

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102023\  
 Data File : VD077359.D  
 Acq On : 20 Oct 2023 10:41  
 Operator : JC/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 21 05:26:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 18 03:02:43 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 186906   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 282202   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 333469   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 152229   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 91982    | 55.113   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 110.220% |      |
| 35) Dibromofluoromethane    | 7.805  | 113   | 106530   | 53.733   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 107.460% |      |
| 50) Toluene-d8              | 10.269 | 98    | 373454   | 52.597   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 105.200% |      |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 111954   | 54.775   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 109.560% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 88714  | 51.054  | ug/l   | 98  |
| 3) Chloromethane             | 2.152 | 50  | 166243 | 46.981  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.287 | 62  | 199350 | 47.694  | ug/l   | 96  |
| 5) Bromomethane              | 2.693 | 94  | 129448 | 48.193  | ug/l   | 99  |
| 6) Chloroethane              | 2.840 | 64  | 143945 | 48.988  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.181 | 101 | 189560 | 44.706  | ug/l   | 93  |
| 8) Diethyl Ether             | 3.593 | 74  | 54861  | 48.274  | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 3.970 | 101 | 102172 | 46.576  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.164 | 142 | 93733  | 34.920  | ug/l   | 91  |
| 11) Tert butyl alcohol       | 5.052 | 59  | 24476  | 260.702 | ug/l # | 84  |
| 12) 1,1-Dichloroethene       | 3.940 | 96  | 94764  | 44.035  | ug/l   | 96  |
| 13) Acrolein                 | 3.799 | 56  | 38908  | 238.735 | ug/l   | 95  |
| 14) Allyl chloride           | 4.564 | 41  | 91170  | 44.650  | ug/l   | 97  |
| 15) Acrylonitrile            | 5.258 | 53  | 104577 | 303.656 | ug/l   | 100 |
| 16) Acetone                  | 4.022 | 43  | 100922 | 275.756 | ug/l   | 93  |
| 17) Carbon Disulfide         | 4.270 | 76  | 270106 | 42.696  | ug/l   | 100 |
| 18) Methyl Acetate           | 4.564 | 43  | 72923  | 57.251  | ug/l   | 96  |
| 19) Methyl tert-butyl Ether  | 5.322 | 73  | 196206 | 53.528  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.805 | 84  | 108748 | 48.999  | ug/l   | 93  |
| 21) trans-1,2-Dichloroethene | 5.311 | 96  | 102402 | 45.750  | ug/l   | 95  |
| 22) Diisopropyl ether        | 6.216 | 45  | 245135 | 61.157  | ug/l   | 96  |
| 23) Vinyl Acetate            | 6.158 | 43  | 609921 | 324.701 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.111 | 63  | 179115 | 53.746  | ug/l   | 98  |
| 25) 2-Butanone               | 7.081 | 43  | 120122 | 316.406 | ug/l   | 91  |
| 26) 2,2-Dichloropropane      | 7.081 | 77  | 134162 | 44.151  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.081 | 96  | 113722 | 45.313  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.428 | 49  | 71959  | 59.110  | ug/l   | 91  |
| 29) Tetrahydrofuran          | 7.446 | 42  | 74168  | 338.669 | ug/l   | 97  |
| 30) Chloroform               | 7.599 | 83  | 184410 | 48.229  | ug/l   | 97  |
| 31) Cyclohexane              | 7.875 | 56  | 126672 | 48.783  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 7.799 | 97  | 155475 | 47.132  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 8.011 | 75  | 134249 | 51.533  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.169 | 43  | 53907  | 65.876  | ug/l   | 95  |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 144291 | 49.790  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.275 | 83  | 146075 | 46.147  | ug/l   | 95  |
| 40) Benzene                  | 8.252 | 78  | 406145 | 51.374  | ug/l   | 99  |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 21 05:26:06 2023  
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 Quant Title : SW846 8260  
 QLast Update : Wed Oct 18 03:02:43 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 26944    | 68.993   | ug/l # | 91       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 103343   | 55.497   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.358  | 43   | 95866    | 65.075   | ug/l   | 97       |
| 44) Trichloroethene           | 9.028  | 130  | 102889   | 44.514   | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.310  | 63   | 100601   | 55.203   | ug/l   | 99       |
| 46) Dibromomethane            | 9.393  | 93   | 63021    | 55.315   | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.581  | 83   | 139317   | 51.282   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.381  | 41   | 42833    | 64.272   | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 13386    | 1188.824 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 269810   | 365.365  | ug/l   | 95       |
| 52) Toluene                   | 10.334 | 92   | 261521   | 50.665   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 133114   | 54.587   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 155666   | 52.173   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 86661    | 54.919   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 89814    | 59.556   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 136924   | 56.487   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 221931   | 297.583  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.922 | 43   | 193430   | 364.702  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.075 | 129  | 106506   | 52.859   | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 96677    | 65.017   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 88547    | 35.725   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.610 | 112  | 314477   | 43.265   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 141176   | 51.095   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.687 | 91   | 611453   | 50.747   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.793 | 106  | 502929   | 101.646  | ug/l   | 98       |
| 69) o-Xylene                  | 12.122 | 106  | 204666   | 44.934   | ug/l   | 97       |
| 70) Styrene                   | 12.134 | 104  | 363508   | 46.777   | ug/l   | 99       |
| 71) Bromoform                 | 12.299 | 173  | 64303    | 42.454   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.422 | 105  | 451387   | 44.829   | ug/l   | 97       |
| 74) N-amyl acetate            | 12.234 | 43   | 87159    | 60.171   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 102754   | 56.158   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 117290   | 56.385   | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 116435   | 44.046   | ug/l   | 94       |
| 78) n-propylbenzene           | 12.763 | 91   | 573758   | 47.314   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 311029   | 47.090   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 388736   | 46.784   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 32951    | 58.000   | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 336627   | 48.952   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 324310   | 44.023   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 397347   | 47.496   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.346 | 105  | 509391   | 45.951   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 432435   | 44.902   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 244169   | 43.890   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 239154   | 43.381   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.787 | 91   | 398603   | 47.533   | ug/l   | 97       |
| 90) Hexachloroethane          | 14.057 | 117  | 87431    | 44.912   | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 212588   | 45.237   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 13691    | 61.133   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 120835   | 41.269   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 61322    | 36.876   | ug/l   | 99       |
| 95) Naphthalene               | 15.334 | 128  | 245056   | 49.570   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 109811   | 43.208   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

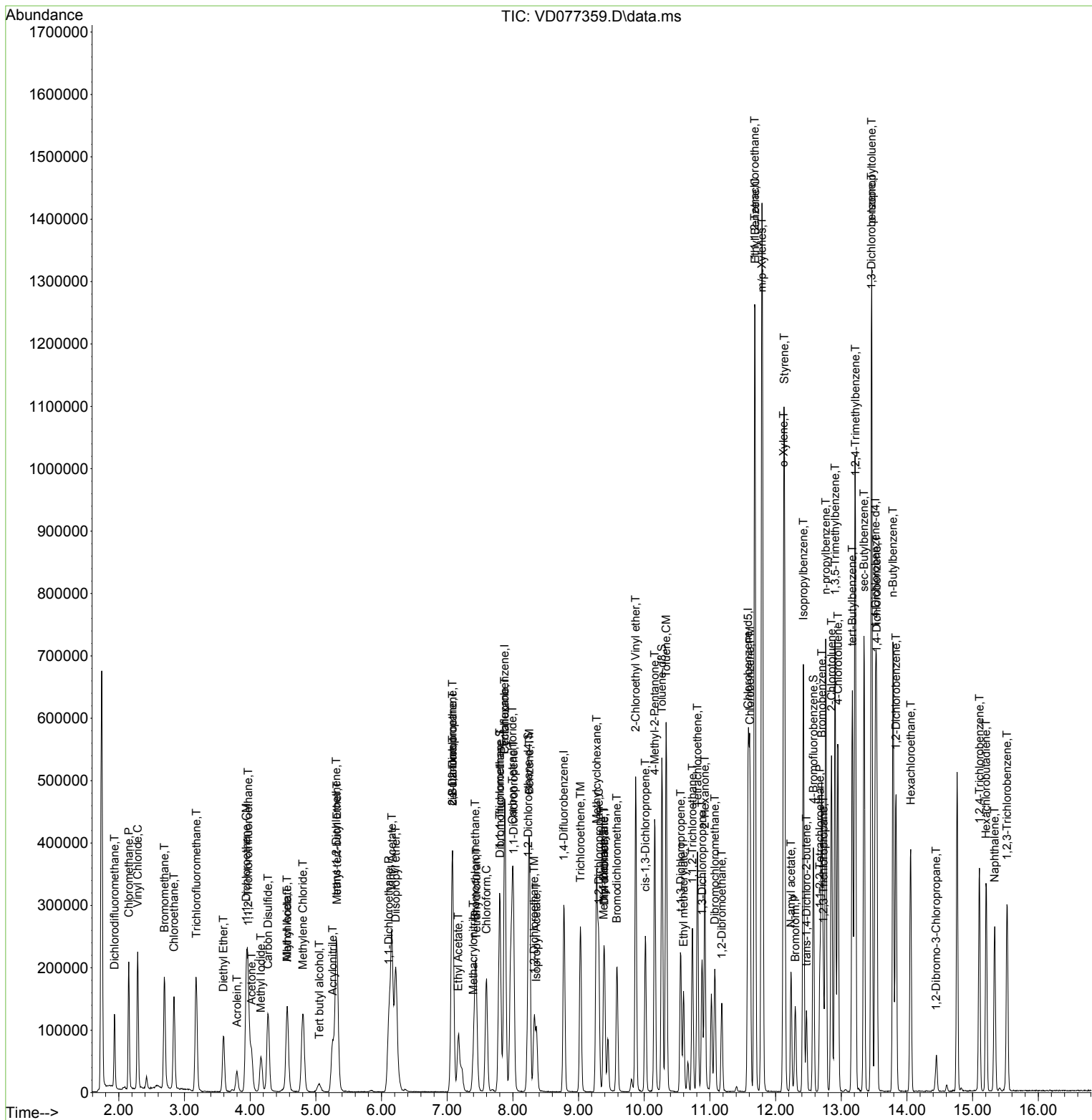
Instrument :  
MSVOA\_D  
ClientSampleId :

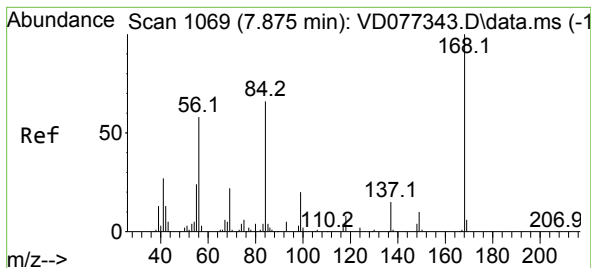
Quant Time: Oct 21 05:26:06 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 18 03:02:43 2023  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 18 03:02:43 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

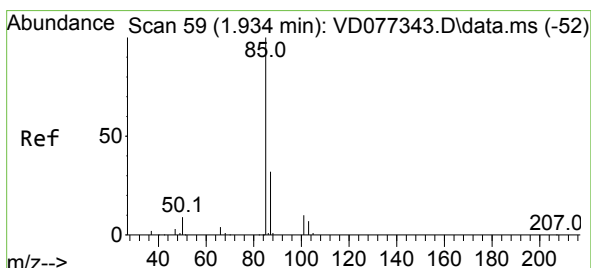
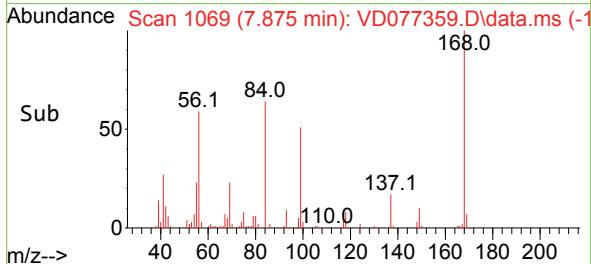
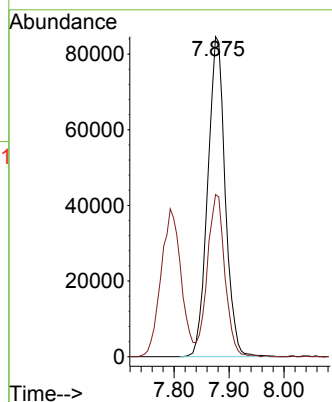
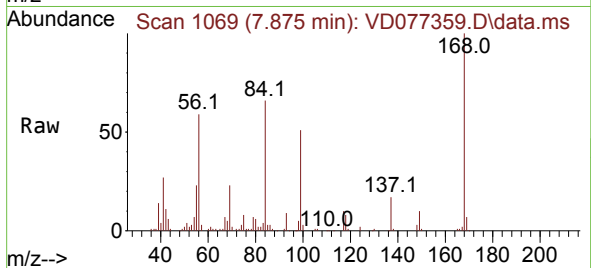
ClientSampleId :

Tgt Ion:168 Resp: 186906

Ion Ratio Lower Upper

168 100

99 50.7 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 51.054 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD077359.D

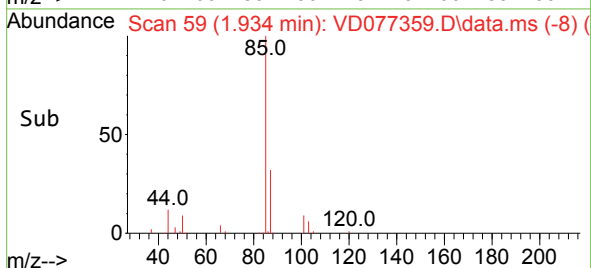
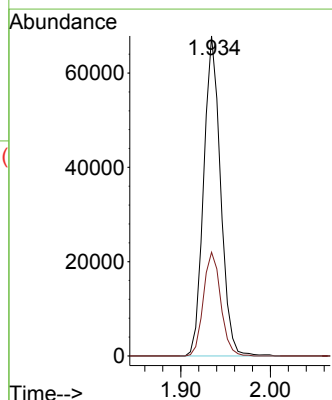
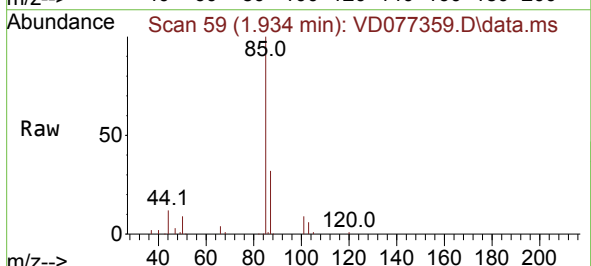
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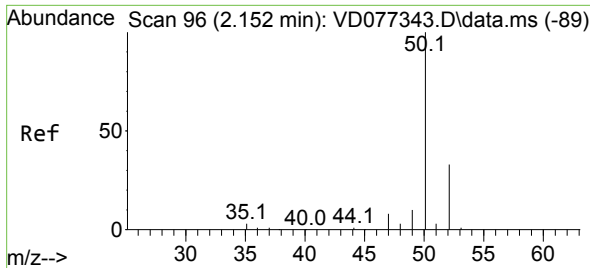
Tgt Ion: 85 Resp: 88714

Ion Ratio Lower Upper

85 100

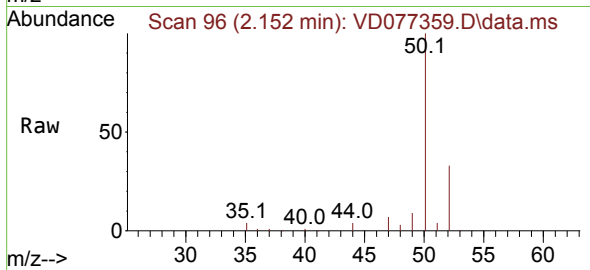
87 32.4 15.7 47.0



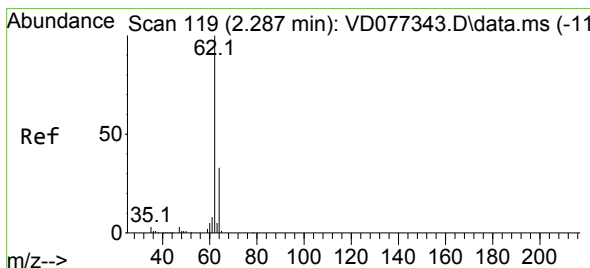
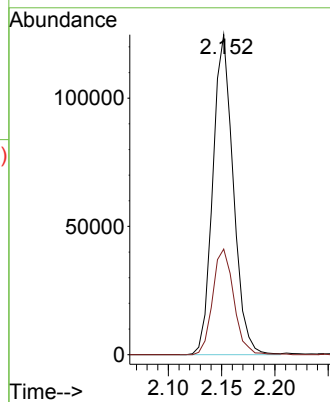
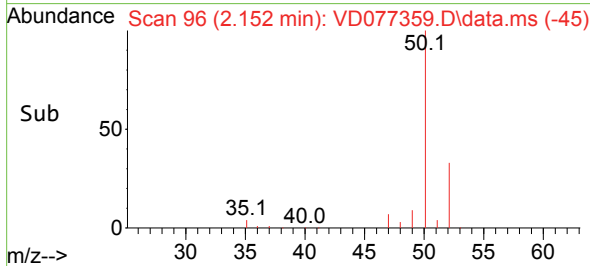


#3  
Chloromethane  
Concen: 46.981 ug/l  
RT: 2.152 min Scan# 96  
Delta R.T. -0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Instrument :  
MSVOA\_D  
ClientSampleId :

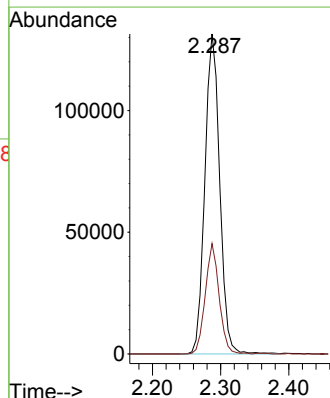
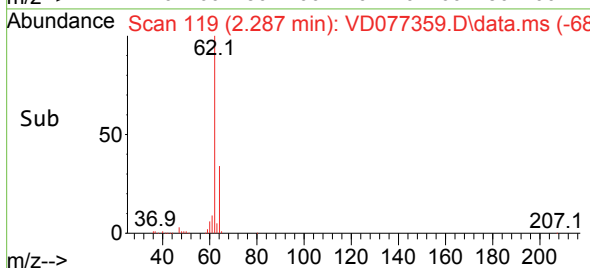
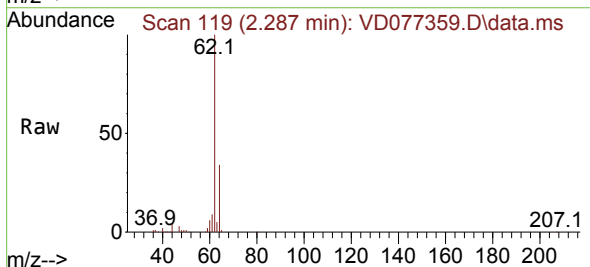


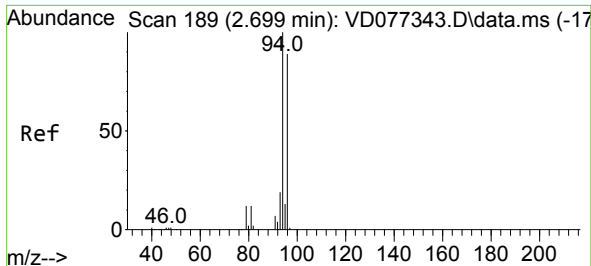
Tgt Ion: 50 Resp: 166243  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.6 40.0



#4  
Vinyl Chloride  
Concen: 47.694 ug/l  
RT: 2.287 min Scan# 119  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 62 Resp: 199350  
Ion Ratio Lower Upper  
62 100  
64 34.5 26.0 39.0

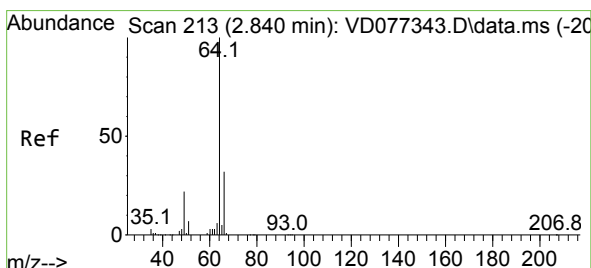
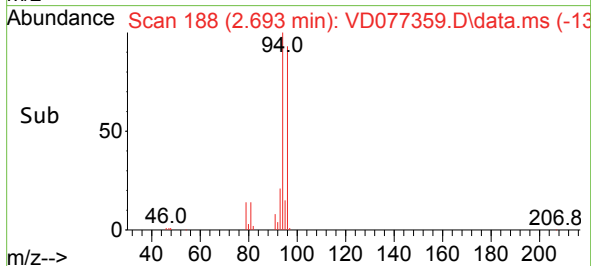
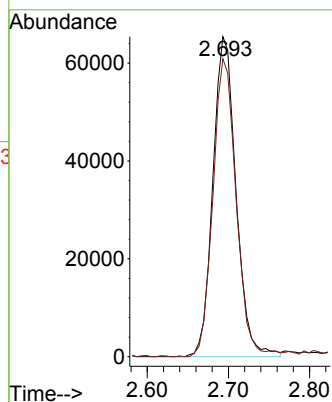
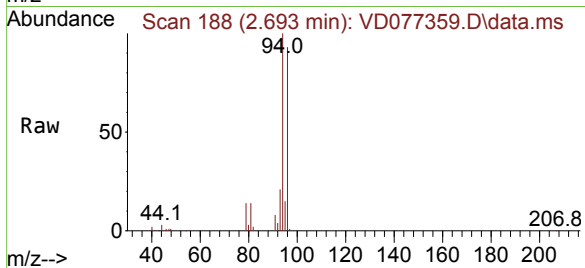




#5  
Bromomethane  
Concen: 48.193 ug/l  
RT: 2.693 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

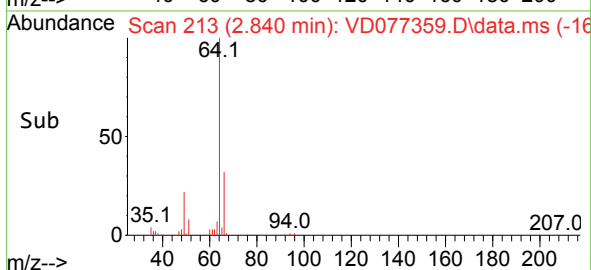
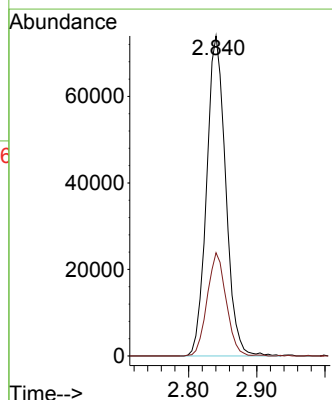
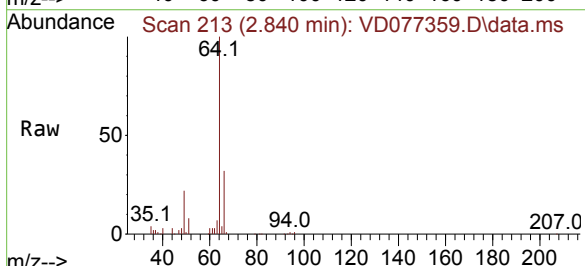
Instrument :  
MSVOA\_D  
ClientSampleId :

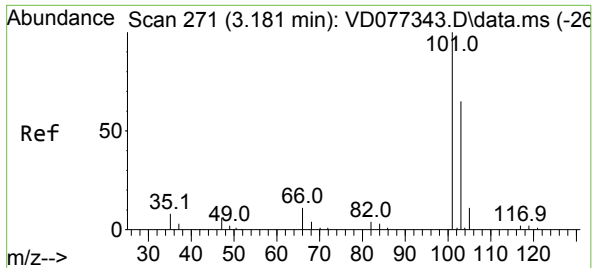
Tgt Ion: 94 Resp: 129448  
Ion Ratio Lower Upper  
94 100  
96 93.8 75.8 113.8



#6  
Chloroethane  
Concen: 48.988 ug/l  
RT: 2.840 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 64 Resp: 143945  
Ion Ratio Lower Upper  
64 100  
66 32.3 25.5 38.3

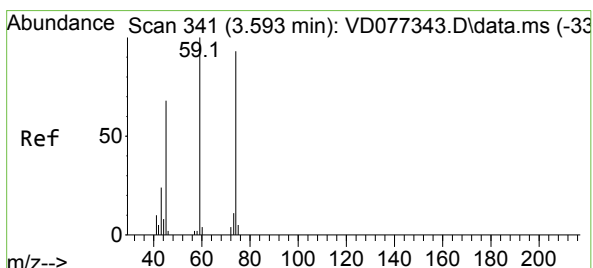
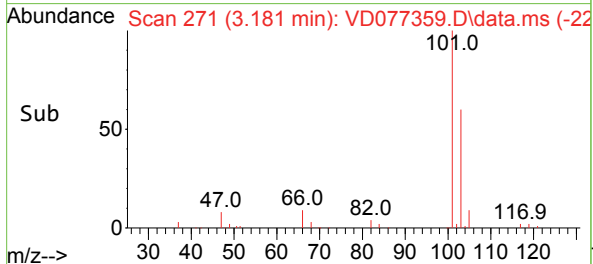
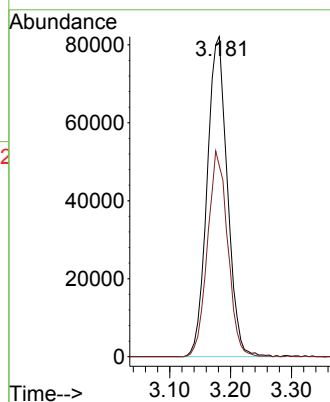
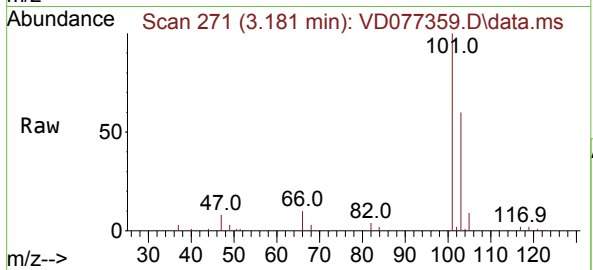




#7  
 Trichlorofluoromethane  
 Concen: 44.706 ug/l  
 RT: 3.181 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD077359.D  
 Acq: 20 Oct 2023 10:41

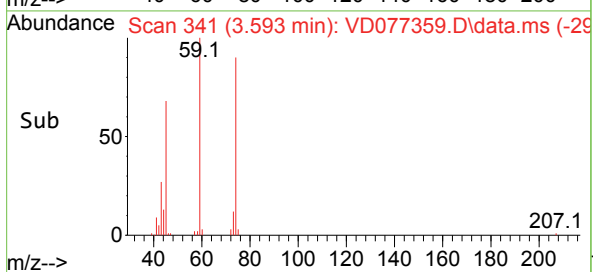
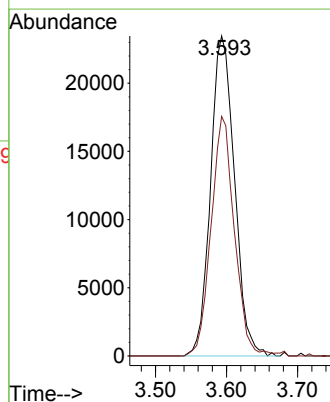
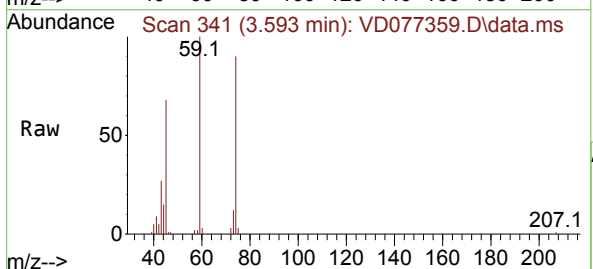
Instrument :  
 MSVOA\_D  
 ClientSampleId :

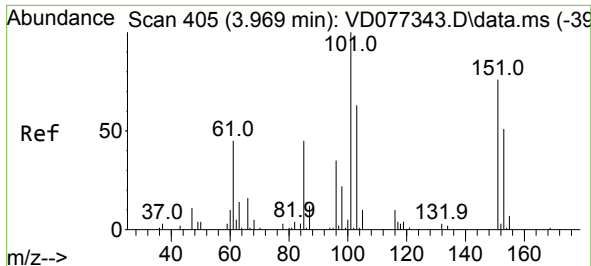
Tgt Ion:101 Resp: 189560  
 Ion Ratio Lower Upper  
 101 100  
 103 59.7 52.3 78.5



