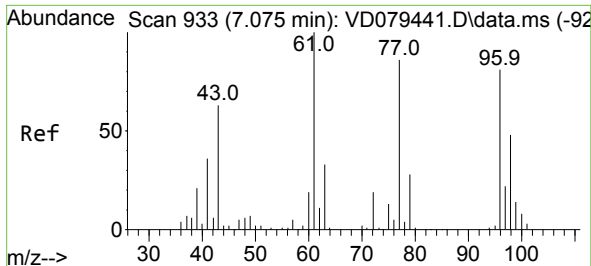
Tgt Ion: 43 Resp: 31453  
Ion Ratio Lower Upper  
43 100  
72 24.5 26.4 39.6#



#26  
2,2-Dichloropropane  
Concen: 9.532 ug/l  
RT: 7.063 min Scan# 931  
Delta R.T. -0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 77 Resp: 39367  
Ion Ratio Lower Upper  
77 100  
97 24.6 12.4 37.2

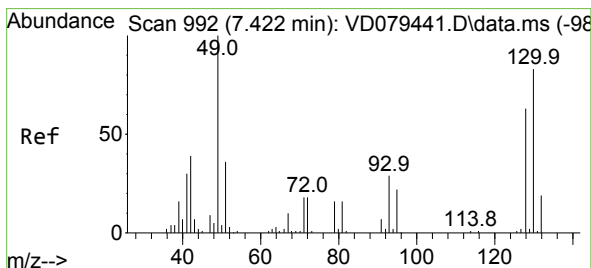
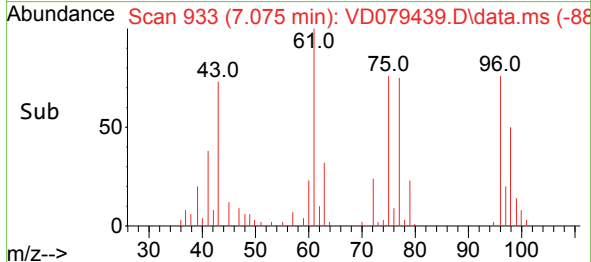
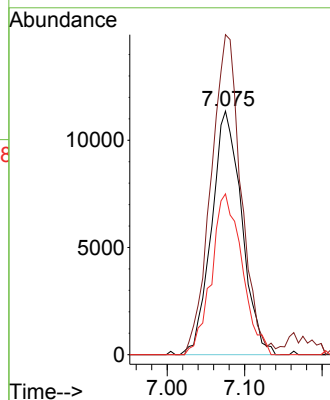
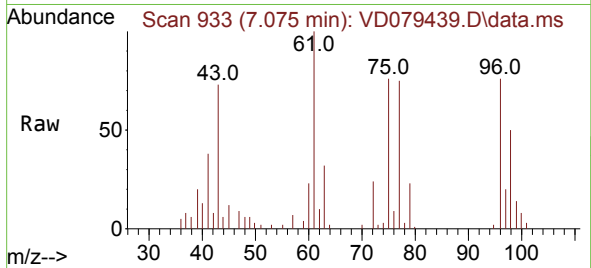




#27  
 cis-1,2-Dichloroethene  
 Concen: 9.236 ug/l  
 RT: 7.075 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VD079439.D  
 Acq: 29 Jul 2024 16:28

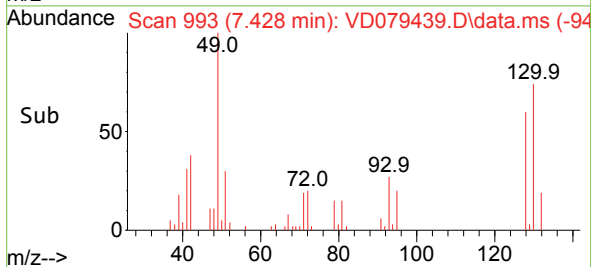
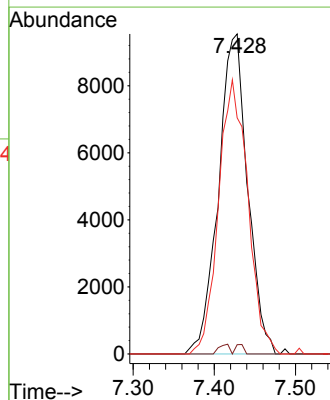
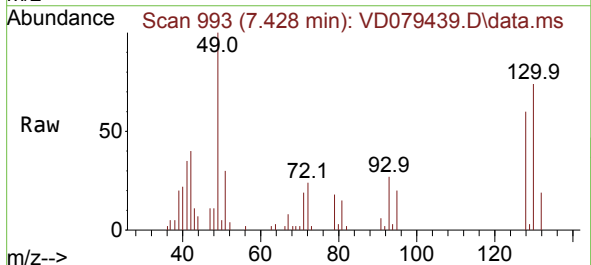
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

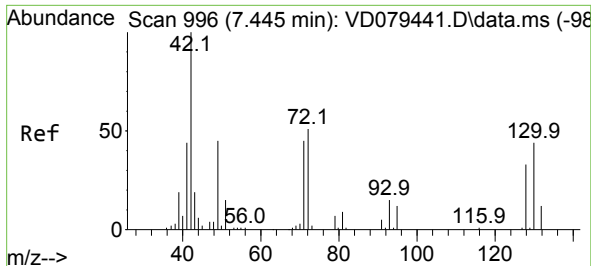
Tgt Ion: 96 Resp: 30754  
 Ion Ratio Lower Upper  
 96 100  
 61 131.1 0.0 229.0  
 98 66.9 0.0 127.2



#28  
 Bromochloromethane  
 Concen: 10.663 ug/l  
 RT: 7.428 min Scan# 993  
 Delta R.T. 0.006 min  
 Lab File: VD079439.D  
 Acq: 29 Jul 2024 16:28

Tgt Ion: 49 Resp: 23874  
 Ion Ratio Lower Upper  
 49 100  
 129 0.8 0.0 7.0  
 130 85.7 87.7 131.5#





#29

Tetrahydrofuran

Concen: 44.724 ug/l

RT: 7.446 min Scan# 996

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

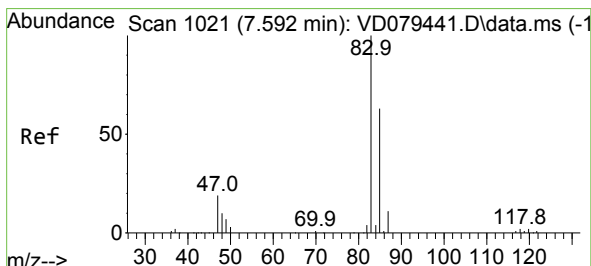
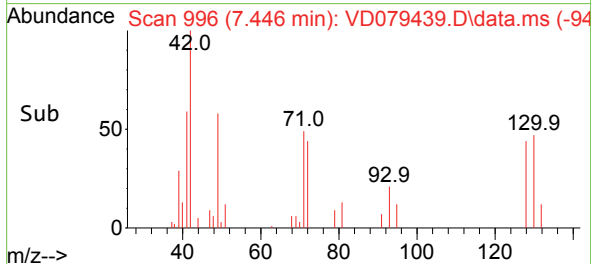
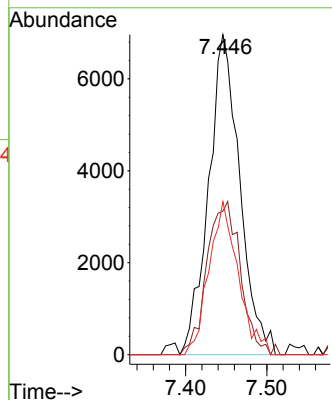
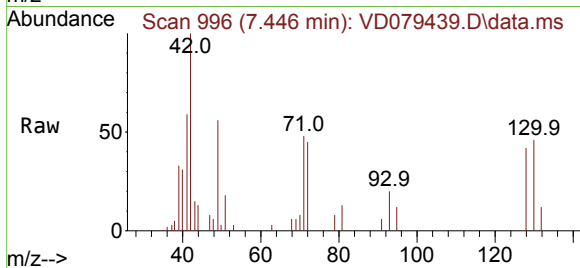
Tgt Ion: 42 Resp: 18620

Ion Ratio Lower Upper

42 100

72 51.3 49.4 74.0

71 44.9 45.0 67.6#



#30

Chloroform

Concen: 9.529 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD079439.D

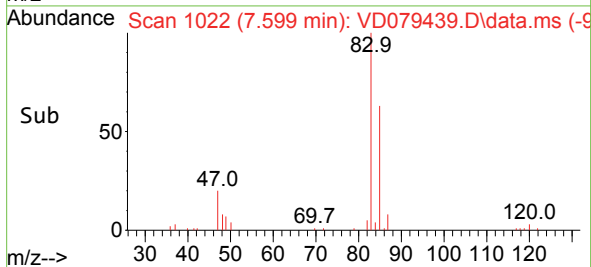
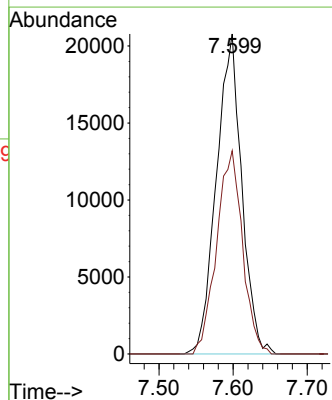
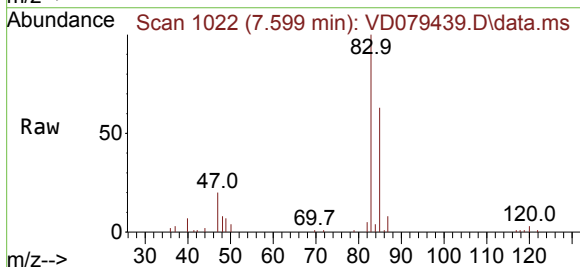
Acq: 29 Jul 2024 16:28

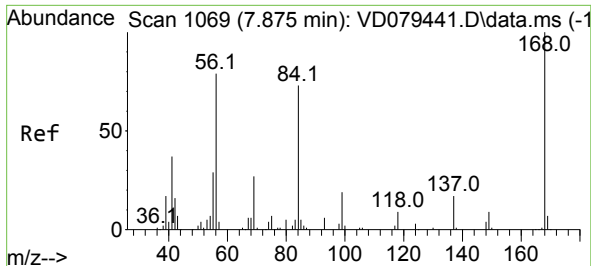
Tgt Ion: 83 Resp: 49271

Ion Ratio Lower Upper

83 100

85 63.5 51.8 77.6

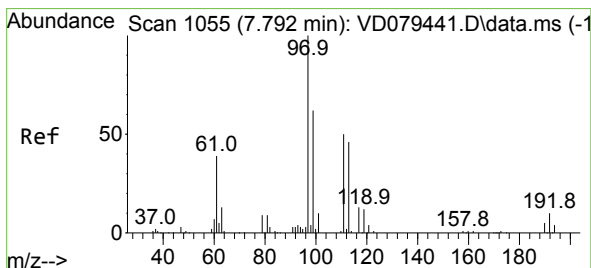
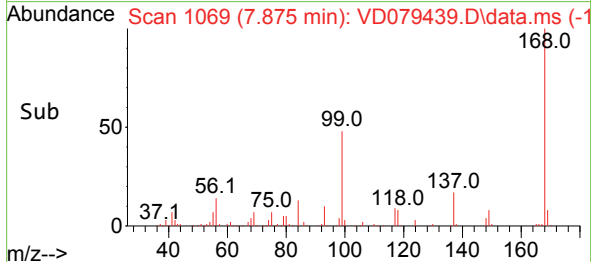
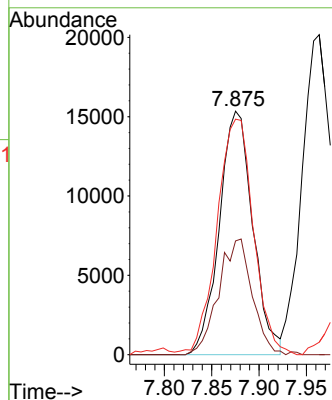
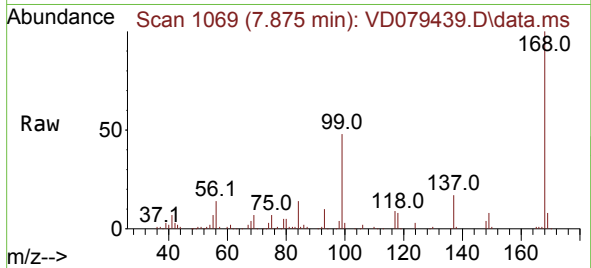




#31  
Cyclohexane  
Concen: 9.330 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

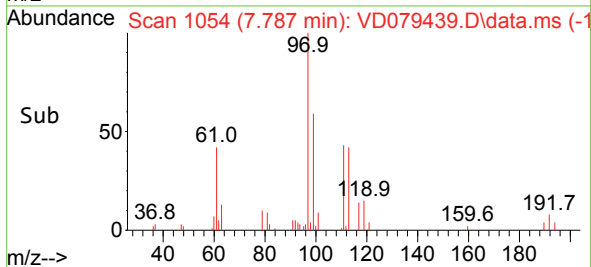
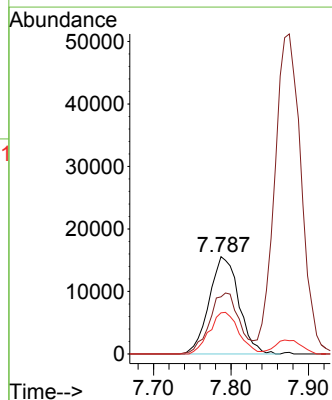
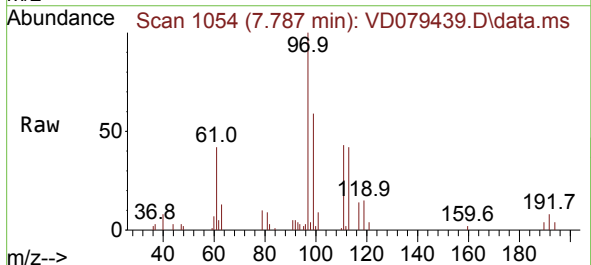
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

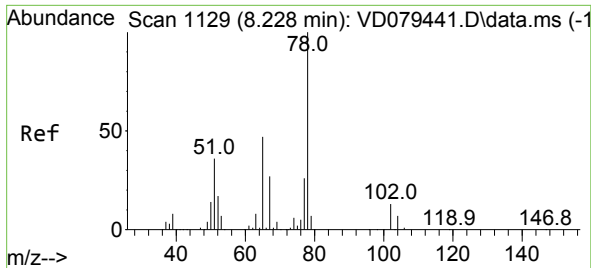
Tgt Ion: 56 Resp: 37781  
Ion Ratio Lower Upper  
56 100  
69 46.7 28.0 42.0#  
84 95.2 87.4 131.0



#32  
1,1,1-Trichloroethane  
Concen: 9.669 ug/l  
RT: 7.787 min Scan# 1054  
Delta R.T. -0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 97 Resp: 41254  
Ion Ratio Lower Upper  
97 100  
99 63.1 51.3 76.9  
61 42.5 31.4 47.2

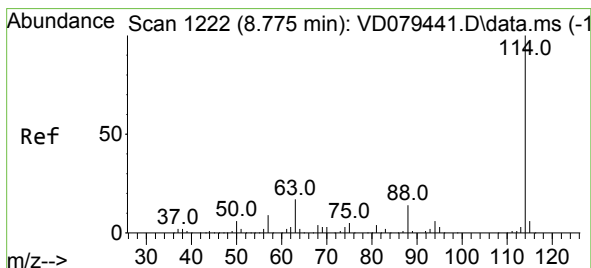
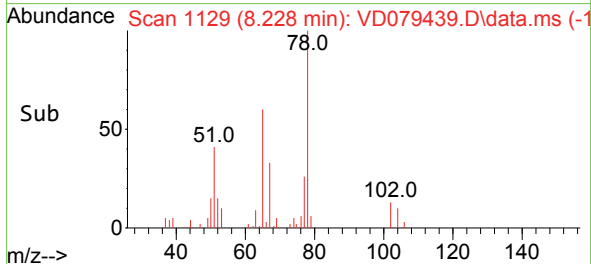
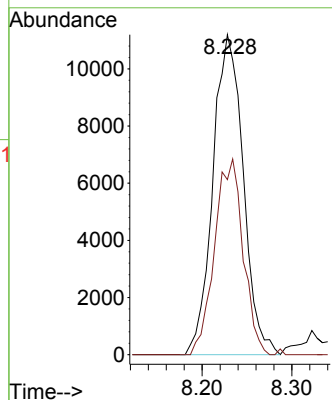
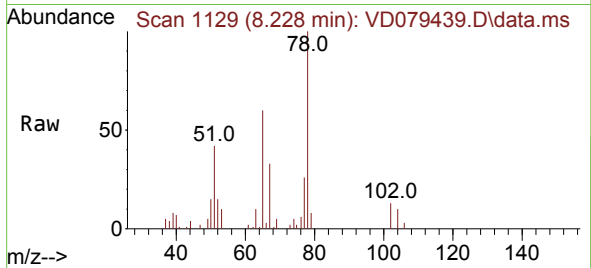




#33  
 1,2-Dichloroethane-d4  
 Concen: 10.778 ug/l  
 RT: 8.228 min Scan# 1129  
 Delta R.T. 0.000 min  
 Lab File: VD079439.D  
 Acq: 29 Jul 2024 16:28

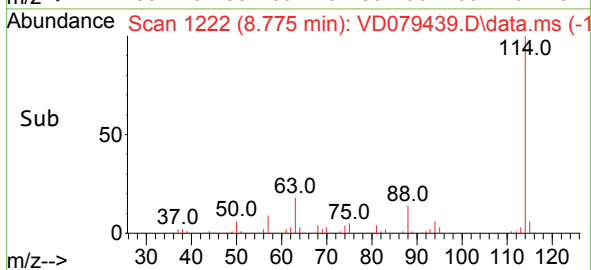
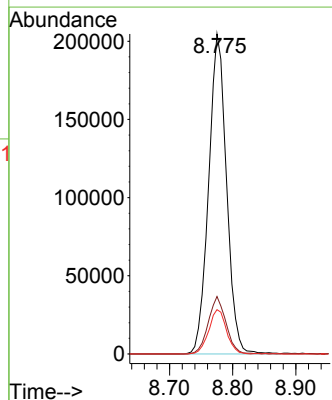
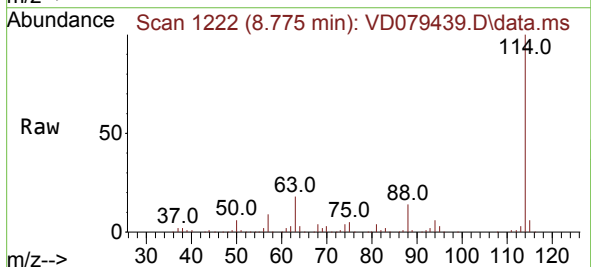
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

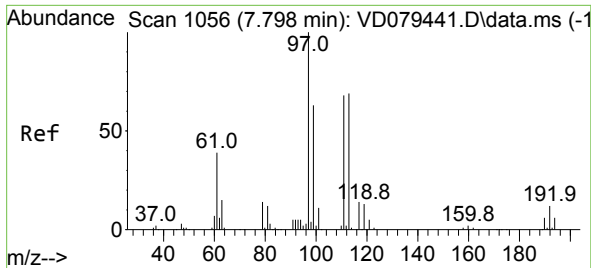
Tgt Ion: 65 Resp: 26279  
 Ion Ratio Lower Upper  
 65 100  
 67 57.4 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.775 min Scan# 1222  
 Delta R.T. 0.000 min  
 Lab File: VD079439.D  
 Acq: 29 Jul 2024 16:28

Tgt Ion: 114 Resp: 402519  
 Ion Ratio Lower Upper  
 114 100  
 63 17.9 0.0 34.0  
 88 13.8 0.0 27.2

