

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110623\  
 Data File : VD077506.D  
 Acq On : 06 Nov 2023 11:34  
 Operator : JC/SY  
 Sample : VD1106SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 07 02:08:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D103023S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 31 04:19:17 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 7.875  | 168   | 226715   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.781  | 114   | 402805   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 348859   | 50.000   | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4   | 13.522 | 152   | 160369   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.228  | 65    | 150777   | 47.032   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =     | 94.060%  |
| 35) Dibromofluoromethane     | 7.805  | 113   | 134137   | 48.181   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =     | 96.360%  |
| 50) Toluene-d8               | 10.269 | 98    | 551268   | 50.978   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =     | 101.960% |
| 62) 4-Bromofluorobenzene     | 12.575 | 95    | 171892   | 47.195   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | =     | 94.380%  |
| Target Compounds             |        |       |          |          |       |          |
|                              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934  | 85    | 34197    | 18.707   | ug/l  | 97       |
| 3) Chloromethane             | 2.152  | 50    | 53369    | 18.388   | ug/l  | 99       |
| 4) Vinyl Chloride            | 2.287  | 62    | 60868    | 21.507   | ug/l  | 97       |
| 5) Bromomethane              | 2.693  | 94    | 34015    | 22.936   | ug/l  | 99       |
| 6) Chloroethane              | 2.840  | 64    | 44275    | 23.236   | ug/l  | 94       |
| 7) Trichlorofluoromethane    | 3.181  | 101   | 77221    | 19.484   | ug/l  | 98       |
| 8) Diethyl Ether             | 3.593  | 74    | 25009    | 17.554   | ug/l  | # 53     |
| 9) 1,1,2-Trichlorotrifluo... | 3.970  | 101   | 46130    | 19.280   | ug/l  | 92       |
| 10) Methyl Iodide            | 4.175  | 142   | 38094    | 14.961   | ug/l  | # 86     |
| 11) Tert butyl alcohol       | 5.046  | 59    | 24435    | 96.221   | ug/l  | # 86     |
| 12) 1,1-Dichloroethene       | 3.946  | 96    | 41670    | 18.396   | ug/l  | # 69     |
| 13) Acrolein                 | 3.793  | 56    | 30879    | 92.209   | ug/l  | 99       |
| 14) Allyl chloride           | 4.570  | 41    | 97631    | 17.866   | ug/l  | # 82     |
| 15) Acrylonitrile            | 5.258  | 53    | 72958    | 94.732   | ug/l  | 95       |
| 16) Acetone                  | 4.028  | 43    | 91190    | 107.496  | ug/l  | # 78     |
| 17) Carbon Disulfide         | 4.275  | 76    | 79158    | 14.234   | ug/l  | 96       |
| 18) Methyl Acetate           | 4.570  | 43    | 55419    | 17.910   | ug/l  | # 78     |
| 19) Methyl tert-butyl Ether  | 5.317  | 73    | 129101   | 18.157   | ug/l  | 97       |
| 20) Methylene Chloride       | 4.805  | 84    | 72710    | 21.417   | ug/l  | # 68     |
| 21) trans-1,2-Dichloroethene | 5.322  | 96    | 46386    | 17.583   | ug/l  | # 81     |
| 22) Diisopropyl ether        | 6.222  | 45    | 212681   | 18.312   | ug/l  | # 89     |
| 23) Vinyl Acetate            | 6.158  | 43    | 523294   | 104.440  | ug/l  | # 84     |
| 24) 1,1-Dichloroethane       | 6.117  | 63    | 112758   | 18.711   | ug/l  | 94       |
| 25) 2-Butanone               | 7.081  | 43    | 110781   | 97.905   | ug/l  | # 74     |
| 26) 2,2-Dichloropropane      | 7.075  | 77    | 102440   | 19.181   | ug/l  | 87       |
| 27) cis-1,2-Dichloroethene   | 7.081  | 96    | 60117    | 18.394   | ug/l  | 68       |
| 28) Bromochloromethane       | 7.422  | 49    | 41449    | 16.638   | ug/l  | # 55     |
| 29) Tetrahydrofuran          | 7.446  | 42    | 60533    | 90.201   | ug/l  | # 71     |
| 30) Chloroform               | 7.593  | 83    | 106246   | 18.882   | ug/l  | 88       |
| 31) Cyclohexane              | 7.875  | 56    | 86580    | 17.276   | ug/l  | # 75     |
| 32) 1,1,1-Trichloroethane    | 7.799  | 97    | 91787    | 19.799   | ug/l  | 94       |
| 36) 1,1-Dichloropropene      | 8.011  | 75    | 74396    | 18.023   | ug/l  | 94       |
| 37) Ethyl Acetate            | 7.175  | 43    | 43497    | 18.362   | ug/l  | # 90     |
| 38) Carbon Tetrachloride     | 7.993  | 117   | 75025    | 19.288   | ug/l  | 96       |
| 39) Methylcyclohexane        | 9.275  | 83    | 80185    | 17.025   | ug/l  | # 81     |
| 40) Benzene                  | 8.252  | 78    | 219226   | 18.625   | ug/l  | 100      |

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 Sample : VD1106SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 07 02:08:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D103023S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 31 04:19:17 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 24863    | 16.403  | ug/l # | 76       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 68068    | 18.258  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 89011    | 18.208  | ug/l # | 80       |
| 44) Trichloroethene           | 9.034  | 130  | 53840    | 18.674  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 64891    | 18.726  | ug/l   | 96       |
| 46) Dibromomethane            | 9.399  | 93   | 28799    | 17.269  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.587  | 83   | 83020    | 18.835  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 36885    | 15.807  | ug/l # | 70       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 6736     | 375.906 | ug/l # | 55       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 222191   | 92.342  | ug/l # | 82       |
| 52) Toluene                   | 10.334 | 92   | 138137   | 19.251  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 87515    | 18.750  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 98514    | 18.342  | ug/l # | 81       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 42636    | 19.163  | ug/l   | 91       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 59614    | 18.021  | ug/l # | 64       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 78690    | 18.922  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 143523   | 86.662  | ug/l # | 86       |
| 59) 2-Hexanone                | 10.922 | 43   | 174106   | 98.223  | ug/l   | 78       |
| 60) Dibromochloromethane      | 11.075 | 129  | 50237    | 18.778  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 37534    | 17.814  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 42148    | 18.977  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.610 | 112  | 144207   | 19.731  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 53872    | 19.506  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.687 | 91   | 277686   | 19.747  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.793 | 106  | 200176   | 39.420  | ug/l   | 81       |
| 69) o-Xylene                  | 12.122 | 106  | 96352    | 19.809  | ug/l   | 83       |
| 70) Styrene                   | 12.140 | 104  | 164503   | 19.604  | ug/l # | 89       |
| 71) Bromoform                 | 12.299 | 173  | 28298    | 18.481  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.422 | 105  | 264898   | 20.260  | ug/l   | 94       |
| 74) N-amyl acetate            | 12.234 | 43   | 83324    | 17.992  | ug/l # | 81       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 50646    | 19.760  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 67124    | 34.390  | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 54741    | 19.021  | ug/l   | 73       |
| 78) n-propylbenzene           | 12.763 | 91   | 335512   | 20.209  | ug/l   | 92       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 184776   | 19.657  | ug/l   | 89       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 214989   | 19.596  | ug/l   | 93       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 18989    | 18.792  | ug/l   | 85       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 185342   | 18.929  | ug/l   | 90       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 184727   | 20.027  | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 216515   | 19.867  | ug/l   | 92       |
| 85) sec-Butylbenzene          | 13.346 | 105  | 292660   | 20.736  | ug/l   | 93       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 234616   | 20.452  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 111373   | 19.687  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 111215   | 19.677  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.793 | 91   | 243762   | 20.444  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.057 | 117  | 45685    | 19.461  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 99657    | 20.045  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 8069     | 18.688  | ug/l   | 78       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 65248    | 19.104  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 35106    | 19.055  | ug/l   | 98       |
| 95) Naphthalene               | 15.334 | 128  | 126653   | 19.439  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 54818    | 18.594  | ug/l   | 98       |

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Sample : VD1106SBS01  
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Nov 07 02:08:10 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D103023S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 31 04:19:17 2023  
Response via : Initial Calibration

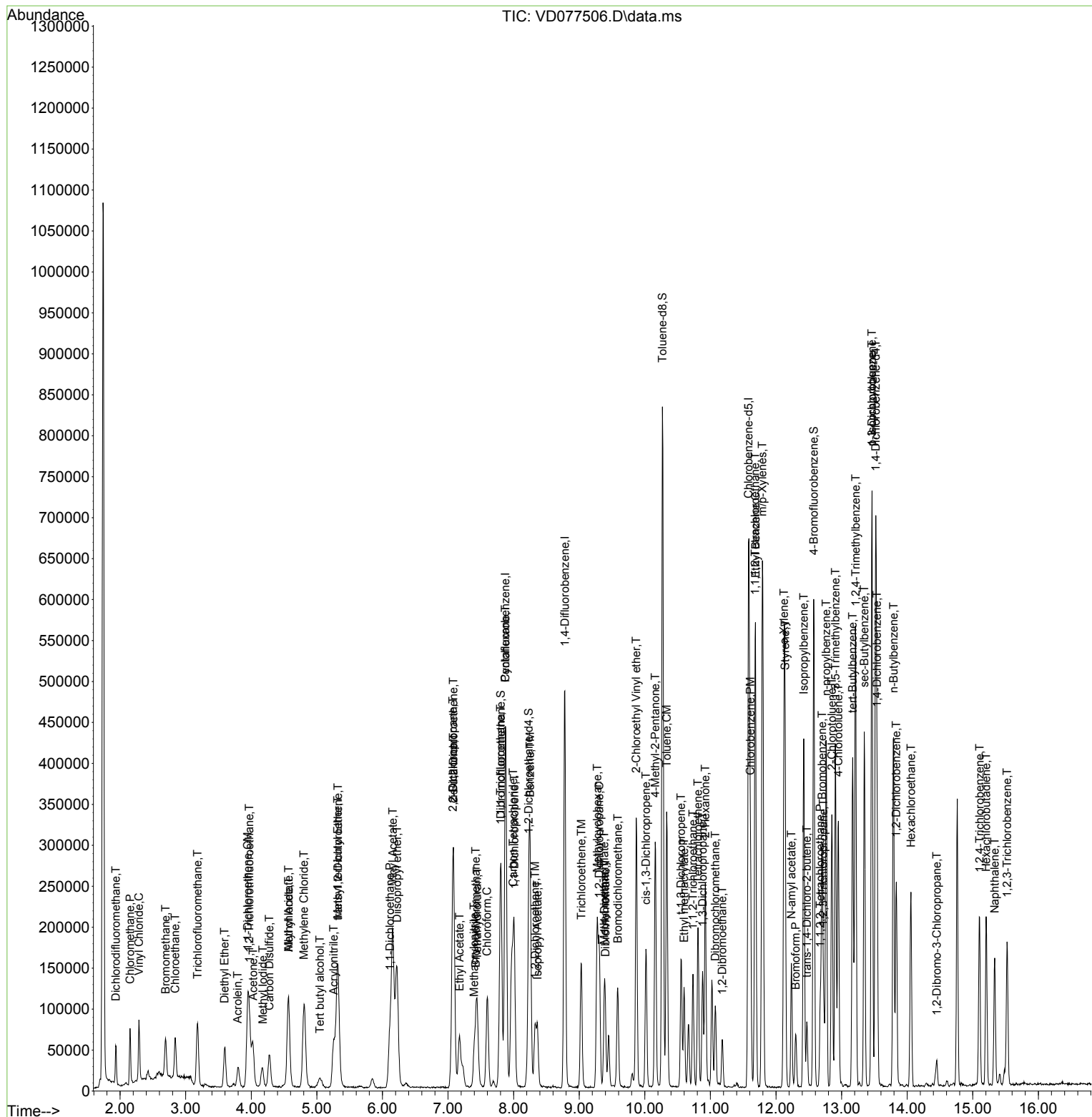
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

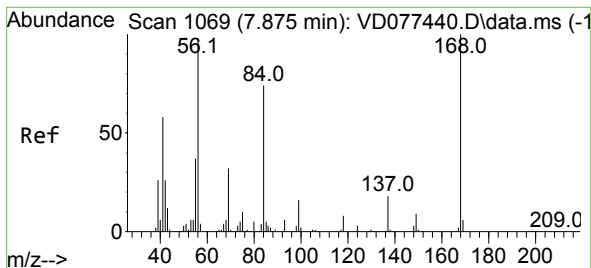
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110623\  
 Data File : VD077506.D  
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 Sample : VD1106SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
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Quant Time: Nov 07 02:08:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D103023S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 31 04:19:17 2023  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

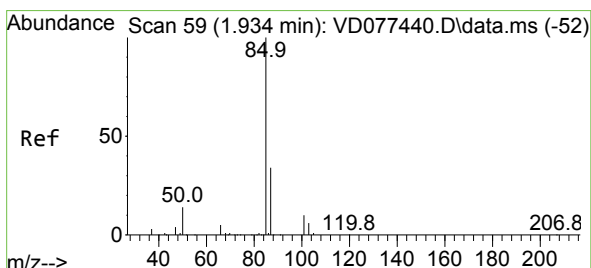
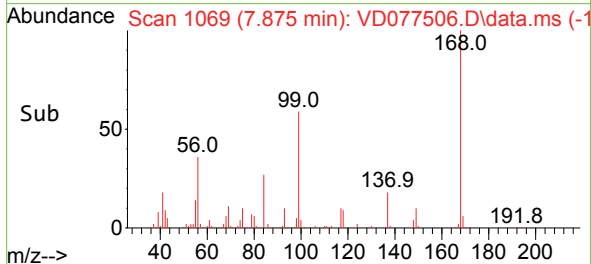
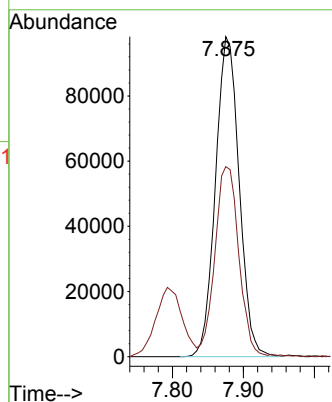
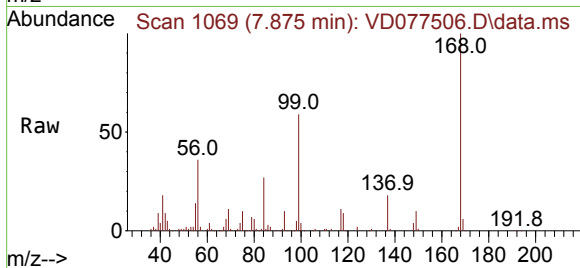
ClientSampleId :

Tgt Ion:168 Resp: 226715

Ion Ratio Lower Upper

168 100

99 58.9 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 18.707 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD077506.D

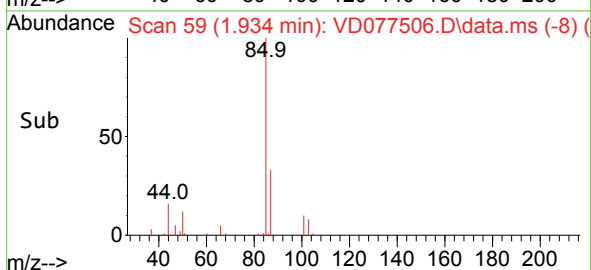
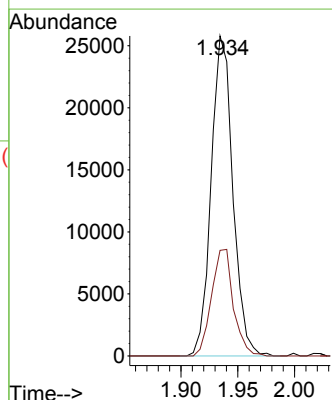
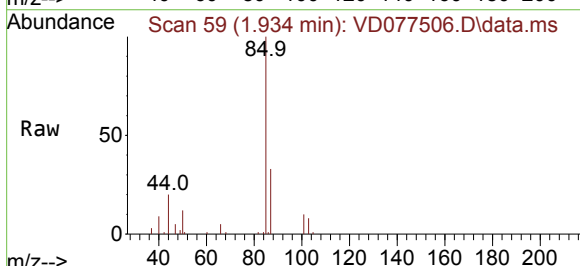
Acq: 06 Nov 2023 11:34

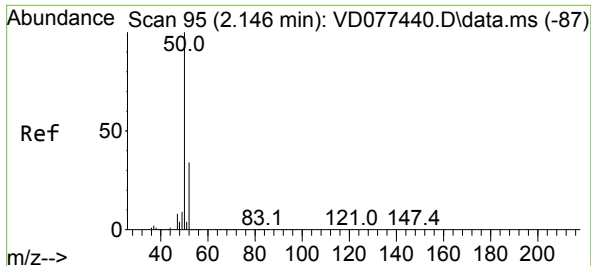
Tgt Ion: 85 Resp: 34197

Ion Ratio Lower Upper

85 100

87 33.0 15.7 47.0

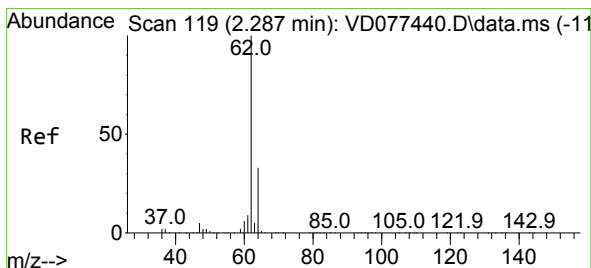
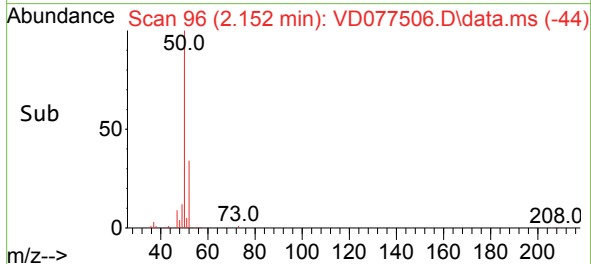
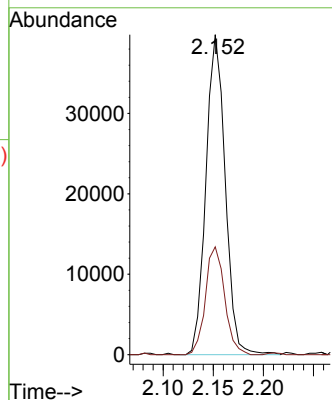
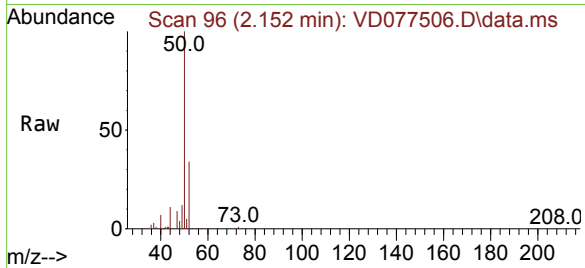




#3  
Chloromethane  
Concen: 18.388 ug/l  
RT: 2.152 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

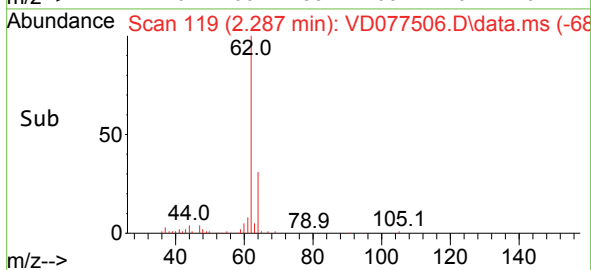
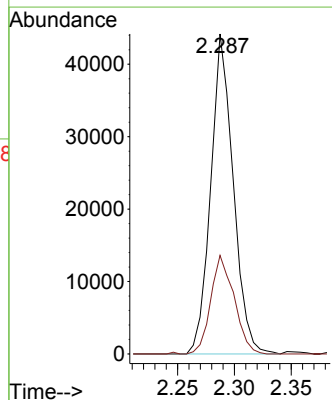
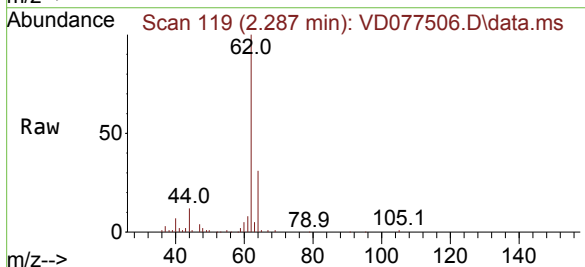
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 50 Resp: 53369  
Ion Ratio Lower Upper  
50 100  
52 33.7 26.6 40.0



#4  
Vinyl Chloride  
Concen: 21.507 ug/l  
RT: 2.287 min Scan# 119  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 62 Resp: 60868  
Ion Ratio Lower Upper  
62 100  
64 30.8 26.0 39.0

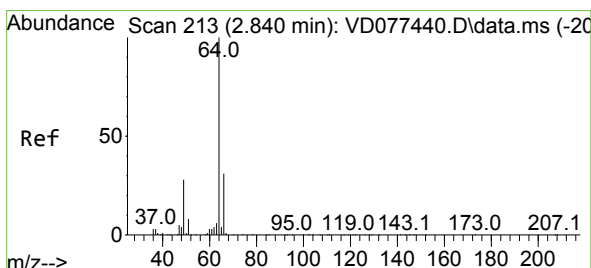
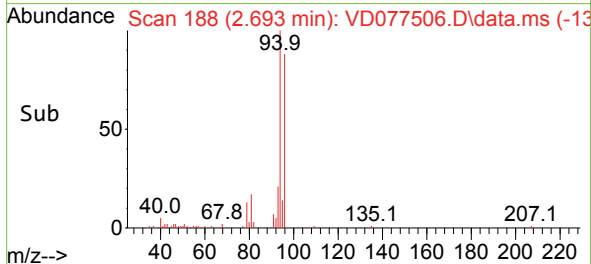
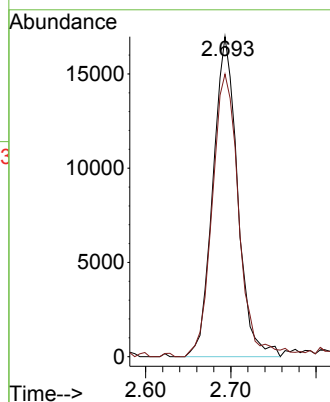
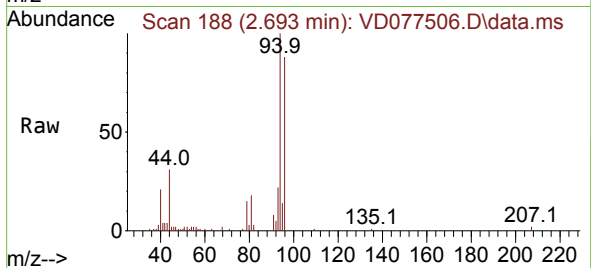




#5  
Bromomethane  
Concen: 22.936 ug/l  
RT: 2.693 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

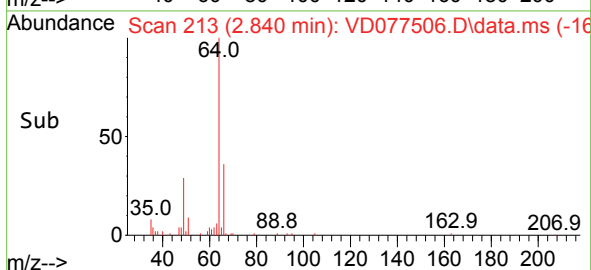
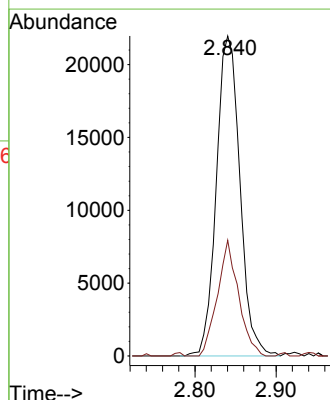
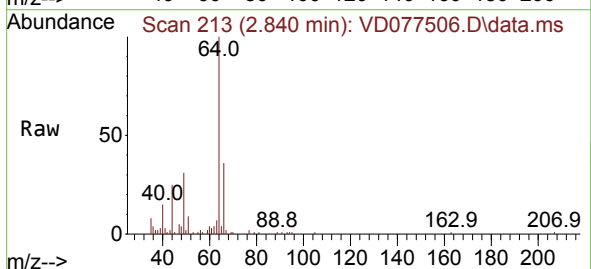
Instrument :  
MSVOA\_D  
ClientSampleId :

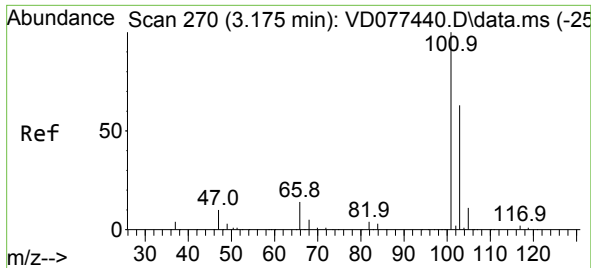
Tgt Ion: 94 Resp: 34015  
Ion Ratio Lower Upper  
94 100  
96 95.5 75.8 113.8



#6  
Chloroethane  
Concen: 23.236 ug/l  
RT: 2.840 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 64 Resp: 44275  
Ion Ratio Lower Upper  
64 100  
66 35.4 25.5 38.3

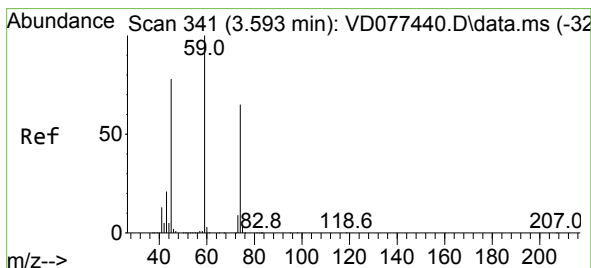
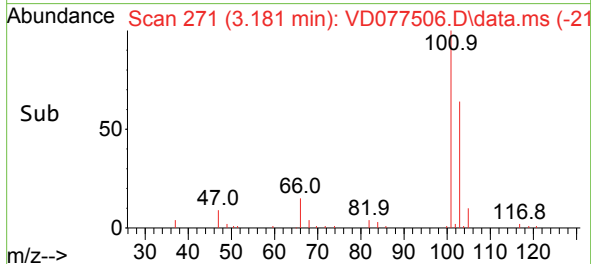
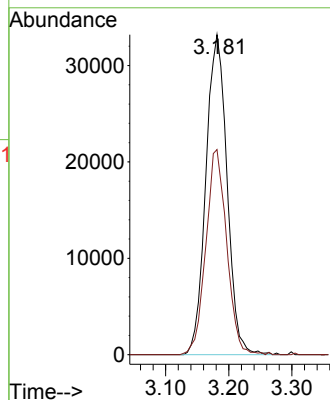
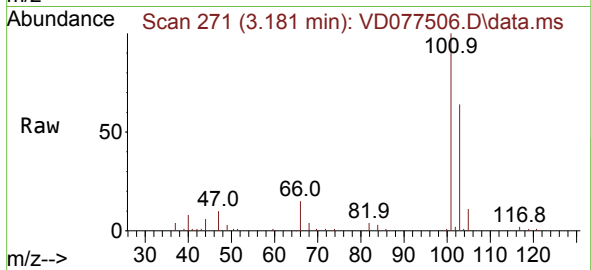




#7  
Trichlorofluoromethane  
Concen: 19.484 ug/l  
RT: 3.181 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