#8  
 Diethyl Ether  
 Concen: 48.274 ug/l  
 RT: 3.593 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VD077359.D  
 Acq: 20 Oct 2023 10:41

Tgt Ion: 74 Resp: 54861  
 Ion Ratio Lower Upper  
 74 100  
 45 72.8 37.5 112.7

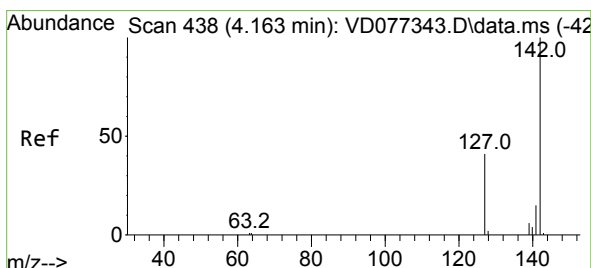
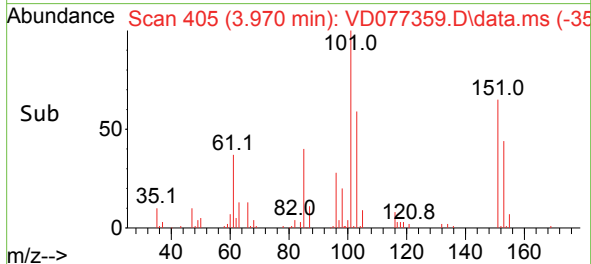
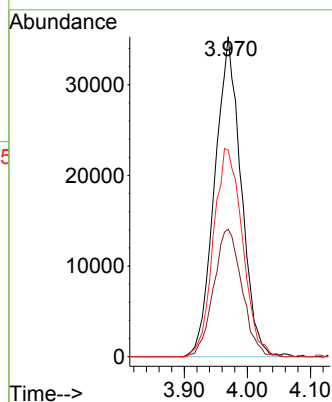
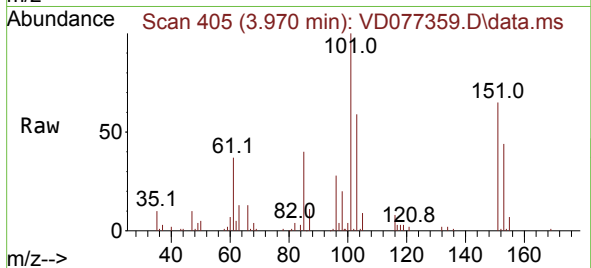




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 46.576 ug/l  
RT: 3.970 min Scan# 405  
Delta R.T. 0.001 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

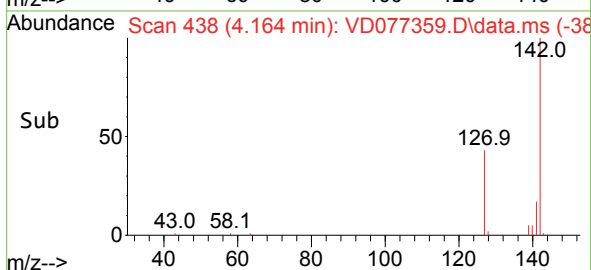
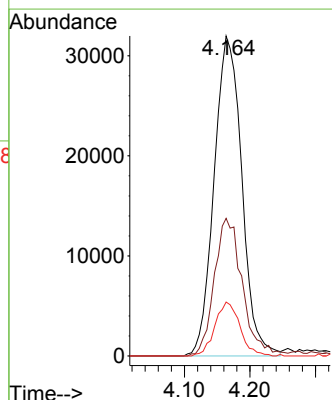
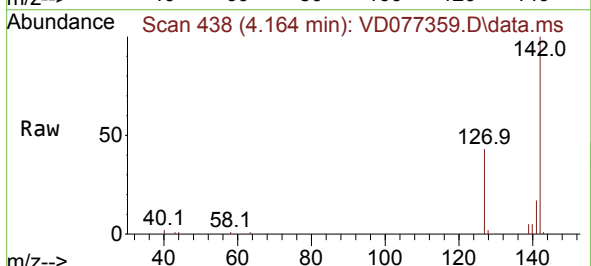
Instrument :  
MSVOA\_D  
ClientSampleId :

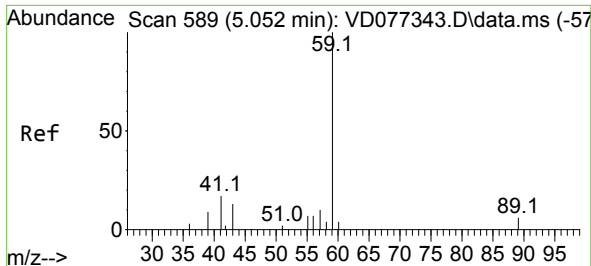
Tgt Ion:101 Resp: 102172  
Ion Ratio Lower Upper  
101 100  
85 43.0 33.8 50.6  
151 71.7 59.8 89.6



#10  
Methyl Iodide  
Concen: 34.920 ug/l  
RT: 4.164 min Scan# 438  
Delta R.T. 0.001 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

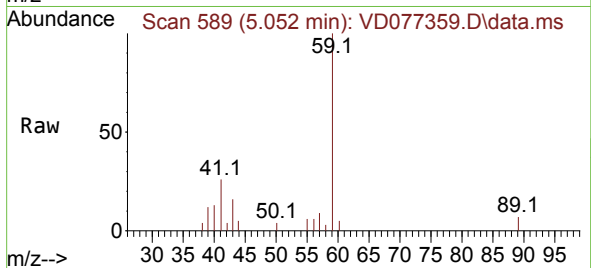
Tgt Ion:142 Resp: 93733  
Ion Ratio Lower Upper  
142 100  
127 43.6 29.4 44.0  
141 15.2 11.1 16.7



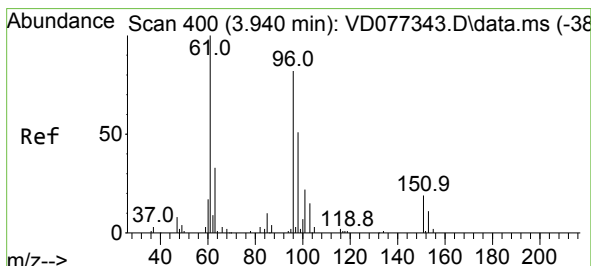
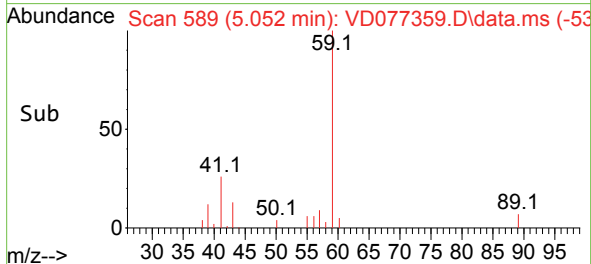
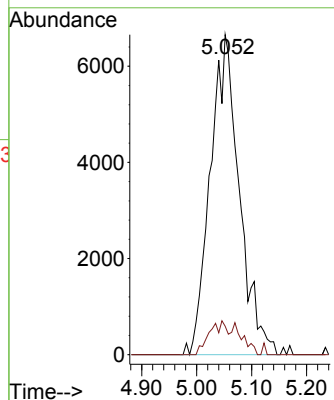


#11  
Tert butyl alcohol  
Concen: 260.702 ug/l  
RT: 5.052 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Instrument :  
MSVOA\_D  
ClientSampleId :

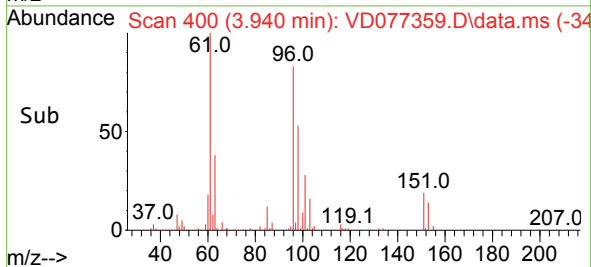
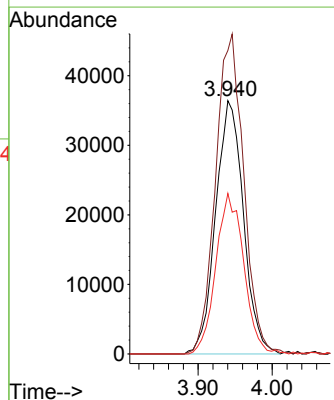
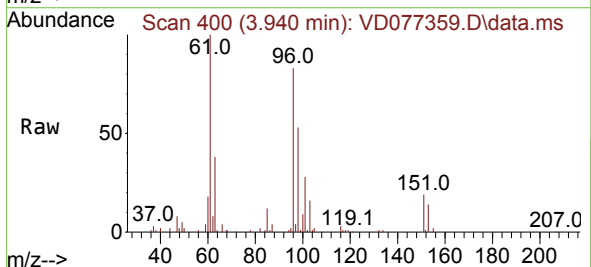


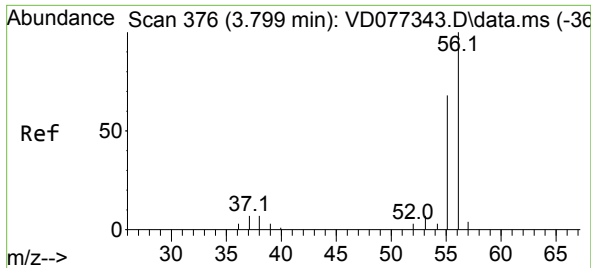
Tgt Ion: 59 Resp: 24476  
Ion Ratio Lower Upper  
59 100  
57 4.0 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 44.035 ug/l  
RT: 3.940 min Scan# 400  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 96 Resp: 94764  
Ion Ratio Lower Upper  
96 100  
61 119.8 100.6 150.8  
98 63.3 50.2 75.2





#13

Acrolein

Concen: 238.735 ug/l

RT: 3.799 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

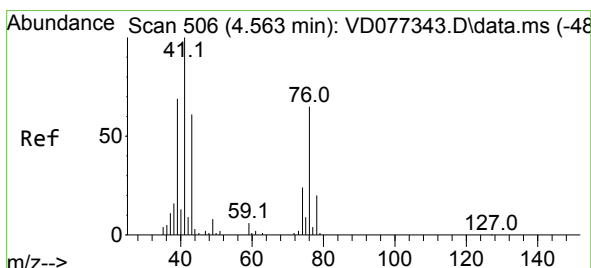
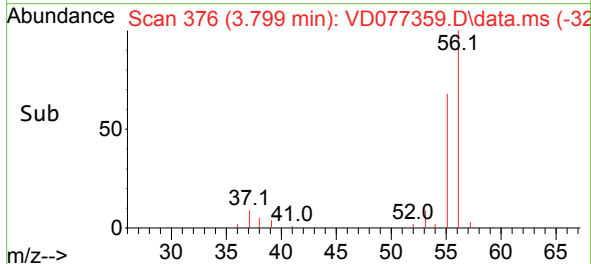
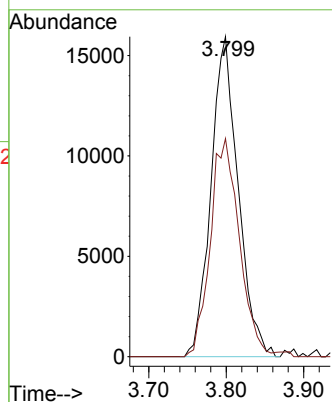
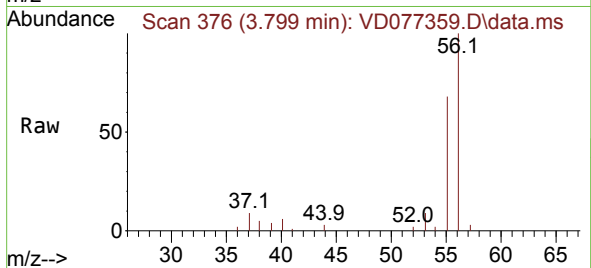
ClientSampleId :

Tgt Ion: 56 Resp: 38908

Ion Ratio Lower Upper

56 100

55 72.7 55.1 82.7



#14

Allyl chloride

Concen: 44.650 ug/l

RT: 4.564 min Scan# 506

Delta R.T. 0.001 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

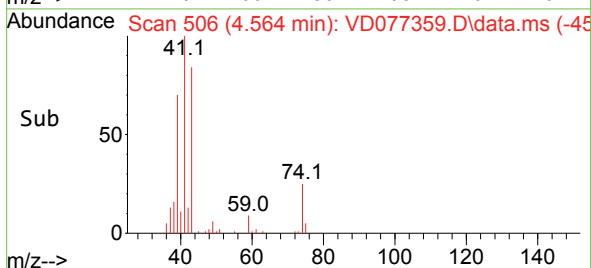
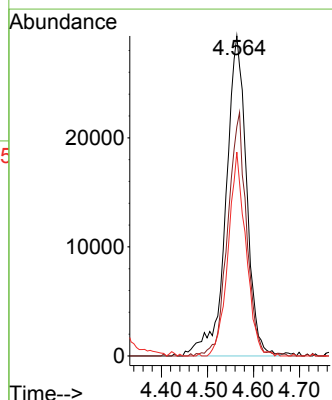
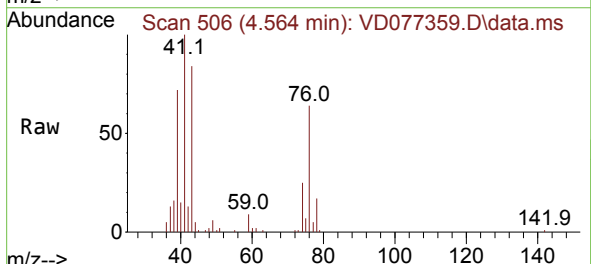
Tgt Ion: 41 Resp: 91170

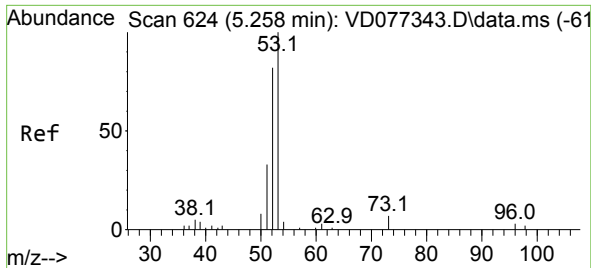
Ion Ratio Lower Upper

41 100

39 69.4 53.8 80.6

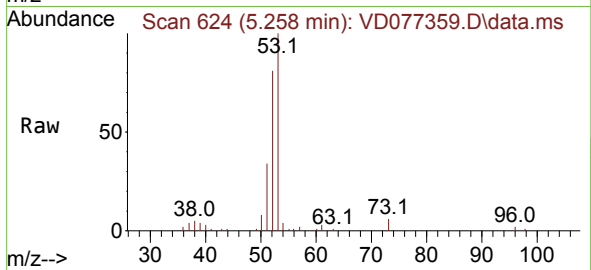
76 55.0 45.8 68.8



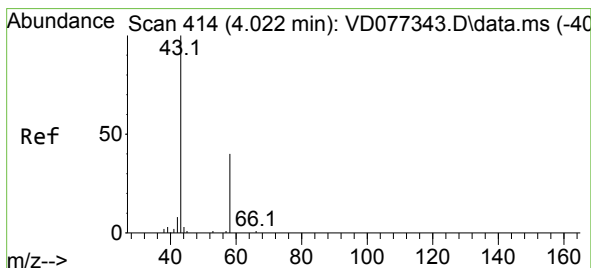
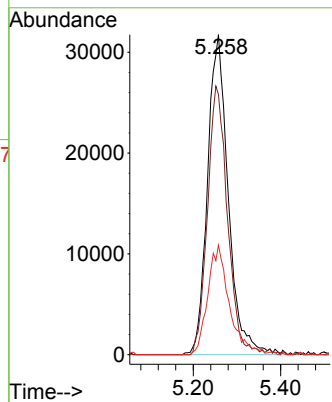
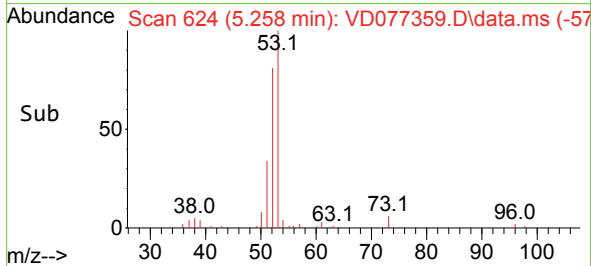


#15  
Acrylonitrile  
Concen: 303.656 ug/l  
RT: 5.258 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Instrument :  
MSVOA\_D  
ClientSampleId :

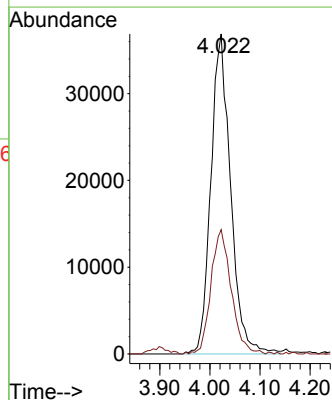
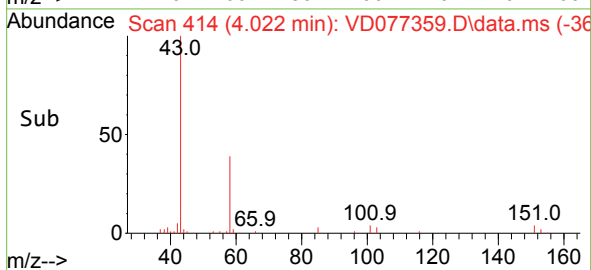
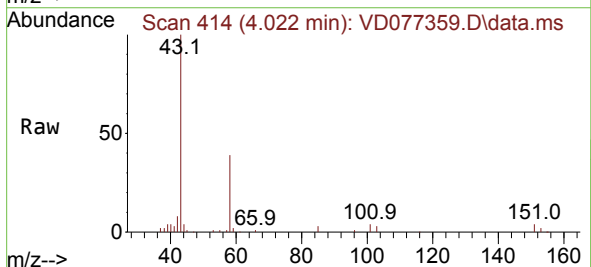


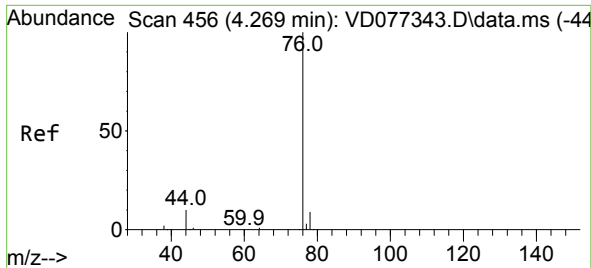
Tgt Ion: 53 Resp: 104577  
Ion Ratio Lower Upper  
53 100  
52 80.9 65.0 97.4  
51 35.6 28.3 42.5



#16  
Acetone  
Concen: 275.756 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 43 Resp: 100922  
Ion Ratio Lower Upper  
43 100  
58 38.8 34.7 52.1

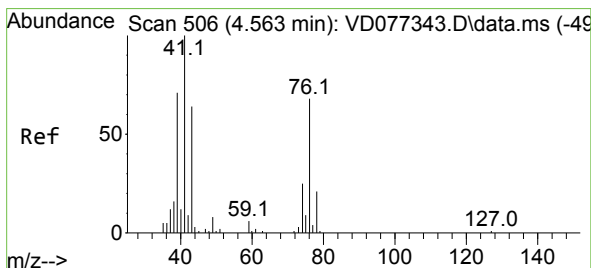
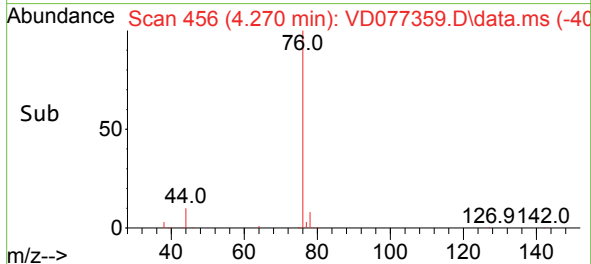
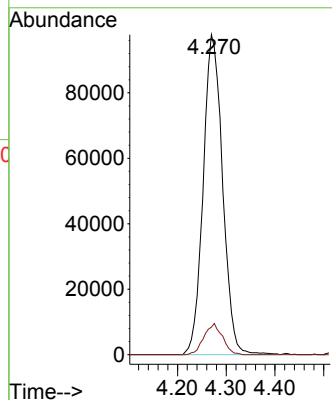
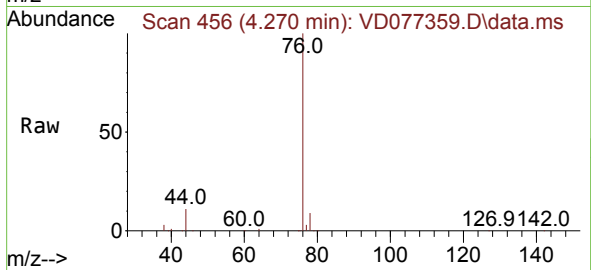




#17  
Carbon Disulfide  
Concen: 42.696 ug/l  
RT: 4.270 min Scan# 456  
Delta R.T. 0.001 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

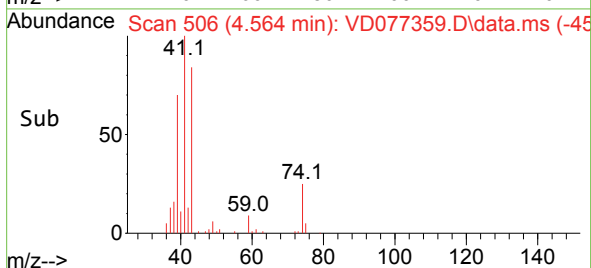
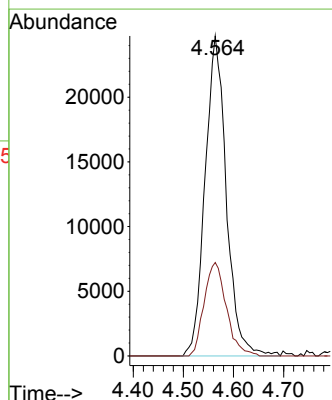
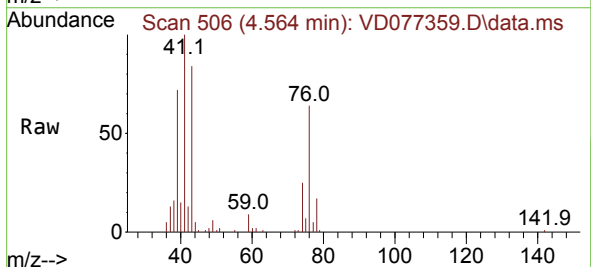
Instrument :  
MSVOA\_D  
ClientSampleId :

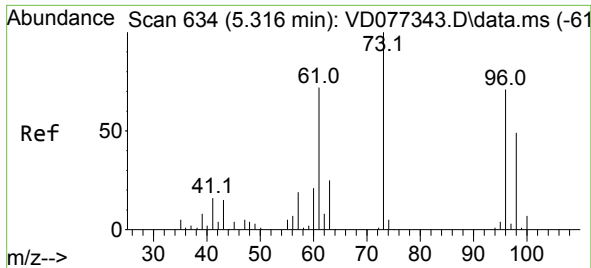
Tgt Ion: 76 Resp: 270106  
Ion Ratio Lower Upper  
76 100  
78 8.6 6.8 10.2



#18  
Methyl Acetate  
Concen: 57.251 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. 0.001 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 43 Resp: 72923  
Ion Ratio Lower Upper  
43 100  
74 30.5 26.4 39.6

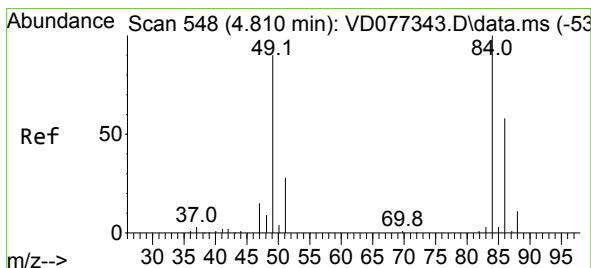
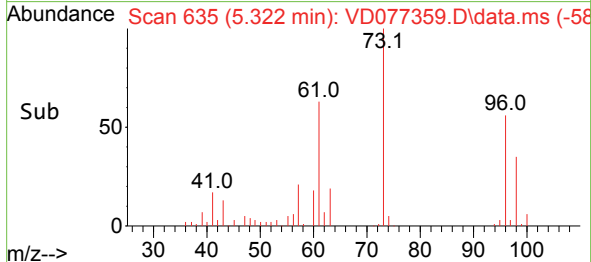
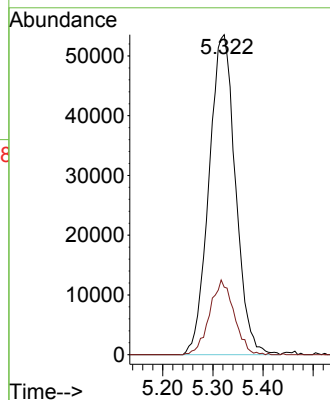
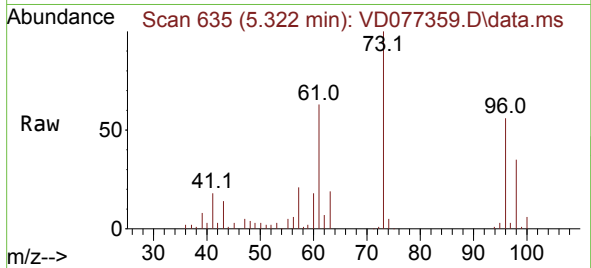




#19  
Methyl tert-butyl Ether  
Concen: 53.528 ug/l  
RT: 5.322 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

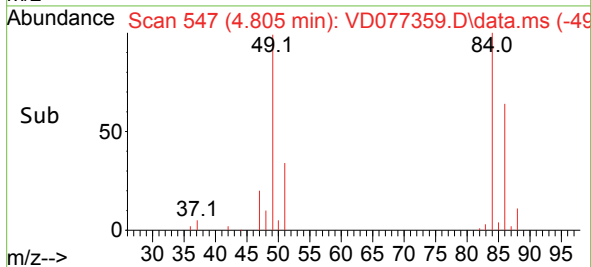
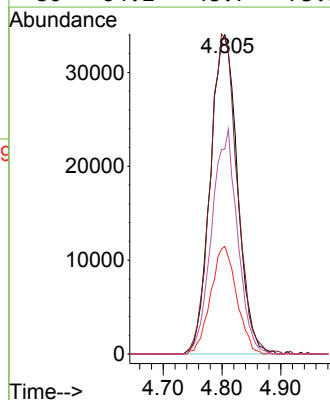
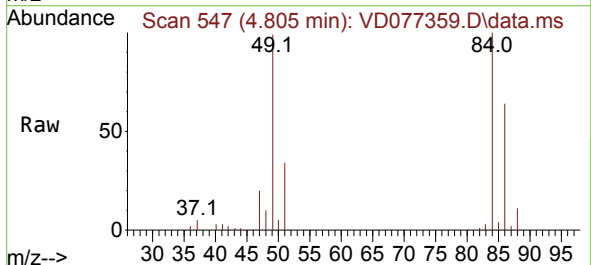
Instrument :  
MSVOA\_D  
ClientSampleId :

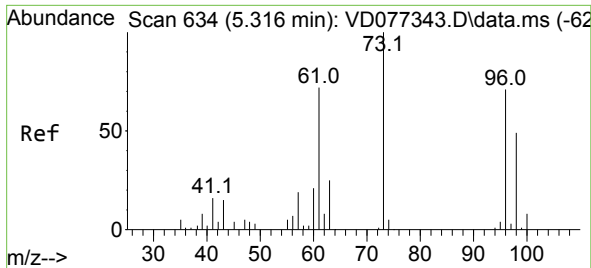
Tgt Ion: 73 Resp: 196206  
Ion Ratio Lower Upper  
73 100  
57 21.1 16.6 25.0



#20  
Methylene Chloride  
Concen: 48.999 ug/l  
RT: 4.805 min Scan# 547  
Delta R.T. -0.005 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

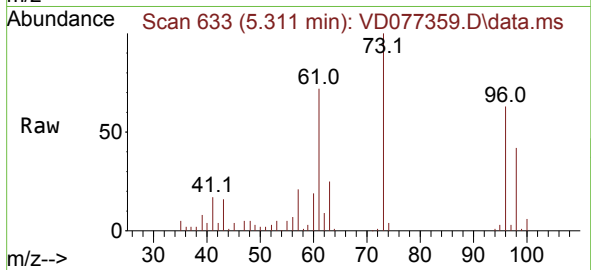
Tgt Ion: 84 Resp: 108748  
Ion Ratio Lower Upper  
84 100  
49 98.9 71.4 107.2  
51 33.7 24.5 36.7  
86 64.2 48.7 73.1