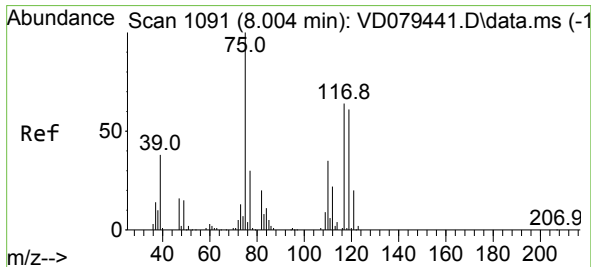
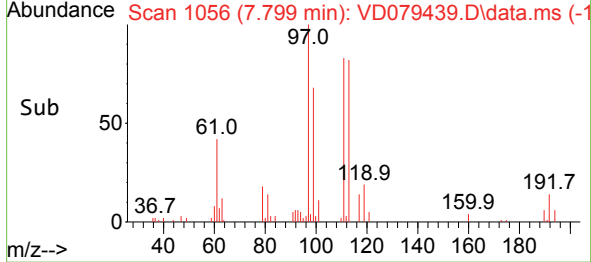
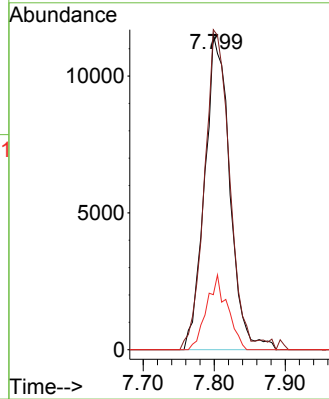
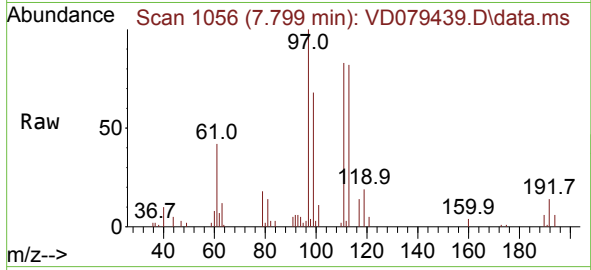




#35  
Dibromofluoromethane  
Concen: 10.408 ug/l  
RT: 7.799 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

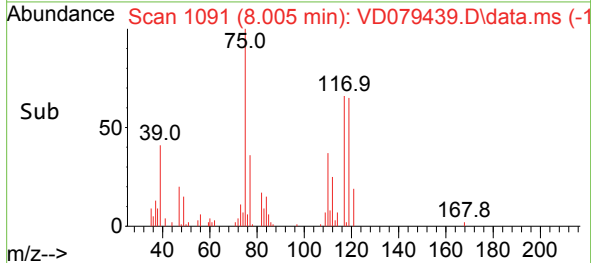
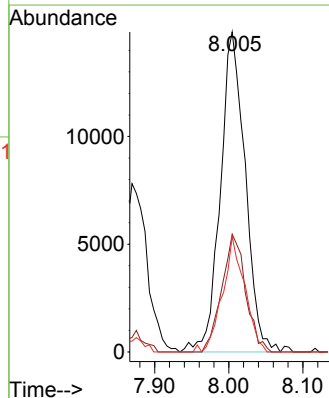
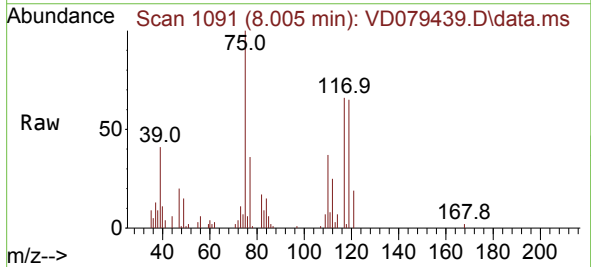
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

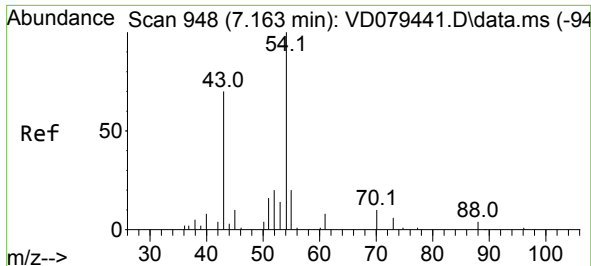
Tgt Ion:113 Resp: 28357  
Ion Ratio Lower Upper  
113 100  
111 100.9 84.0 126.0  
192 19.8 15.4 23.0



#36  
1,1-Dichloropropene  
Concen: 9.308 ug/l  
RT: 8.005 min Scan# 1091  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 75 Resp: 34612  
Ion Ratio Lower Upper  
75 100  
110 35.4 19.6 58.7  
77 32.3 26.1 39.1





#37

Ethyl Acetate

Concen: 9.296 ug/l

RT: 7.163 min Scan# 94

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

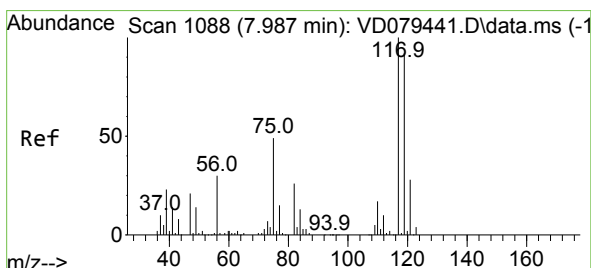
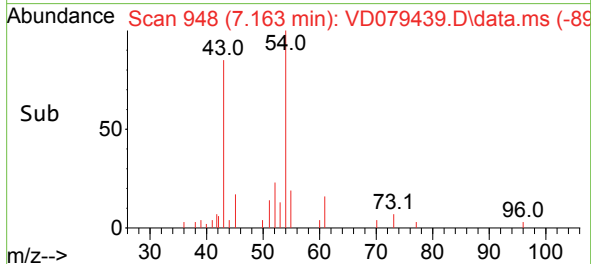
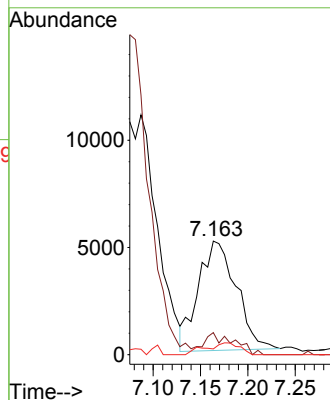
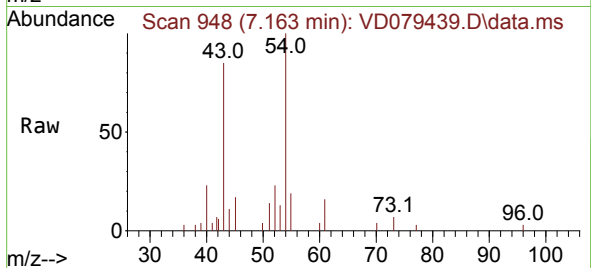
Tgt Ion: 43 Resp: 14173

Ion Ratio Lower Upper

43 100

61 16.0 13.9 20.9

70 9.6 9.8 14.6#



#38

Carbon Tetrachloride

Concen: 9.383 ug/l

RT: 7.993 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

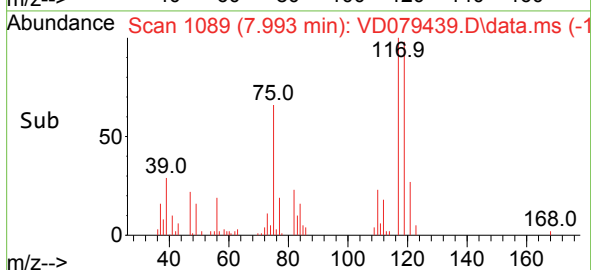
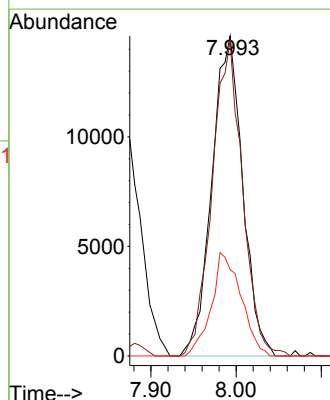
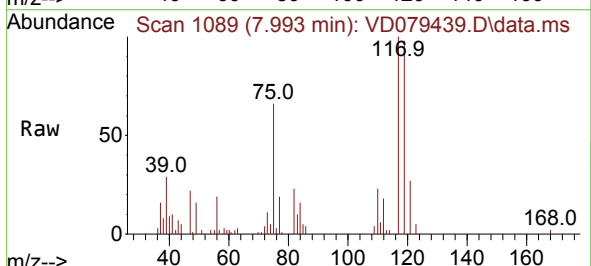
Tgt Ion: 117 Resp: 36679

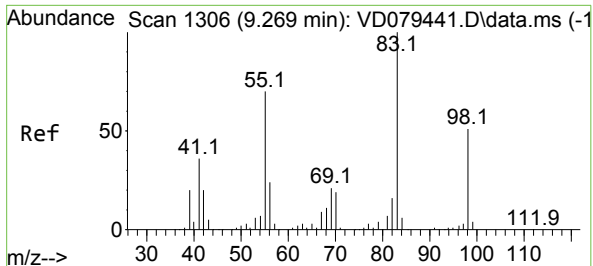
Ion Ratio Lower Upper

117 100

119 98.4 75.4 113.0

121 27.0 25.0 37.4





#39

Methylcyclohexane

Concen: 8.513 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.006 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

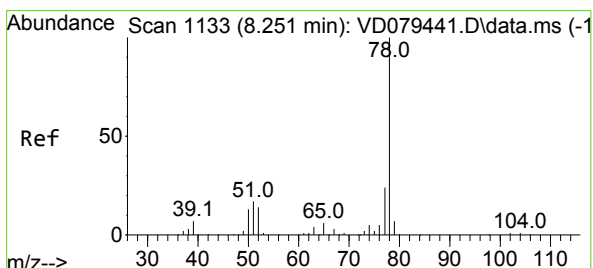
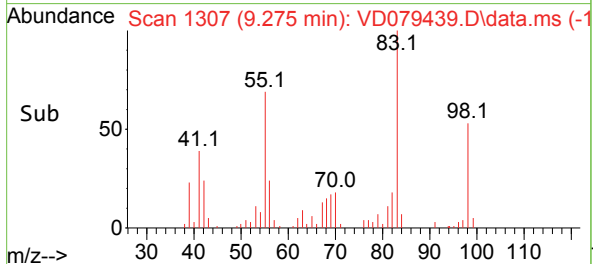
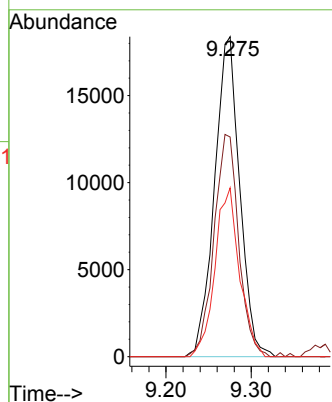
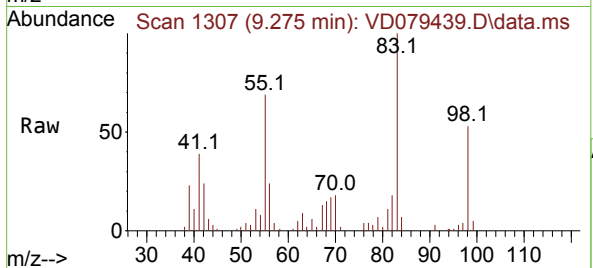
Tgt Ion: 83 Resp: 37770

Ion Ratio Lower Upper

83 100

55 68.7 50.1 75.1

98 52.7 41.9 62.9



#40

Benzene

Concen: 9.319 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD079439.D

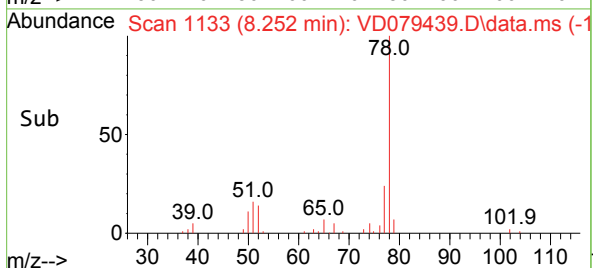
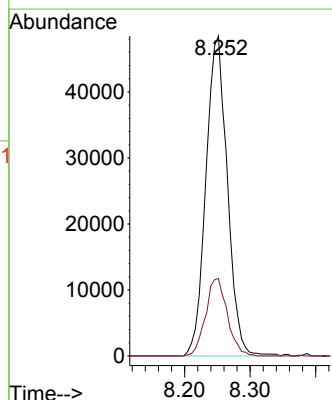
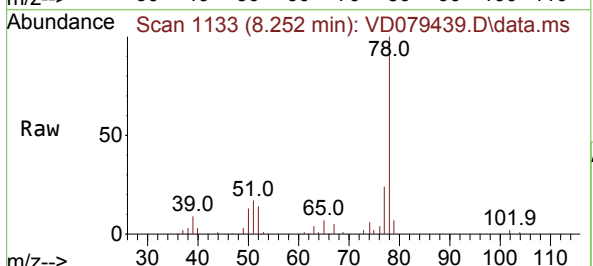
Acq: 29 Jul 2024 16:28

Tgt Ion: 78 Resp: 110068

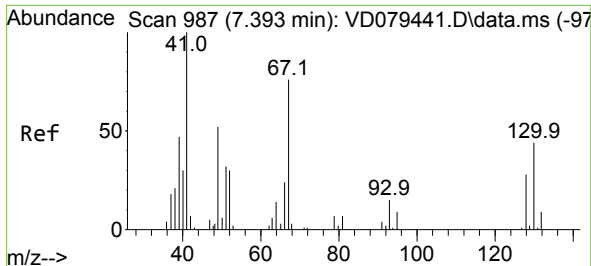
Ion Ratio Lower Upper

78 100

77 24.2 18.1 27.1



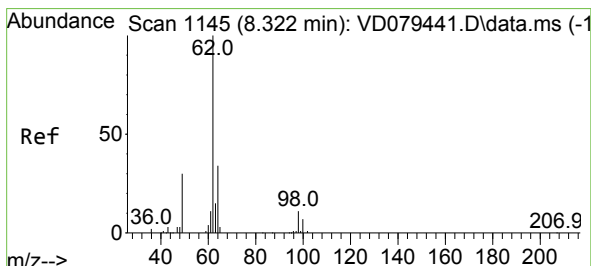
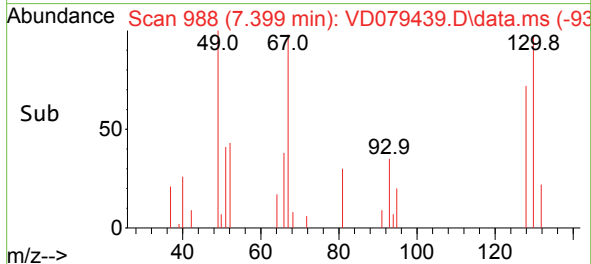
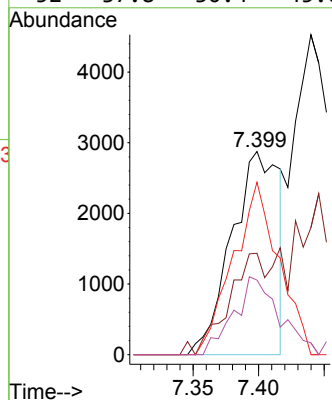
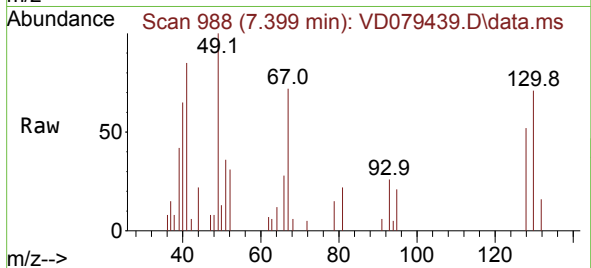




#41  
Methacrylonitrile  
Concen: 8.574 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

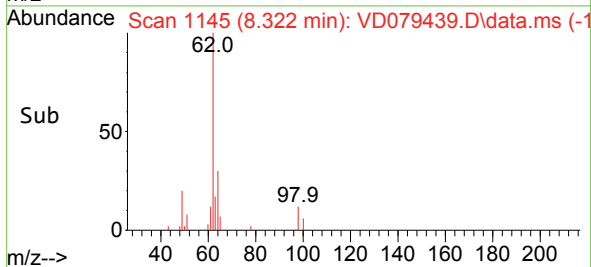
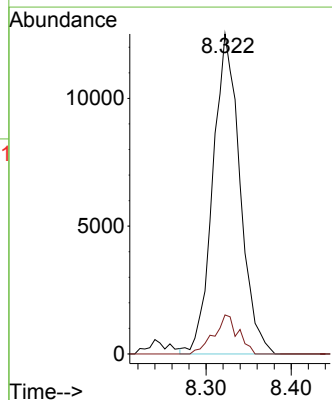
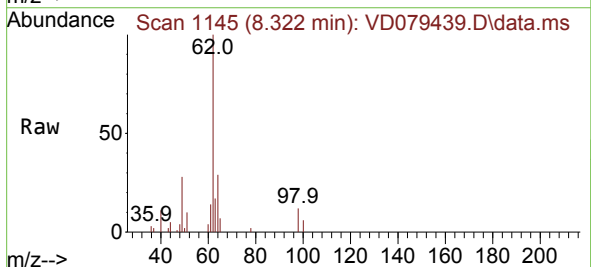
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

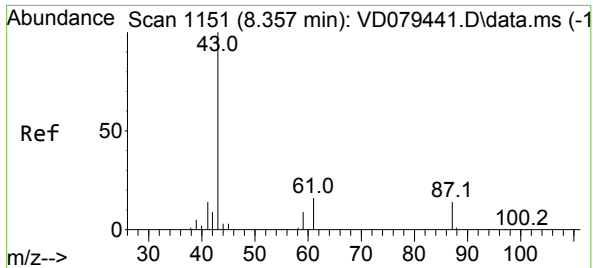
Tgt Ion: 41 Resp: 7190  
Ion Ratio Lower Upper  
41 100  
39 38.7 41.4 62.0#  
67 81.7 85.8 128.6#  
52 37.8 30.4 45.6



#42  
1,2-Dichloroethane  
Concen: 9.842 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 62 Resp: 27700  
Ion Ratio Lower Upper  
62 100  
98 10.8 0.0 25.8

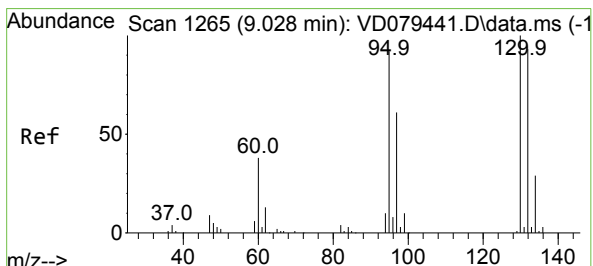
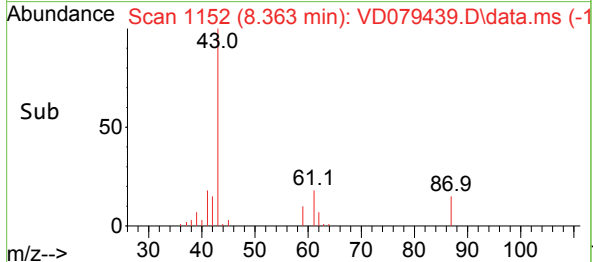
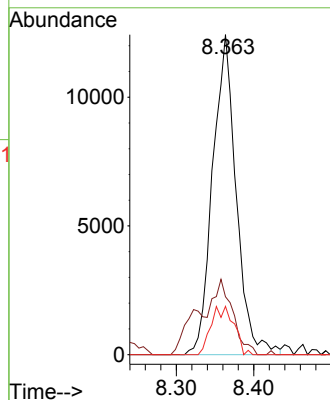
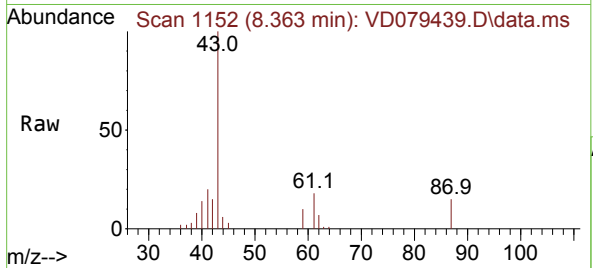




