

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110123\  
 Data File : VD077475.D  
 Acq On : 01 Nov 2023 12:29  
 Operator : JC/SY  
 Sample : VD1101SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 02 00:53:53 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  | 249813   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 445326   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 389478   | 50.000 | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 174768   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 163546   | 46.298   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 92.600% |
| 35) Dibromofluoromethane    | 7.810  | 113   | 141462   | 45.960   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.920% |
| 50) Toluene-d8              | 10.269 | 98    | 588420   | 49.218   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.440% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 184684   | 45.865   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 91.740% |

|                              |       |     |        |         |        |    |
|------------------------------|-------|-----|--------|---------|--------|----|
| Target Compounds             |       |     |        | Qvalue  |        |    |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 40569  | 20.140  | ug/l   | 94 |
| 3) Chloromethane             | 2.152 | 50  | 63047  | 19.715  | ug/l   | 95 |
| 4) Vinyl Chloride            | 2.287 | 62  | 67076  | 21.509  | ug/l   | 99 |
| 5) Bromomethane              | 2.693 | 94  | 37103  | 22.705  | ug/l   | 96 |
| 6) Chloroethane              | 2.834 | 64  | 47226  | 22.493  | ug/l   | 98 |
| 7) Trichlorofluoromethane    | 3.175 | 101 | 85322  | 19.537  | ug/l   | 97 |
| 8) Diethyl Ether             | 3.599 | 74  | 29658  | 18.892  | ug/l # | 53 |
| 9) 1,1,2-Trichlorotrifluo... | 3.969 | 101 | 52519  | 19.920  | ug/l   | 92 |
| 10) Methyl Iodide            | 4.169 | 142 | 50999  | 17.501  | ug/l # | 90 |
| 11) Tert butyl alcohol       | 5.052 | 59  | 25575  | 91.398  | ug/l # | 83 |
| 12) 1,1-Dichloroethene       | 3.946 | 96  | 47211  | 18.915  | ug/l # | 70 |
| 13) Acrolein                 | 3.799 | 56  | 34588  | 93.735  | ug/l   | 94 |
| 14) Allyl chloride           | 4.563 | 41  | 111668 | 18.546  | ug/l # | 84 |
| 15) Acrylonitrile            | 5.252 | 53  | 83018  | 97.828  | ug/l   | 98 |
| 16) Acetone                  | 4.022 | 43  | 91825  | 98.236  | ug/l # | 74 |
| 17) Carbon Disulfide         | 4.275 | 76  | 98123  | 15.544  | ug/l   | 99 |
| 18) Methyl Acetate           | 4.563 | 43  | 62945  | 18.461  | ug/l # | 77 |
| 19) Methyl tert-butyl Ether  | 5.322 | 73  | 147264 | 18.797  | ug/l   | 92 |
| 20) Methylene Chloride       | 4.805 | 84  | 86063  | 23.195  | ug/l # | 62 |
| 21) trans-1,2-Dichloroethene | 5.316 | 96  | 52574  | 18.086  | ug/l # | 68 |
| 22) Diisopropyl ether        | 6.222 | 45  | 246514 | 19.263  | ug/l # | 88 |
| 23) Vinyl Acetate            | 6.157 | 43  | 606269 | 109.812 | ug/l # | 84 |
| 24) 1,1-Dichloroethane       | 6.116 | 63  | 132145 | 19.901  | ug/l   | 93 |
| 25) 2-Butanone               | 7.081 | 43  | 117565 | 94.294  | ug/l # | 75 |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 111991 | 19.031  | ug/l   | 90 |
| 27) cis-1,2-Dichloroethene   | 7.081 | 96  | 67885  | 18.850  | ug/l   | 65 |
| 28) Bromochloromethane       | 7.428 | 49  | 45745  | 16.661  | ug/l # | 54 |
| 29) Tetrahydrofuran          | 7.446 | 42  | 69601  | 94.124  | ug/l # | 69 |
| 30) Chloroform               | 7.598 | 83  | 121425 | 19.585  | ug/l   | 92 |
| 31) Cyclohexane              | 7.875 | 56  | 102519 | 18.565  | ug/l # | 74 |
| 32) 1,1,1-Trichloroethane    | 7.793 | 97  | 102560 | 20.077  | ug/l   | 94 |
| 36) 1,1-Dichloropropene      | 8.010 | 75  | 87026  | 19.070  | ug/l   | 93 |
| 37) Ethyl Acetate            | 7.169 | 43  | 50011  | 19.096  | ug/l # | 87 |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 83579  | 19.436  | ug/l   | 97 |
| 39) Methylcyclohexane        | 9.275 | 83  | 95002  | 18.245  | ug/l # | 82 |
| 40) Benzene                  | 8.251 | 78  | 251858 | 19.354  | ug/l   | 99 |

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 Operator : JC/SY  
 Sample : VD1101SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 02 00:53:53 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         | 7.410  | 41   | 32006    | 19.099  | ug/l # | 69       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 77189    | 18.728  | ug/l   | 89       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 100860   | 18.662  | ug/l # | 80       |
| 44) Trichloroethene           | 9.034  | 130  | 59714    | 18.733  | ug/l   | 86       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 75139    | 19.613  | ug/l   | 99       |
| 46) Dibromomethane            | 9.398  | 93   | 32714    | 17.744  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.587  | 83   | 91178    | 18.710  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 47844    | 18.546  | ug/l # | 63       |
| 49) 1,4-Dioxane               | 9.393  | 88   | 6846     | 345.566 | ug/l # | 51       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 250558   | 94.188  | ug/l # | 80       |
| 52) Toluene                   | 10.334 | 92   | 154616   | 19.490  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 95603    | 18.527  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 112311   | 18.914  | ug/l # | 73       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 46433    | 18.877  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 66816    | 18.269  | ug/l # | 61       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 87399    | 19.009  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 156481   | 85.465  | ug/l # | 84       |
| 59) 2-Hexanone                | 10.922 | 43   | 189308   | 96.602  | ug/l   | 78       |
| 60) Dibromochloromethane      | 11.075 | 129  | 55043    | 18.609  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 41674    | 17.890  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 46697    | 18.832  | ug/l # | 83       |
| 65) Chlorobenzene             | 11.610 | 112  | 159078   | 19.496  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 59865    | 19.415  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.687 | 91   | 313608   | 19.975  | ug/l   | 92       |
| 68) m/p-Xylenes               | 11.792 | 106  | 224905   | 39.670  | ug/l   | 81       |
| 69) o-Xylene                  | 12.122 | 106  | 109909   | 20.240  | ug/l   | 82       |
| 70) Styrene                   | 12.134 | 104  | 183764   | 19.616  | ug/l # | 91       |
| 71) Bromoform                 | 12.304 | 173  | 31197    | 18.250  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.422 | 105  | 295111   | 20.711  | ug/l   | 95       |
| 74) N-amyl acetate            | 12.234 | 43   | 96649    | 19.150  | ug/l # | 79       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 56089    | 20.081  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 73622    | 34.612  | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 58852    | 18.764  | ug/l   | 69       |
| 78) n-propylbenzene           | 12.763 | 91   | 374746   | 20.713  | ug/l   | 92       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 206718   | 20.179  | ug/l   | 86       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 240069   | 20.079  | ug/l   | 93       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 20904    | 18.983  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 211487   | 19.820  | ug/l   | 87       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 205032   | 20.397  | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 237945   | 20.034  | ug/l   | 92       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 322437   | 20.964  | ug/l   | 93       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 256633   | 20.528  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 123390   | 20.014  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 120917   | 19.631  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.786 | 91   | 268211   | 20.641  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.057 | 117  | 50833    | 19.870  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 105323   | 19.439  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 8347     | 17.739  | ug/l   | 80       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 67637    | 18.172  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 39899    | 19.873  | ug/l   | 99       |
| 95) Naphthalene               | 15.333 | 128  | 132056   | 18.598  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.527 | 180  | 59729    | 18.591  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110123\  
Data File : VD077475.D  
Acq On : 01 Nov 2023 12:29  
Operator : JC/SY  
Sample : VD1101SBSD01  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

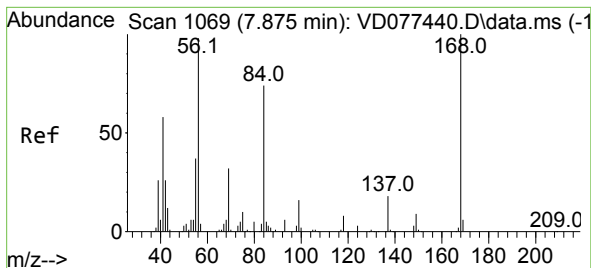
Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Nov 02 00:53:53 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

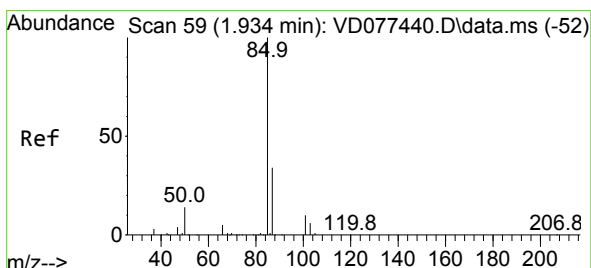
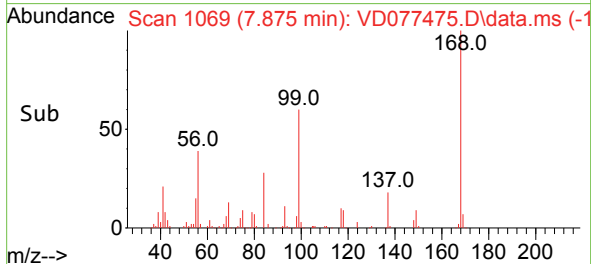
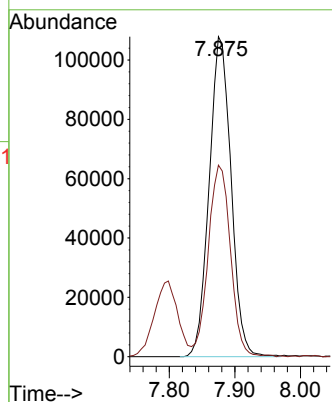
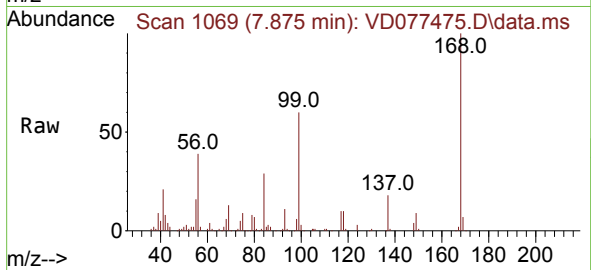
ClientSampleId :

Tgt Ion:168 Resp: 249813

Ion Ratio Lower Upper

168 100

99 59.6 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 20.140 ug/l

RT: 1.934 min Scan# 59

Delta R.T. -0.000 min

Lab File: VD077475.D

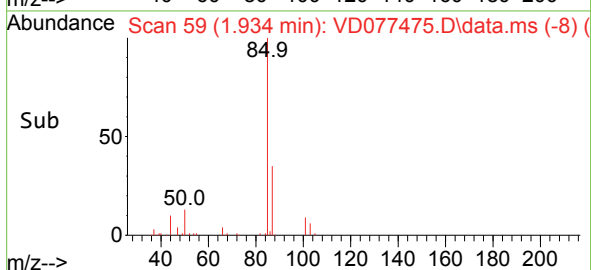
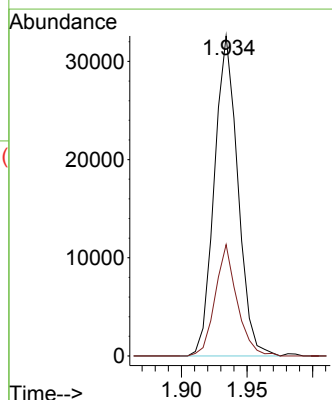
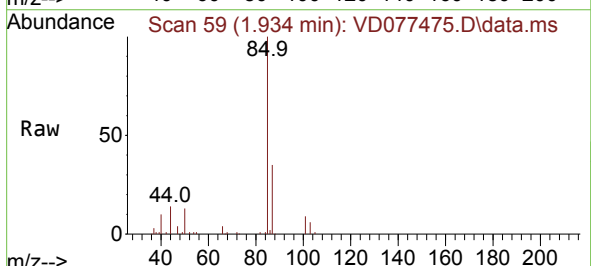
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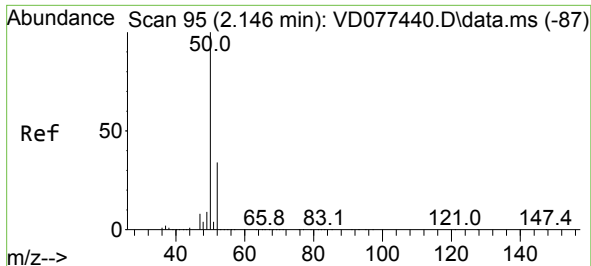
Tgt Ion: 85 Resp: 40569

Ion Ratio Lower Upper

85 100

87 34.8 15.7 47.0

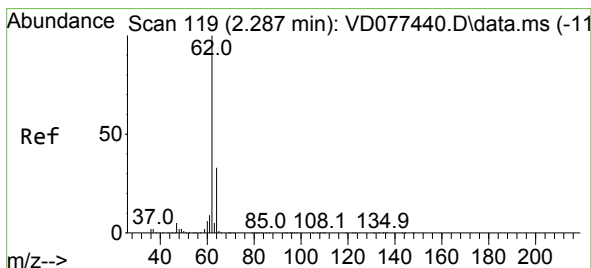
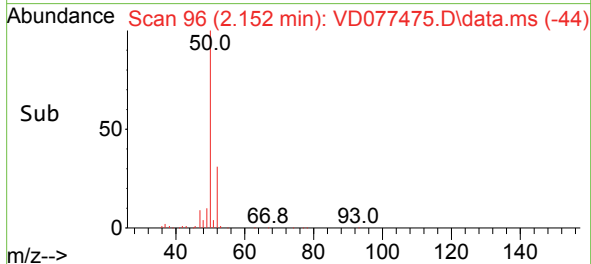
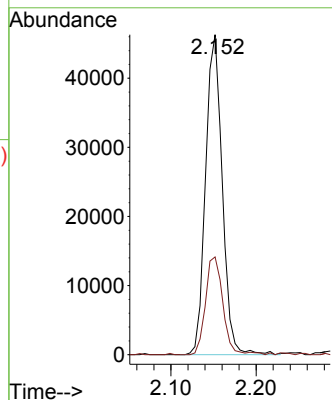
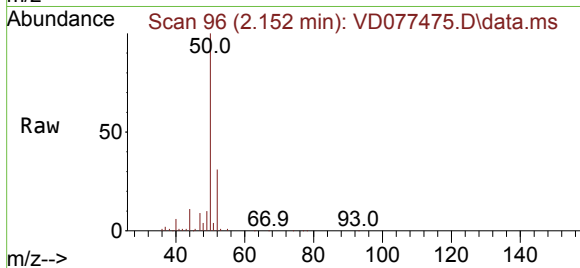




#3  
Chloromethane  
Concen: 19.715 ug/l  
RT: 2.152 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

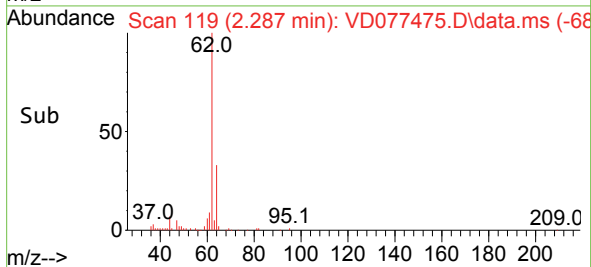
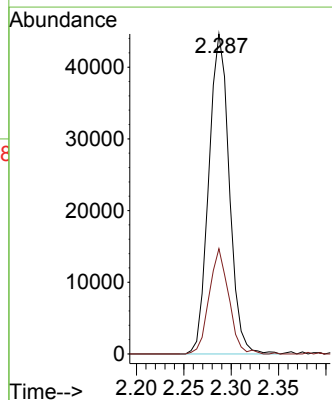
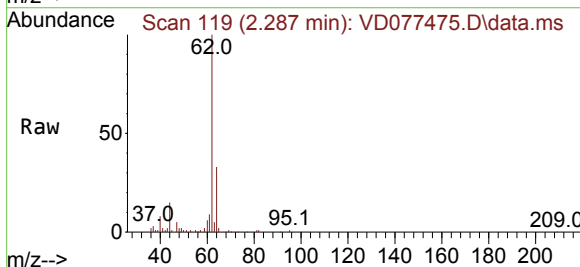
Instrument :  
MSVOA\_D  
ClientSampleId :

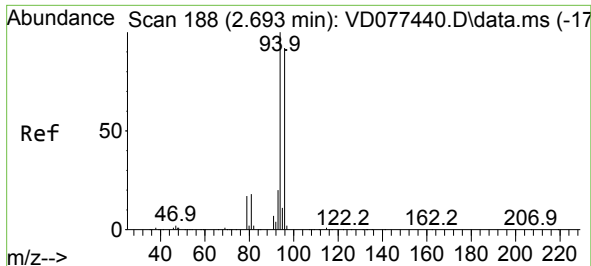
Tgt Ion: 50 Resp: 63047  
Ion Ratio Lower Upper  
50 100  
52 30.6 26.6 40.0



#4  
Vinyl Chloride  
Concen: 21.509 ug/l  
RT: 2.287 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 62 Resp: 67076  
Ion Ratio Lower Upper  
62 100  
64 32.9 26.0 39.0

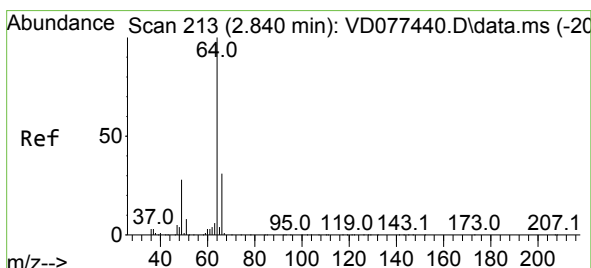
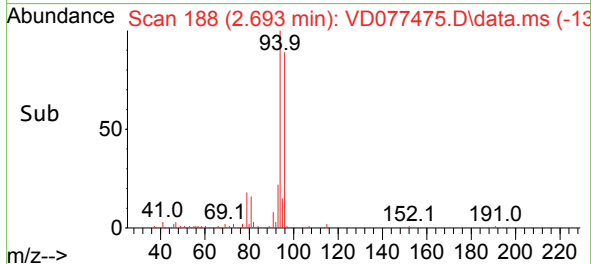
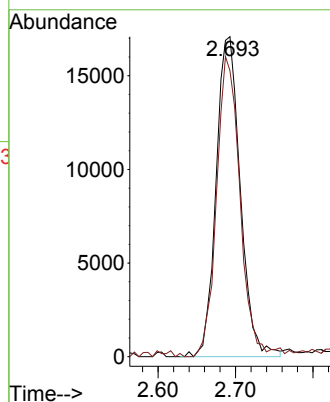
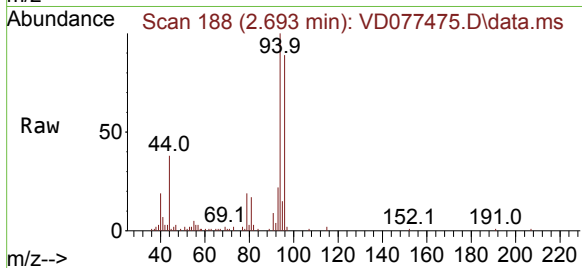




#5  
Bromomethane  
Concen: 22.705 ug/l  
RT: 2.693 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

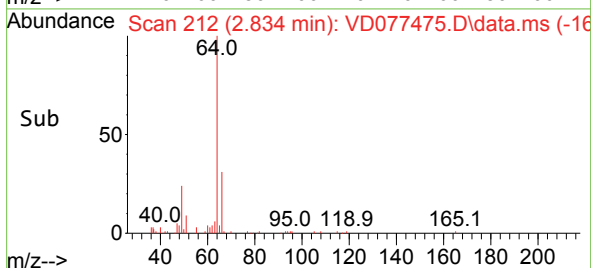
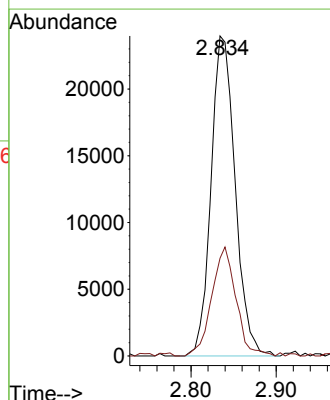
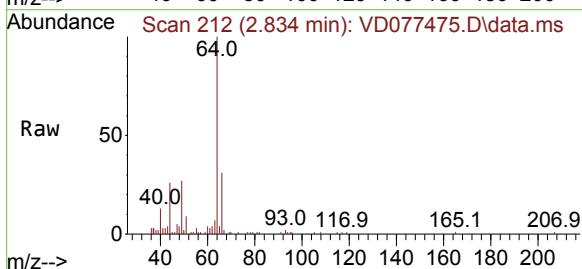
Instrument :  
MSVOA\_D  
ClientSampleId :

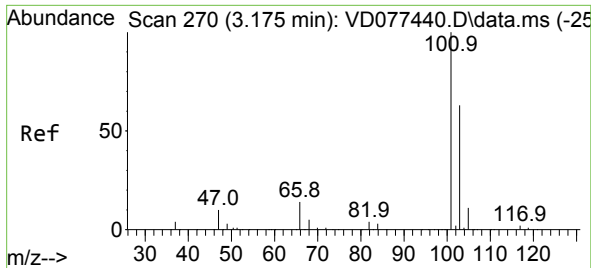
Tgt Ion: 94 Resp: 37103  
Ion Ratio Lower Upper  
94 100  
96 90.7 75.8 113.8



#6  
Chloroethane  
Concen: 22.493 ug/l  
RT: 2.834 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 64 Resp: 47226  
Ion Ratio Lower Upper  
64 100  
66 30.6 25.5 38.3

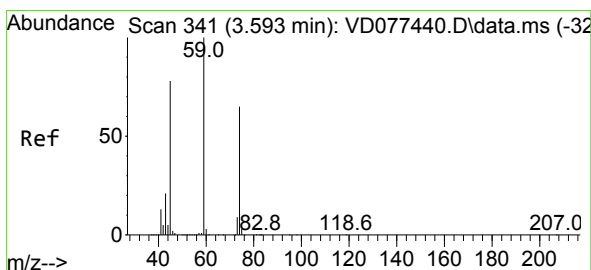
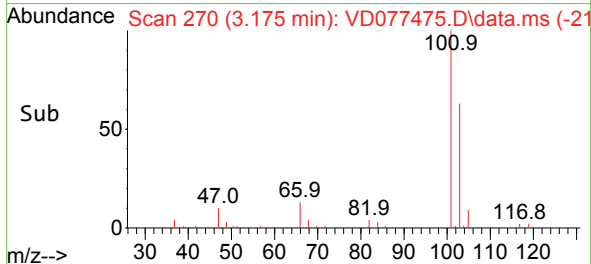
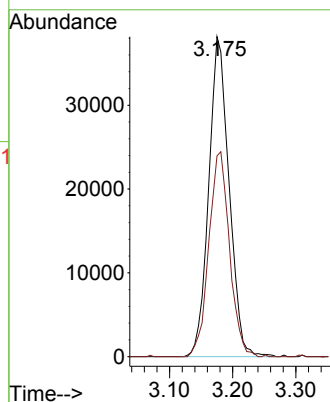
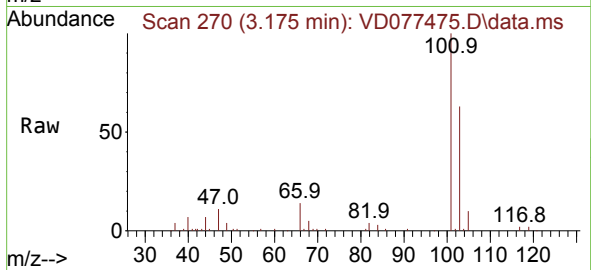




#7  
Trichlorofluoromethane  
Concen: 19.537 ug/l  
RT: 3.175 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

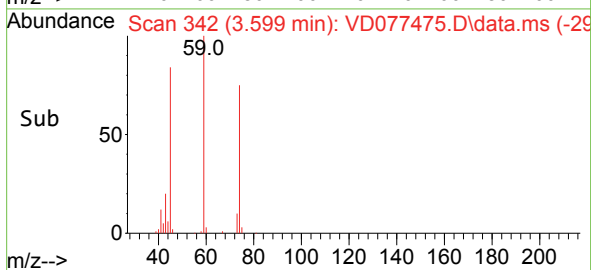
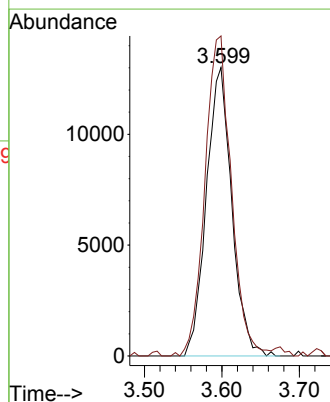
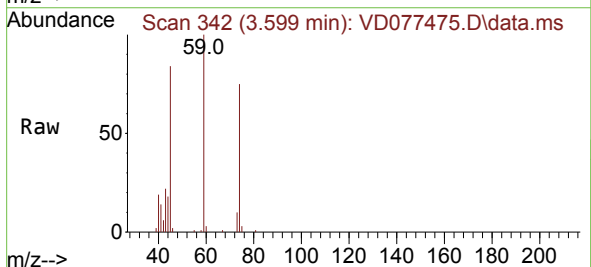
Instrument :  
MSVOA\_D  
ClientSampleId :

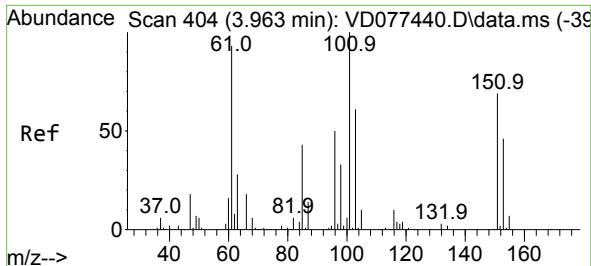
Tgt Ion:101 Resp: 85322  
Ion Ratio Lower Upper  
101 100  
103 62.7 52.3 78.5



#8  
Diethyl Ether  
Concen: 18.892 ug/l  
RT: 3.599 min Scan# 342  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 74 Resp: 29658  
Ion Ratio Lower Upper  
74 100  
45 115.3 37.5 112.7#

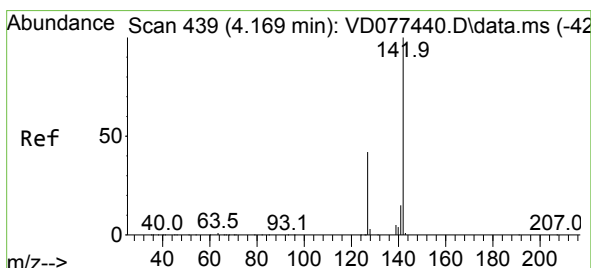
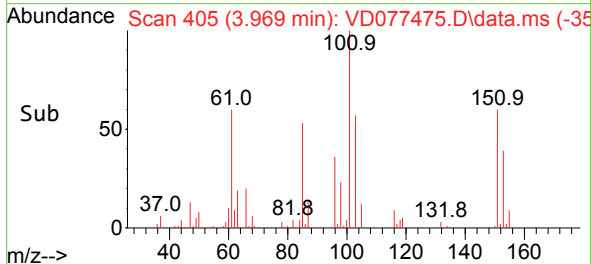
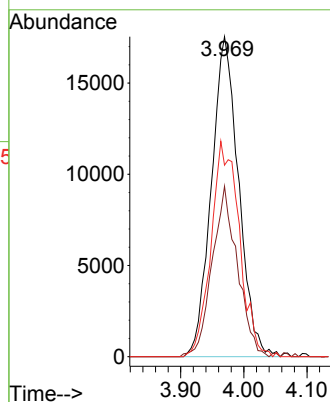
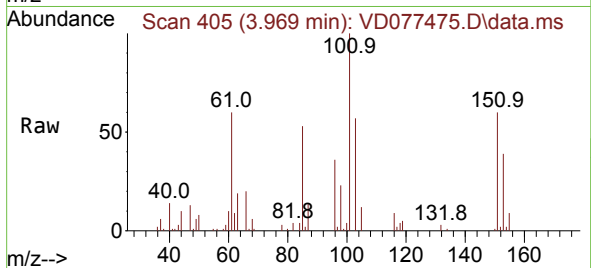