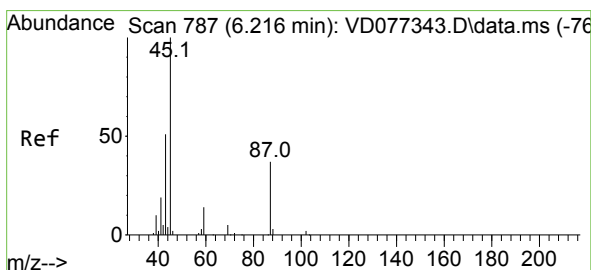
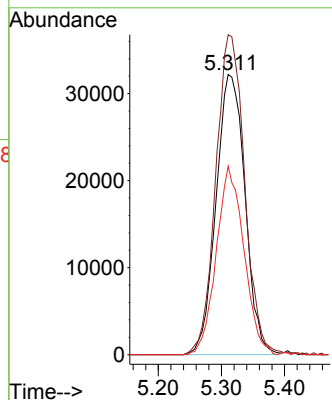
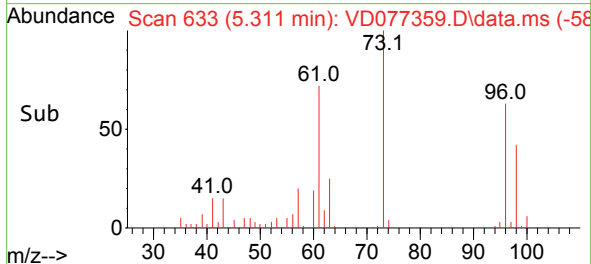


#21  
trans-1,2-Dichloroethene  
Concen: 45.750 ug/l  
RT: 5.311 min Scan# 611  
Delta R.T. -0.005 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Instrument :  
MSVOA\_D  
ClientSampleId :

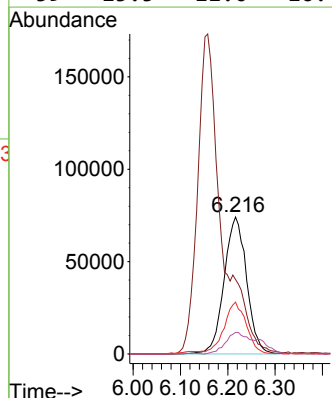
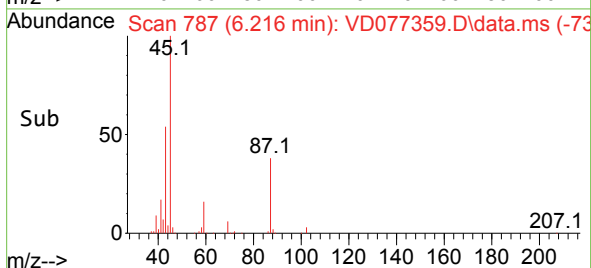
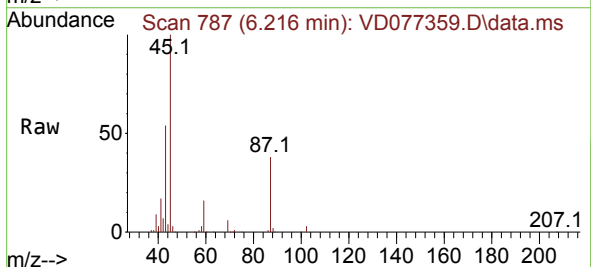


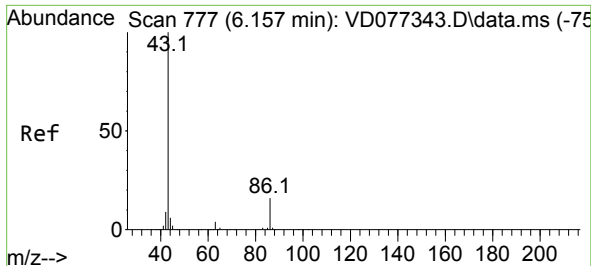
Tgt Ion: 96 Resp: 102402  
Ion Ratio Lower Upper  
96 100  
61 114.2 89.3 133.9  
98 67.3 48.6 73.0



#22  
Diisopropyl ether  
Concen: 61.157 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 45 Resp: 245135  
Ion Ratio Lower Upper  
45 100  
43 53.2 40.0 60.0  
87 37.5 28.2 42.4  
59 15.5 11.0 16.4

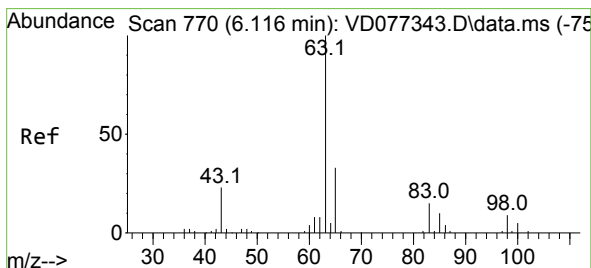
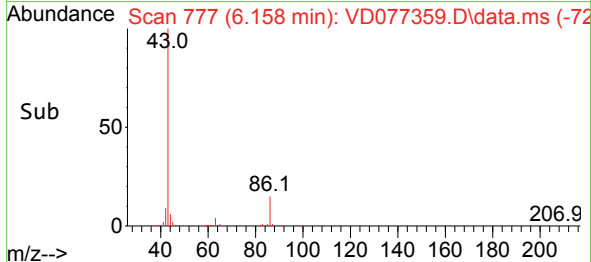
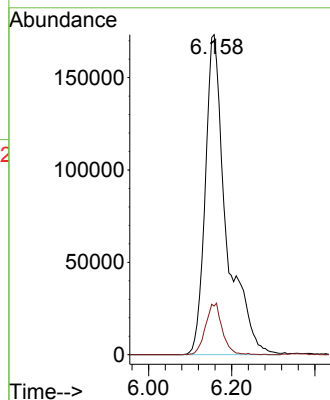
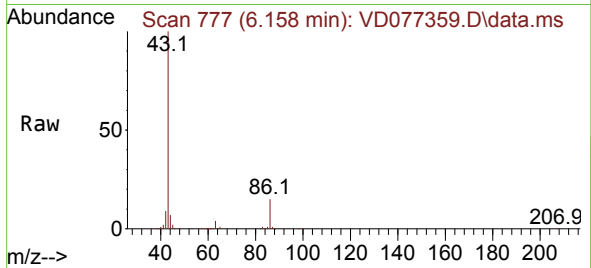




#23  
 Vinyl Acetate  
 Concen: 324.701 ug/l  
 RT: 6.158 min Scan# 71  
 Delta R.T. 0.001 min  
 Lab File: VD077359.D  
 Acq: 20 Oct 2023 10:41

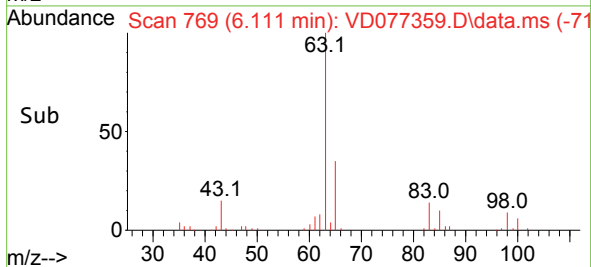
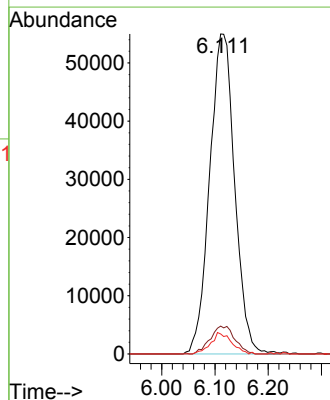
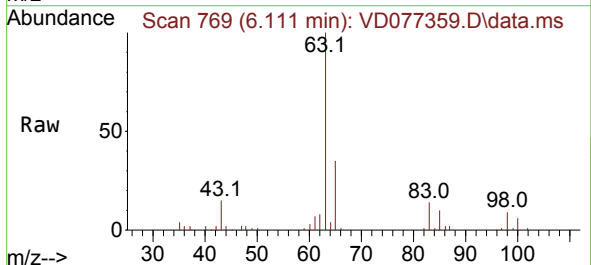
Instrument :  
 MSVOA\_D  
 ClientSampleId :

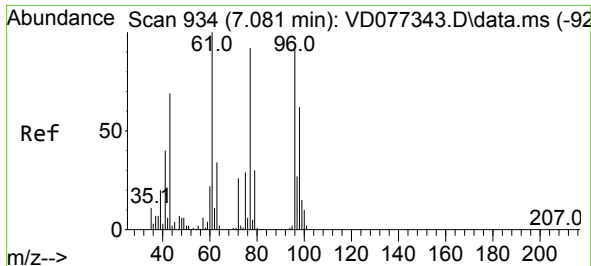
Tgt Ion: 43 Resp: 609921  
 Ion Ratio Lower Upper  
 43 100  
 86 15.2 12.5 18.7



#24  
 1,1-Dichloroethane  
 Concen: 53.746 ug/l  
 RT: 6.111 min Scan# 769  
 Delta R.T. -0.005 min  
 Lab File: VD077359.D  
 Acq: 20 Oct 2023 10:41

Tgt Ion: 63 Resp: 179115  
 Ion Ratio Lower Upper  
 63 100  
 98 8.7 4.5 13.7  
 100 6.3 2.5 7.5

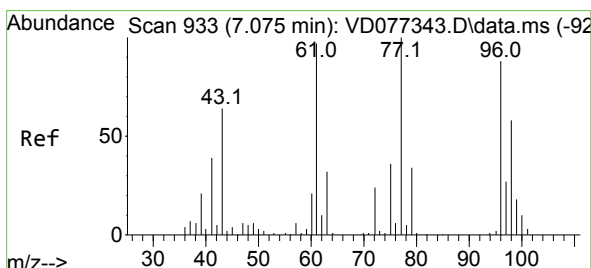
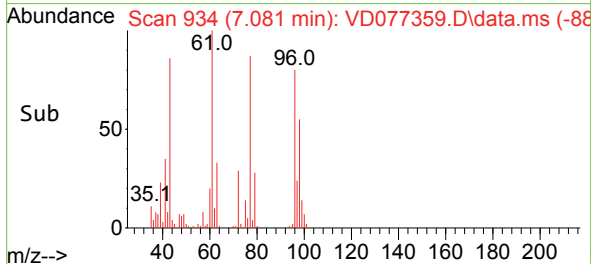
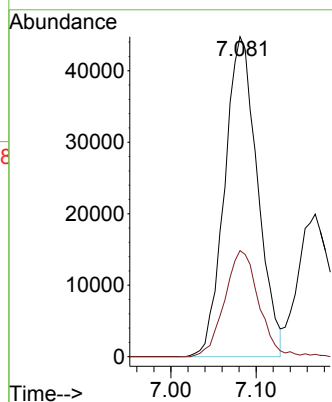
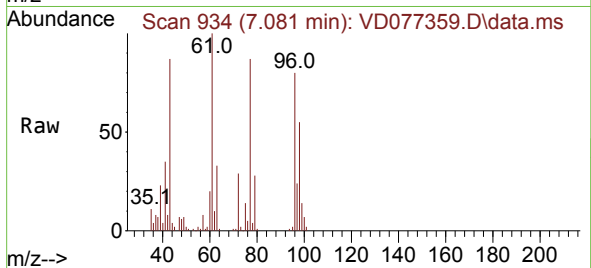




#25  
2-Butanone  
Concen: 316.406 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

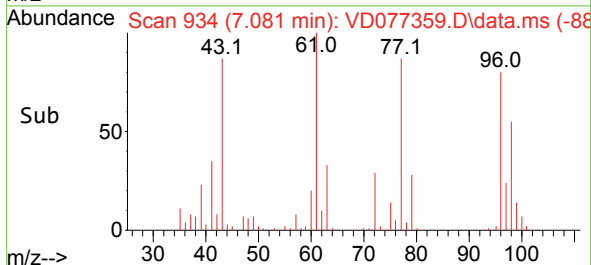
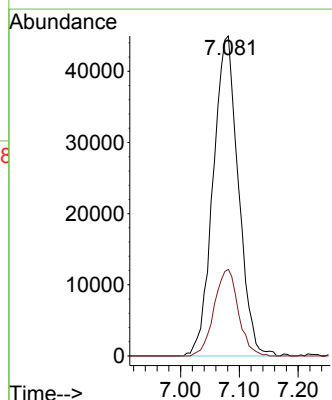
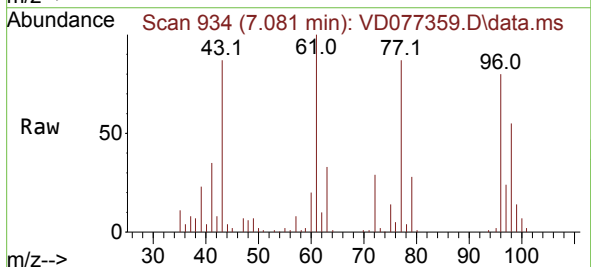
Instrument :  
MSVOA\_D  
ClientSampleId :

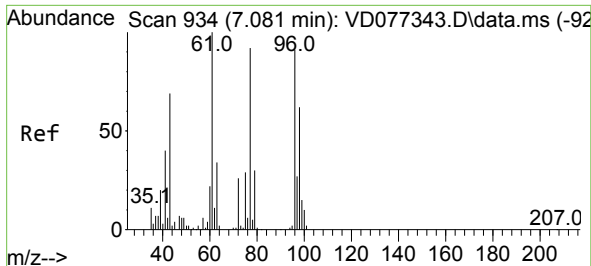
Tgt Ion: 43 Resp: 120122  
Ion Ratio Lower Upper  
43 100  
72 33.2 30.7 46.1



#26  
2,2-Dichloropropane  
Concen: 44.151 ug/l  
RT: 7.081 min Scan# 934  
Delta R.T. 0.006 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 77 Resp: 134162  
Ion Ratio Lower Upper  
77 100  
97 26.0 13.2 39.6





#27

cis-1,2-Dichloroethene

Concen: 45.313 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

ClientSampleId :

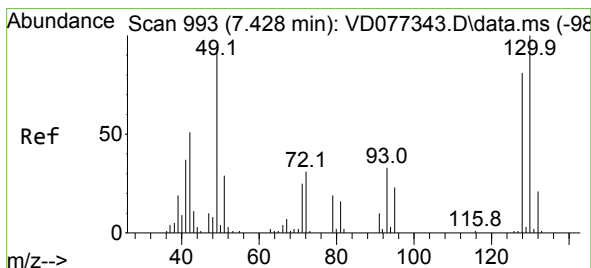
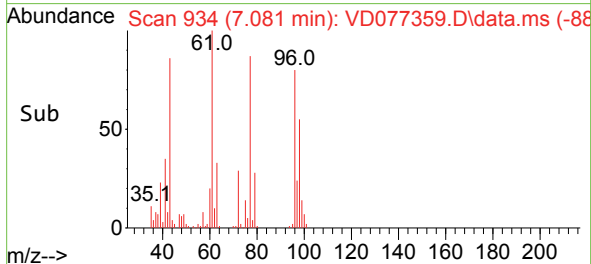
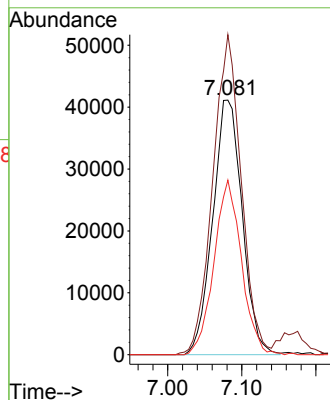
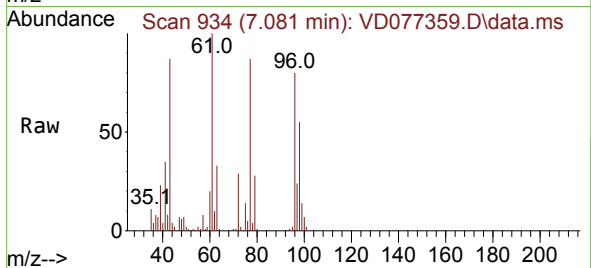
Tgt Ion: 96 Resp: 113722

Ion Ratio Lower Upper

96 100

61 121.1 0.0 239.2

98 63.9 0.0 128.6



#28

Bromochloromethane

Concen: 59.110 ug/l

RT: 7.428 min Scan# 993

Delta R.T. 0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

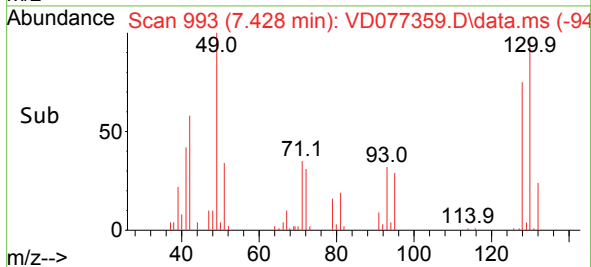
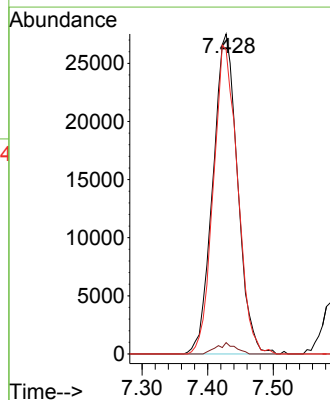
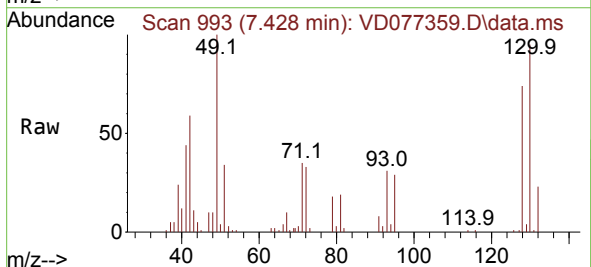
Tgt Ion: 49 Resp: 71959

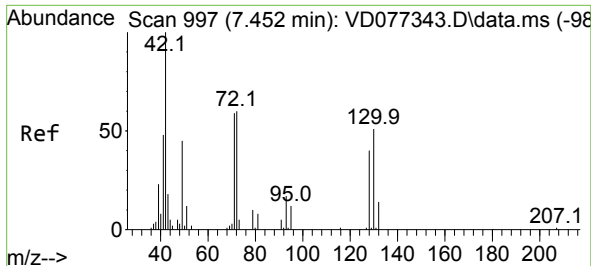
Ion Ratio Lower Upper

49 100

129 2.7 0.0 6.0

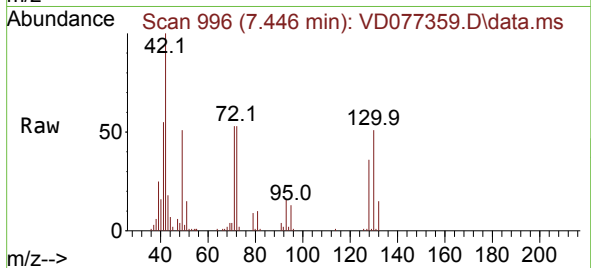
130 94.6 83.2 124.8



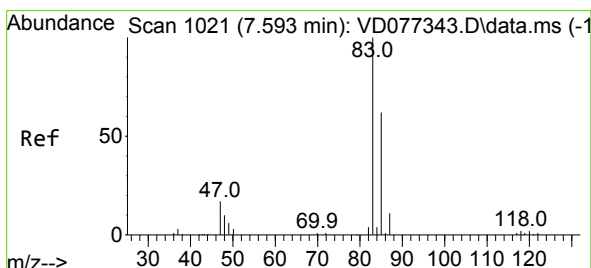
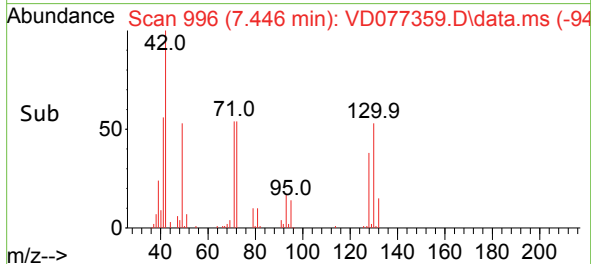
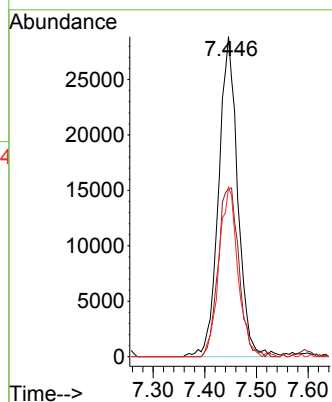


#29  
Tetrahydrofuran  
Concen: 338.669 ug/l  
RT: 7.446 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Instrument :  
MSVOA\_D  
ClientSampleId :

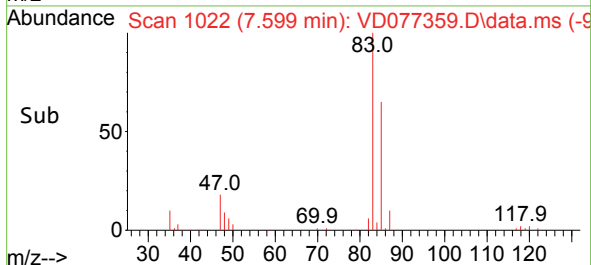
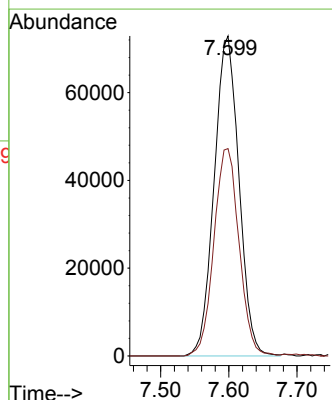
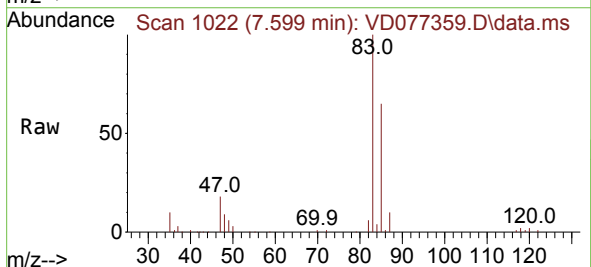


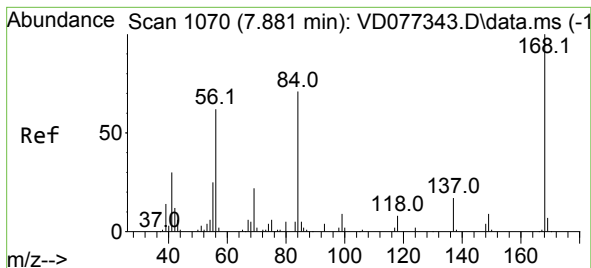
Tgt Ion: 42 Resp: 74168  
Ion Ratio Lower Upper  
42 100  
72 57.4 46.5 69.7  
71 52.4 44.5 66.7



#30  
Chloroform  
Concen: 48.229 ug/l  
RT: 7.599 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 83 Resp: 184410  
Ion Ratio Lower Upper  
83 100  
85 64.8 53.4 80.2





#31

Cyclohexane

Concen: 48.783 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

ClientSampleId :

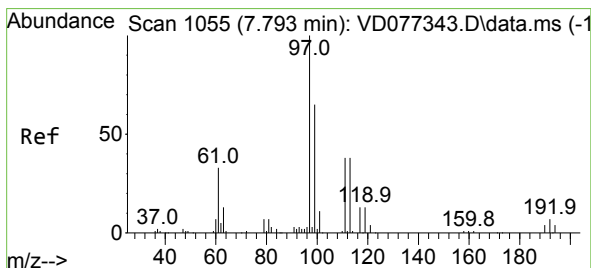
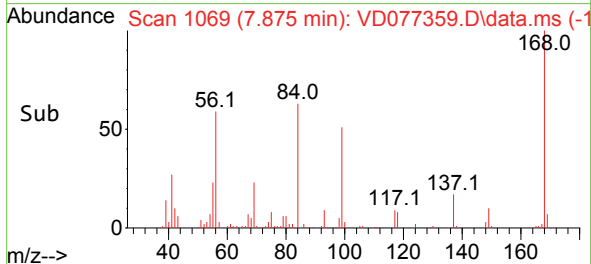
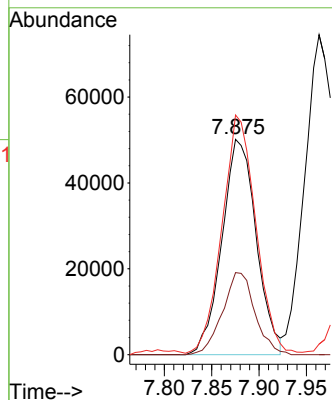
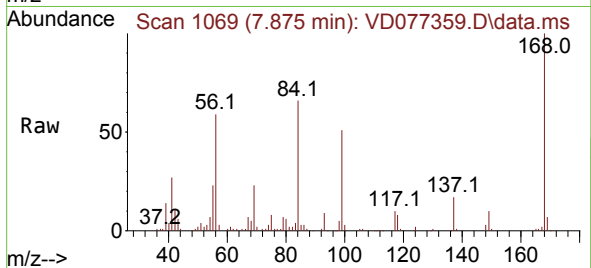
Tgt Ion: 56 Resp: 126672

Ion Ratio Lower Upper

56 100

69 38.1 28.6 43.0

84 110.0 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 47.132 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

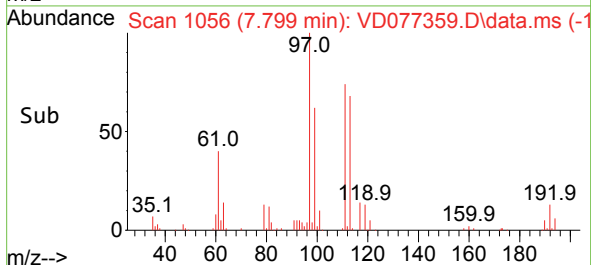
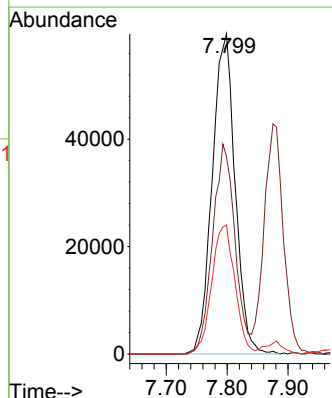
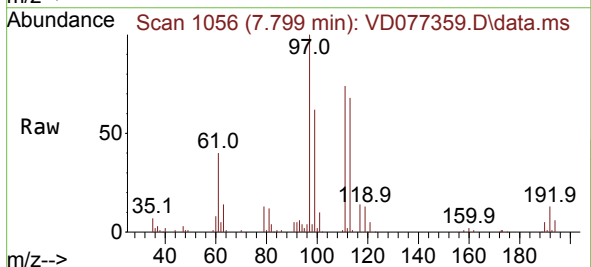
Tgt Ion: 97 Resp: 155475

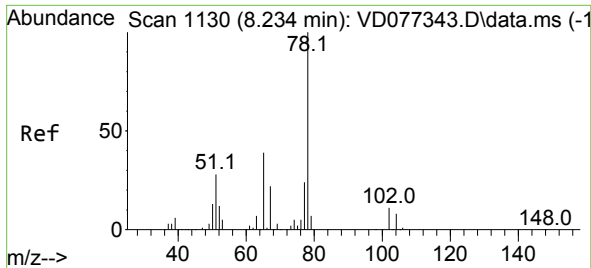
Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

61 40.8 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 55.113 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