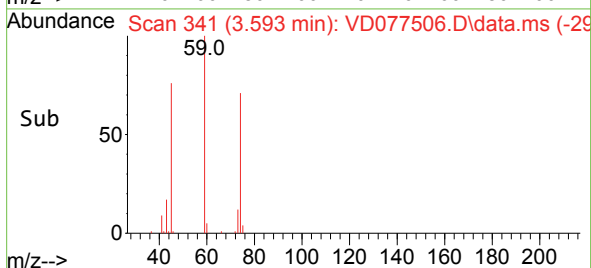
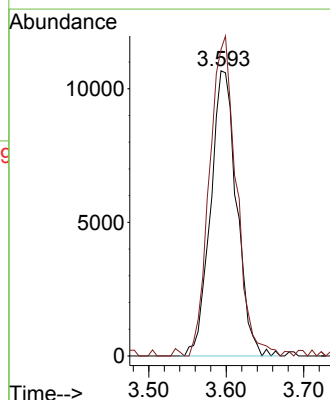
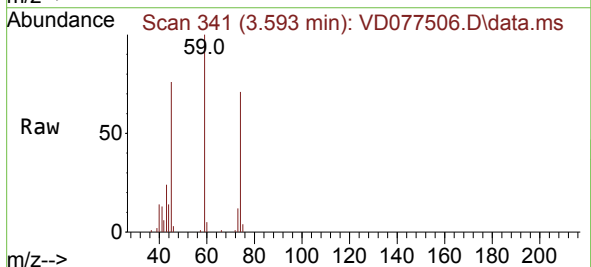
Instrument :  
MSVOA\_D  
ClientSampleId :

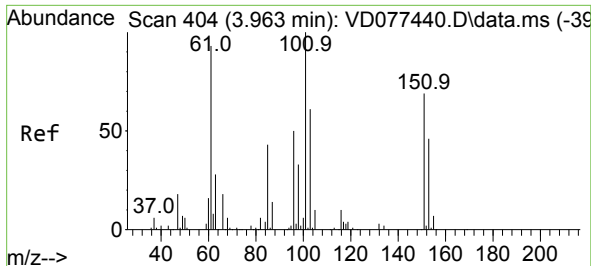
Tgt Ion:101 Resp: 77221  
Ion Ratio Lower Upper  
101 100  
103 64.1 52.3 78.5



#8  
Diethyl Ether  
Concen: 17.554 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 74 Resp: 25009  
Ion Ratio Lower Upper  
74 100  
45 115.2 37.5 112.7#

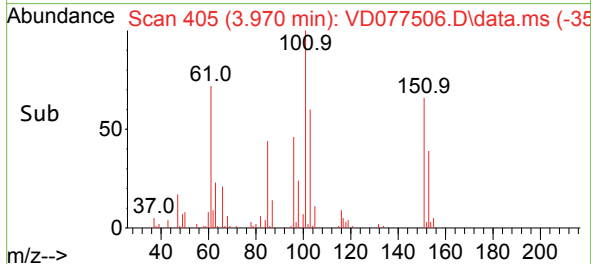
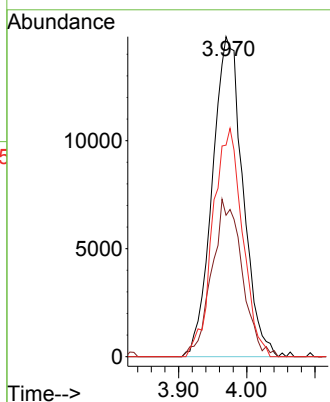
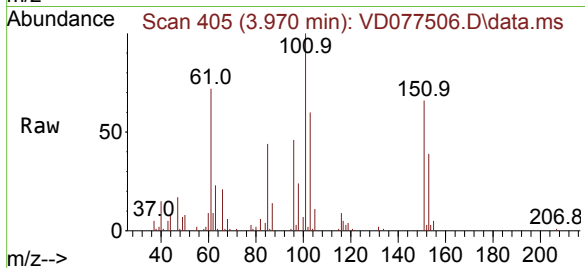




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.280 ug/l  
RT: 3.970 min Scan# 404  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

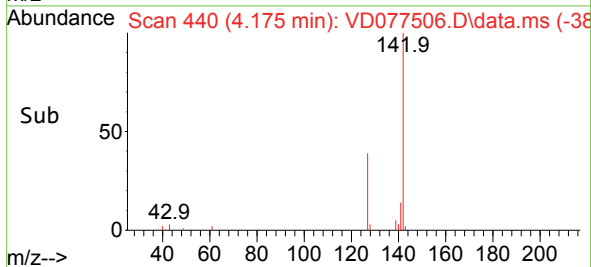
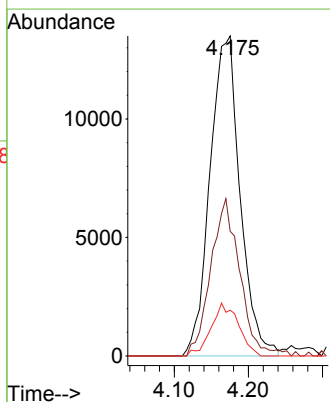
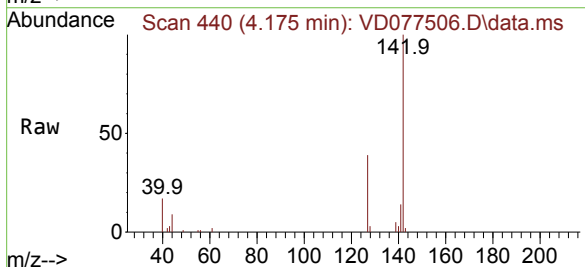
Instrument :  
MSVOA\_D  
ClientSampleId :

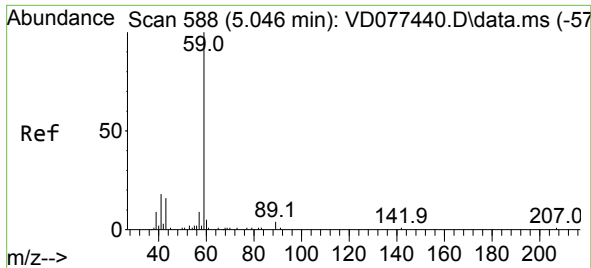
Tgt Ion:101 Resp: 46130  
Ion Ratio Lower Upper  
101 100  
85 48.7 33.8 50.6  
151 69.3 59.8 89.6



#10  
Methyl Iodide  
Concen: 14.961 ug/l  
RT: 4.175 min Scan# 440  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion:142 Resp: 38094  
Ion Ratio Lower Upper  
142 100  
127 47.6 29.4 44.0#  
141 15.0 11.1 16.7

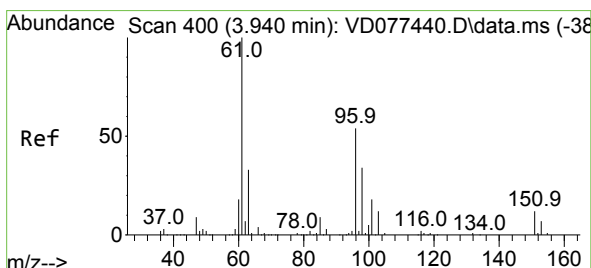
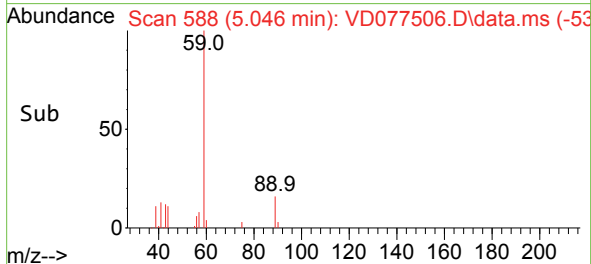
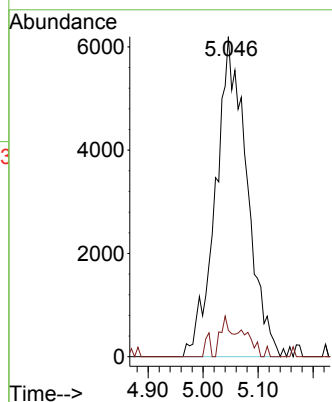
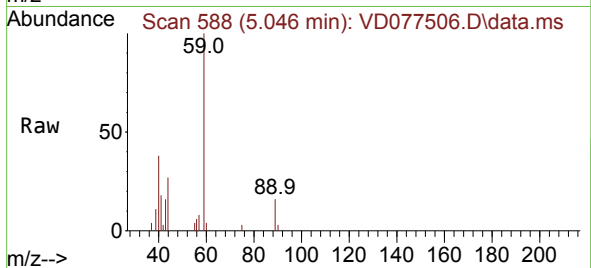




#11  
Tert butyl alcohol  
Concen: 96.221 ug/l  
RT: 5.046 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

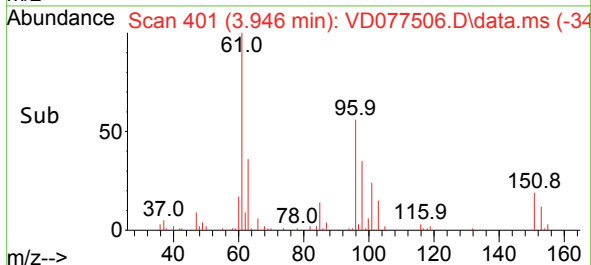
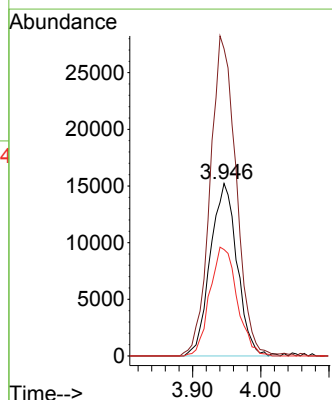
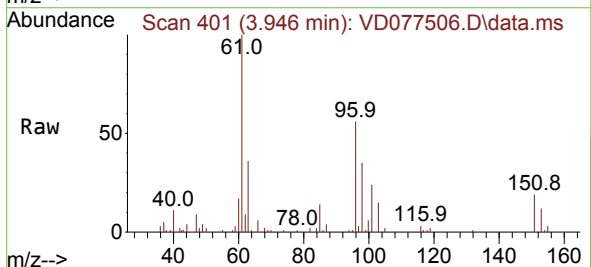
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 59 Resp: 24435  
Ion Ratio Lower Upper  
59 100  
57 4.5 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 18.396 ug/l  
RT: 3.946 min Scan# 401  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 96 Resp: 41670  
Ion Ratio Lower Upper  
96 100  
61 178.1 100.6 150.8#  
98 61.7 50.2 75.2

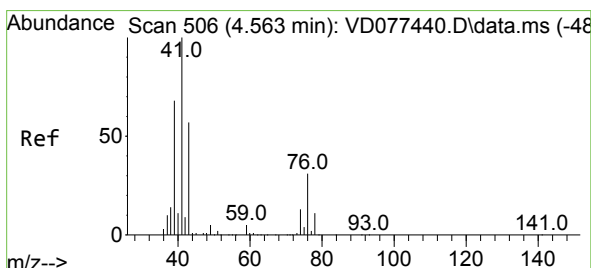
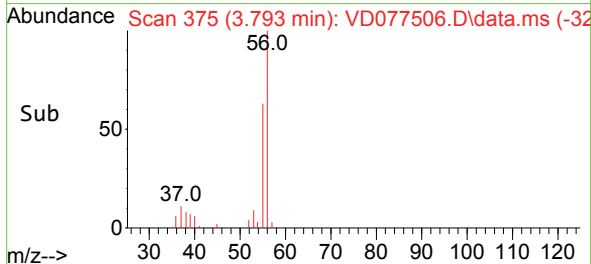
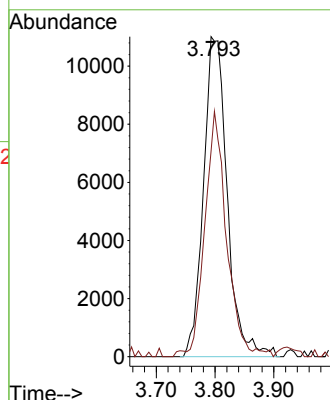
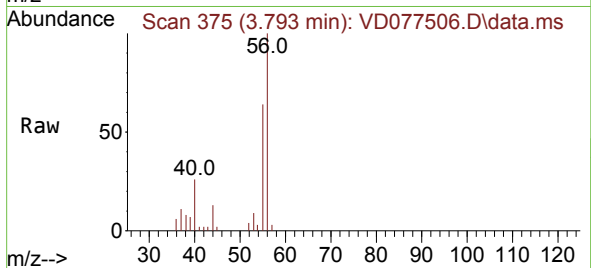




#13  
Acrolein  
Concen: 92.209 ug/l  
RT: 3.793 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

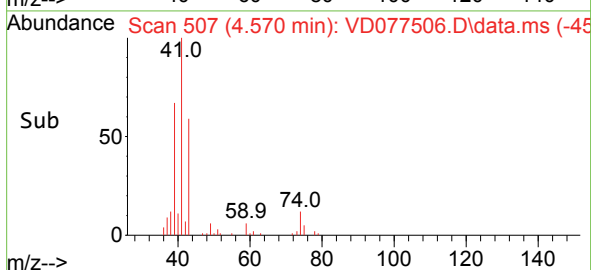
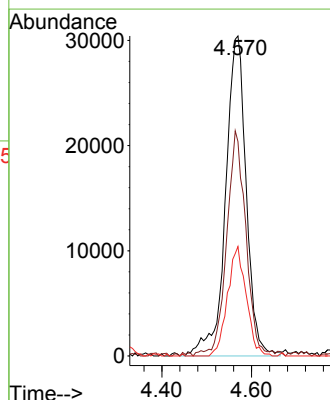
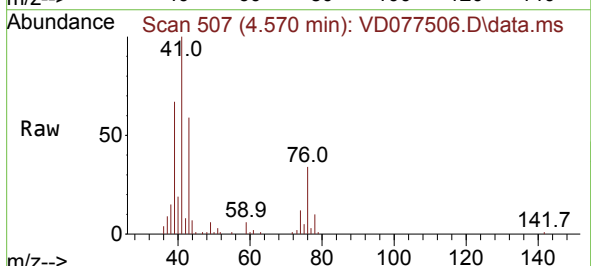
Instrument :  
MSVOA\_D  
ClientSampleId :

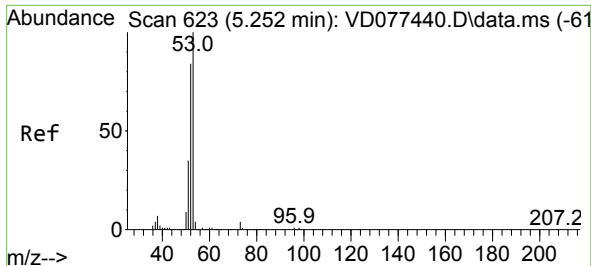
Tgt Ion: 56 Resp: 30879  
Ion Ratio Lower Upper  
56 100  
55 69.4 55.1 82.7



#14  
Allyl chloride  
Concen: 17.866 ug/l  
RT: 4.570 min Scan# 507  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 41 Resp: 97631  
Ion Ratio Lower Upper  
41 100  
39 65.4 53.8 80.6  
76 31.0 45.8 68.8#

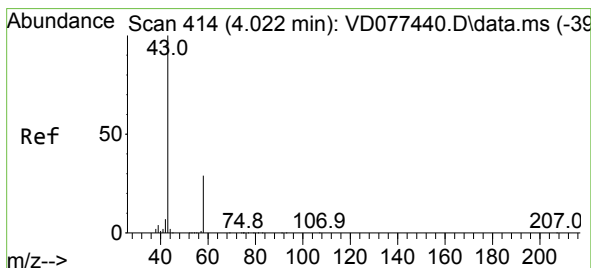
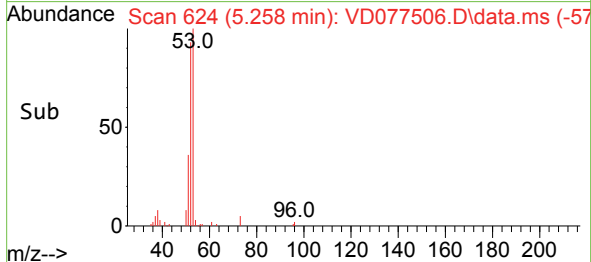
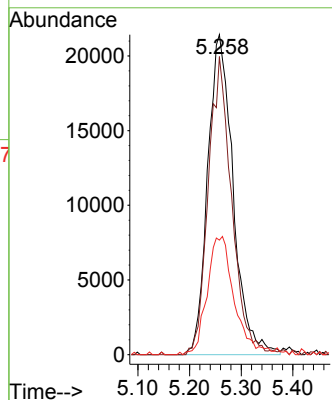
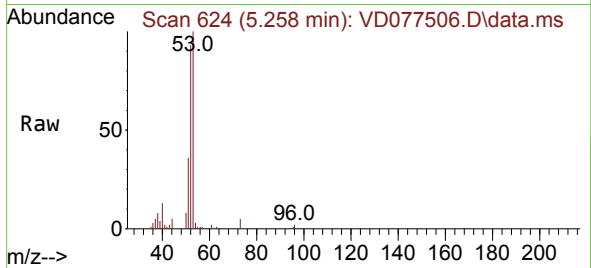




#15  
Acrylonitrile  
Concen: 94.732 ug/l  
RT: 5.258 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

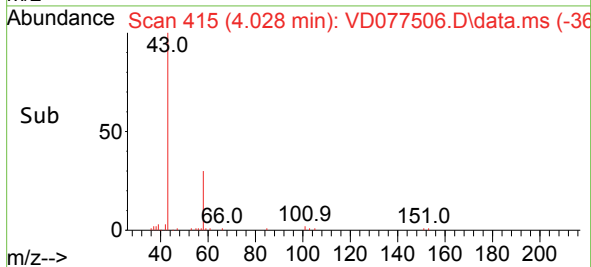
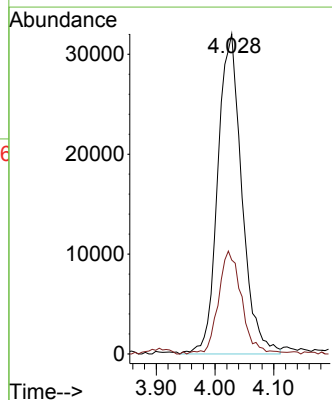
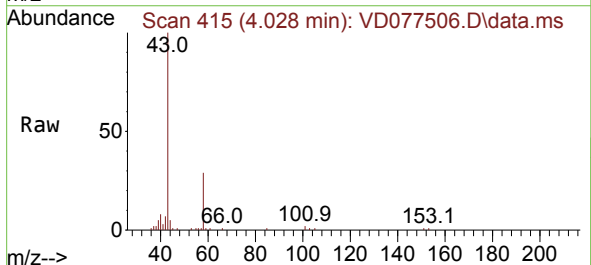
Instrument :  
MSVOA\_D  
ClientSampleId :

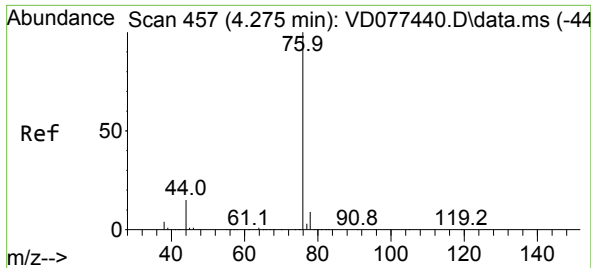
Tgt Ion: 53 Resp: 72958  
Ion Ratio Lower Upper  
53 100  
52 85.4 65.0 97.4  
51 39.5 28.3 42.5



#16  
Acetone  
Concen: 107.496 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 43 Resp: 91190  
Ion Ratio Lower Upper  
43 100  
58 29.4 34.7 52.1#

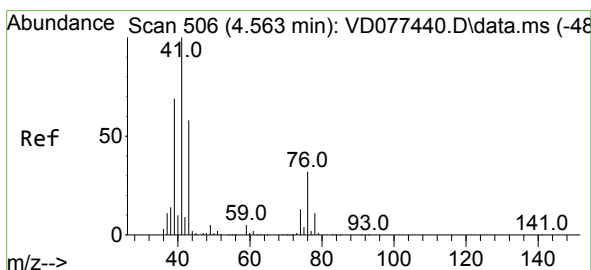
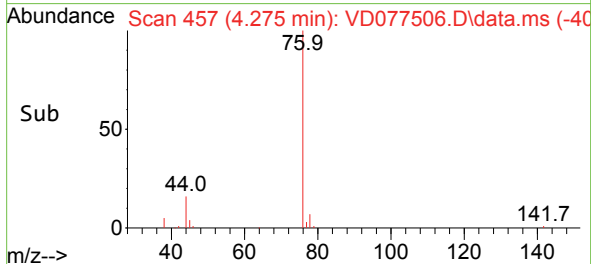
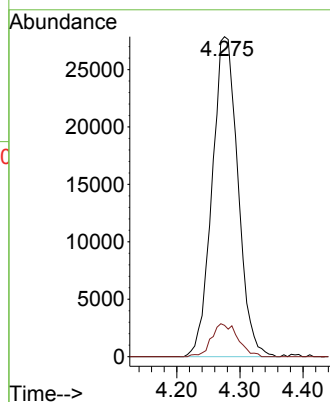
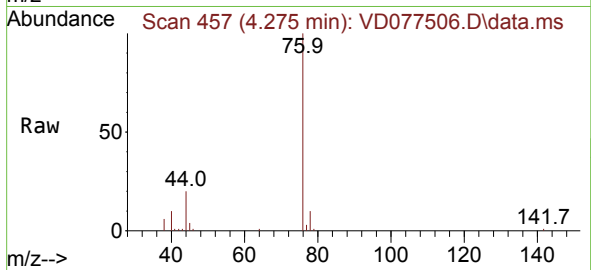




#17  
Carbon Disulfide  
Concen: 14.234 ug/l  
RT: 4.275 min Scan# 417  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

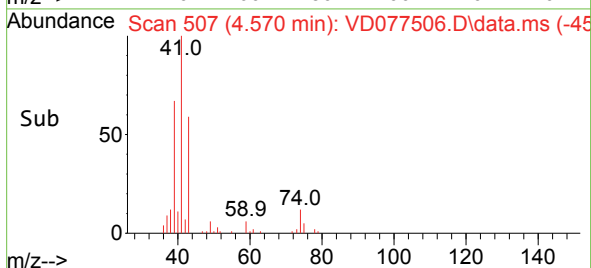
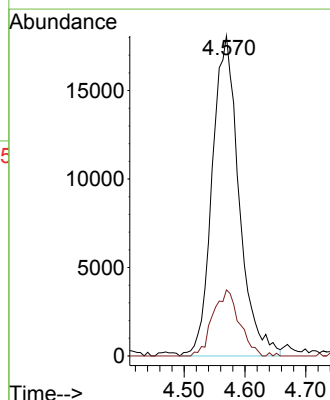
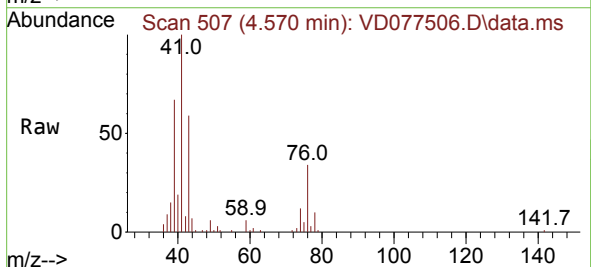
Instrument :  
MSVOA\_D  
ClientSampleId :

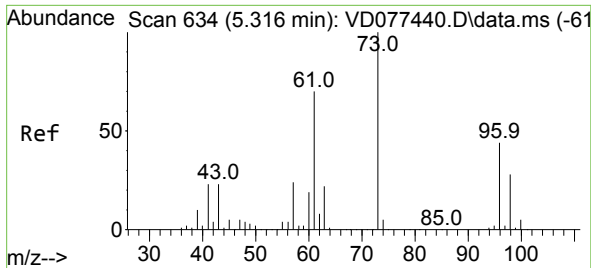
Tgt Ion: 76 Resp: 79158  
Ion Ratio Lower Upper  
76 100  
78 9.8 6.8 10.2



#18  
Methyl Acetate  
Concen: 17.910 ug/l  
RT: 4.570 min Scan# 507  
Delta R.T. 0.007 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 43 Resp: 55419  
Ion Ratio Lower Upper  
43 100  
74 20.3 26.4 39.6#

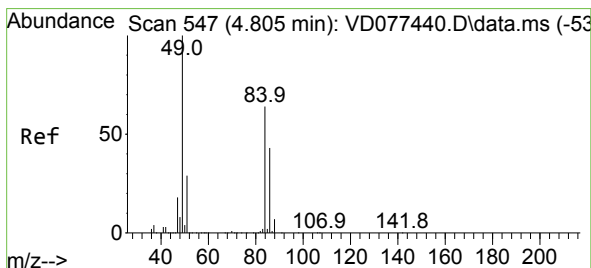
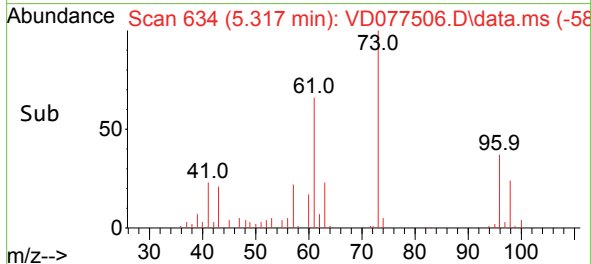
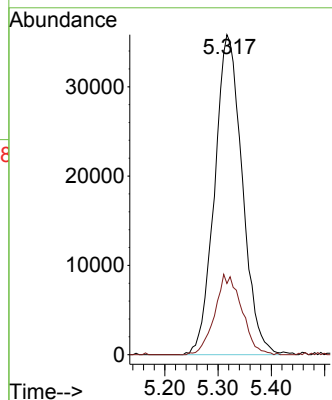
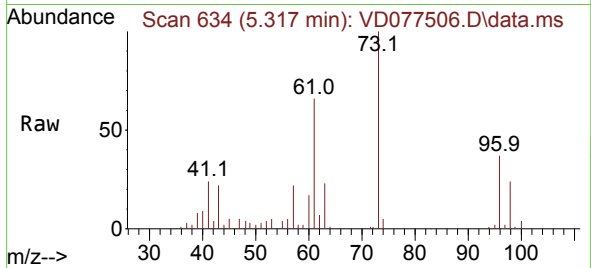




#19  
Methyl tert-butyl Ether  
Concen: 18.157 ug/l  
RT: 5.317 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

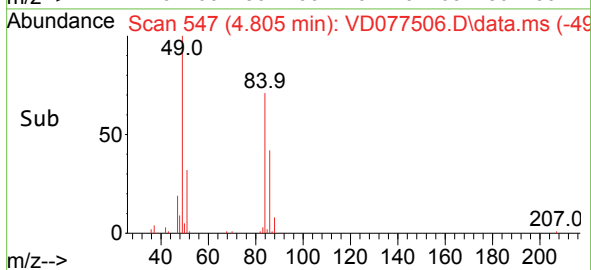
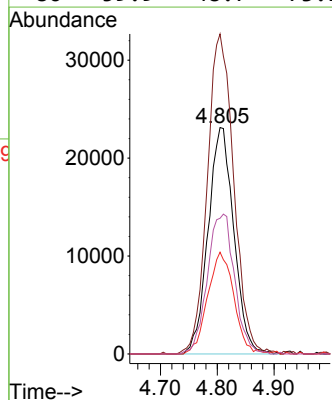
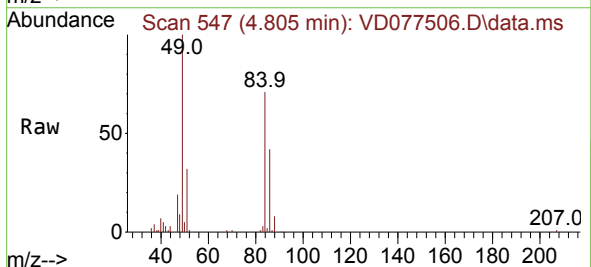
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 73 Resp: 129101  
Ion Ratio Lower Upper  
73 100  
57 22.3 16.6 25.0



#20  
Methylene Chloride  
Concen: 21.417 ug/l  
RT: 4.805 min Scan# 547  
Delta R.T. -0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