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.920 ug/l  
RT: 3.969 min Scan# 405  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

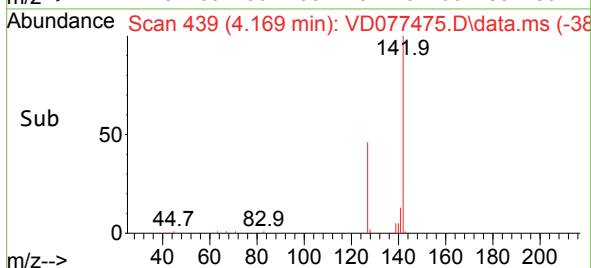
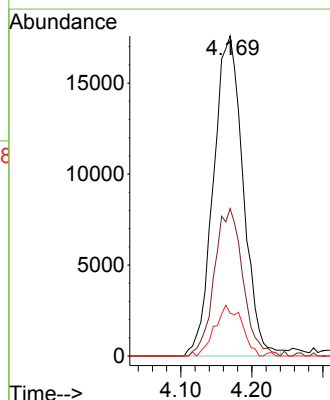
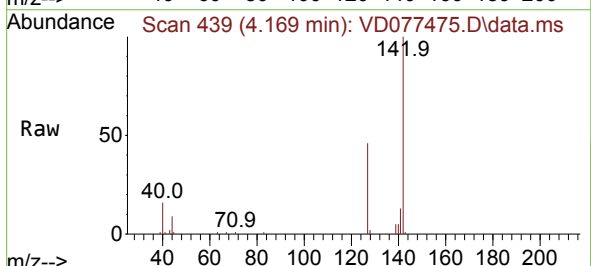
Instrument :  
MSVOA\_D  
ClientSampleId :

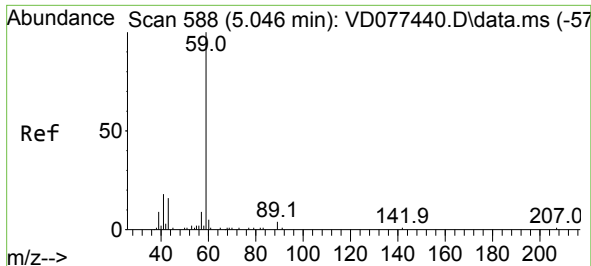
Tgt Ion:101 Resp: 52519  
Ion Ratio Lower Upper  
101 100  
85 49.5 33.8 50.6  
151 69.8 59.8 89.6



#10  
Methyl Iodide  
Concen: 17.501 ug/l  
RT: 4.169 min Scan# 439  
Delta R.T. 0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion:142 Resp: 50999  
Ion Ratio Lower Upper  
142 100  
127 44.2 29.4 44.0#  
141 14.4 11.1 16.7

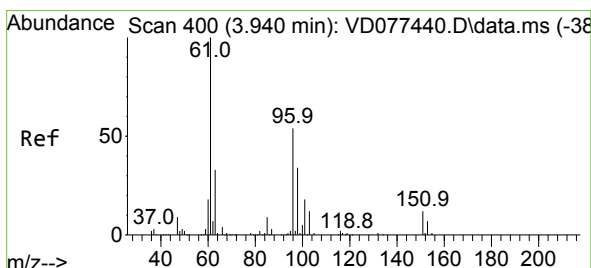
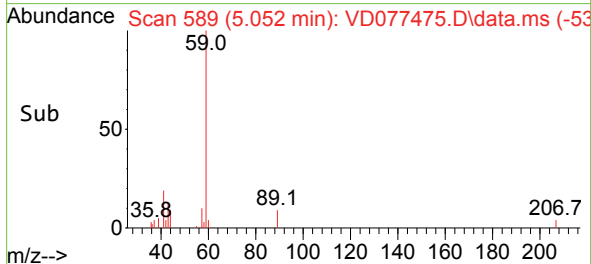
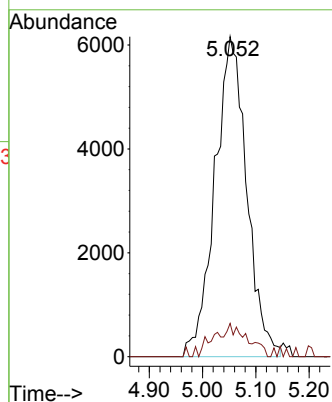
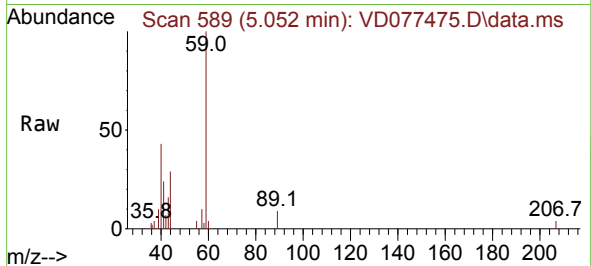




#11  
Tert butyl alcohol  
Concen: 91.398 ug/l  
RT: 5.052 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

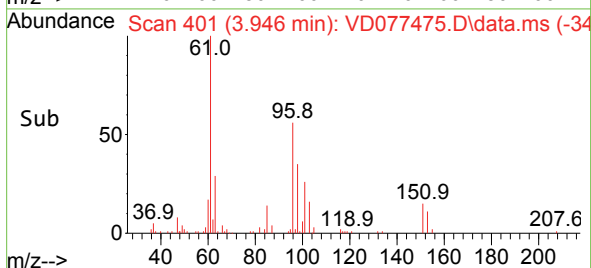
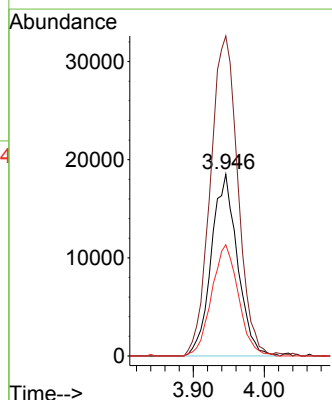
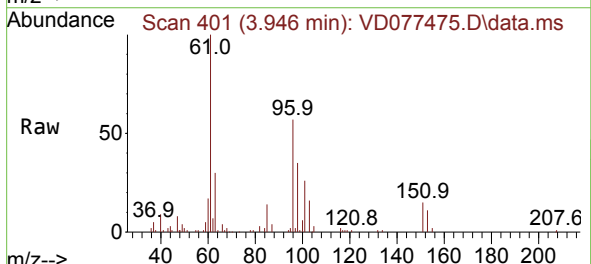
Instrument :  
MSVOA\_D  
ClientSampleId :

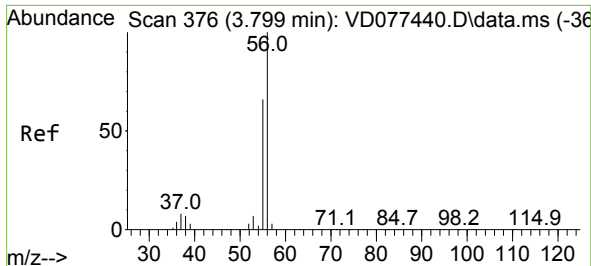
Tgt Ion: 59 Resp: 25575  
Ion Ratio Lower Upper  
59 100  
57 3.4 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 18.915 ug/l  
RT: 3.946 min Scan# 401  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 96 Resp: 47211  
Ion Ratio Lower Upper  
96 100  
61 176.1 100.6 150.8#  
98 61.2 50.2 75.2

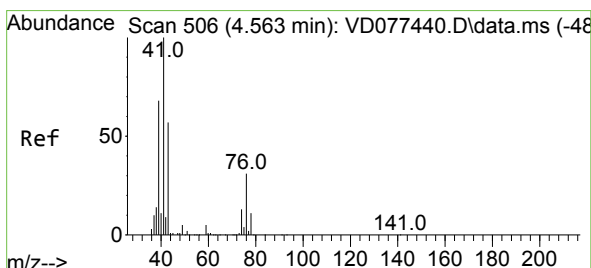
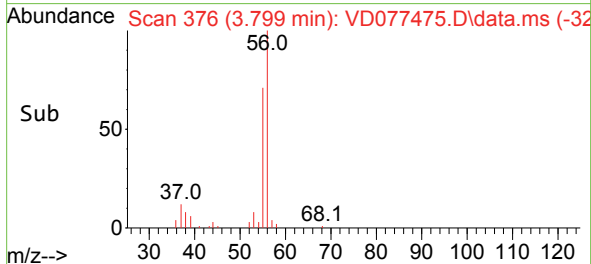
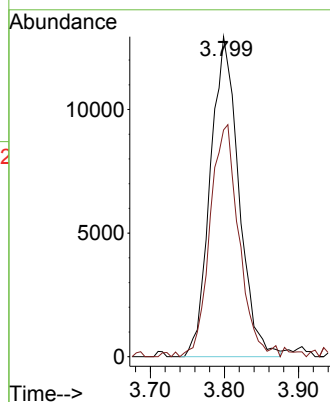
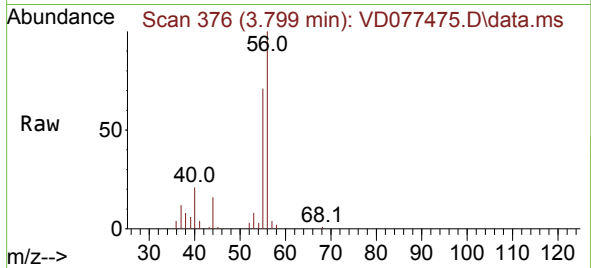




#13  
Acrolein  
Concen: 93.735 ug/l  
RT: 3.799 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

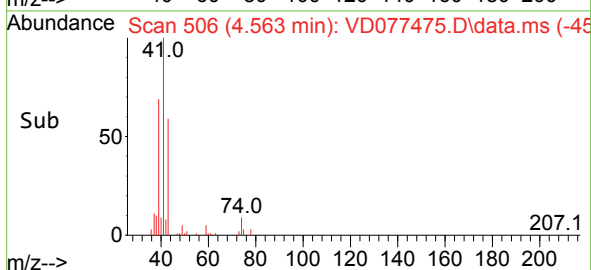
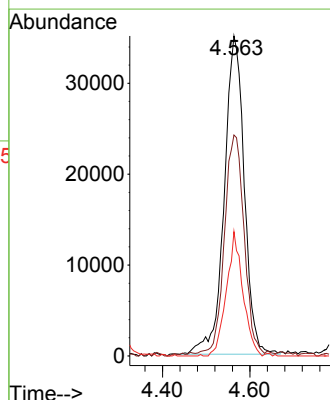
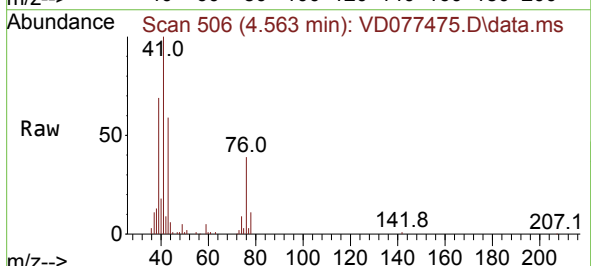
Instrument :  
MSVOA\_D  
ClientSampleId :

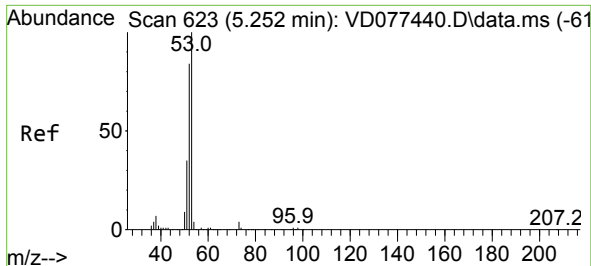
Tgt Ion: 56 Resp: 34588  
Ion Ratio Lower Upper  
56 100  
55 73.7 55.1 82.7



#14  
Allyl chloride  
Concen: 18.546 ug/l  
RT: 4.563 min Scan# 506  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

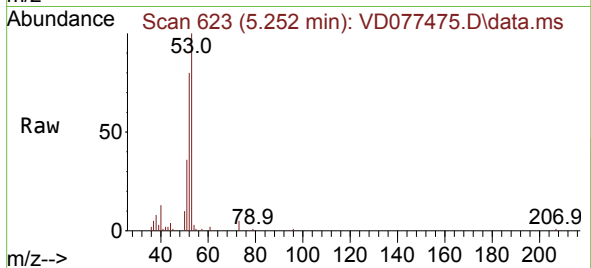
Tgt Ion: 41 Resp: 111668  
Ion Ratio Lower Upper  
41 100  
39 67.1 53.8 80.6  
76 32.1 45.8 68.8#



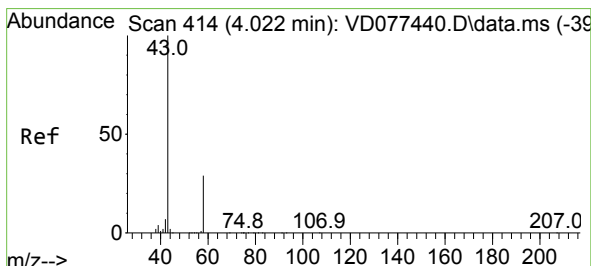
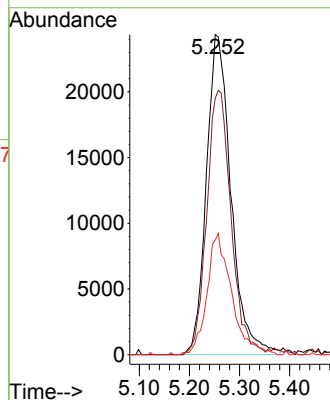
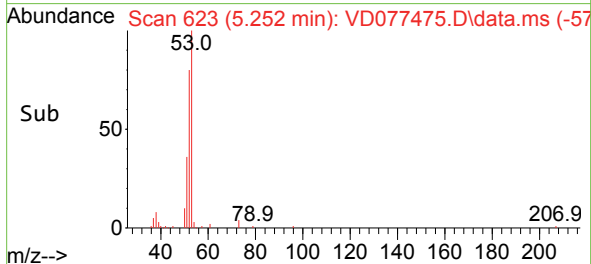


#15  
Acrylonitrile  
Concen: 97.828 ug/l  
RT: 5.252 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Instrument :  
MSVOA\_D  
ClientSampleId :

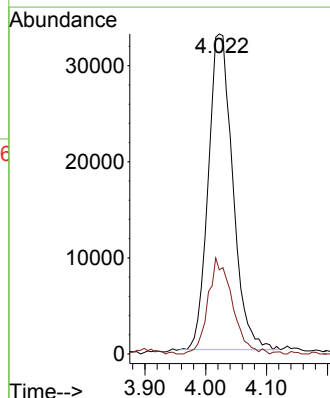
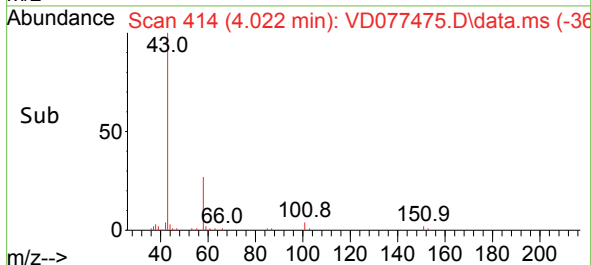
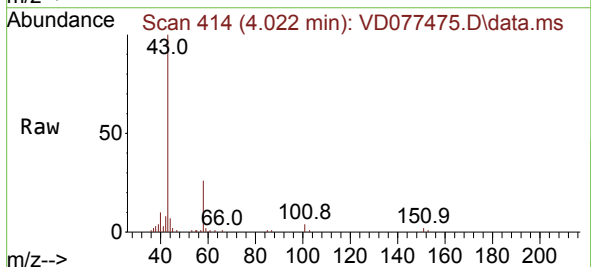


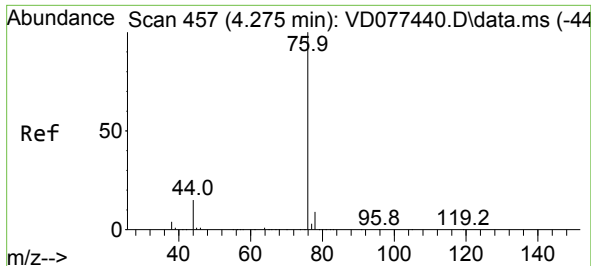
Tgt Ion: 53 Resp: 83018  
Ion Ratio Lower Upper  
53 100  
52 81.4 65.0 97.4  
51 38.0 28.3 42.5



#16  
Acetone  
Concen: 98.236 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 43 Resp: 91825  
Ion Ratio Lower Upper  
43 100  
58 26.7 34.7 52.1#

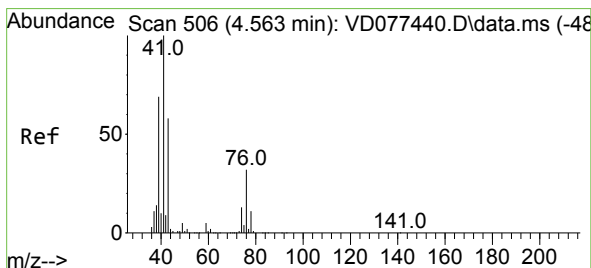
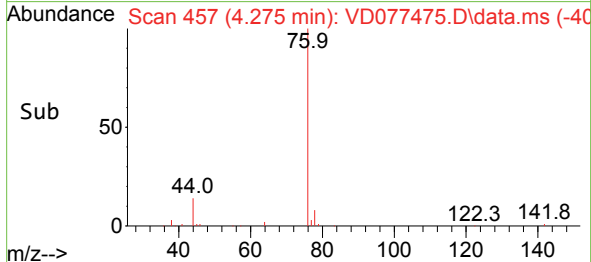
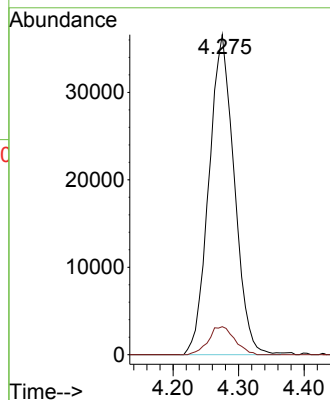
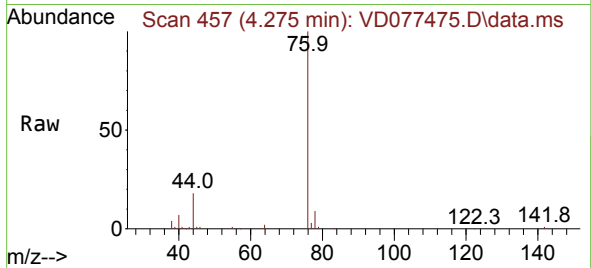




#17  
Carbon Disulfide  
Concen: 15.544 ug/l  
RT: 4.275 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

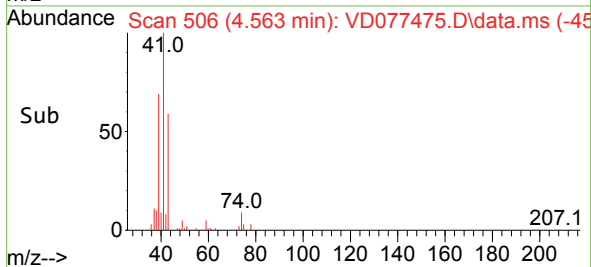
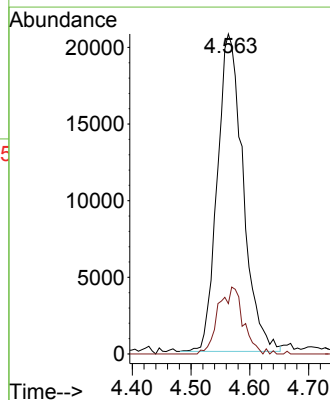
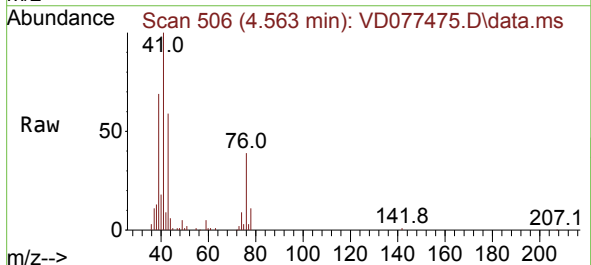
Instrument :  
MSVOA\_D  
ClientSampleId :

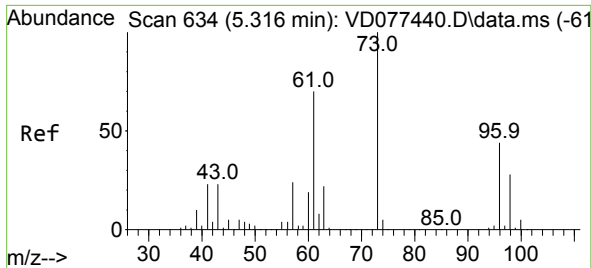
Tgt Ion: 76 Resp: 98123  
Ion Ratio Lower Upper  
76 100  
78 8.7 6.8 10.2



#18  
Methyl Acetate  
Concen: 18.461 ug/l  
RT: 4.563 min Scan# 506  
Delta R.T. 0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 43 Resp: 62945  
Ion Ratio Lower Upper  
43 100  
74 20.2 26.4 39.6#

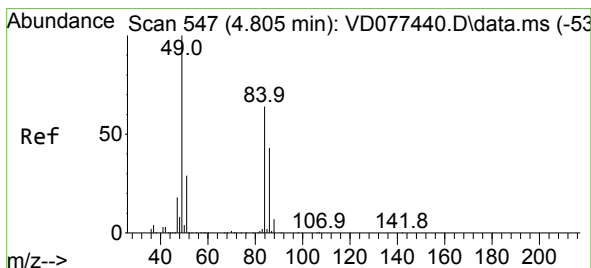
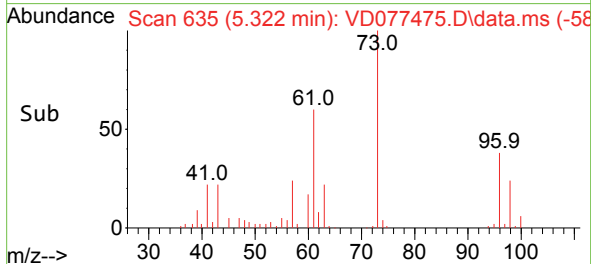
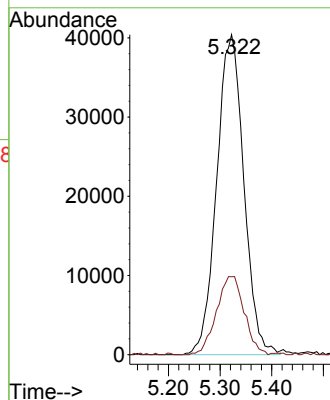
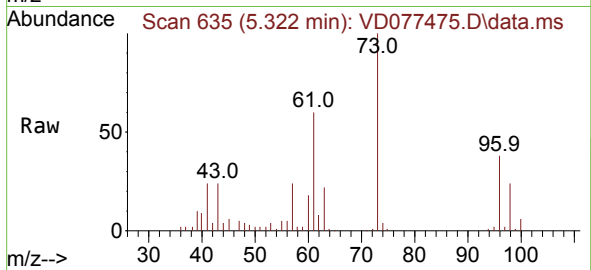




#19  
Methyl tert-butyl Ether  
Concen: 18.797 ug/l  
RT: 5.322 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

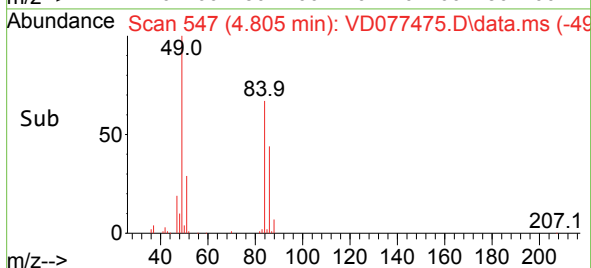
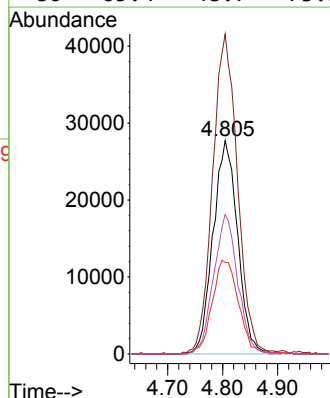
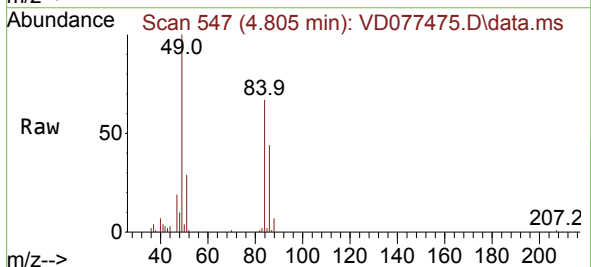
Instrument :  
MSVOA\_D  
ClientSampleId :

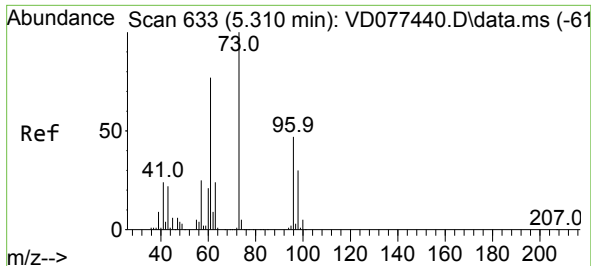
Tgt Ion: 73 Resp: 147264  
Ion Ratio Lower Upper  
73 100  
57 24.4 16.6 25.0



#20  
Methylene Chloride  
Concen: 23.195 ug/l  
RT: 4.805 min Scan# 547  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

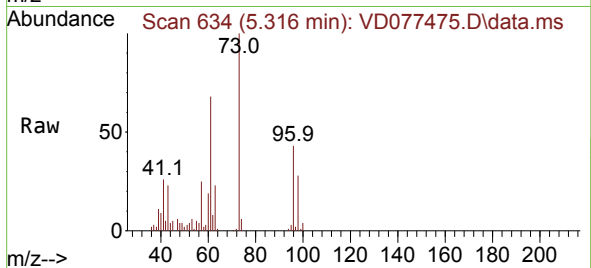
Tgt Ion: 84 Resp: 86063  
Ion Ratio Lower Upper  
84 100  
49 150.0 71.4 107.2#  
51 42.9 24.5 36.7#  
86 65.4 48.7 73.1



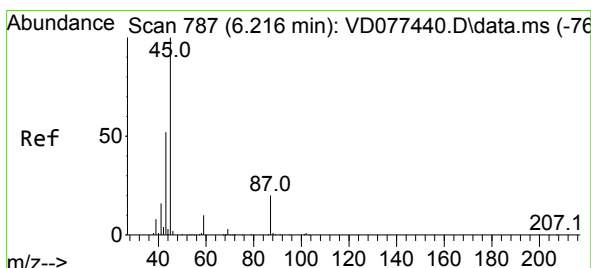
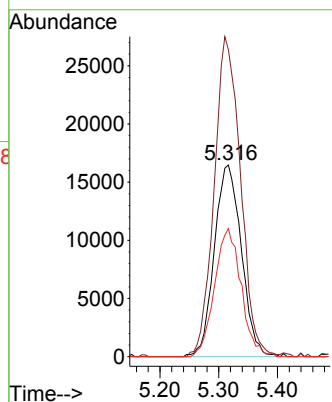
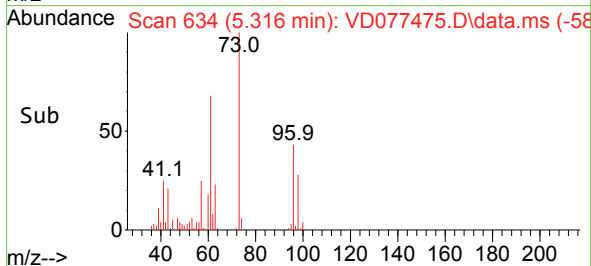


