

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102523\  
 Data File : VD077406.D  
 Acq On : 25 Oct 2023 10:34  
 Operator : JC/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 26 06:56:16 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  | 222089   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 370983   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 351013   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 204972   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 86871    | 43.805   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 87.620% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 107876   | 41.390   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 82.780% |
| 50) Toluene-d8              | 10.269 | 98    | 383238   | 41.058   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 82.120% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 117066   | 43.569   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 87.140% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 101581 | 49.198  | ug/l   | 93  |
| 3) Chloromethane             | 2.152 | 50  | 180151 | 42.847  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.287 | 62  | 238862 | 48.094  | ug/l   | 100 |
| 5) Bromomethane              | 2.693 | 94  | 142412 | 44.620  | ug/l   | 97  |
| 6) Chloroethane              | 2.840 | 64  | 168180 | 48.169  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.181 | 101 | 258316 | 51.270  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.599 | 74  | 57593  | 42.650  | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 3.975 | 101 | 116351 | 44.637  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.164 | 142 | 136084 | 42.667  | ug/l   | 93  |
| 11) Tert butyl alcohol       | 5.052 | 59  | 27684  | 248.158 | ug/l # | 89  |
| 12) 1,1-Dichloroethene       | 3.946 | 96  | 113781 | 44.496  | ug/l   | 94  |
| 13) Acrolein                 | 3.799 | 56  | 45634  | 235.647 | ug/l   | 99  |
| 14) Allyl chloride           | 4.564 | 41  | 116759 | 48.124  | ug/l   | 95  |
| 15) Acrylonitrile            | 5.252 | 53  | 114882 | 280.734 | ug/l   | 97  |
| 16) Acetone                  | 4.017 | 43  | 106168 | 244.135 | ug/l   | 95  |
| 17) Carbon Disulfide         | 4.275 | 76  | 327514 | 43.569  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.558 | 43  | 76034  | 50.237  | ug/l   | 95  |
| 19) Methyl tert-butyl Ether  | 5.316 | 73  | 236769 | 54.362  | ug/l   | 95  |
| 20) Methylene Chloride       | 4.805 | 84  | 144561 | 55.443  | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene | 5.316 | 96  | 134118 | 50.428  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.216 | 45  | 282765 | 59.370  | ug/l   | 98  |
| 23) Vinyl Acetate            | 6.158 | 43  | 666476 | 298.601 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.111 | 63  | 209406 | 52.881  | ug/l   | 97  |
| 25) 2-Butanone               | 7.081 | 43  | 125887 | 279.061 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 7.081 | 77  | 190023 | 52.628  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 7.081 | 96  | 152508 | 51.141  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.422 | 49  | 83632  | 57.816  | ug/l   | 97  |
| 29) Tetrahydrofuran          | 7.440 | 42  | 73073  | 280.809 | ug/l   | 98  |
| 30) Chloroform               | 7.599 | 83  | 233382 | 51.367  | ug/l   | 97  |
| 31) Cyclohexane              | 7.881 | 56  | 158733 | 51.446  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 7.799 | 97  | 200924 | 51.260  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 8.005 | 75  | 175431 | 51.226  | ug/l   | 100 |
| 37) Ethyl Acetate            | 7.169 | 43  | 53787  | 50.000  | ug/l   | 100 |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 188245 | 49.412  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.275 | 83  | 196694 | 47.268  | ug/l   | 96  |
| 40) Benzene                  | 8.252 | 78  | 525869 | 50.600  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 26 06:56:16 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) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 28808    | 56.113  | ug/l # | 92       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 120176   | 49.092  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.363  | 43   | 101719   | 52.524  | ug/l   | 99       |
| 44) Trichloroethene           | 9.028  | 130  | 141436   | 46.548  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 121554   | 50.738  | ug/l   | 99       |
| 46) Dibromomethane            | 9.393  | 93   | 72508    | 48.412  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.587  | 83   | 174102   | 48.749  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.381  | 41   | 46267    | 52.811  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 14101    | 959.955 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 268906   | 276.998 | ug/l   | 95       |
| 52) Toluene                   | 10.334 | 92   | 335877   | 49.498  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 160154   | 49.959  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 195123   | 49.747  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 98677    | 47.568  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 104175   | 52.547  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 158817   | 49.840  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 264116   | 269.396 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.922 | 43   | 192927   | 276.703 | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.075 | 129  | 121324   | 45.803  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 92582    | 47.363  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 113994   | 43.693  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.610 | 112  | 358139   | 46.809  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 132640   | 45.606  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.687 | 91   | 623035   | 49.124  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.793 | 106  | 512458   | 98.396  | ug/l   | 97       |
| 69) o-Xylene                  | 12.122 | 106  | 231881   | 48.365  | ug/l   | 97       |
| 70) Styrene                   | 12.140 | 104  | 404859   | 49.494  | ug/l   | 100      |
| 71) Bromoform                 | 12.304 | 173  | 73703    | 46.228  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 616755   | 45.491  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.234 | 43   | 93403    | 47.889  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 109527   | 44.457  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 130062   | 46.919  | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 145871   | 40.982  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.763 | 91   | 742024   | 45.445  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 394136   | 44.317  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 503863   | 45.036  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.475 | 75   | 35513    | 46.425  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 414449   | 44.761  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 446592   | 45.023  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 522592   | 46.393  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 719215   | 48.184  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 641503   | 49.471  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 357573   | 47.736  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 377513   | 50.858  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.787 | 91   | 539047   | 47.740  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 116479   | 44.438  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 278923   | 44.080  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 14226    | 47.176  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 158507   | 40.205  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.210 | 225  | 85220    | 38.061  | ug/l   | 100      |
| 95) Naphthalene               | 15.334 | 128  | 278266   | 41.804  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 137481   | 40.176  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Oct 26 06:56:16 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