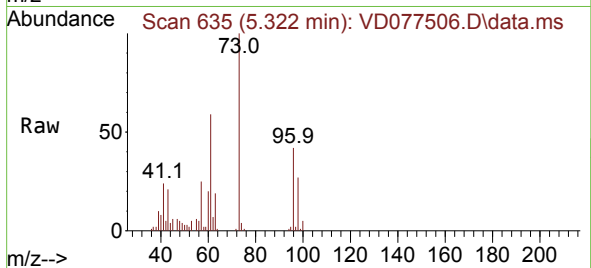
Tgt Ion: 84 Resp: 72710  
Ion Ratio Lower Upper  
84 100  
49 141.3 71.4 107.2#  
51 45.0 24.5 36.7#  
86 59.9 48.7 73.1



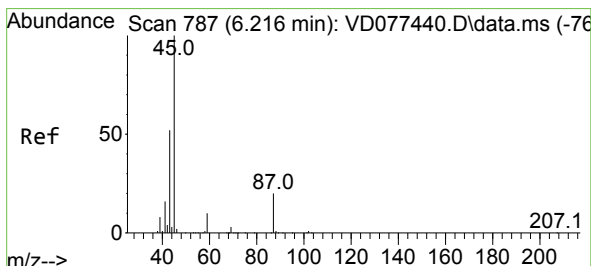
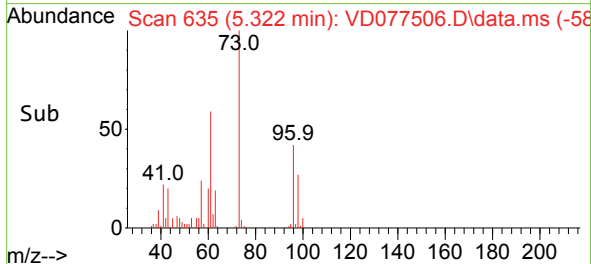
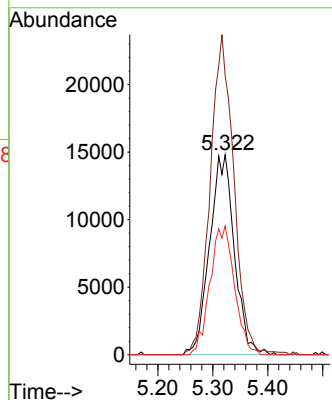


#21  
trans-1,2-Dichloroethene  
Concen: 17.583 ug/l  
RT: 5.322 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Instrument :  
MSVOA\_D  
ClientSampleId :

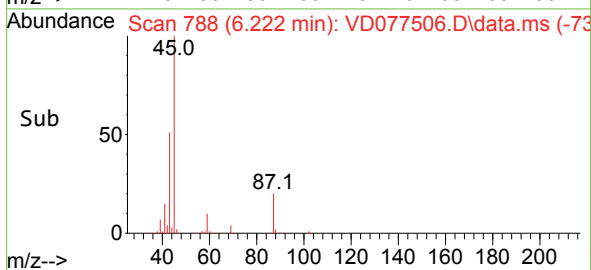
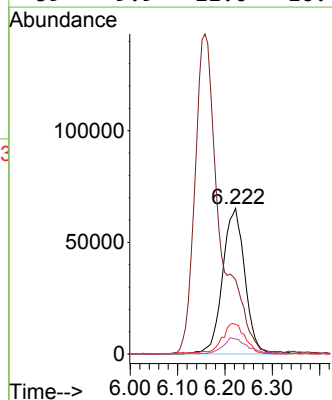
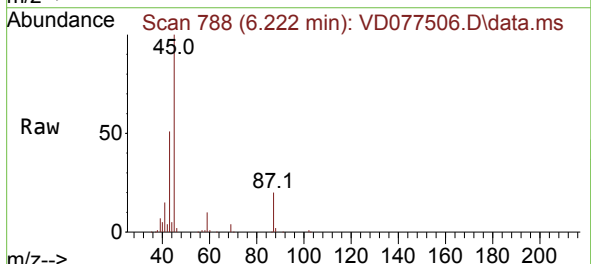


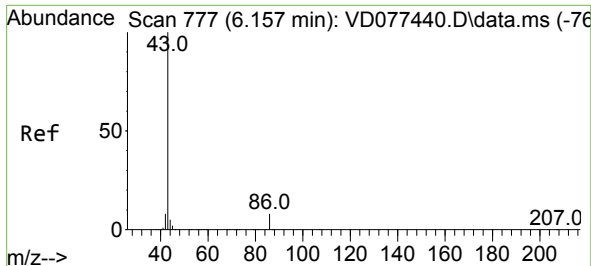
Tgt Ion: 96 Resp: 46386  
Ion Ratio Lower Upper  
96 100  
61 139.6 89.3 133.9#  
98 64.3 48.6 73.0



#22  
Diisopropyl ether  
Concen: 18.312 ug/l  
RT: 6.222 min Scan# 788  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

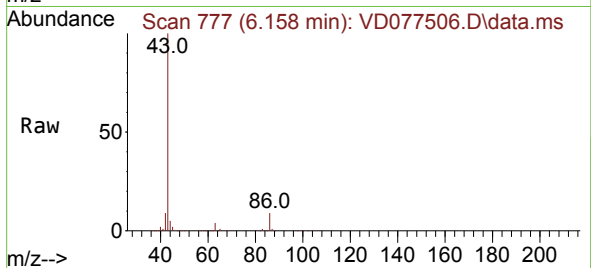
Tgt Ion: 45 Resp: 212681  
Ion Ratio Lower Upper  
45 100  
43 49.3 40.0 60.0  
87 20.2 28.2 42.4#  
59 9.9 11.0 16.4#



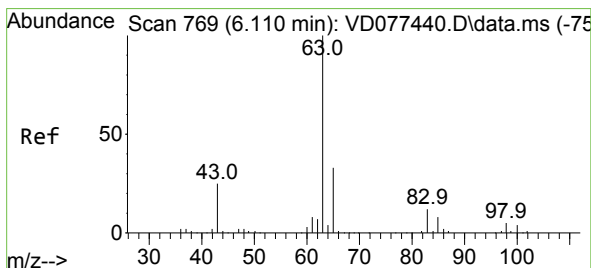
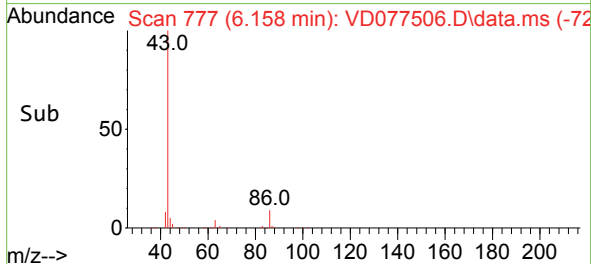
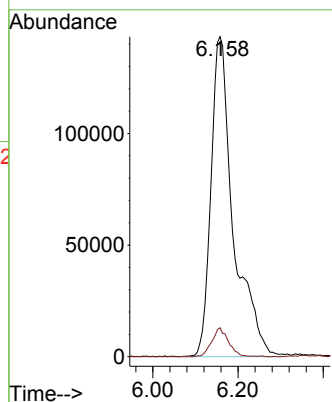


#23  
 Vinyl Acetate  
 Concen: 104.440 ug/l  
 RT: 6.158 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VD077506.D  
 Acq: 06 Nov 2023 11:34

Instrument :  
 MSVOA\_D  
 ClientSampleId :

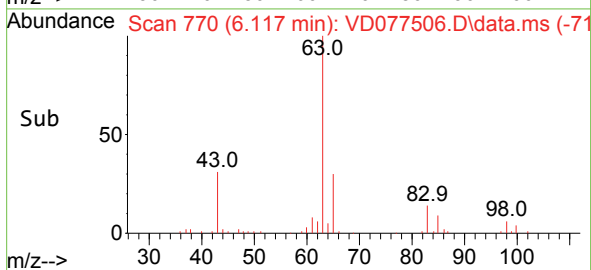
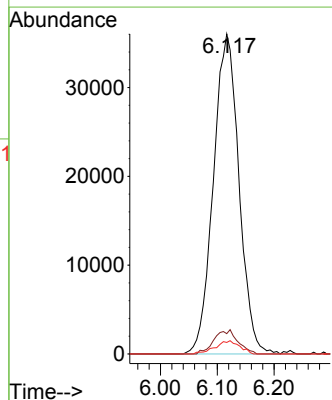
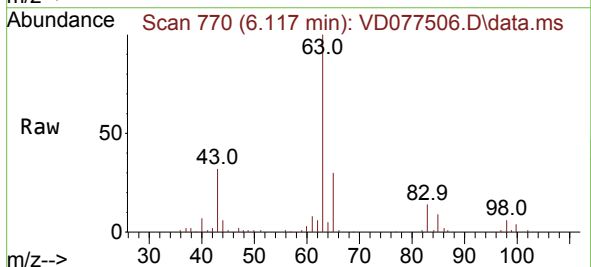


Tgt Ion: 43 Resp: 523294  
 Ion Ratio Lower Upper  
 43 100  
 86 9.0 12.5 18.7#



#24  
 1,1-Dichloroethane  
 Concen: 18.711 ug/l  
 RT: 6.117 min Scan# 770  
 Delta R.T. 0.006 min  
 Lab File: VD077506.D  
 Acq: 06 Nov 2023 11:34

Tgt Ion: 63 Resp: 112758  
 Ion Ratio Lower Upper  
 63 100  
 98 6.3 4.5 13.7  
 100 3.6 2.5 7.5

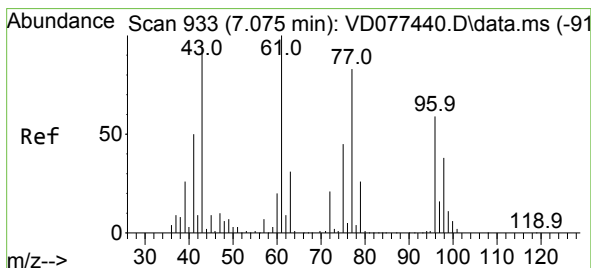
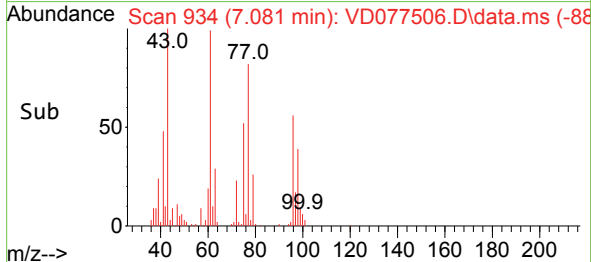
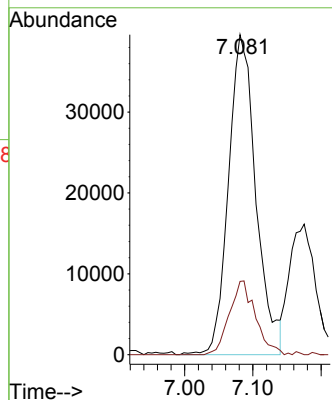
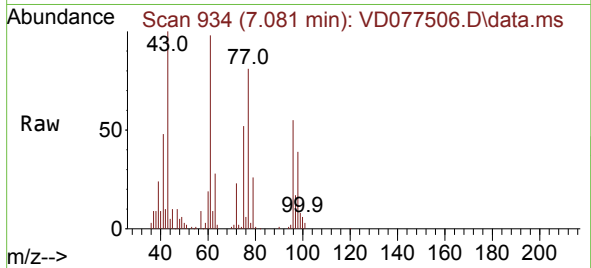




#25  
2-Butanone  
Concen: 97.905 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

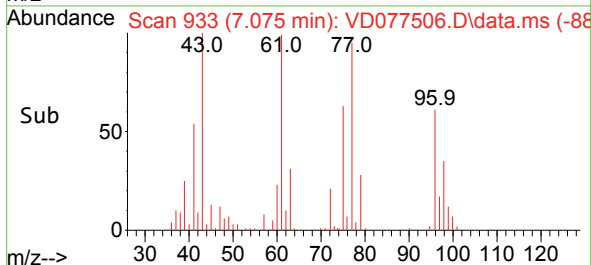
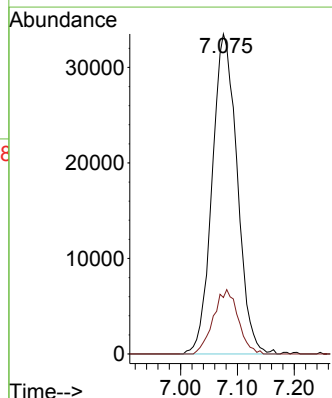
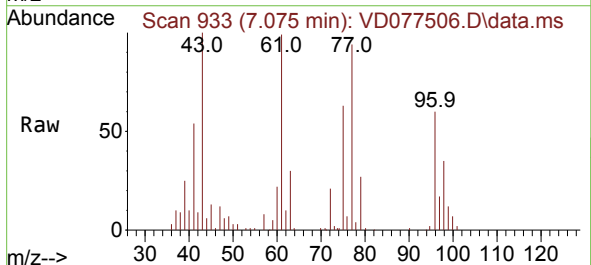
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 43 Resp: 110781  
Ion Ratio Lower Upper  
43 100  
72 22.9 30.7 46.1#



#26  
2,2-Dichloropropane  
Concen: 19.181 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

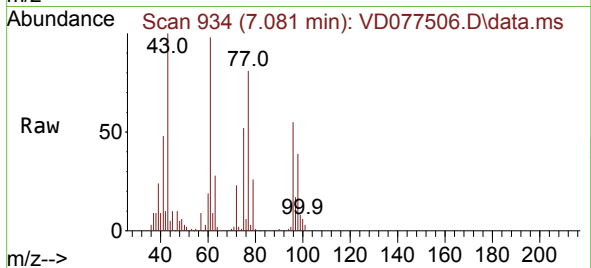
Tgt Ion: 77 Resp: 102440  
Ion Ratio Lower Upper  
77 100  
97 19.9 13.2 39.6



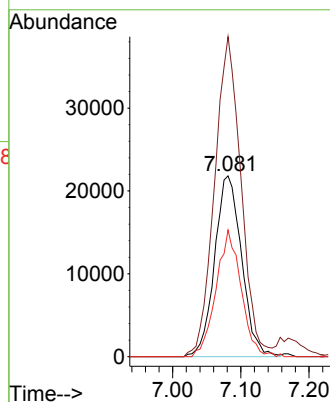
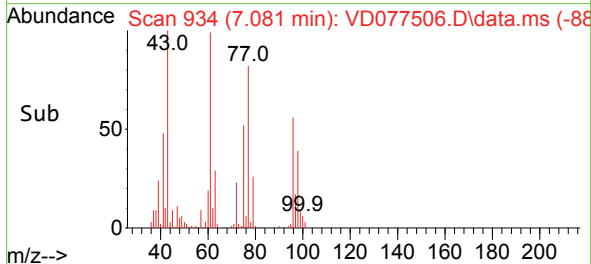


#27  
 cis-1,2-Dichloroethene  
 Concen: 18.394 ug/l  
 RT: 7.081 min Scan# 910  
 Delta R.T. 0.000 min  
 Lab File: VD077506.D  
 Acq: 06 Nov 2023 11:34

Instrument :  
 MSVOA\_D  
 ClientSampleId :

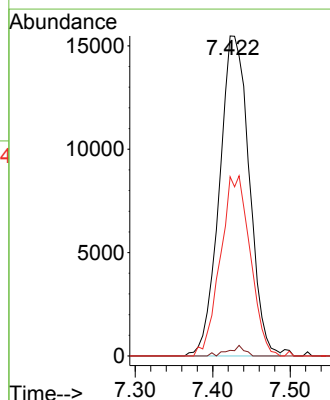
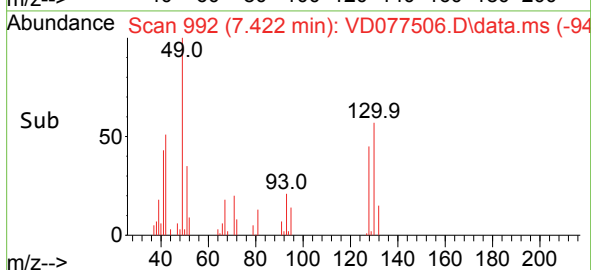
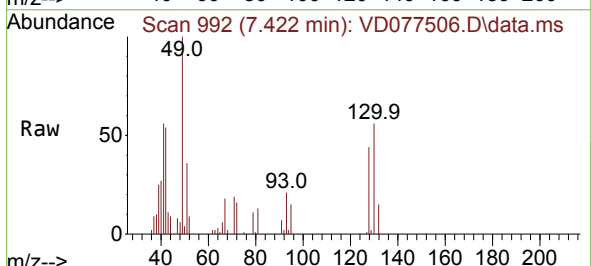


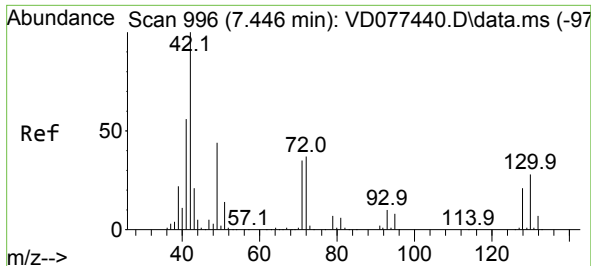
Tgt Ion: 96 Resp: 60117  
 Ion Ratio Lower Upper  
 96 100  
 61 173.7 0.0 239.2  
 98 64.9 0.0 128.6



#28  
 Bromochloromethane  
 Concen: 16.638 ug/l  
 RT: 7.422 min Scan# 992  
 Delta R.T. 0.000 min  
 Lab File: VD077506.D  
 Acq: 06 Nov 2023 11:34

Tgt Ion: 49 Resp: 41449  
 Ion Ratio Lower Upper  
 49 100  
 129 1.7 0.0 6.0  
 130 56.5 83.2 124.8#





#29

Tetrahydrofuran

Concen: 90.201 ug/l

RT: 7.446 min Scan# 996

Delta R.T. 0.000 min

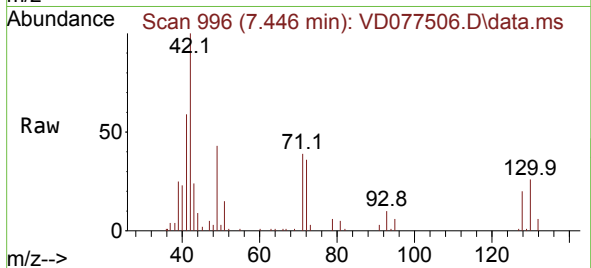
Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

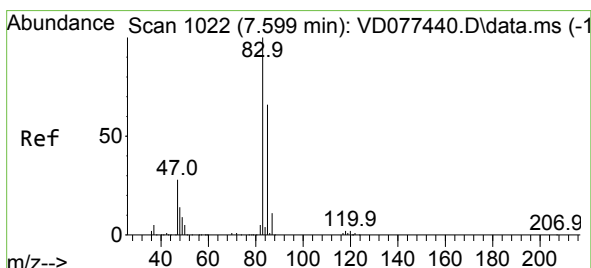
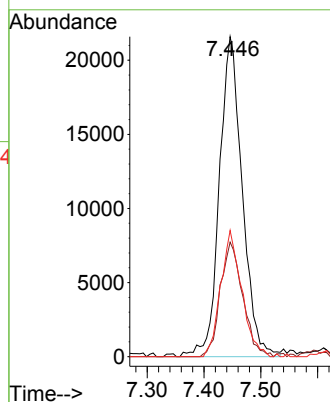
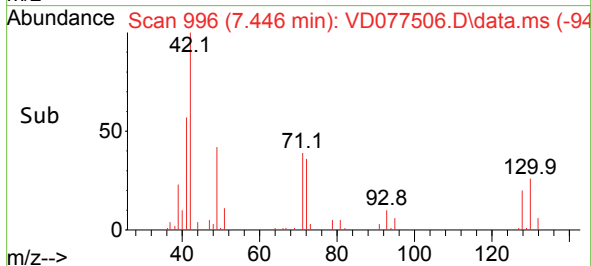
Instrument :

MSVOA\_D

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 60533 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 34.9  | 46.5  | 69.7# |
| 71        | 36.1  | 44.5  | 66.7# |



#30

Chloroform

Concen: 18.882 ug/l

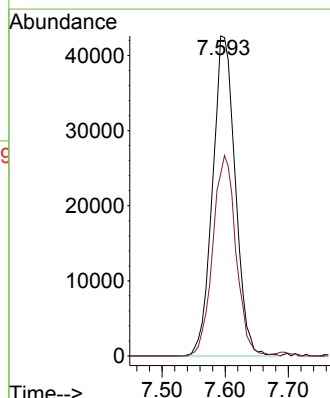
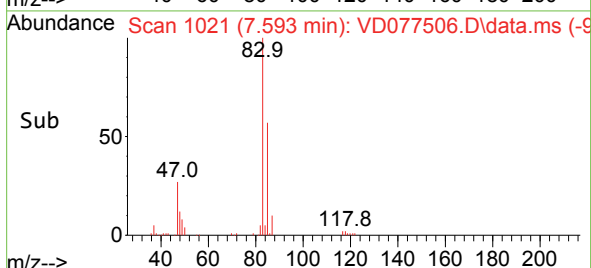
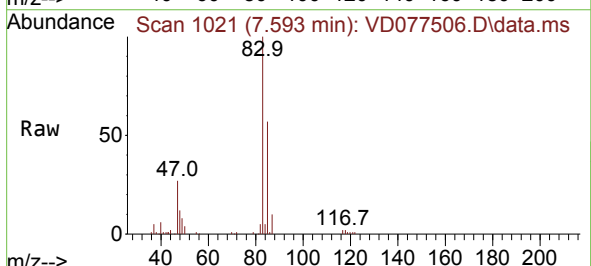
RT: 7.593 min Scan# 1021

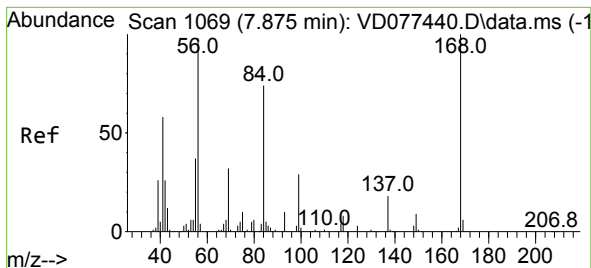
Delta R.T. -0.006 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 106246 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 56.9  | 53.4  | 80.2   |





#31

Cyclohexane

Concen: 17.276 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

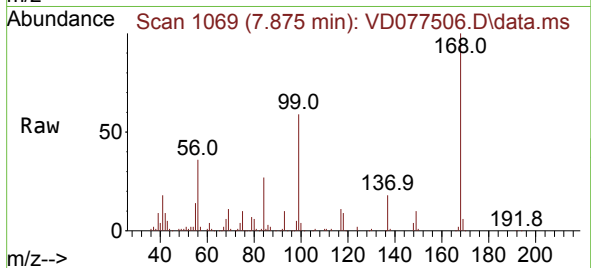
Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

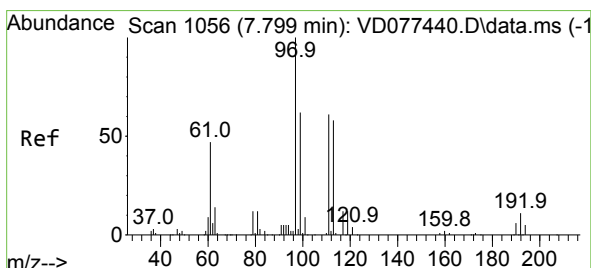
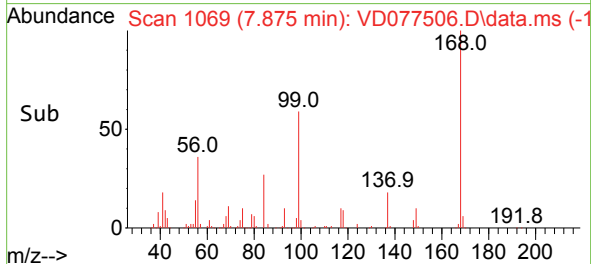
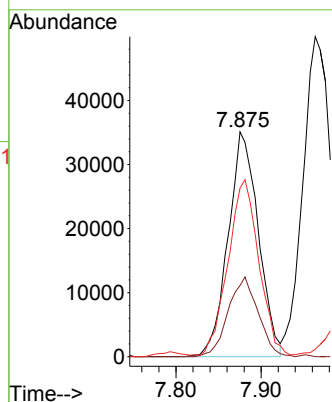
Instrument :

MSVOA\_D

ClientSampleId :



|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 56   | Resp: | 86580 |
| Ion Ratio | 100  | Lower | Upper |
| 56        | 100  |       |       |
| 69        | 31.6 | 28.6  | 43.0  |
| 84        | 73.7 | 84.8  | 127.2 |



#32

1,1,1-Trichloroethane

Concen: 19.799 ug/l

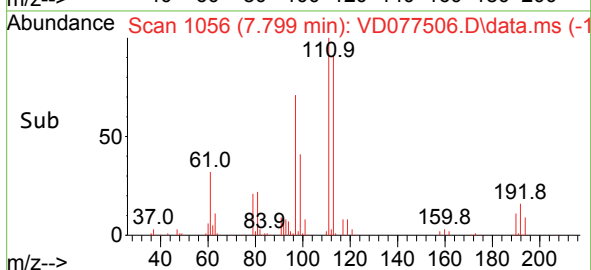
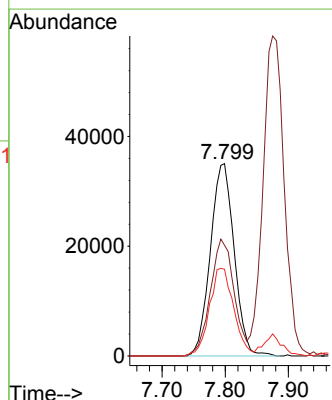
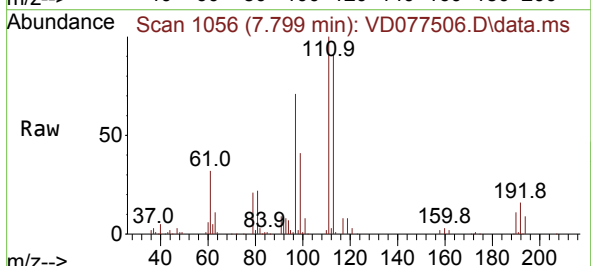
RT: 7.799 min Scan# 1056

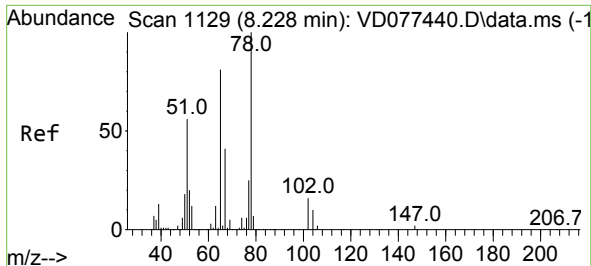
Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 97   | Resp: | 91787 |
| Ion Ratio | 100  | Lower | Upper |
| 97        | 100  |       |       |
| 99        | 60.5 | 52.0  | 78.0  |
| 61        | 46.5 | 33.8  | 50.8  |