#21  
trans-1,2-Dichloroethene  
Concen: 18.086 ug/l  
RT: 5.316 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

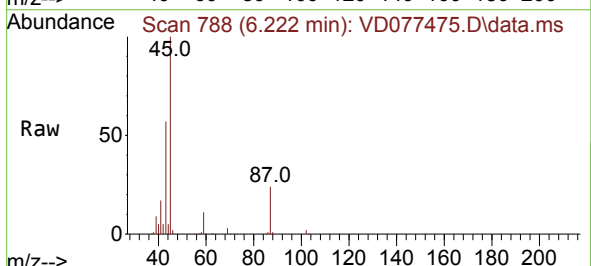
Instrument :  
MSVOA\_D  
ClientSampleId :



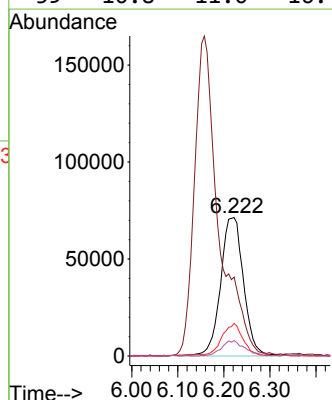
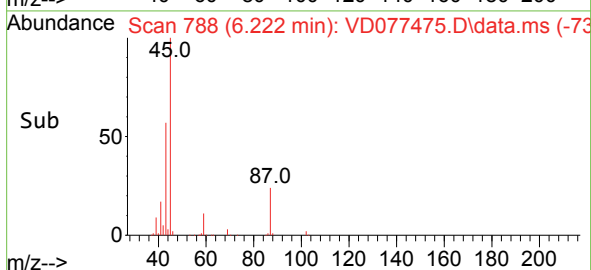
Tgt Ion: 96 Resp: 52574  
Ion Ratio Lower Upper  
96 100  
61 160.3 89.3 133.9#  
98 66.9 48.6 73.0

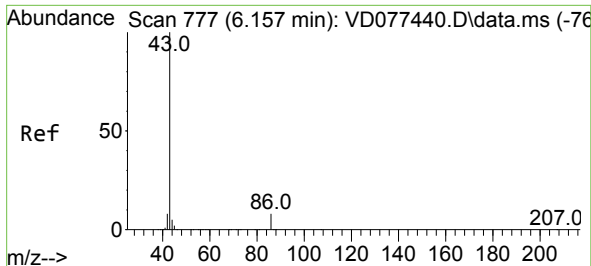


#22  
Diisopropyl ether  
Concen: 19.263 ug/l  
RT: 6.222 min Scan# 788  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29



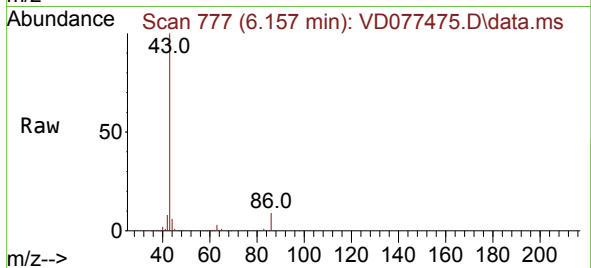
Tgt Ion: 45 Resp: 246514  
Ion Ratio Lower Upper  
45 100  
43 55.5 40.0 60.0  
87 23.5 28.2 42.4#  
59 10.8 11.0 16.4#



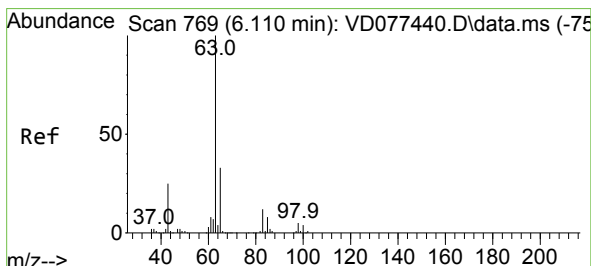
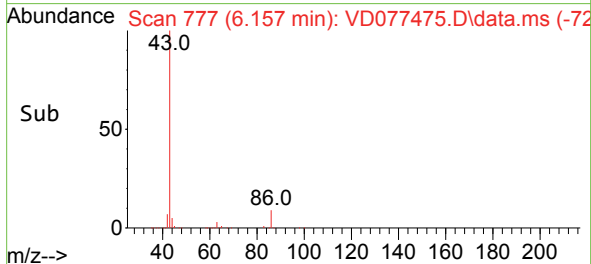
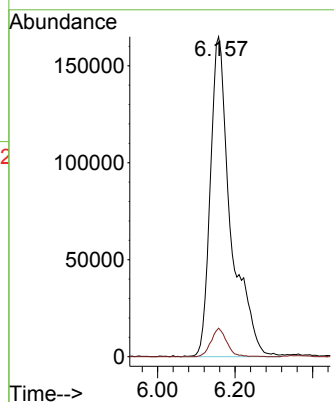


#23  
 Vinyl Acetate  
 Concen: 109.812 ug/l  
 RT: 6.157 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VD077475.D  
 Acq: 01 Nov 2023 12:29

Instrument :  
 MSVOA\_D  
 ClientSampleId :

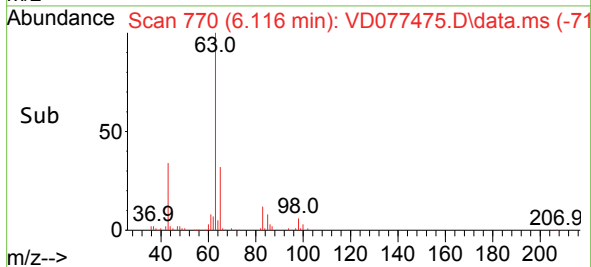
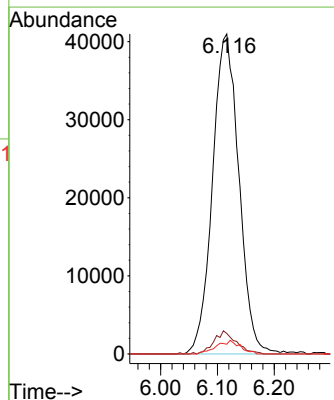
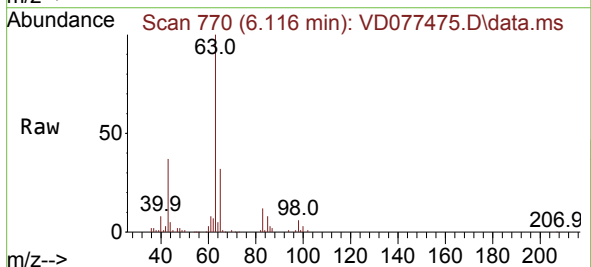


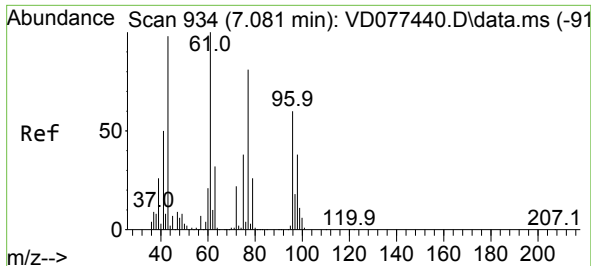
Tgt Ion: 43 Resp: 606269  
 Ion Ratio Lower Upper  
 43 100  
 86 8.9 12.5 18.7#



#24  
 1,1-Dichloroethane  
 Concen: 19.901 ug/l  
 RT: 6.116 min Scan# 770  
 Delta R.T. 0.006 min  
 Lab File: VD077475.D  
 Acq: 01 Nov 2023 12:29

Tgt Ion: 63 Resp: 132145  
 Ion Ratio Lower Upper  
 63 100  
 98 6.4 4.5 13.7  
 100 3.0 2.5 7.5

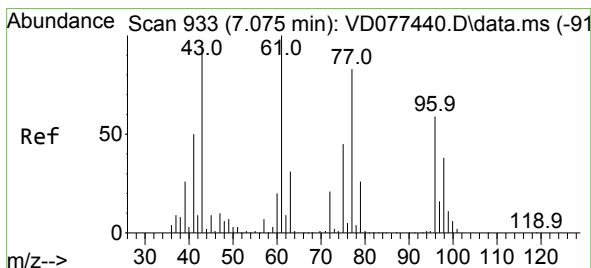
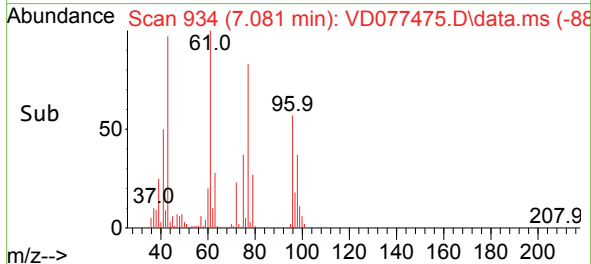
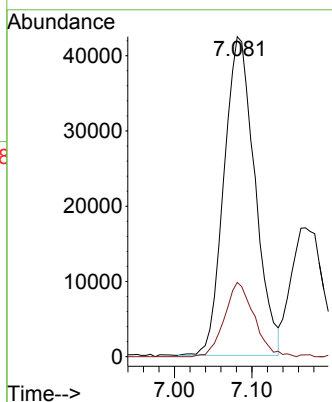
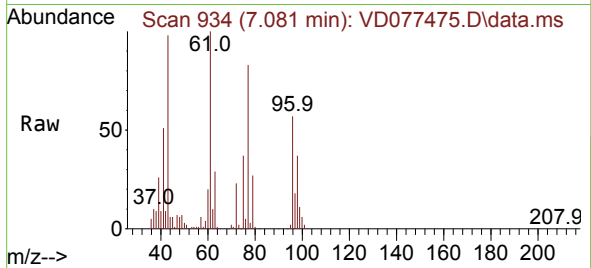




#25  
2-Butanone  
Concen: 94.294 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

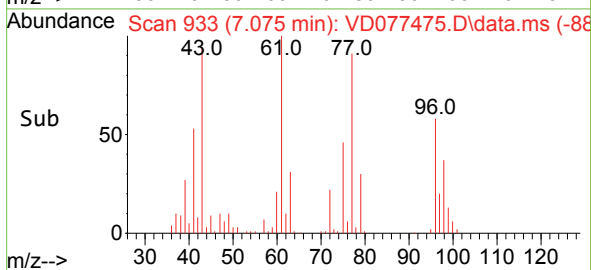
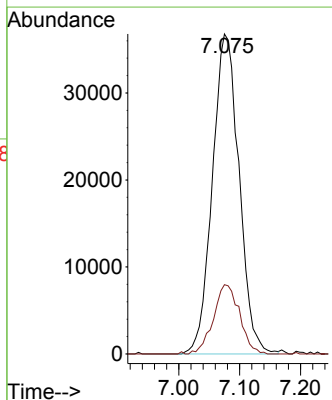
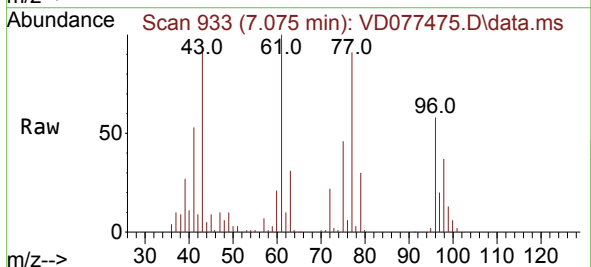
Instrument :  
MSVOA\_D  
ClientSampleId :

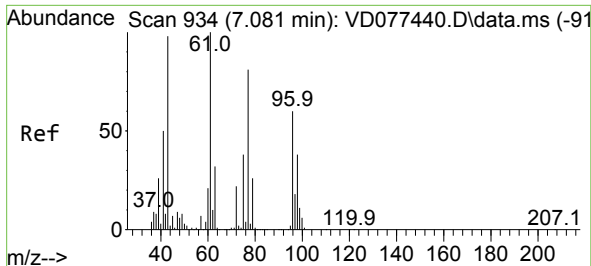
Tgt Ion: 43 Resp: 117565  
Ion Ratio Lower Upper  
43 100  
72 23.3 30.7 46.1#



#26  
2,2-Dichloropropane  
Concen: 19.031 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

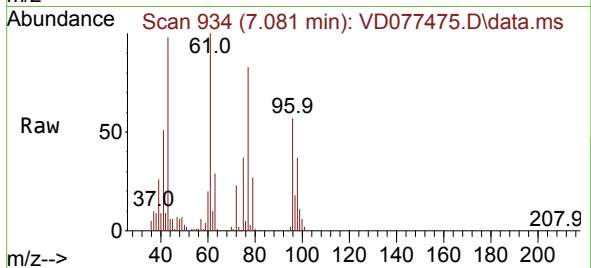
Tgt Ion: 77 Resp: 111991  
Ion Ratio Lower Upper  
77 100  
97 21.2 13.2 39.6





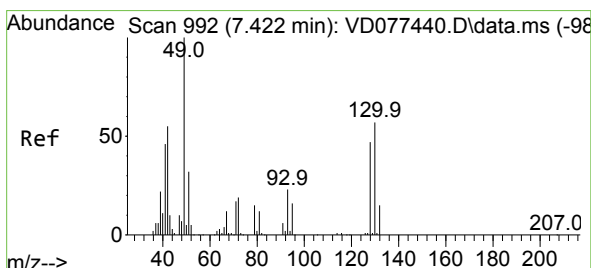
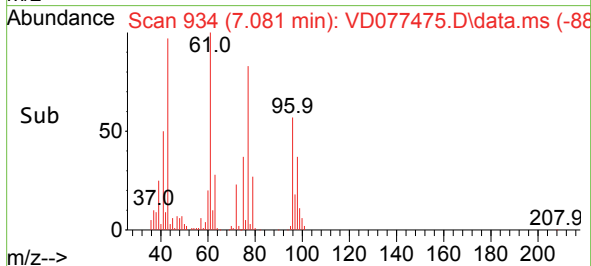
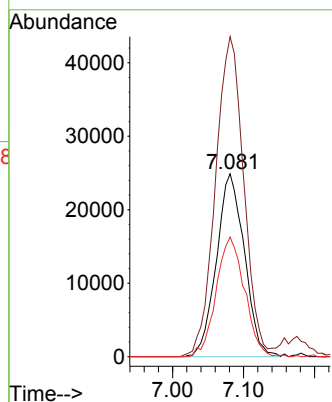
#27  
 cis-1,2-Dichloroethene  
 Concen: 18.850 ug/l  
 RT: 7.081 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VD077475.D  
 Acq: 01 Nov 2023 12:29

Instrument :  
 MSVOA\_D  
 ClientSampleId :



Tgt Ion: 96 Resp: 67885  

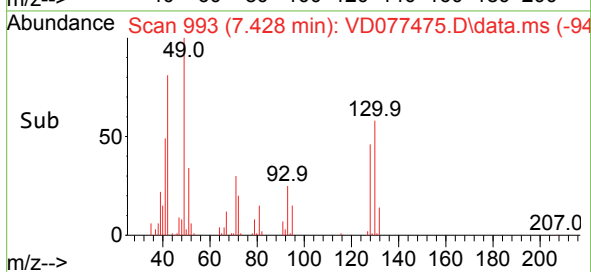
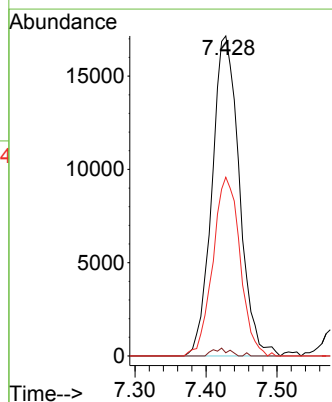
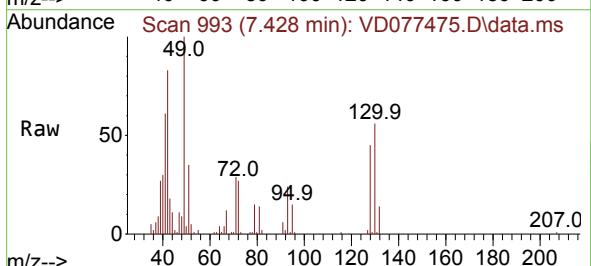
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 177.5 | 0.0   | 239.2 |
| 98  | 66.6  | 0.0   | 128.6 |

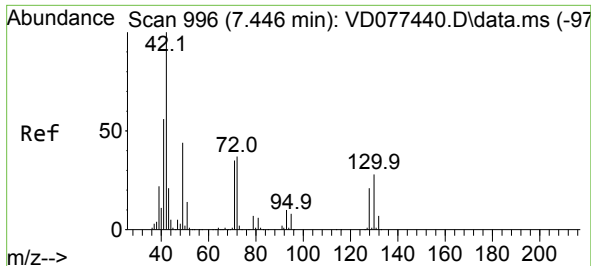


#28  
 Bromochloromethane  
 Concen: 16.661 ug/l  
 RT: 7.428 min Scan# 993  
 Delta R.T. 0.006 min  
 Lab File: VD077475.D  
 Acq: 01 Nov 2023 12:29

Tgt Ion: 49 Resp: 45745  

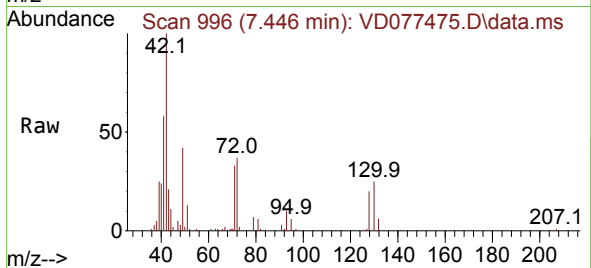
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 1.4   | 0.0   | 6.0   |
| 130 | 55.6  | 83.2  | 124.8 |



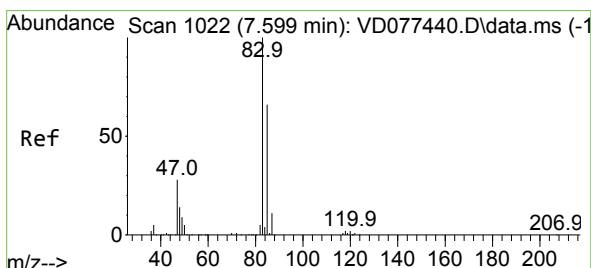
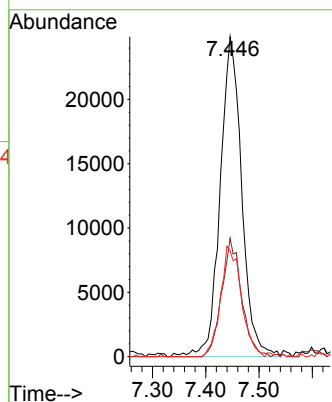
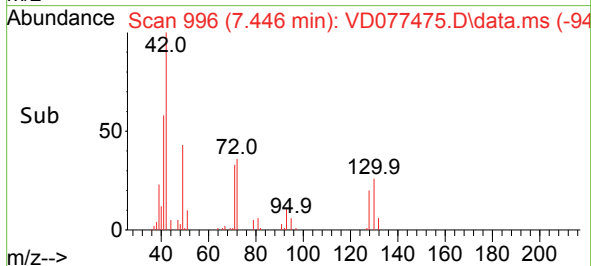


#29  
Tetrahydrofuran  
Concen: 94.124 ug/l  
RT: 7.446 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Instrument :  
MSVOA\_D  
ClientSampleId :

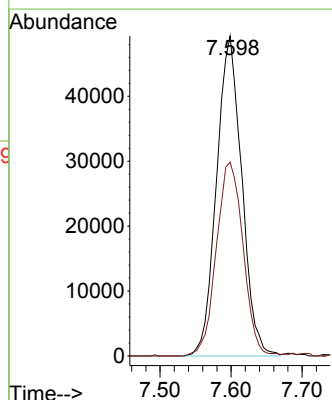
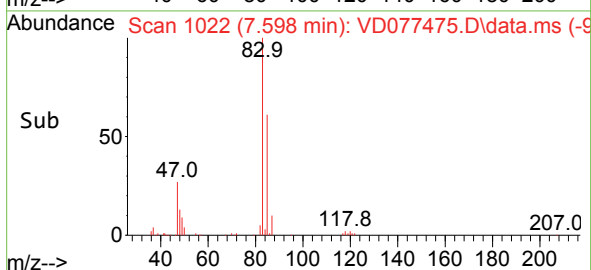
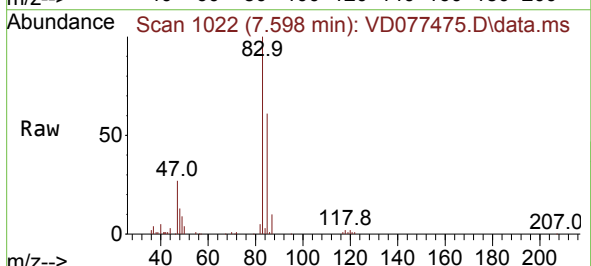


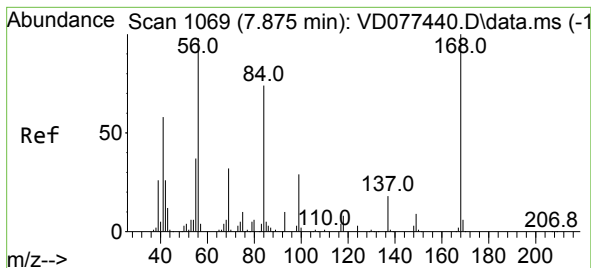
Tgt Ion: 42 Resp: 69601  
Ion Ratio Lower Upper  
42 100  
72 34.2 46.5 69.7#  
71 33.5 44.5 66.7#



#30  
Chloroform  
Concen: 19.585 ug/l  
RT: 7.598 min Scan# 1022  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 83 Resp: 121425  
Ion Ratio Lower Upper  
83 100  
85 60.5 53.4 80.2





#31

Cyclohexane

Concen: 18.565 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

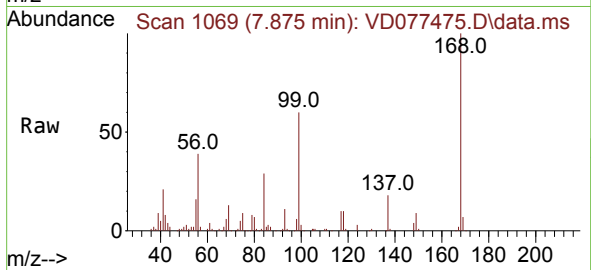
Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

ClientSampleId :



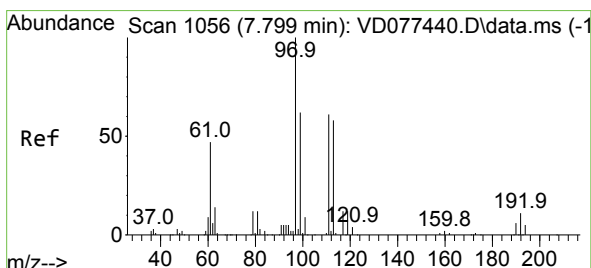
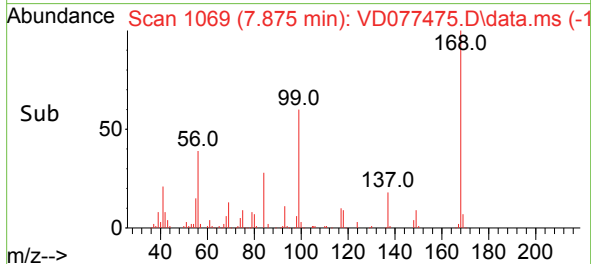
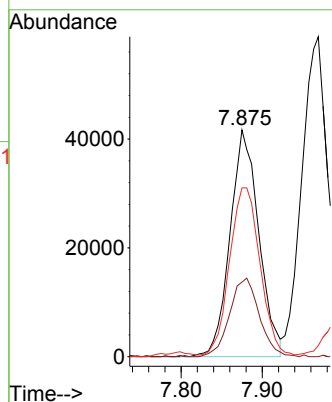
Tgt Ion: 56 Resp: 102519

Ion Ratio Lower Upper

56 100

69 32.3 28.6 43.0

84 72.3 84.8 127.2#



#32

1,1,1-Trichloroethane

Concen: 20.077 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

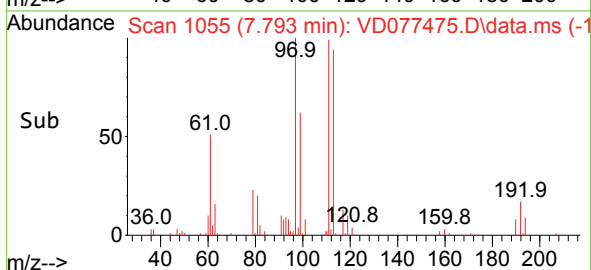
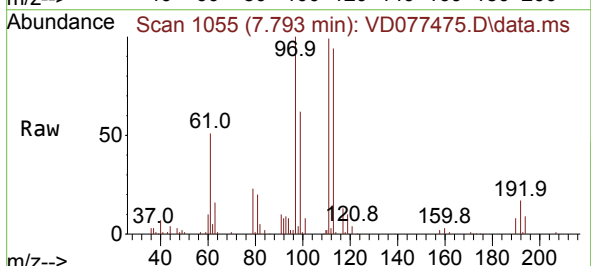
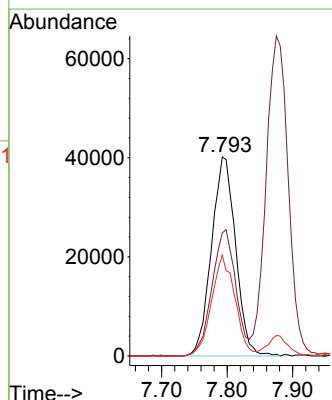
Tgt Ion: 97 Resp: 102560

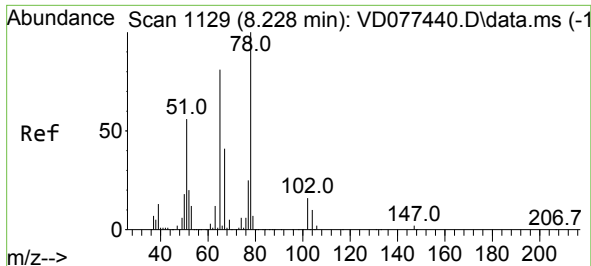
Ion Ratio Lower Upper

97 100

99 62.8 52.0 78.0

61 49.0 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 46.298 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

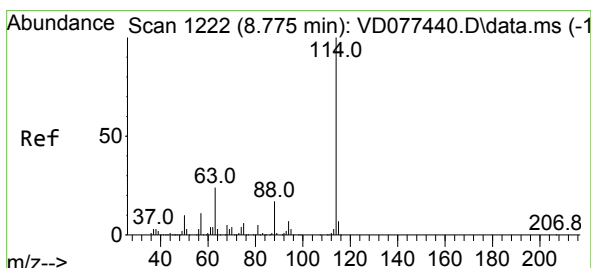
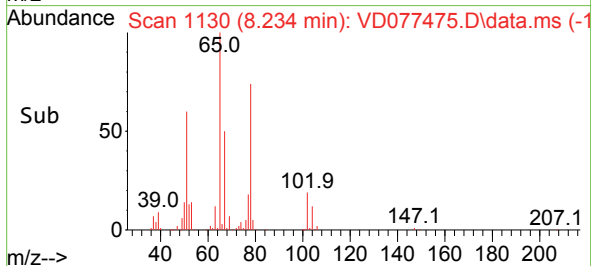
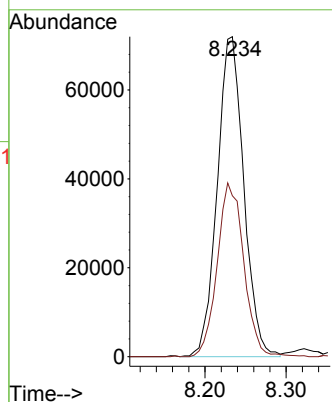
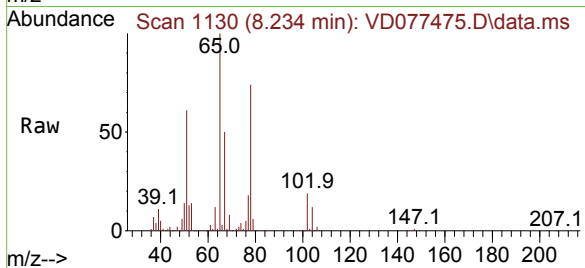
ClientSampleId :