#43  
Isopropyl Acetate  
Concen: 9.162 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. 0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

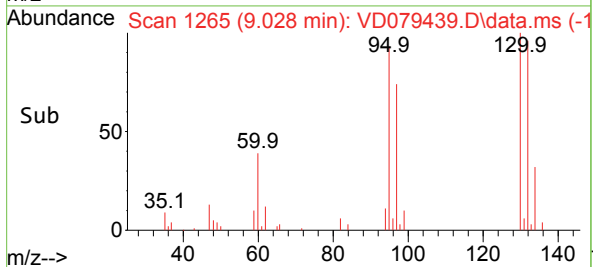
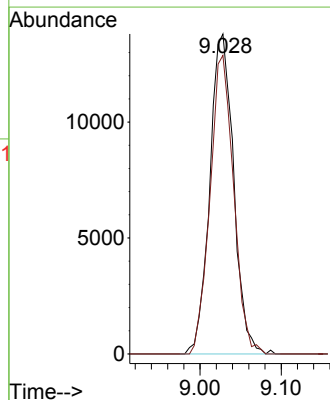
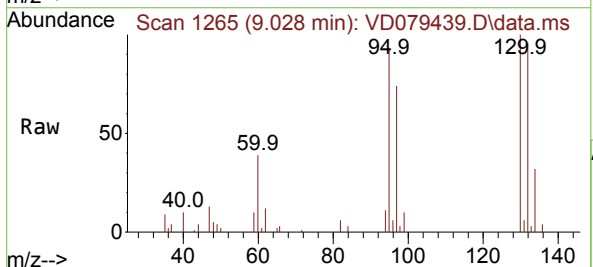
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

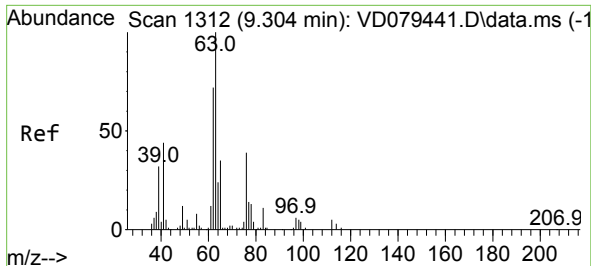
Tgt Ion: 43 Resp: 26252  
Ion Ratio Lower Upper  
43 100  
61 20.0 29.3 43.9#  
87 14.6 14.9 22.3#



#44  
Trichloroethene  
Concen: 9.570 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 130 Resp: 28136  
Ion Ratio Lower Upper  
130 100  
95 93.3 0.0 177.8





#45

1,2-Dichloropropane

Concen: 9.169 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

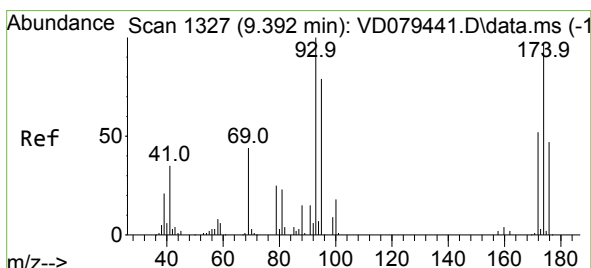
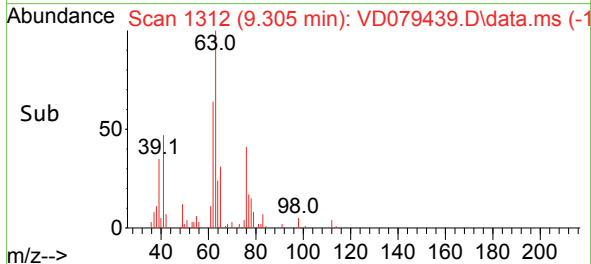
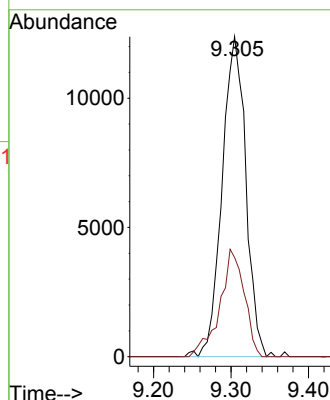
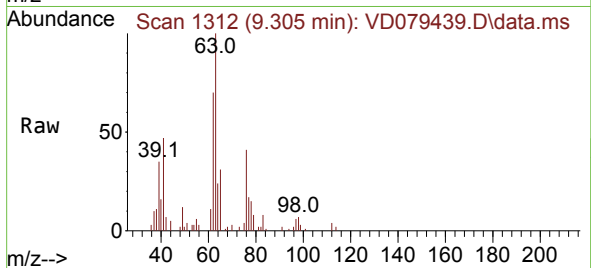
VSTDIC010

Tgt Ion: 63 Resp: 26354

Ion Ratio Lower Upper

63 100

65 31.0 23.8 35.8



#46

Dibromomethane

Concen: 9.635 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

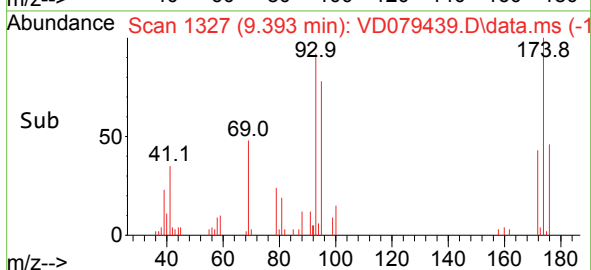
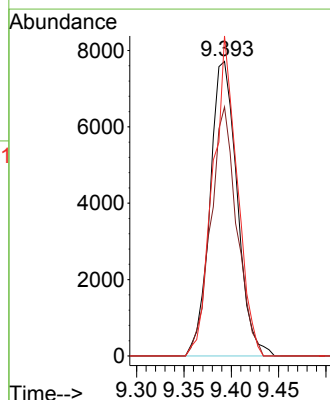
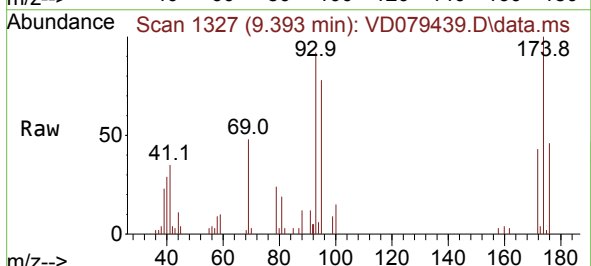
Tgt Ion: 93 Resp: 15353

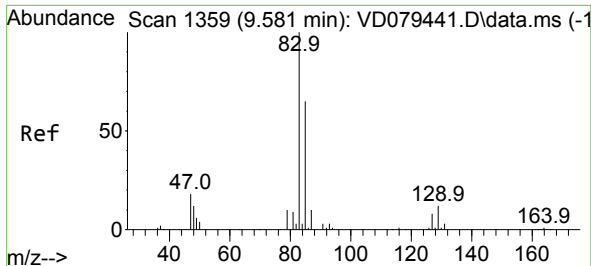
Ion Ratio Lower Upper

93 100

95 81.4 65.6 98.4

174 97.6 82.3 123.5





#47

Bromodichloromethane

Concen: 9.633 ug/l

RT: 9.587 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

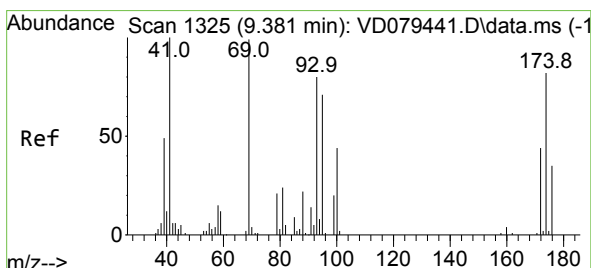
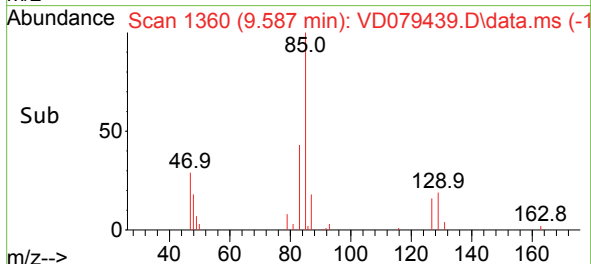
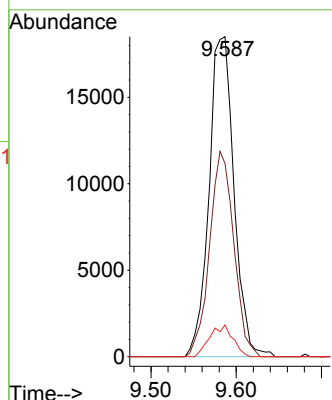
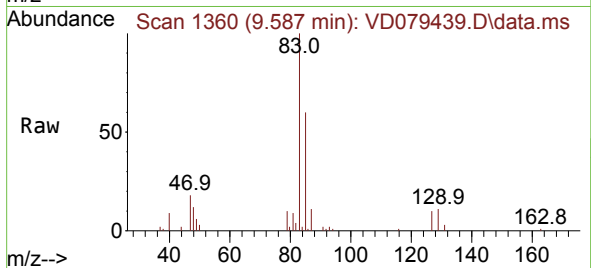
Tgt Ion: 83 Resp: 37690

Ion Ratio Lower Upper

83 100

85 60.4 50.1 75.1

127 9.9 6.8 10.2



#48

Methyl methacrylate

Concen: 8.548 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

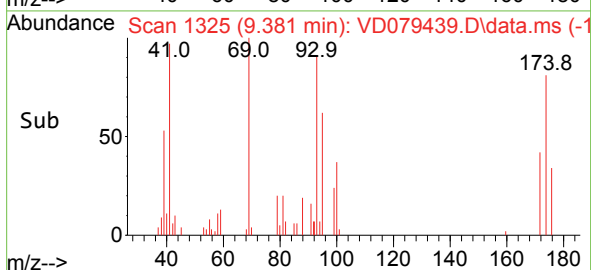
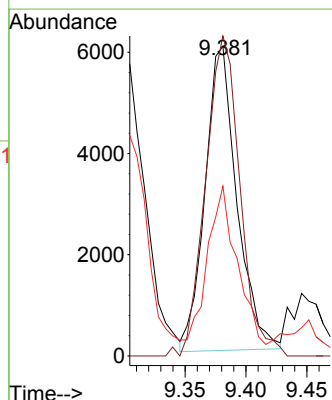
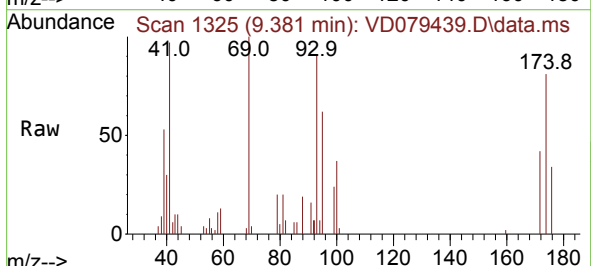
Tgt Ion: 41 Resp: 10961

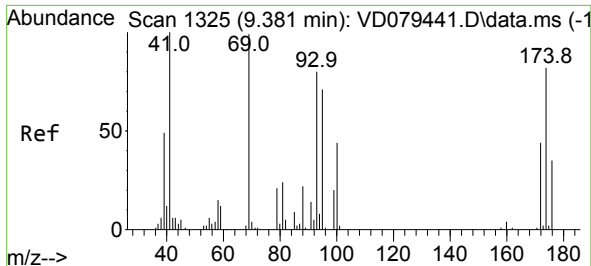
Ion Ratio Lower Upper

41 100

69 112.9 96.7 145.1

39 48.5 43.8 65.6





#49

1,4-Dioxane

Concen: 188.180 ug/l

RT: 9.387 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

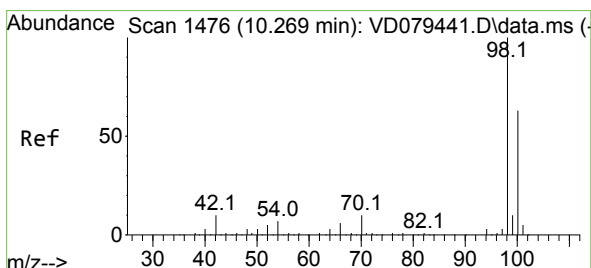
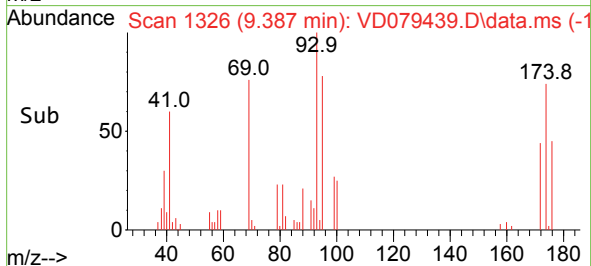
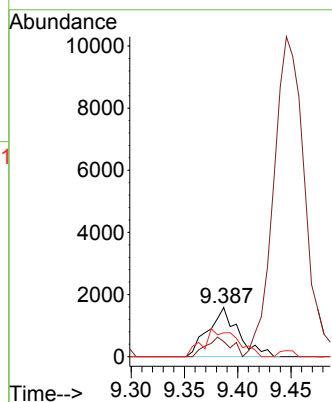
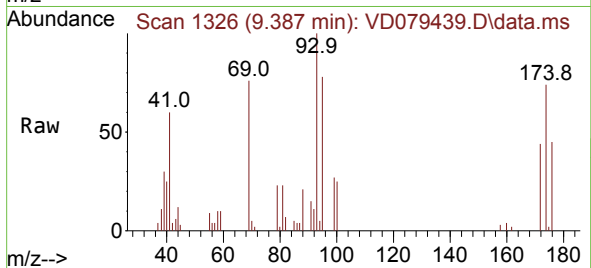
Tgt Ion: 88 Resp: 3107

Ion Ratio Lower Upper

88 100

43 32.4 21.5 32.3#

58 64.1 42.2 63.4#



#50

Toluene-d8

Concen: 9.912 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VD079439.D

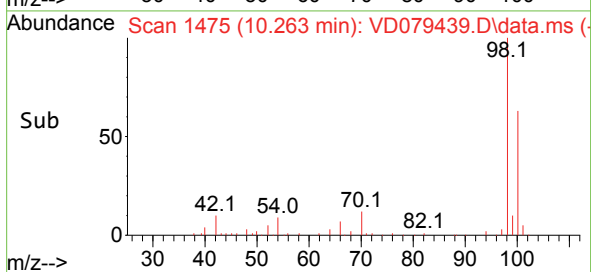
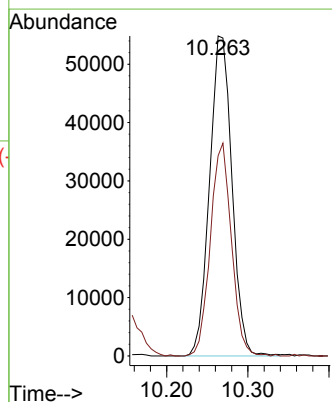
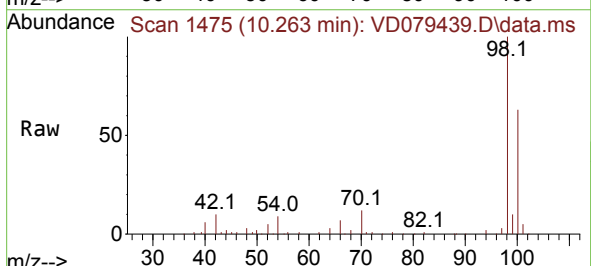
Acq: 29 Jul 2024 16:28

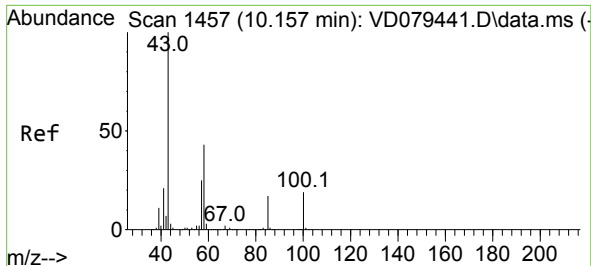
Tgt Ion: 98 Resp: 104870

Ion Ratio Lower Upper

98 100

100 62.7 51.6 77.4

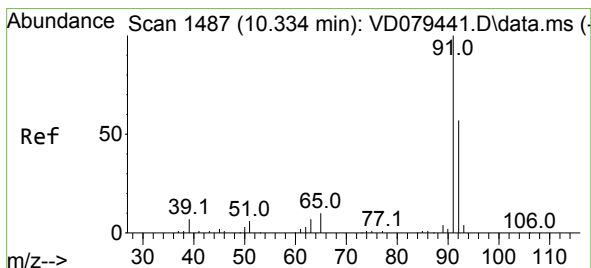
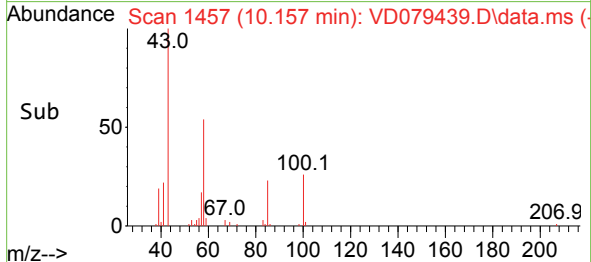
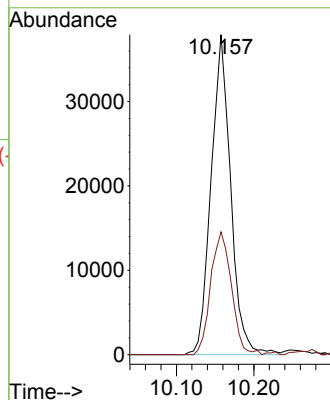
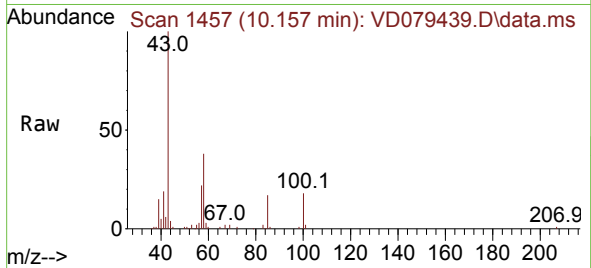




#51  
4-Methyl-2-Pentanone  
Concen: 45.642 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

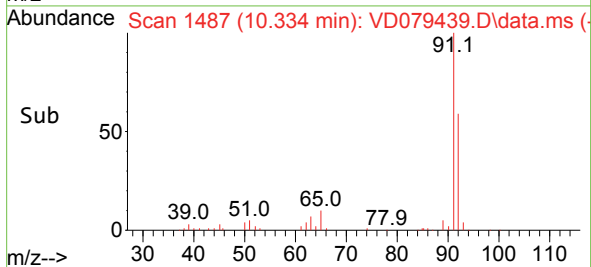
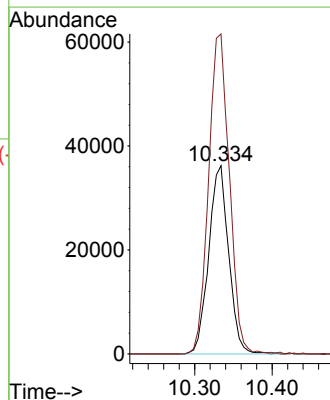
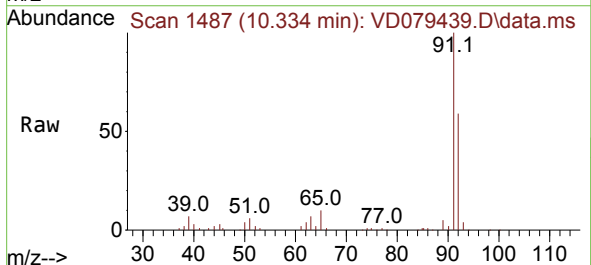
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