#33

1,2-Dichloroethane-d4

Concen: 47.032 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

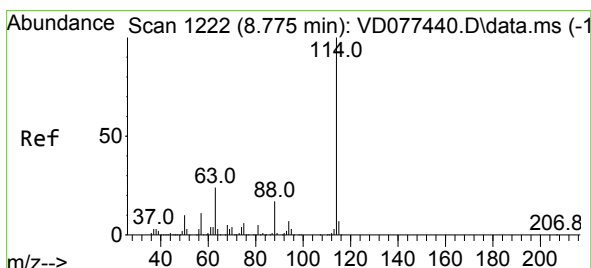
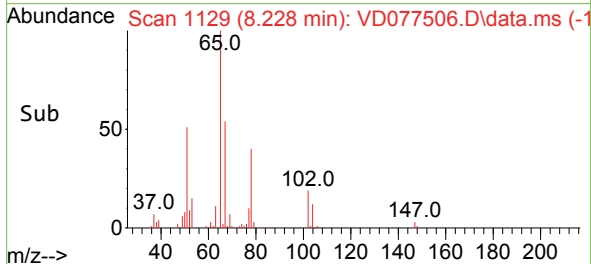
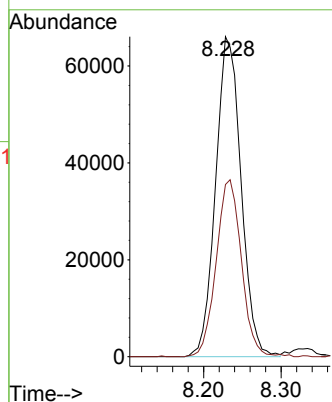
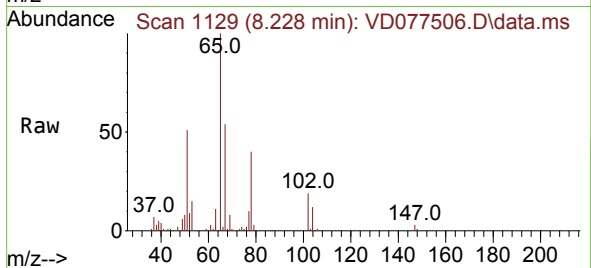
ClientSampleId :

Tgt Ion: 65 Resp: 150777

Ion Ratio Lower Upper

65 100

67 54.9 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

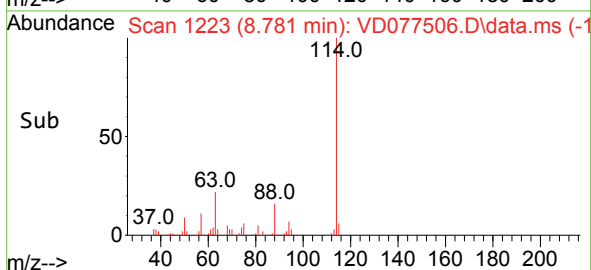
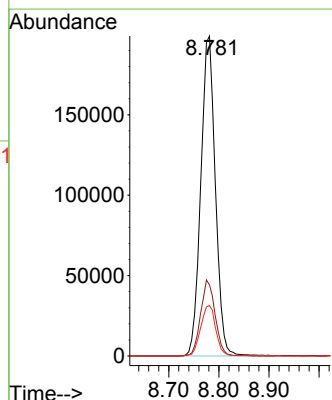
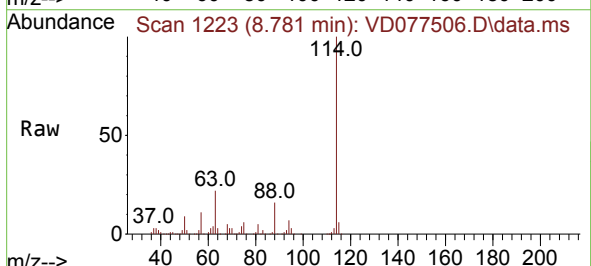
Tgt Ion: 114 Resp: 402805

Ion Ratio Lower Upper

114 100

63 22.2 0.0 33.4

88 15.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 48.181 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

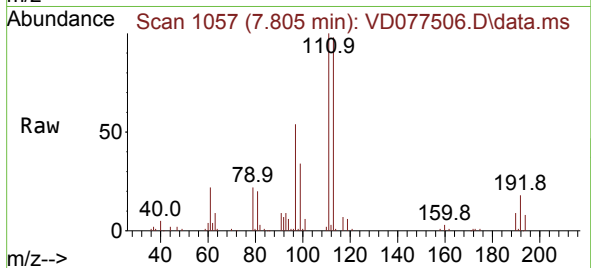
Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

ClientSampleId :



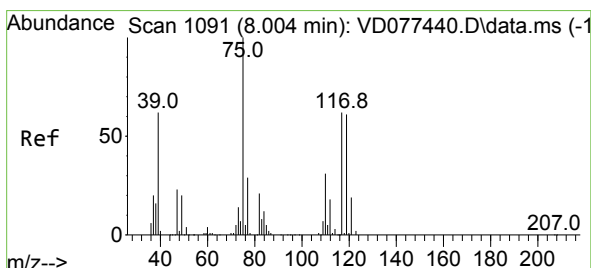
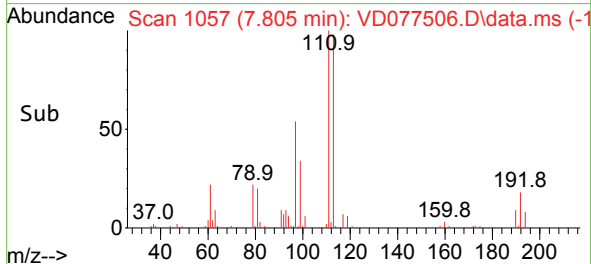
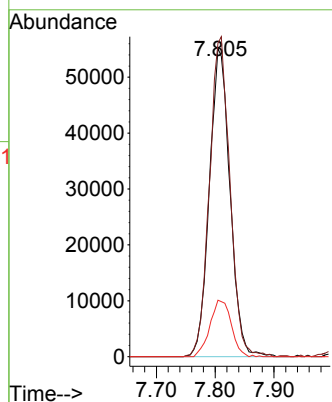
Tgt Ion:113 Resp: 134137

Ion Ratio Lower Upper

113 100

111 103.3 84.7 127.1

192 19.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 18.023 ug/l

RT: 8.011 min Scan# 1092

Delta R.T. 0.006 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

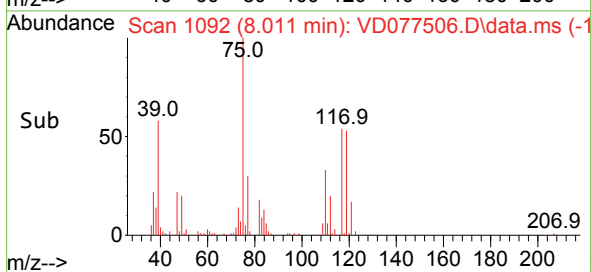
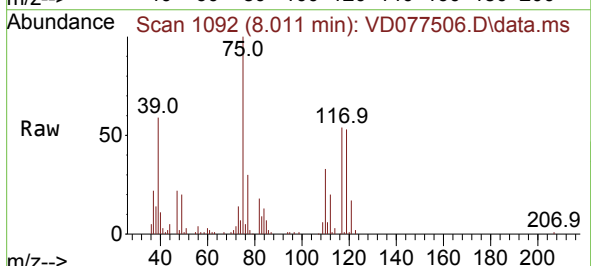
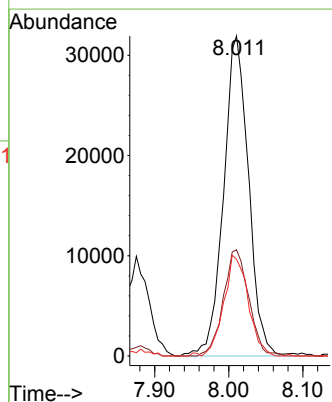
Tgt Ion: 75 Resp: 74396

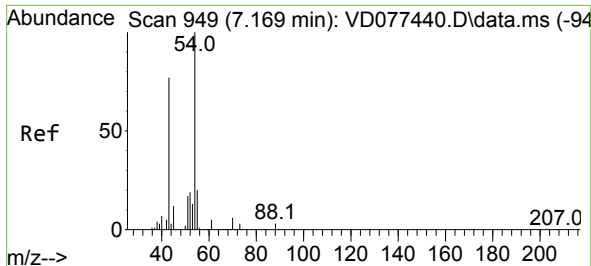
Ion Ratio Lower Upper

75 100

110 33.8 19.9 59.6

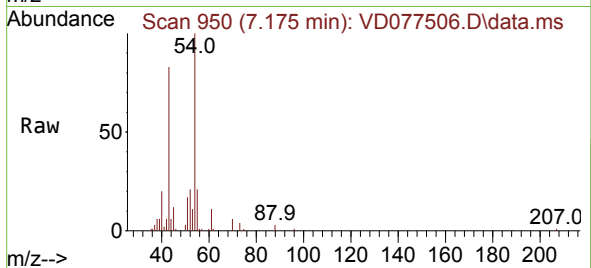
77 31.1 24.7 37.1



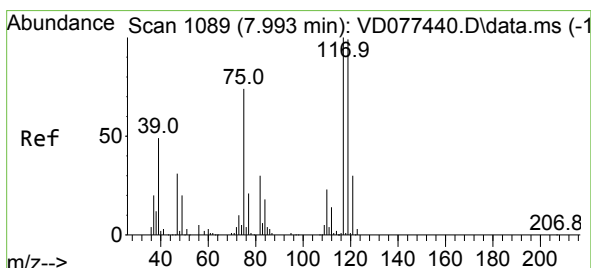
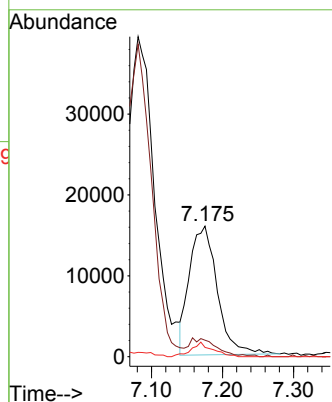
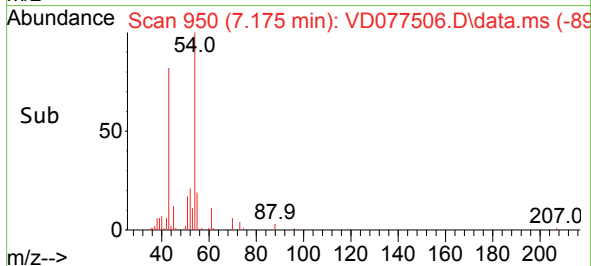


#37  
Ethyl Acetate  
Concen: 18.362 ug/l  
RT: 7.175 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Instrument :  
MSVOA\_D  
ClientSampleId :

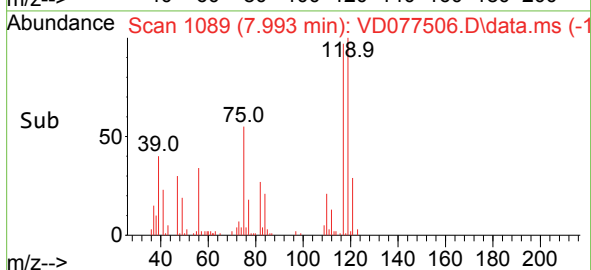
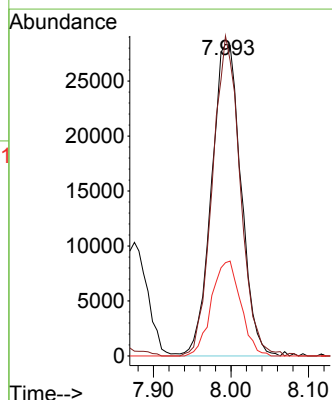
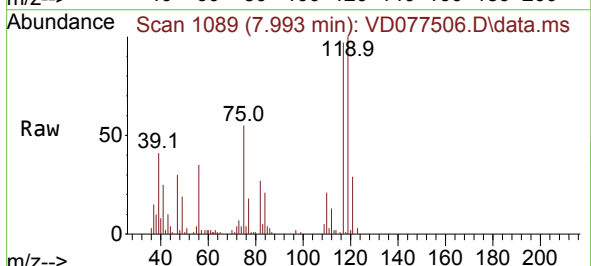


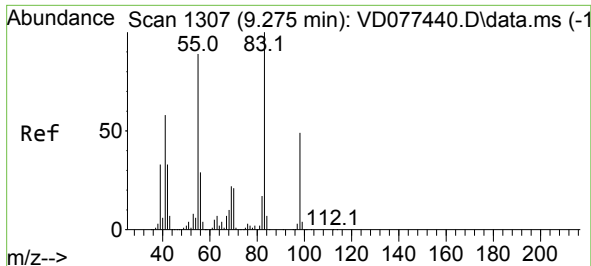
Tgt Ion: 43 Resp: 43497  
Ion Ratio Lower Upper  
43 100  
61 14.0 14.9 22.3#  
70 8.6 10.0 15.0#



#38  
Carbon Tetrachloride  
Concen: 19.288 ug/l  
RT: 7.993 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 117 Resp: 75025  
Ion Ratio Lower Upper  
117 100  
119 102.7 78.0 117.0  
121 30.0 24.2 36.2





#39

Methylcyclohexane

Concen: 17.025 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

ClientSampleId :

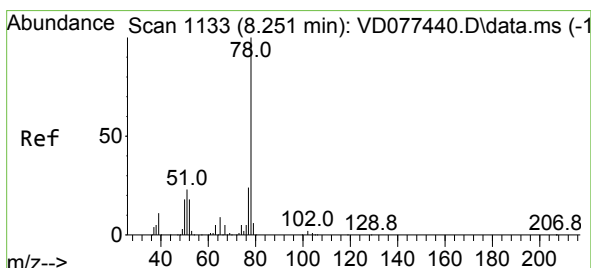
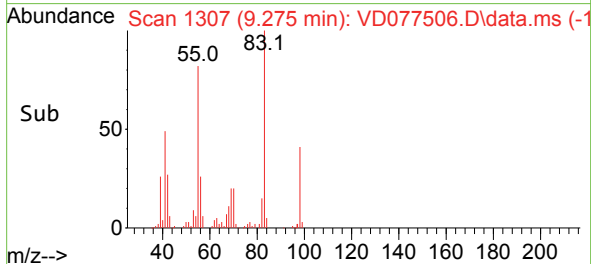
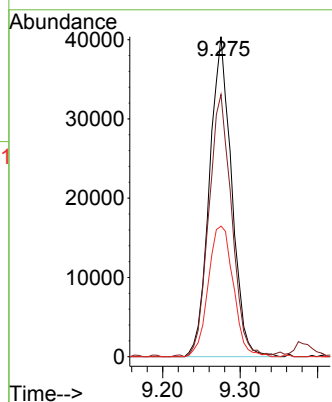
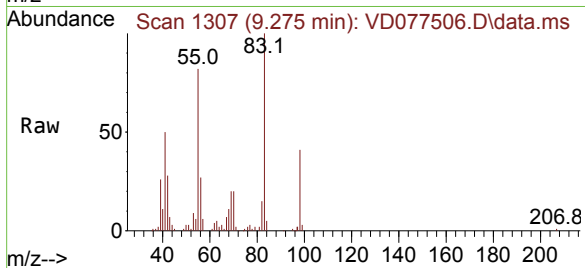
Tgt Ion: 83 Resp: 80185

Ion Ratio Lower Upper

83 100

55 81.4 49.4 74.0#

98 40.8 38.4 57.6



#40

Benzene

Concen: 18.625 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD077506.D

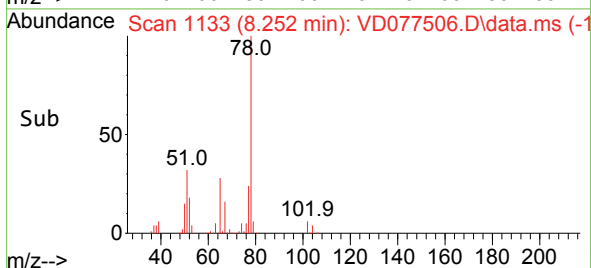
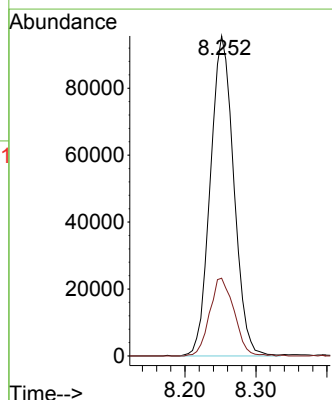
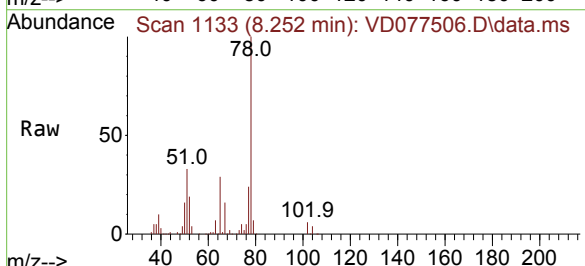
Acq: 06 Nov 2023 11:34

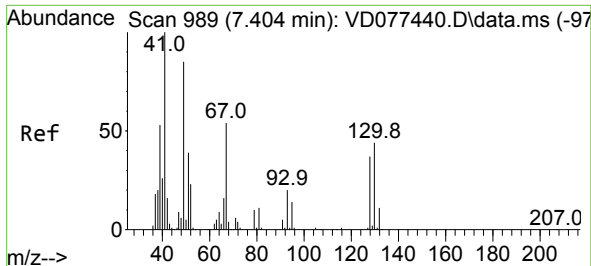
Tgt Ion: 78 Resp: 219226

Ion Ratio Lower Upper

78 100

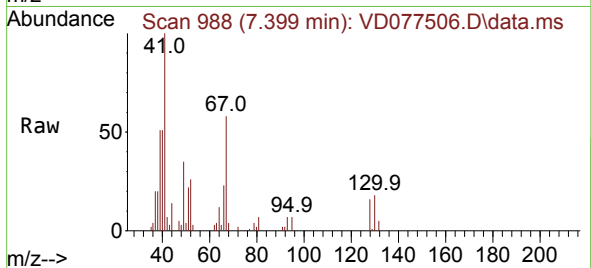
77 24.3 19.4 29.0



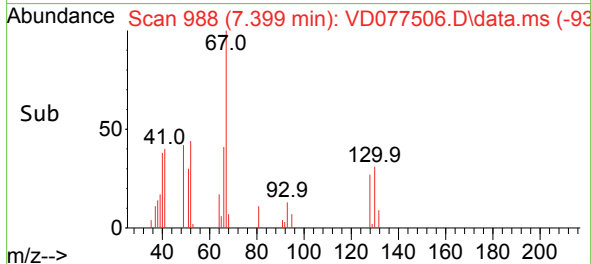
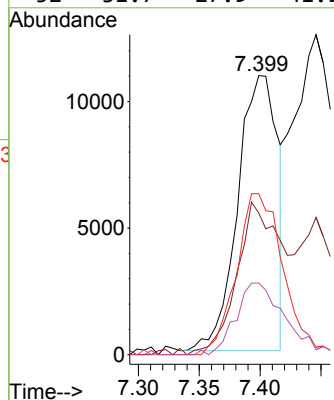


#41  
Methacrylonitrile  
Concen: 16.403 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Instrument :  
MSVOA\_D  
ClientSampleId :

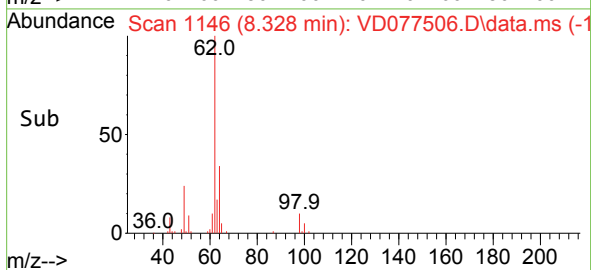
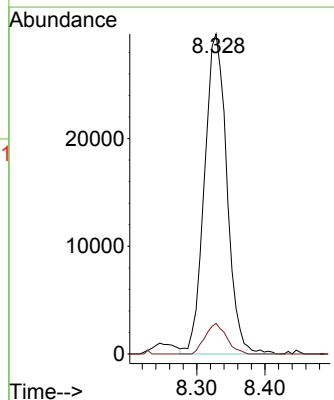
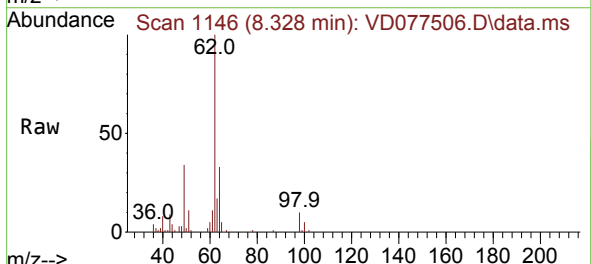


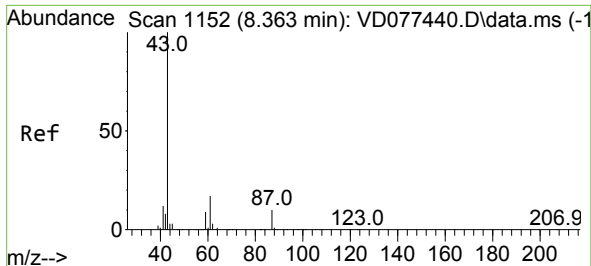
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 24863  |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 60.0  | 34.0  | 51.0#  |
| 67       | 67.9  | 77.0  | 115.4# |
| 52       | 31.7  | 27.9  | 41.9   |



#42  
1,2-Dichloroethane  
Concen: 18.258 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 68068 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.1   | 0.0   | 25.4  |

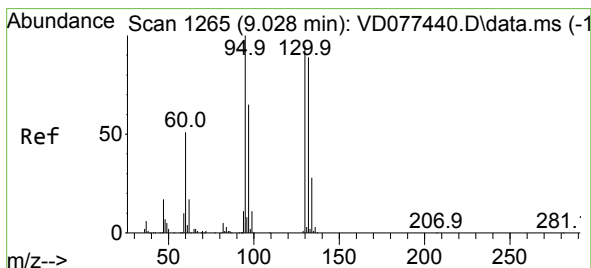
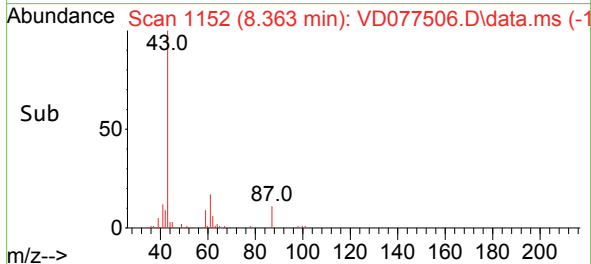
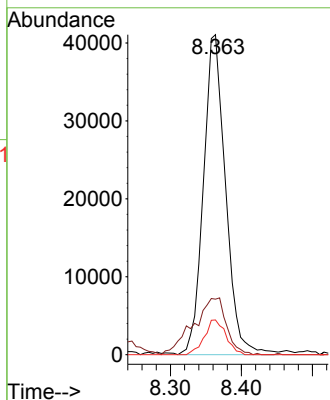
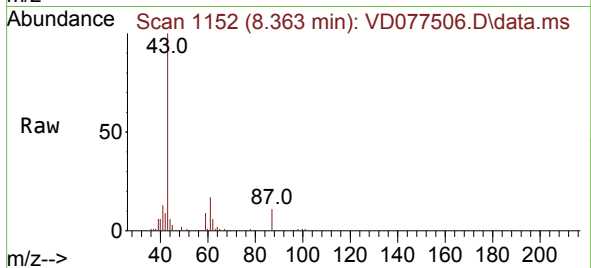




#43  
Isopropyl Acetate  
Concen: 18.208 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

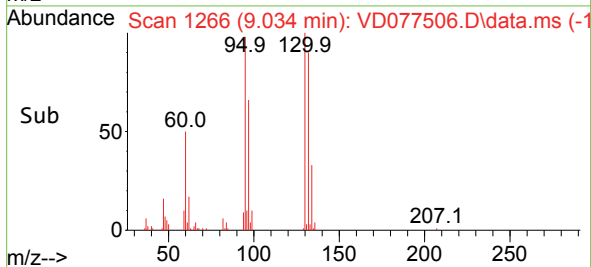
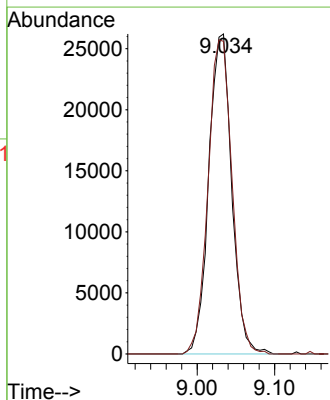
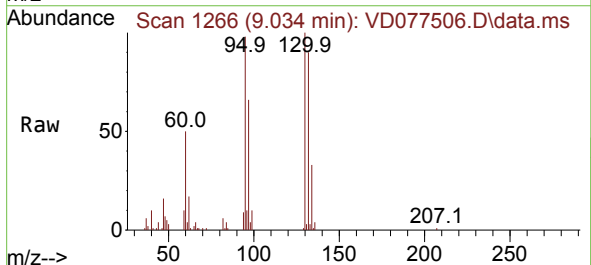
Instrument :  
MSVOA\_D  
ClientSampleId :

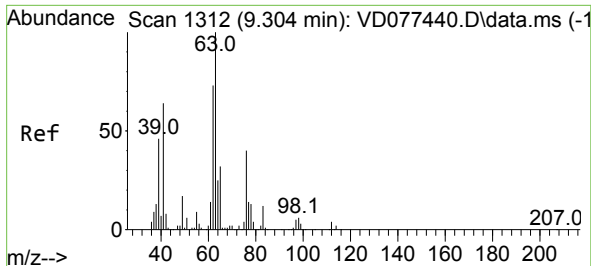
Tgt Ion: 43 Resp: 89011  
Ion Ratio Lower Upper  
43 100  
61 26.5 31.4 47.0#  
87 10.5 14.9 22.3#



#44  
Trichloroethene  
Concen: 18.674 ug/l  
RT: 9.034 min Scan# 1266  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion:130 Resp: 53840  
Ion Ratio Lower Upper  
130 100  
95 97.7 0.0 179.2





#45

1,2-Dichloropropane

Concen: 18.726 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

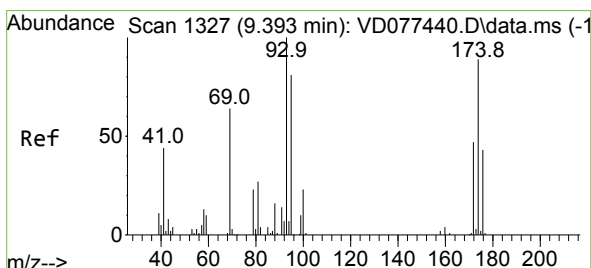
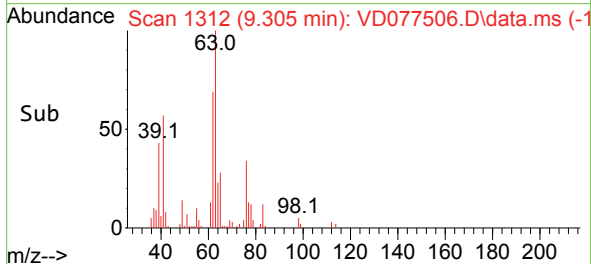
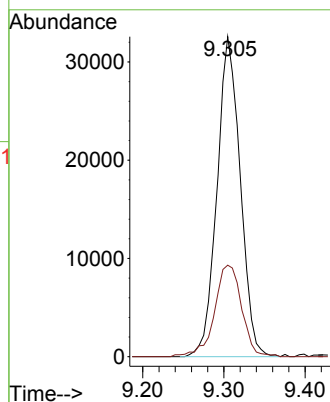
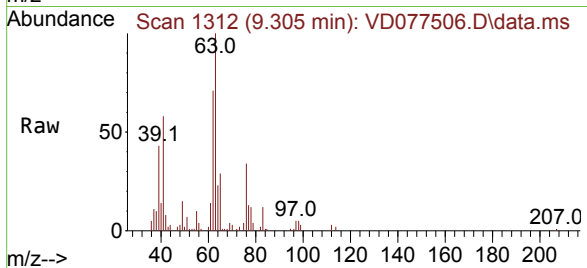
ClientSampleId :