Tgt Ion: 65 Resp: 163546

Ion Ratio Lower Upper

65 100

67 54.4 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: VD077475.D

Acq: 01 Nov 2023 12:29

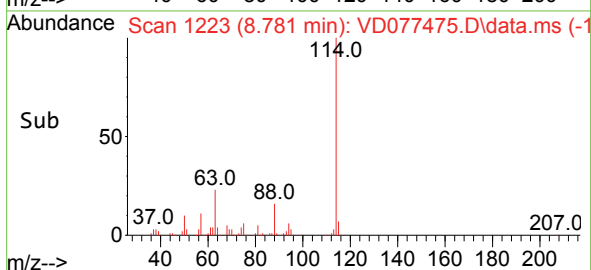
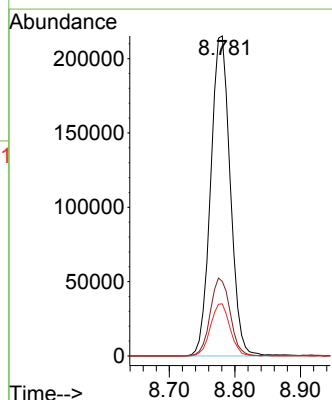
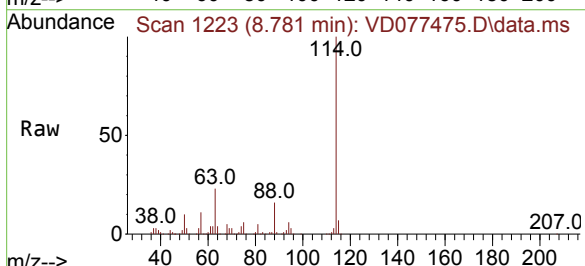
Tgt Ion: 114 Resp: 445326

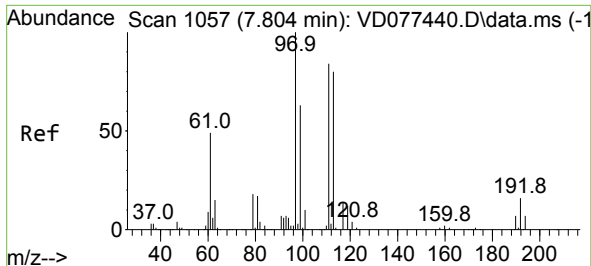
Ion Ratio Lower Upper

114 100

63 23.3 0.0 33.4

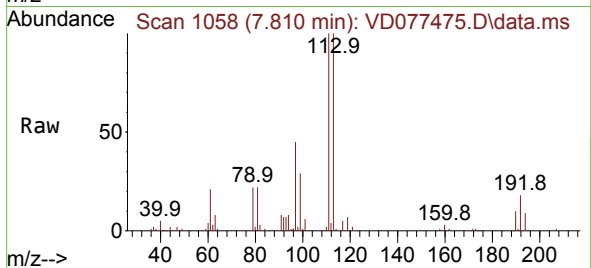
88 16.3 0.0 26.2



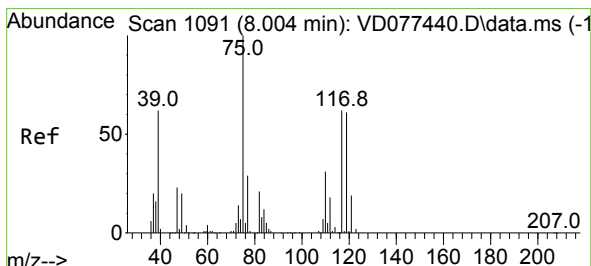
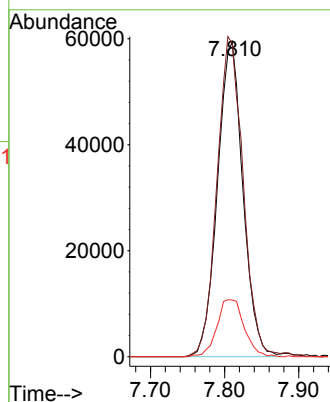
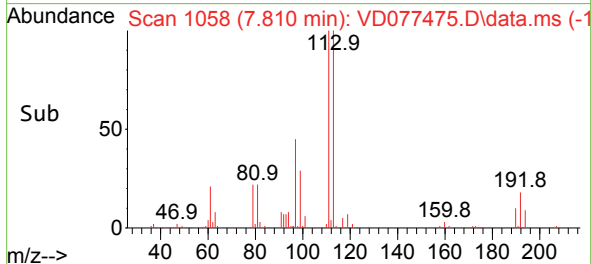


#35  
Dibromofluoromethane  
Concen: 45.960 ug/l  
RT: 7.810 min Scan# 1058  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Instrument :  
MSVOA\_D  
ClientSampleId :

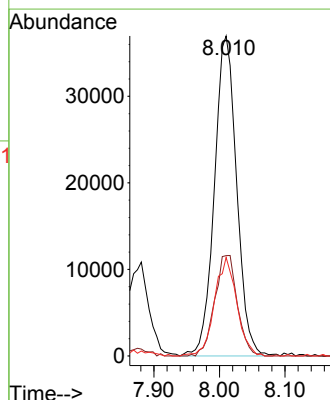
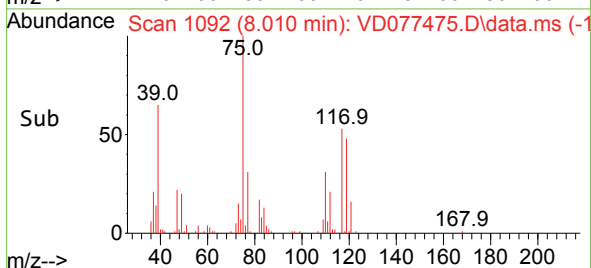
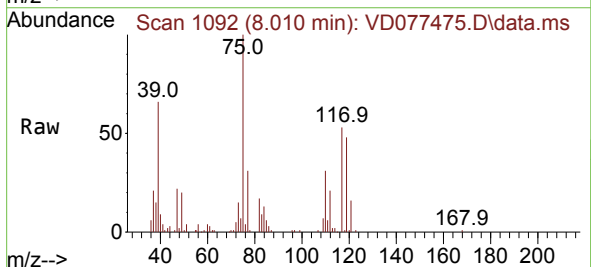


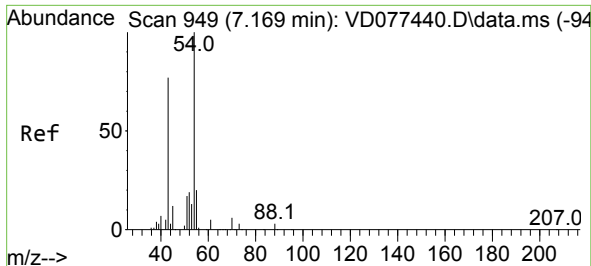
Tgt Ion:113 Resp: 141462  
Ion Ratio Lower Upper  
113 100  
111 104.7 84.7 127.1  
192 19.4 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 19.070 ug/l  
RT: 8.010 min Scan# 1092  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 75 Resp: 87026  
Ion Ratio Lower Upper  
75 100  
110 32.1 19.9 59.6  
77 30.7 24.7 37.1





#37

Ethyl Acetate

Concen: 19.096 ug/l

RT: 7.169 min Scan# 949

Delta R.T. -0.000 min

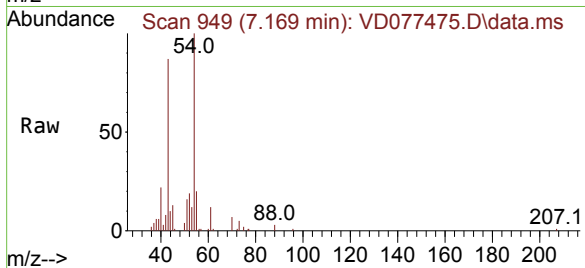
Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

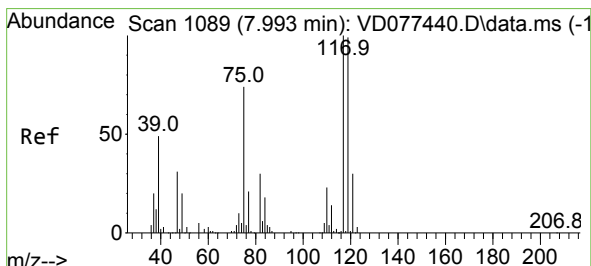
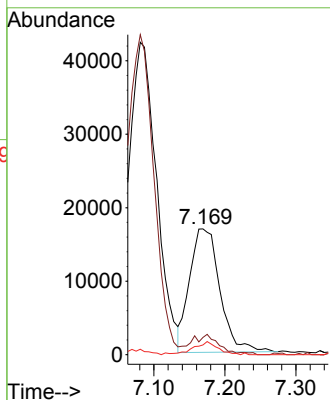
Instrument :

MSVOA\_D

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 50011 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 11.7  | 14.9  | 22.3# |
| 70        | 8.5   | 10.0  | 15.0# |



#38

Carbon Tetrachloride

Concen: 19.436 ug/l

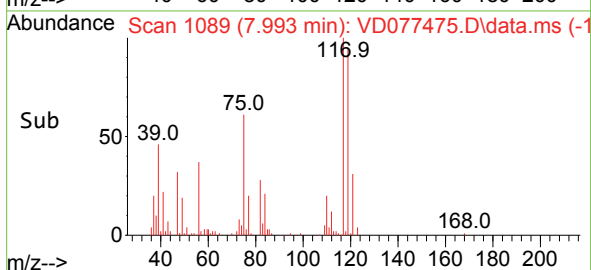
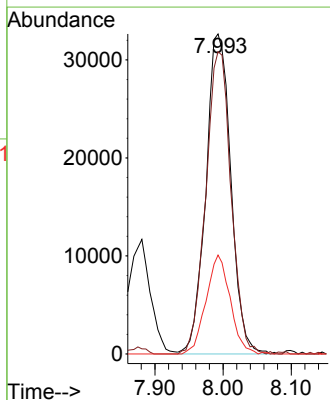
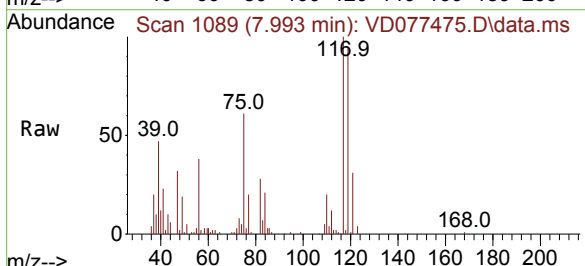
RT: 7.993 min Scan# 1089

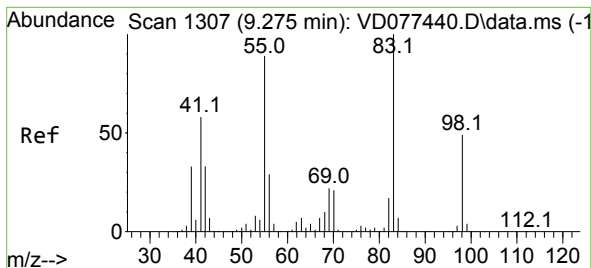
Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 83579 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 94.5  | 78.0  | 117.0 |
| 121       | 30.9  | 24.2  | 36.2  |





#39

Methylcyclohexane

Concen: 18.245 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

ClientSampleId :

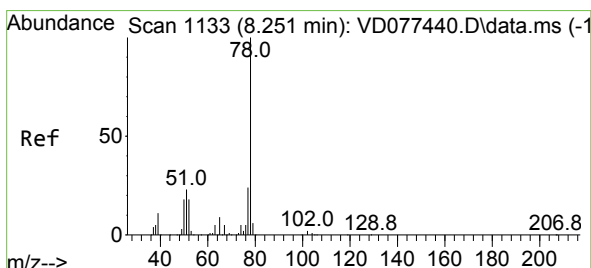
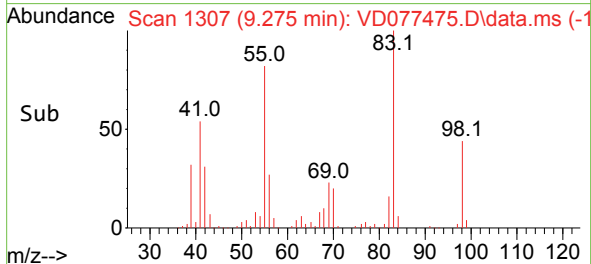
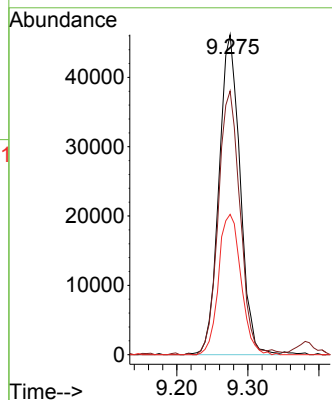
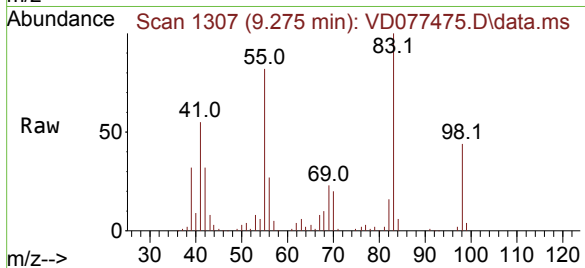
Tgt Ion: 83 Resp: 95002

Ion Ratio Lower Upper

83 100

55 82.4 49.4 74.0#

98 43.9 38.4 57.6



#40

Benzene

Concen: 19.354 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD077475.D

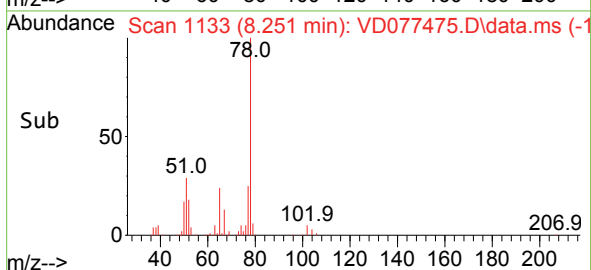
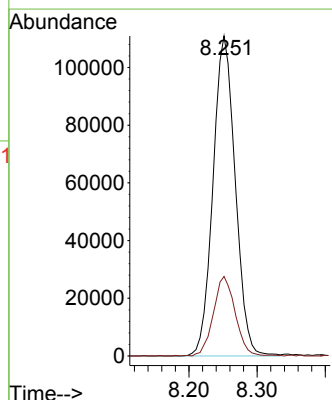
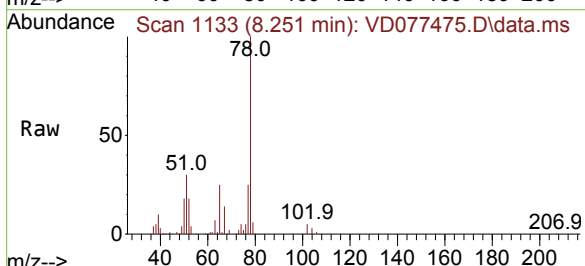
Acq: 01 Nov 2023 12:29

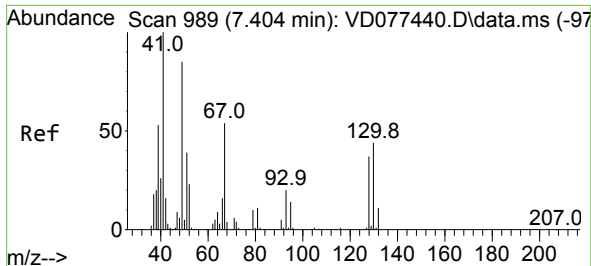
Tgt Ion: 78 Resp: 251858

Ion Ratio Lower Upper

78 100

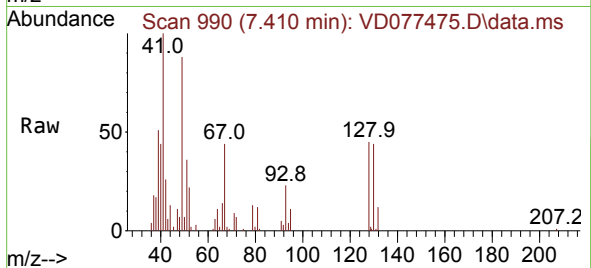
77 24.8 19.4 29.0



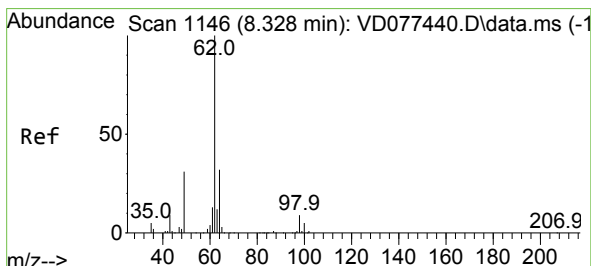
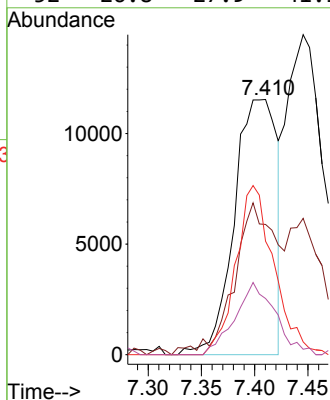
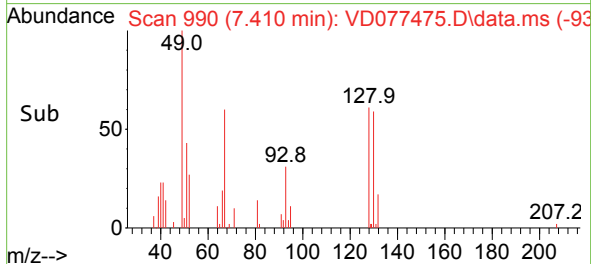


#41  
Methacrylonitrile  
Concen: 19.099 ug/l  
RT: 7.410 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Instrument :  
MSVOA\_D  
ClientSampleId :

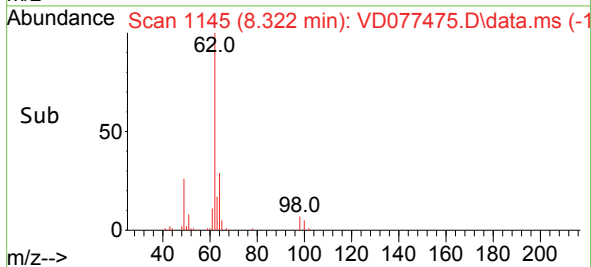
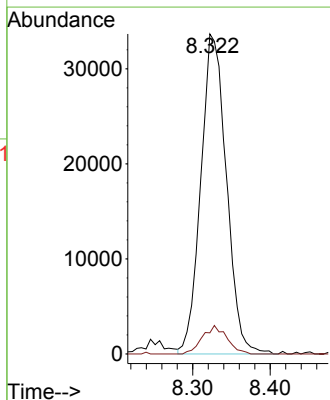
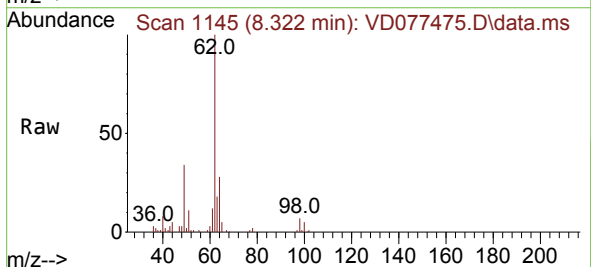


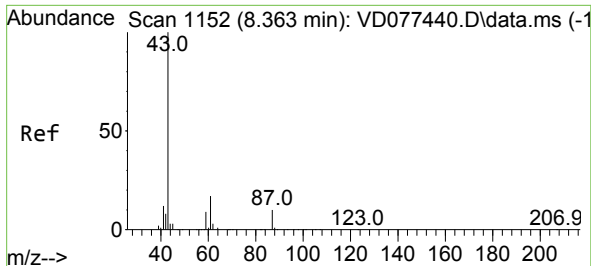
Tgt Ion: 41 Resp: 32006  
Ion Ratio Lower Upper  
41 100  
39 60.9 34.0 51.0#  
67 59.4 77.0 115.4#  
52 26.8 27.9 41.9#



#42  
1,2-Dichloroethane  
Concen: 18.728 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 62 Resp: 77189  
Ion Ratio Lower Upper  
62 100  
98 8.5 0.0 25.4

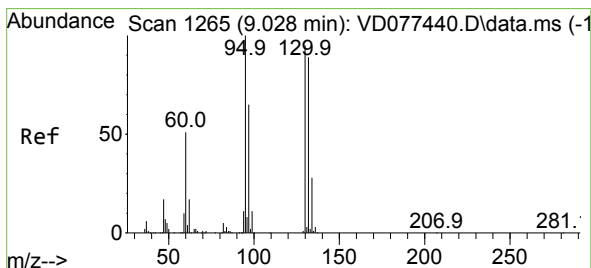
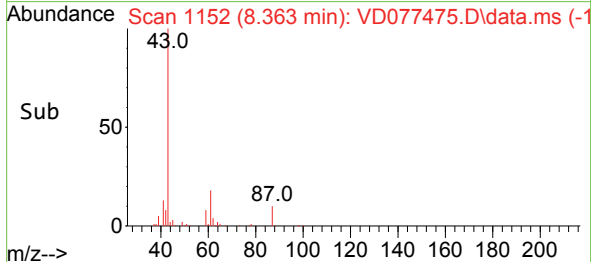
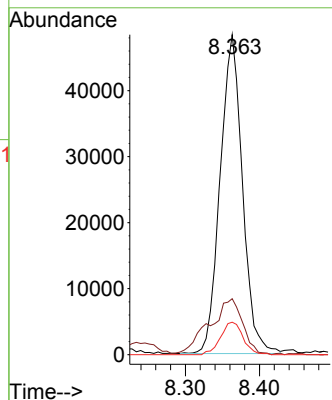
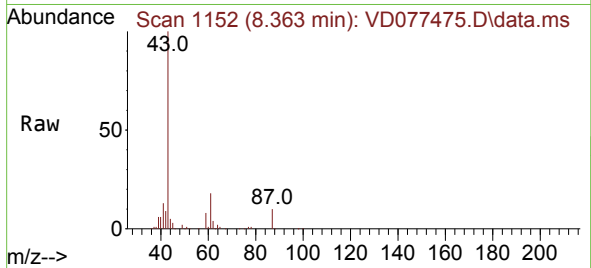




#43  
Isopropyl Acetate  
Concen: 18.662 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

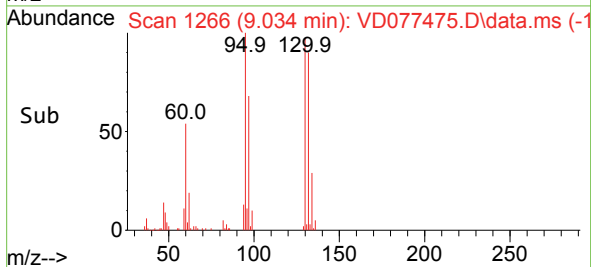
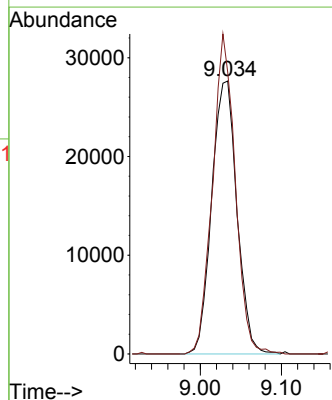
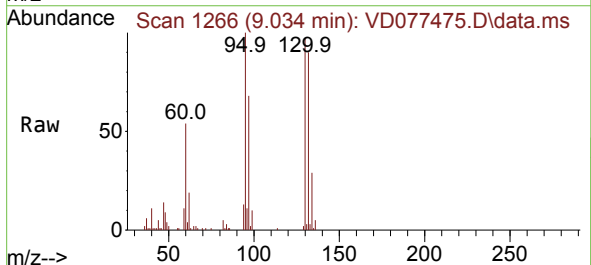
Instrument :  
MSVOA\_D  
ClientSampleId :

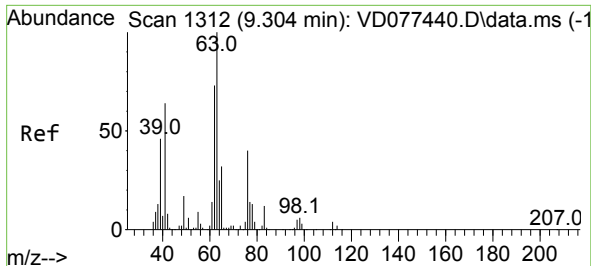
Tgt Ion: 43 Resp: 100860  
Ion Ratio Lower Upper  
43 100  
61 26.4 31.4 47.0#  
87 10.3 14.9 22.3#



#44  
Trichloroethene  
Concen: 18.733 ug/l  
RT: 9.034 min Scan# 1266  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion:130 Resp: 59714  
Ion Ratio Lower Upper  
130 100  
95 103.2 0.0 179.2





#45

1,2-Dichloropropane

Concen: 19.613 ug/l

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

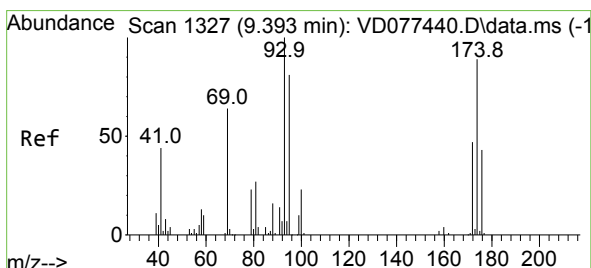
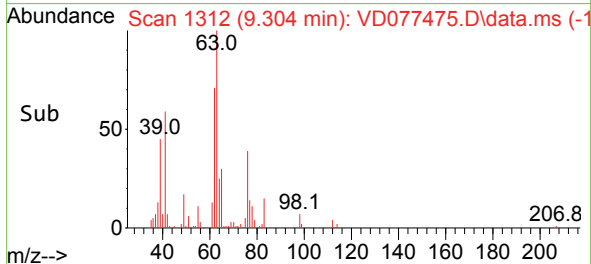
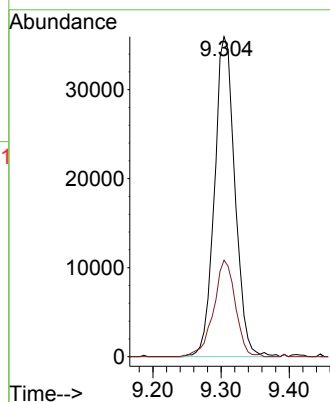
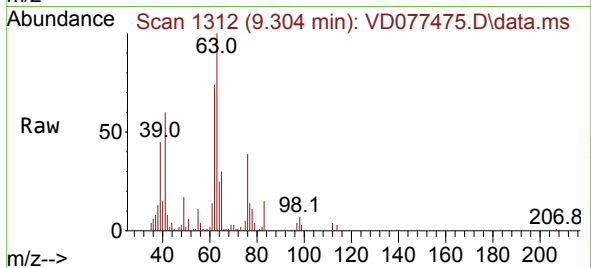
ClientSampleId :

Tgt Ion: 63 Resp: 75139

Ion Ratio Lower Upper

63 100

65 30.1 24.5 36.7



#46

Dibromomethane

Concen: 17.744 ug/l

RT: 9.398 min Scan# 1328

Delta R.T. 0.006 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

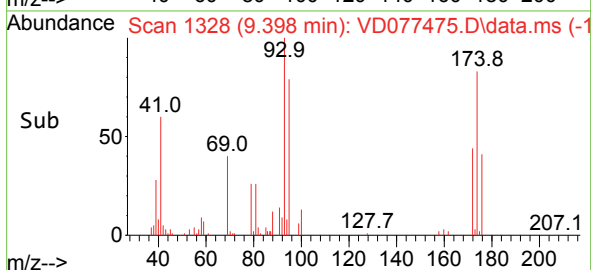
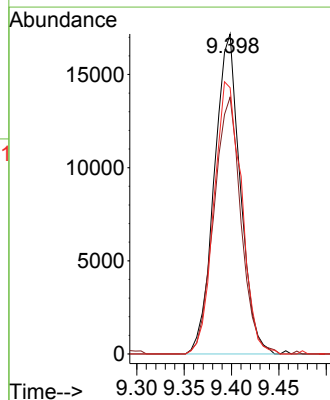
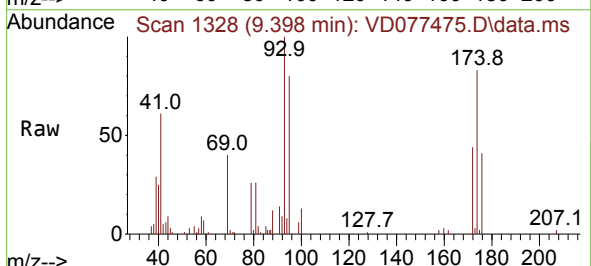
Tgt Ion: 93 Resp: 32714