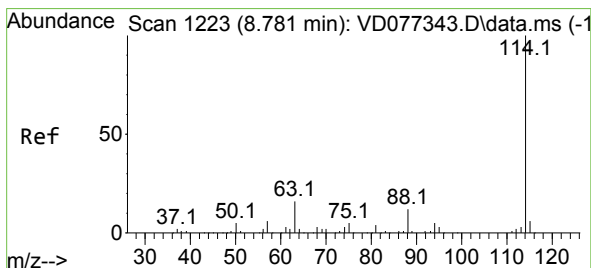
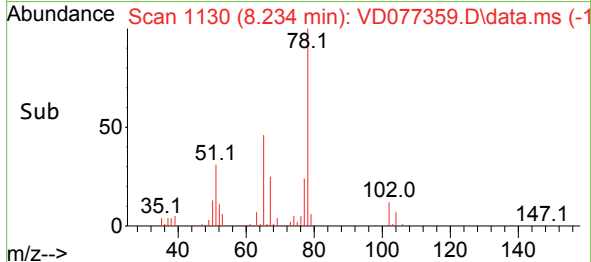
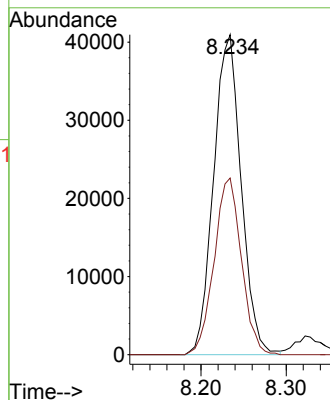
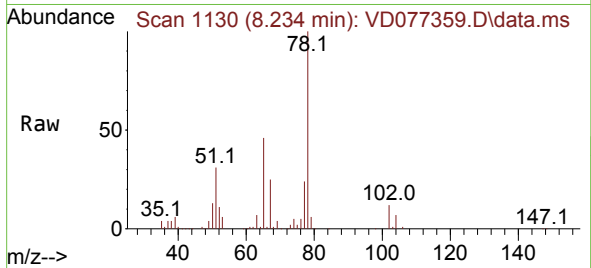
ClientSampleId :

Tgt Ion: 65 Resp: 91982

Ion Ratio Lower Upper

65 100

67 54.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

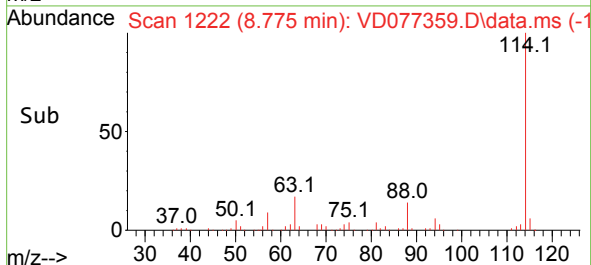
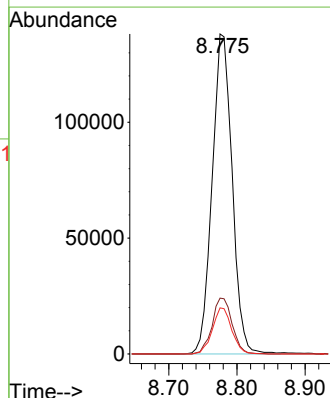
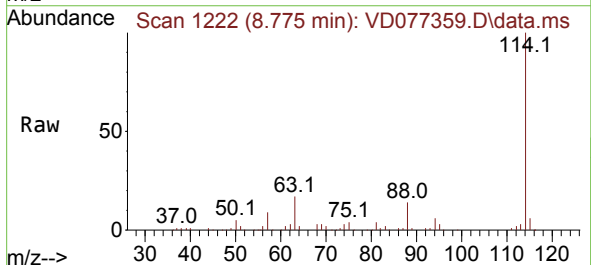
Tgt Ion: 114 Resp: 282202

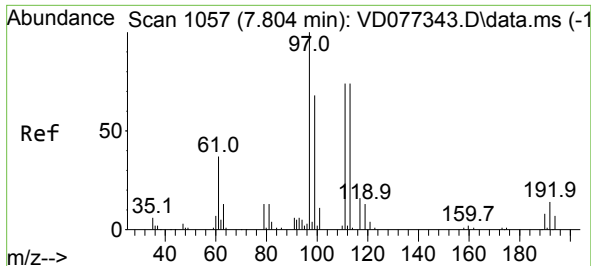
Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.4

88 14.4 0.0 26.2

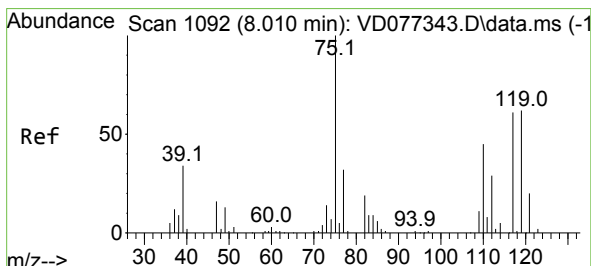
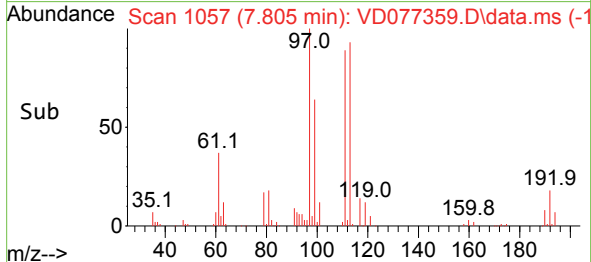
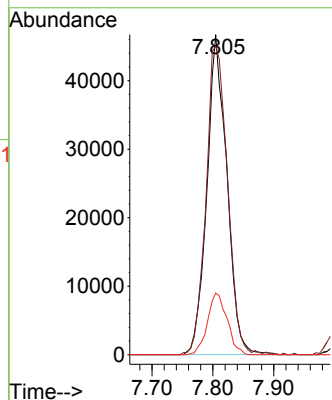
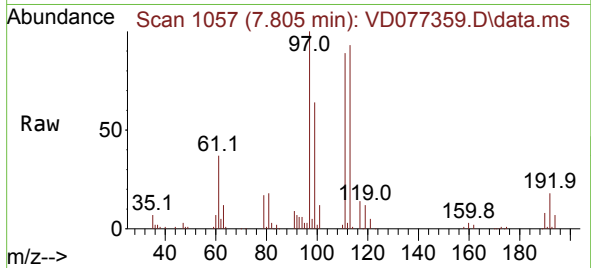




#35  
Dibromofluoromethane  
Concen: 53.733 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. 0.001 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

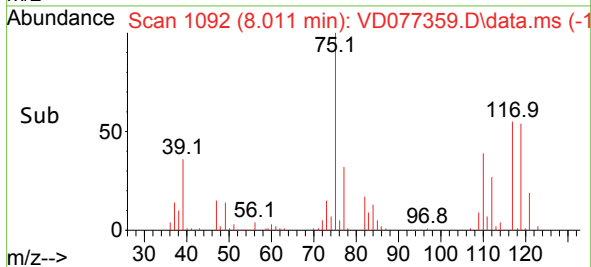
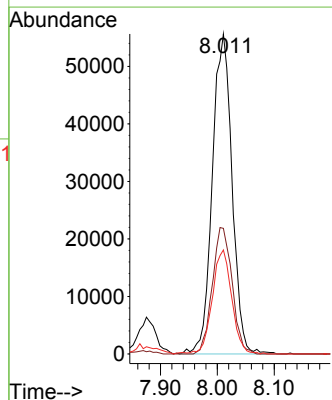
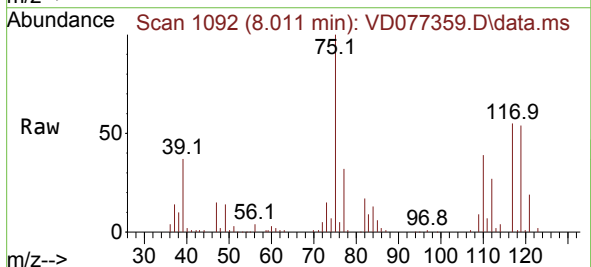
Instrument :  
MSVOA\_D  
ClientSampleId :

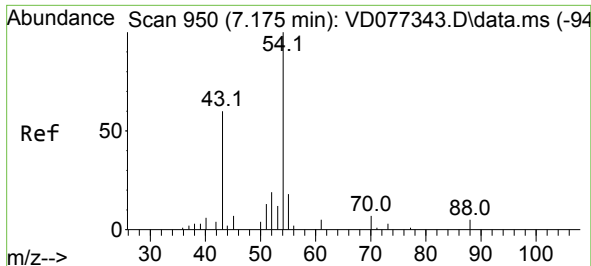
Tgt Ion:113 Resp: 106530  
Ion Ratio Lower Upper  
113 100  
111 104.1 84.7 127.1  
192 18.9 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 51.533 ug/l  
RT: 8.011 min Scan# 1092  
Delta R.T. 0.001 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 75 Resp: 134249  
Ion Ratio Lower Upper  
75 100  
110 39.5 19.9 59.6  
77 32.2 24.7 37.1





#37

Ethyl Acetate

Concen: 65.876 ug/l

RT: 7.169 min Scan# 94

Delta R.T. -0.006 min

Lab File: VD077359.D

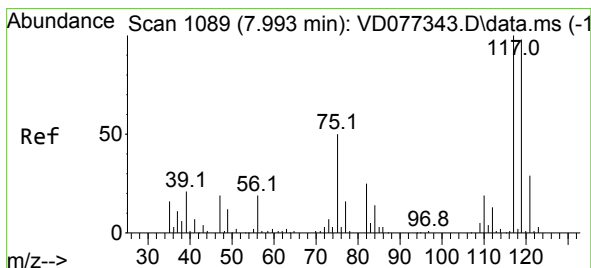
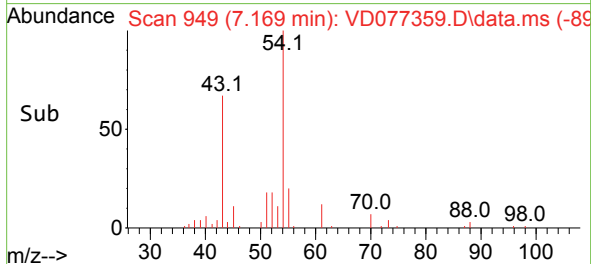
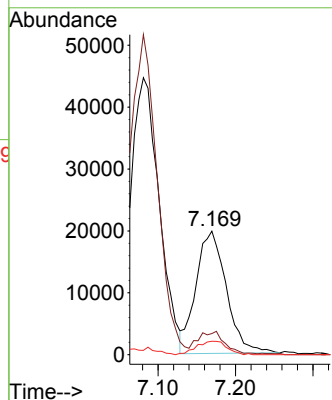
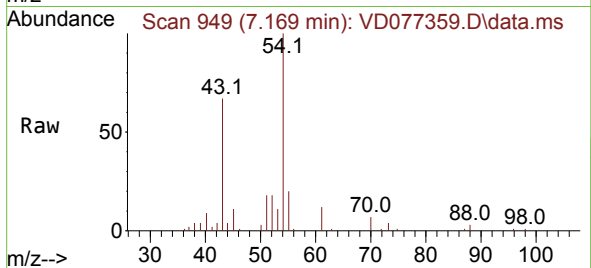
Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 53907    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 15.8 14.9 22.3 |
| 70          | 11.0 10.0 15.0 |



#38

Carbon Tetrachloride

Concen: 49.790 ug/l

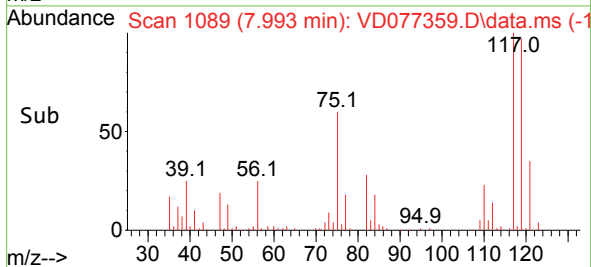
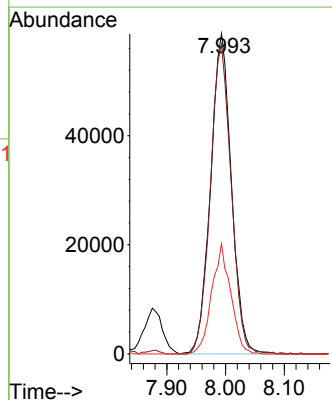
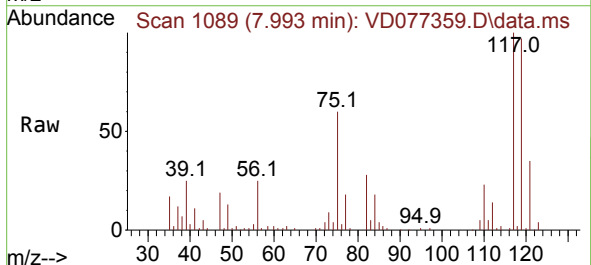
RT: 7.993 min Scan# 1089

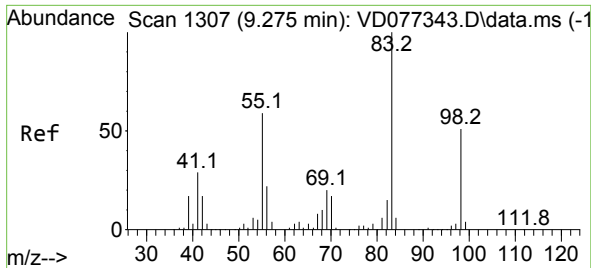
Delta R.T. -0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 144291    |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 96.6 78.0 117.0 |
| 121          | 34.5 24.2 36.2  |

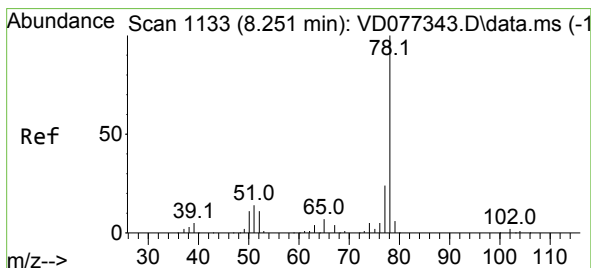
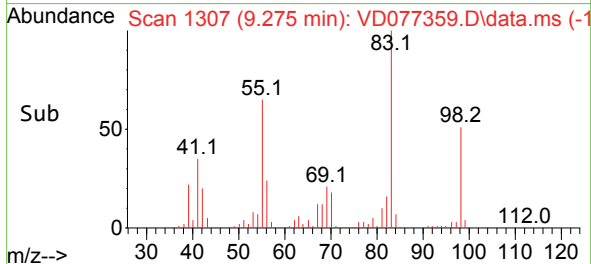
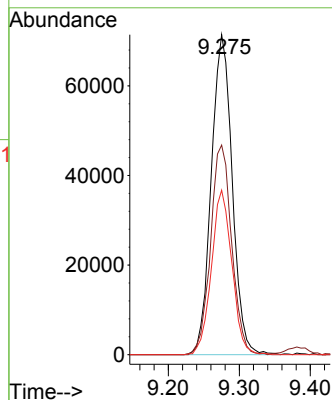
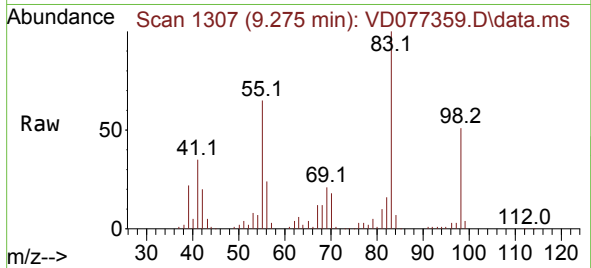




#39  
Methylcyclohexane  
Concen: 46.147 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

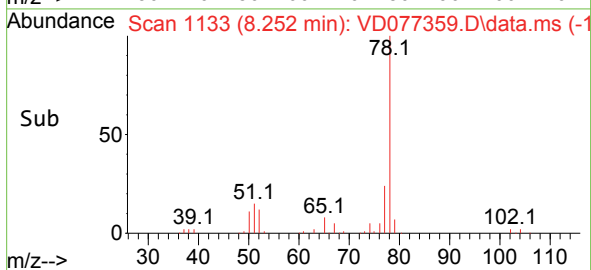
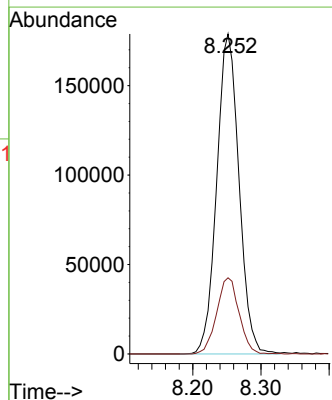
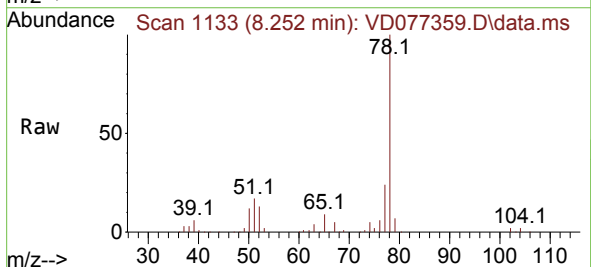
Instrument :  
MSVOA\_D  
ClientSampleId :

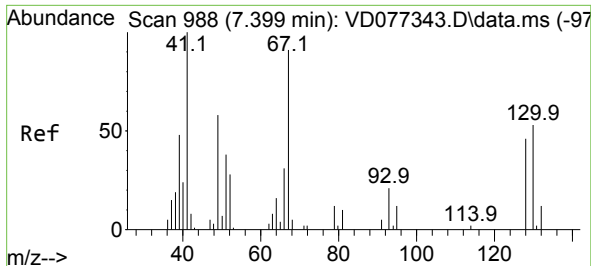
Tgt Ion: 83 Resp: 146075  
Ion Ratio Lower Upper  
83 100  
55 65.5 49.4 74.0  
98 51.4 38.4 57.6



#40  
Benzene  
Concen: 51.374 ug/l  
RT: 8.252 min Scan# 1133  
Delta R.T. 0.001 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

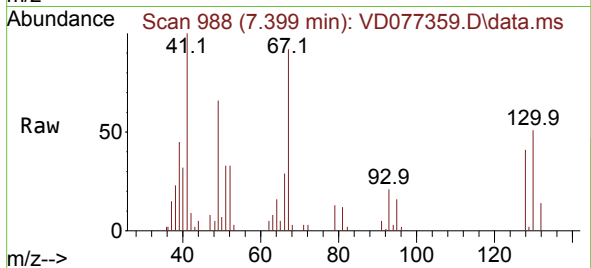
Tgt Ion: 78 Resp: 406145  
Ion Ratio Lower Upper  
78 100  
77 23.8 19.4 29.0



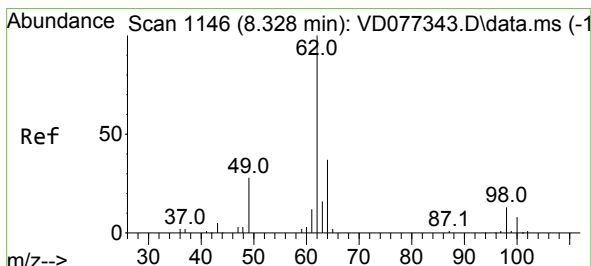
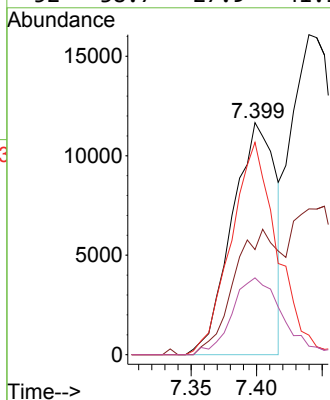
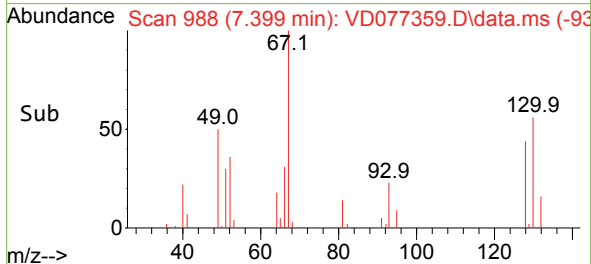


#41  
Methacrylonitrile  
Concen: 68.993 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

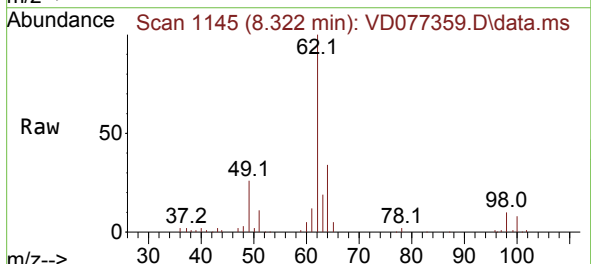
Instrument :  
MSVOA\_D  
ClientSampleId :



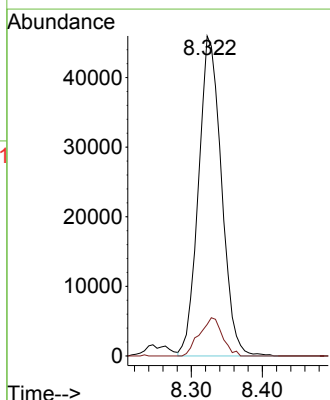
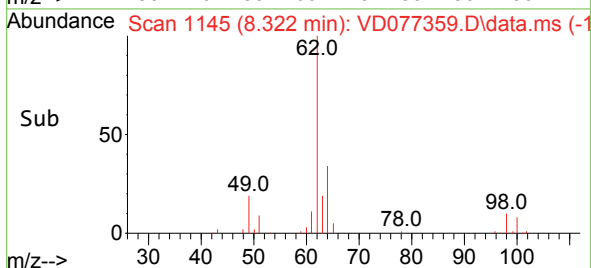
Tgt Ion: 41 Resp: 26944  
Ion Ratio Lower Upper  
41 100  
39 59.7 34.0 51.0#  
67 97.8 77.0 115.4  
52 38.7 27.9 41.9

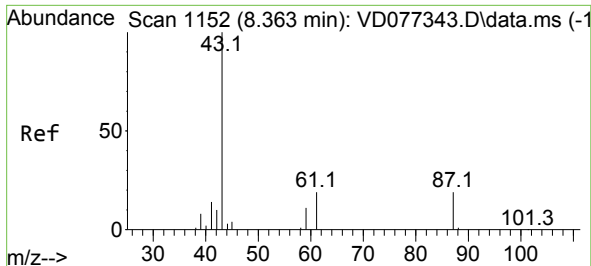


#42  
1,2-Dichloroethane  
Concen: 55.497 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41



Tgt Ion: 62 Resp: 103343  
Ion Ratio Lower Upper  
62 100  
98 11.9 0.0 25.4

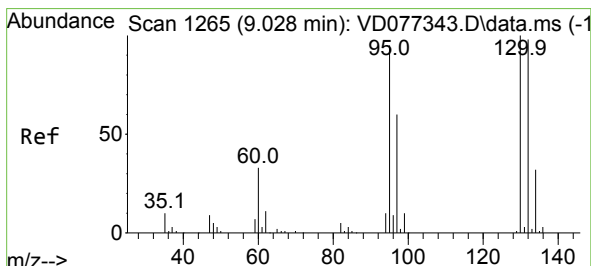
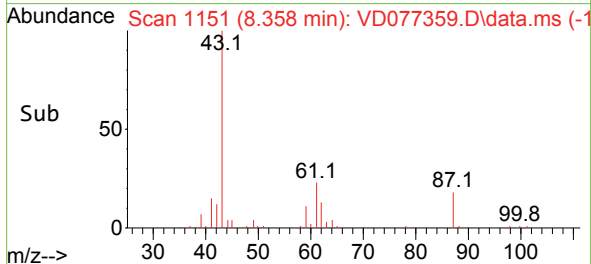
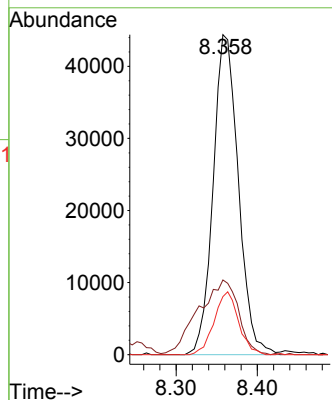
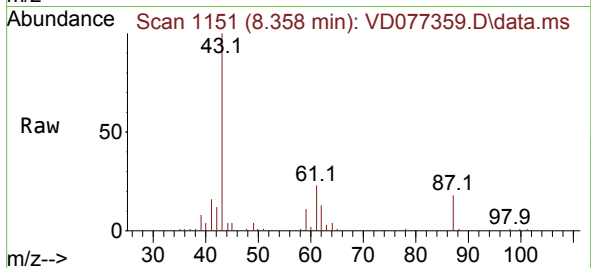




#43  
Isopropyl Acetate  
Concen: 65.075 ug/l  
RT: 8.358 min Scan# 1151  
Delta R.T. -0.005 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

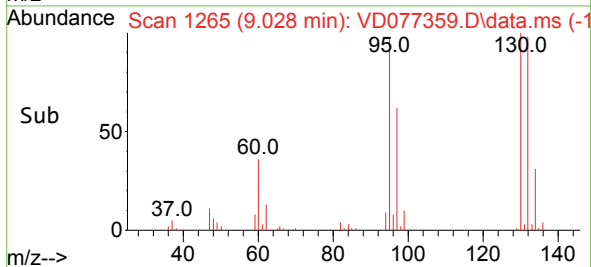
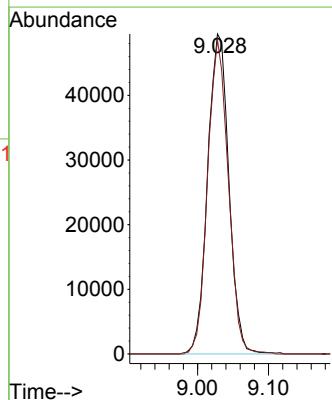
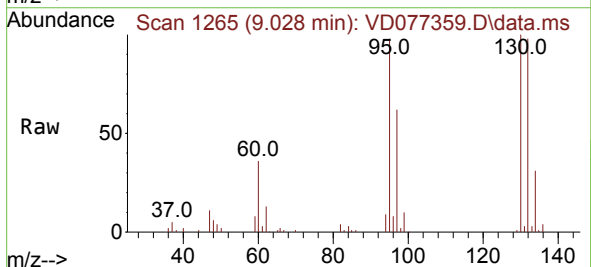
Instrument :  
MSVOA\_D  
ClientSampleId :

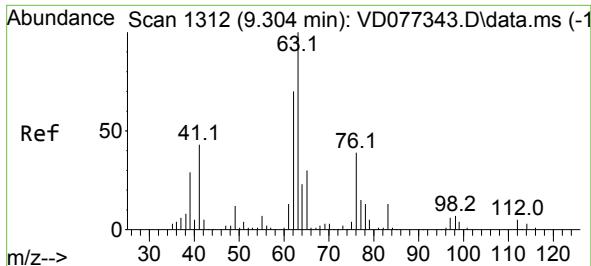
Tgt Ion: 43 Resp: 95866  
Ion Ratio Lower Upper  
43 100  
61 36.9 31.4 47.0  
87 19.0 14.9 22.3



#44  
Trichloroethene  
Concen: 44.514 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion:130 Resp: 102889  
Ion Ratio Lower Upper  
130 100  
95 98.2 0.0 179.2

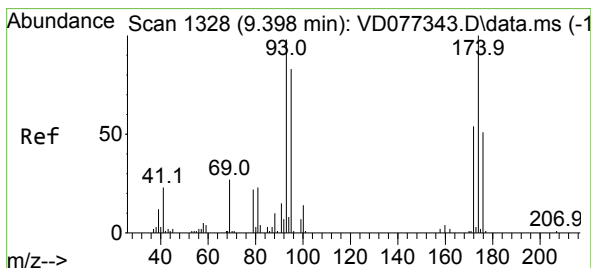
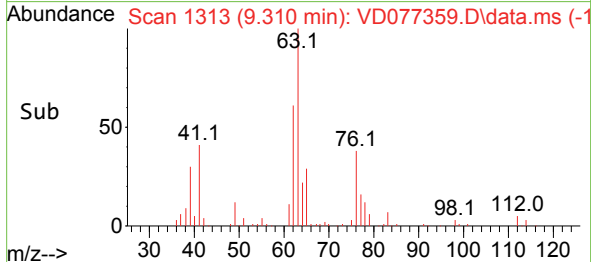
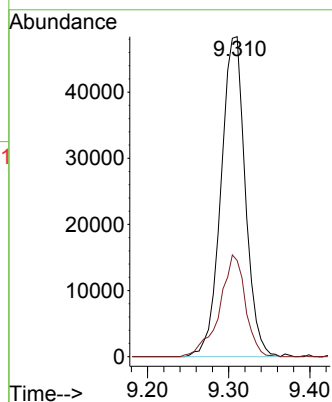
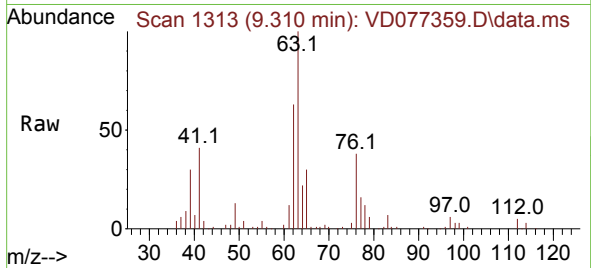