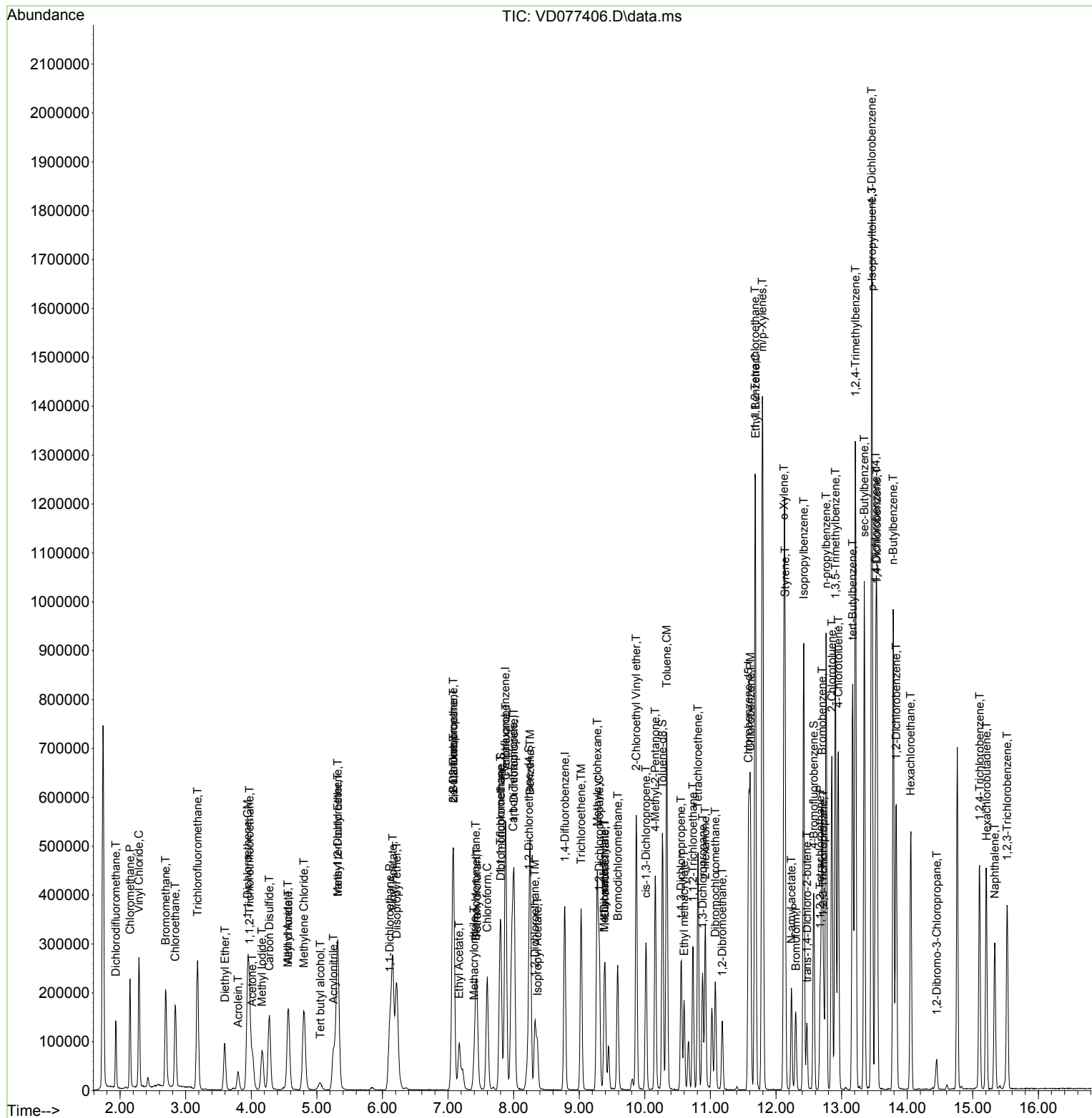
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