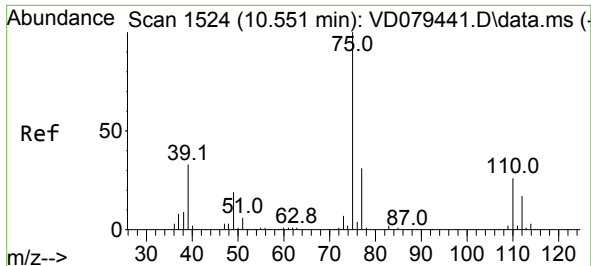
Tgt Ion: 43 Resp: 66771  
Ion Ratio Lower Upper  
43 100  
58 40.5 36.6 55.0



#52  
Toluene  
Concen: 8.860 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 92 Resp: 64715  
Ion Ratio Lower Upper  
92 100  
91 177.2 141.7 212.5

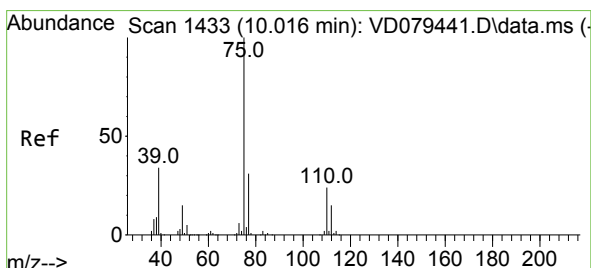
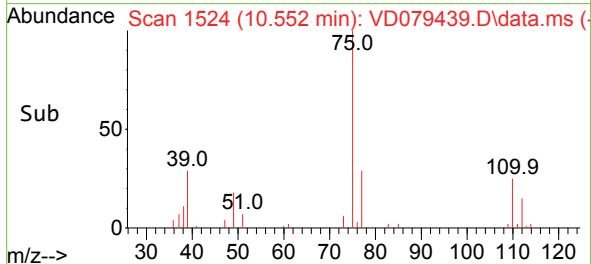
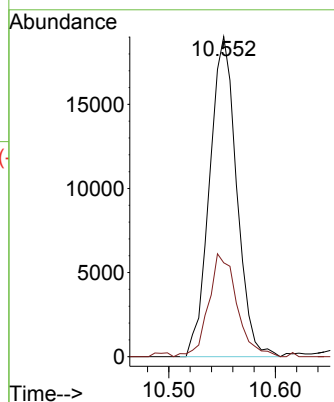
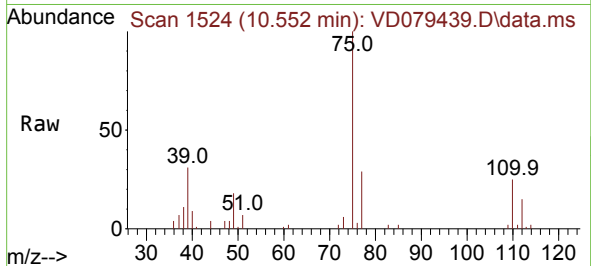




#53  
 t-1,3-Dichloropropene  
 Concen: 9.287 ug/l  
 RT: 10.552 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VD079439.D  
 Acq: 29 Jul 2024 16:28

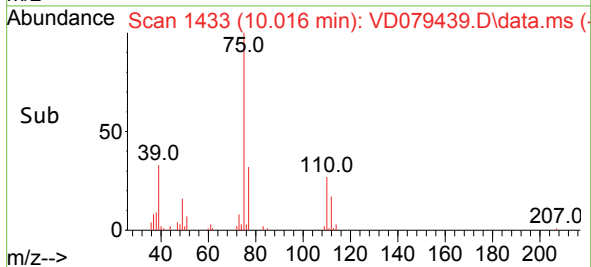
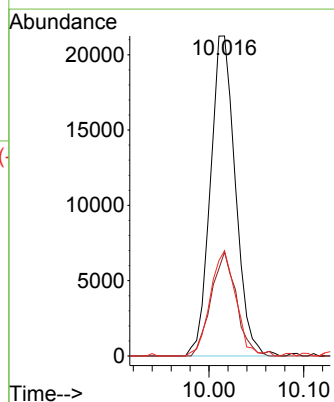
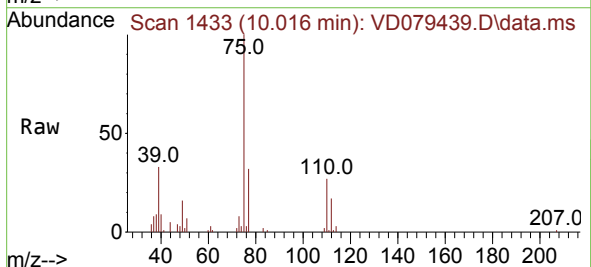
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

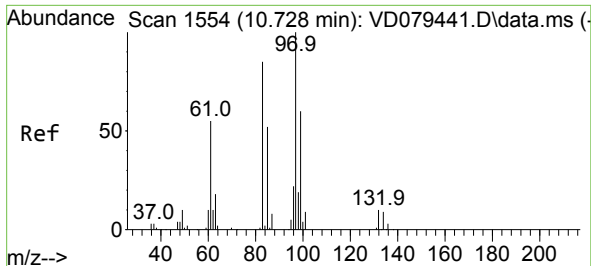
Tgt Ion: 75 Resp: 33554  
 Ion Ratio Lower Upper  
 75 100  
 77 29.4 25.0 37.6



#54  
 cis-1,3-Dichloropropene  
 Concen: 8.971 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD079439.D  
 Acq: 29 Jul 2024 16:28

Tgt Ion: 75 Resp: 38990  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 24.4 36.6  
 39 32.9 24.2 36.2

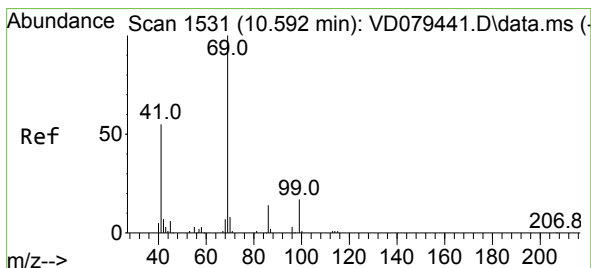
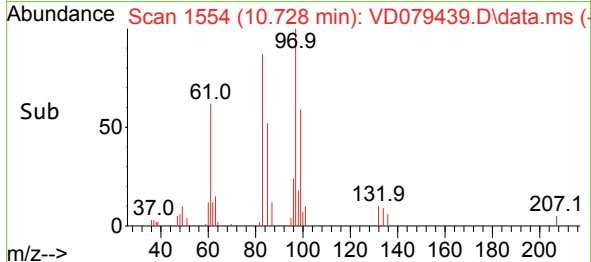
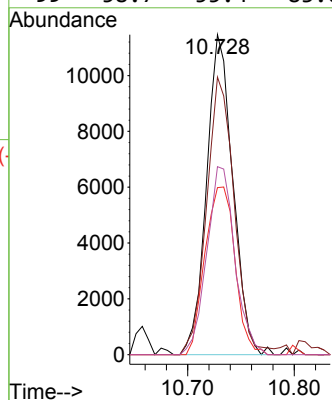
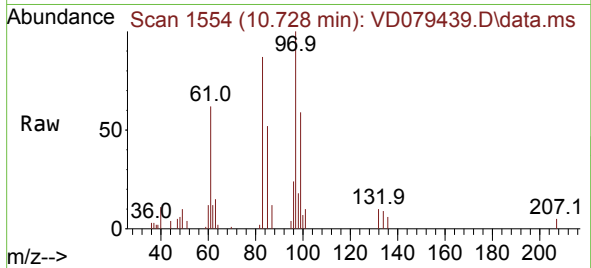




#55  
1,1,2-Trichloroethane  
Concen: 9.389 ug/l  
RT: 10.728 min Scan# 1554  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

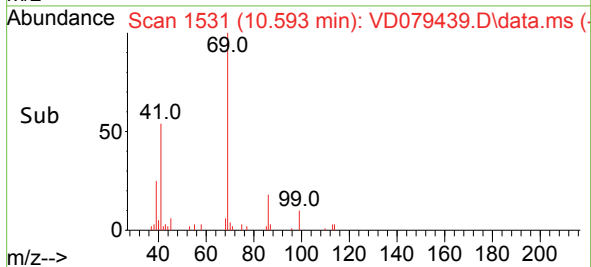
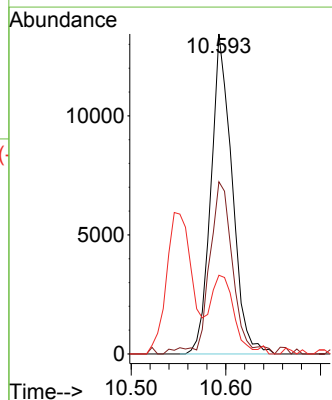
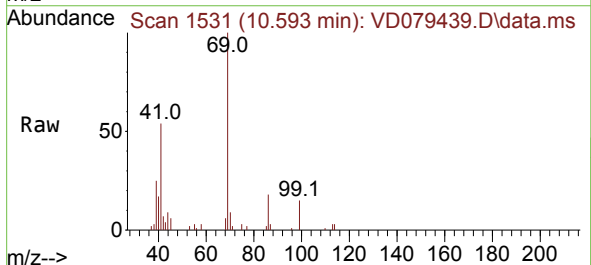
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 19708 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.8  | 65.8  | 98.8  |
| 85       | 52.2  | 43.8  | 65.8  |
| 99       | 58.7  | 55.4  | 83.0  |

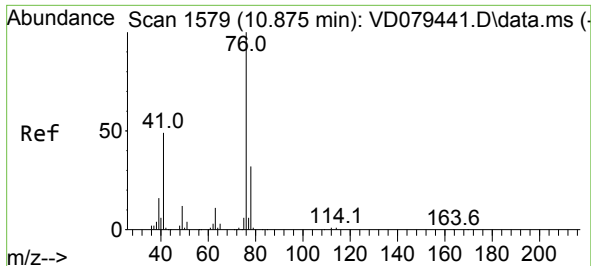


#56  
Ethyl methacrylate  
Concen: 8.366 ug/l  
RT: 10.593 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 20807 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 59.4  | 39.8  | 59.6  |
| 39       | 28.1  | 20.2  | 30.4  |







#57

1,3-Dichloropropane

Concen: 9.494 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.006 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

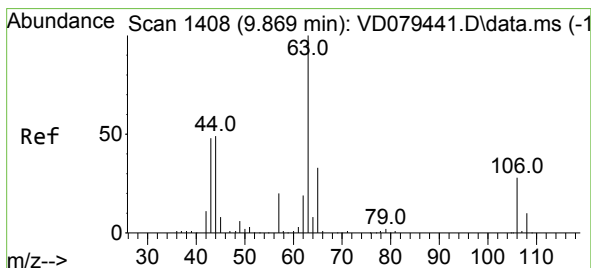
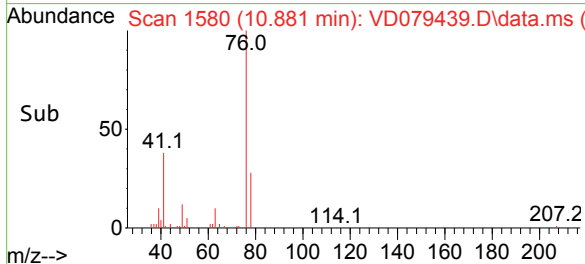
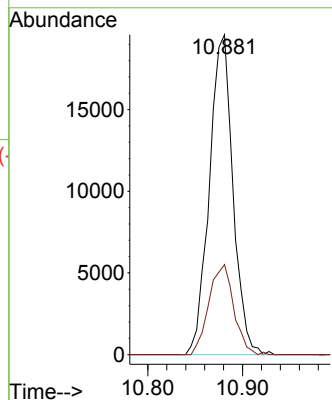
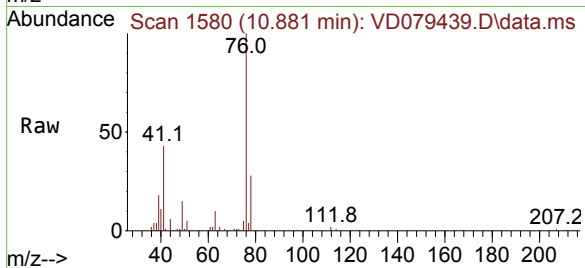
VSTDIC010

Tgt Ion: 76 Resp: 33863

Ion Ratio Lower Upper

76 100

78 29.7 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 46.587 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD079439.D

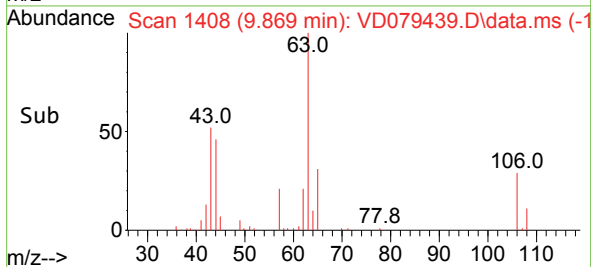
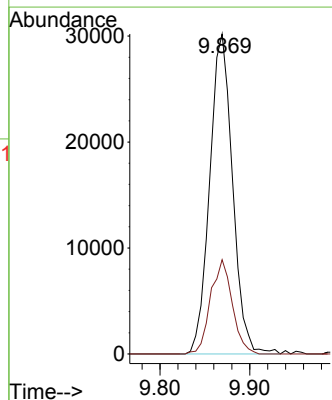
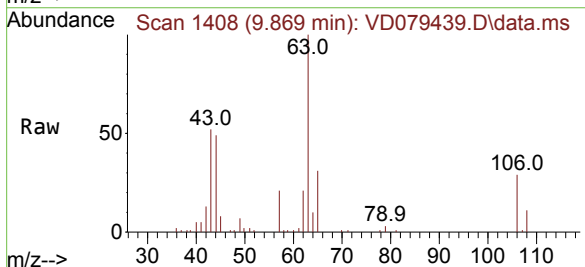
Acq: 29 Jul 2024 16:28

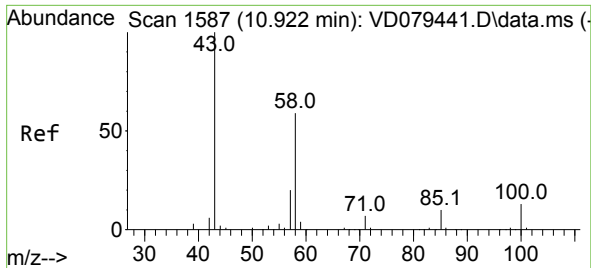
Tgt Ion: 63 Resp: 53434

Ion Ratio Lower Upper

63 100

106 27.9 26.4 39.6

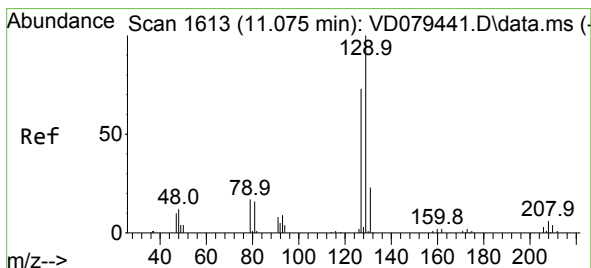
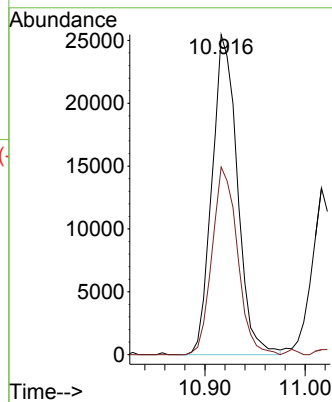
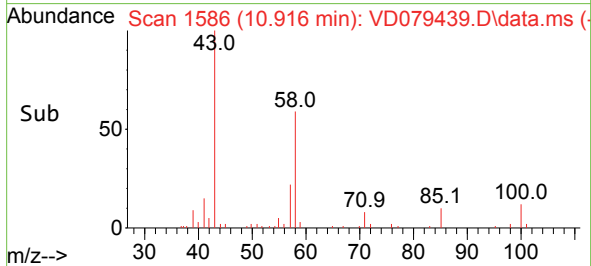
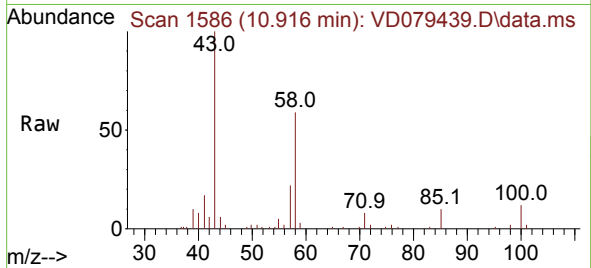




#59  
2-Hexanone  
Concen: 43.790 ug/l  
RT: 10.916 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

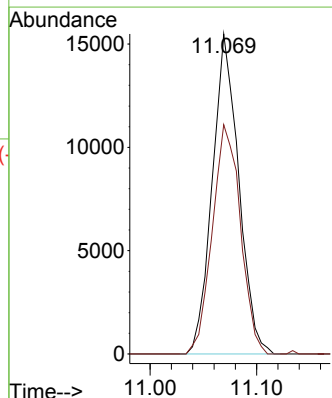
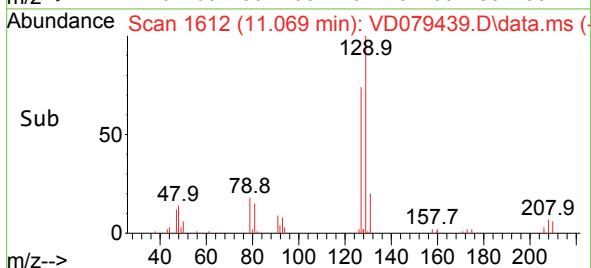
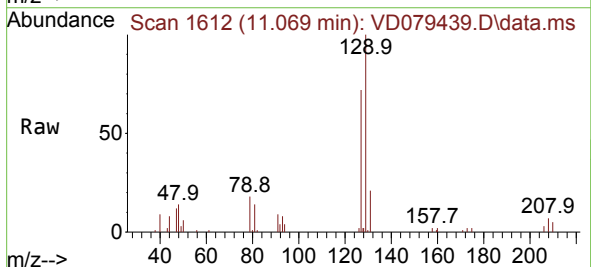
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

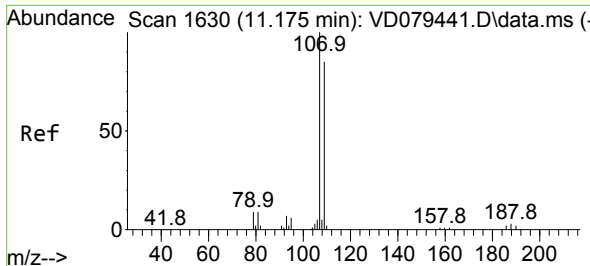
Tgt Ion: 43 Resp: 44678  
Ion Ratio Lower Upper  
43 100  
58 58.7 31.1 93.5



#60  
Dibromochloromethane  
Concen: 9.709 ug/l  
RT: 11.069 min Scan# 1612  
Delta R.T. -0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 129 Resp: 26622  
Ion Ratio Lower Upper  
129 100  
127 76.2 38.0 113.9