Tgt Ion: 63 Resp: 64891

Ion Ratio Lower Upper

63 100

65 28.6 24.5 36.7



#46

Dibromomethane

Concen: 17.269 ug/l

RT: 9.399 min Scan# 1328

Delta R.T. 0.006 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

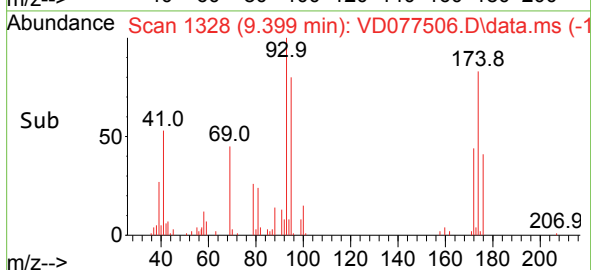
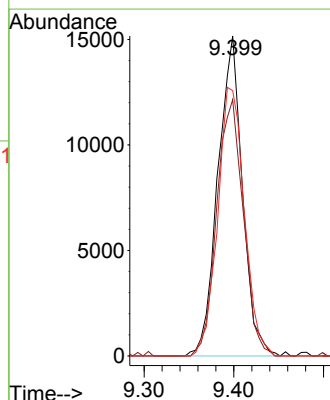
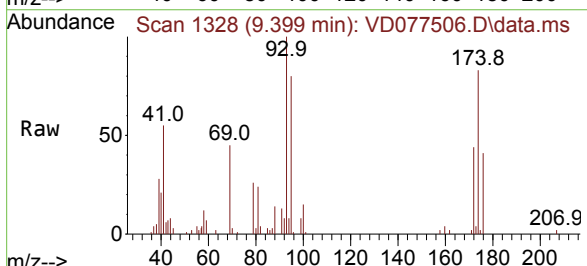
Tgt Ion: 93 Resp: 28799

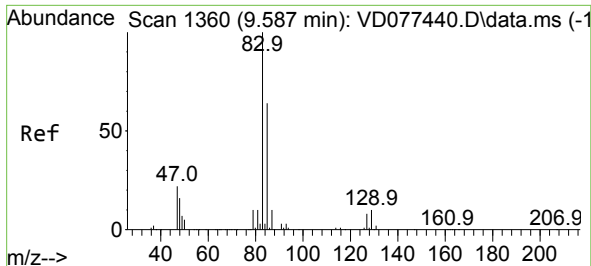
Ion Ratio Lower Upper

93 100

95 86.5 67.7 101.5

174 90.9 85.4 128.2

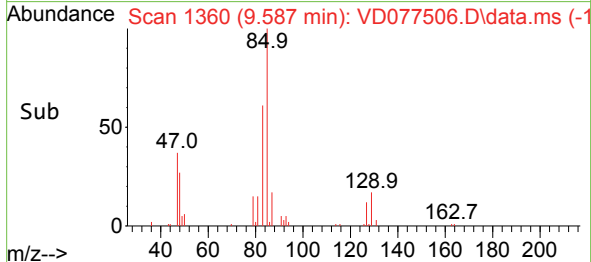
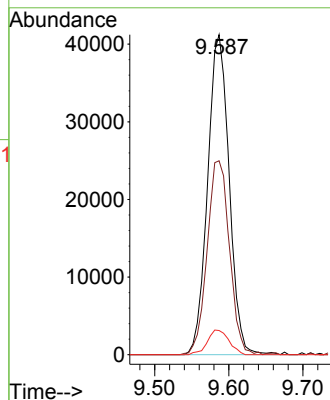
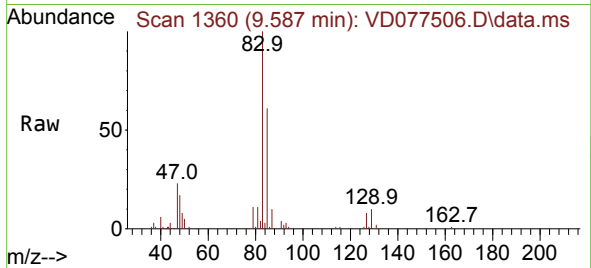




#47  
Bromodichloromethane  
Concen: 18.835 ug/l  
RT: 9.587 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

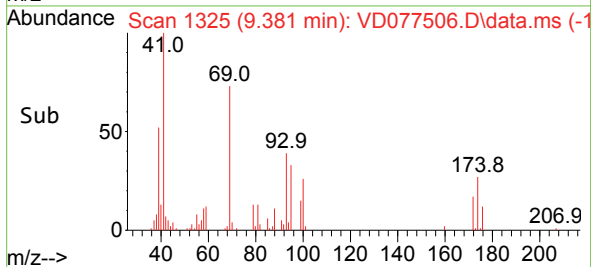
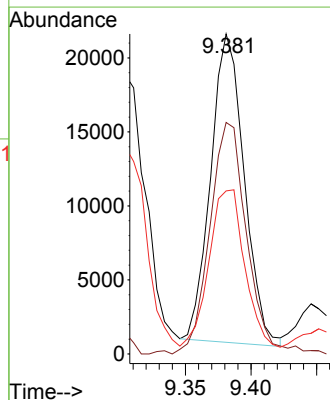
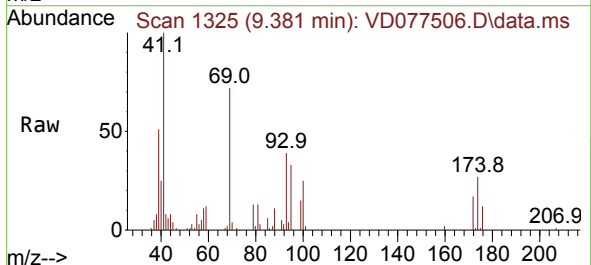
Instrument :  
MSVOA\_D  
ClientSampleId :

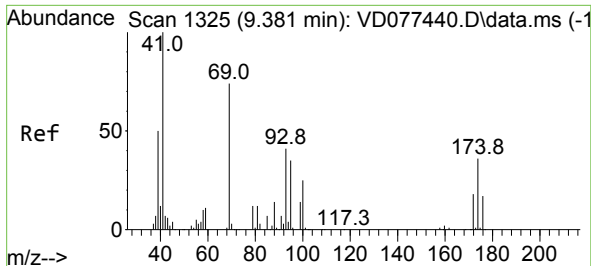
Tgt Ion: 83 Resp: 83020  
Ion Ratio Lower Upper  
83 100  
85 60.6 50.2 75.4  
127 7.6 6.3 9.5



#48  
Methyl methacrylate  
Concen: 15.807 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 41 Resp: 36885  
Ion Ratio Lower Upper  
41 100  
69 83.4 102.2 153.2#  
39 58.4 41.4 62.2





#49

1,4-Dioxane

Concen: 375.906 ug/l

RT: 9.387 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

ClientSampleId :

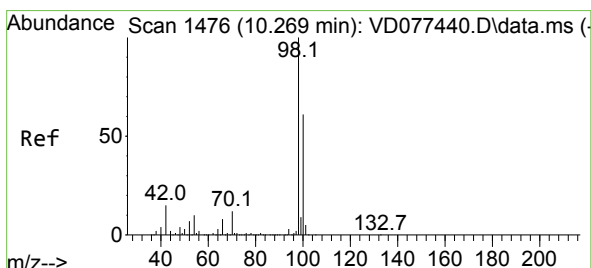
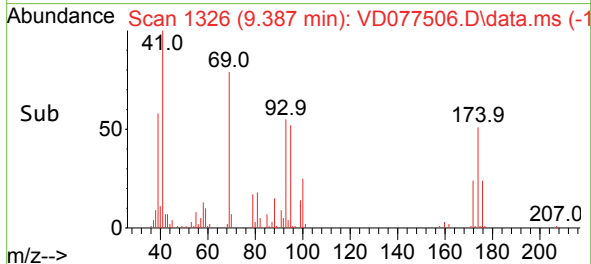
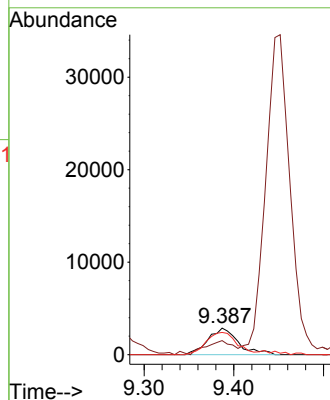
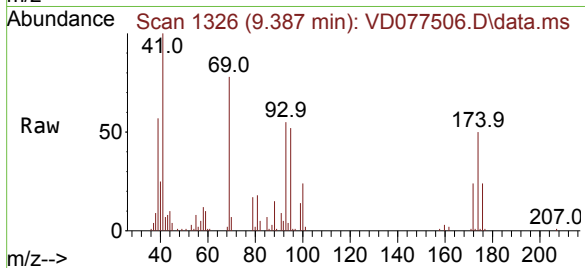
Tgt Ion: 88 Resp: 6736

Ion Ratio Lower Upper

88 100

43 47.1 19.0 28.6#

58 85.7 43.5 65.3#



#50

Toluene-d8

Concen: 50.978 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077506.D

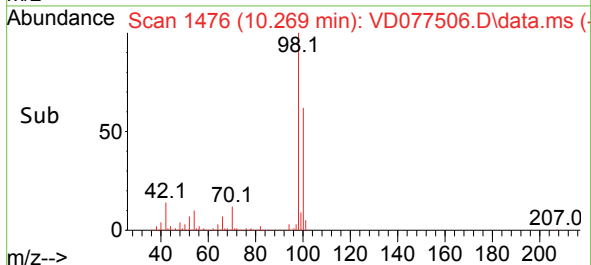
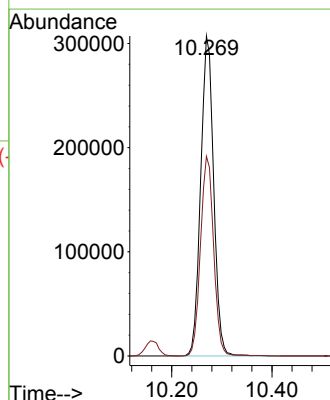
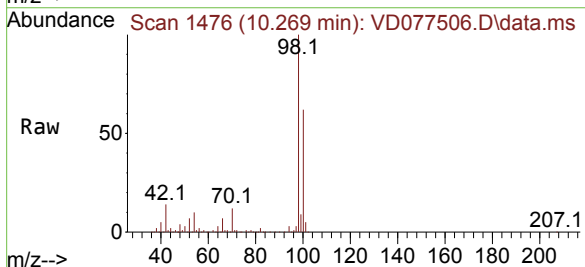
Acq: 06 Nov 2023 11:34

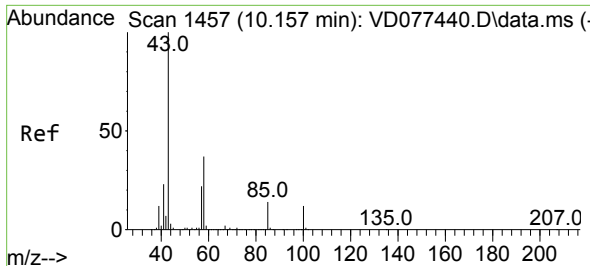
Tgt Ion: 98 Resp: 551268

Ion Ratio Lower Upper

98 100

100 63.2 50.3 75.5

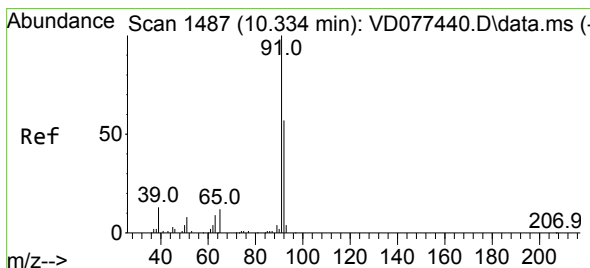
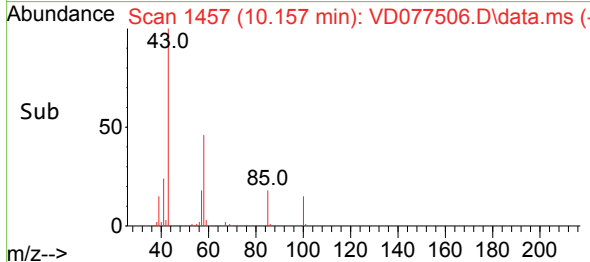
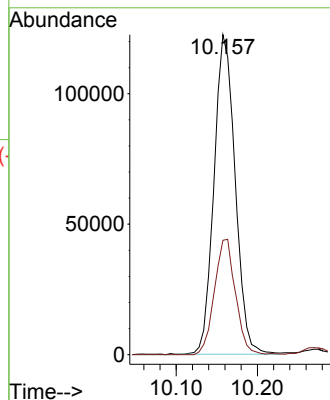
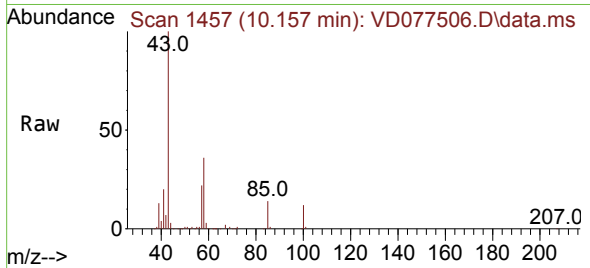




#51  
4-Methyl-2-Pentanone  
Concen: 92.342 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

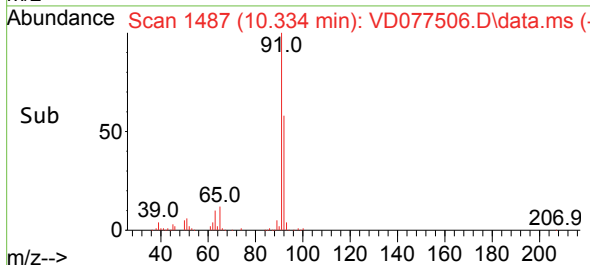
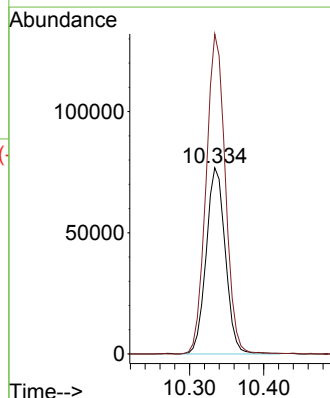
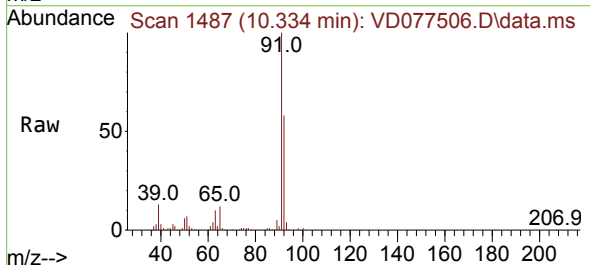
Instrument :  
MSVOA\_D  
ClientSampleId :

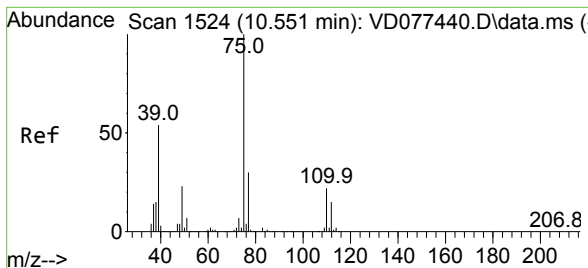
Tgt Ion: 43 Resp: 222191  
Ion Ratio Lower Upper  
43 100  
58 36.1 38.9 58.3#



#52  
Toluene  
Concen: 19.251 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 92 Resp: 138137  
Ion Ratio Lower Upper  
92 100  
91 172.5 143.0 214.4

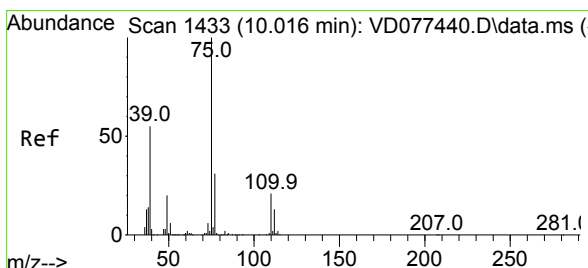
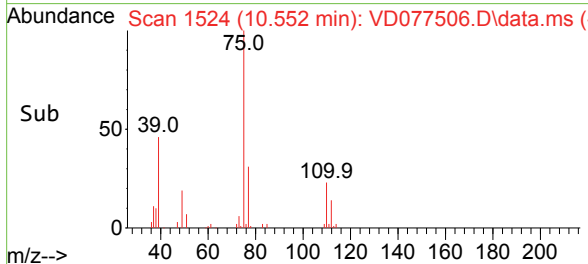
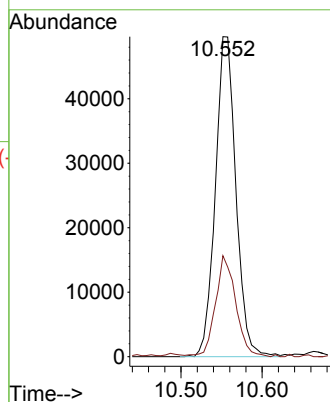
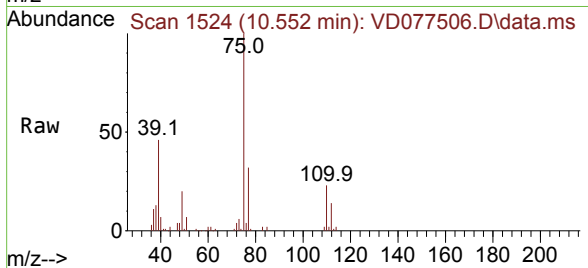




#53  
 t-1,3-Dichloropropene  
 Concen: 18.750 ug/l  
 RT: 10.552 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VD077506.D  
 Acq: 06 Nov 2023 11:34

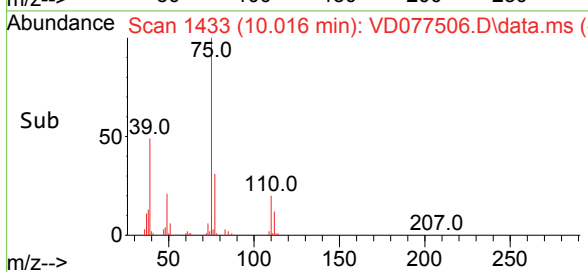
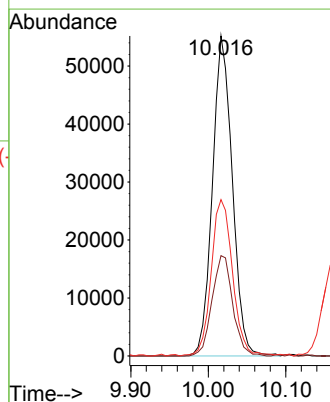
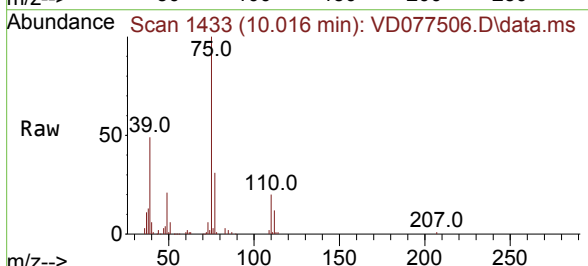
Instrument :  
 MSVOA\_D  
 ClientSampleId :

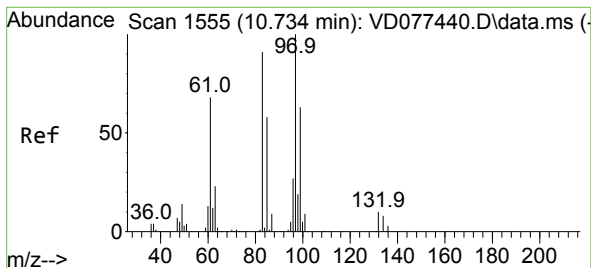
Tgt Ion: 75 Resp: 87515  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 25.3 37.9



#54  
 cis-1,3-Dichloropropene  
 Concen: 18.342 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD077506.D  
 Acq: 06 Nov 2023 11:34

Tgt Ion: 75 Resp: 98514  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 25.5 38.3  
 39 48.8 22.1 33.1#

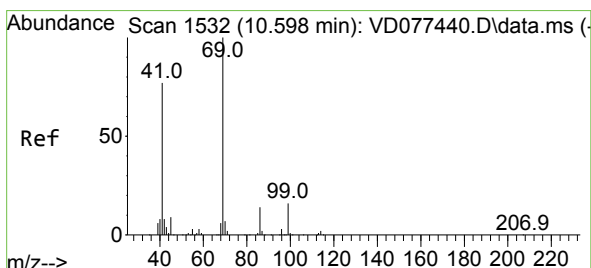
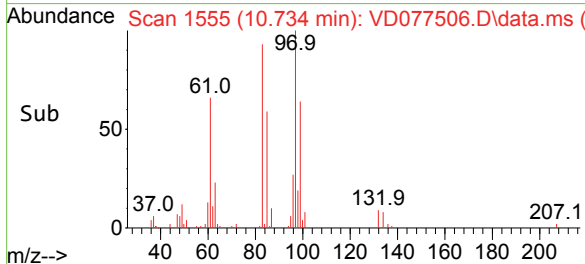
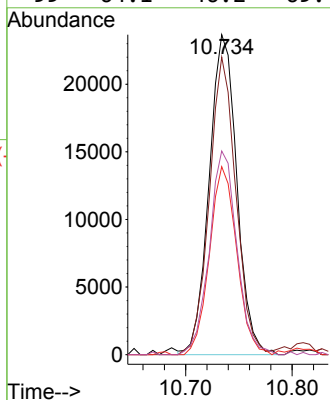
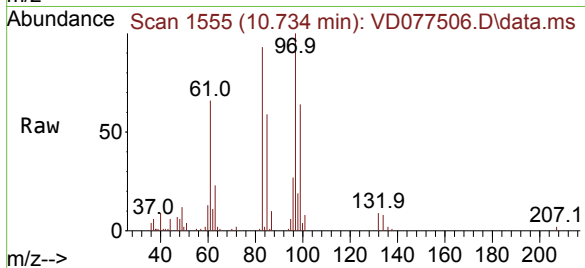




#55  
1,1,2-Trichloroethane  
Concen: 19.163 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

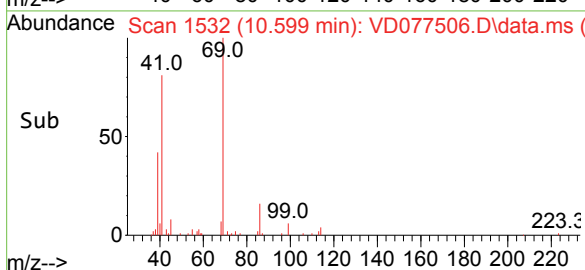
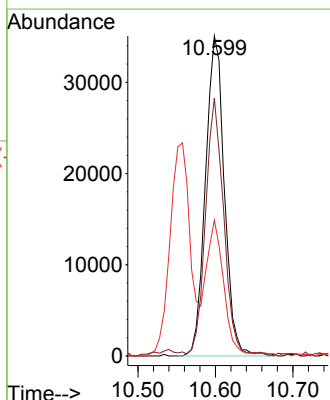
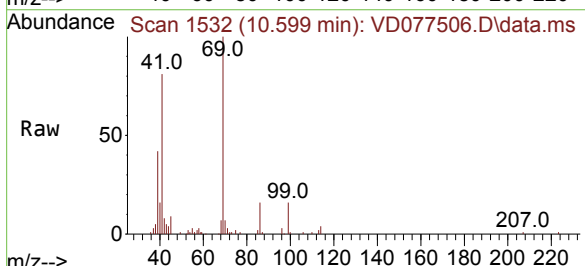
Instrument :  
MSVOA\_D  
ClientSampleId :

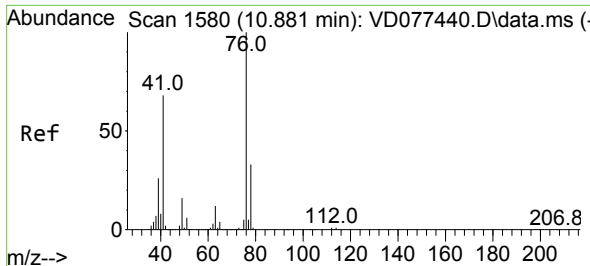
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 42636 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 93.7  | 65.8  | 98.6  |
| 85       | 59.2  | 45.7  | 68.5  |
| 99       | 64.1  | 46.2  | 69.4  |



#56  
Ethyl methacrylate  
Concen: 18.021 ug/l  
RT: 10.599 min Scan# 1532  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 59614 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 78.0  | 39.1  | 58.7# |
| 39       | 36.7  | 20.0  | 30.0# |





#57

1,3-Dichloropropane

Concen: 18.922 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

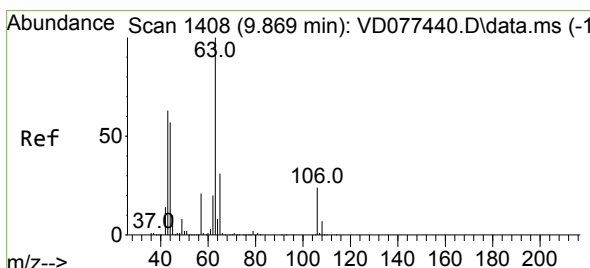
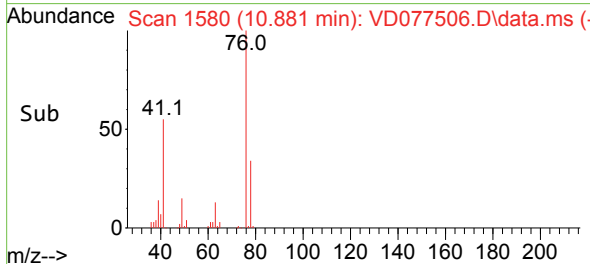
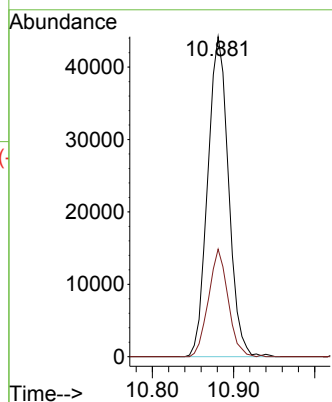
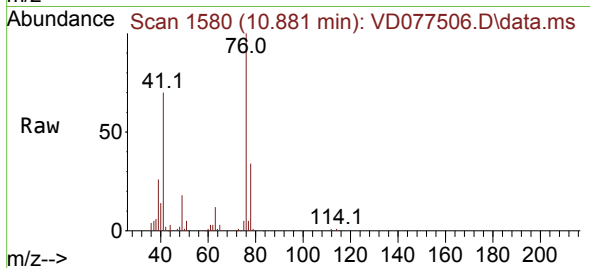
ClientSampleId :

Tgt Ion: 76 Resp: 78690

Ion Ratio Lower Upper

76 100

78 31.7 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 86.662 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD077506.D

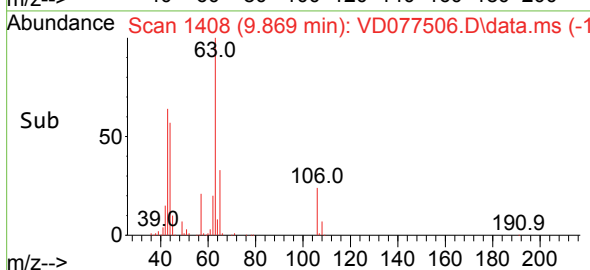
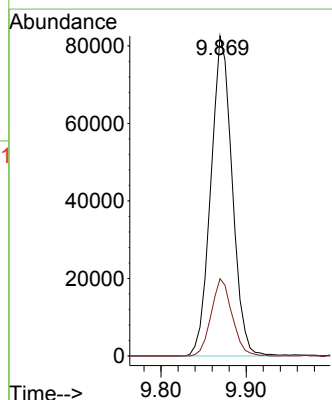
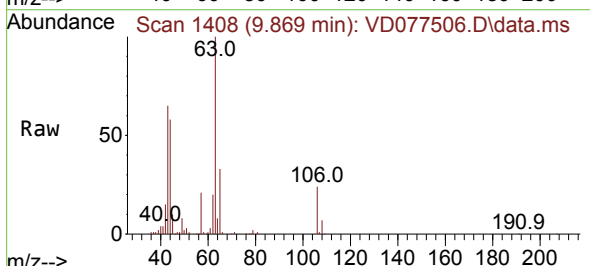
Acq: 06 Nov 2023 11:34