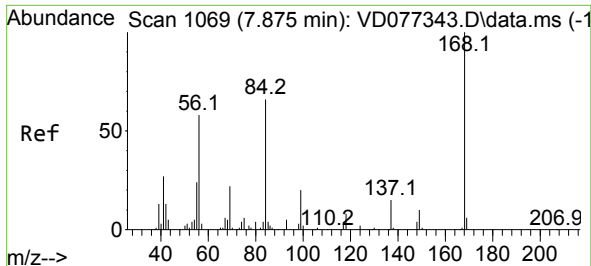
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VSTDCCC050  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
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Quant Title : SW846 8260  
QLast Update : Wed Oct 18 03:02:43 2023  
Response via : Initial Calibration

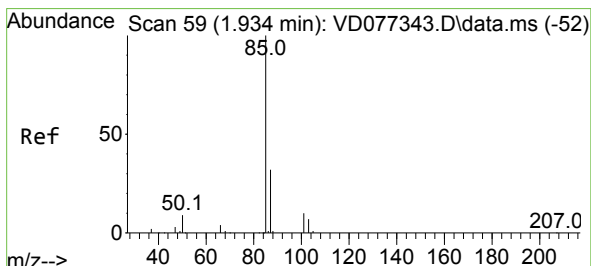
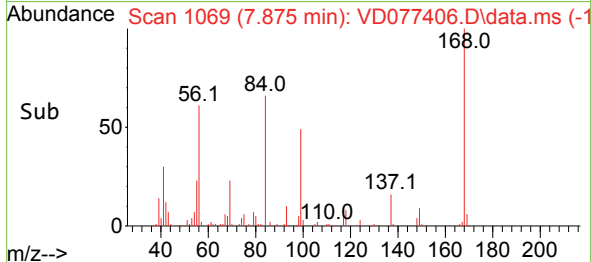
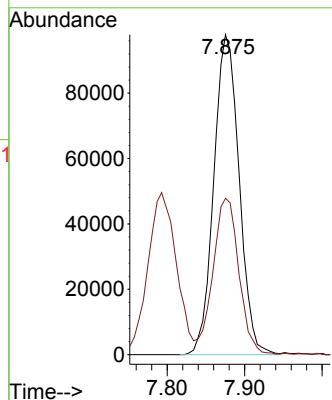
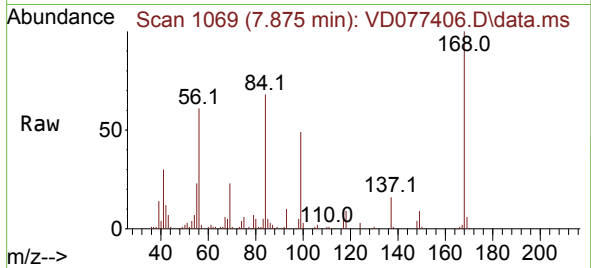