#45  
1,2-Dichloropropane  
Concen: 55.203 ug/l  
RT: 9.310 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

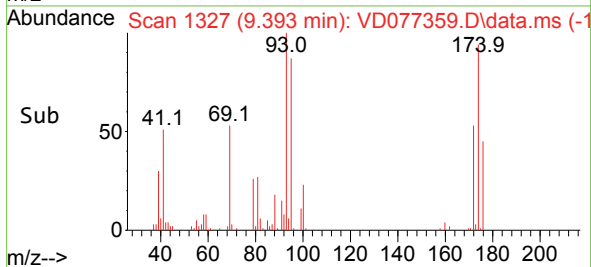
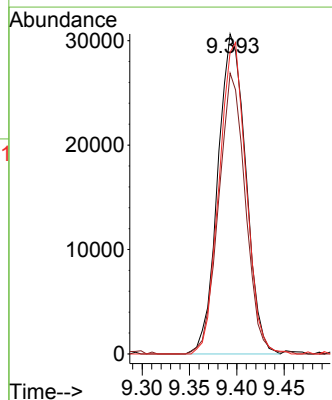
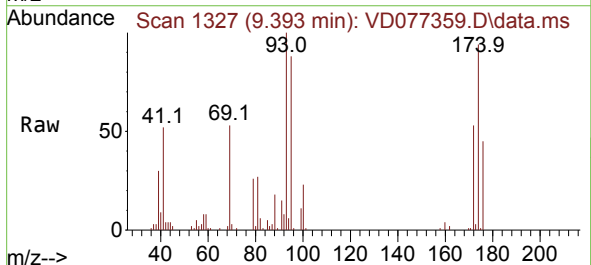
Instrument :  
MSVOA\_D  
ClientSampleId :

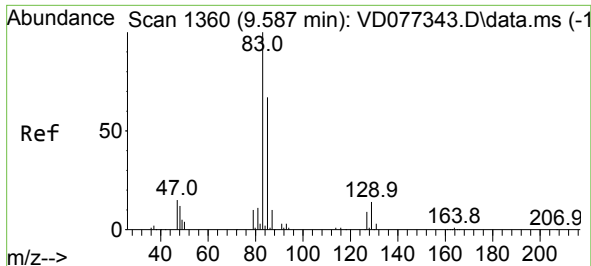
Tgt Ion: 63 Resp: 100601  
Ion Ratio Lower Upper  
63 100  
65 30.1 24.5 36.7



#46  
Dibromomethane  
Concen: 55.315 ug/l  
RT: 9.393 min Scan# 1327  
Delta R.T. -0.005 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 93 Resp: 63021  
Ion Ratio Lower Upper  
93 100  
95 83.7 67.7 101.5  
174 94.0 85.4 128.2

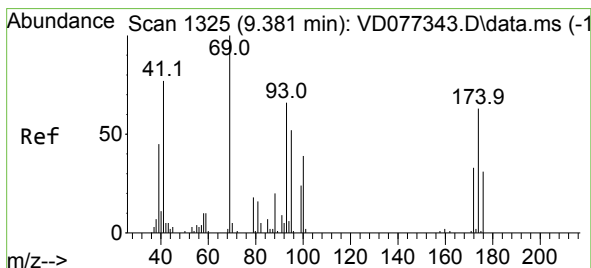
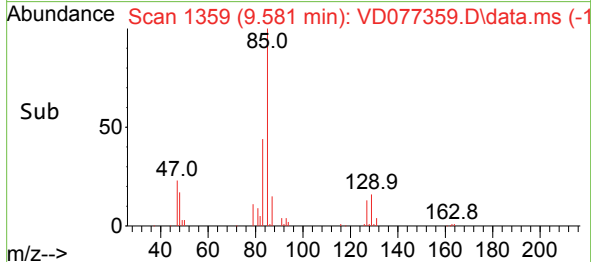
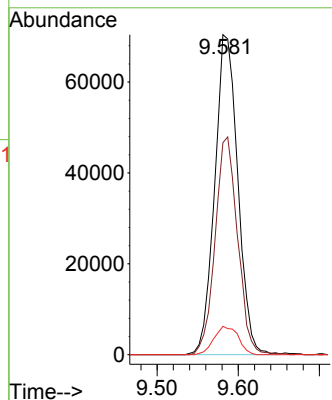
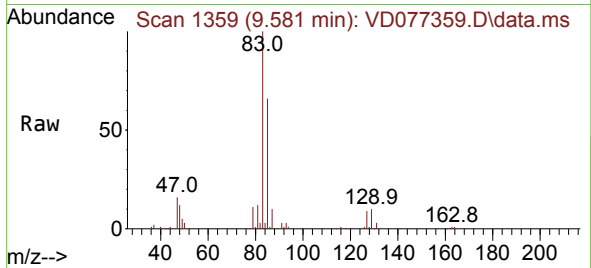




#47  
Bromodichloromethane  
Concen: 51.282 ug/l  
RT: 9.581 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

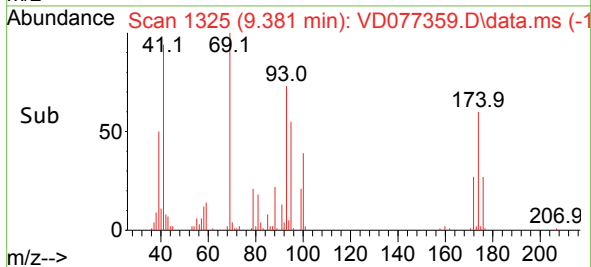
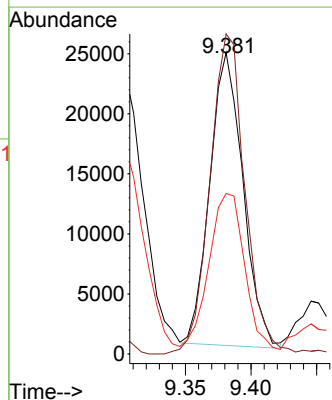
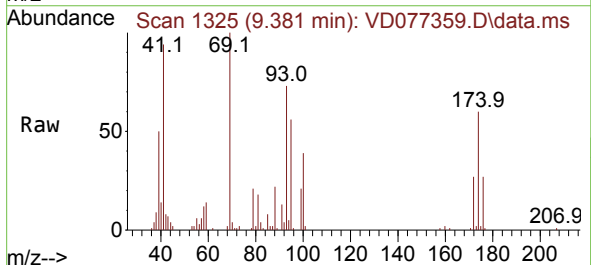
Instrument :  
MSVOA\_D  
ClientSampleId :

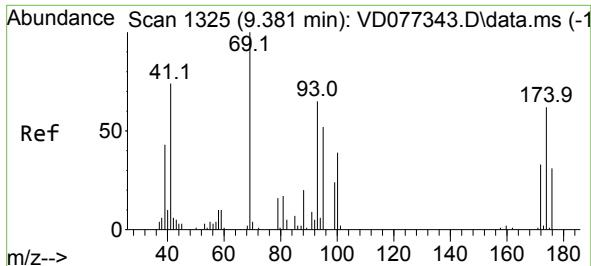
Tgt Ion: 83 Resp: 139317  
Ion Ratio Lower Upper  
83 100  
85 66.3 50.2 75.4  
127 8.8 6.3 9.5



#48  
Methyl methacrylate  
Concen: 64.272 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 41 Resp: 42833  
Ion Ratio Lower Upper  
41 100  
69 115.6 102.2 153.2  
39 56.7 41.4 62.2





#49

1,4-Dioxane

Concen: 1188.824 ug/l

RT: 9.387 min Scan# 1

Delta R.T. 0.006 min

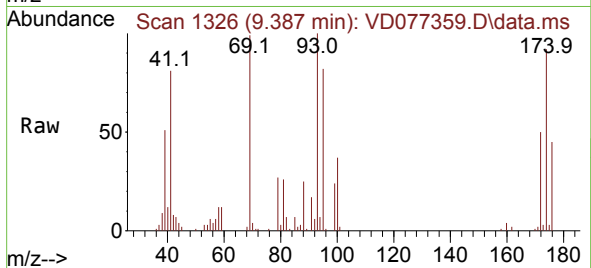
Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

ClientSampleId :



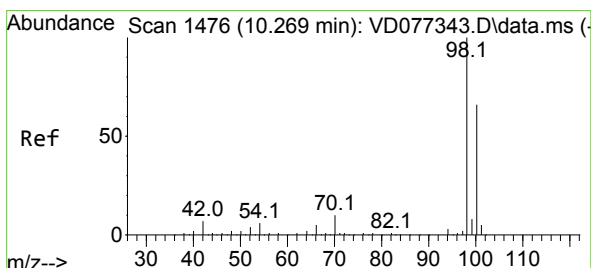
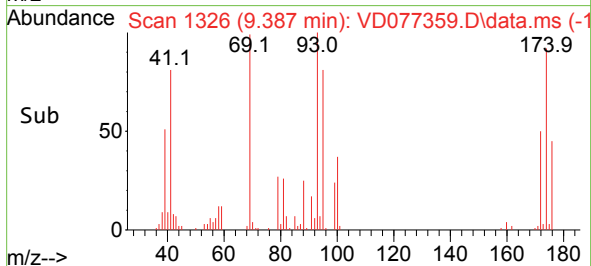
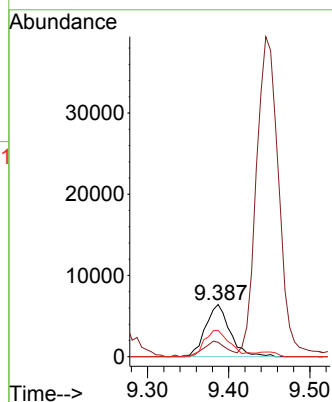
Tgt Ion: 88 Resp: 13386

Ion Ratio Lower Upper

88 100

43 28.4 19.0 28.6

58 53.3 43.5 65.3



#50

Toluene-d8

Concen: 52.597 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077359.D

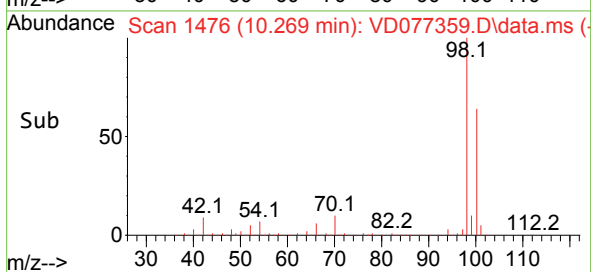
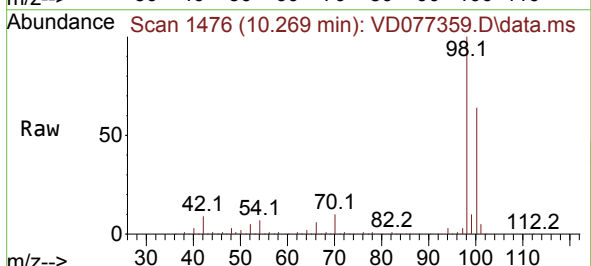
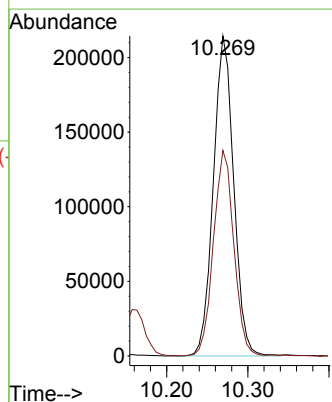
Acq: 20 Oct 2023 10:41

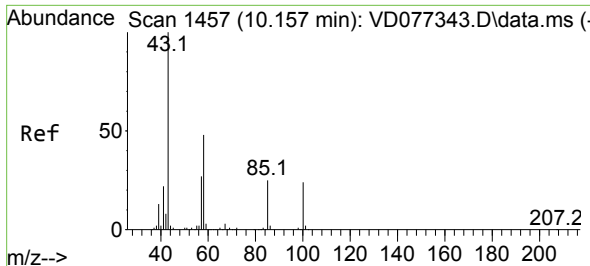
Tgt Ion: 98 Resp: 373454

Ion Ratio Lower Upper

98 100

100 64.1 50.3 75.5

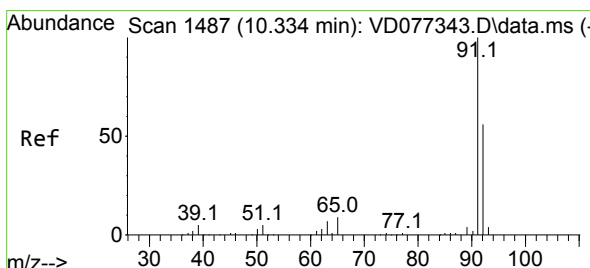
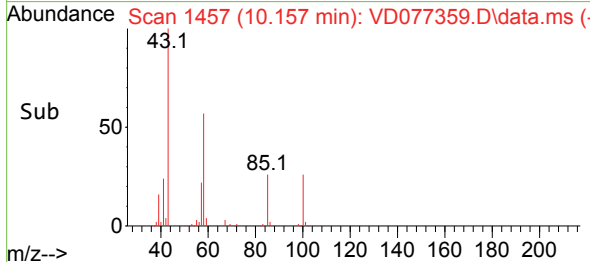
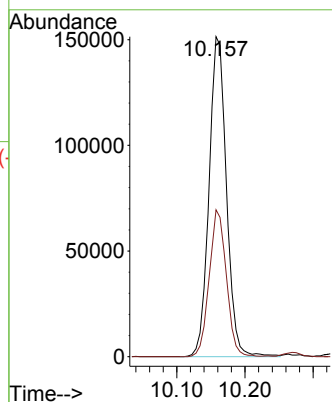
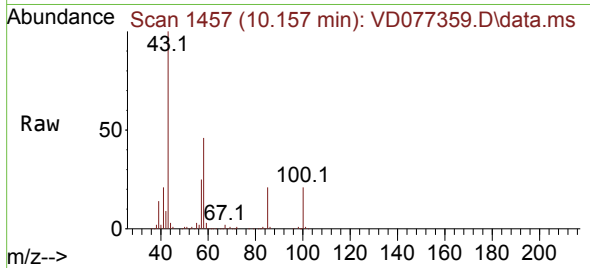




#51  
4-Methyl-2-Pentanone  
Concen: 365.365 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

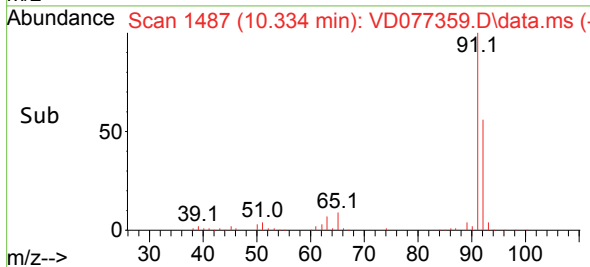
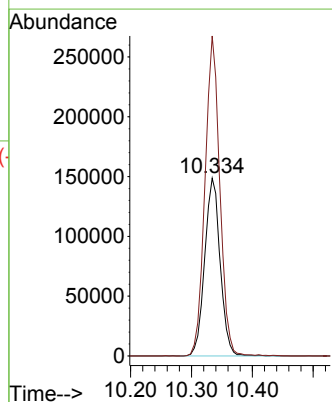
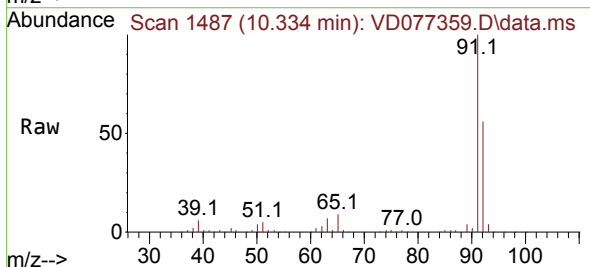
Instrument :  
MSVOA\_D  
ClientSampleId :

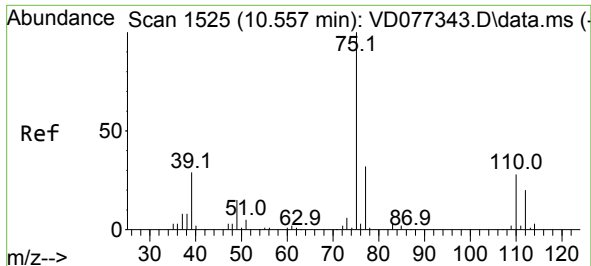
Tgt Ion: 43 Resp: 269810  
Ion Ratio Lower Upper  
43 100  
58 45.1 38.9 58.3



#52  
Toluene  
Concen: 50.665 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 92 Resp: 261521  
Ion Ratio Lower Upper  
92 100  
91 173.0 143.0 214.4

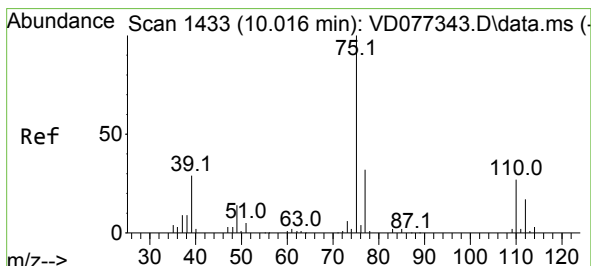
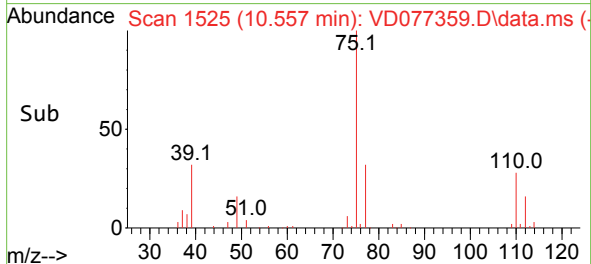
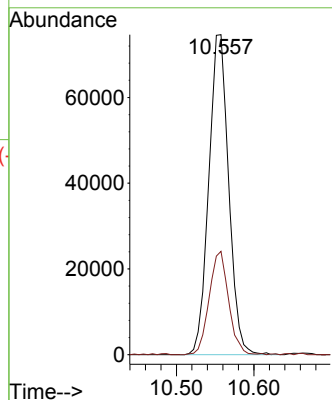
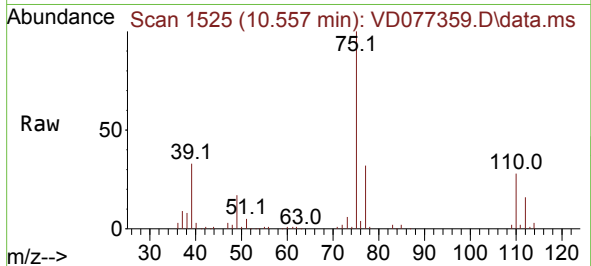




#53  
 t-1,3-Dichloropropene  
 Concen: 54.587 ug/l  
 RT: 10.557 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VD077359.D  
 Acq: 20 Oct 2023 10:41

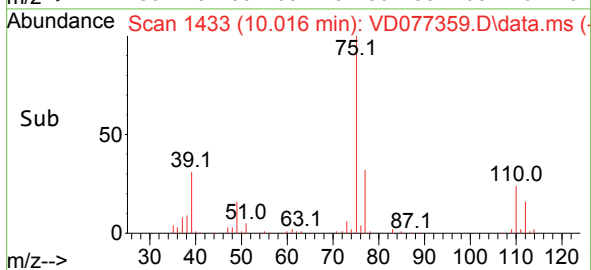
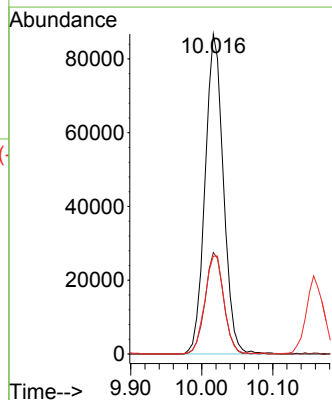
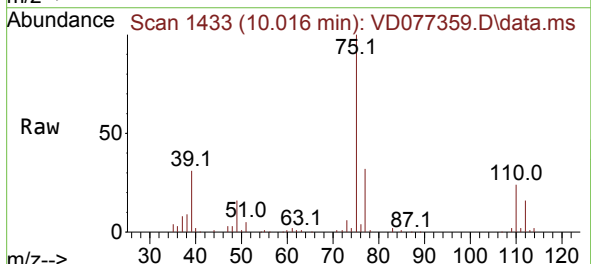
Instrument :  
 MSVOA\_D  
 ClientSampleId :

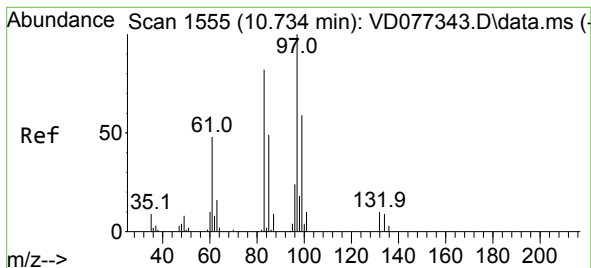
Tgt Ion: 75 Resp: 133114  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 25.3 37.9



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.173 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD077359.D  
 Acq: 20 Oct 2023 10:41

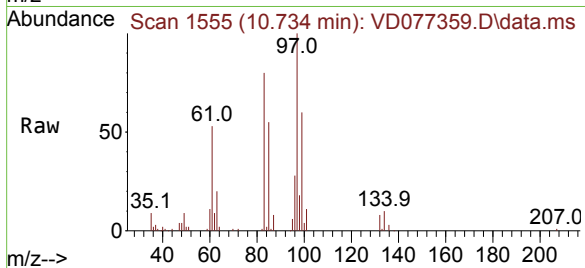
Tgt Ion: 75 Resp: 155666  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 25.5 38.3  
 39 30.6 22.1 33.1



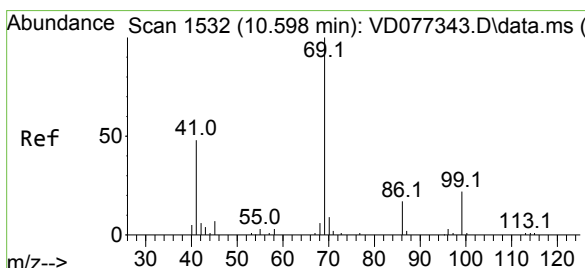
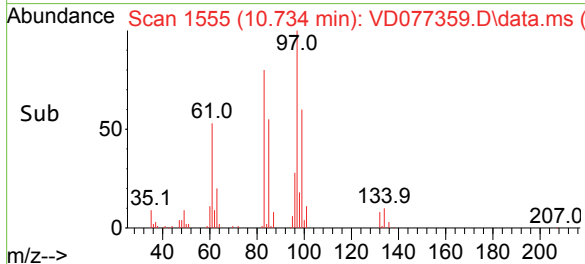
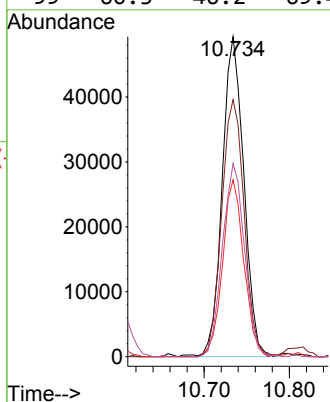


#55  
 1,1,2-Trichloroethane  
 Concen: 54.919 ug/l  
 RT: 10.734 min Scan# 1555  
 Delta R.T. -0.000 min  
 Lab File: VD077359.D  
 Acq: 20 Oct 2023 10:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :

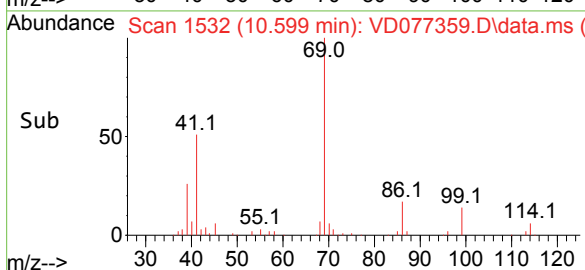
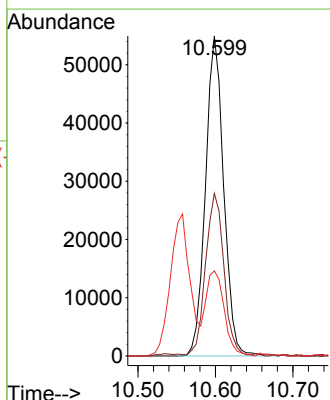
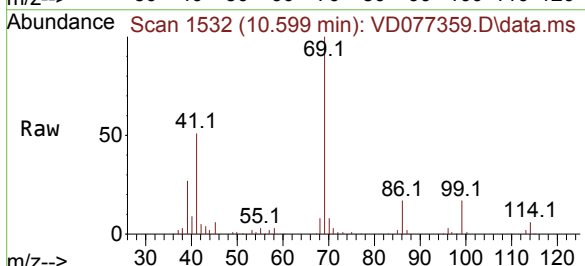


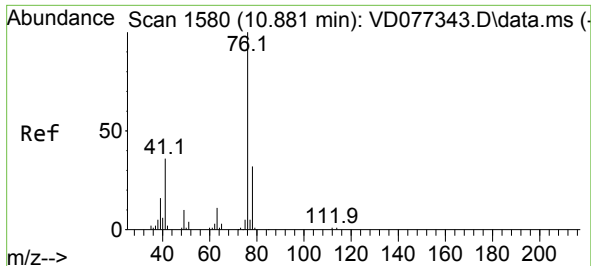
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 86661 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 80.3  | 65.8  | 98.6  |
| 85       | 55.2  | 45.7  | 68.5  |
| 99       | 60.3  | 46.2  | 69.4  |



#56  
 Ethyl methacrylate  
 Concen: 59.556 ug/l  
 RT: 10.599 min Scan# 1532  
 Delta R.T. 0.001 min  
 Lab File: VD077359.D  
 Acq: 20 Oct 2023 10:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 89814 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 50.0  | 39.1  | 58.7  |
| 39       | 26.5  | 20.0  | 30.0  |





#57

1,3-Dichloropropane

Concen: 56.487 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

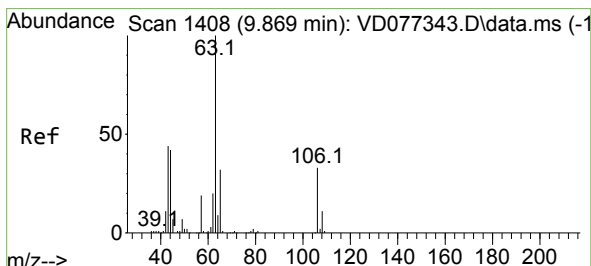
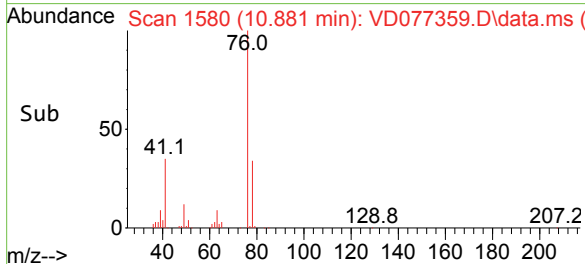
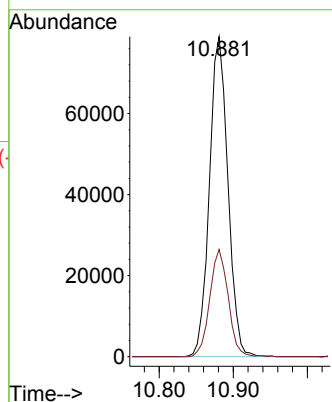
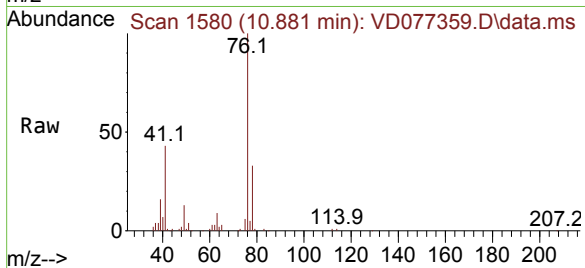
ClientSampleId :

Tgt Ion: 76 Resp: 136924

Ion Ratio Lower Upper

76 100

78 33.4 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 297.583 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD077359.D