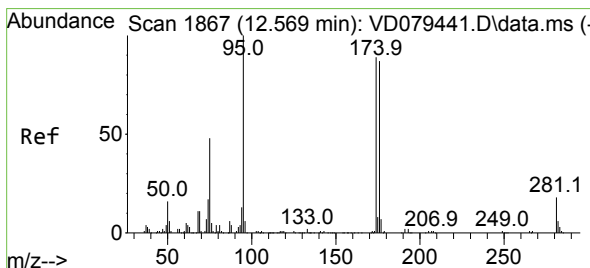
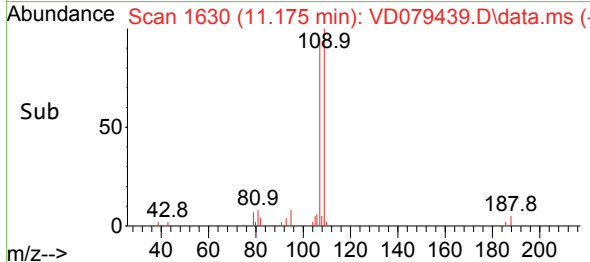
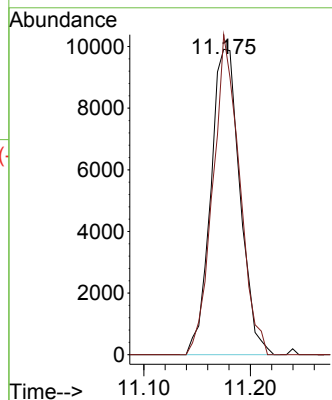
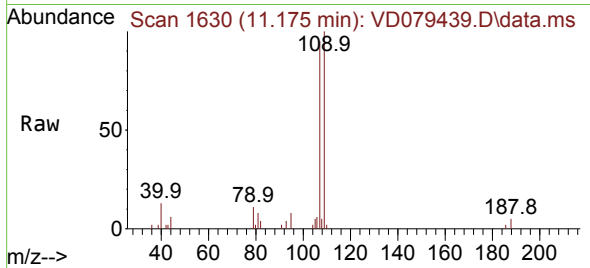




#61  
1,2-Dibromoethane  
Concen: 9.623 ug/l  
RT: 11.175 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

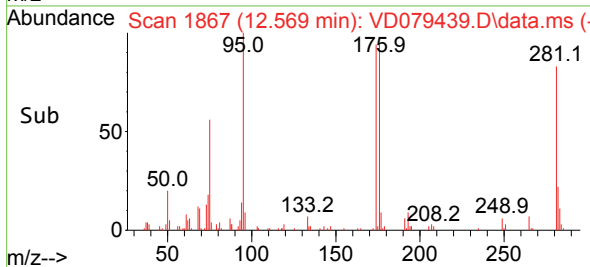
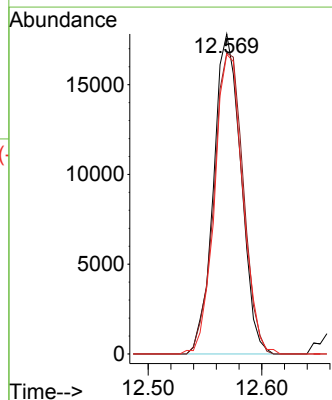
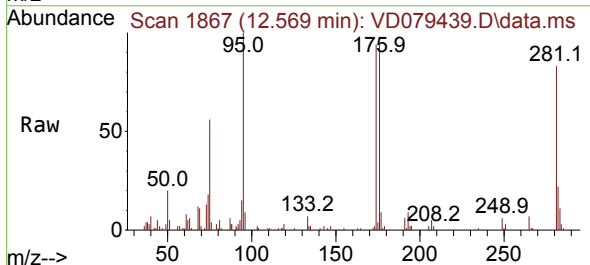
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

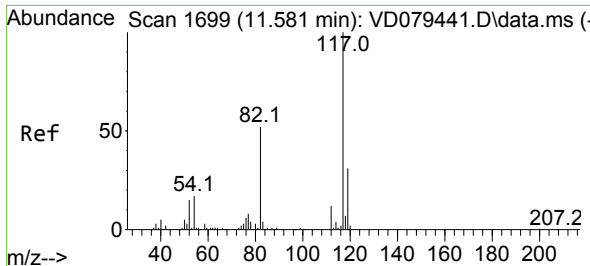
Tgt Ion:107 Resp: 18922  
Ion Ratio Lower Upper  
107 100  
109 95.3 72.0 108.0



#62  
4-Bromofluorobenzene  
Concen: 9.744 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 95 Resp: 29834  
Ion Ratio Lower Upper  
95 100  
174 100.5 0.0 195.4  
176 96.6 0.0 192.6

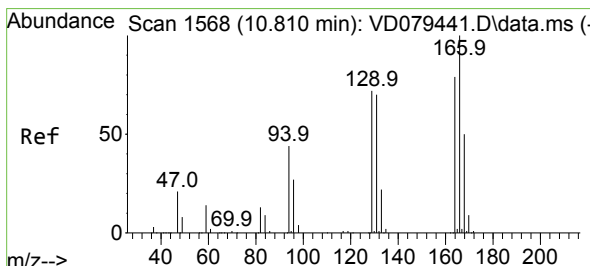
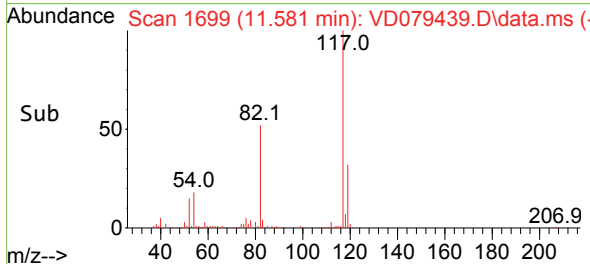
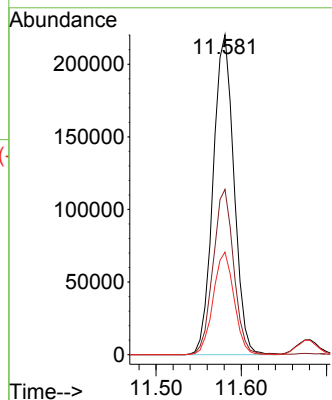
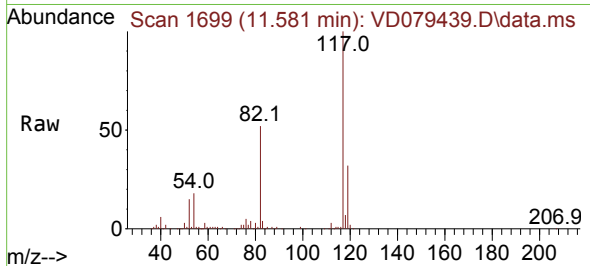




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

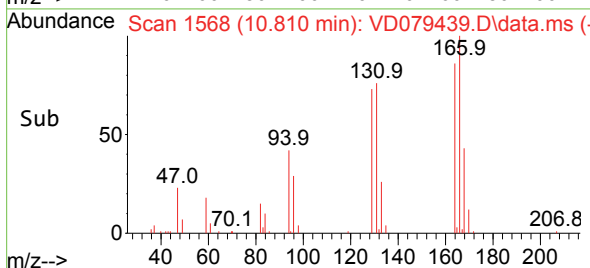
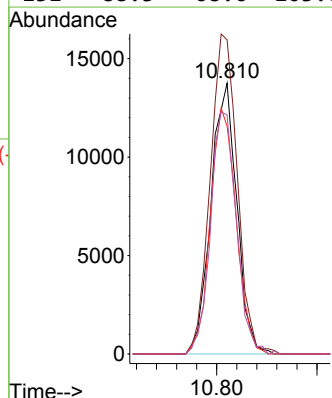
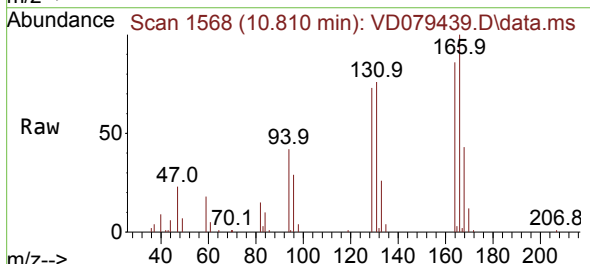
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

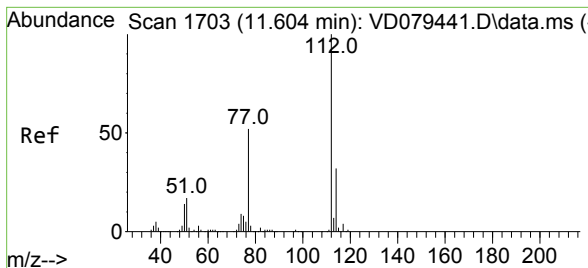
Tgt Ion:117 Resp: 374497  
Ion Ratio Lower Upper  
117 100  
82 51.7 39.8 59.6  
119 32.1 25.7 38.5



#64  
Tetrachloroethene  
Concen: 9.745 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion:164 Resp: 24609  
Ion Ratio Lower Upper  
164 100  
166 116.1 108.6 163.0  
129 84.2 74.6 112.0  
131 88.3 68.6 103.0





#65

Chlorobenzene

Concen: 9.386 ug/l

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

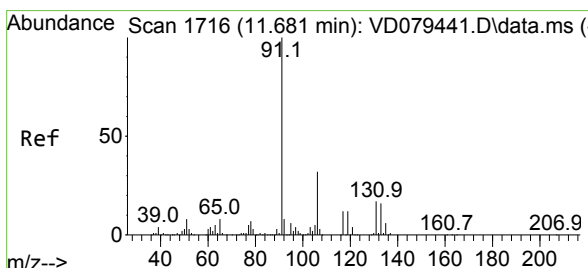
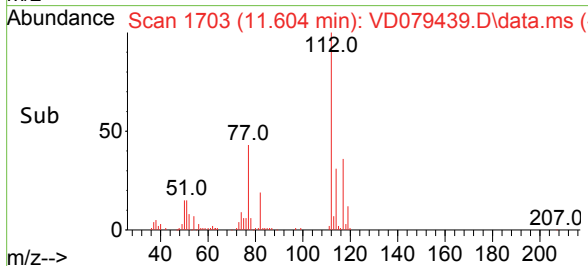
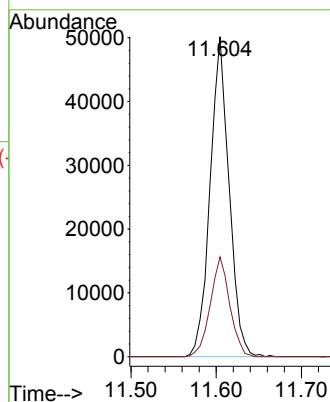
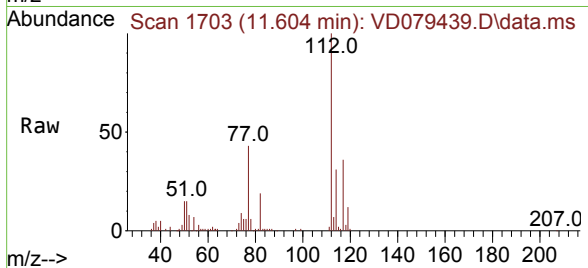
VSTDIC010

Tgt Ion:112 Resp: 77837

Ion Ratio Lower Upper

112 100

114 31.1 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 9.109 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

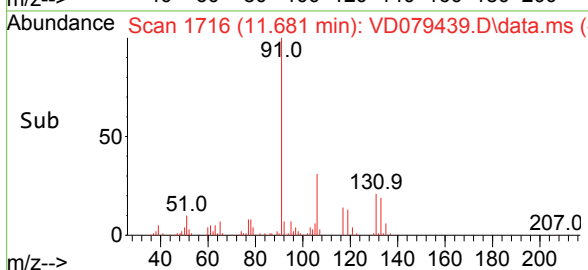
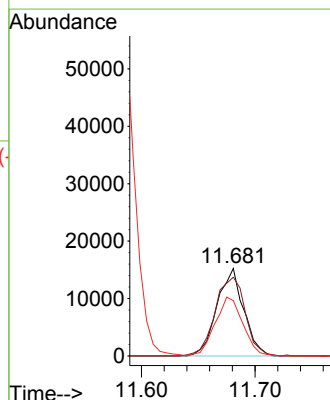
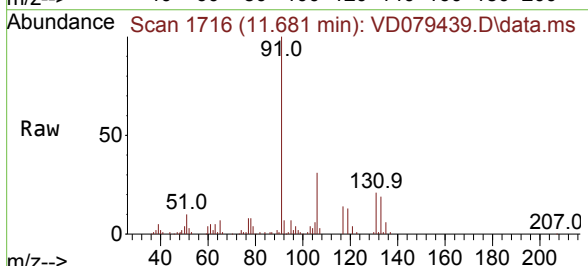
Tgt Ion:131 Resp: 24853

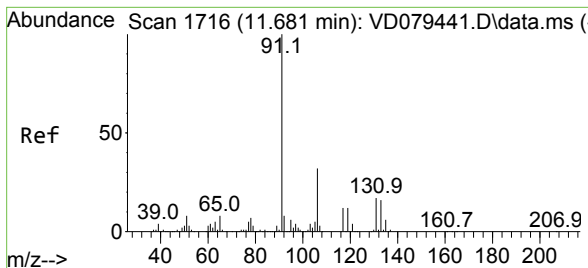
Ion Ratio Lower Upper

131 100

133 102.1 49.2 147.6

119 70.0 33.4 100.2





#67

Ethyl Benzene

Concen: 8.515 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

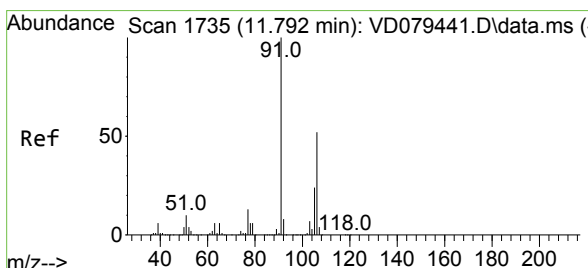
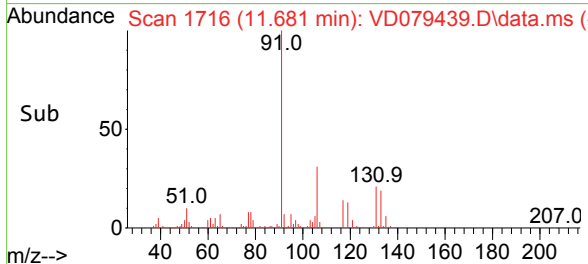
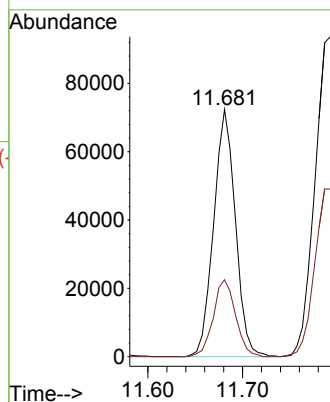
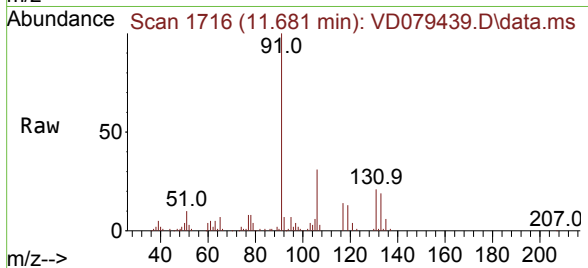
VSTDICC010

Tgt Ion: 91 Resp: 115597

Ion Ratio Lower Upper

91 100

106 31.1 25.8 38.6



#68

m/p-Xylenes

Concen: 17.467 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD079439.D

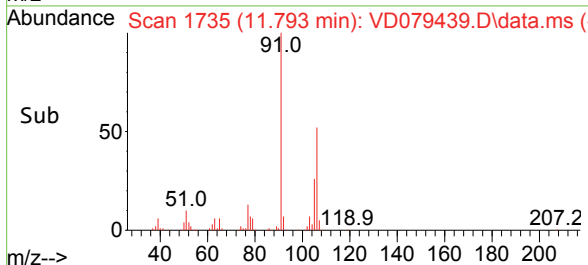
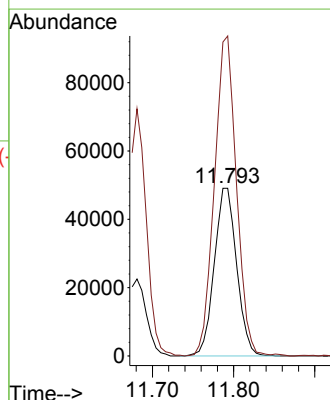
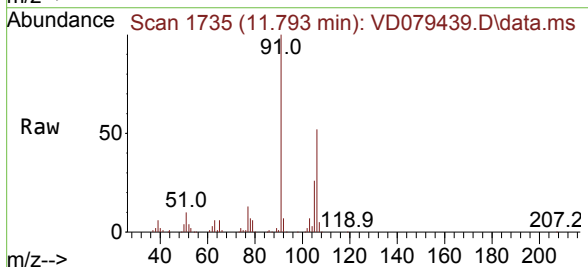
Acq: 29 Jul 2024 16:28

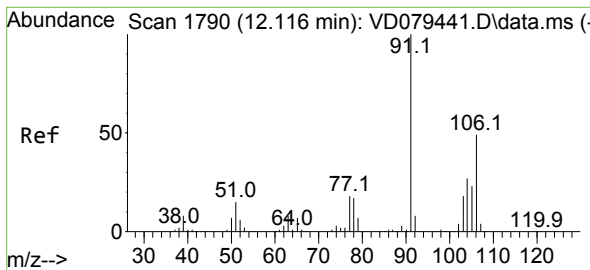
Tgt Ion: 106 Resp: 94076

Ion Ratio Lower Upper

106 100

91 187.5 148.5 222.7





#69

o-Xylene

Concen: 8.127 ug/l

RT: 12.116 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

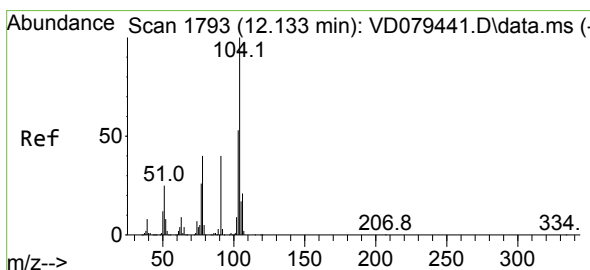
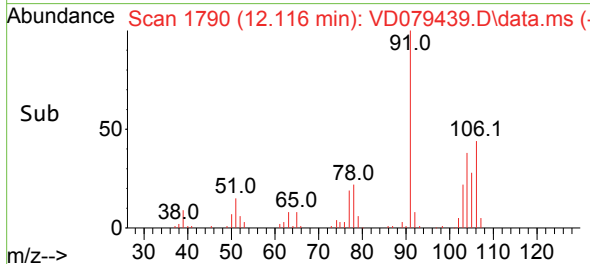
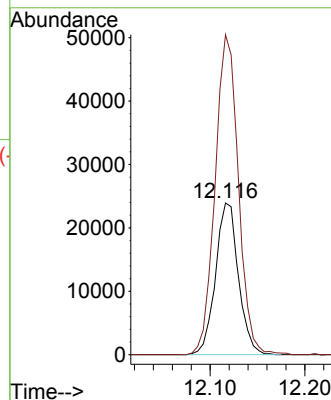
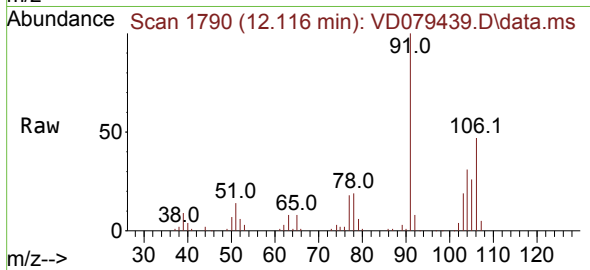
VSTDIC010