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

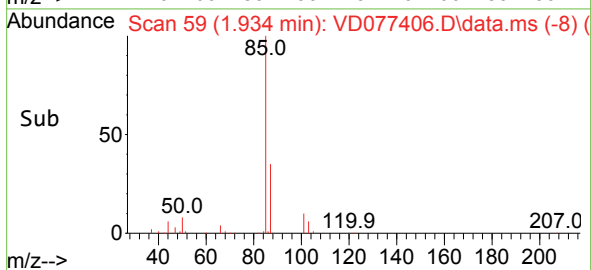
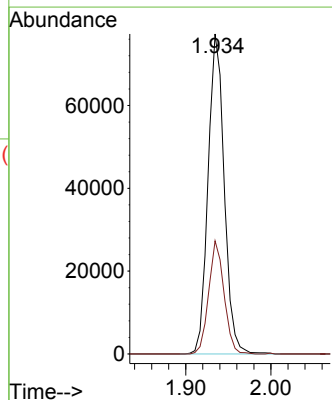
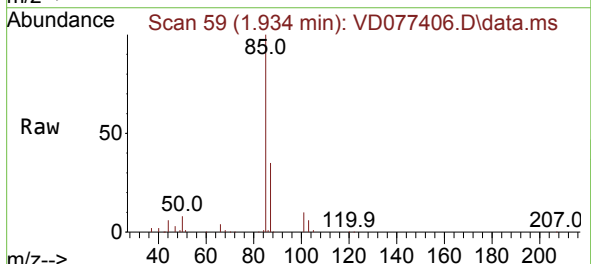
Instrument :  
MSVOA\_D  
ClientSampleId :

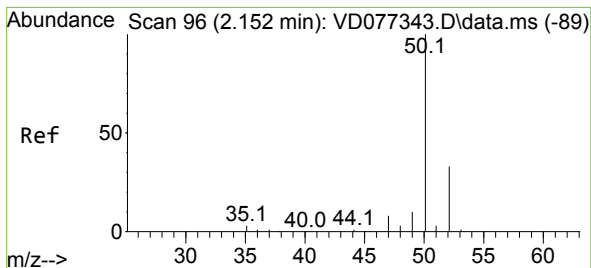
Tgt Ion:168 Resp: 222089  
Ion Ratio Lower Upper  
168 100  
99 48.6 36.7 55.1



#2  
Dichlorodifluoromethane  
Concen: 49.198 ug/l  
RT: 1.934 min Scan# 59  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion: 85 Resp: 101581  
Ion Ratio Lower Upper  
85 100  
87 35.4 15.7 47.0





#3

Chloromethane

Concen: 42.847 ug/l

RT: 2.152 min Scan# 96

Delta R.T. -0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

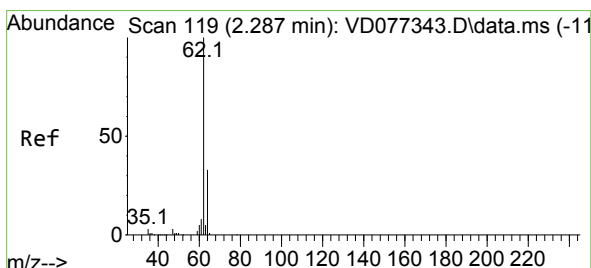
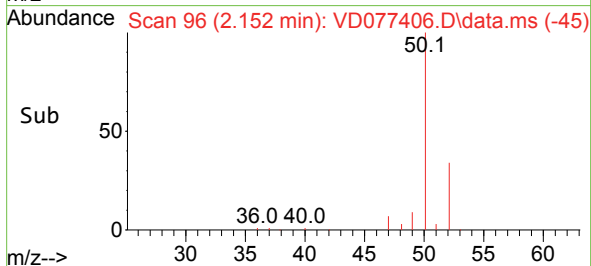
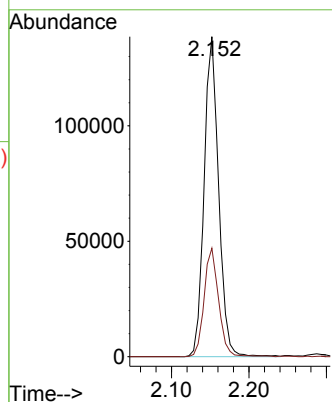
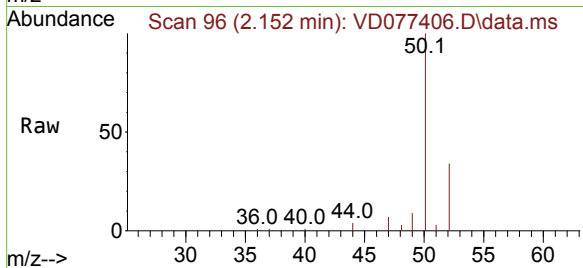
ClientSampleId :