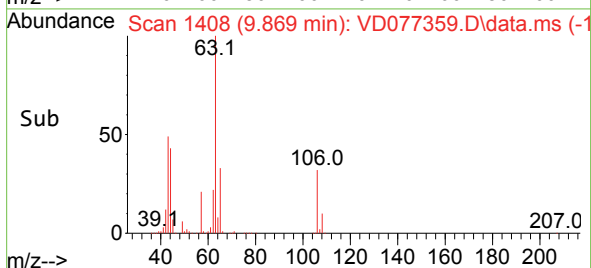
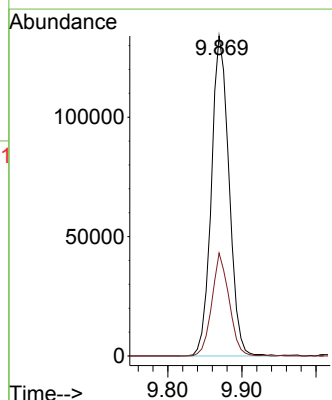
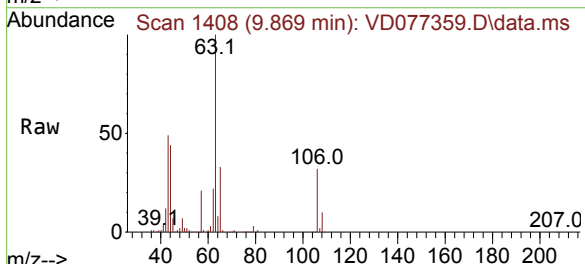
Acq: 20 Oct 2023 10:41

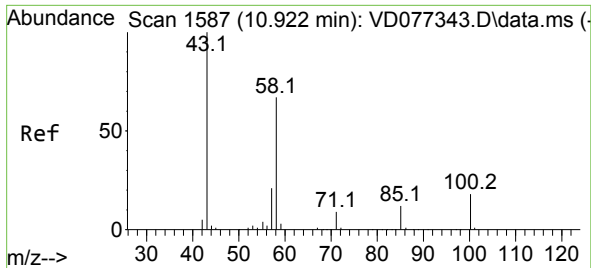
Tgt Ion: 63 Resp: 221931

Ion Ratio Lower Upper

63 100

106 31.3 25.3 37.9

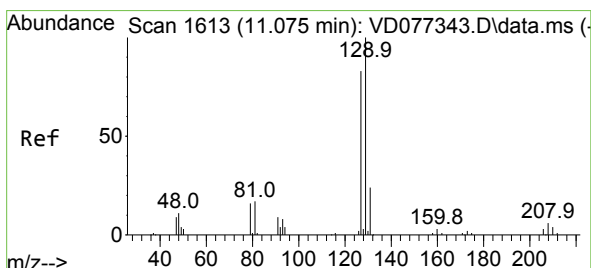
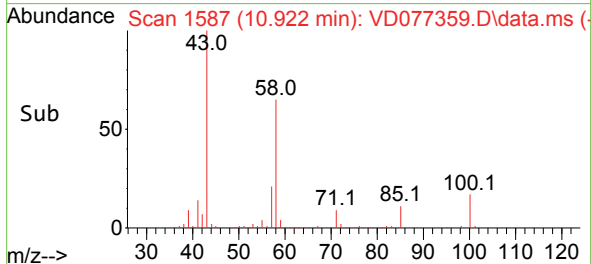
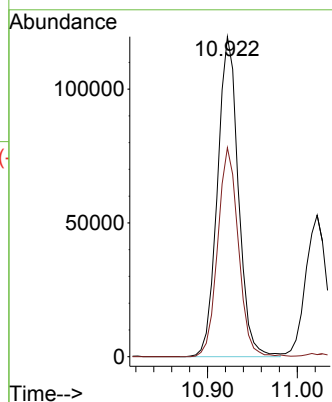
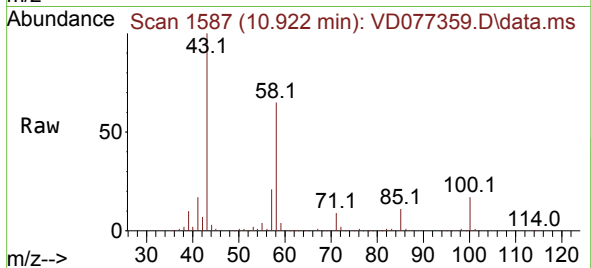




#59  
2-Hexanone  
Concen: 364.702 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

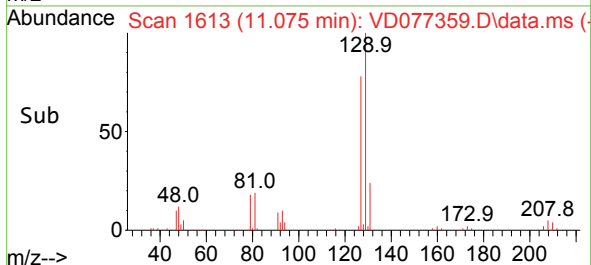
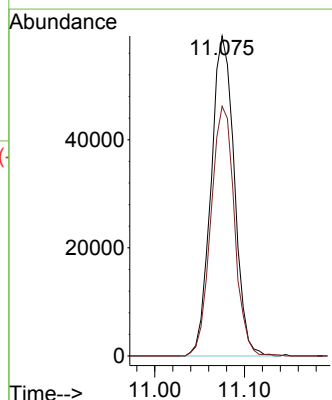
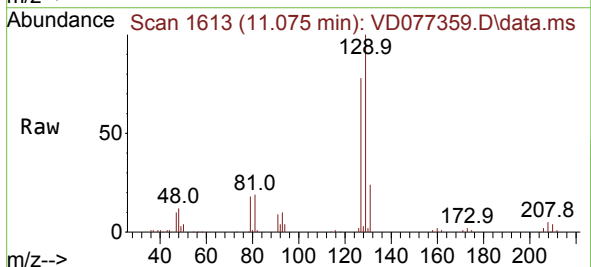
Instrument :  
MSVOA\_D  
ClientSampleId :

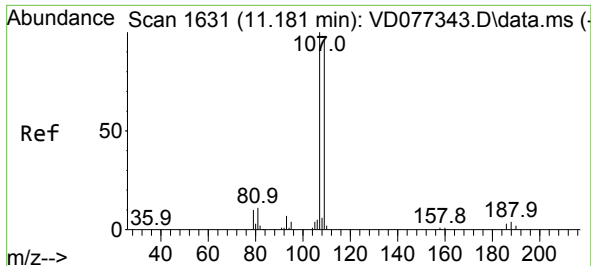
Tgt Ion: 43 Resp: 193430  
Ion Ratio Lower Upper  
43 100  
58 64.4 34.1 102.2



#60  
Dibromochloromethane  
Concen: 52.859 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

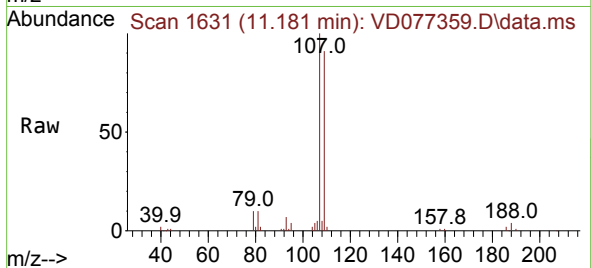
Tgt Ion: 129 Resp: 106506  
Ion Ratio Lower Upper  
129 100  
127 78.9 37.1 111.5



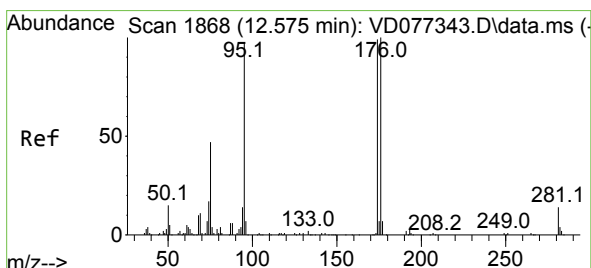
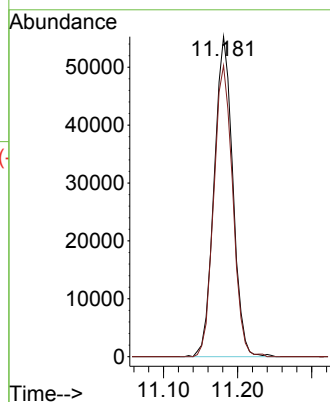
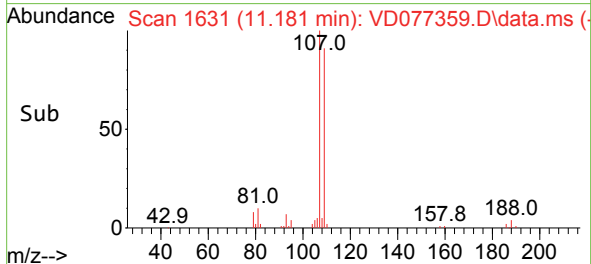


#61  
1,2-Dibromoethane  
Concen: 65.017 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

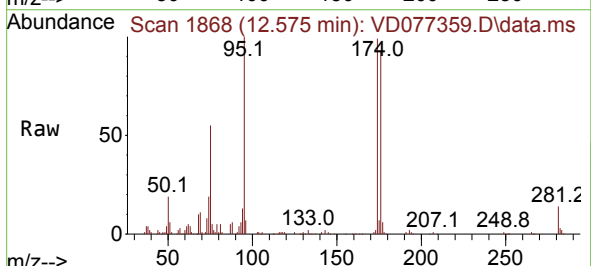
Instrument :  
MSVOA\_D  
ClientSampleId :



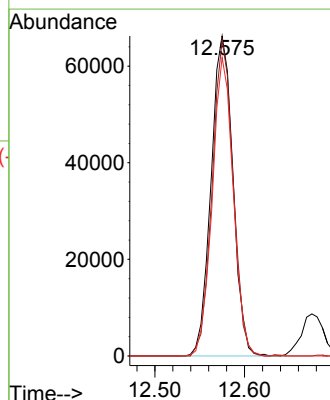
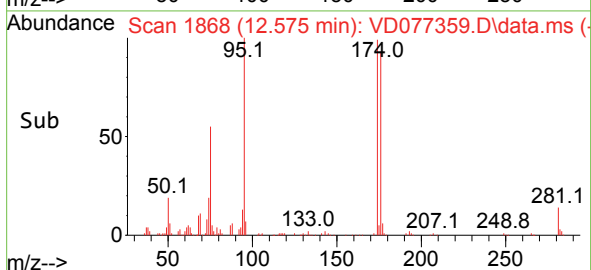
Tgt Ion:107 Resp: 96677  
Ion Ratio Lower Upper  
107 100  
109 92.2 75.6 113.4

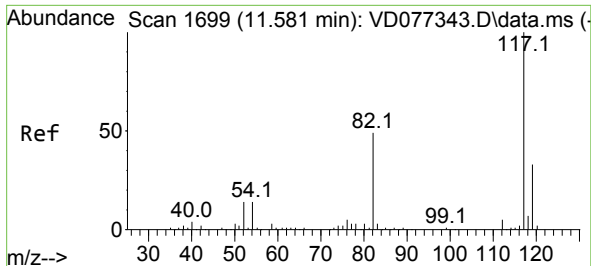


#62  
4-Bromofluorobenzene  
Concen: 54.775 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41



Tgt Ion: 95 Resp: 111954  
Ion Ratio Lower Upper  
95 100  
174 94.4 0.0 201.8  
176 89.7 0.0 191.8

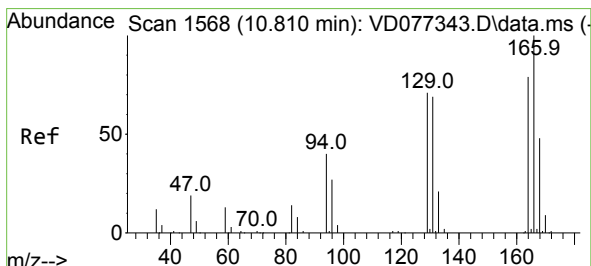
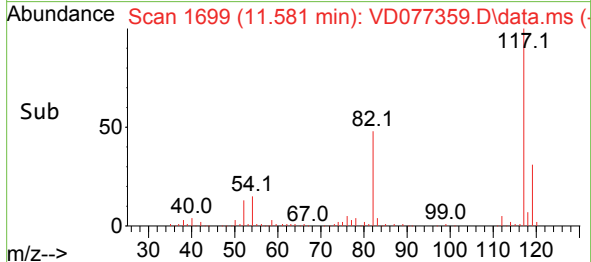
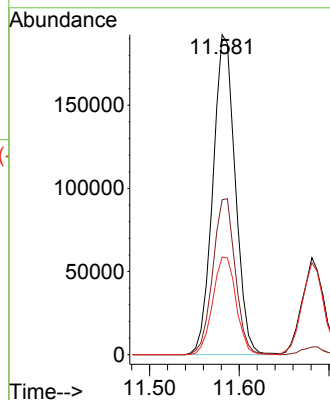
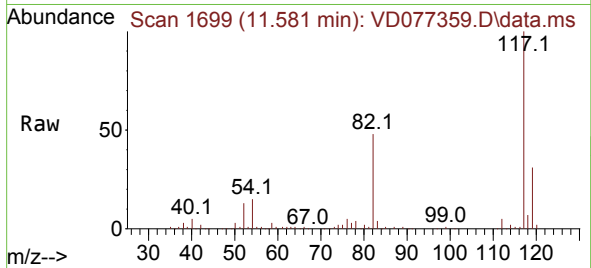




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

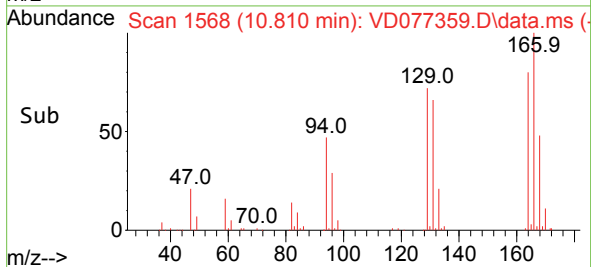
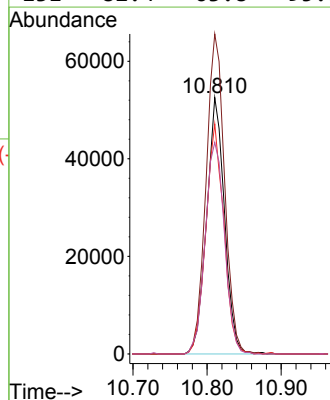
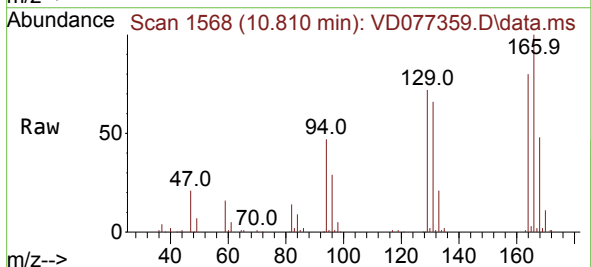
Instrument :  
MSVOA\_D  
ClientSampleId :

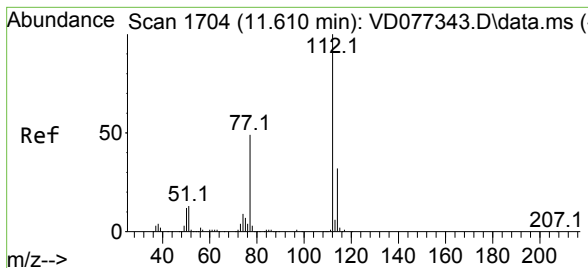
Tgt Ion:117 Resp: 333469  
Ion Ratio Lower Upper  
117 100  
82 48.4 38.3 57.5  
119 30.5 25.0 37.4



#64  
Tetrachloroethene  
Concen: 35.725 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

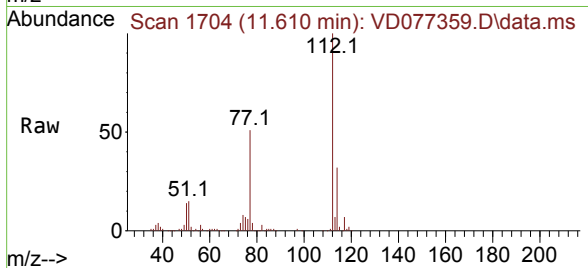
Tgt Ion:164 Resp: 88547  
Ion Ratio Lower Upper  
164 100  
166 124.7 99.2 148.8  
129 89.7 68.4 102.6  
131 82.4 63.8 95.8



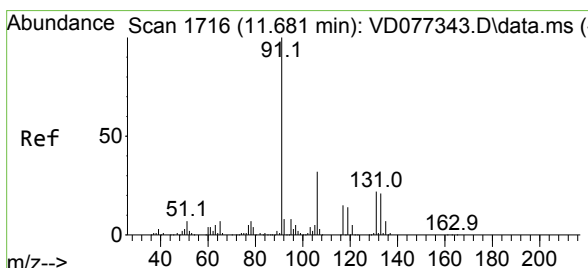
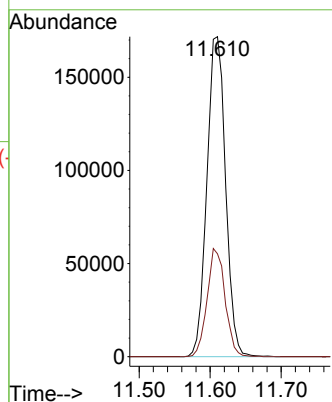
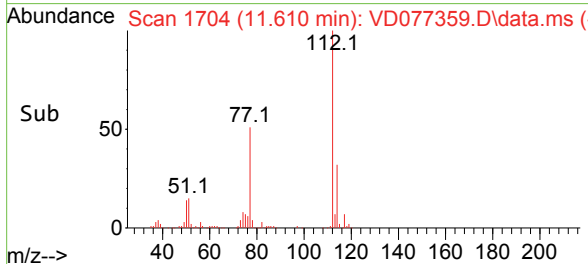


#65  
Chlorobenzene  
Concen: 43.265 ug/l  
RT: 11.610 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Instrument :  
MSVOA\_D  
ClientSampleId :

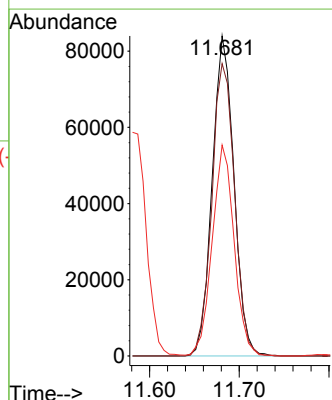
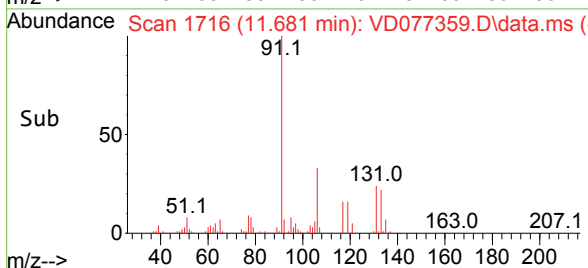
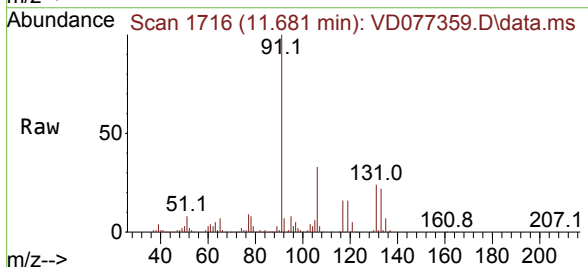


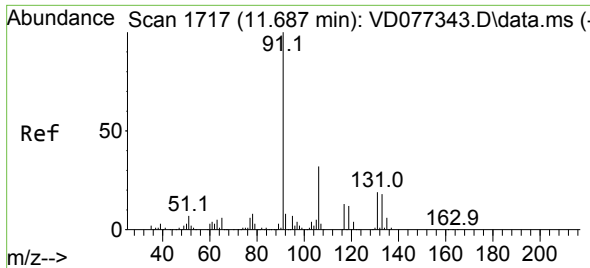
Tgt Ion:112 Resp: 314477  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.095 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion:131 Resp: 141176  
Ion Ratio Lower Upper  
131 100  
133 95.8 48.5 145.5  
119 66.6 35.6 106.9

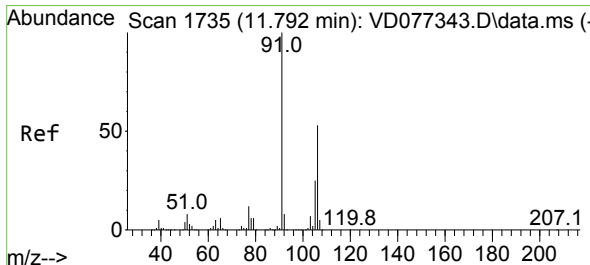
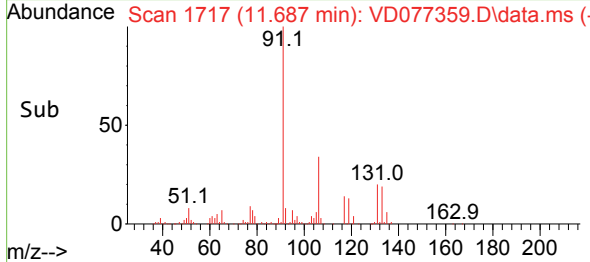
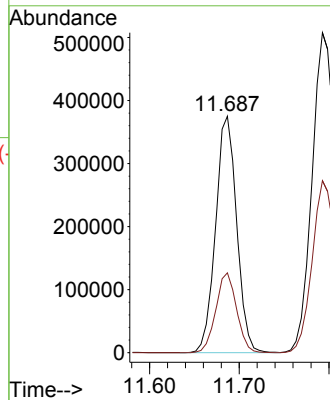
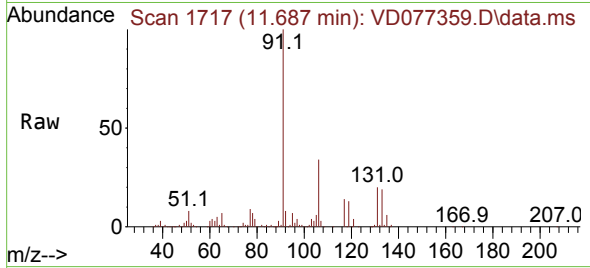




#67  
Ethyl Benzene  
Concen: 50.747 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

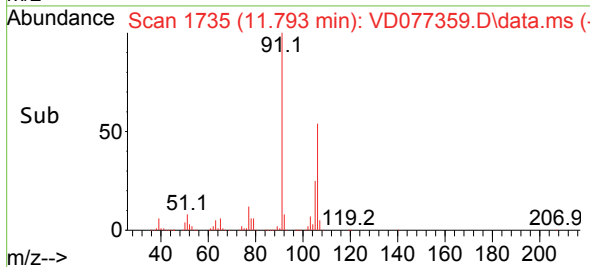
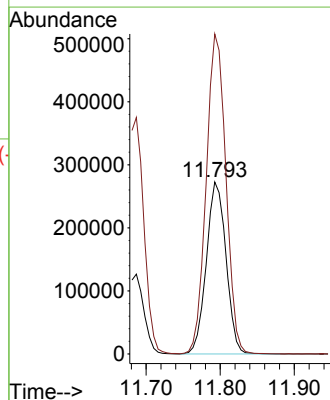
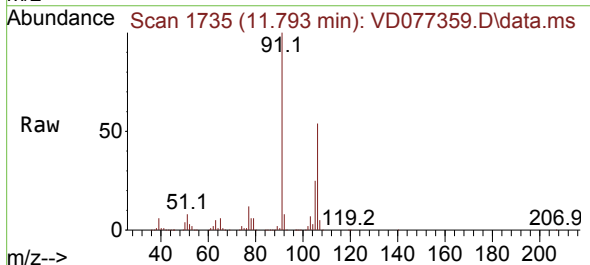
Instrument :  
MSVOA\_D  
ClientSampleId :

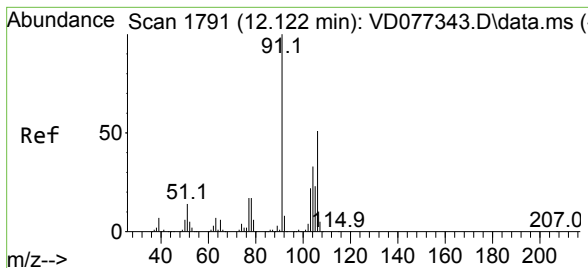
Tgt Ion: 91 Resp: 611453  
Ion Ratio Lower Upper  
91 100  
106 33.8 26.5 39.7



#68  
m/p-Xylenes  
Concen: 101.646 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. 0.001 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion:106 Resp: 502929  
Ion Ratio Lower Upper  
106 100  
91 186.4 147.0 220.6

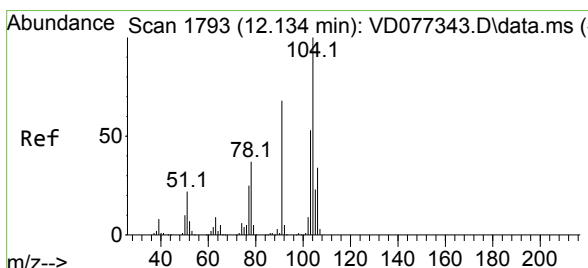
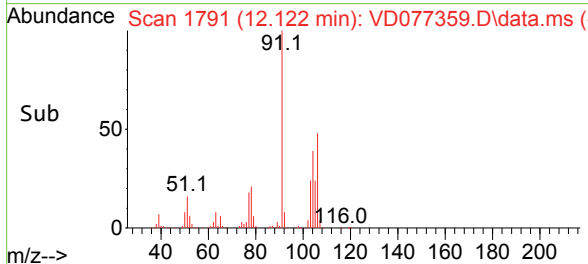
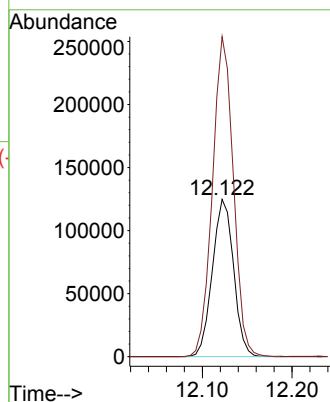
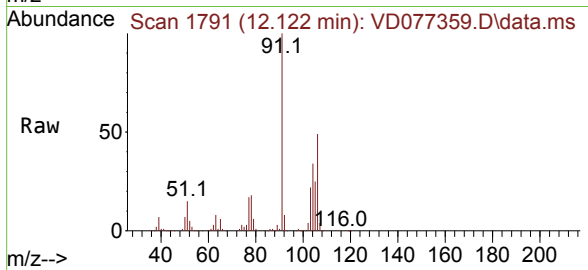




#69  
o-Xylene  
Concen: 44.934 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

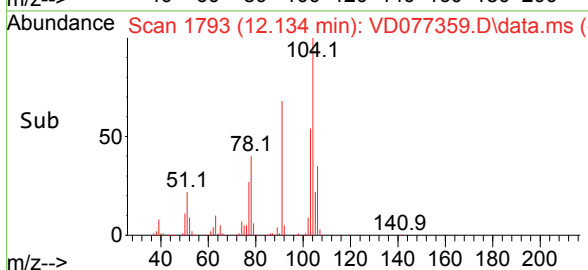
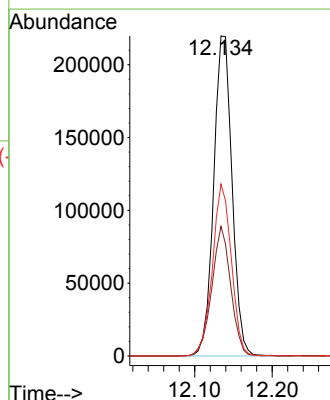
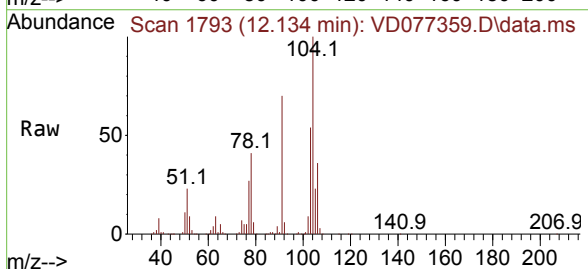
Instrument :  
MSVOA\_D  
ClientSampleId :

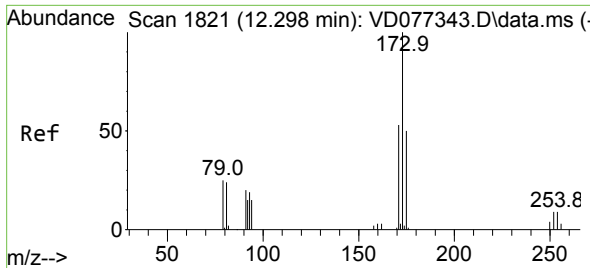
Tgt Ion:106 Resp: 204666  
Ion Ratio Lower Upper  
106 100  
91 200.8 97.9 293.6



#70  
Styrene  
Concen: 46.777 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion:104 Resp: 363508  
Ion Ratio Lower Upper  
104 100  
78 41.6 33.2 49.8  
103 55.4 43.6 65.4