Tgt Ion:106 Resp: 40122

Ion Ratio Lower Upper

106 100

91 214.8 96.7 290.1



#70

Styrene

Concen: 8.572 ug/l

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

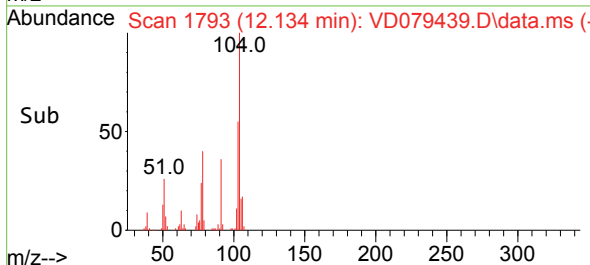
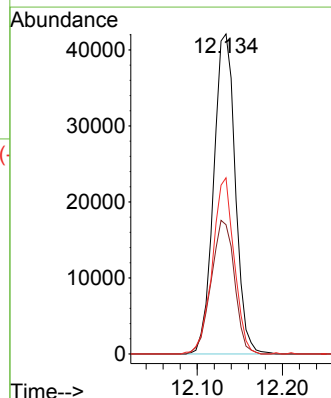
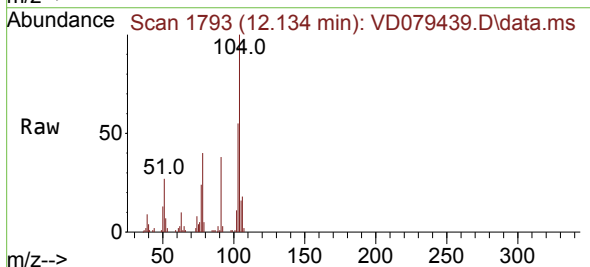
Tgt Ion:104 Resp: 74194

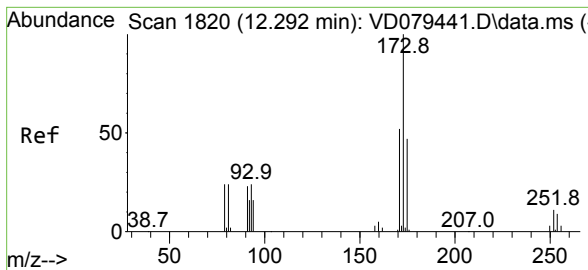
Ion Ratio Lower Upper

104 100

78 44.9 33.0 49.6

103 55.4 44.2 66.4

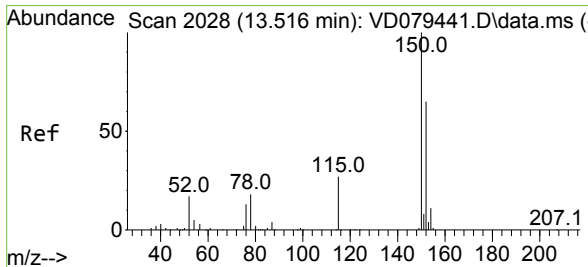
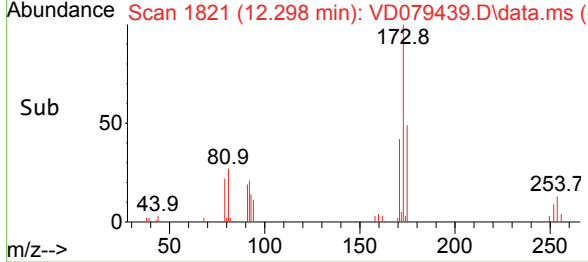
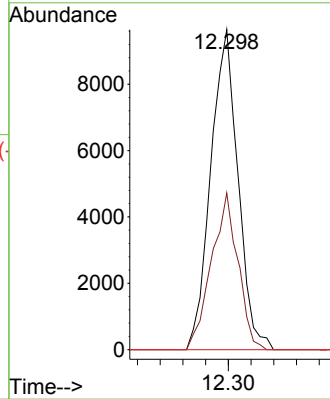
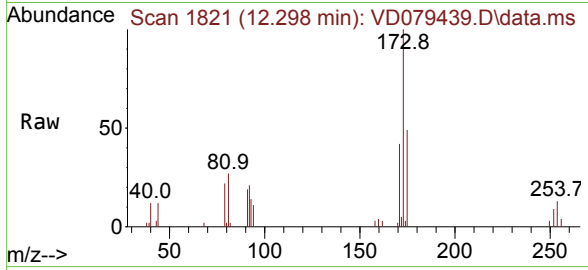




#71  
Bromoform  
Concen: 10.413 ug/l  
RT: 12.298 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

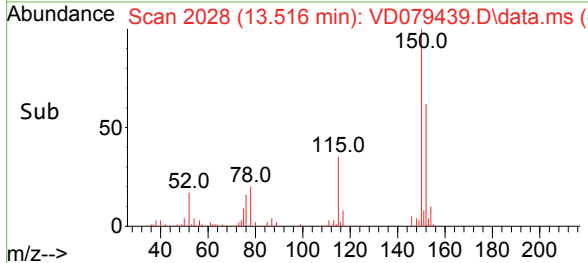
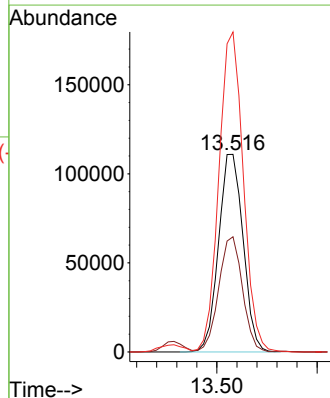
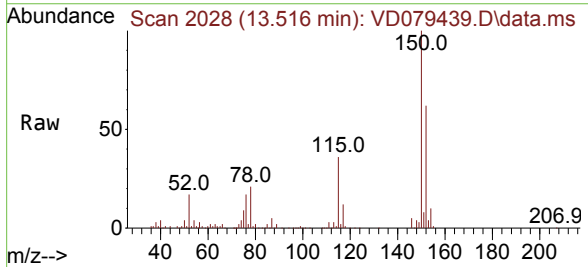
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

Tgt Ion:173 Resp: 16062  
Ion Ratio Lower Upper  
173 100  
175 47.8 23.7 71.1  
254 0.0 0.0 0.0

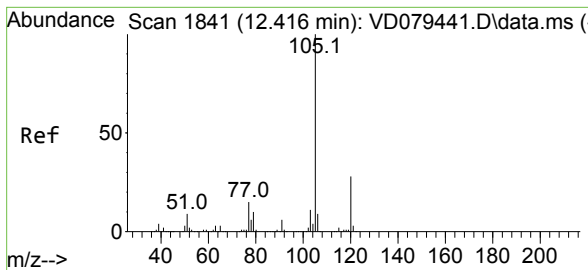


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion:152 Resp: 188522  
Ion Ratio Lower Upper  
152 100  
115 55.9 26.5 79.5  
150 161.0 0.0 341.6



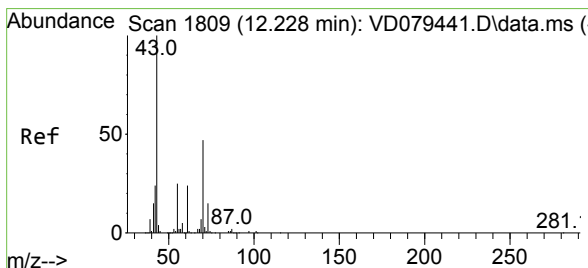
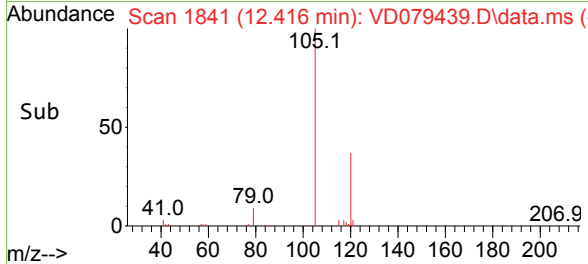
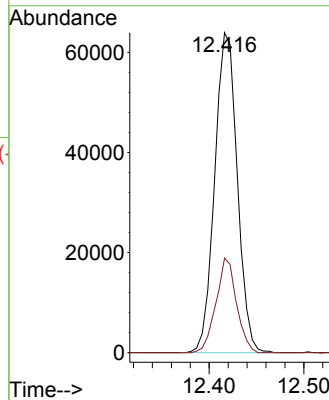
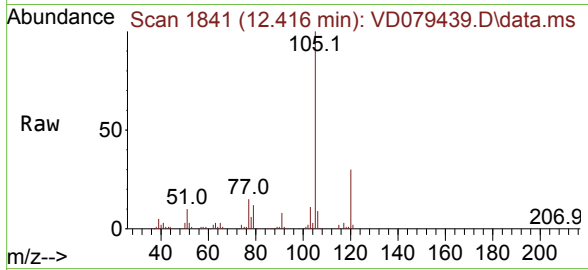




#73  
Isopropylbenzene  
Concen: 10.580 ug/l  
RT: 12.416 min Scan# 1841  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

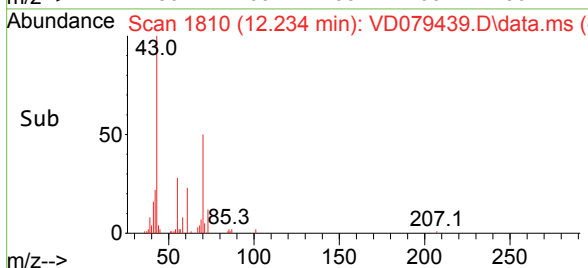
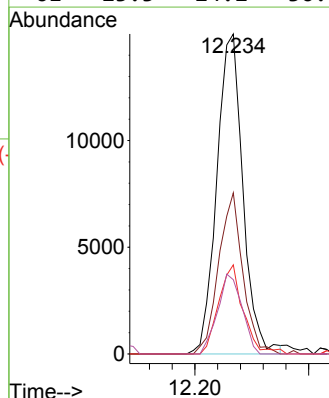
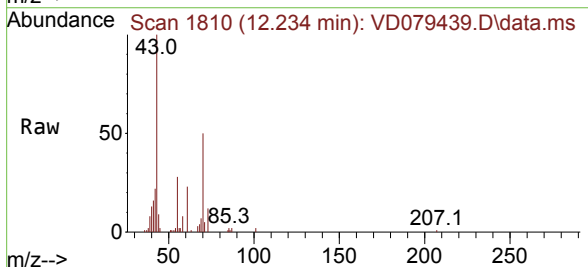
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

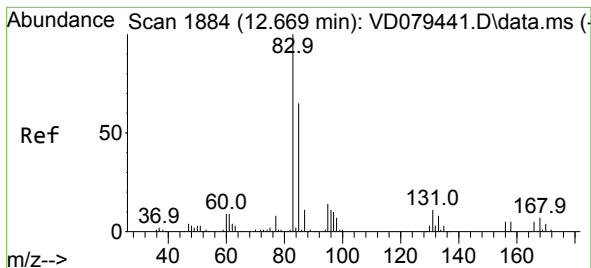
Tgt Ion:105 Resp: 105842  
Ion Ratio Lower Upper  
105 100  
120 26.9 13.6 40.7



#74  
N-ethyl acetate  
Concen: 8.632 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. 0.006 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 43 Resp: 23936  
Ion Ratio Lower Upper  
43 100  
70 46.8 44.3 66.5  
55 26.3 23.2 34.8  
61 23.3 24.2 36.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 9.775 ug/l

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

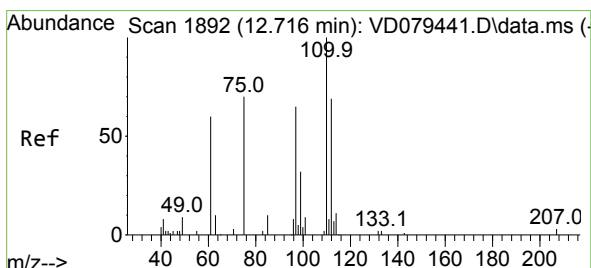
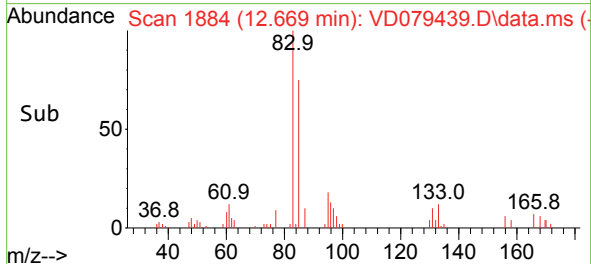
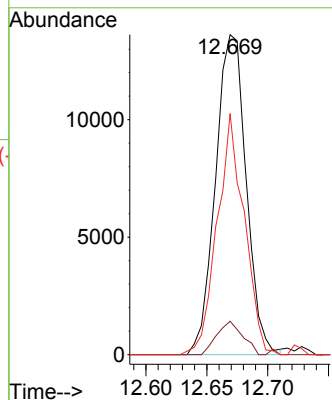
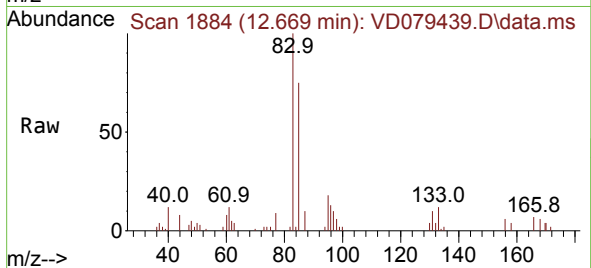
Tgt Ion: 83 Resp: 23941

Ion Ratio Lower Upper

83 100

131 8.8 5.5 16.5

85 66.4 33.8 101.3



#76

1,2,3-Trichloropropane

Concen: 16.858 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. 0.006 min

Lab File: VD079439.D

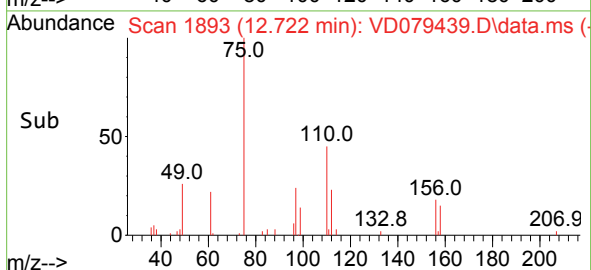
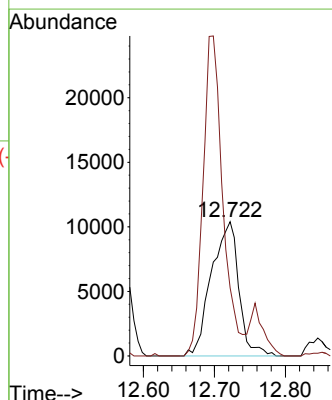
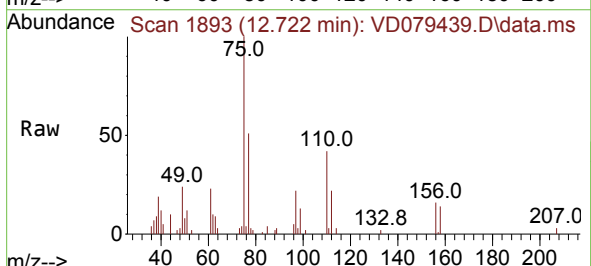
Acq: 29 Jul 2024 16:28

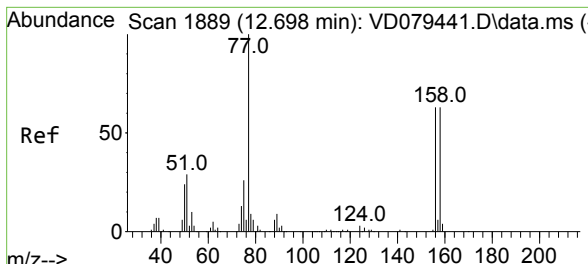
Tgt Ion: 75 Resp: 27883

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

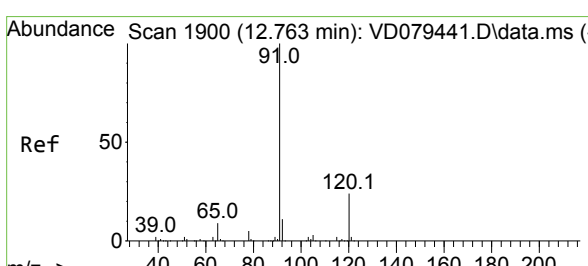
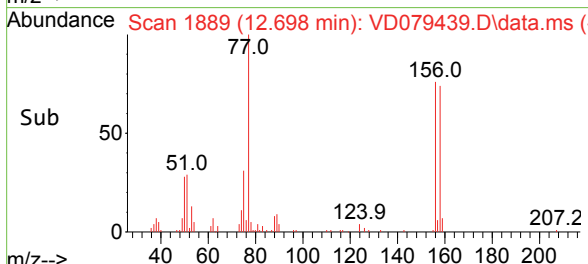
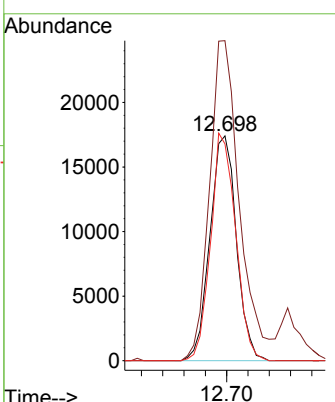
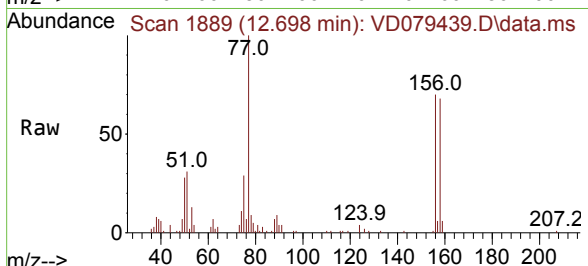




#77  
 Bromobenzene  
 Concen: 9.500 ug/l  
 RT: 12.698 min Scan# 1889  
 Delta R.T. 0.000 min  
 Lab File: VD079439.D  
 Acq: 29 Jul 2024 16:28

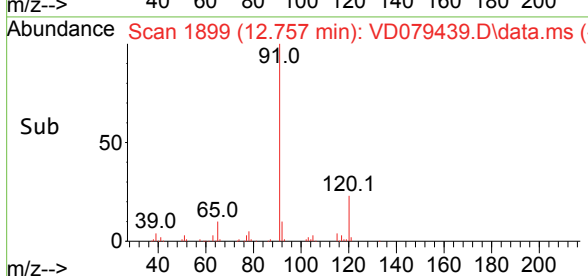
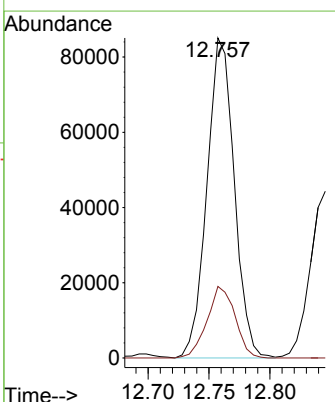
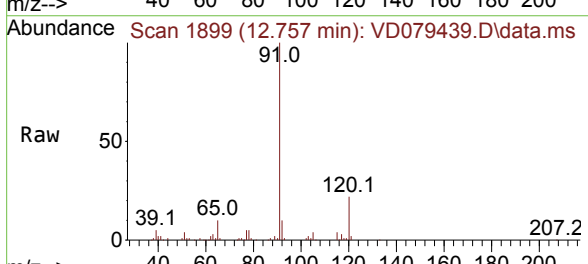
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

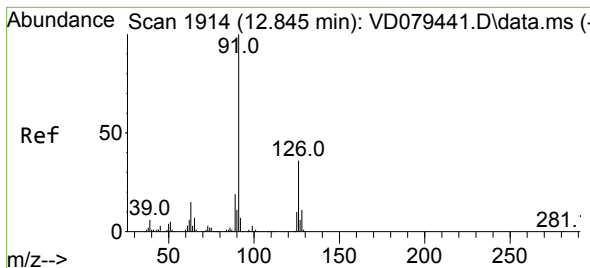
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 30031 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 160.0 | 77.3  | 231.9 |
| 158       | 95.6  | 49.6  | 149.0 |