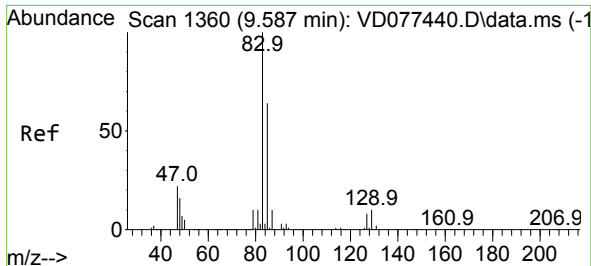
Ion Ratio Lower Upper

93 100

95 83.8 67.7 101.5

174 90.3 85.4 128.2

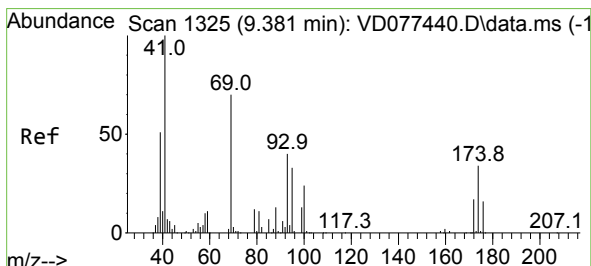
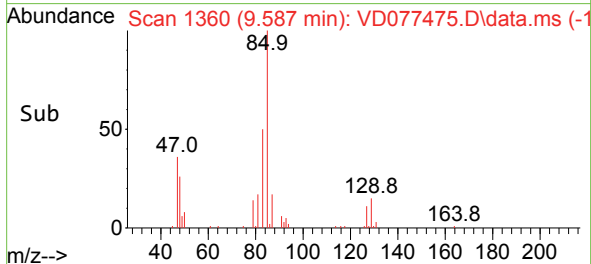
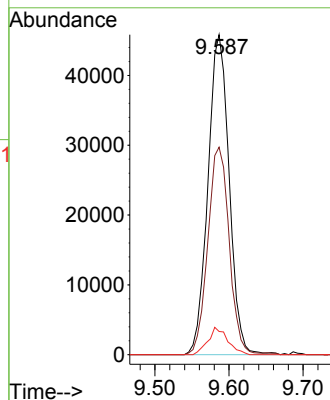
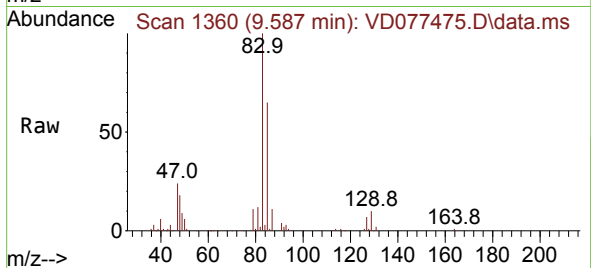




#47  
Bromodichloromethane  
Concen: 18.710 ug/l  
RT: 9.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

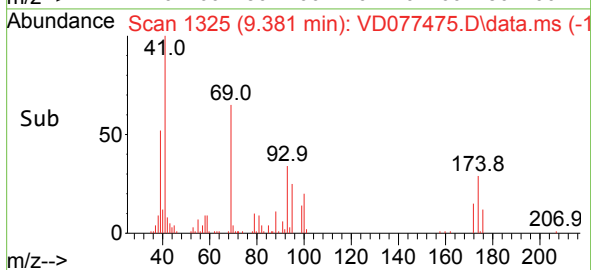
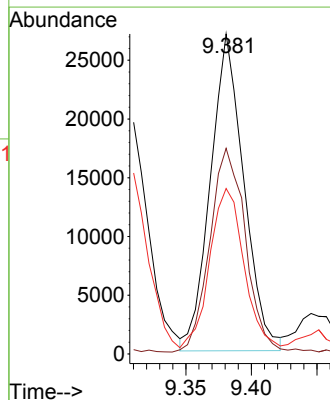
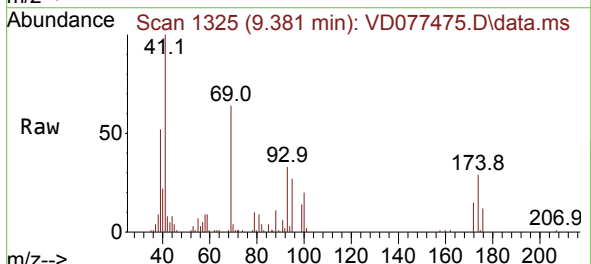
Instrument :  
MSVOA\_D  
ClientSampleId :

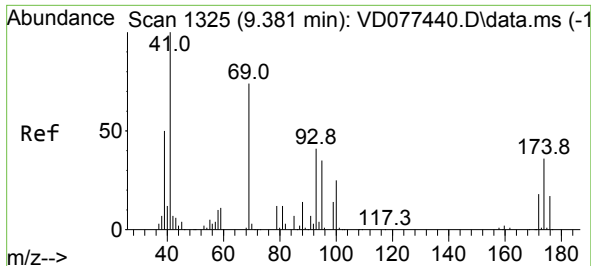
Tgt Ion: 83 Resp: 91178  
Ion Ratio Lower Upper  
83 100  
85 64.9 50.2 75.4  
127 7.2 6.3 9.5



#48  
Methyl methacrylate  
Concen: 18.546 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 41 Resp: 47844  
Ion Ratio Lower Upper  
41 100  
69 69.2 102.2 153.2#  
39 55.0 41.4 62.2





#49

1,4-Dioxane

Concen: 345.566 ug/l

RT: 9.393 min Scan# 1

Delta R.T. 0.012 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

ClientSampleId :

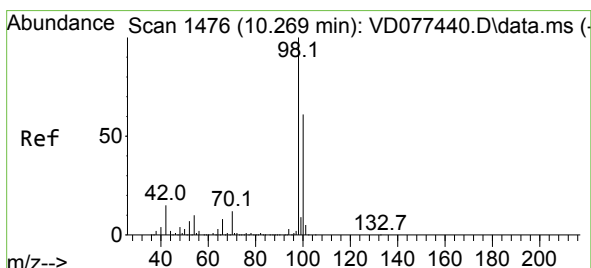
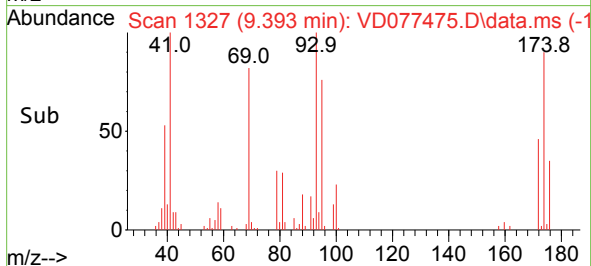
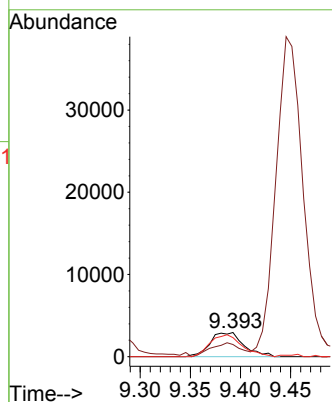
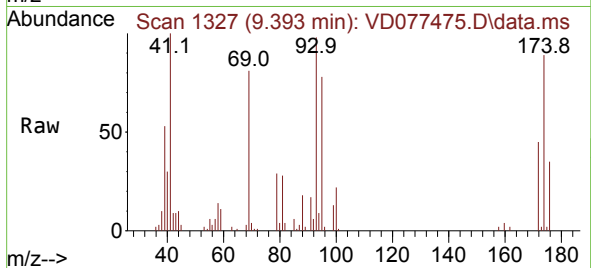
Tgt Ion: 88 Resp: 6846

Ion Ratio Lower Upper

88 100

43 51.4 19.0 28.6#

58 87.0 43.5 65.3#



#50

Toluene-d8

Concen: 49.218 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077475.D

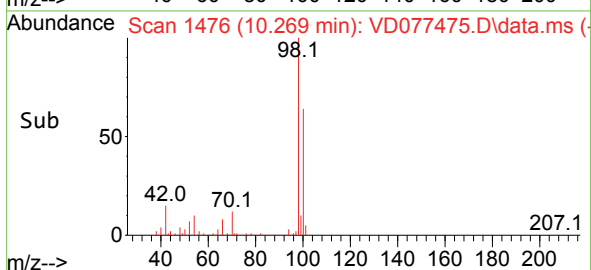
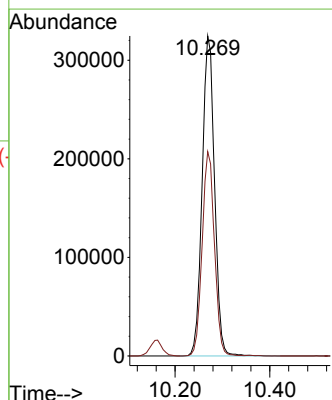
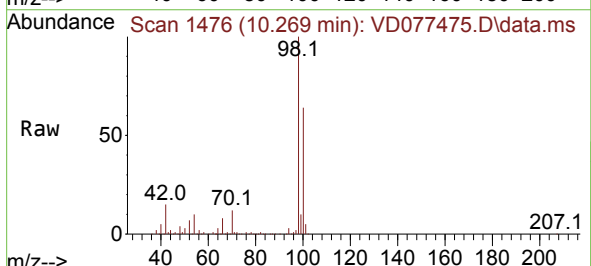
Acq: 01 Nov 2023 12:29

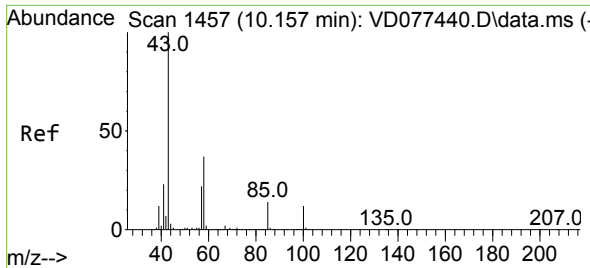
Tgt Ion: 98 Resp: 588420

Ion Ratio Lower Upper

98 100

100 63.6 50.3 75.5

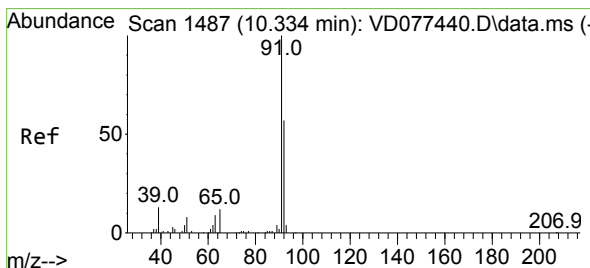
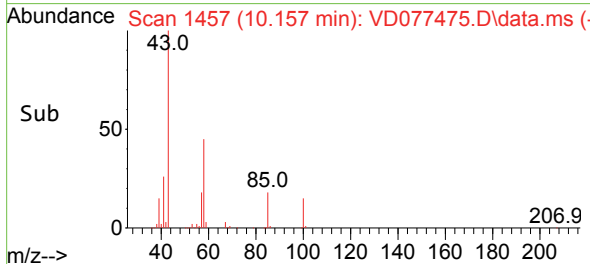
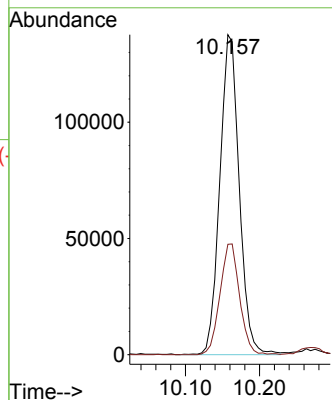
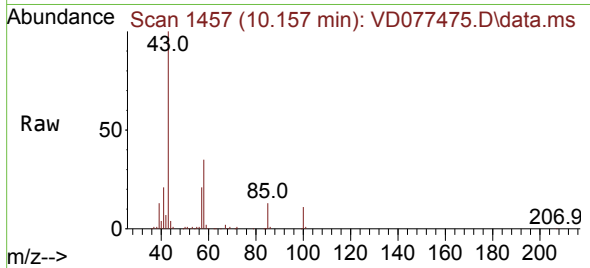




#51  
4-Methyl-2-Pentanone  
Concen: 94.188 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

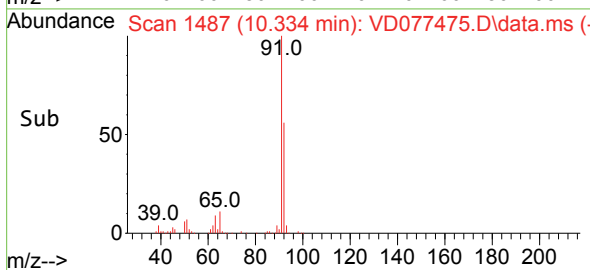
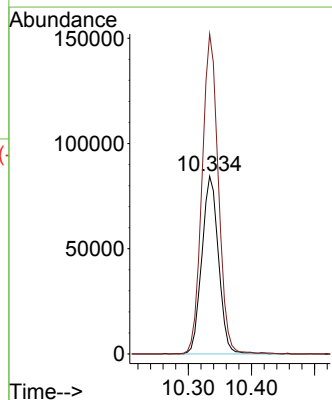
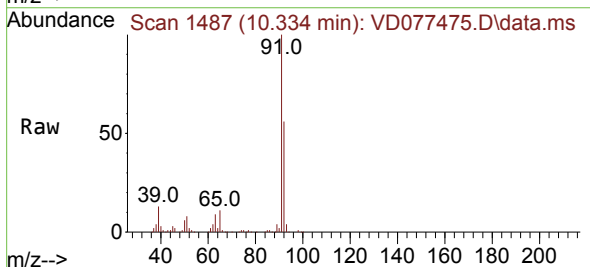
Instrument :  
MSVOA\_D  
ClientSampleId :

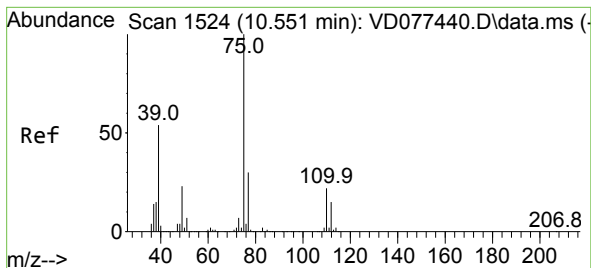
Tgt Ion: 43 Resp: 250558  
Ion Ratio Lower Upper  
43 100  
58 35.1 38.9 58.3#



#52  
Toluene  
Concen: 19.490 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 92 Resp: 154616  
Ion Ratio Lower Upper  
92 100  
91 176.4 143.0 214.4

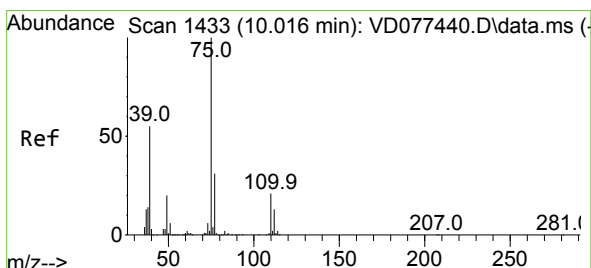
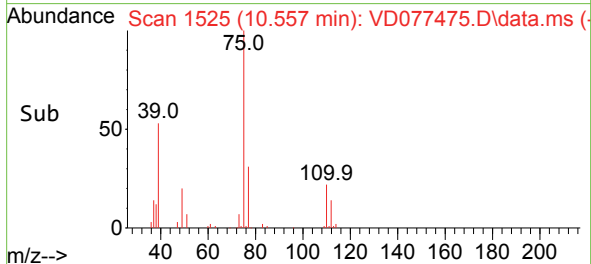
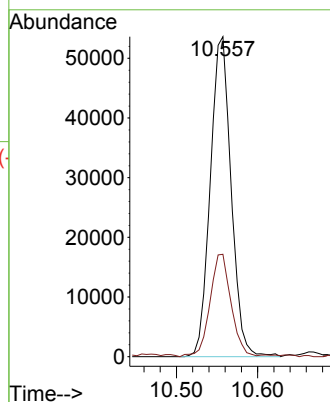
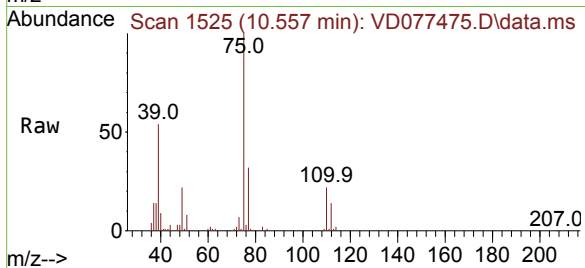




#53  
 t-1,3-Dichloropropene  
 Concen: 18.527 ug/l  
 RT: 10.557 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VD077475.D  
 Acq: 01 Nov 2023 12:29

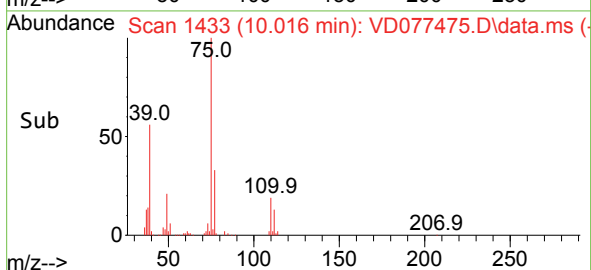
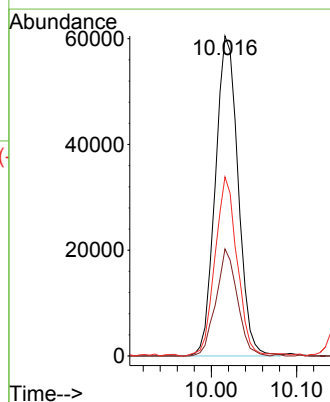
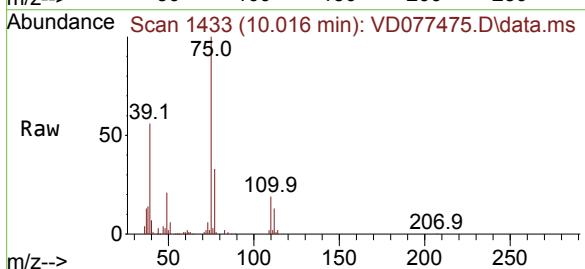
Instrument :  
 MSVOA\_D  
 ClientSampleId :

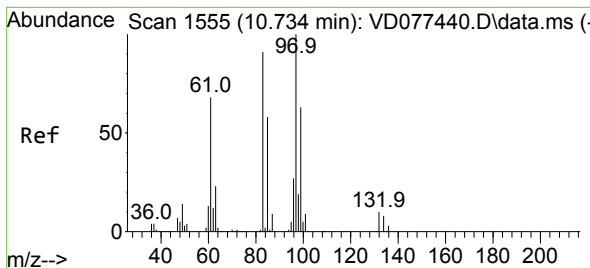
Tgt Ion: 75 Resp: 95603  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.3 37.9



#54  
 cis-1,3-Dichloropropene  
 Concen: 18.914 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. -0.000 min  
 Lab File: VD077475.D  
 Acq: 01 Nov 2023 12:29

Tgt Ion: 75 Resp: 112311  
 Ion Ratio Lower Upper  
 75 100  
 77 33.4 25.5 38.3  
 39 55.9 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 18.877 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

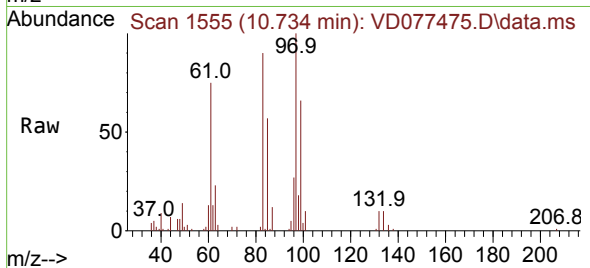
Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 97 Resp: 46433

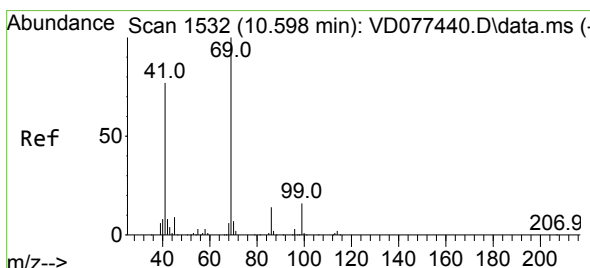
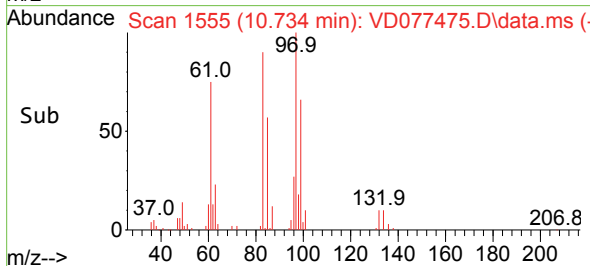
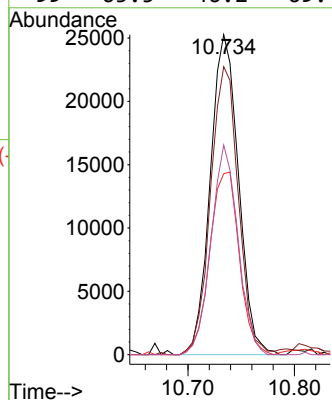
Ion Ratio Lower Upper

97 100

83 90.0 65.8 98.6

85 56.6 45.7 68.5

99 65.5 46.2 69.4



#56

Ethyl methacrylate

Concen: 18.269 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

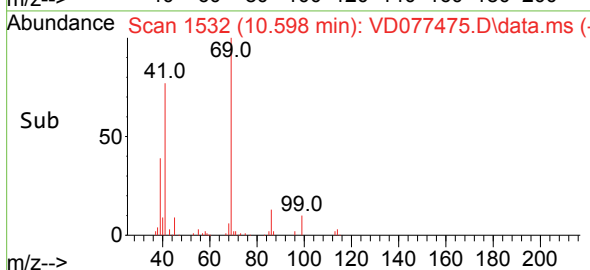
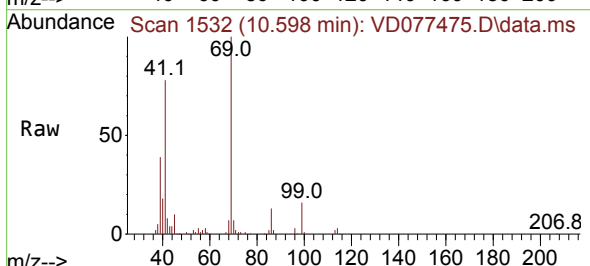
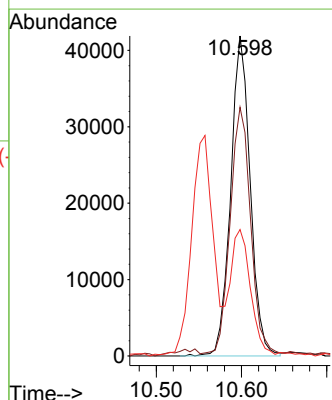
Tgt Ion: 69 Resp: 66816

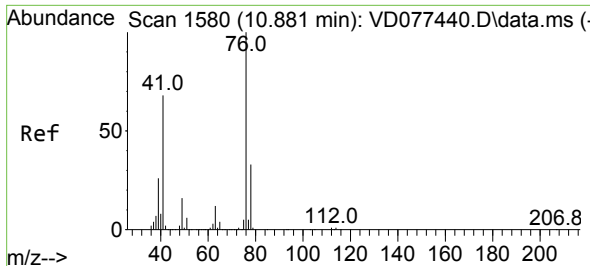
Ion Ratio Lower Upper

69 100

41 80.3 39.1 58.7#

39 38.3 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 19.009 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

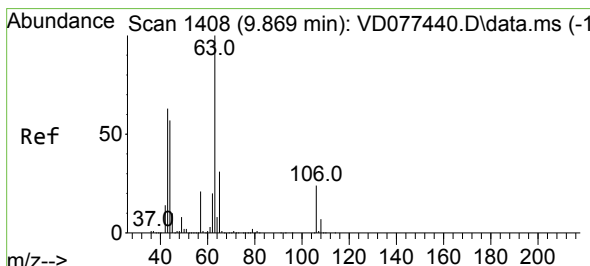
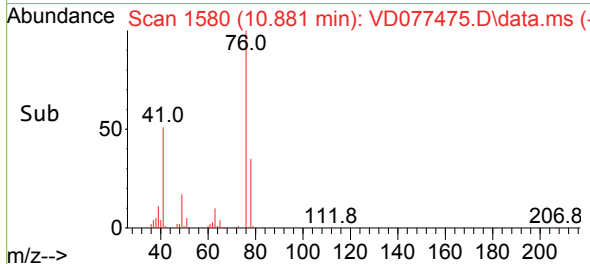
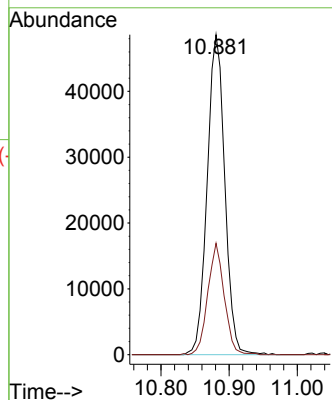
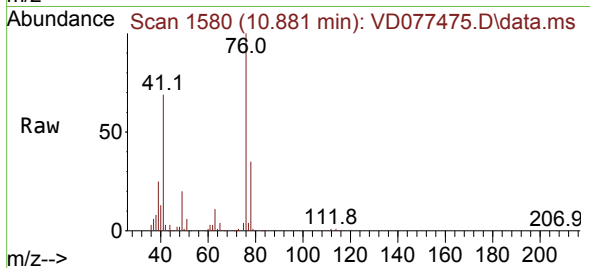
ClientSampleId :

Tgt Ion: 76 Resp: 87399

Ion Ratio Lower Upper

76 100

78 32.6 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 85.465 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD077475.D

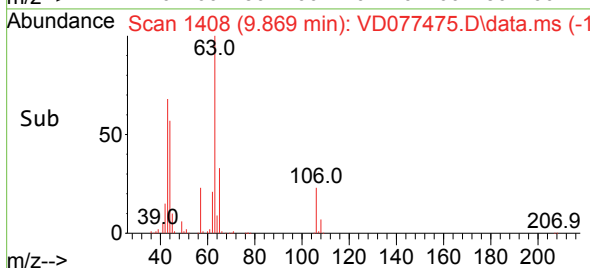
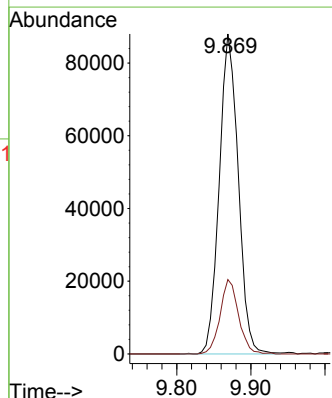
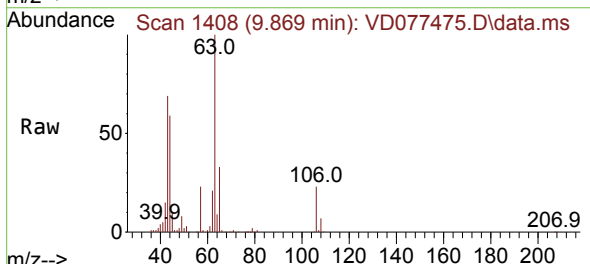
Acq: 01 Nov 2023 12:29