Tgt Ion: 50 Resp: 180151

Ion Ratio Lower Upper

50 100

52 33.9 26.6 40.0



#4

Vinyl Chloride

Concen: 48.094 ug/l

RT: 2.287 min Scan# 119

Delta R.T. 0.000 min

Lab File: VD077406.D

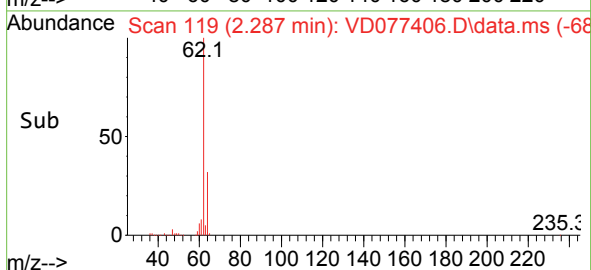
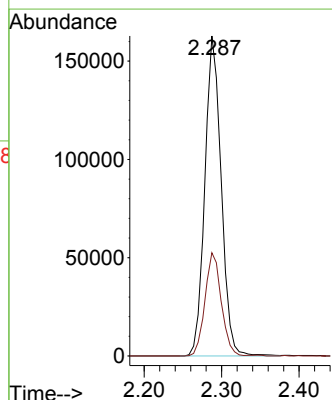
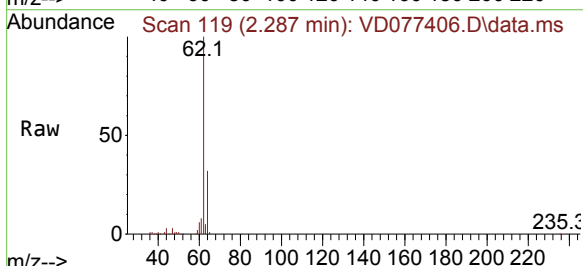
Acq: 25 Oct 2023 10:34

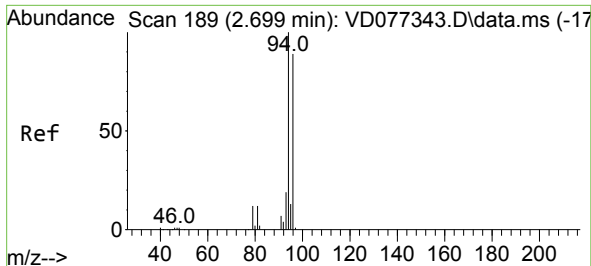
Tgt Ion: 62 Resp: 238862

Ion Ratio Lower Upper

62 100

64 32.3 26.0 39.0

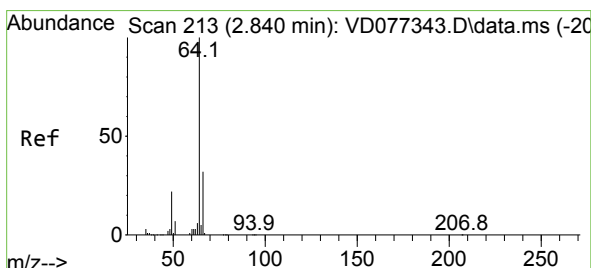
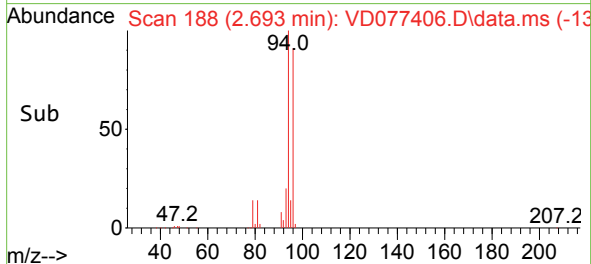
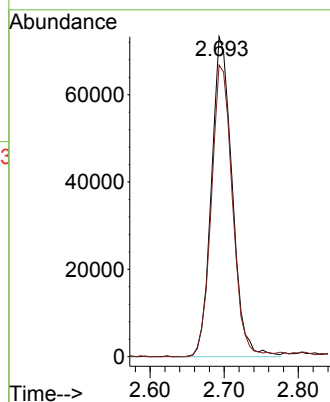
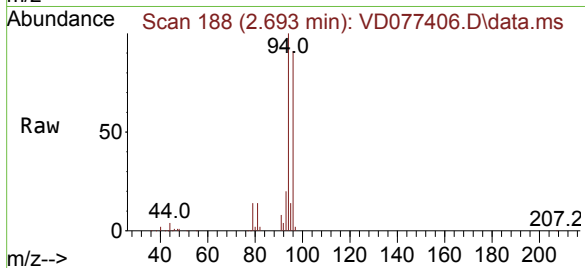