#78  
 n-propylbenzene  
 Concen: 8.434 ug/l  
 RT: 12.757 min Scan# 1899  
 Delta R.T. -0.006 min  
 Lab File: VD079439.D  
 Acq: 29 Jul 2024 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 132904 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.9  | 12.3  | 36.8   |





#79

2-Chlorotoluene

Concen: 8.620 ug/l

RT: 12.846 min Scan# 1914

Delta R.T. 0.001 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

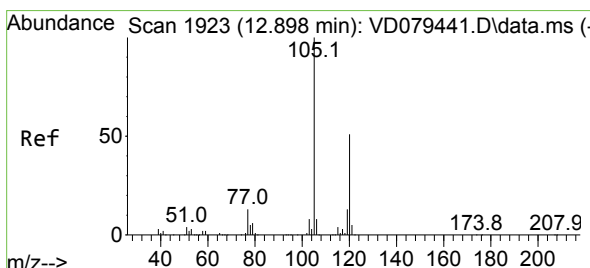
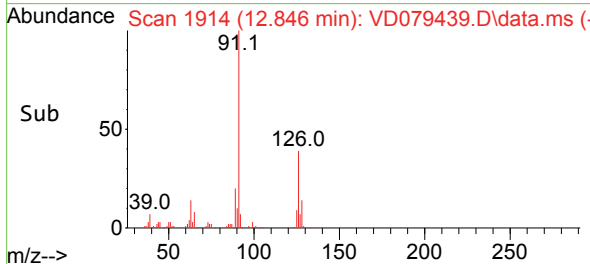
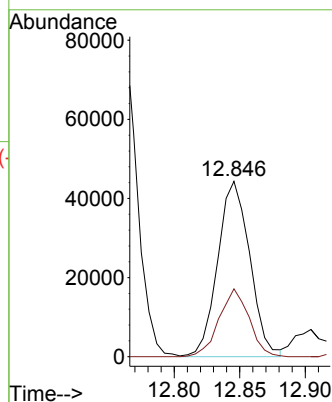
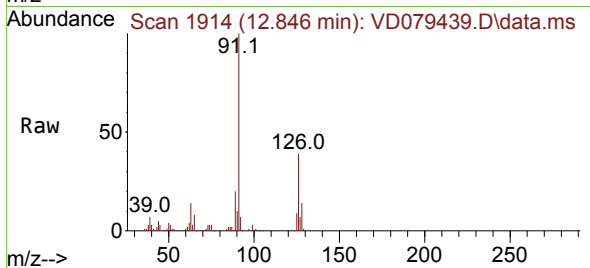
VSTDIC010

Tgt Ion: 91 Resp: 75636

Ion Ratio Lower Upper

91 100

126 36.1 19.3 57.8



#80

1,3,5-Trimethylbenzene

Concen: 8.374 ug/l

RT: 12.898 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VD079439.D

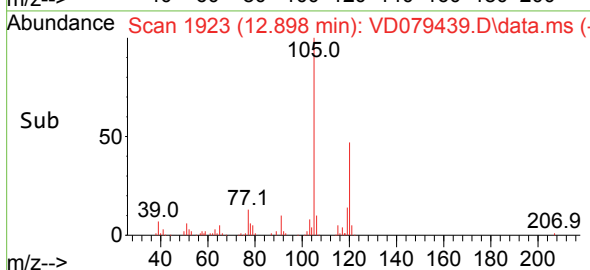
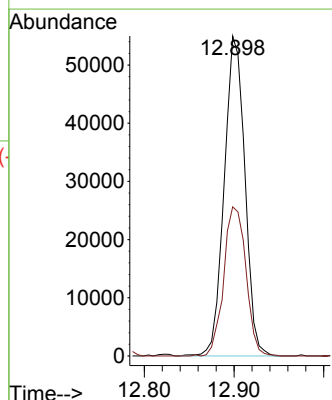
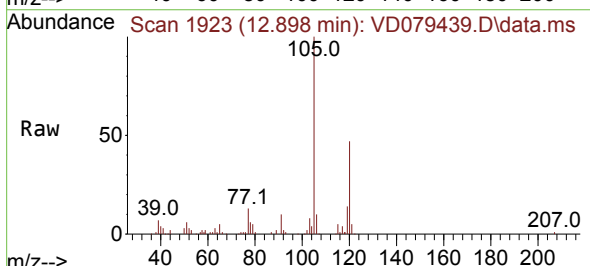
Acq: 29 Jul 2024 16:28

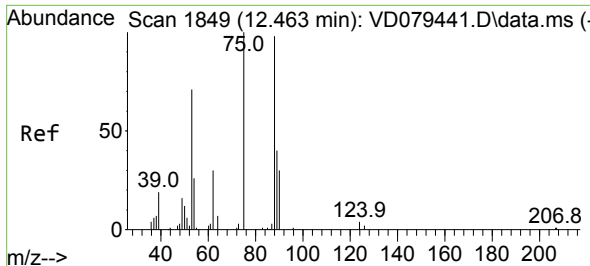
Tgt Ion: 105 Resp: 87942

Ion Ratio Lower Upper

105 100

120 50.1 25.7 77.1

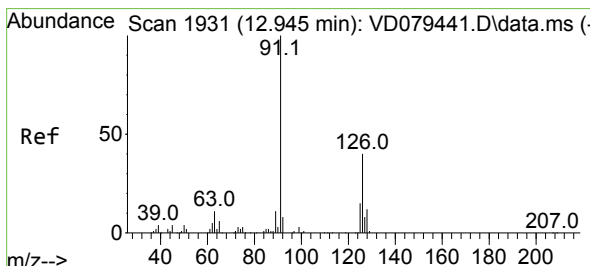
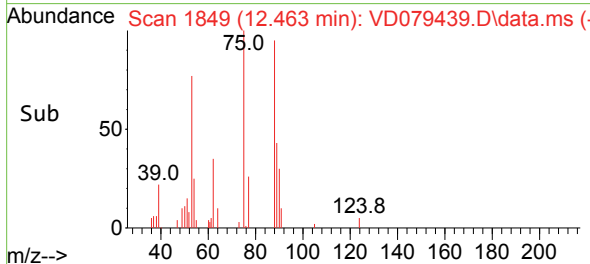
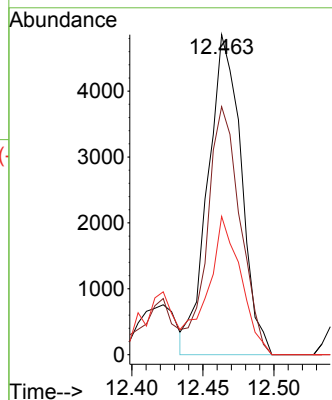
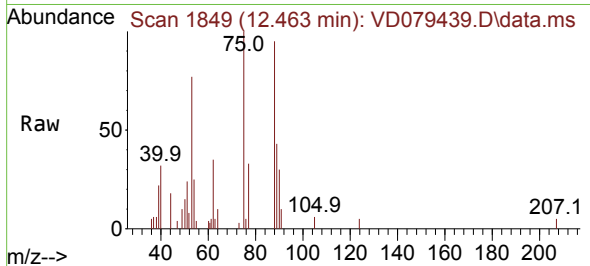




#81  
trans-1,4-Dichloro-2-butene  
Concen: 9.149 ug/l  
RT: 12.463 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

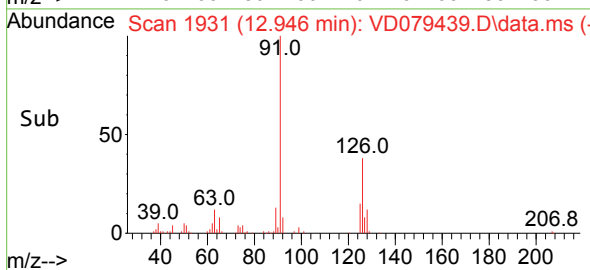
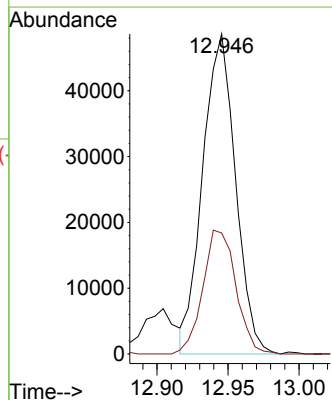
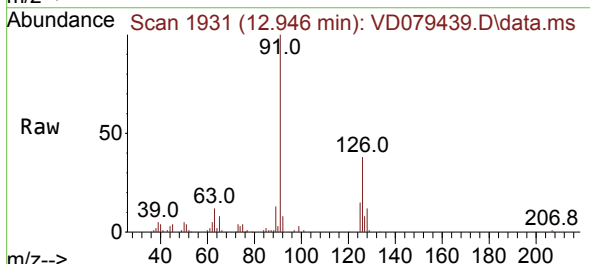
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

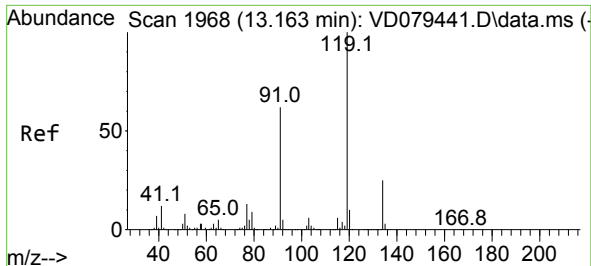
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 75    | Resp: | 7905 |
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 53        | 76.5  | 61.4  | 92.2 |
| 89        | 43.2  | 35.4  | 53.0 |



#82  
4-Chlorotoluene  
Concen: 8.527 ug/l  
RT: 12.946 min Scan# 1931  
Delta R.T. 0.001 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 78002 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 126       | 39.1  | 18.9  | 56.9  |

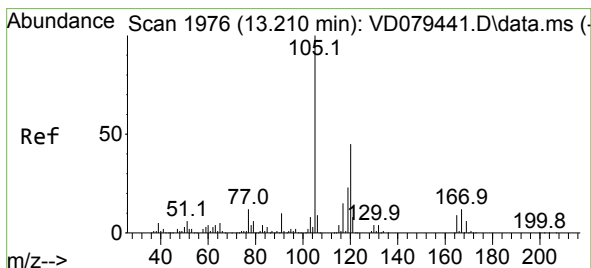
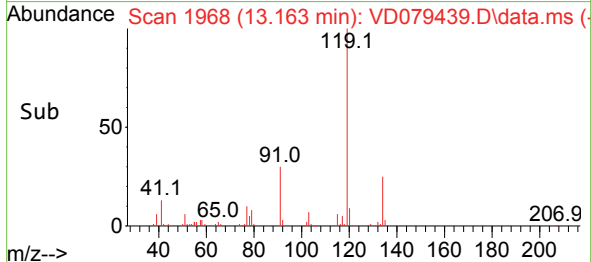
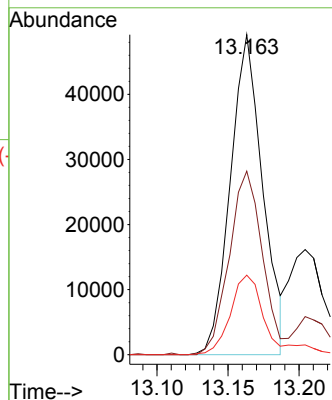
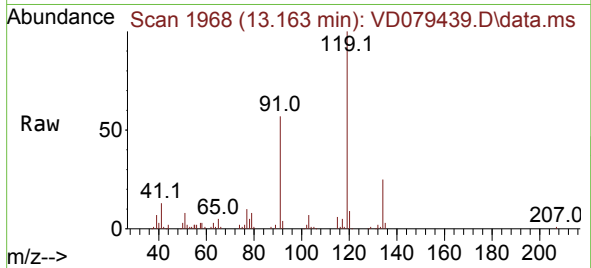




#83  
tert-Butylbenzene  
Concen: 10.721 ug/l  
RT: 13.163 min Scan# 1968  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

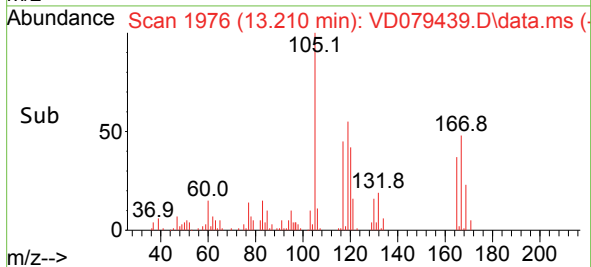
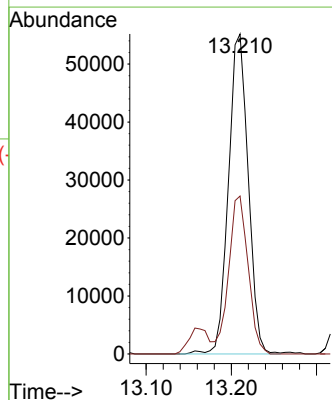
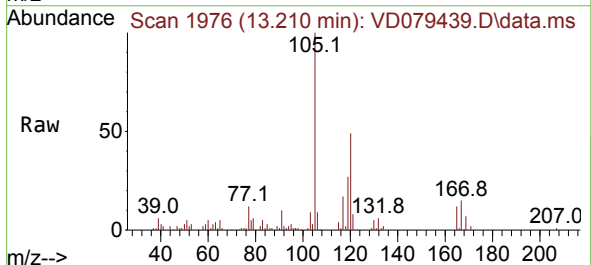
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

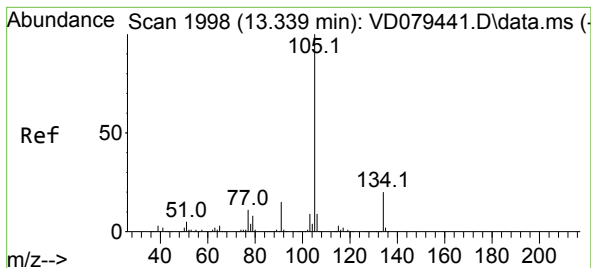
Tgt Ion:119 Resp: 77801  
Ion Ratio Lower Upper  
119 100  
91 59.5 28.2 84.7  
134 27.1 13.4 40.1



#84  
1,2,4-Trimethylbenzene  
Concen: 10.439 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion:105 Resp: 88925  
Ion Ratio Lower Upper  
105 100  
120 49.1 23.6 71.0





#85

sec-Butylbenzene

Concen: 8.494 ug/l

RT: 13.340 min Scan# 1998

Delta R.T. 0.001 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

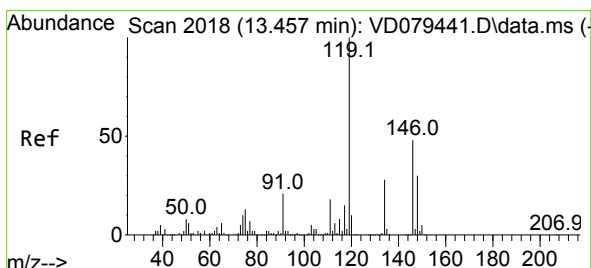
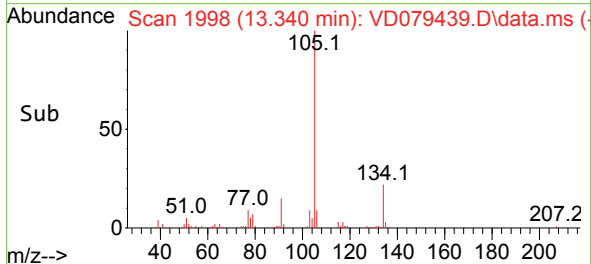
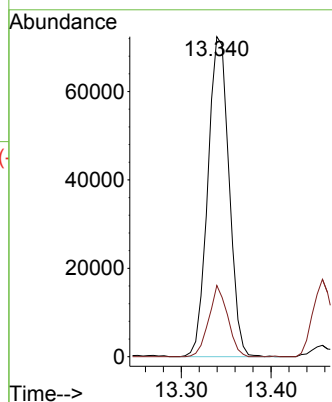
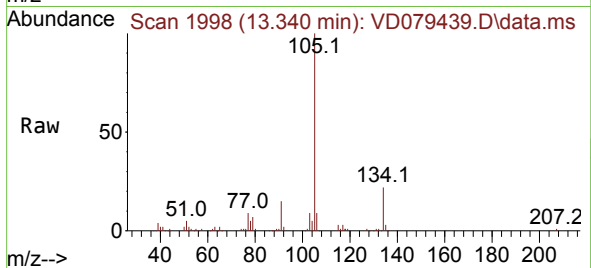
VSTDIC010

Tgt Ion:105 Resp: 118649

Ion Ratio Lower Upper

105 100

134 19.9 10.3 30.8



#86

p-Isopropyltoluene

Concen: 10.761 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

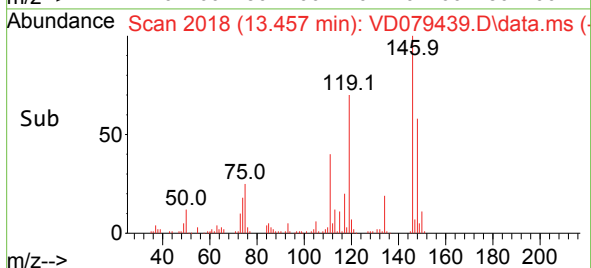
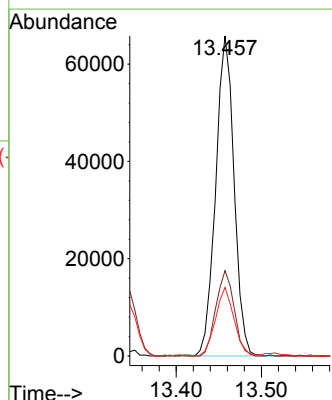
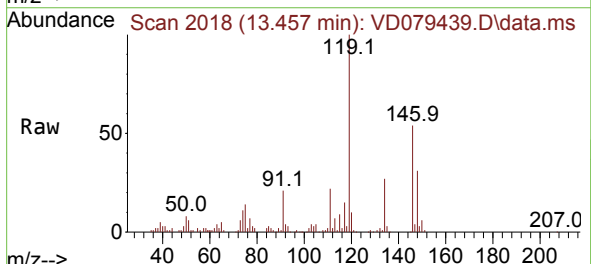
Tgt Ion:119 Resp: 98529

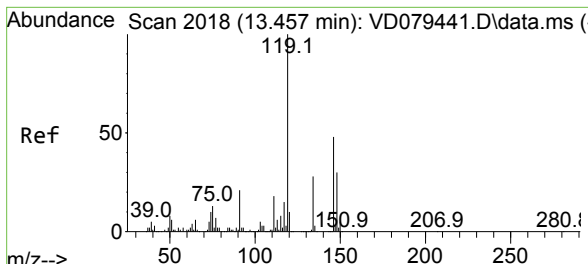
Ion Ratio Lower Upper

119 100

134 26.4 13.7 41.1

91 21.6 10.7 32.1

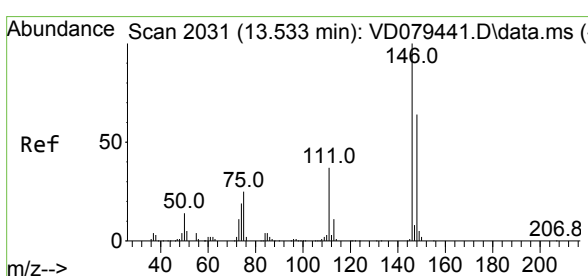
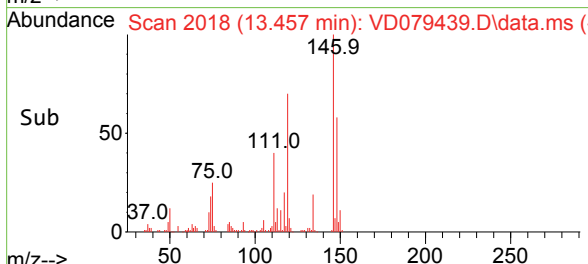
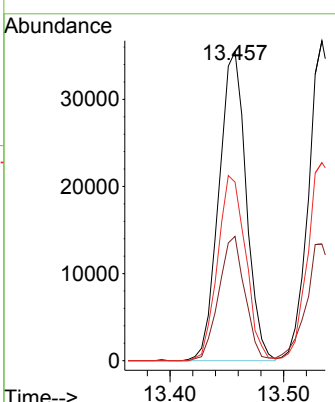
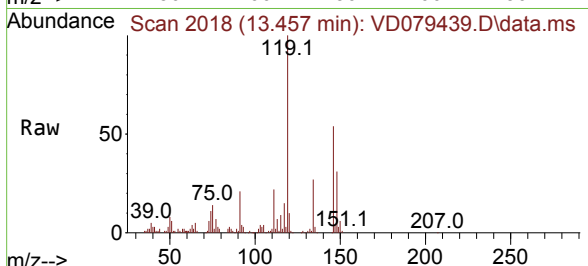