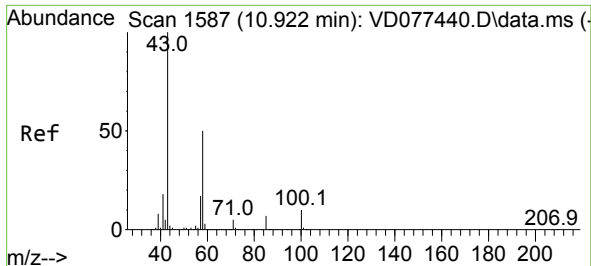
Tgt Ion: 63 Resp: 143523

Ion Ratio Lower Upper

63 100

106 23.7 25.3 37.9#

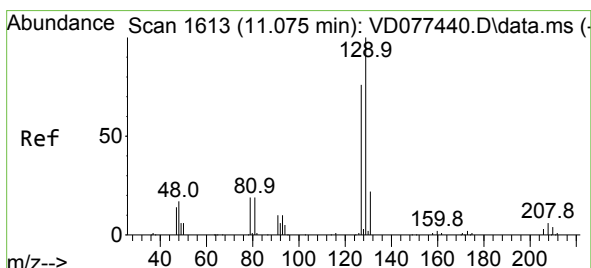
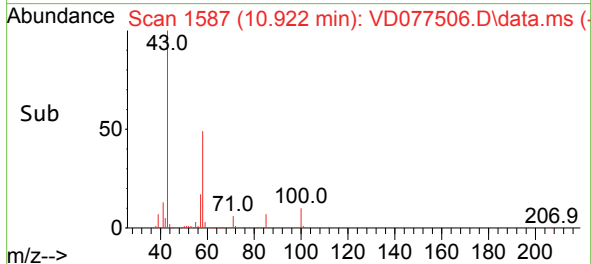
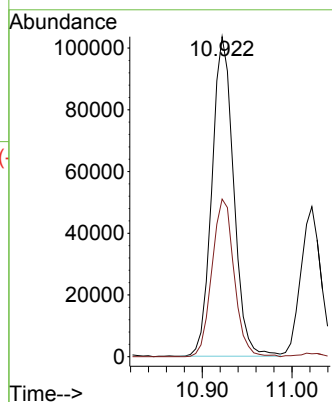
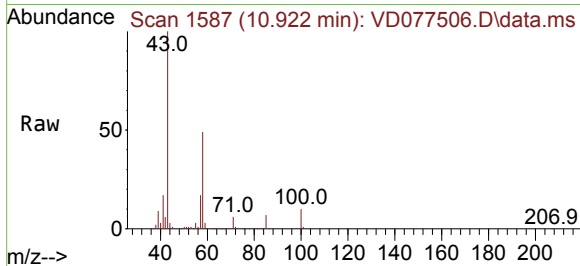




#59  
2-Hexanone  
Concen: 98.223 ug/l  
RT: 10.922 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

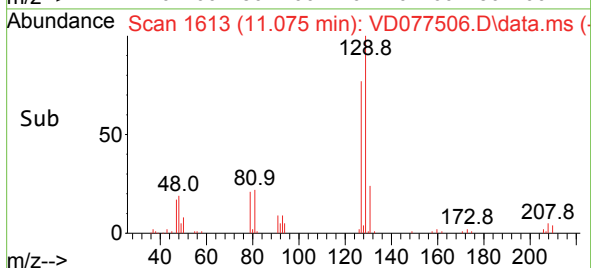
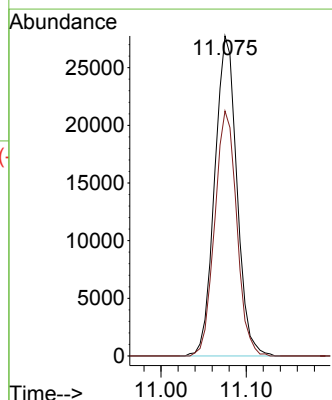
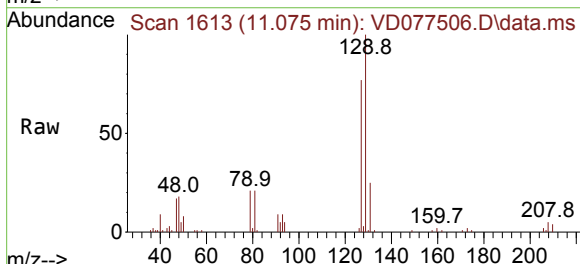
Instrument :  
MSVOA\_D  
ClientSampleId :

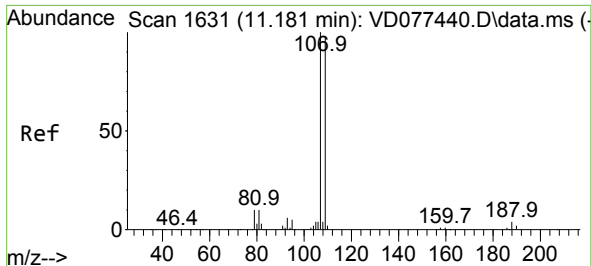
Tgt Ion: 43 Resp: 174106  
Ion Ratio Lower Upper  
43 100  
58 50.4 34.1 102.2



#60  
Dibromochloromethane  
Concen: 18.778 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 129 Resp: 50237  
Ion Ratio Lower Upper  
129 100  
127 76.0 37.1 111.5

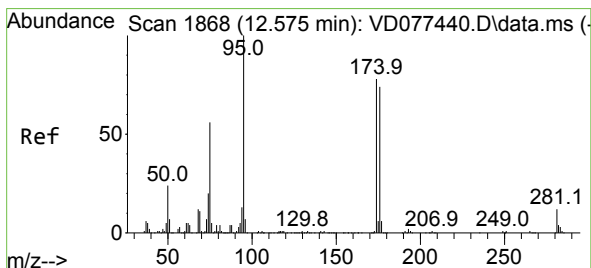
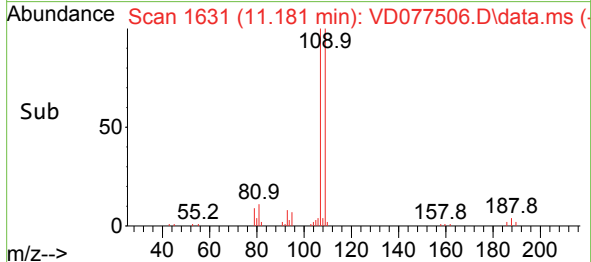
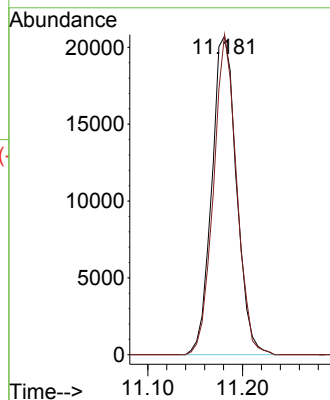
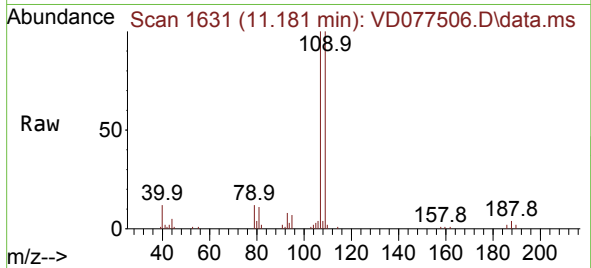




#61  
1,2-Dibromoethane  
Concen: 17.814 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

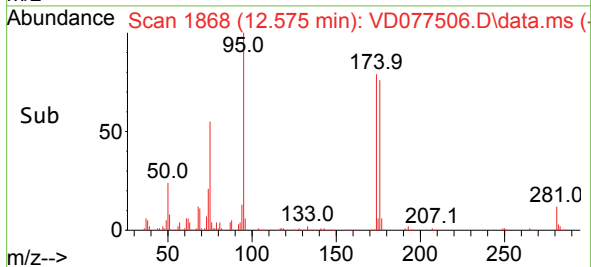
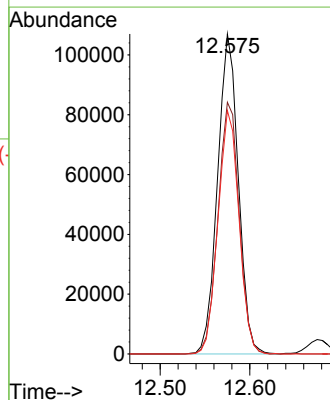
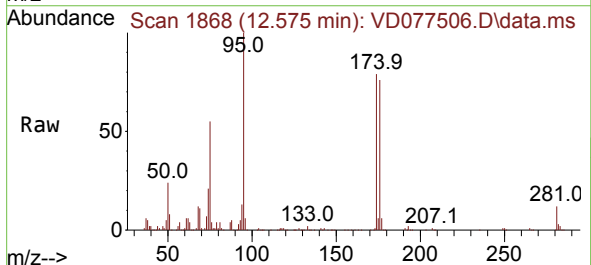
Instrument :  
MSVOA\_D  
ClientSampleId :

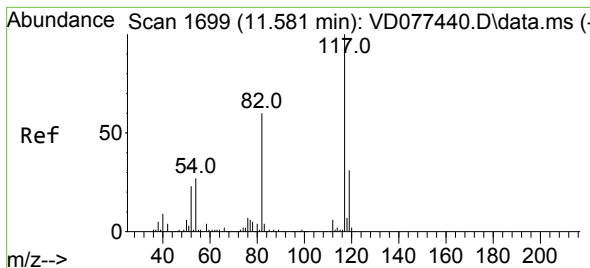
Tgt Ion:107 Resp: 37534  
Ion Ratio Lower Upper  
107 100  
109 94.0 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 47.195 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 95 Resp: 171892  
Ion Ratio Lower Upper  
95 100  
174 80.5 0.0 201.8  
176 76.8 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

ClientSampleId :

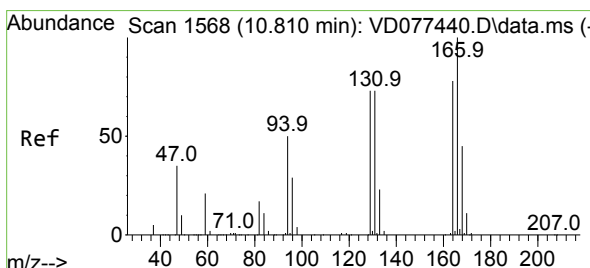
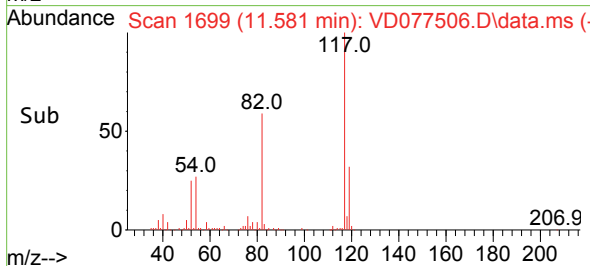
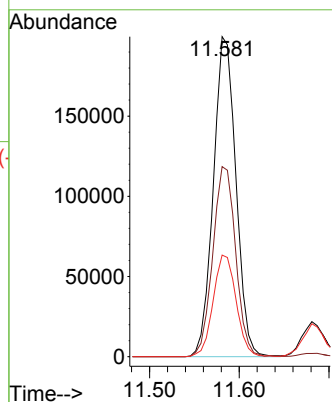
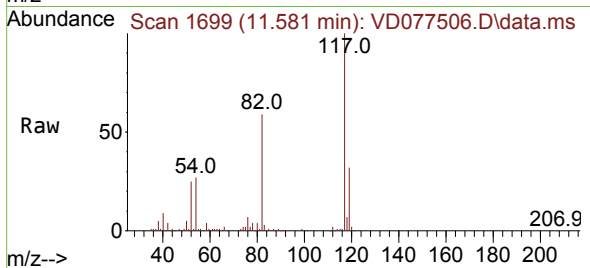
Tgt Ion:117 Resp: 348859

Ion Ratio Lower Upper

117 100

82 59.4 38.3 57.5#

119 31.7 25.0 37.4



#64

Tetrachloroethene

Concen: 18.977 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Tgt Ion:164 Resp: 42148

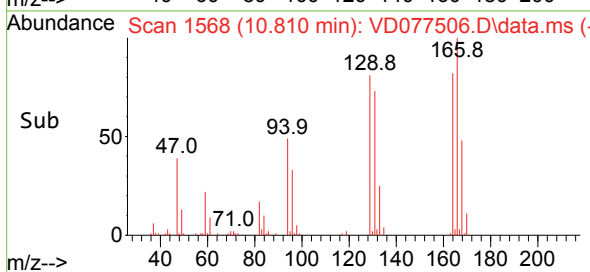
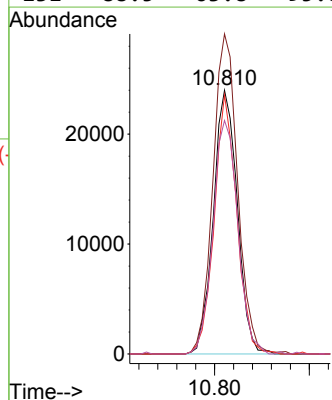
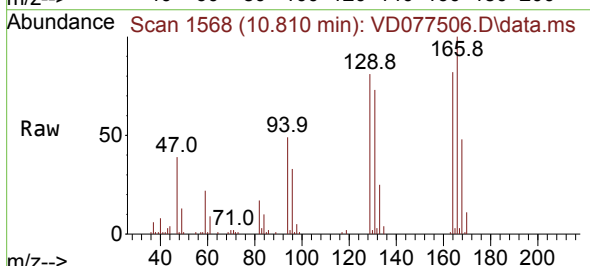
Ion Ratio Lower Upper

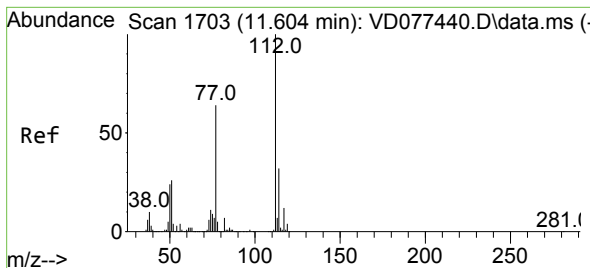
164 100

166 121.3 99.2 148.8

129 98.2 68.4 102.6

131 88.5 63.8 95.8





#65

Chlorobenzene

Concen: 19.731 ug/l

RT: 11.610 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

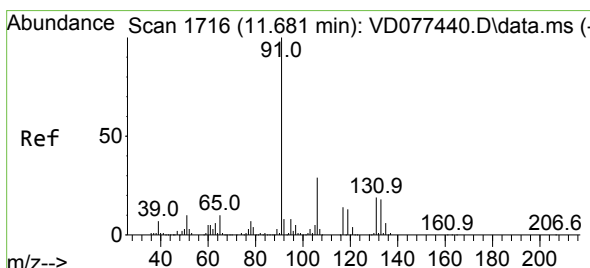
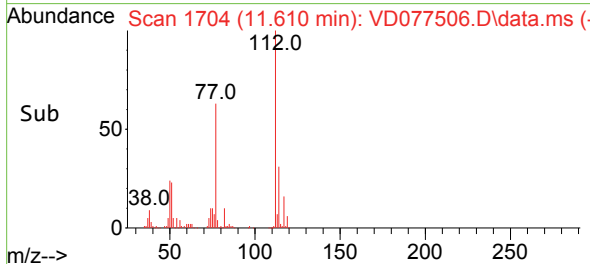
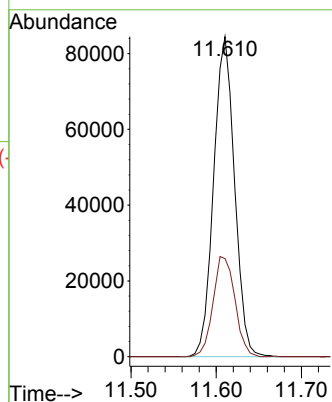
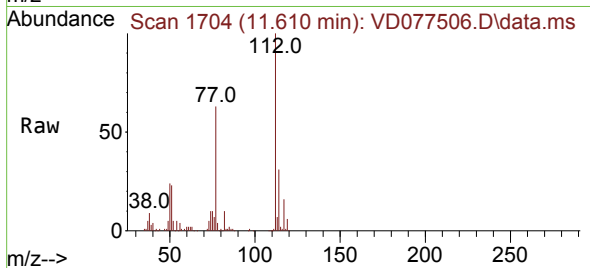
ClientSampleId :

Tgt Ion:112 Resp: 144207

Ion Ratio Lower Upper

112 100

114 30.7 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 19.506 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

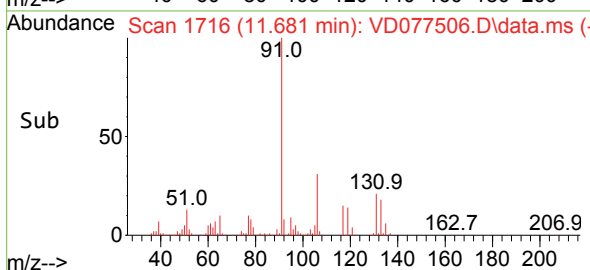
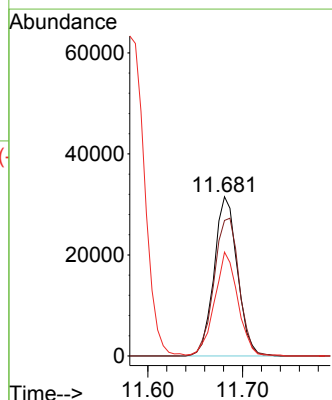
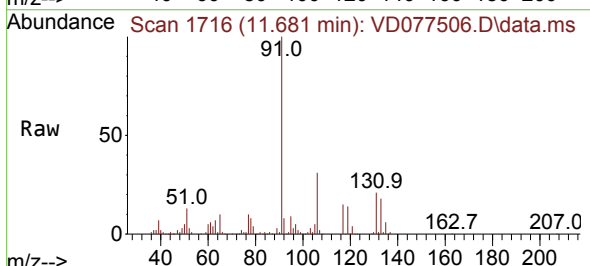
Tgt Ion:131 Resp: 53872

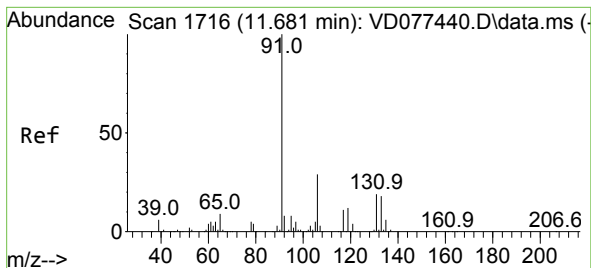
Ion Ratio Lower Upper

131 100

133 93.2 48.5 145.5

119 65.5 35.6 106.9





#67

Ethyl Benzene

Concen: 19.747 ug/l

RT: 11.687 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

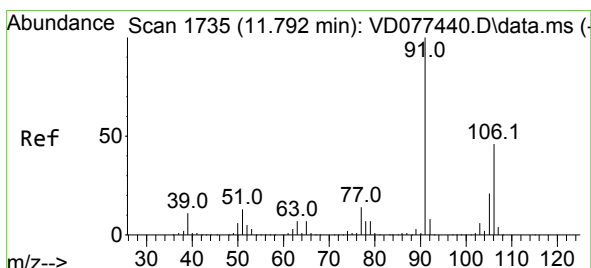
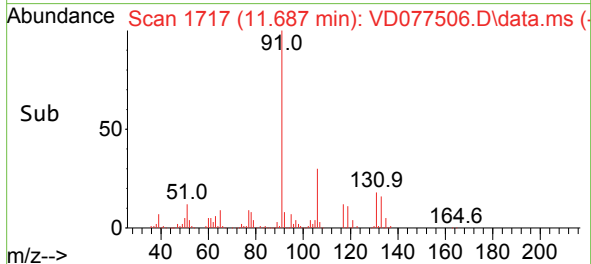
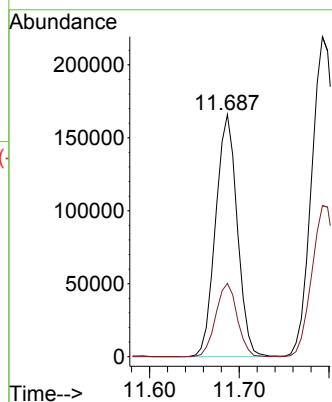
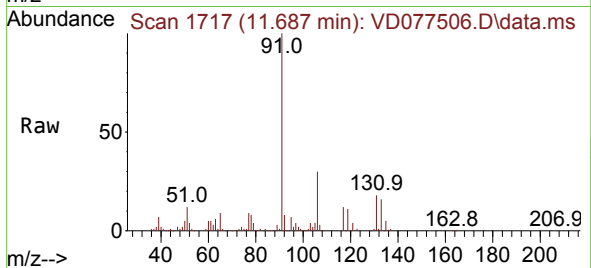
ClientSampleId :

Tgt Ion: 91 Resp: 277686

Ion Ratio Lower Upper

91 100

106 30.3 26.5 39.7



#68

m/p-Xylenes

Concen: 39.420 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD077506.D

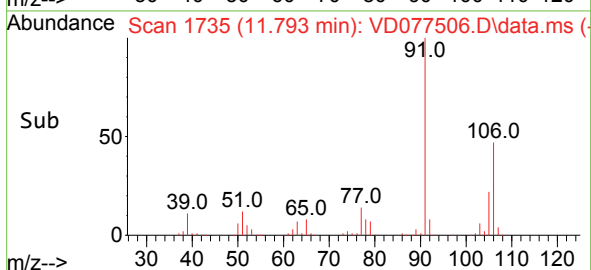
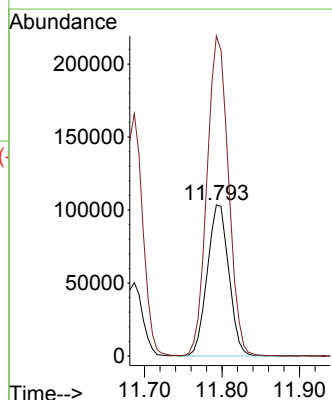
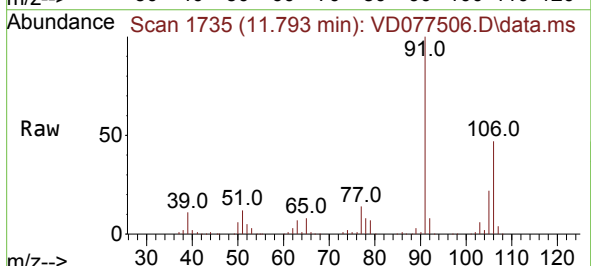
Acq: 06 Nov 2023 11:34

Tgt Ion:106 Resp: 200176

Ion Ratio Lower Upper

106 100

91 211.2 147.0 220.6

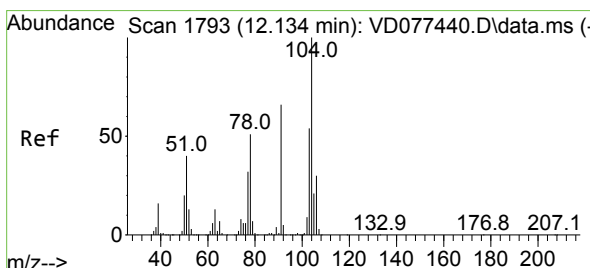
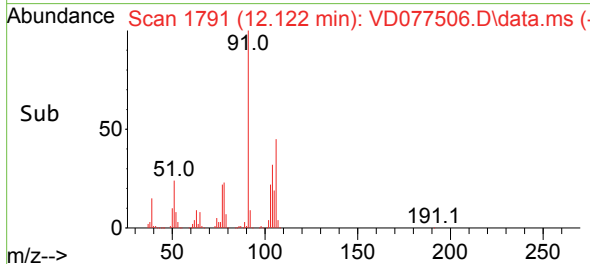
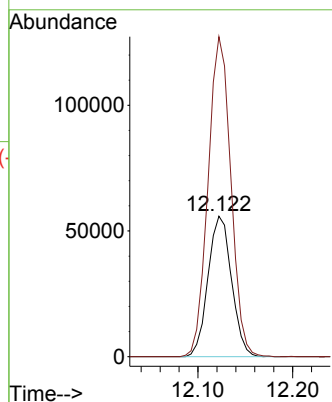
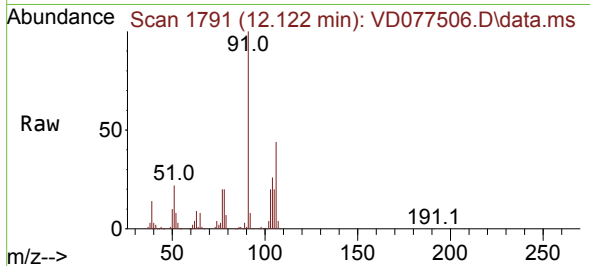




#69  
o-Xylene  
Concen: 19.809 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

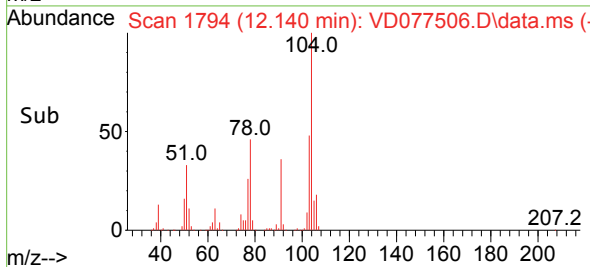
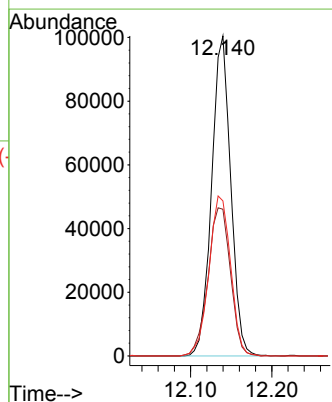
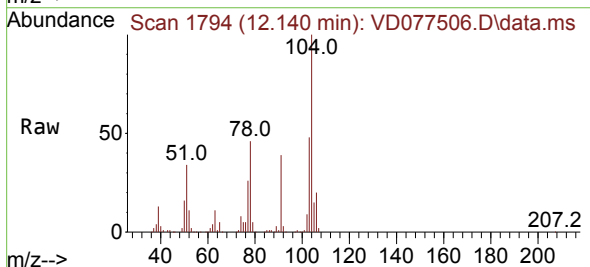
Instrument :  
MSVOA\_D  
ClientSampleId :

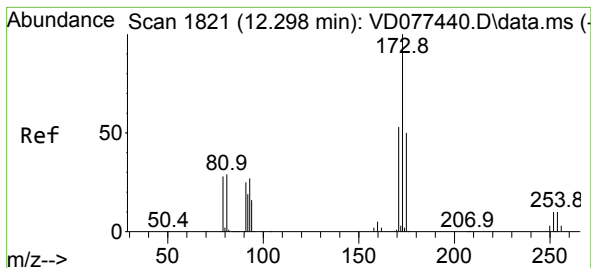
Tgt Ion:106 Resp: 96352  
Ion Ratio Lower Upper  
106 100  
91 221.3 97.9 293.6



#70  
Styrene  
Concen: 19.604 ug/l  
RT: 12.140 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion:104 Resp: 164503  
Ion Ratio Lower Upper  
104 100  
78 54.4 33.2 49.8#  
103 56.6 43.6 65.4