#5  
Bromomethane  
Concen: 44.620 ug/l  
RT: 2.693 min Scan# 189  
Delta R.T. -0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

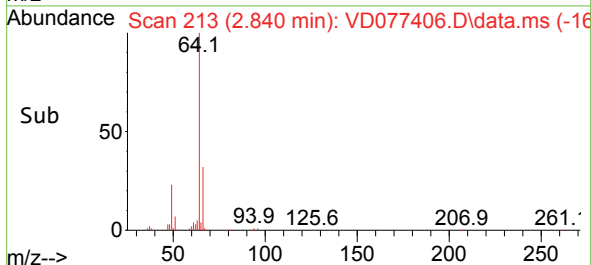
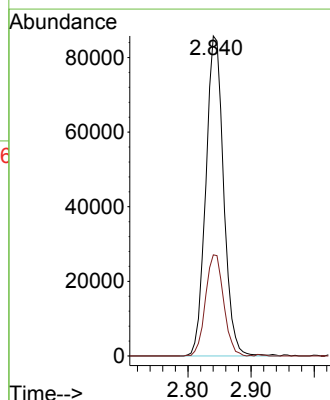
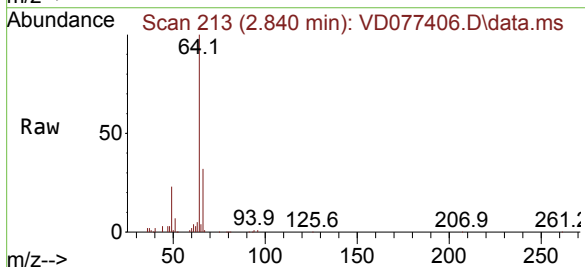
Instrument :  
MSVOA\_D  
ClientSampleId :

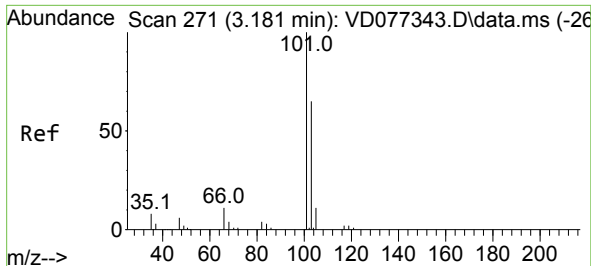
Tgt Ion: 94 Resp: 142412  
Ion Ratio Lower Upper  
94 100  
96 92.3 75.8 113.8



#6  
Chloroethane  
Concen: 48.169 ug/l  
RT: 2.840 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion: 64 Resp: 168180  
Ion Ratio Lower Upper  
64 100  
66 31.6 25.5 38.3

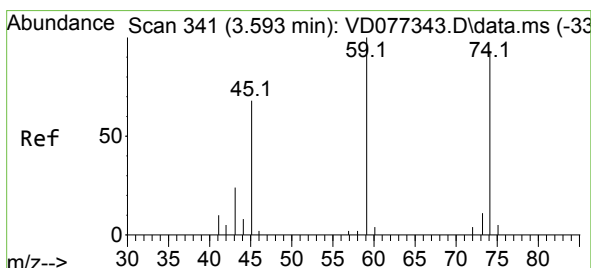
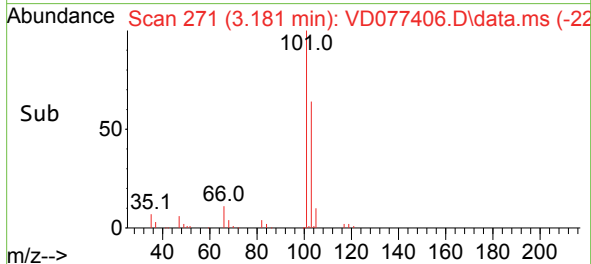
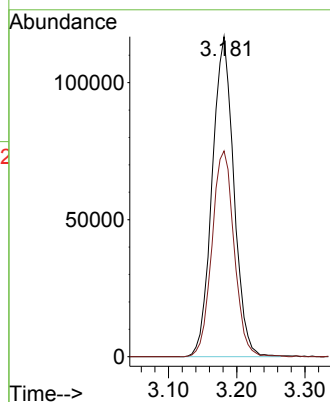
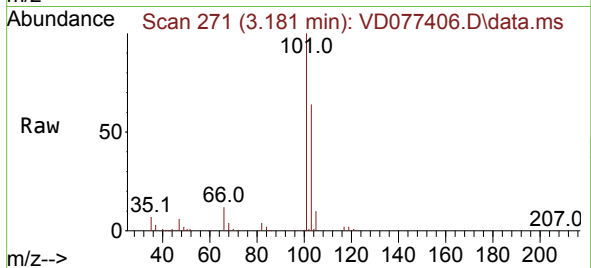