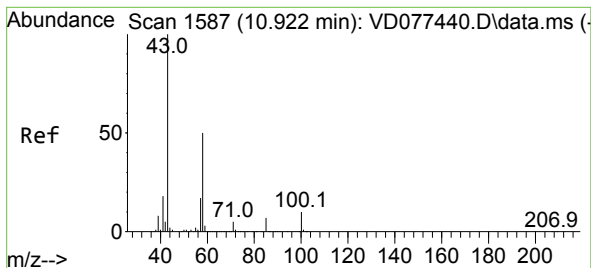
Tgt Ion: 63 Resp: 156481

Ion Ratio Lower Upper

63 100

106 22.7 25.3 37.9#

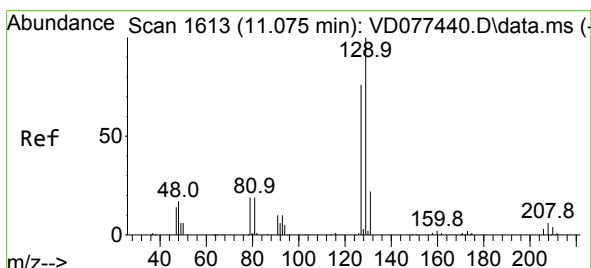
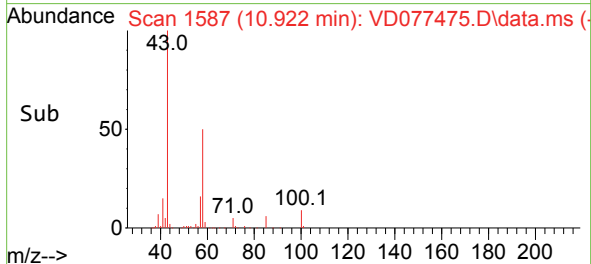
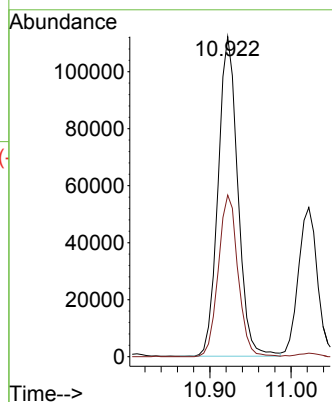
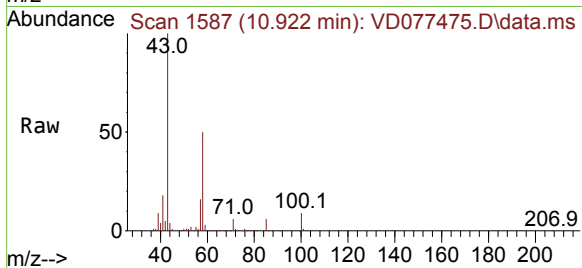




#59  
2-Hexanone  
Concen: 96.602 ug/l  
RT: 10.922 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

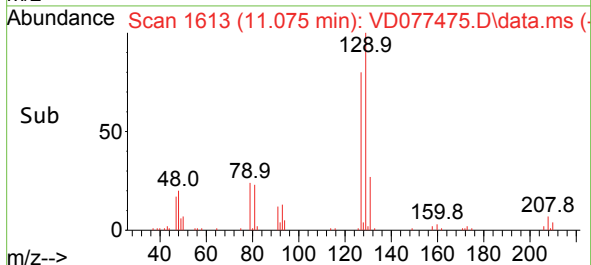
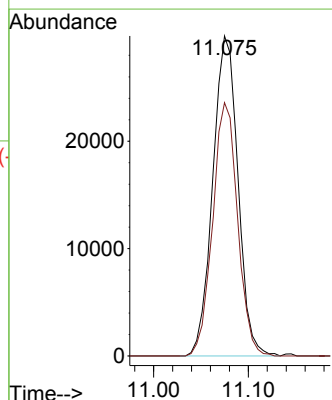
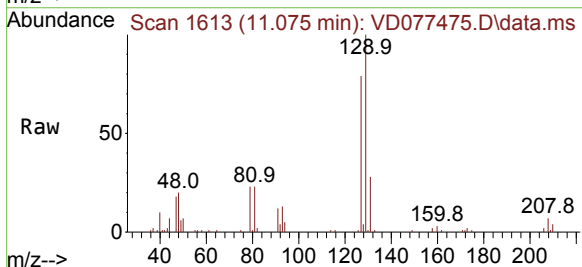
Instrument :  
MSVOA\_D  
ClientSampleId :

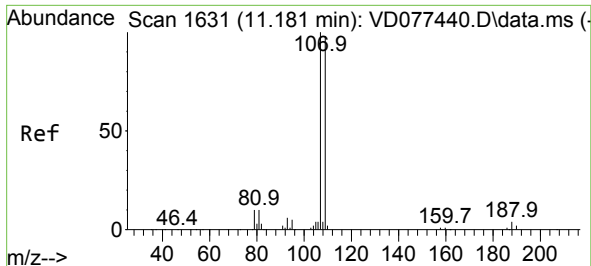
Tgt Ion: 43 Resp: 189308  
Ion Ratio Lower Upper  
43 100  
58 50.5 34.1 102.2



#60  
Dibromochloromethane  
Concen: 18.609 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion:129 Resp: 55043  
Ion Ratio Lower Upper  
129 100  
127 78.2 37.1 111.5

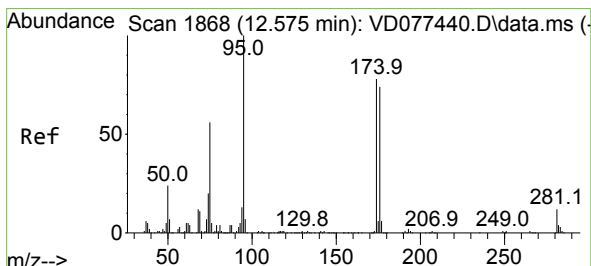
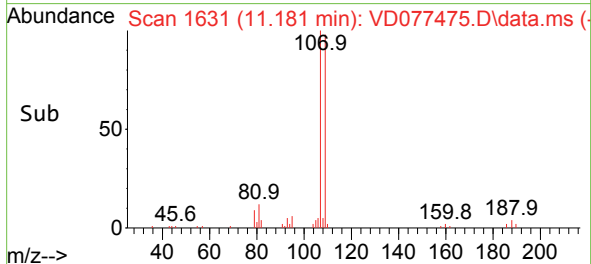
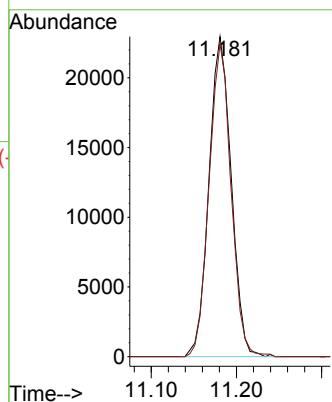
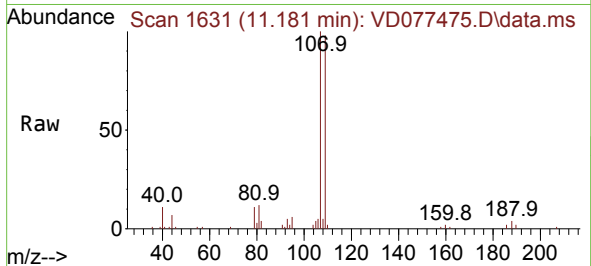




#61  
1,2-Dibromoethane  
Concen: 17.890 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

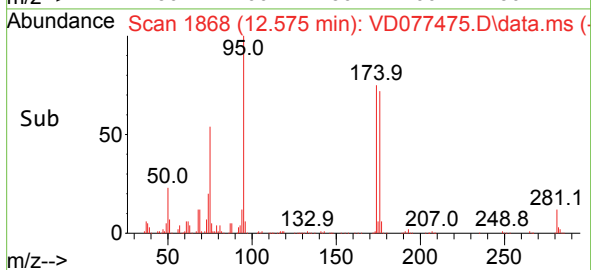
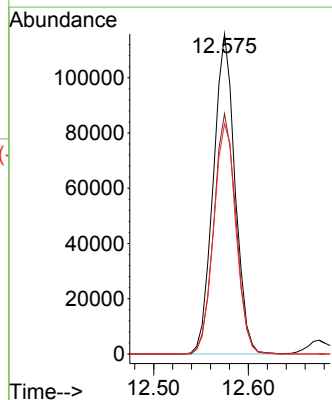
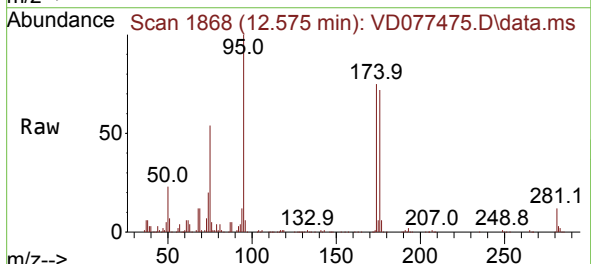
Instrument :  
MSVOA\_D  
ClientSampleId :

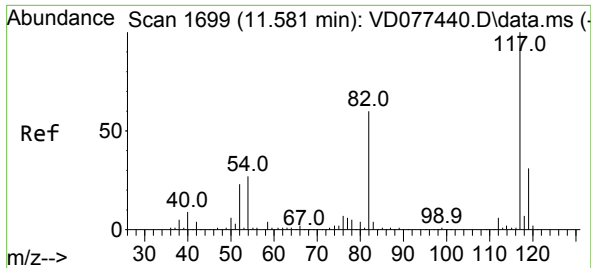
Tgt Ion:107 Resp: 41674  
Ion Ratio Lower Upper  
107 100  
109 96.3 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 45.865 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 95 Resp: 184684  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 201.8  
176 74.3 0.0 191.8

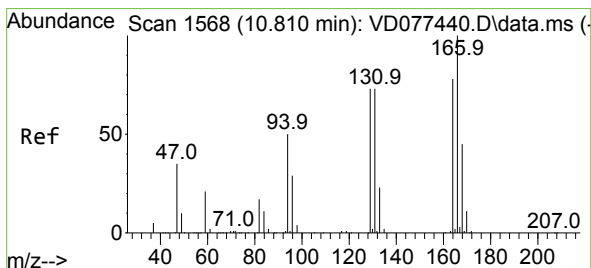
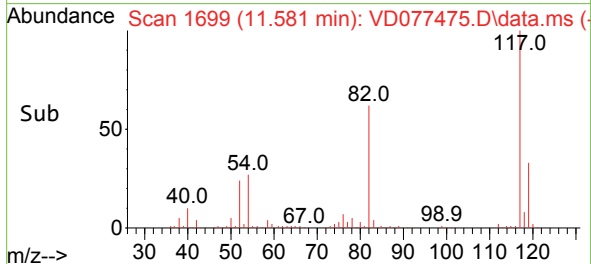
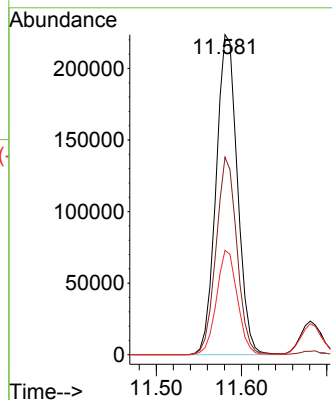
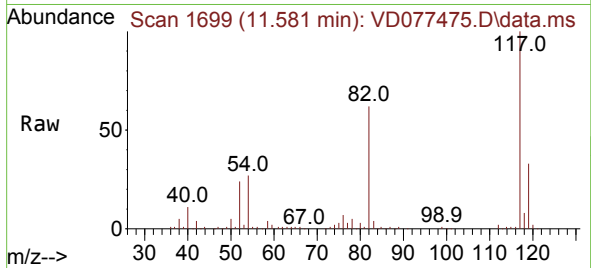




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

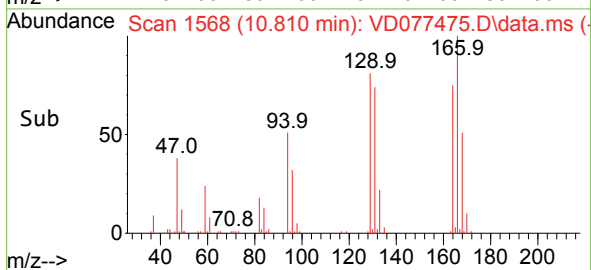
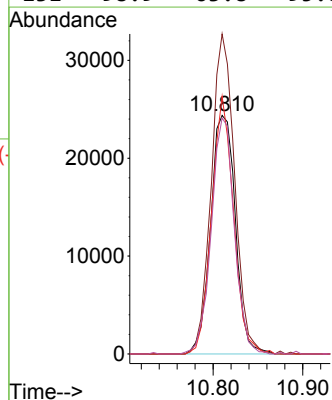
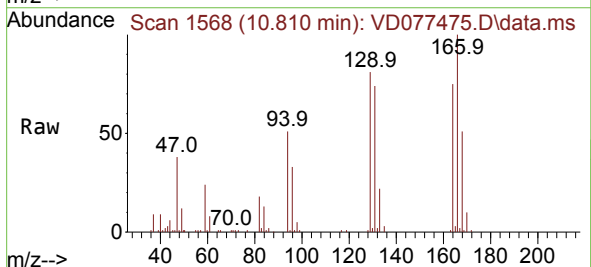
Instrument :  
MSVOA\_D  
ClientSampleId :

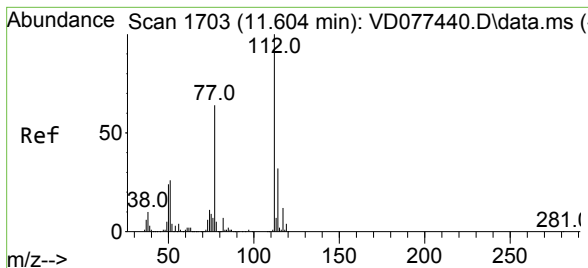
Tgt Ion:117 Resp: 389478  
Ion Ratio Lower Upper  
117 100  
82 61.7 38.3 57.5#  
119 32.6 25.0 37.4



#64  
Tetrachloroethene  
Concen: 18.832 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion:164 Resp: 46697  
Ion Ratio Lower Upper  
164 100  
166 134.2 99.2 148.8  
129 108.0 68.4 102.6#  
131 98.9 63.8 95.8#





#65

Chlorobenzene

Concen: 19.496 ug/l

RT: 11.610 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

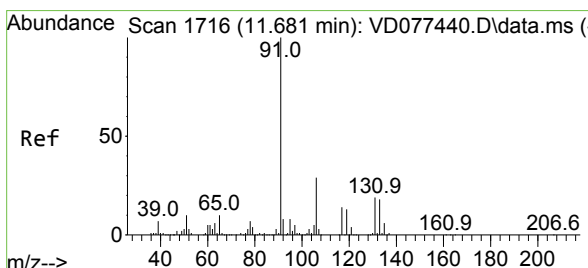
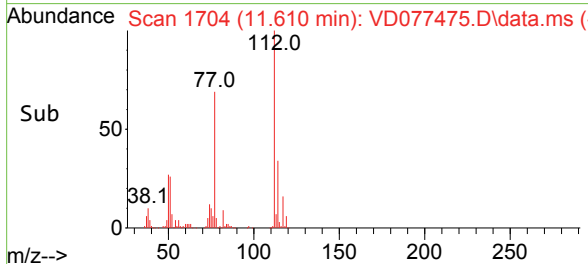
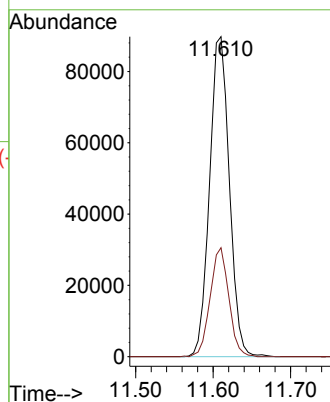
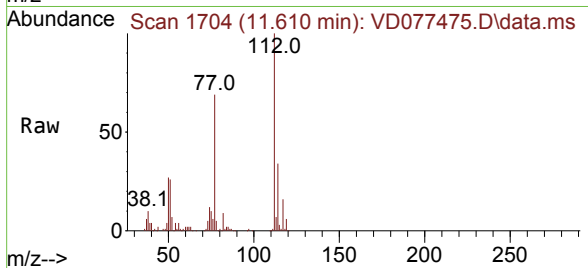
ClientSampleId :

Tgt Ion:112 Resp: 159078

Ion Ratio Lower Upper

112 100

114 34.1 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 19.415 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

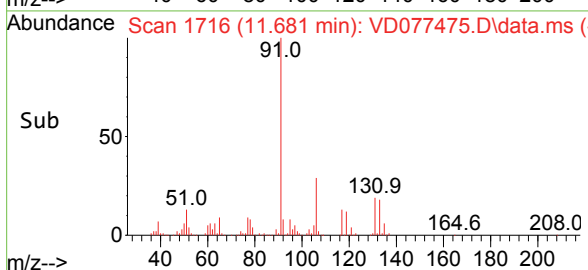
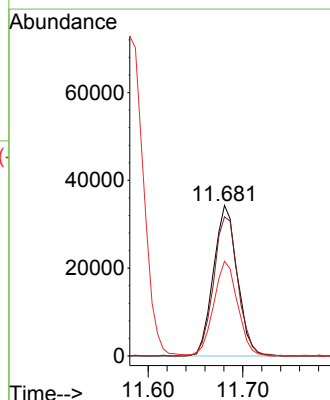
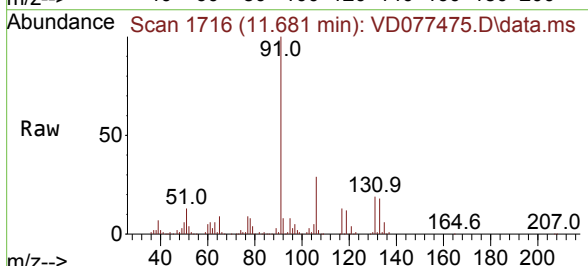
Tgt Ion:131 Resp: 59865

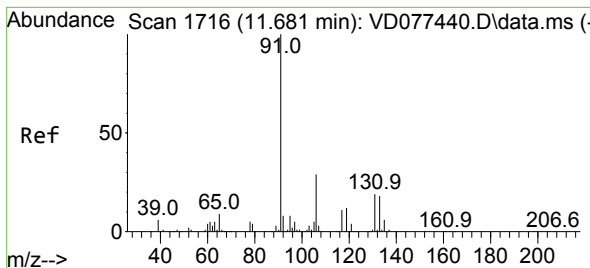
Ion Ratio Lower Upper

131 100

133 95.1 48.5 145.5

119 63.0 35.6 106.9





#67

Ethyl Benzene

Concen: 19.975 ug/l

RT: 11.687 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

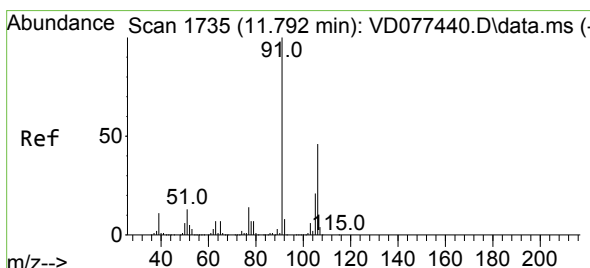
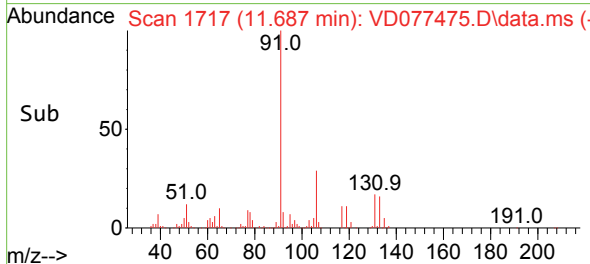
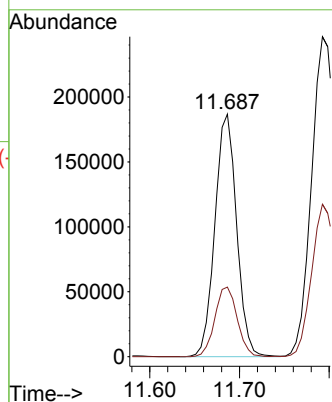
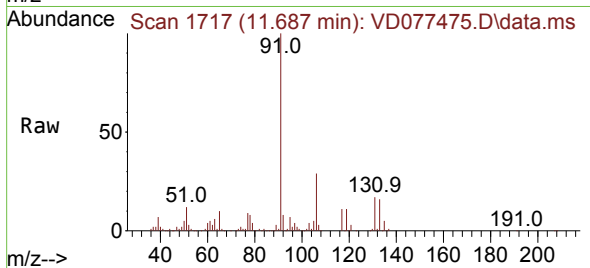
ClientSampleId :

Tgt Ion: 91 Resp: 313608

Ion Ratio Lower Upper

91 100

106 28.7 26.5 39.7



#68

m/p-Xylenes

Concen: 39.670 ug/l

RT: 11.792 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VD077475.D

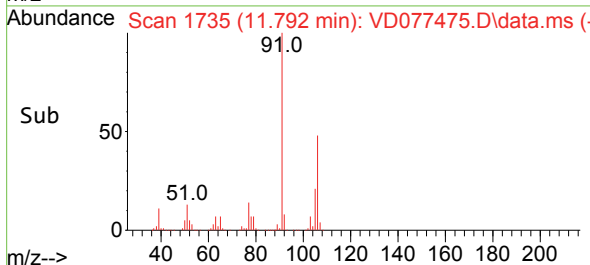
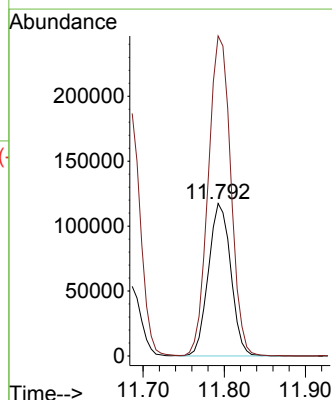
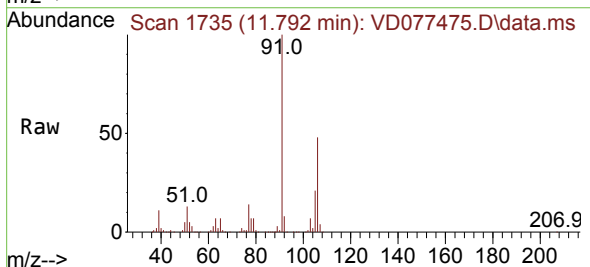
Acq: 01 Nov 2023 12:29

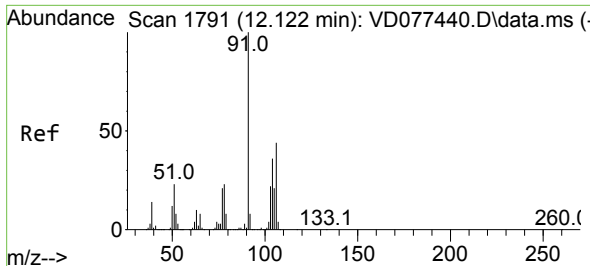
Tgt Ion:106 Resp: 224905

Ion Ratio Lower Upper

106 100

91 211.2 147.0 220.6

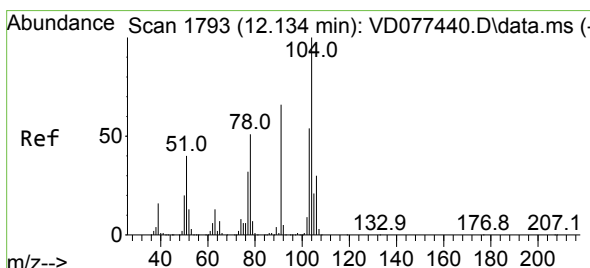
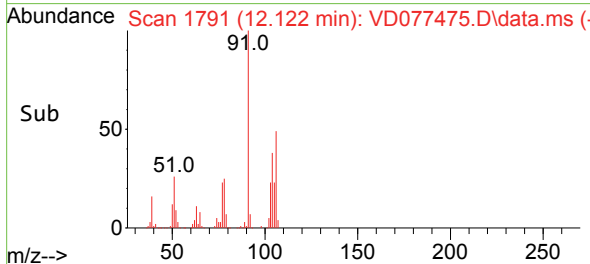
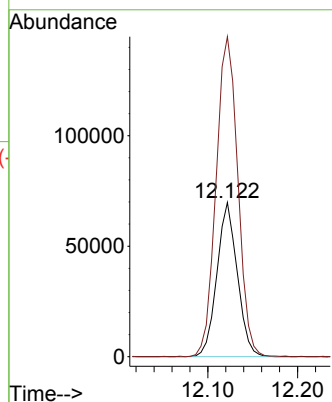
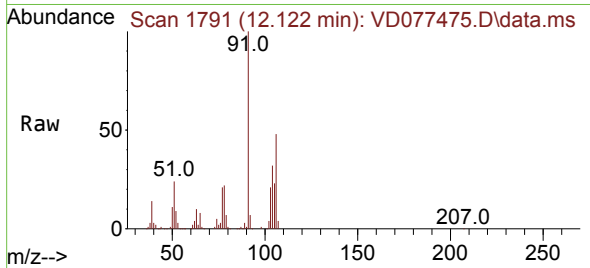




#69  
o-Xylene  
Concen: 20.240 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

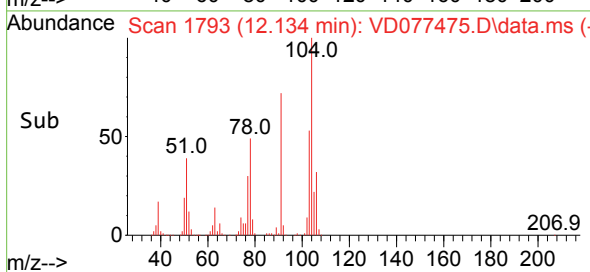
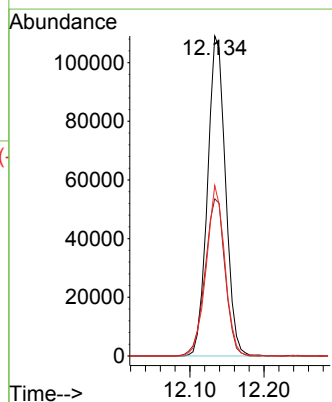
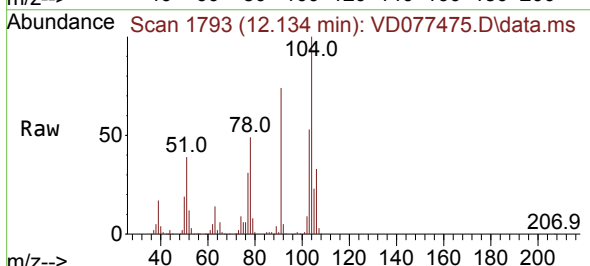
Instrument :  
MSVOA\_D  
ClientSampleId :

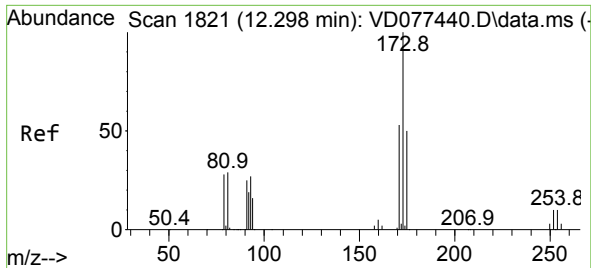
Tgt Ion:106 Resp: 109909  
Ion Ratio Lower Upper  
106 100  
91 221.9 97.9 293.6



#70  
Styrene  
Concen: 19.616 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion:104 Resp: 183764  
Ion Ratio Lower Upper  
104 100  
78 54.6 33.2 49.8#  
103 55.1 43.6 65.4