#87  
 1,3-Dichlorobenzene  
 Concen: 9.046 ug/l  
 RT: 13.457 min Scan# 2018  
 Delta R.T. 0.000 min  
 Lab File: VD079439.D  
 Acq: 29 Jul 2024 16:28

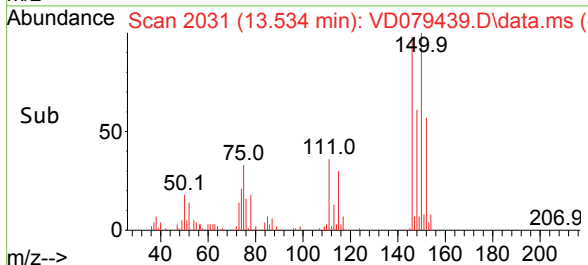
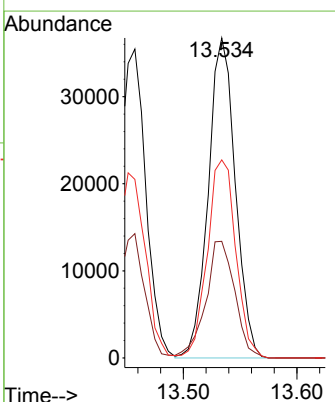
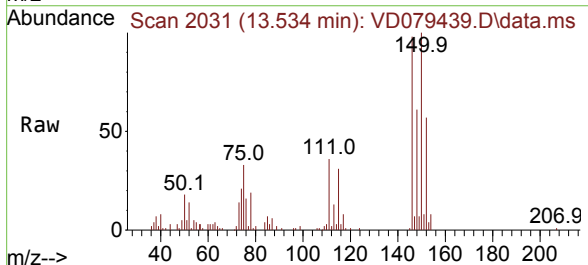
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 59230 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 38.7  | 18.5  | 55.5  |
| 148       | 61.5  | 30.9  | 92.8  |

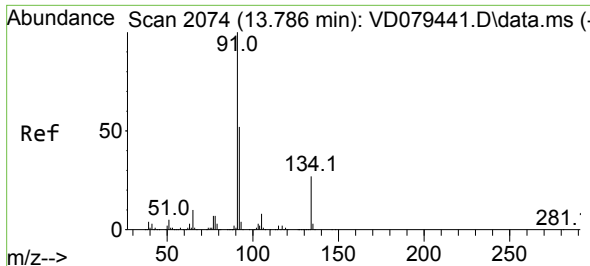


#88  
 1,4-Dichlorobenzene  
 Concen: 9.459 ug/l  
 RT: 13.534 min Scan# 2031  
 Delta R.T. 0.001 min  
 Lab File: VD079439.D  
 Acq: 29 Jul 2024 16:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 60894 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 39.1  | 17.5  | 52.6  |
| 148       | 65.1  | 31.4  | 94.2  |



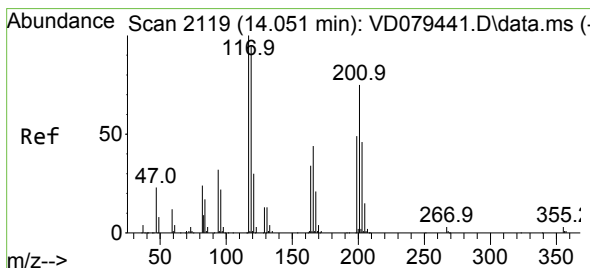
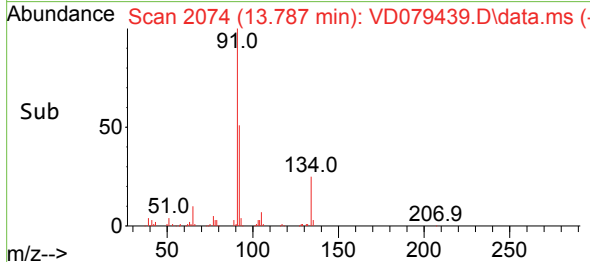
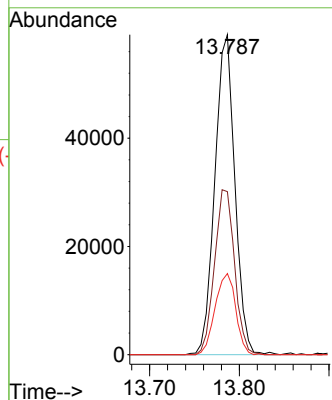
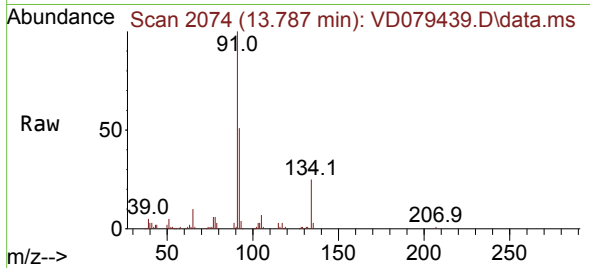




#89  
n-Butylbenzene  
Concen: 10.715 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. 0.001 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

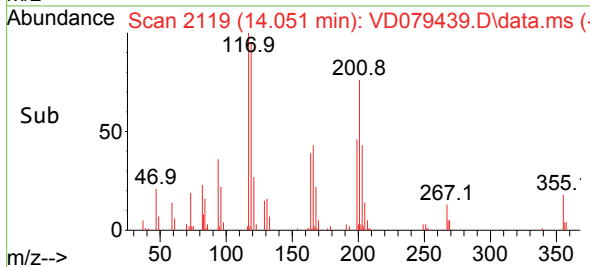
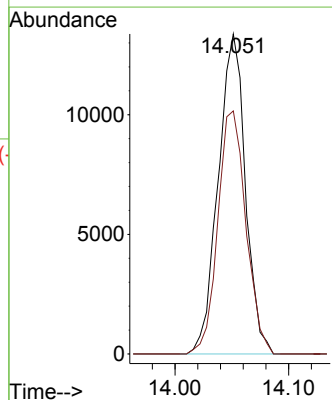
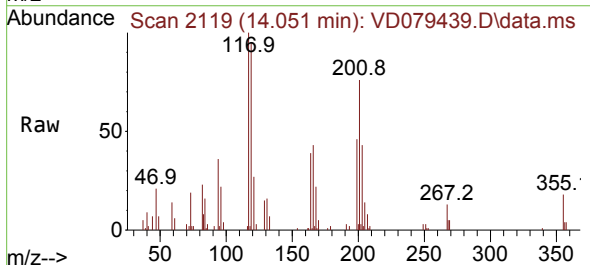
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

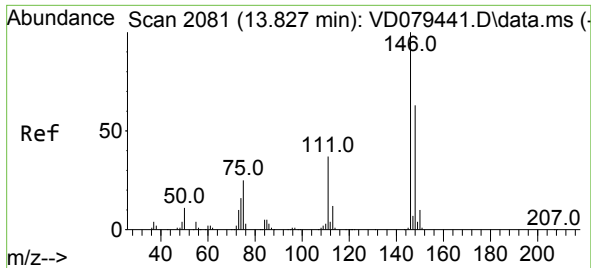
Tgt Ion: 91 Resp: 91545  
Ion Ratio Lower Upper  
91 100  
92 51.7 25.7 77.0  
134 26.1 13.6 40.8



#90  
Hexachloroethane  
Concen: 9.107 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 117 Resp: 22248  
Ion Ratio Lower Upper  
117 100  
201 78.5 36.3 108.9

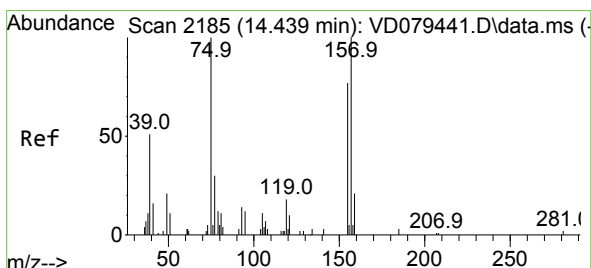
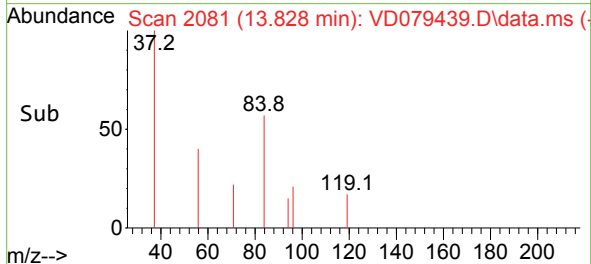
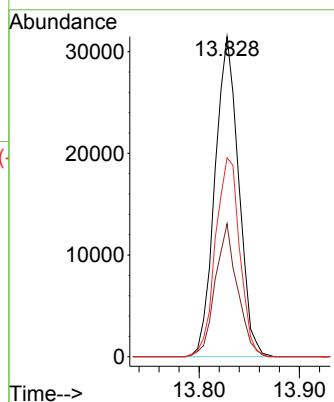
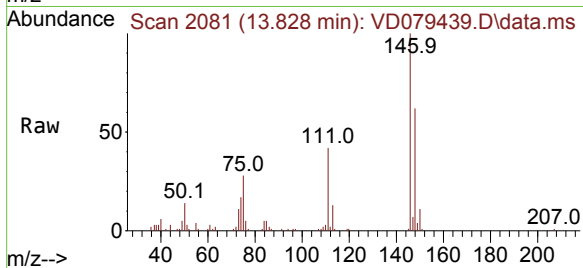




#91  
1,2-Dichlorobenzene  
Concen: 9.240 ug/l  
RT: 13.828 min Scan# 2081  
Delta R.T. 0.001 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

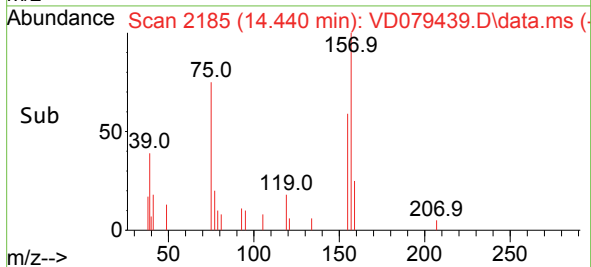
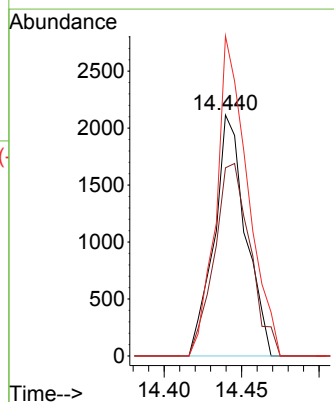
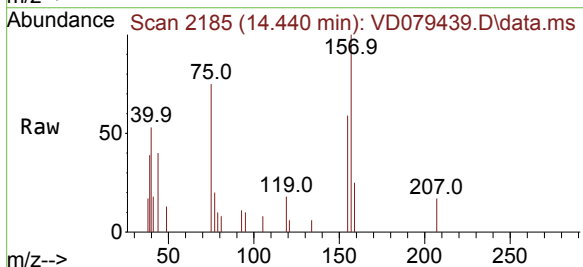
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

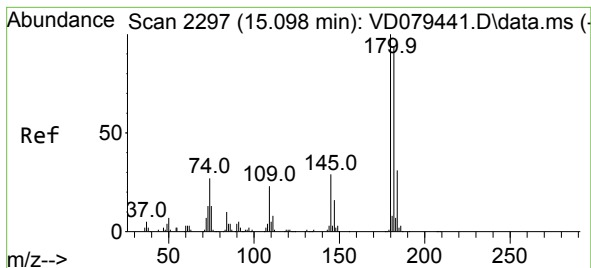
Tgt Ion:146 Resp: 51706  
Ion Ratio Lower Upper  
146 100  
111 38.9 19.1 57.1  
148 63.5 31.1 93.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 9.188 ug/l  
RT: 14.440 min Scan# 2185  
Delta R.T. 0.000 min  
Lab File: VD079439.D  
Acq: 29 Jul 2024 16:28

Tgt Ion: 75 Resp: 2994  
Ion Ratio Lower Upper  
75 100  
155 90.9 47.7 143.1  
157 132.5 63.4 190.2





#93

1,2,4-Trichlorobenzene

Concen: 8.346 ug/l

RT: 15.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICC010

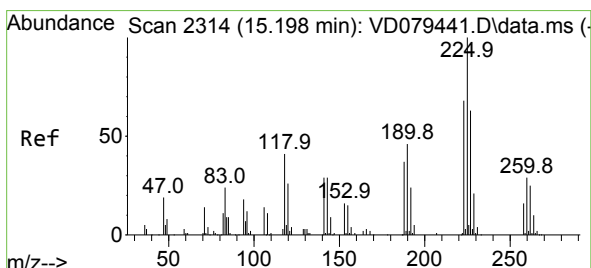
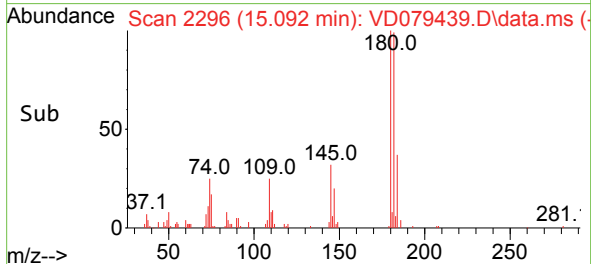
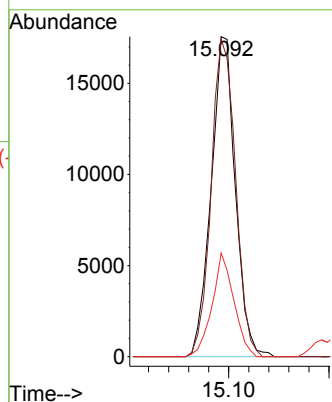
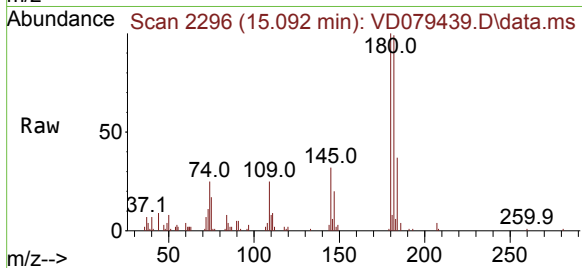
Tgt Ion:180 Resp: 29428

Ion Ratio Lower Upper

180 100

182 99.8 46.9 140.7

145 29.1 14.0 41.9



#94

Hexachlorobutadiene

Concen: 9.109 ug/l

RT: 15.198 min Scan# 2314

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

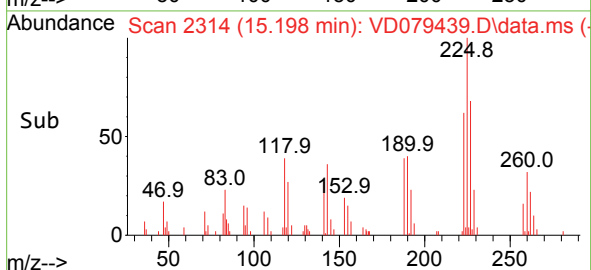
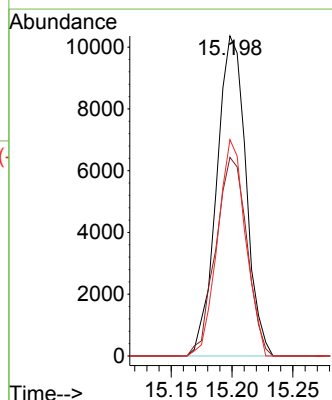
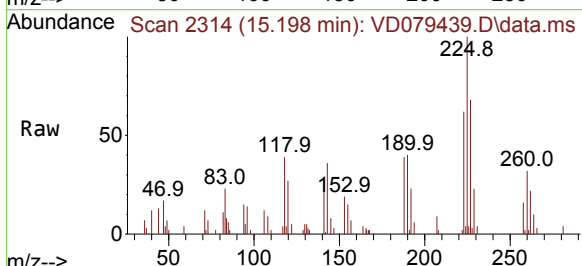
Tgt Ion:225 Resp: 17334

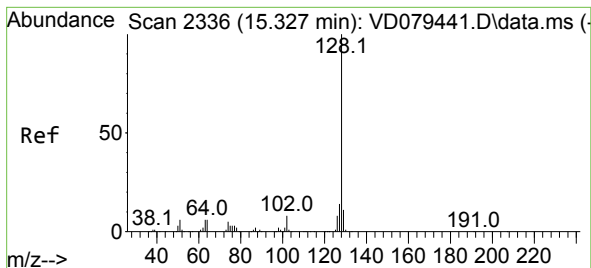
Ion Ratio Lower Upper

225 100

223 66.1 33.3 99.9

227 64.7 33.6 100.6





#95

Naphthalene

Concen: 8.752 ug/l

RT: 15.328 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

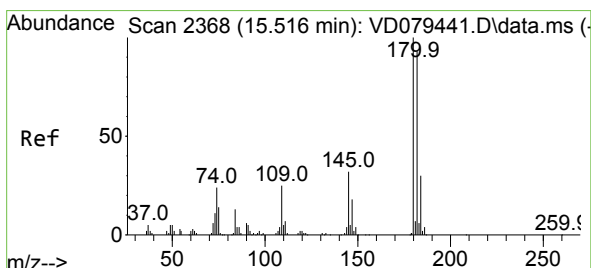
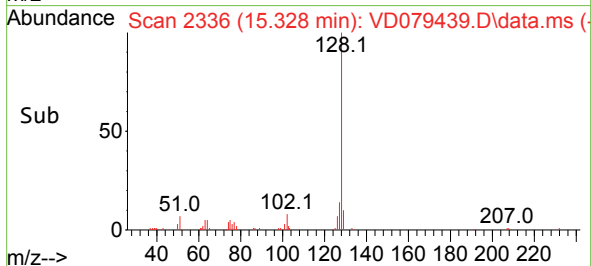
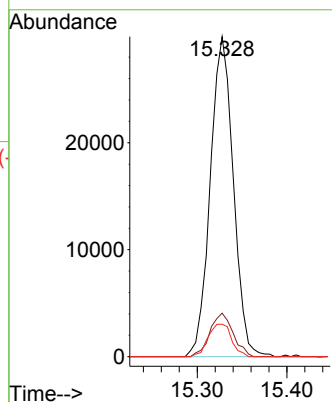
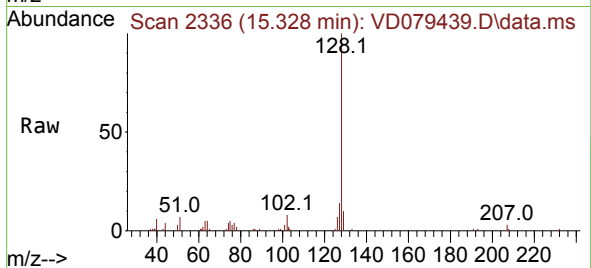
Tgt Ion:128 Resp: 53408

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

129 10.1 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 8.902 ug/l

RT: 15.516 min Scan# 2368

Delta R.T. 0.000 min

Lab File: VD079439.D

Acq: 29 Jul 2024 16:28

Tgt Ion:180 Resp: 27609

Ion Ratio Lower Upper

180 100

182 90.7 47.8 143.3

145 28.3 16.1 48.2