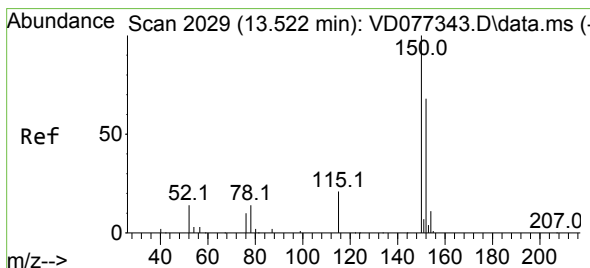
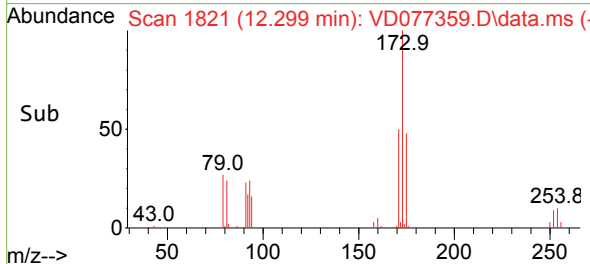
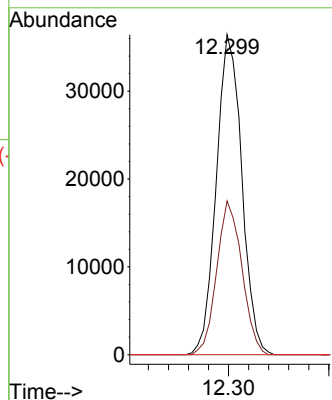
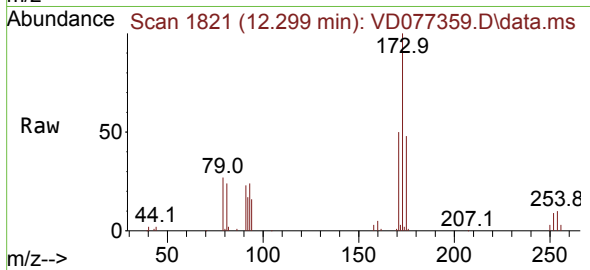




#71  
Bromoform  
Concen: 42.454 ug/l  
RT: 12.299 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

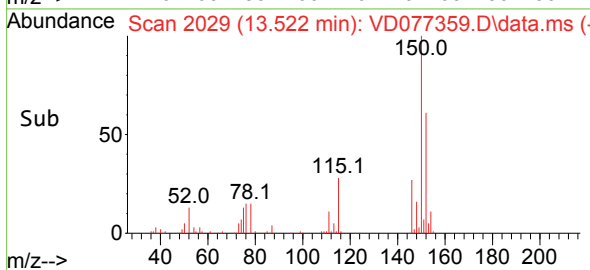
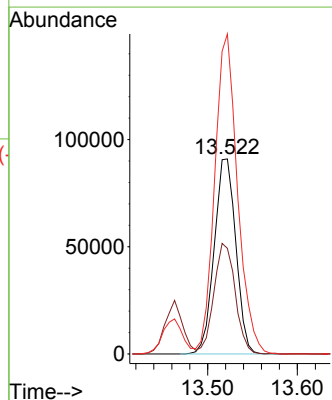
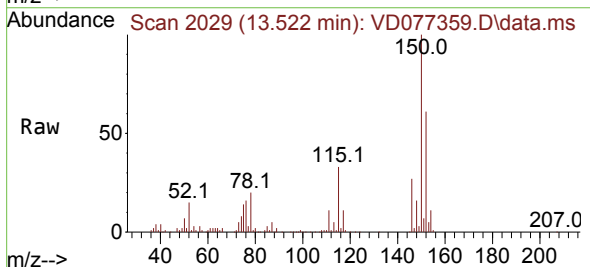
Instrument :  
MSVOA\_D  
ClientSampleId :

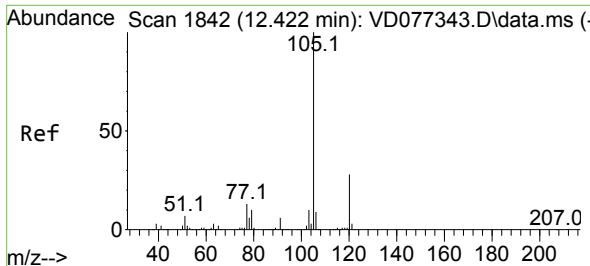
Tgt Ion:173 Resp: 64303  
Ion Ratio Lower Upper  
173 100  
175 47.5 24.6 73.8  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

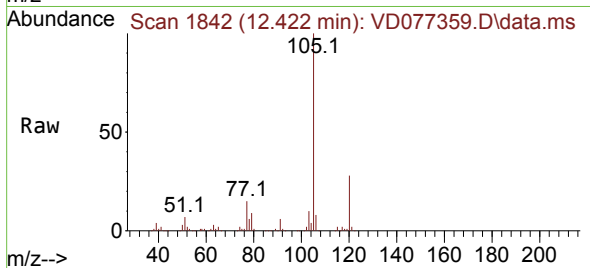
Tgt Ion:152 Resp: 152229  
Ion Ratio Lower Upper  
152 100  
115 55.9 27.1 81.3  
150 172.4 0.0 353.6



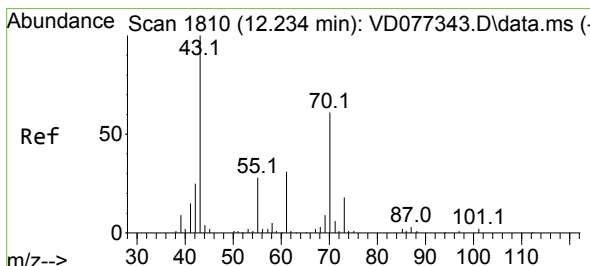
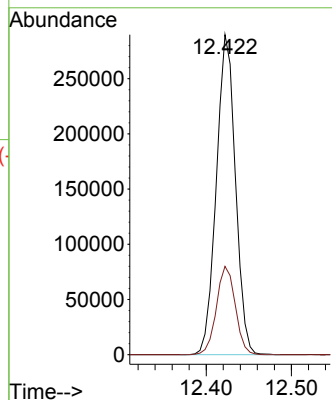
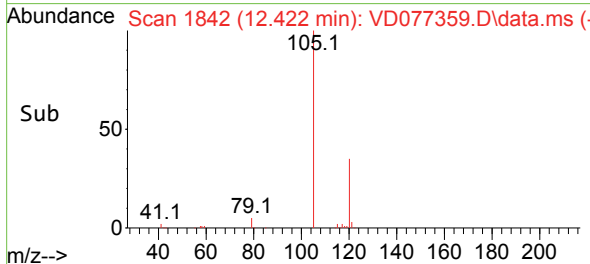


#73  
Isopropylbenzene  
Concen: 44.829 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

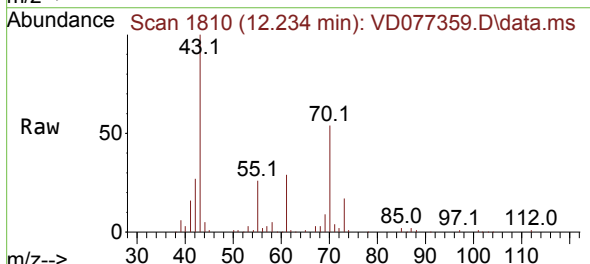
Instrument :  
MSVOA\_D  
ClientSampleId :



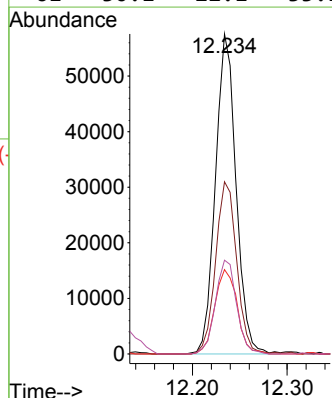
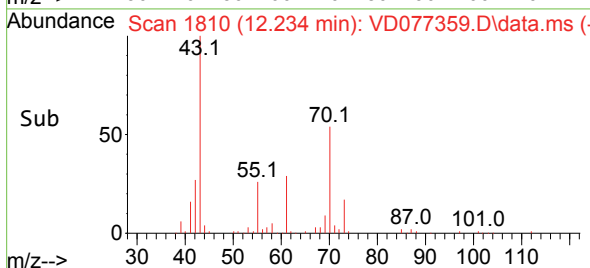
Tgt Ion:105 Resp: 451387  
Ion Ratio Lower Upper  
105 100  
120 27.3 14.3 42.9

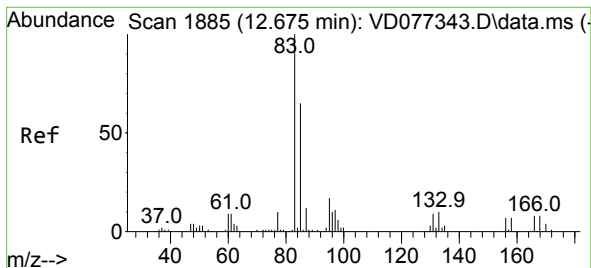


#74  
N-ethyl acetate  
Concen: 60.171 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41



Tgt Ion: 43 Resp: 87159  
Ion Ratio Lower Upper  
43 100  
70 55.4 45.0 67.4  
55 28.7 23.8 35.6  
61 30.1 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 56.158 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

ClientSampleId :

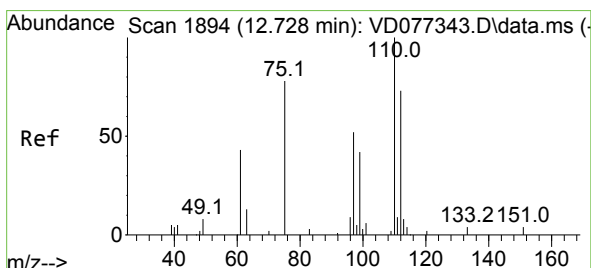
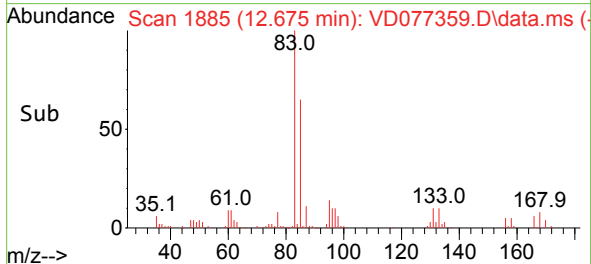
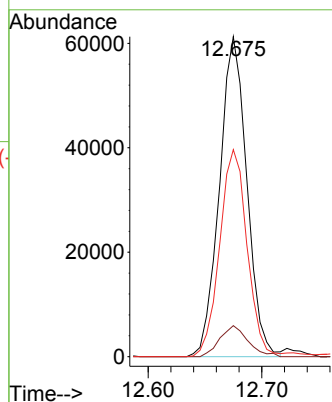
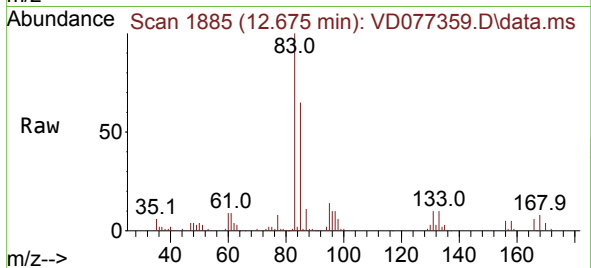
Tgt Ion: 83 Resp: 102754

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

85 64.6 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 56.385 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD077359.D

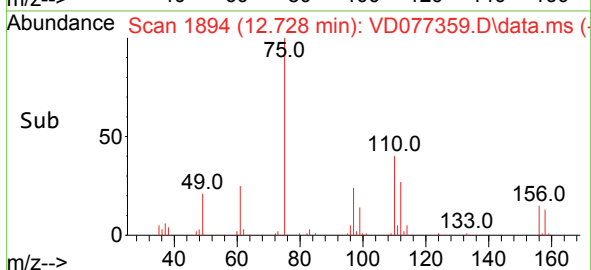
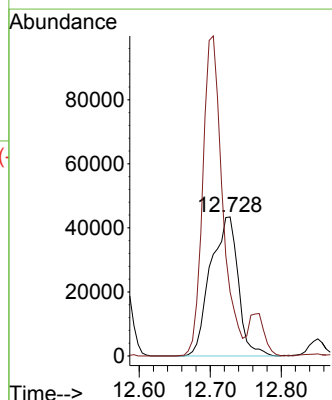
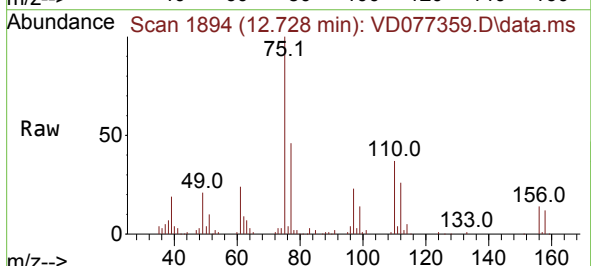
Acq: 20 Oct 2023 10:41

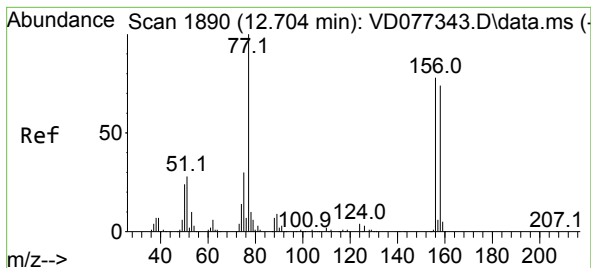
Tgt Ion: 75 Resp: 117290

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 44.046 ug/l

RT: 12.704 min Scan# 1890

Delta R.T. 0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

ClientSampleId :

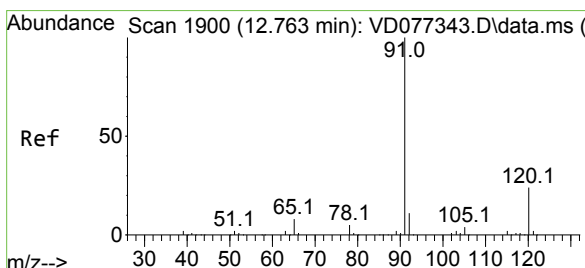
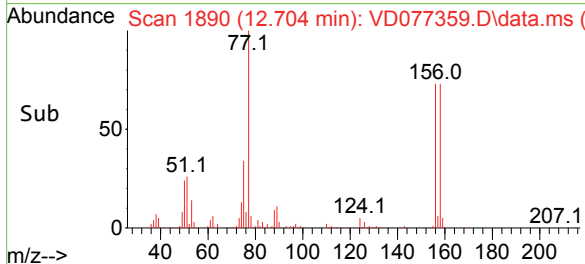
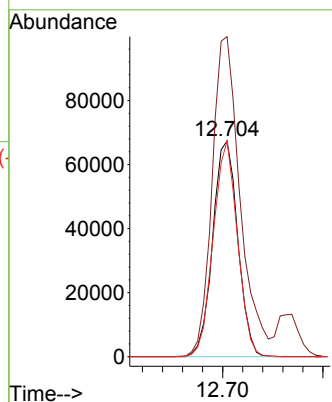
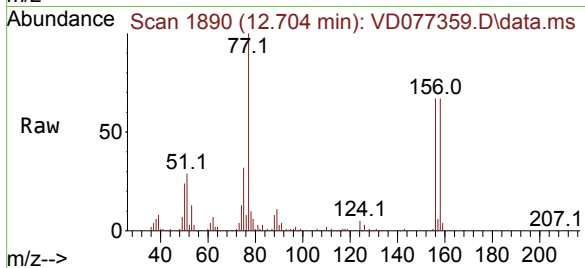
Tgt Ion:156 Resp: 116435

Ion Ratio Lower Upper

156 100

77 166.3 76.8 230.4

158 96.7 48.6 145.9



#78

n-propylbenzene

Concen: 47.314 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD077359.D

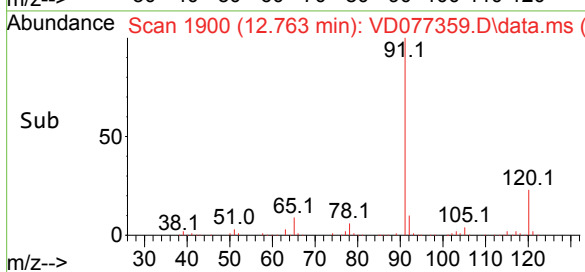
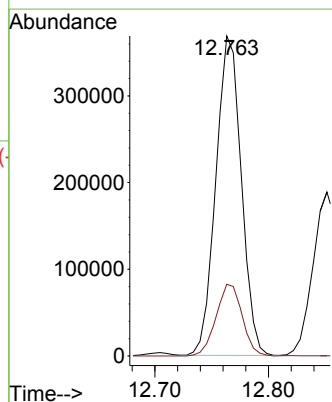
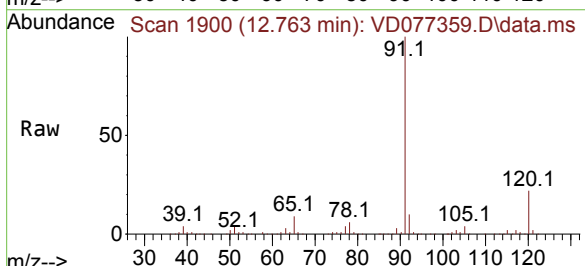
Acq: 20 Oct 2023 10:41

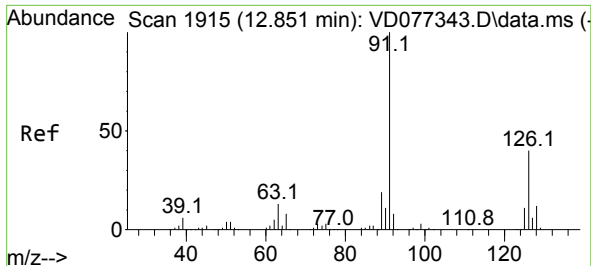
Tgt Ion: 91 Resp: 573758

Ion Ratio Lower Upper

91 100

120 23.0 12.4 37.2

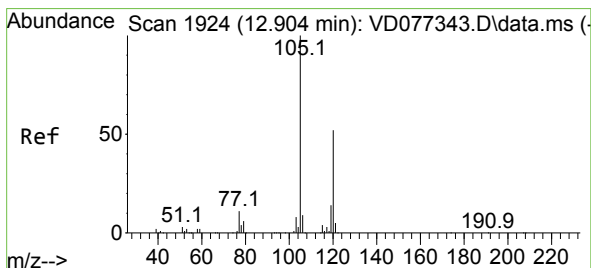
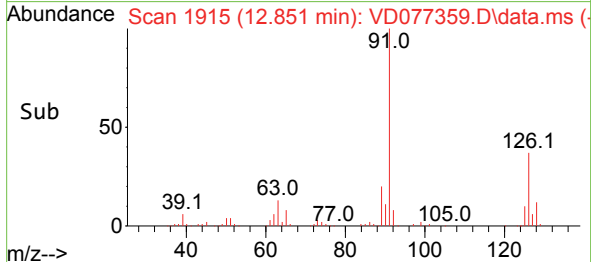
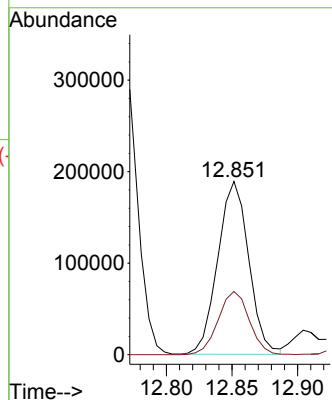
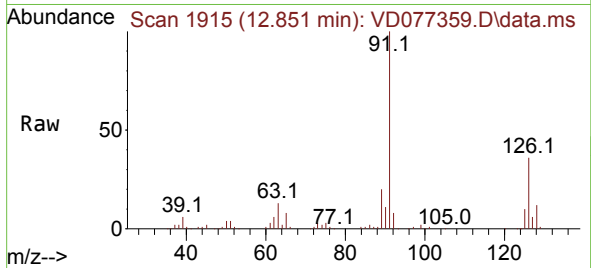




#79  
2-Chlorotoluene  
Concen: 47.090 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

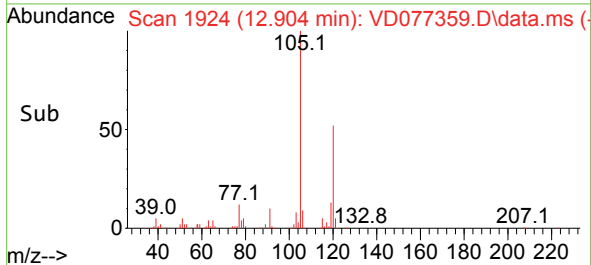
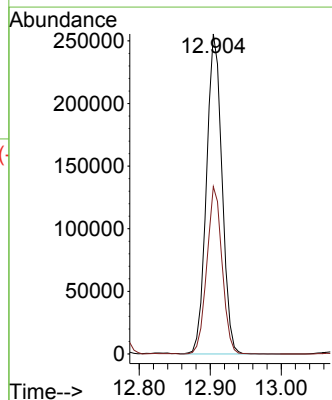
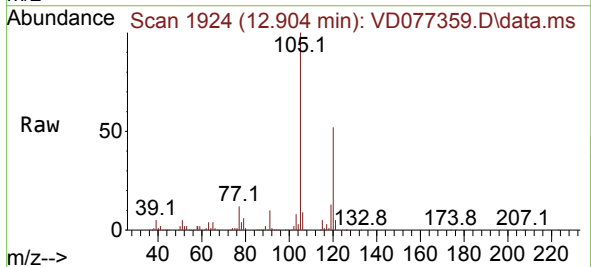
Instrument :  
MSVOA\_D  
ClientSampleId :

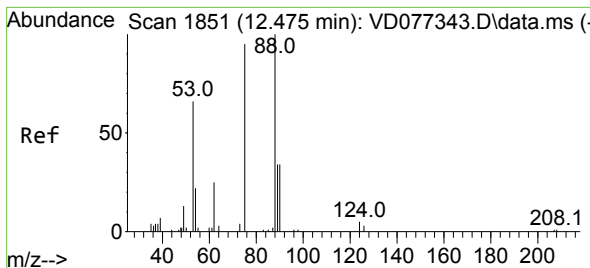
Tgt Ion: 91 Resp: 311029  
Ion Ratio Lower Upper  
91 100  
126 36.5 19.4 58.1



#80  
1,3,5-Trimethylbenzene  
Concen: 46.784 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 105 Resp: 388736  
Ion Ratio Lower Upper  
105 100  
120 51.2 26.4 79.2

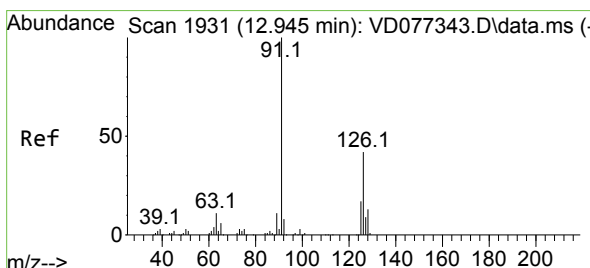
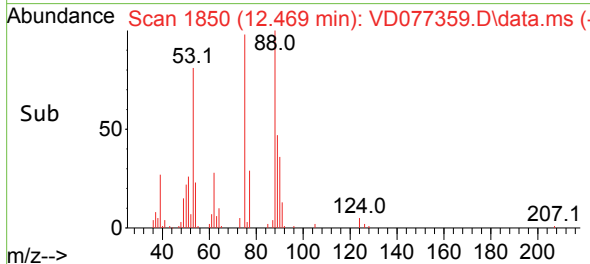
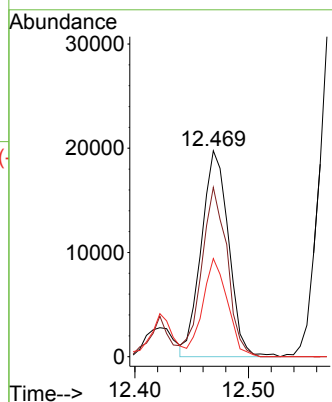
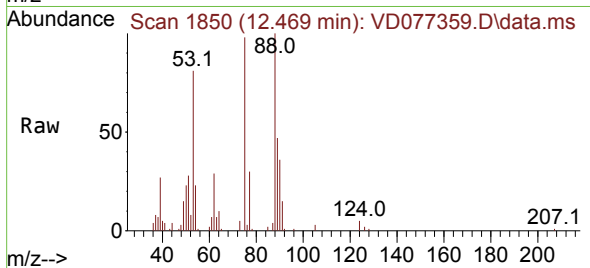




#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.000 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.006 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

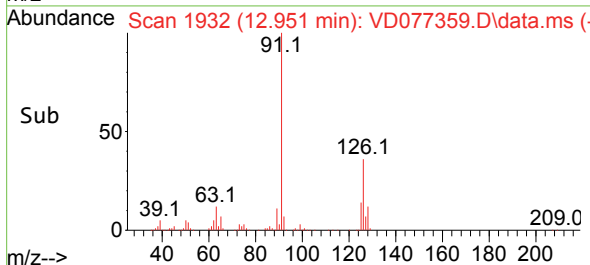
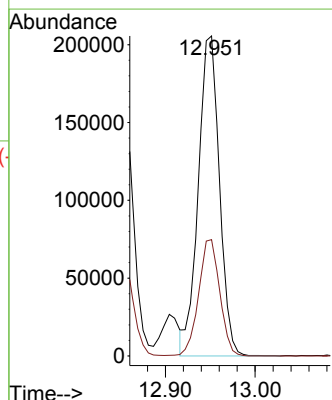
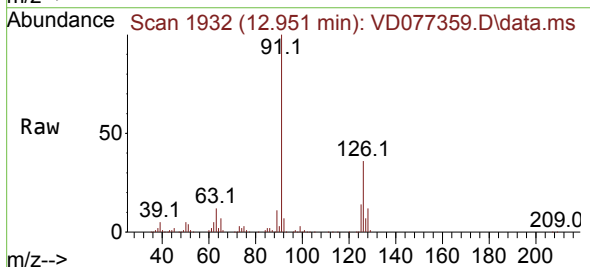
Instrument :  
MSVOA\_D  
ClientSampleId :

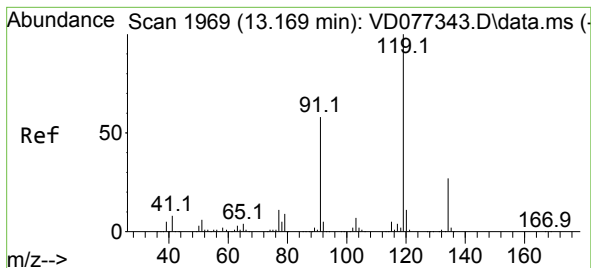
Tgt Ion: 75 Resp: 32951  
Ion Ratio Lower Upper  
75 100  
53 76.8 63.0 94.4  
89 42.9 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 48.952 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. 0.006 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion: 91 Resp: 336627  
Ion Ratio Lower Upper  
91 100  
126 36.4 19.4 58.4

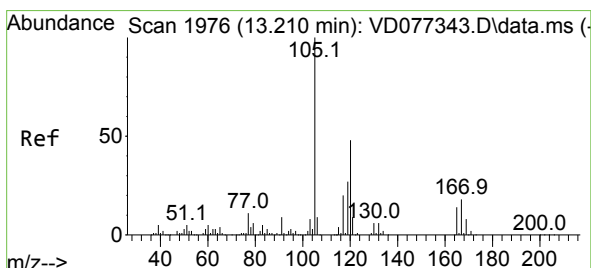
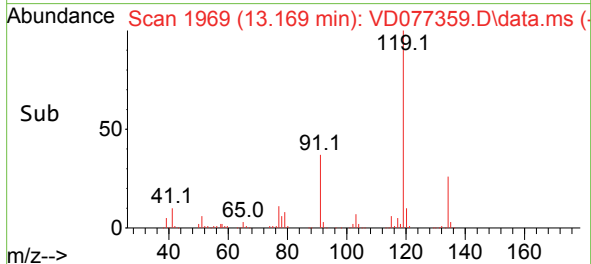
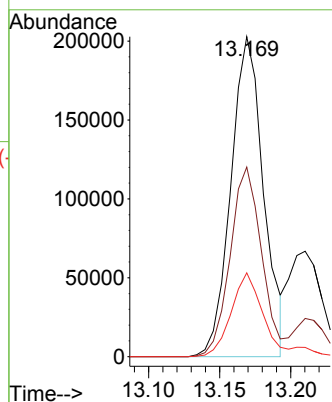
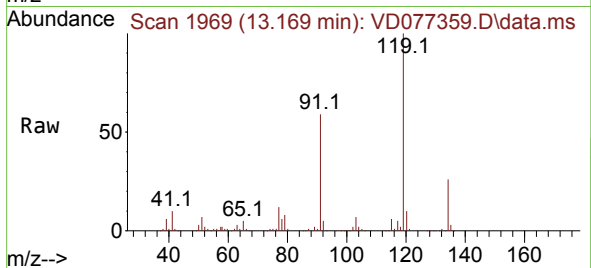