#71

Bromoform

Concen: 18.481 ug/l

RT: 12.299 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD077506.D

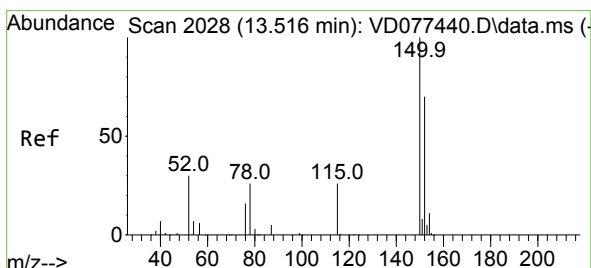
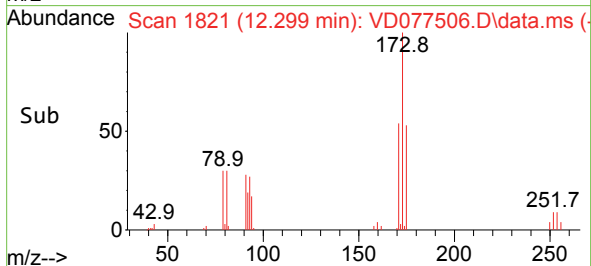
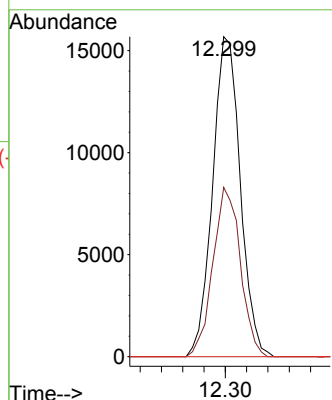
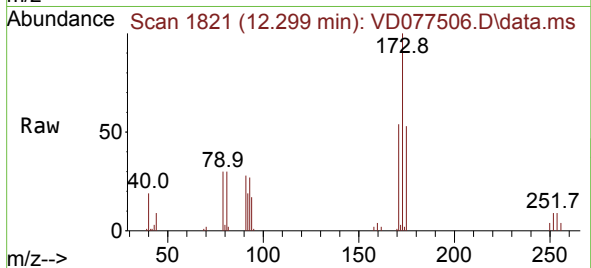
Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 28298     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 52.4  | 24.6 73.8 |
| 254         | 0.0   | 0.0 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

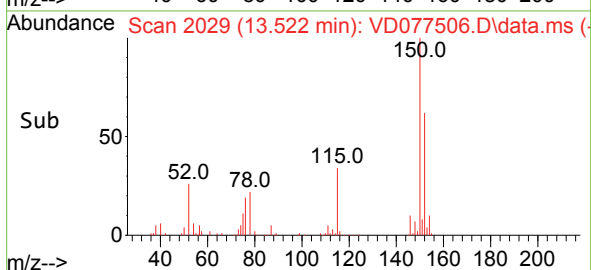
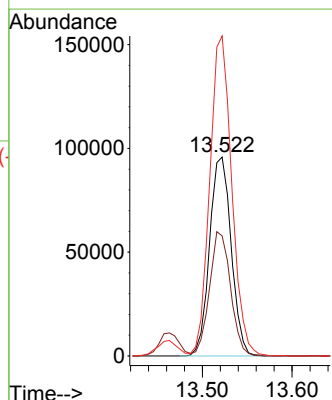
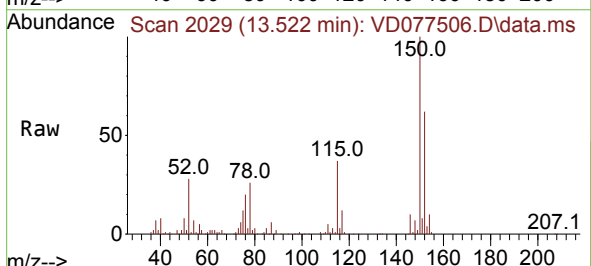
RT: 13.522 min Scan# 2029

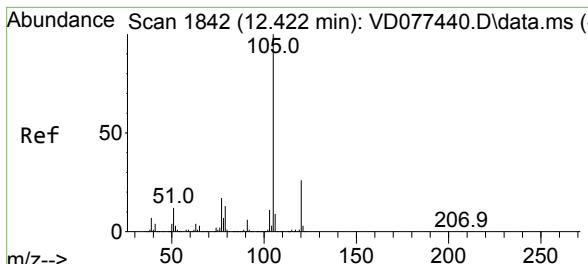
Delta R.T. 0.006 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 160369    |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 60.8  | 27.1 81.3 |
| 150         | 163.4 | 0.0 353.6 |

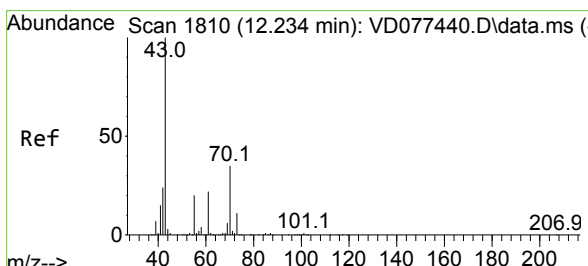
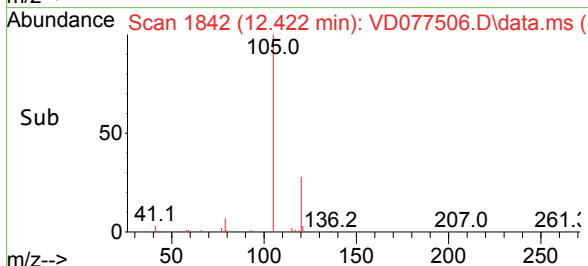
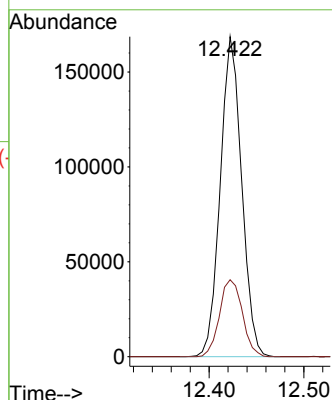
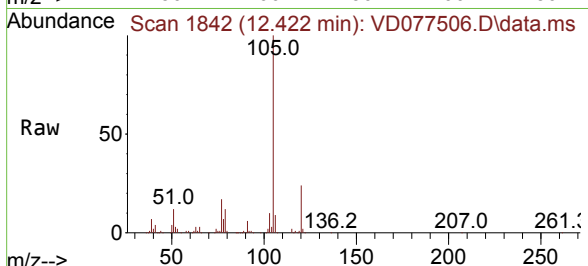




#73  
Isopropylbenzene  
Concen: 20.260 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

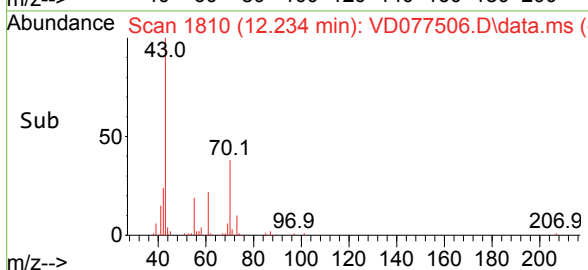
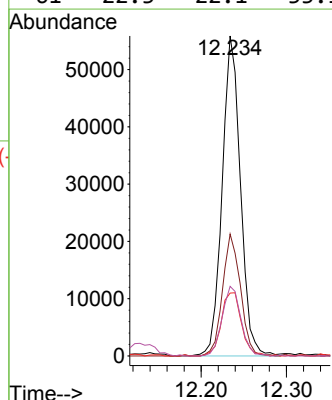
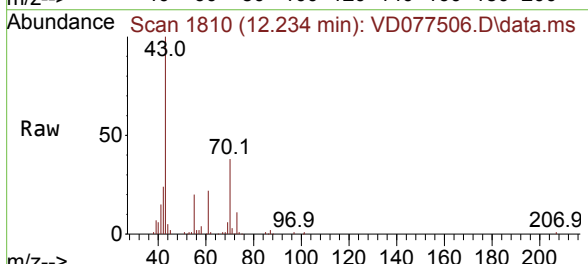
Instrument :  
MSVOA\_D  
ClientSampleId :

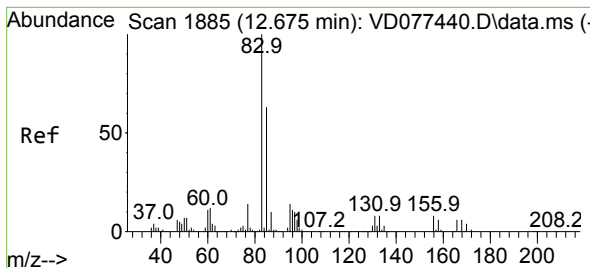
Tgt Ion:105 Resp: 264898  
Ion Ratio Lower Upper  
105 100  
120 25.7 14.3 42.9



#74  
N-ethyl acetate  
Concen: 17.992 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 43 Resp: 83324  
Ion Ratio Lower Upper  
43 100  
70 37.3 45.0 67.4#  
55 21.9 23.8 35.6#  
61 22.3 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.760 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

ClientSampleId :

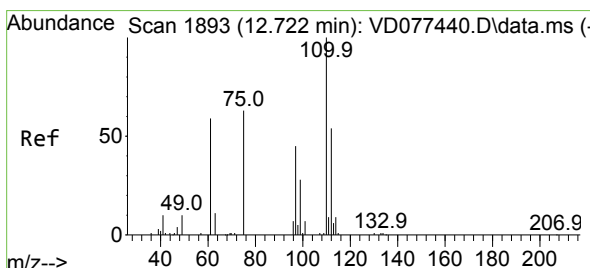
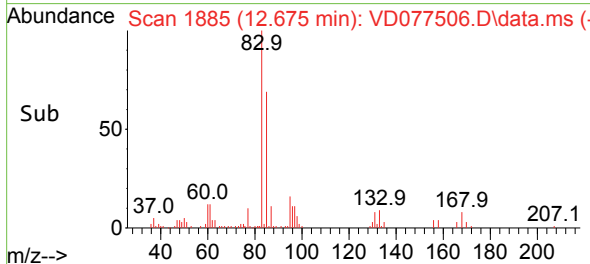
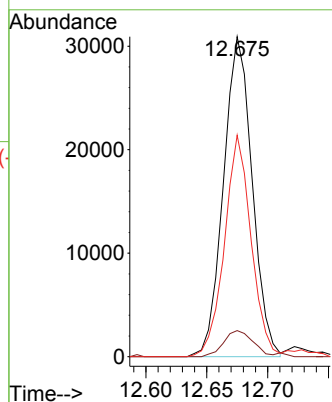
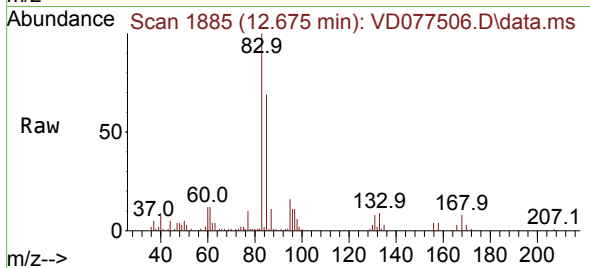
Tgt Ion: 83 Resp: 50646

Ion Ratio Lower Upper

83 100

131 8.8 5.1 15.3

85 64.2 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 34.390 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD077506.D

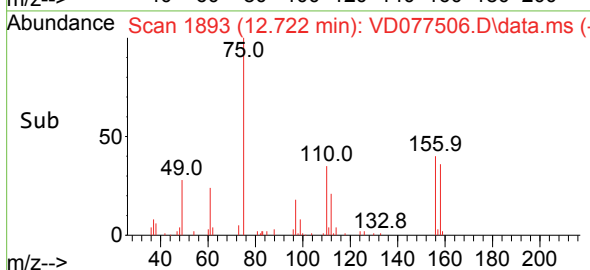
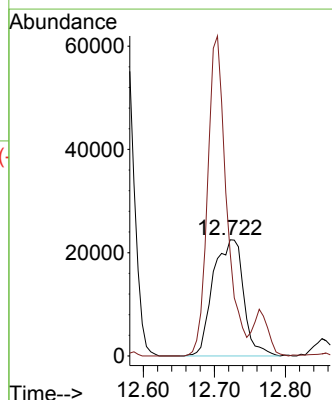
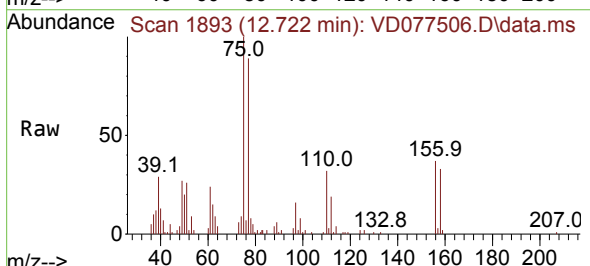
Acq: 06 Nov 2023 11:34

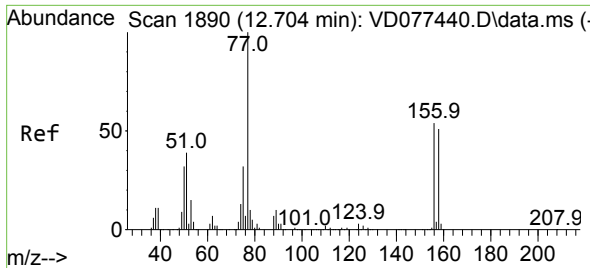
Tgt Ion: 75 Resp: 67124

Ion Ratio Lower Upper

75 100

77 171.3 0.0 0.0#

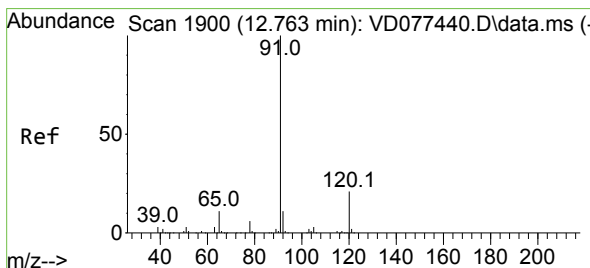
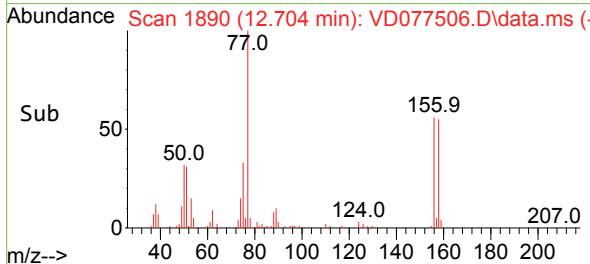
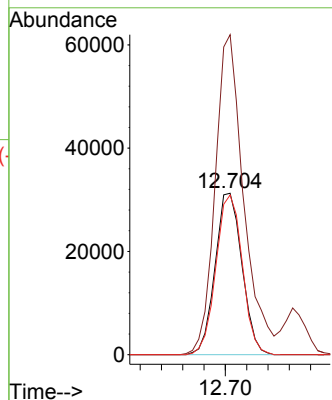
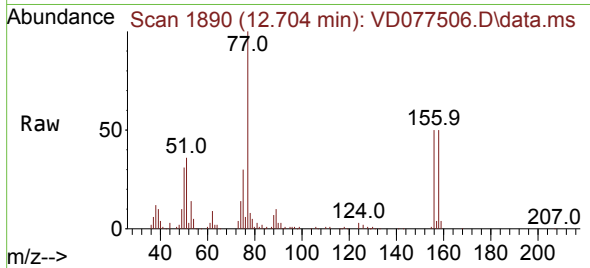




#77  
Bromobenzene  
Concen: 19.021 ug/l  
RT: 12.704 min Scan# 1890  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

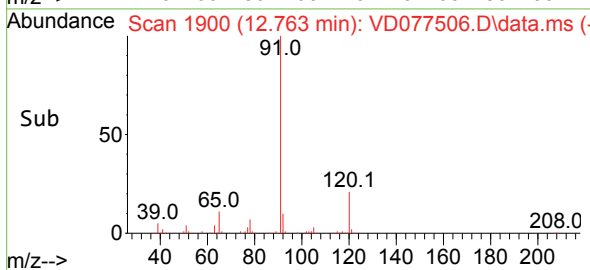
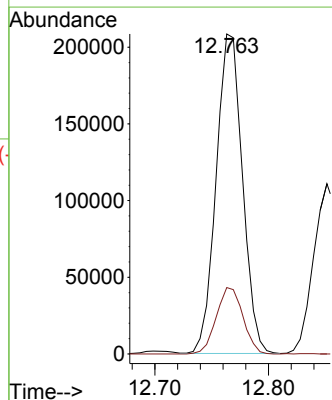
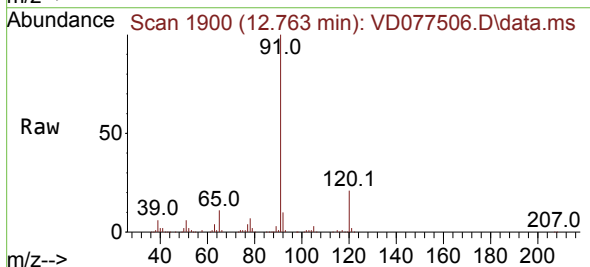
Instrument :  
MSVOA\_D  
ClientSampleId :

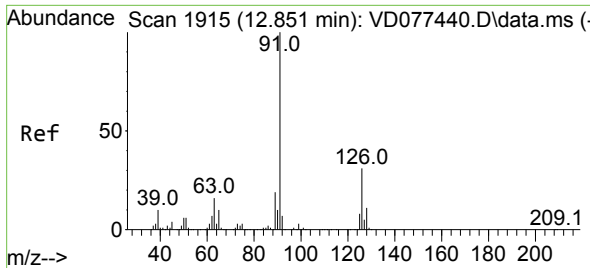
Tgt Ion:156 Resp: 54741  
Ion Ratio Lower Upper  
156 100  
77 210.1 76.8 230.4  
158 97.1 48.6 145.9



#78  
n-propylbenzene  
Concen: 20.209 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 91 Resp: 335512  
Ion Ratio Lower Upper  
91 100  
120 21.0 12.4 37.2

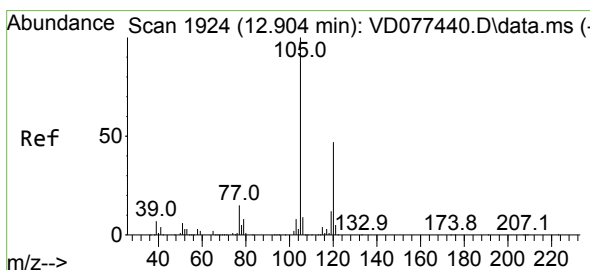
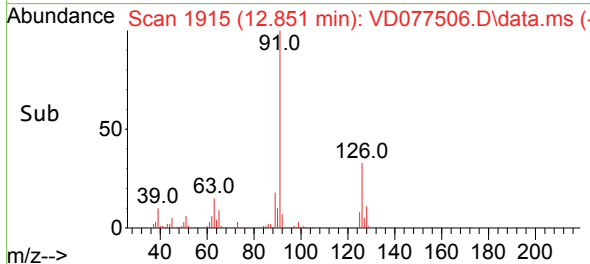
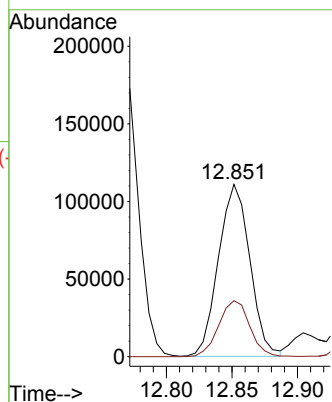
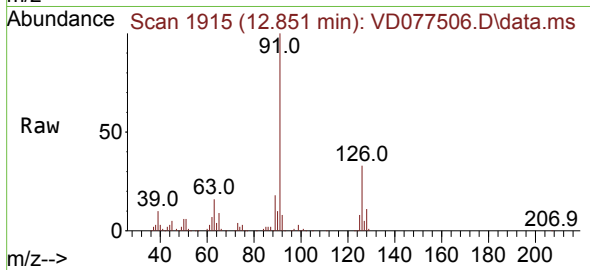




#79  
2-Chlorotoluene  
Concen: 19.657 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

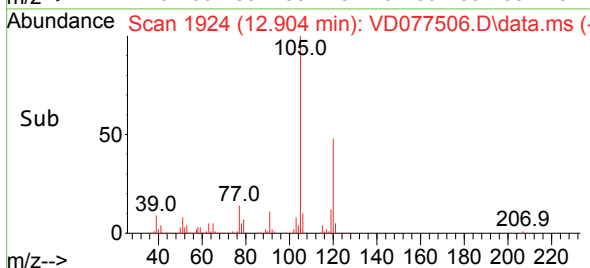
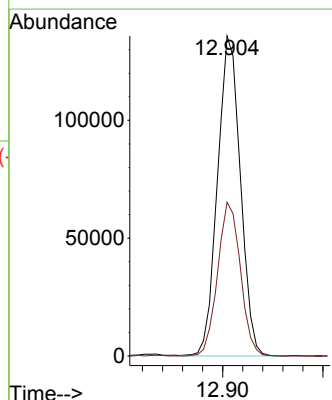
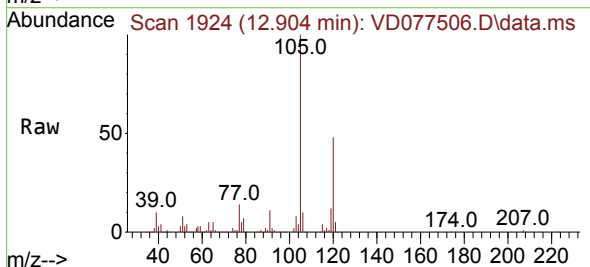
Instrument :  
MSVOA\_D  
ClientSampleId :

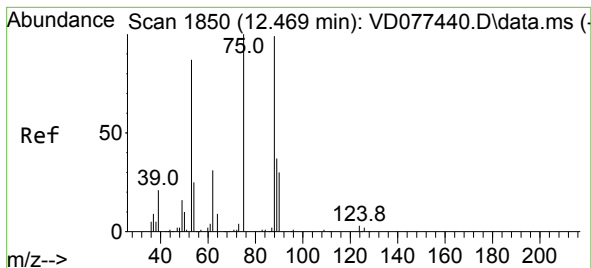
Tgt Ion: 91 Resp: 184776  
Ion Ratio Lower Upper  
91 100  
126 32.3 19.4 58.1



#80  
1,3,5-Trimethylbenzene  
Concen: 19.596 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 105 Resp: 214989  
Ion Ratio Lower Upper  
105 100  
120 47.9 26.4 79.2

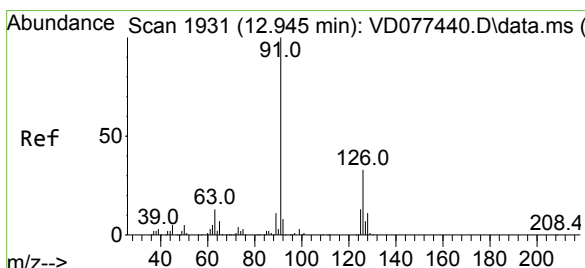
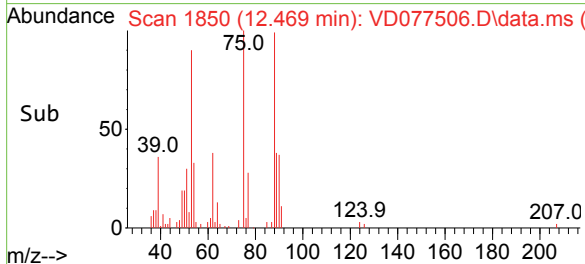
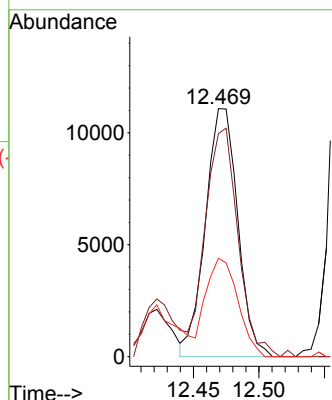
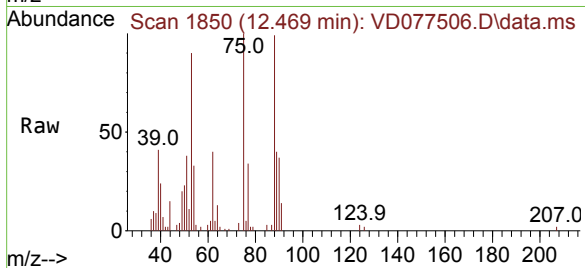




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.792 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

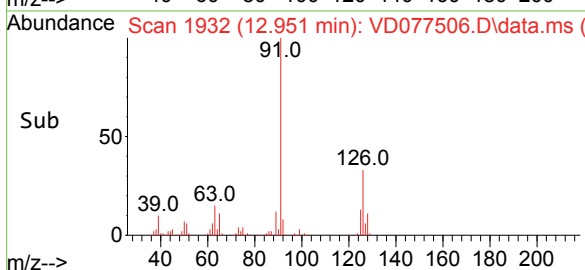
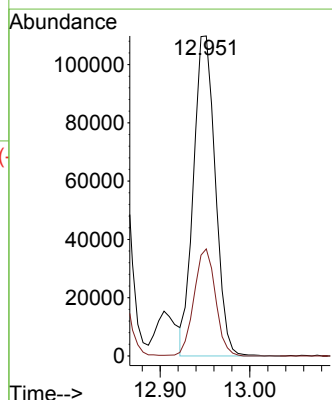
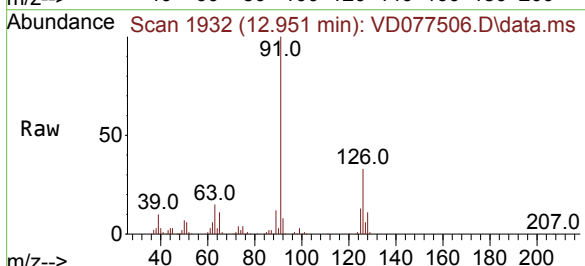
Instrument :  
MSVOA\_D  
ClientSampleId :

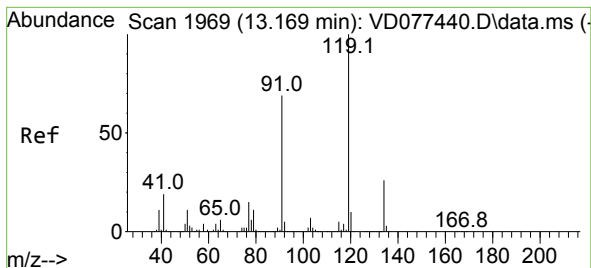
Tgt Ion: 75 Resp: 18989  
Ion Ratio Lower Upper  
75 100  
53 93.1 63.0 94.4  
89 39.0 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 18.929 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion: 91 Resp: 185342  
Ion Ratio Lower Upper  
91 100  
126 33.0 19.4 58.4





#83

tert-Butylbenzene

Concen: 20.027 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

ClientSampleId :

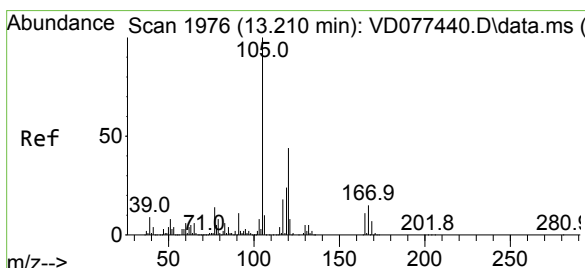
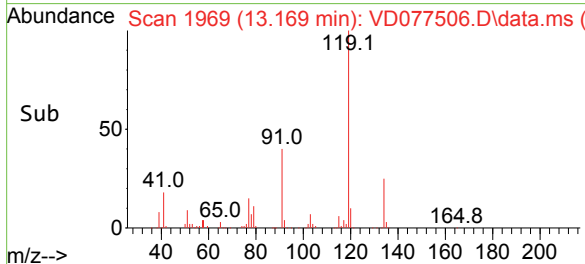
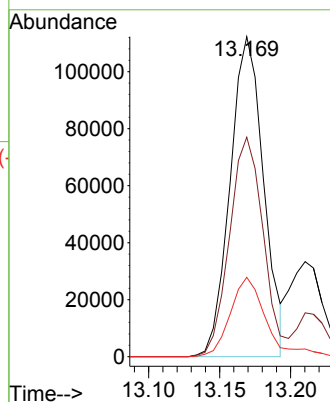
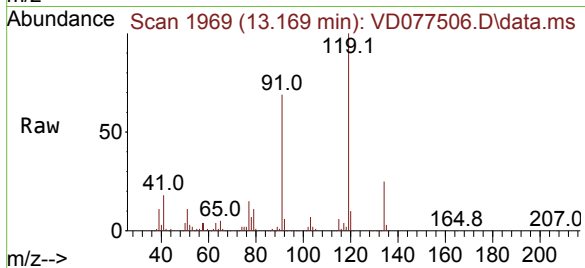
Tgt Ion:119 Resp: 184727