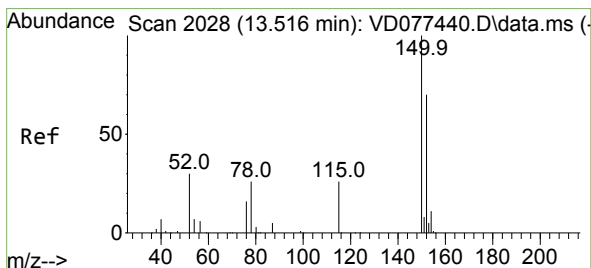
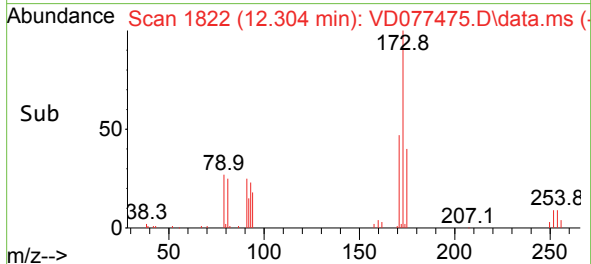
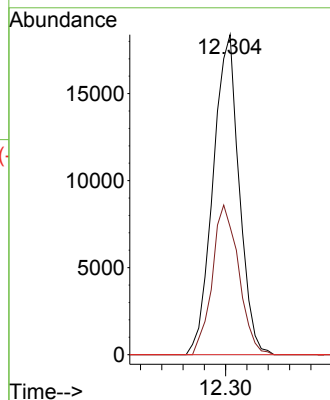
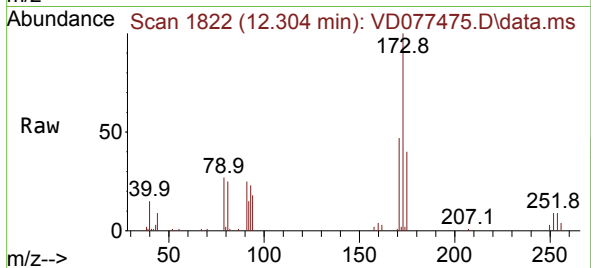




#71  
Bromoform  
Concen: 18.250 ug/l  
RT: 12.304 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

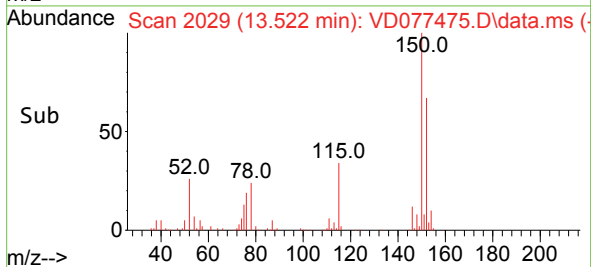
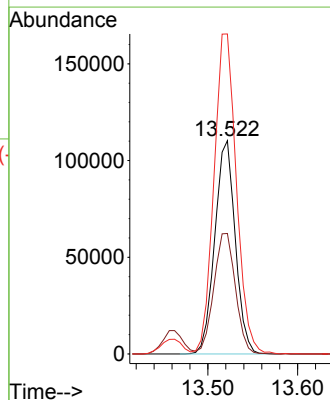
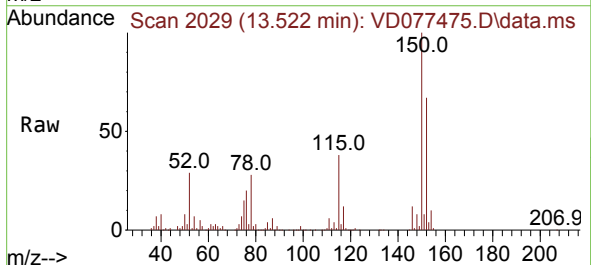
Instrument :  
MSVOA\_D  
ClientSampleId :

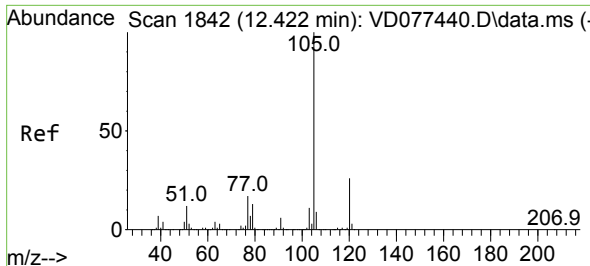
Tgt Ion:173 Resp: 31197  
Ion Ratio Lower Upper  
173 100  
175 47.5 24.6 73.8  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion:152 Resp: 174768  
Ion Ratio Lower Upper  
152 100  
115 59.6 27.1 81.3  
150 164.3 0.0 353.6

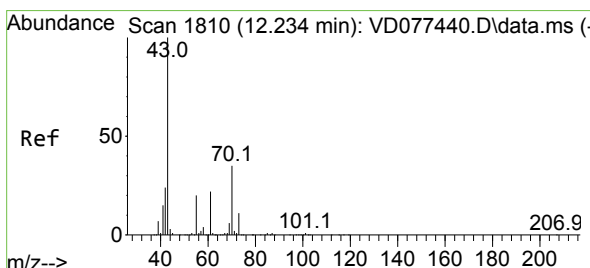
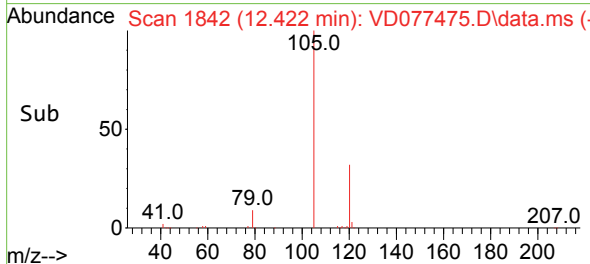
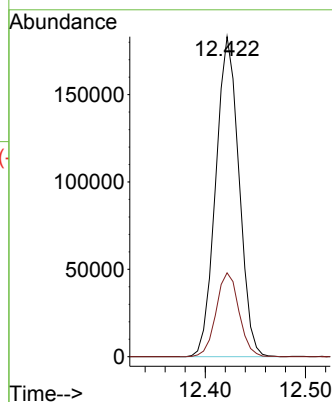
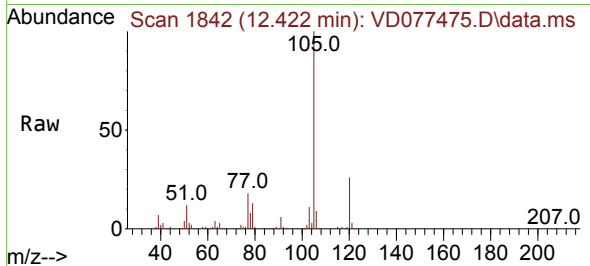




#73  
Isopropylbenzene  
Concen: 20.711 ug/l  
RT: 12.422 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

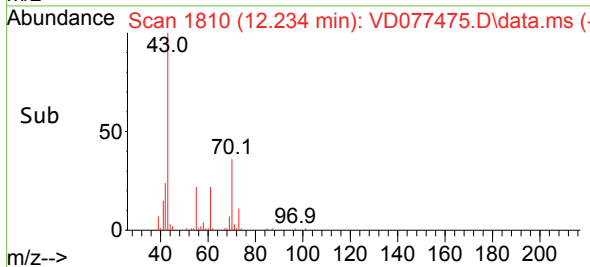
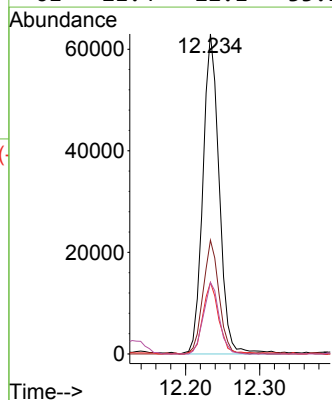
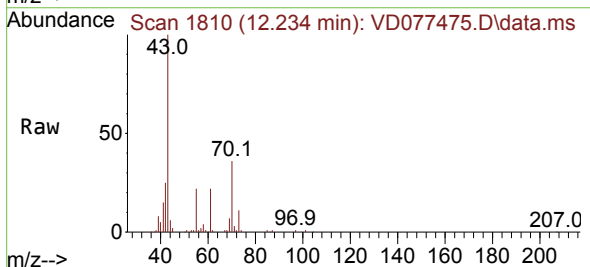
Instrument :  
MSVOA\_D  
ClientSampleId :

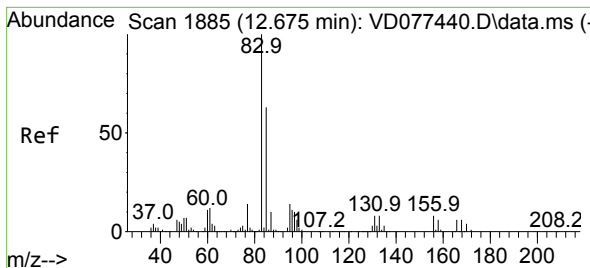
Tgt Ion:105 Resp: 295111  
Ion Ratio Lower Upper  
105 100  
120 25.7 14.3 42.9



#74  
N-ethyl acetate  
Concen: 19.150 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 43 Resp: 96649  
Ion Ratio Lower Upper  
43 100  
70 34.5 45.0 67.4#  
55 21.8 23.8 35.6#  
61 21.4 22.1 33.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 20.081 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD077475.D

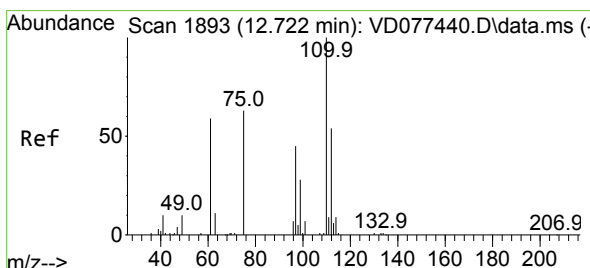
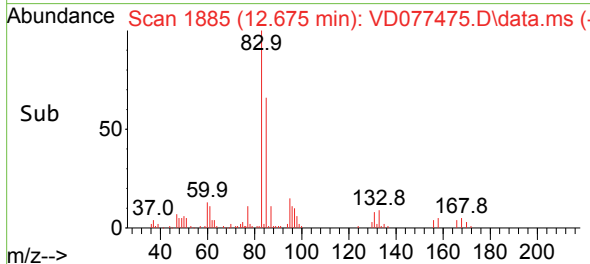
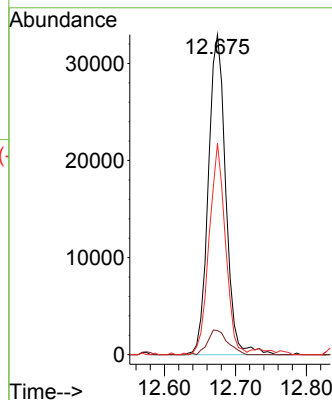
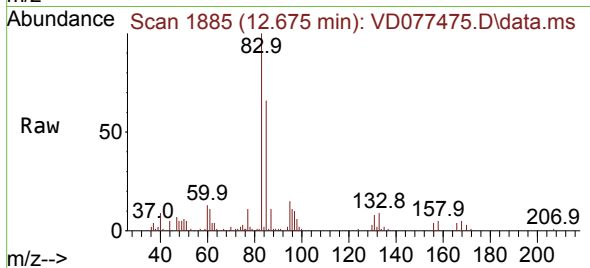
Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 56089 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 8.9   | 5.1   | 15.3  |
| 85        | 61.8  | 32.6  | 97.8  |



#76

1,2,3-Trichloropropane

Concen: 34.612 ug/l

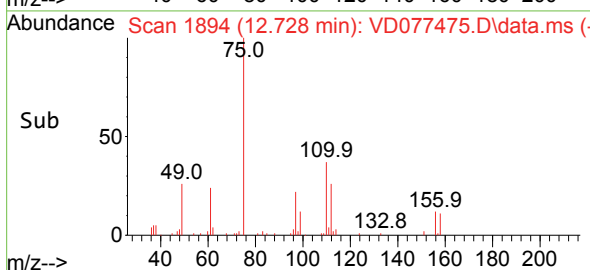
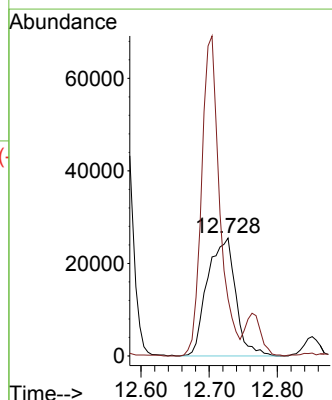
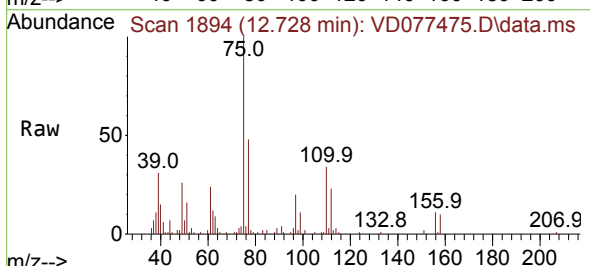
RT: 12.728 min Scan# 1894

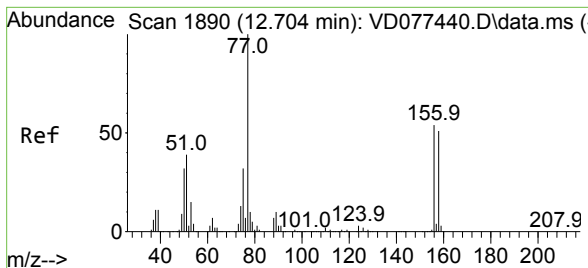
Delta R.T. 0.006 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 73622 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 18.764 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. -0.006 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

ClientSampleId :

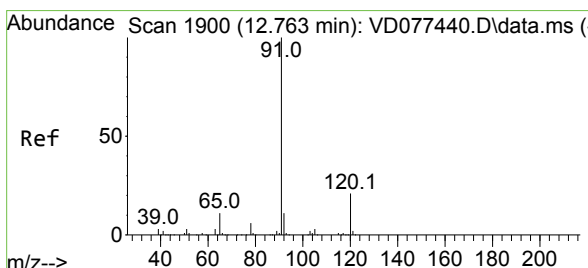
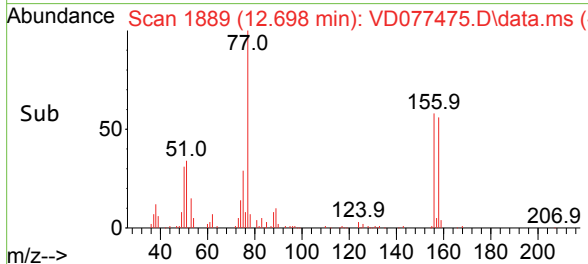
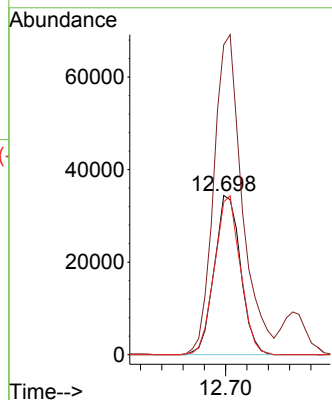
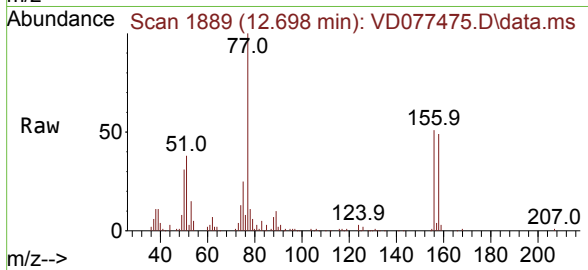
Tgt Ion:156 Resp: 58852

Ion Ratio Lower Upper

156 100

77 218.1 76.8 230.4

158 98.5 48.6 145.9



#78

n-propylbenzene

Concen: 20.713 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. -0.000 min

Lab File: VD077475.D

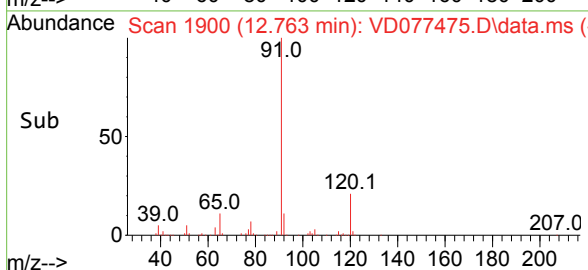
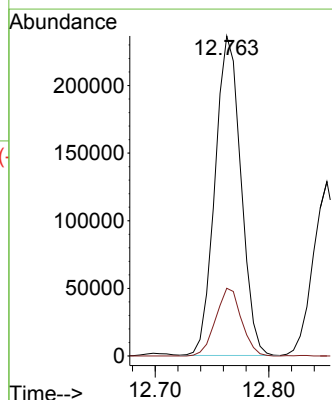
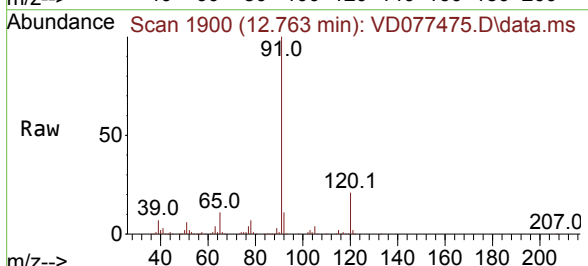
Acq: 01 Nov 2023 12:29

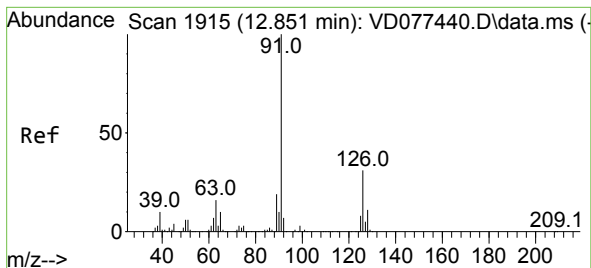
Tgt Ion: 91 Resp: 374746

Ion Ratio Lower Upper

91 100

120 21.0 12.4 37.2





#79

2-Chlorotoluene

Concen: 20.179 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

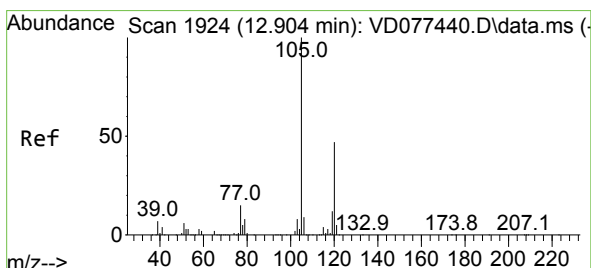
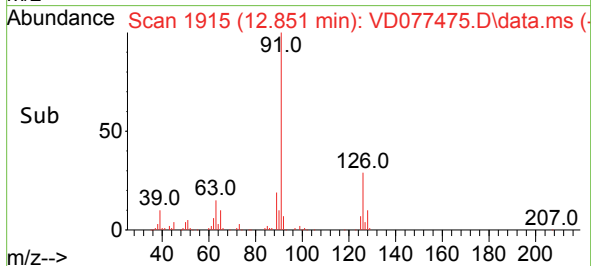
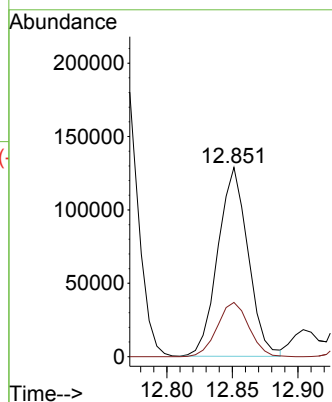
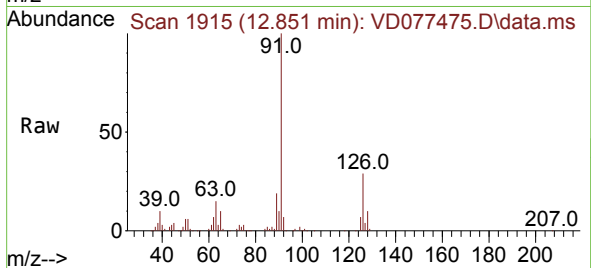
ClientSampleId :

Tgt Ion: 91 Resp: 206718

Ion Ratio Lower Upper

91 100

126 30.1 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 20.079 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD077475.D

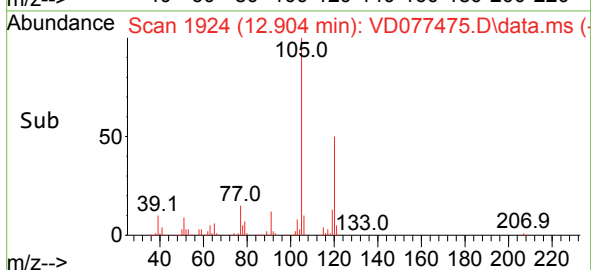
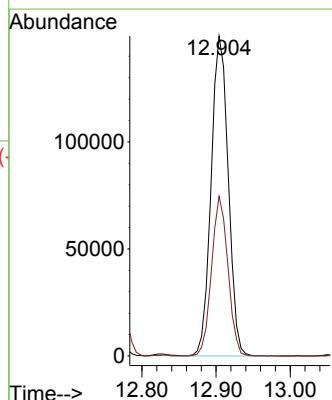
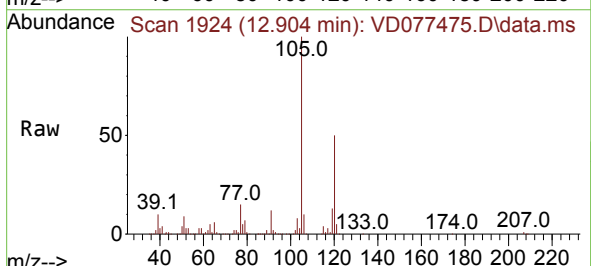
Acq: 01 Nov 2023 12:29

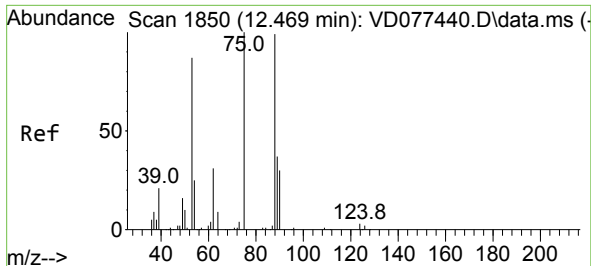
Tgt Ion: 105 Resp: 240069

Ion Ratio Lower Upper

105 100

120 47.6 26.4 79.2

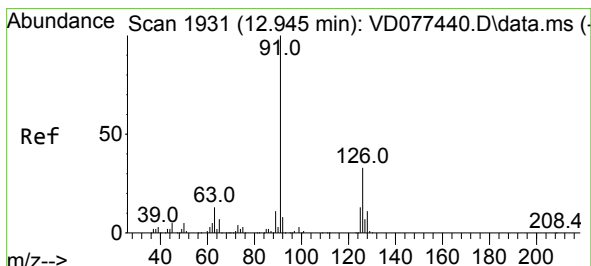
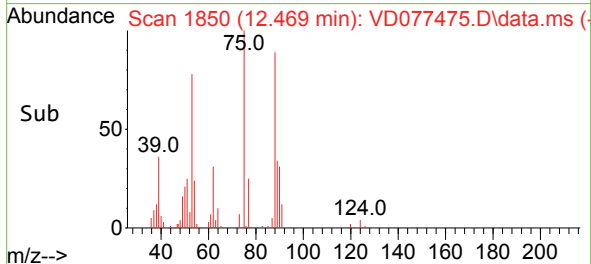
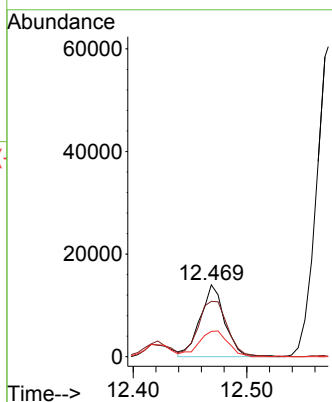
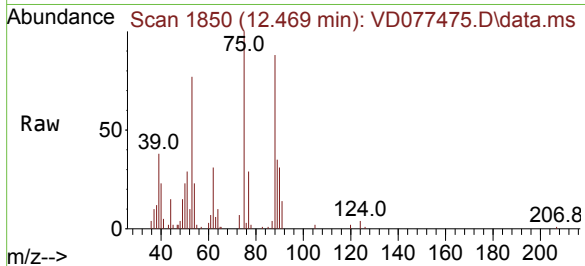




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.983 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

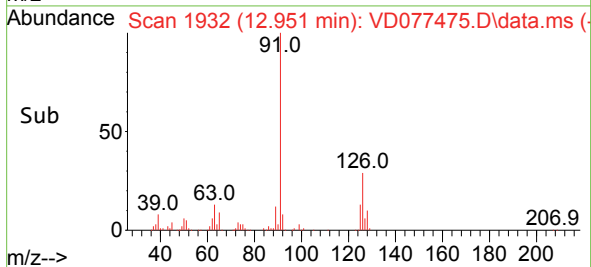
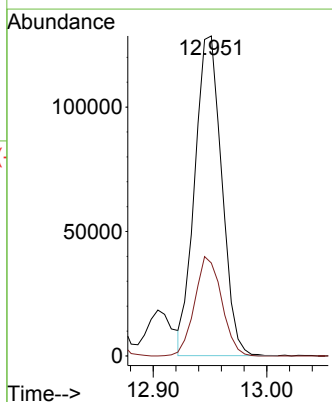
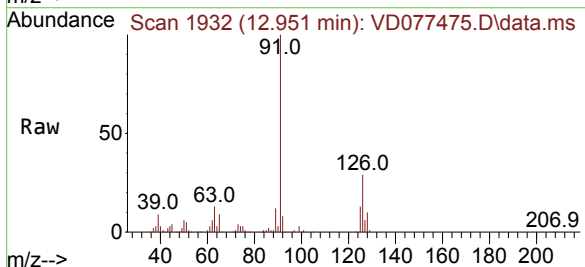
Instrument :  
MSVOA\_D  
ClientSampleId :

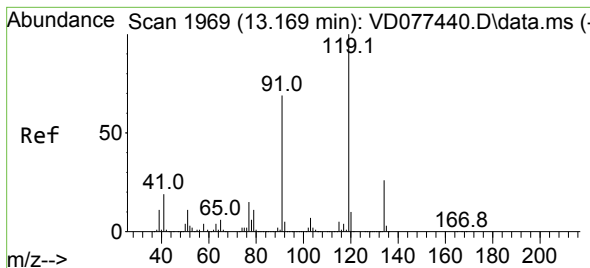
Tgt Ion: 75 Resp: 20904  
Ion Ratio Lower Upper  
75 100  
53 93.1 63.0 94.4  
89 42.3 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 19.820 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 91 Resp: 211487  
Ion Ratio Lower Upper  
91 100  
126 31.2 19.4 58.4

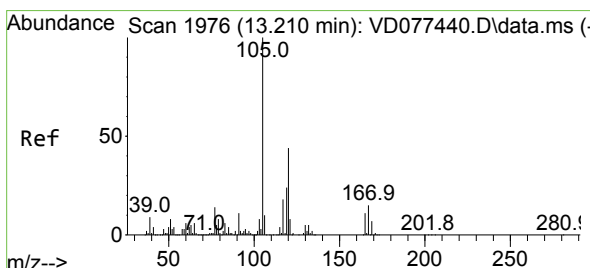
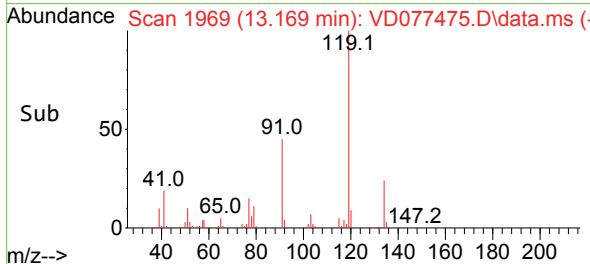
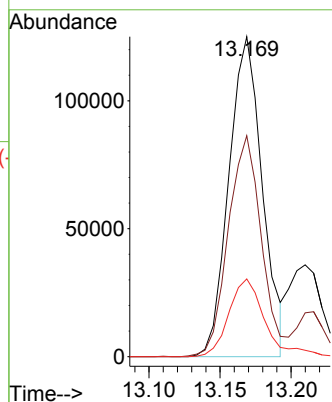
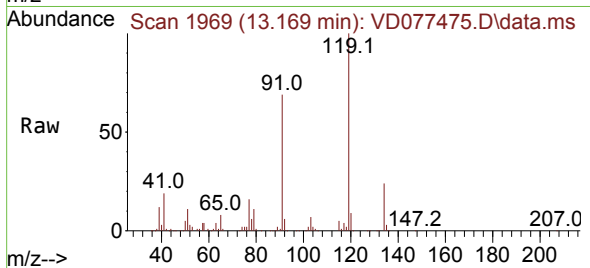