#83  
tert-Butylbenzene  
Concen: 44.023 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

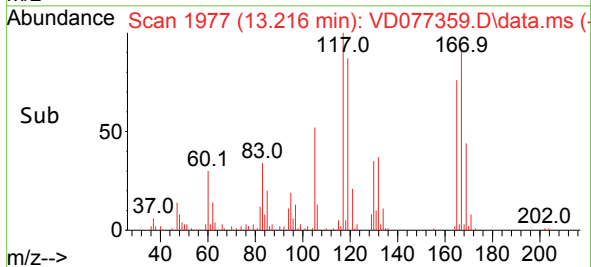
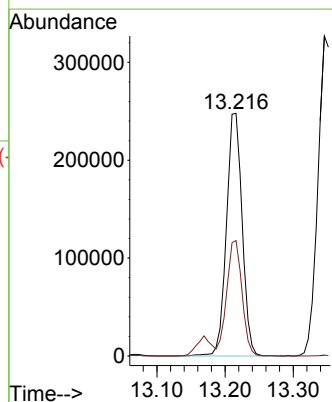
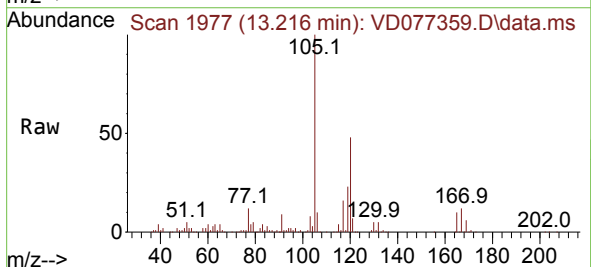
Instrument :  
MSVOA\_D  
ClientSampleId :

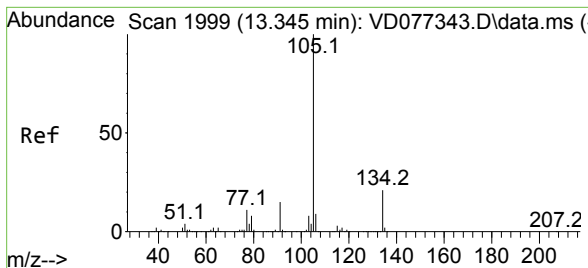
Tgt Ion:119 Resp: 324310  
Ion Ratio Lower Upper  
119 100  
91 56.7 29.3 87.8  
134 25.0 14.1 42.3



#84  
1,2,4-Trimethylbenzene  
Concen: 47.496 ug/l  
RT: 13.216 min Scan# 1977  
Delta R.T. 0.006 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion:105 Resp: 397347  
Ion Ratio Lower Upper  
105 100  
120 46.3 24.3 72.9





#85

sec-Butylbenzene

Concen: 45.951 ug/l

RT: 13.346 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

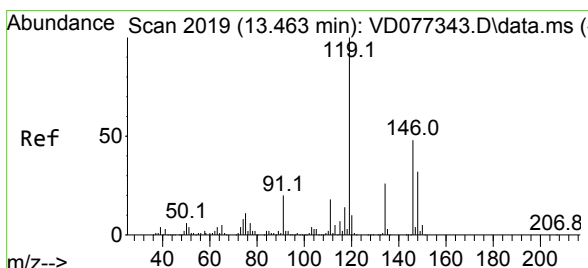
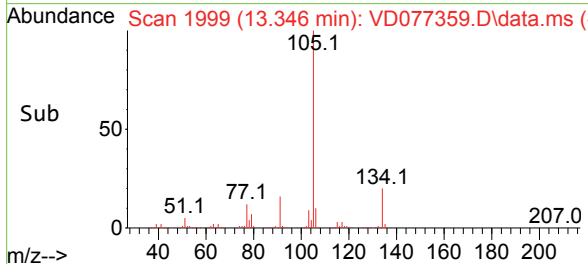
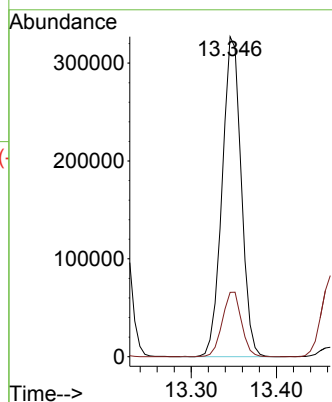
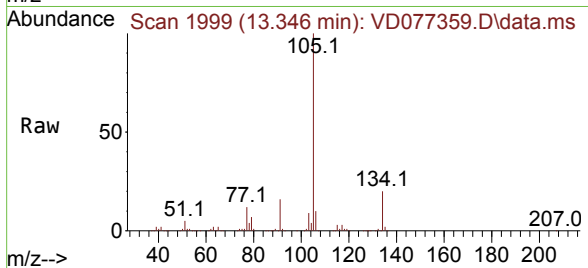
ClientSampleId :

Tgt Ion:105 Resp: 509391

Ion Ratio Lower Upper

105 100

134 20.3 10.9 32.9



#86

p-Isopropyltoluene

Concen: 44.902 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

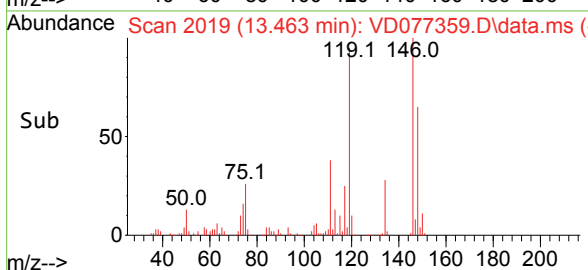
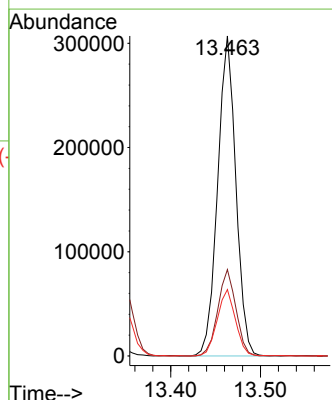
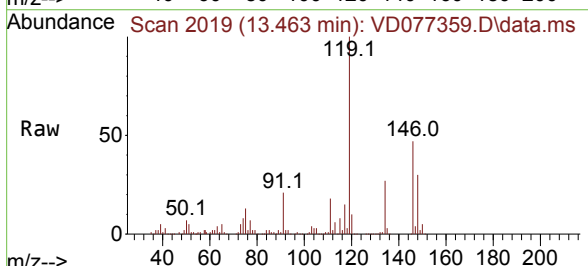
Tgt Ion:119 Resp: 432435

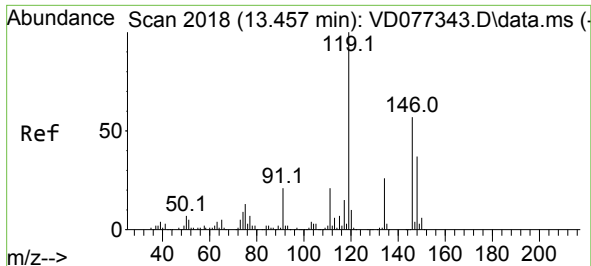
Ion Ratio Lower Upper

119 100

134 26.9 14.2 42.6

91 20.9 10.5 31.5

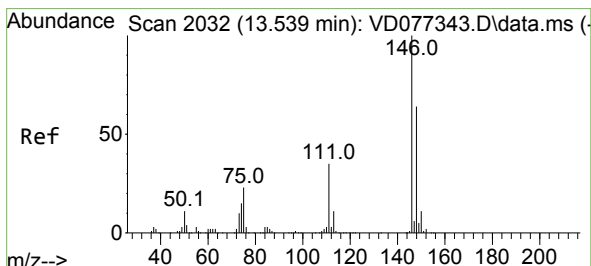
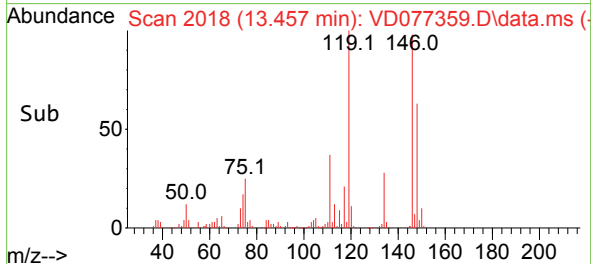
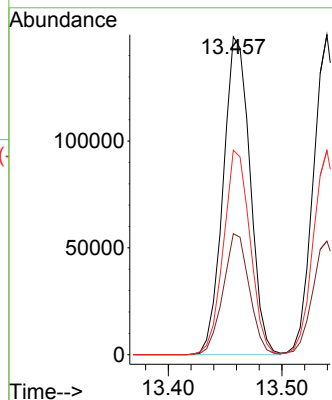
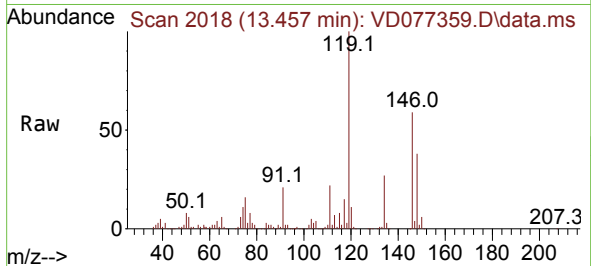




#87  
1,3-Dichlorobenzene  
Concen: 43.890 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

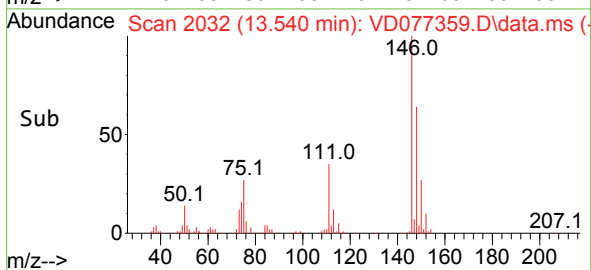
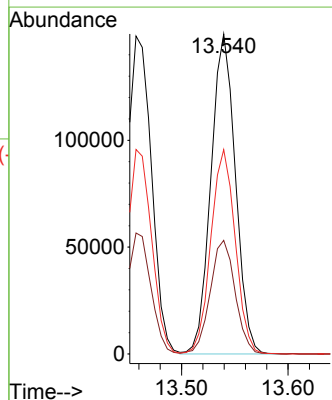
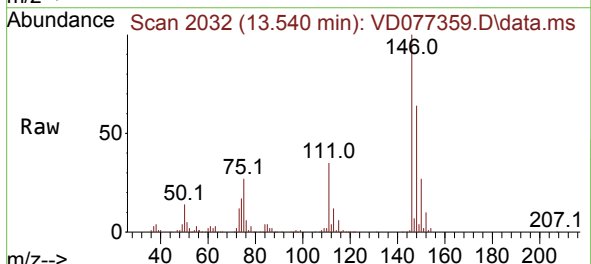
Instrument :  
MSVOA\_D  
ClientSampleId :

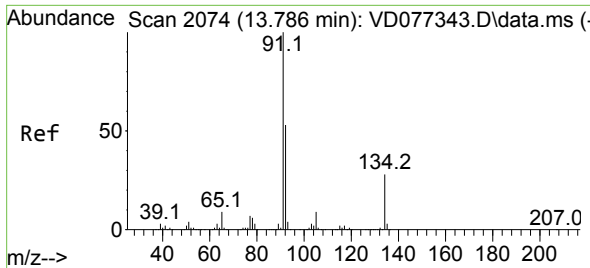
Tgt Ion:146 Resp: 244169  
Ion Ratio Lower Upper  
146 100  
111 37.3 17.9 53.8  
148 63.8 32.3 96.8



#88  
1,4-Dichlorobenzene  
Concen: 43.381 ug/l  
RT: 13.540 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

Tgt Ion:146 Resp: 239154  
Ion Ratio Lower Upper  
146 100  
111 36.4 17.4 52.3  
148 63.7 31.7 95.1

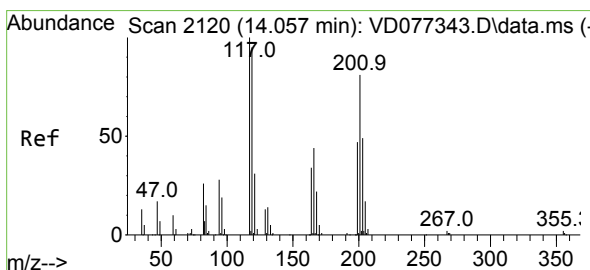
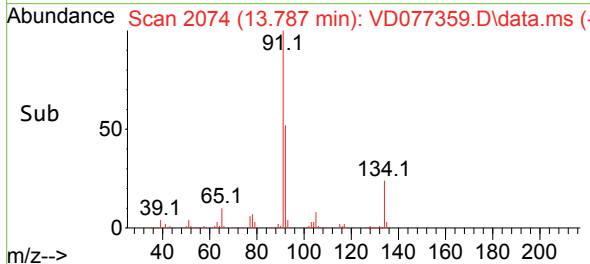
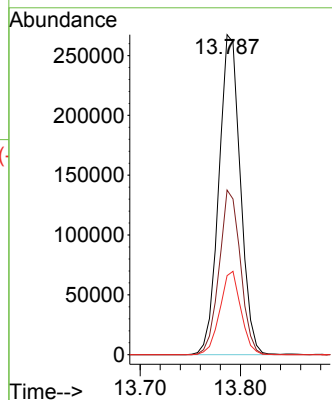
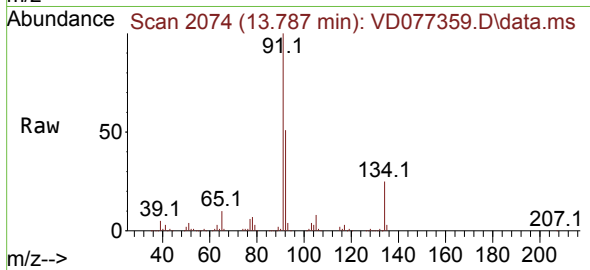




#89  
n-Butylbenzene  
Concen: 47.533 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

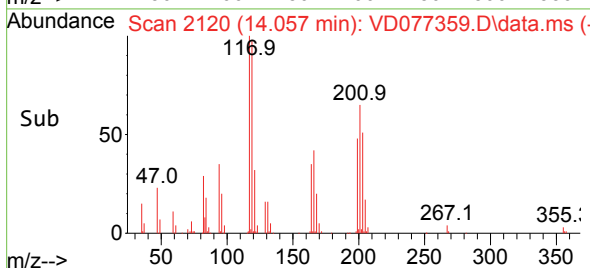
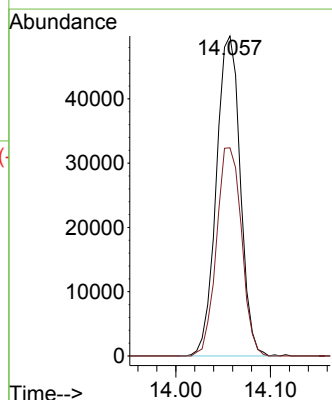
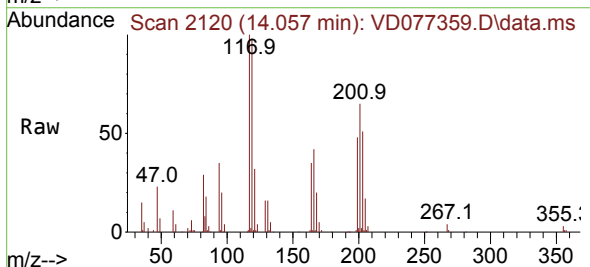
Instrument :  
MSVOA\_D  
ClientSampleId :

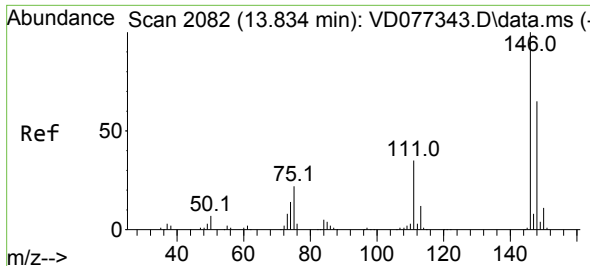
Tgt Ion: 91 Resp: 398603  
Ion Ratio Lower Upper  
91 100  
92 50.7 26.5 79.5  
134 25.5 13.8 41.3



#90  
Hexachloroethane  
Concen: 44.912 ug/l  
RT: 14.057 min Scan# 2120  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

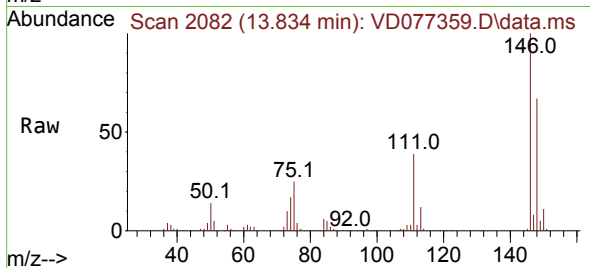
Tgt Ion: 117 Resp: 87431  
Ion Ratio Lower Upper  
117 100  
201 68.1 38.5 115.5



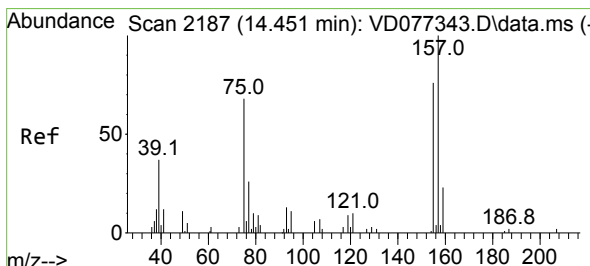
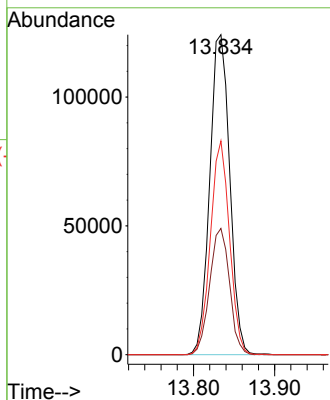
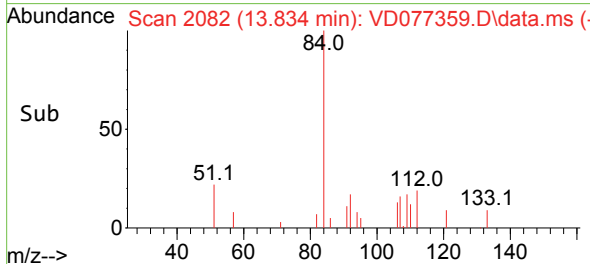


#91  
1,2-Dichlorobenzene  
Concen: 45.237 ug/l  
RT: 13.834 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41

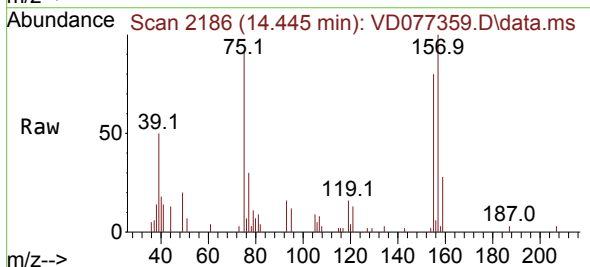
Instrument :  
MSVOA\_D  
ClientSampleId :



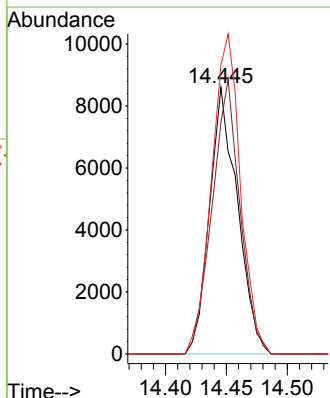
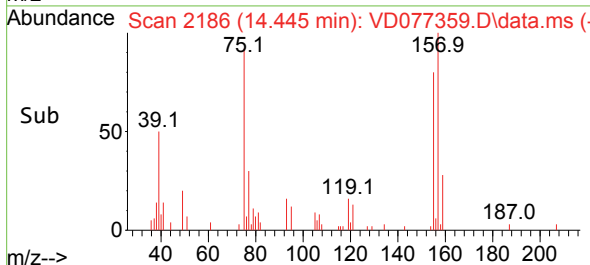
Tgt Ion:146 Resp: 212588  
Ion Ratio Lower Upper  
146 100  
111 39.2 18.3 54.8  
148 63.9 31.6 94.7

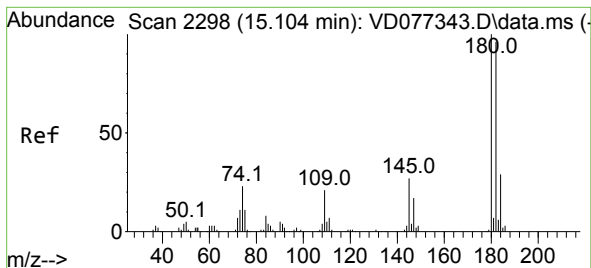


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 61.133 ug/l  
RT: 14.445 min Scan# 2186  
Delta R.T. -0.006 min  
Lab File: VD077359.D  
Acq: 20 Oct 2023 10:41



Tgt Ion: 75 Resp: 13691  
Ion Ratio Lower Upper  
75 100  
155 102.9 47.9 143.8  
157 124.3 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 41.269 ug/l

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

ClientSampleId :

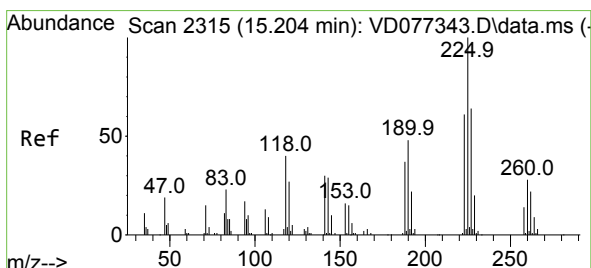
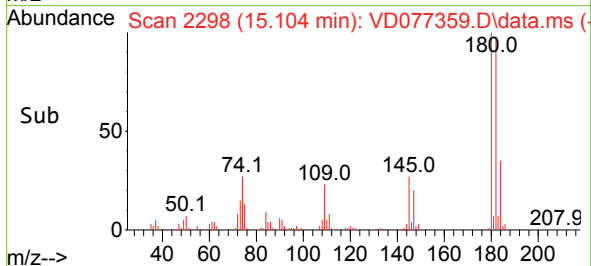
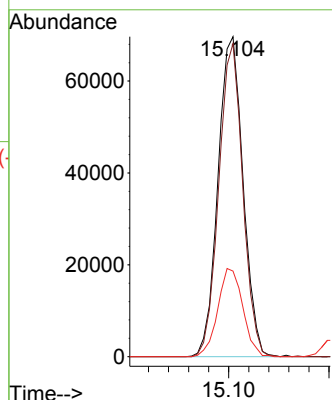
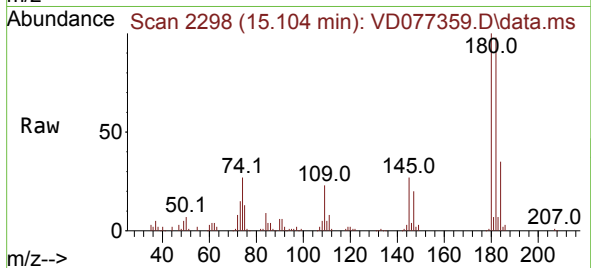
Tgt Ion:180 Resp: 120835

Ion Ratio Lower Upper

180 100

182 93.2 48.5 145.6

145 27.6 14.2 42.6



#94

Hexachlorobutadiene

Concen: 36.876 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

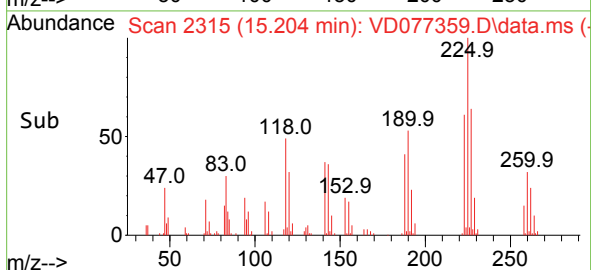
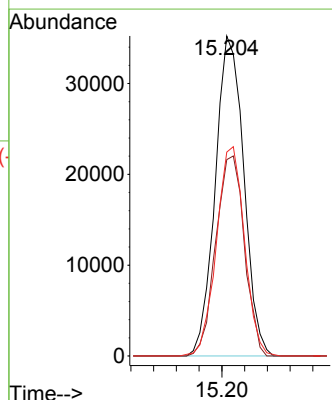
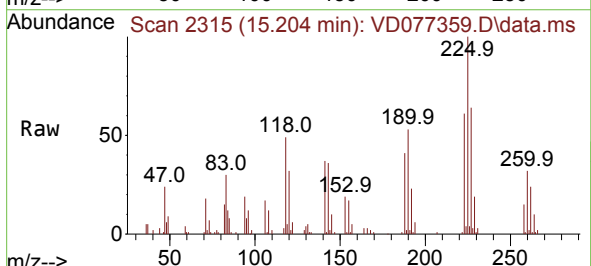
Tgt Ion:225 Resp: 61322

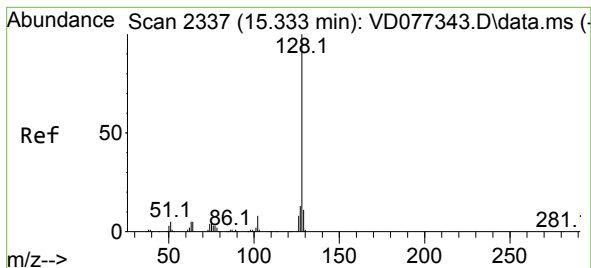
Ion Ratio Lower Upper

225 100

223 62.6 31.6 94.8

227 64.3 31.7 95.1





#95

Naphthalene

Concen: 49.570 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Instrument :

MSVOA\_D

ClientSampleId :

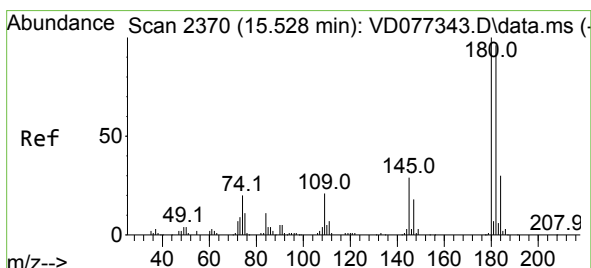
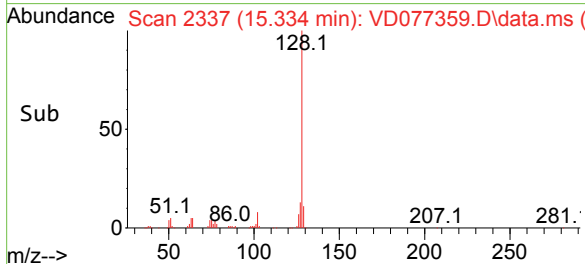
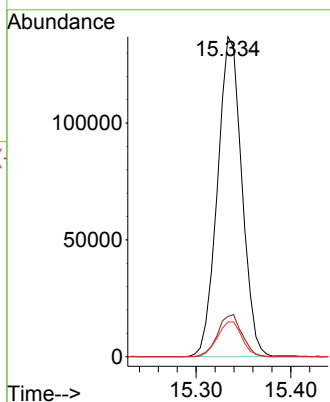
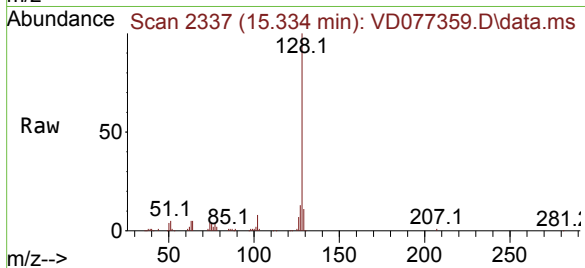
Tgt Ion:128 Resp: 245056

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 10.8 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 43.208 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. -0.006 min

Lab File: VD077359.D

Acq: 20 Oct 2023 10:41

Tgt Ion:180 Resp: 109811

Ion Ratio Lower Upper

180 100

182 93.4 47.3 141.9

145 30.5 15.1 45.3