Ion Ratio Lower Upper

119 100

91 69.3 29.3 87.8

134 26.4 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 19.867 ug/l

RT: 13.216 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VD077506.D

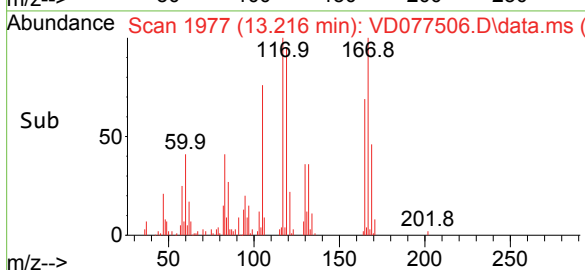
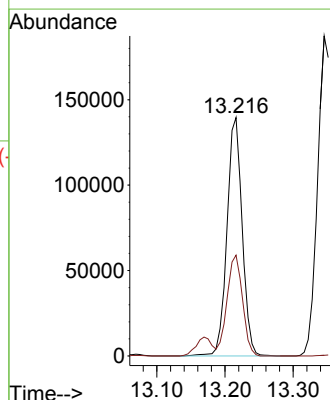
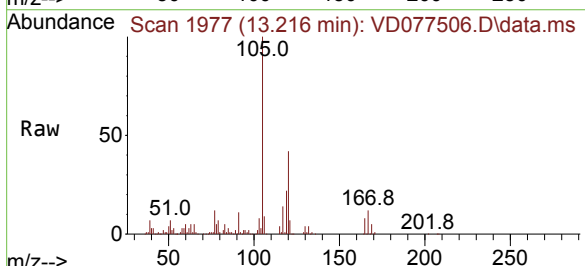
Acq: 06 Nov 2023 11:34

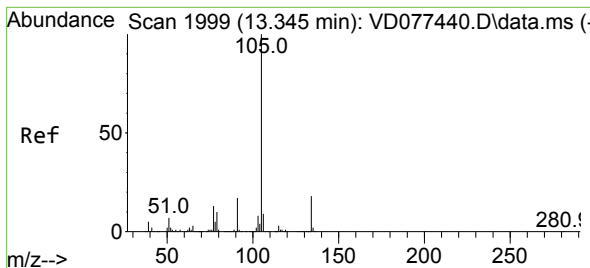
Tgt Ion:105 Resp: 216515

Ion Ratio Lower Upper

105 100

120 43.0 24.3 72.9





#85

sec-Butylbenzene

Concen: 20.736 ug/l

RT: 13.346 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

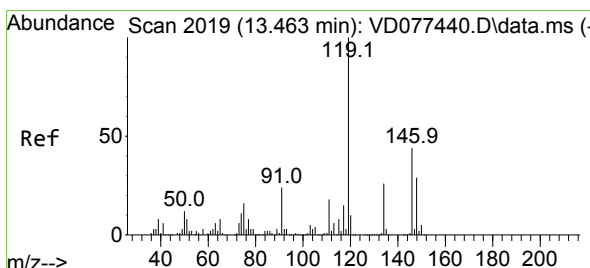
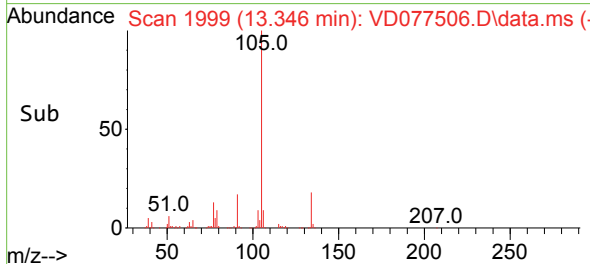
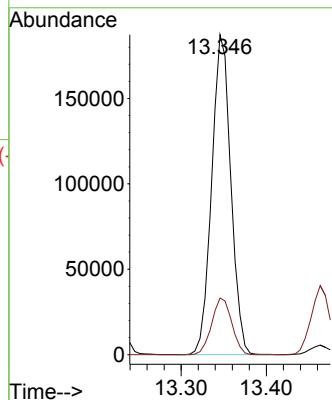
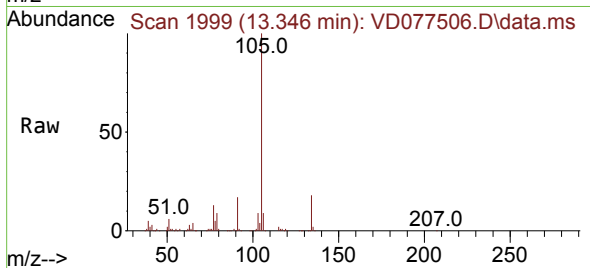
ClientSampleId :

Tgt Ion:105 Resp: 292660

Ion Ratio Lower Upper

105 100

134 18.5 10.9 32.9



#86

p-Isopropyltoluene

Concen: 20.452 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

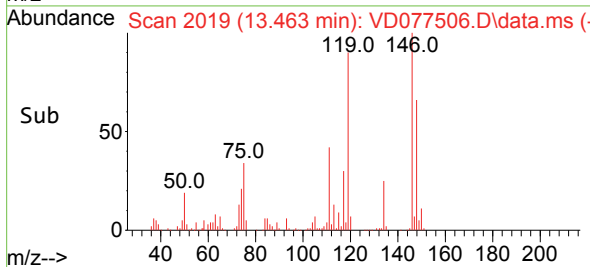
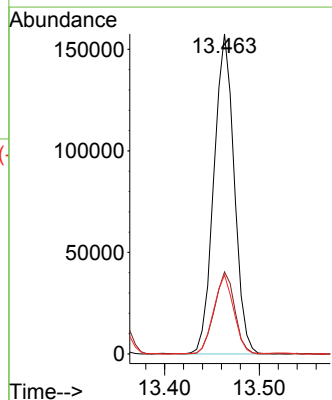
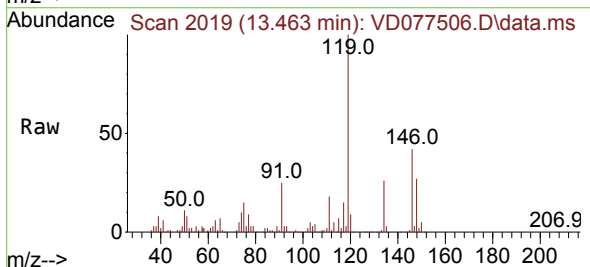
Tgt Ion:119 Resp: 234616

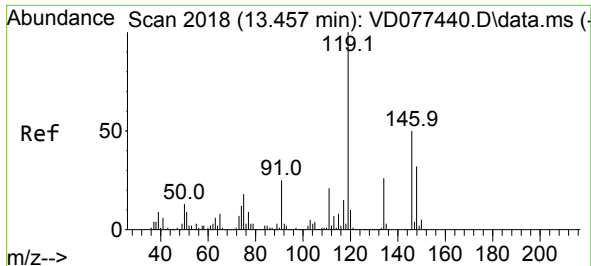
Ion Ratio Lower Upper

119 100

134 25.7 14.2 42.6

91 24.6 10.5 31.5

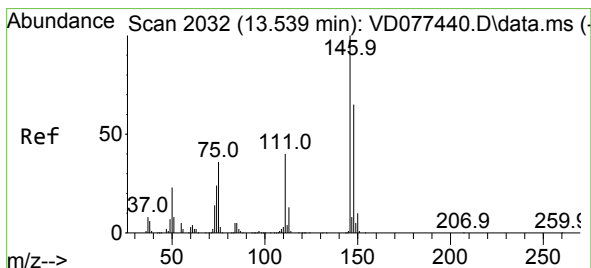
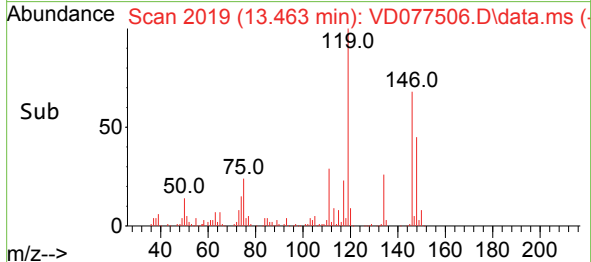
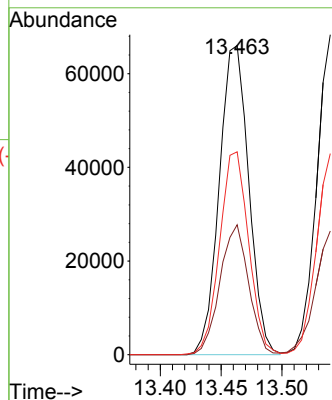
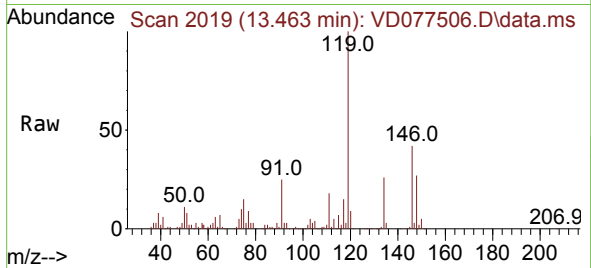




#87  
1,3-Dichlorobenzene  
Concen: 19.687 ug/l  
RT: 13.463 min Scan# 2018  
Delta R.T. 0.006 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

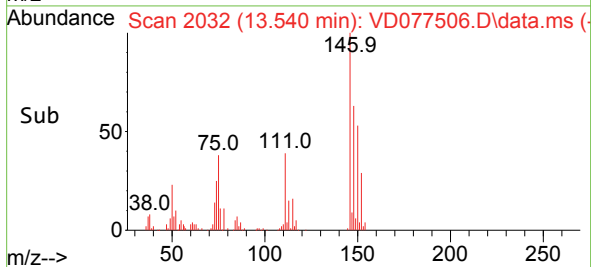
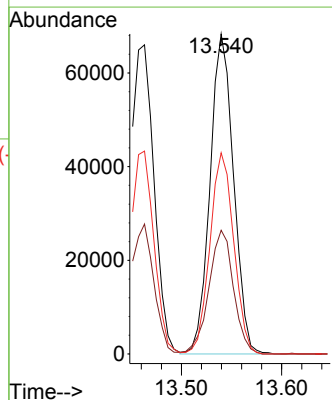
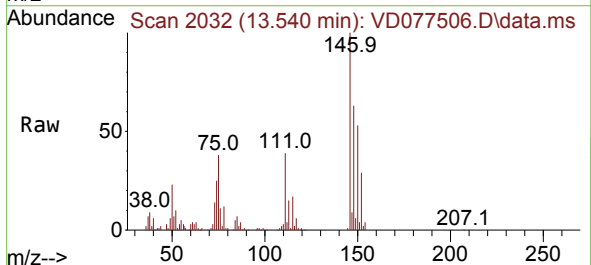
Instrument :  
MSVOA\_D  
ClientSampleId :

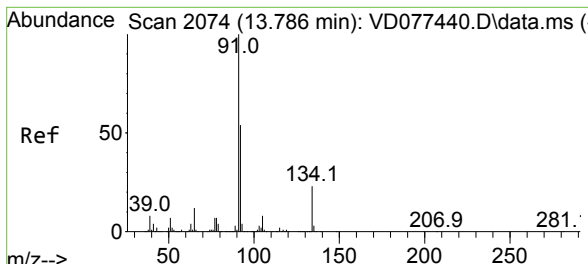
Tgt Ion:146 Resp: 111373  
Ion Ratio Lower Upper  
146 100  
111 40.9 17.9 53.8  
148 64.6 32.3 96.8



#88  
1,4-Dichlorobenzene  
Concen: 19.677 ug/l  
RT: 13.540 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Tgt Ion:146 Resp: 111215  
Ion Ratio Lower Upper  
146 100  
111 40.5 17.4 52.3  
148 63.8 31.7 95.1

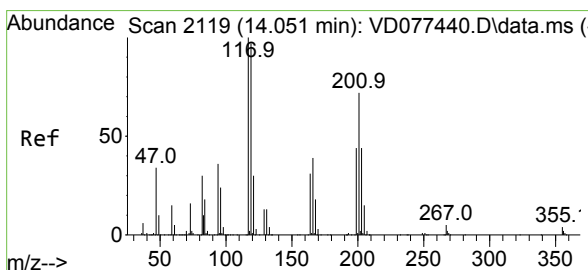
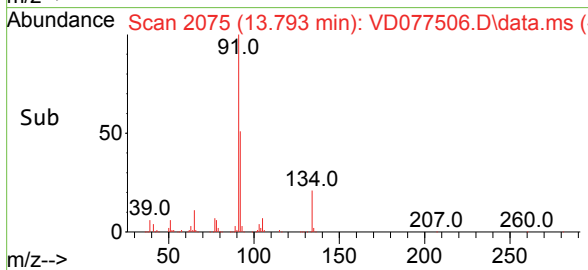
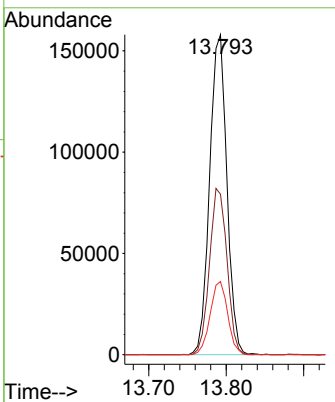
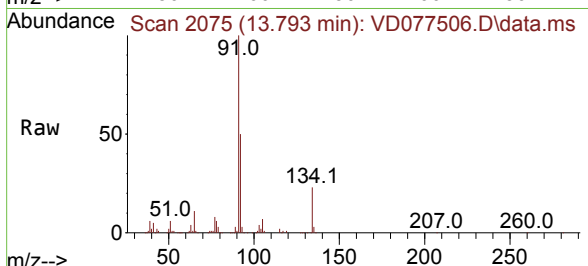




#89  
 n-Butylbenzene  
 Concen: 20.444 ug/l  
 RT: 13.793 min Scan# 2075  
 Delta R.T. 0.006 min  
 Lab File: VD077506.D  
 Acq: 06 Nov 2023 11:34

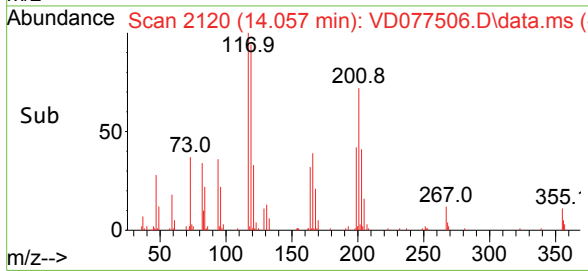
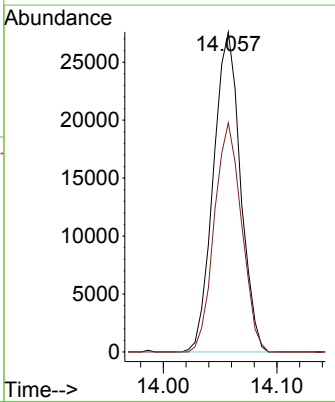
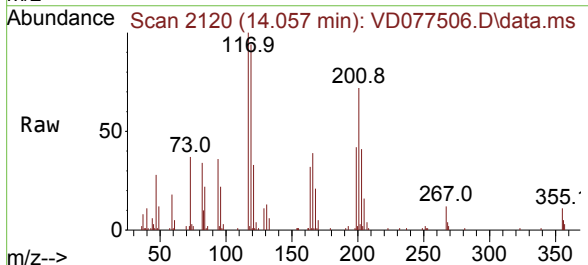
Instrument :  
 MSVOA\_D  
 ClientSampleId :

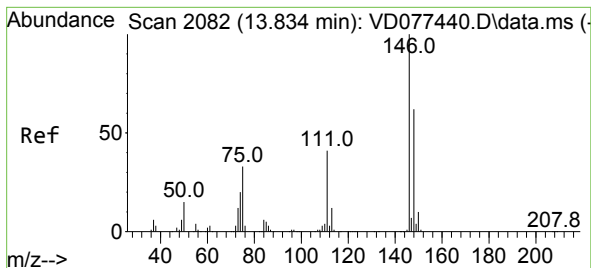
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 243762 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 52.8  | 26.5  | 79.5   |
| 134      | 23.3  | 13.8  | 41.3   |



#90  
 Hexachloroethane  
 Concen: 19.461 ug/l  
 RT: 14.057 min Scan# 2120  
 Delta R.T. 0.006 min  
 Lab File: VD077506.D  
 Acq: 06 Nov 2023 11:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 45685 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 72.2  | 38.5  | 115.5 |





#91

1,2-Dichlorobenzene

Concen: 20.045 ug/l

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

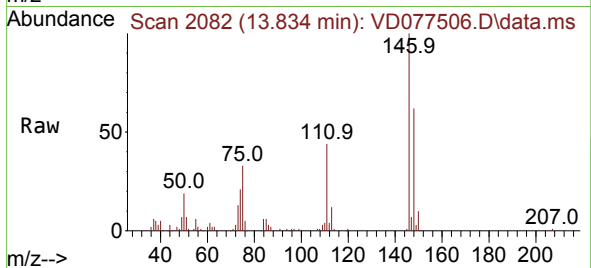
Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

ClientSampleId :



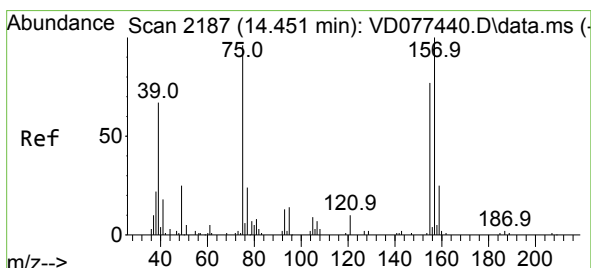
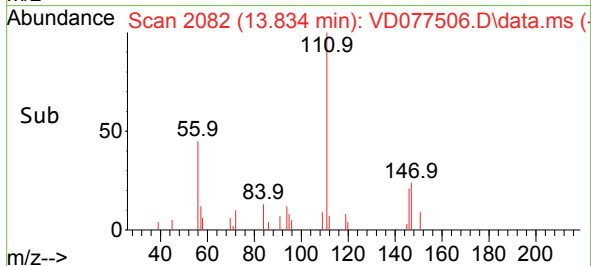
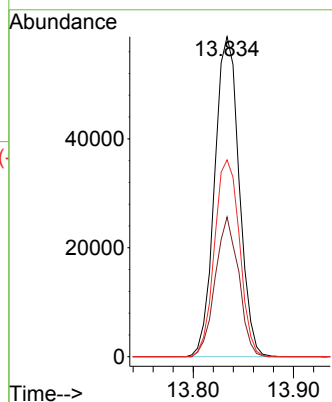
Tgt Ion:146 Resp: 99657

Ion Ratio Lower Upper

146 100

111 41.8 18.3 54.8

148 62.8 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.688 ug/l

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

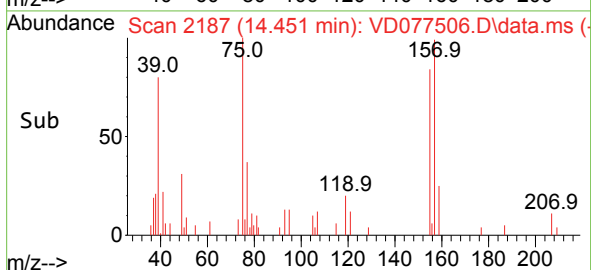
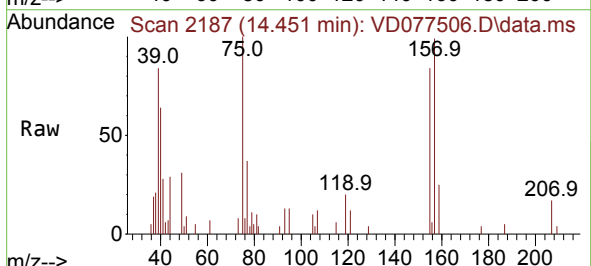
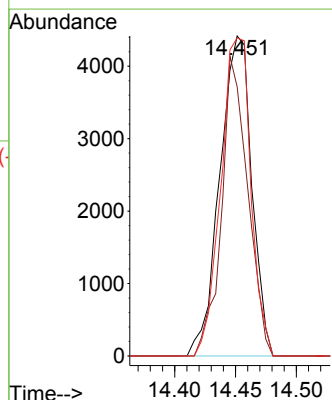
Tgt Ion: 75 Resp: 8069

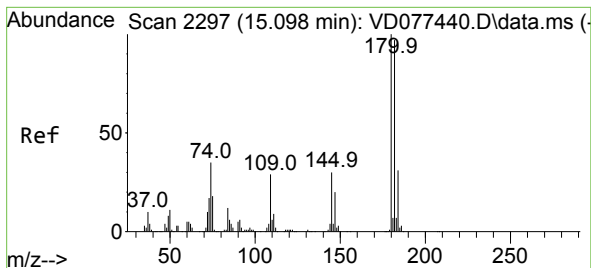
Ion Ratio Lower Upper

75 100

155 76.9 47.9 143.8

157 93.5 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 19.104 ug/l

RT: 15.104 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

Instrument :

MSVOA\_D

ClientSampleId :

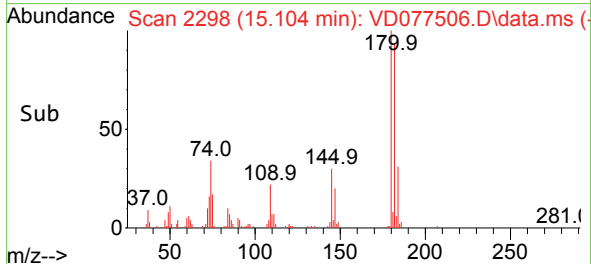
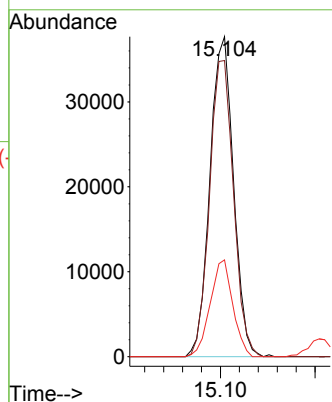
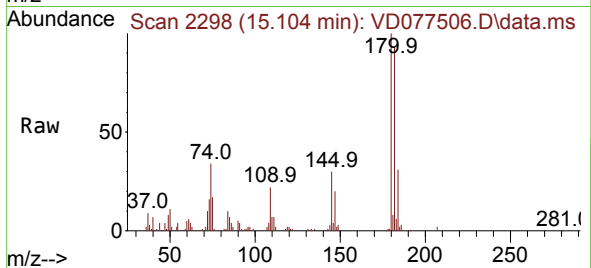
Tgt Ion:180 Resp: 65248

Ion Ratio Lower Upper

180 100

182 94.0 48.5 145.6

145 29.0 14.2 42.6



#94

Hexachlorobutadiene

Concen: 19.055 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD077506.D

Acq: 06 Nov 2023 11:34

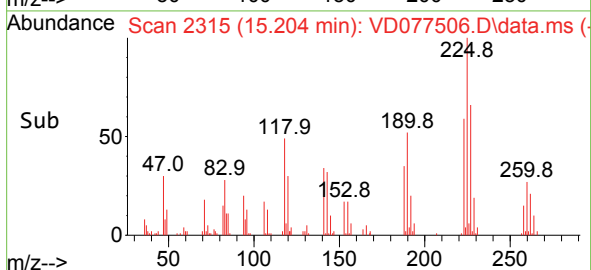
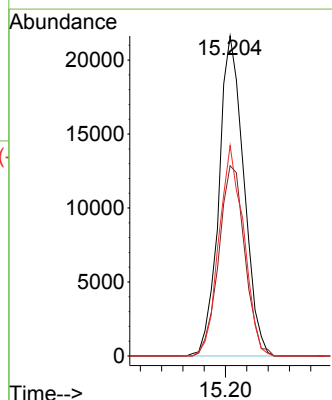
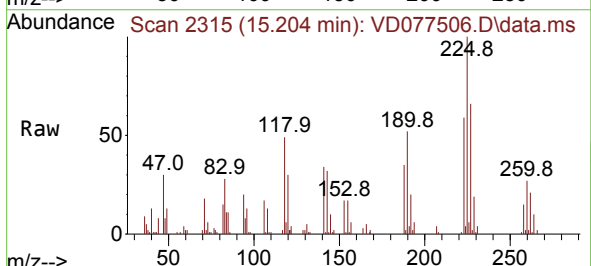
Tgt Ion:225 Resp: 35106

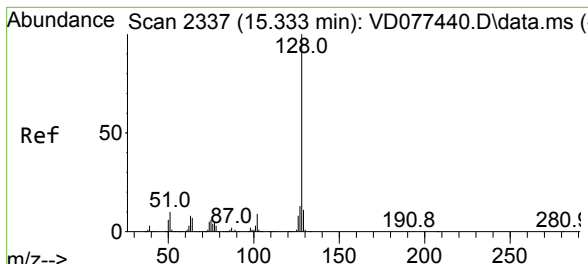
Ion Ratio Lower Upper

225 100

223 62.1 31.6 94.8

227 65.3 31.7 95.1

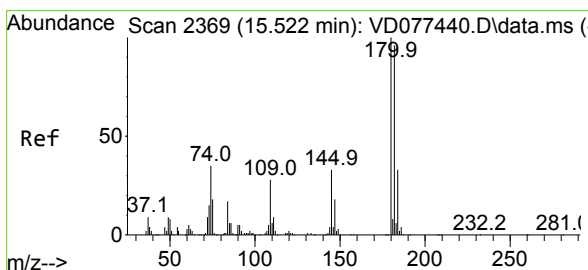
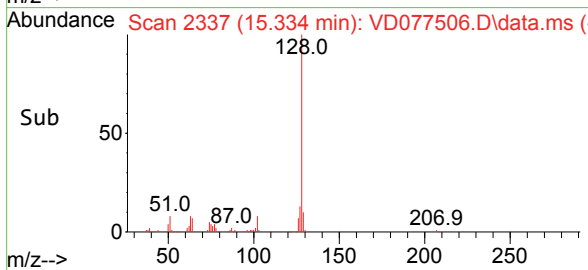
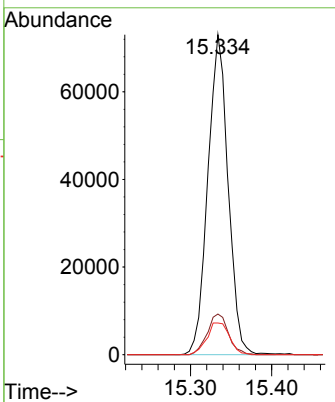
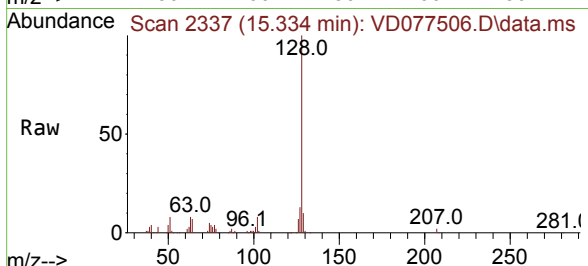




#95  
Naphthalene  
Concen: 19.439 ug/l  
RT: 15.334 min Scan# 2337  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

Instrument :  
MSVOA\_D  
ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 126653 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 10.5  | 15.7   |
| 129       | 9.9   | 8.7   | 13.1   |



#96  
1,2,3-Trichlorobenzene  
Concen: 18.594 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. 0.000 min  
Lab File: VD077506.D  
Acq: 06 Nov 2023 11:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 54818 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.4  | 47.3  | 141.9 |
| 145       | 31.9  | 15.1  | 45.3  |