#83  
tert-Butylbenzene  
Concen: 20.397 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

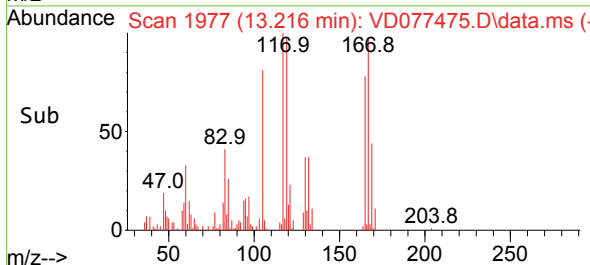
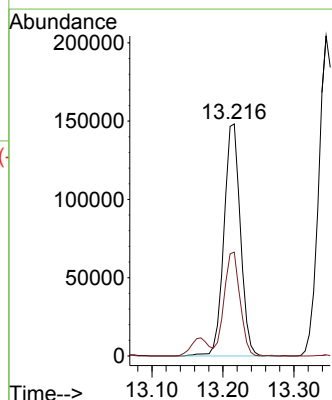
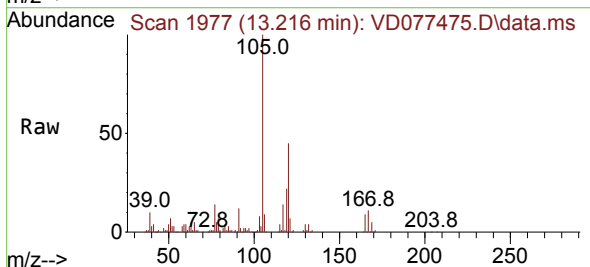
Instrument :  
MSVOA\_D  
ClientSampleId :

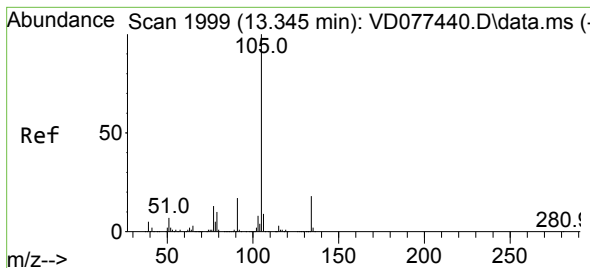
Tgt Ion:119 Resp: 205032  
Ion Ratio Lower Upper  
119 100  
91 69.0 29.3 87.8  
134 26.3 14.1 42.3



#84  
1,2,4-Trimethylbenzene  
Concen: 20.034 ug/l  
RT: 13.216 min Scan# 1977  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion:105 Resp: 237945  
Ion Ratio Lower Upper  
105 100  
120 43.1 24.3 72.9





#85

sec-Butylbenzene

Concen: 20.964 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

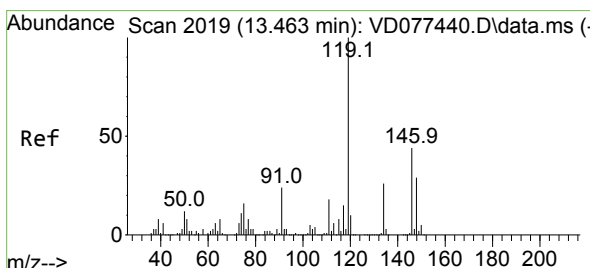
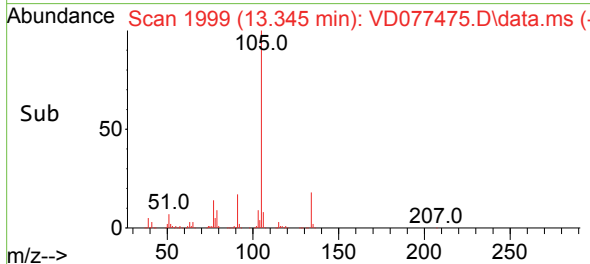
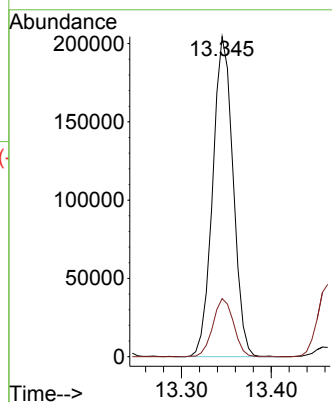
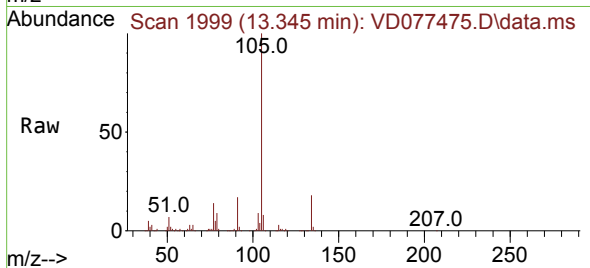
ClientSampleId :

Tgt Ion:105 Resp: 322437

Ion Ratio Lower Upper

105 100

134 18.4 10.9 32.9



#86

p-Isopropyltoluene

Concen: 20.528 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

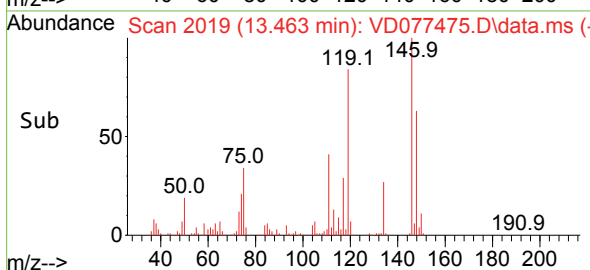
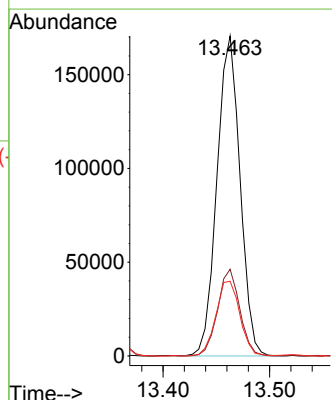
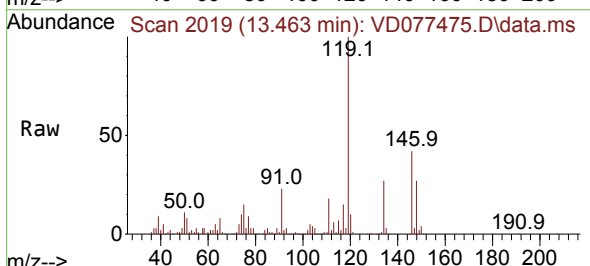
Tgt Ion:119 Resp: 256633

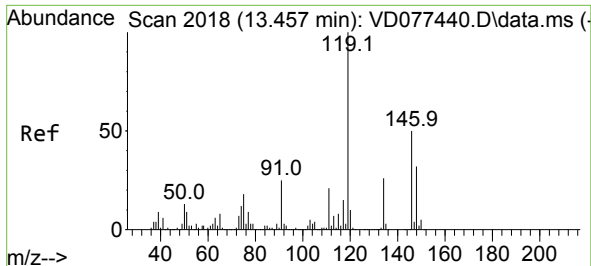
Ion Ratio Lower Upper

119 100

134 26.0 14.2 42.6

91 24.3 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 20.014 ug/l

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

ClientSampleId :

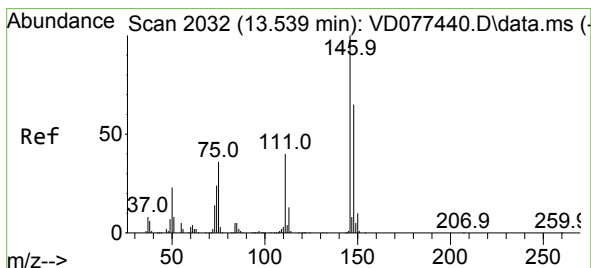
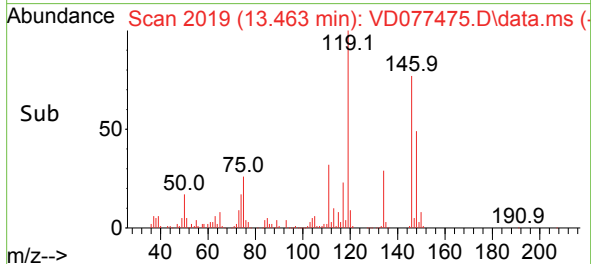
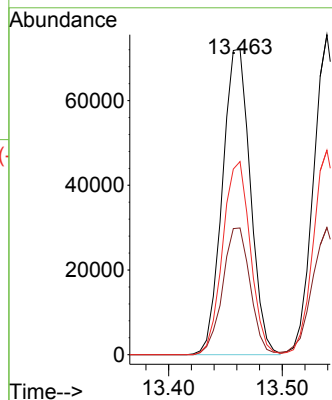
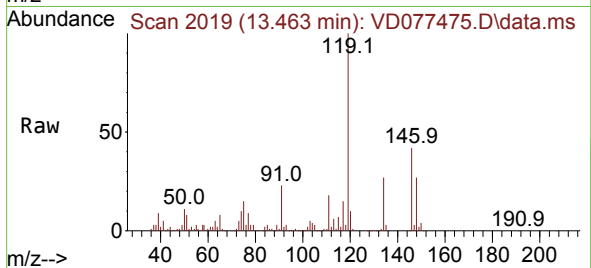
Tgt Ion:146 Resp: 123390

Ion Ratio Lower Upper

146 100

111 40.9 17.9 53.8

148 62.5 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 19.631 ug/l

RT: 13.539 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

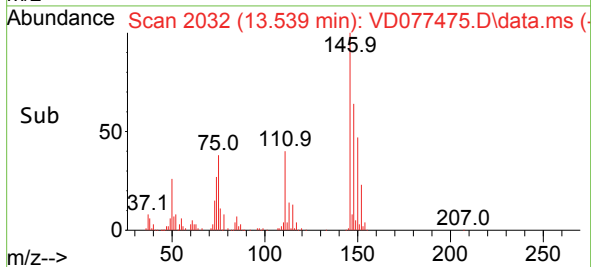
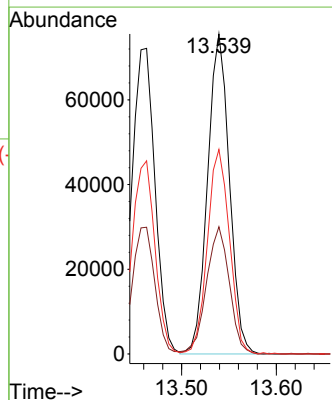
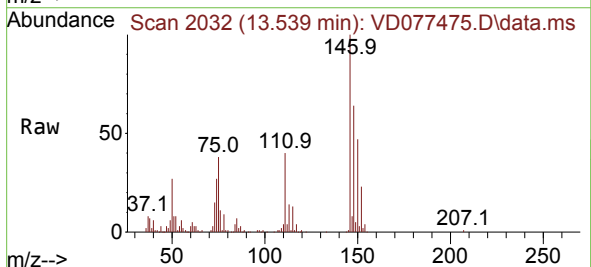
Tgt Ion:146 Resp: 120917

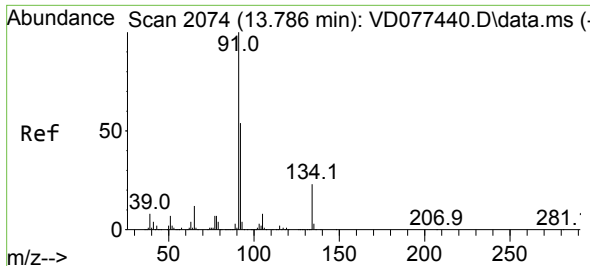
Ion Ratio Lower Upper

146 100

111 41.7 17.4 52.3

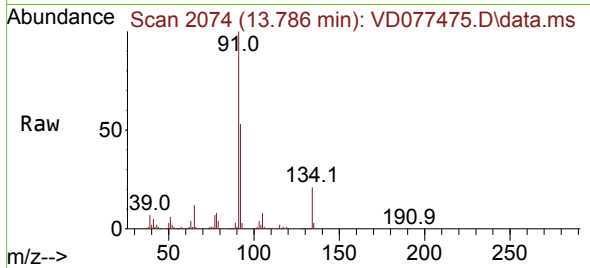
148 64.8 31.7 95.1



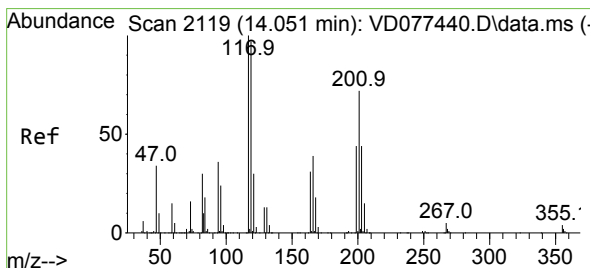
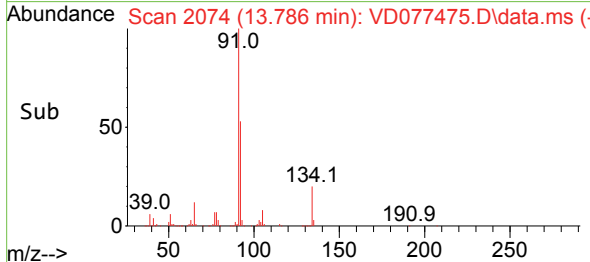
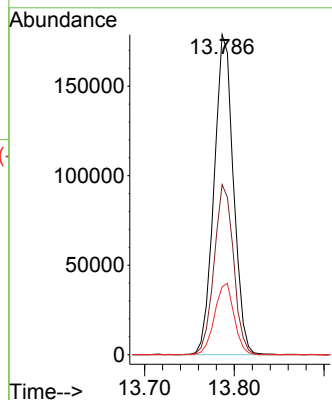


#89  
n-Butylbenzene  
Concen: 20.641 ug/l  
RT: 13.786 min Scan# 2074  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Instrument :  
MSVOA\_D  
ClientSampleId :

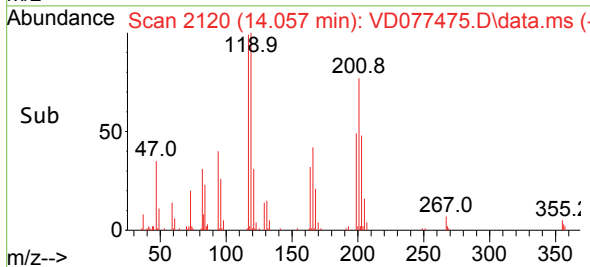
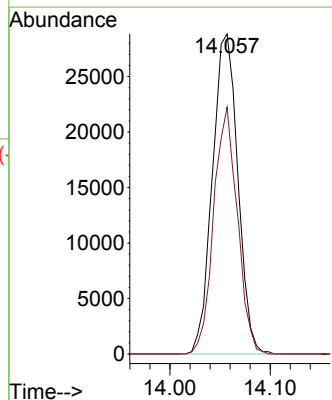
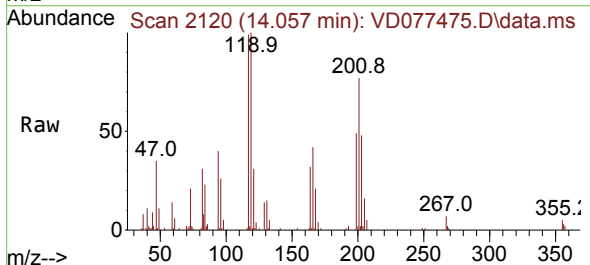


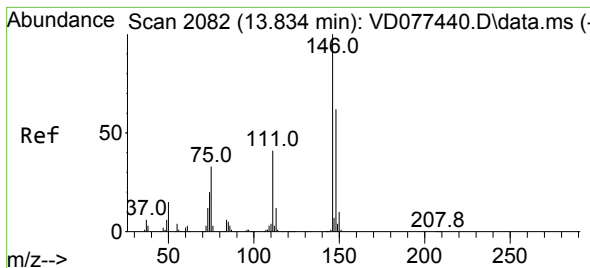
Tgt Ion: 91 Resp: 268211  
Ion Ratio Lower Upper  
91 100  
92 53.2 26.5 79.5  
134 22.5 13.8 41.3



#90  
Hexachloroethane  
Concen: 19.870 ug/l  
RT: 14.057 min Scan# 2120  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion: 117 Resp: 50833  
Ion Ratio Lower Upper  
117 100  
201 71.8 38.5 115.5





#91

1,2-Dichlorobenzene

Concen: 19.439 ug/l

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

ClientSampleId :

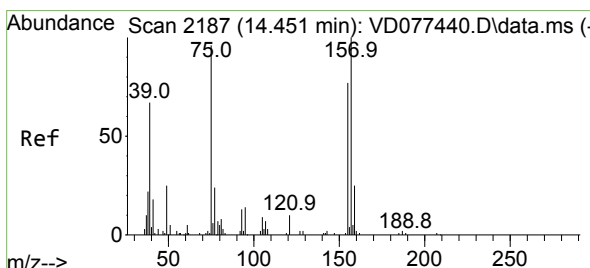
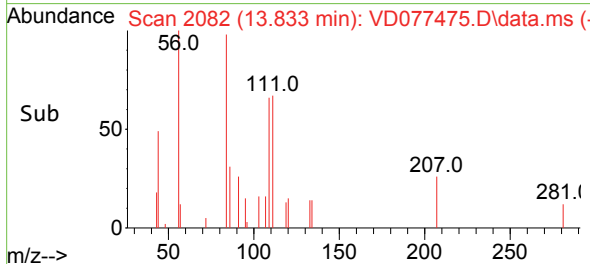
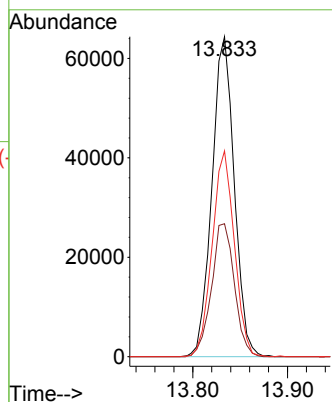
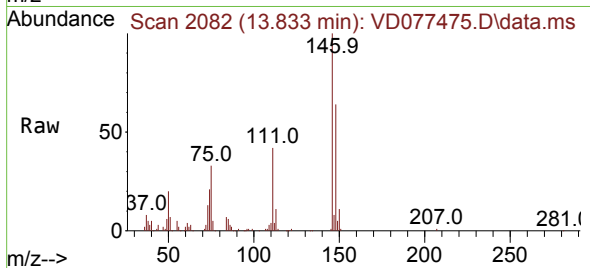
Tgt Ion:146 Resp: 105323

Ion Ratio Lower Upper

146 100

111 42.7 18.3 54.8

148 64.0 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.739 ug/l

RT: 14.451 min Scan# 2187

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

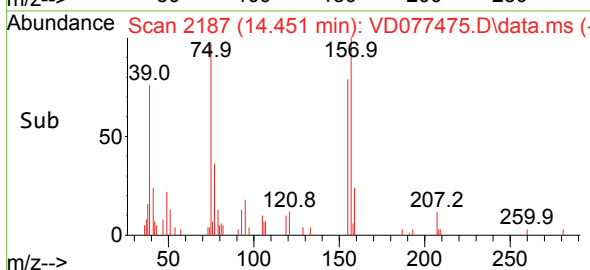
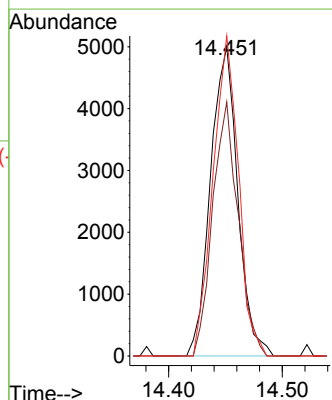
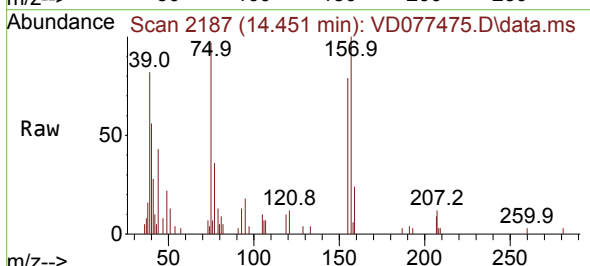
Tgt Ion: 75 Resp: 8347

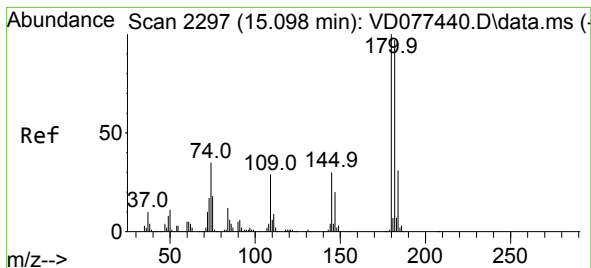
Ion Ratio Lower Upper

75 100

155 77.1 47.9 143.8

157 96.5 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 18.172 ug/l

RT: 15.104 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

Instrument :

MSVOA\_D

ClientSampleId :

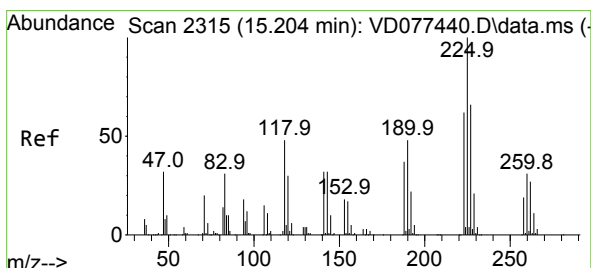
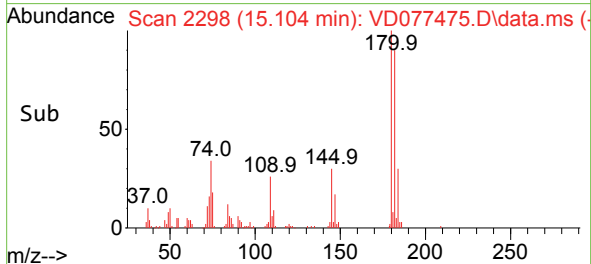
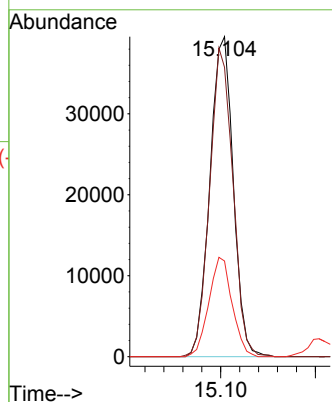
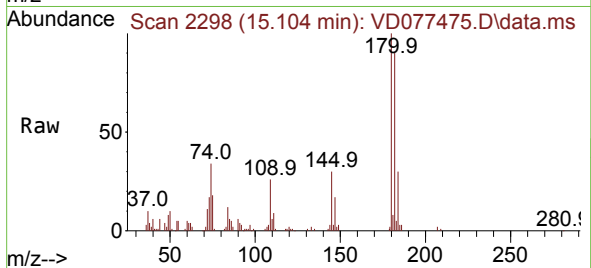
Tgt Ion:180 Resp: 67637

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.6

145 31.0 14.2 42.6



#94

Hexachlorobutadiene

Concen: 19.873 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. -0.000 min

Lab File: VD077475.D

Acq: 01 Nov 2023 12:29

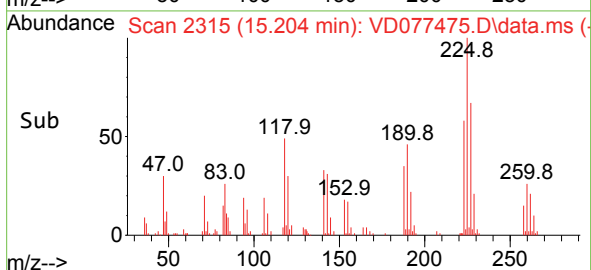
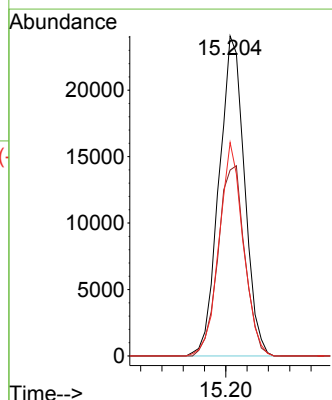
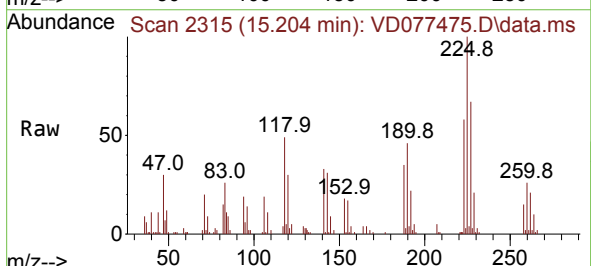
Tgt Ion:225 Resp: 39899

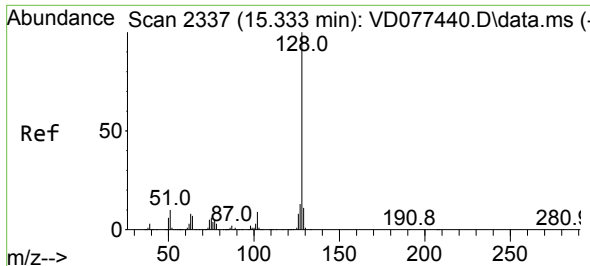
Ion Ratio Lower Upper

225 100

223 62.2 31.6 94.8

227 63.2 31.7 95.1

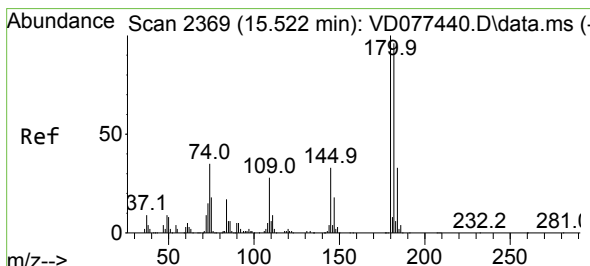
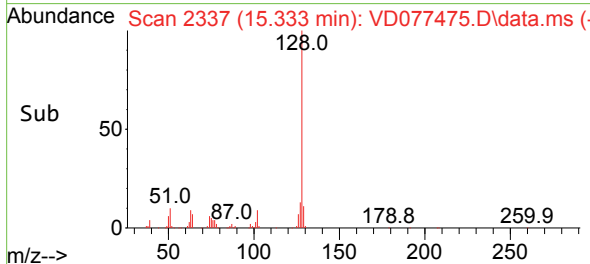
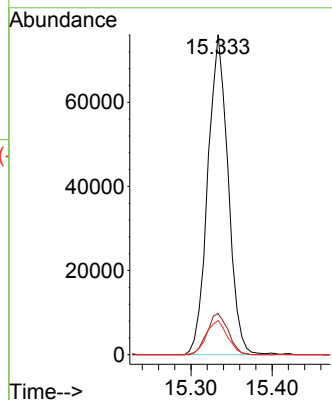
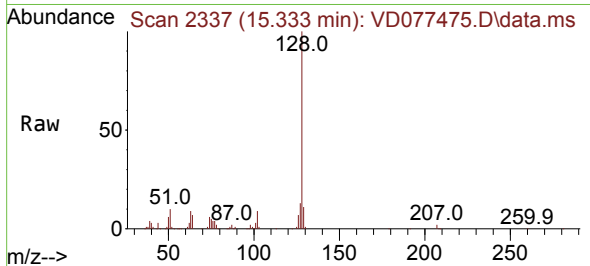




#95  
Naphthalene  
Concen: 18.598 ug/l  
RT: 15.333 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 132056  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.5 15.7  
129 10.7 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 18.591 ug/l  
RT: 15.527 min Scan# 2370  
Delta R.T. 0.006 min  
Lab File: VD077475.D  
Acq: 01 Nov 2023 12:29

Tgt Ion:180 Resp: 59729  
Ion Ratio Lower Upper  
180 100  
182 95.9 47.3 141.9  
145 32.9 15.1 45.3