#7  
 Trichlorofluoromethane  
 Concen: 51.270 ug/l  
 RT: 3.181 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

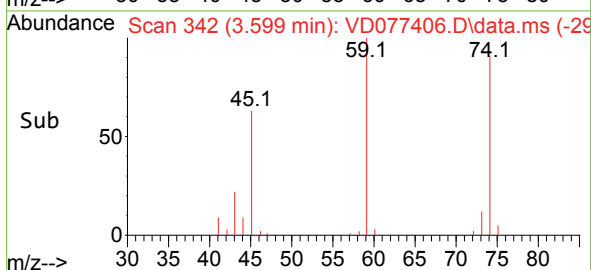
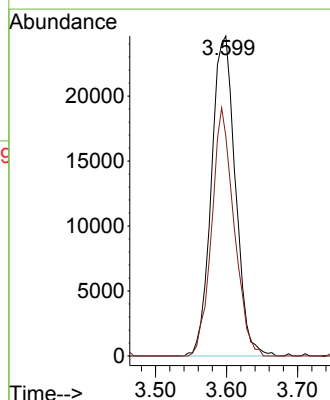
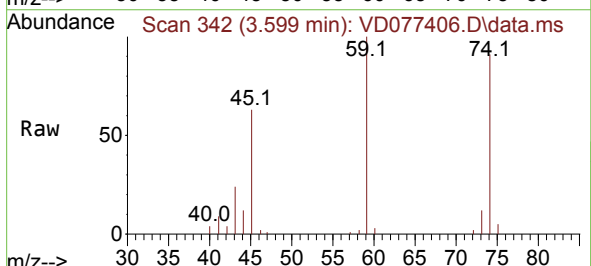
Instrument :  
 MSVOA\_D  
 ClientSampleId :

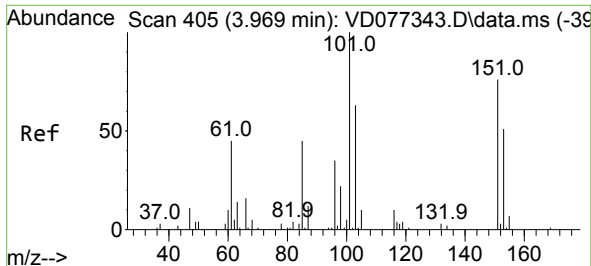
Tgt Ion:101 Resp: 258316  
 Ion Ratio Lower Upper  
 101 100  
 103 64.3 52.3 78.5



#8  
 Diethyl Ether  
 Concen: 42.650 ug/l  
 RT: 3.599 min Scan# 342  
 Delta R.T. 0.006 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

Tgt Ion: 74 Resp: 57593  
 Ion Ratio Lower Upper  
 74 100  
 45 72.4 37.5 112.7

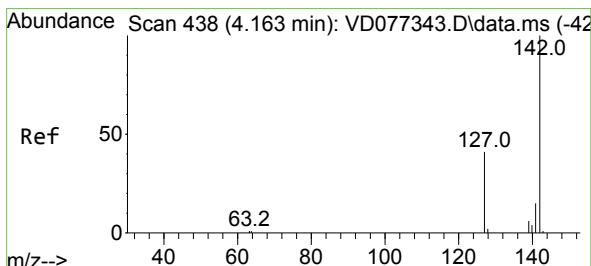
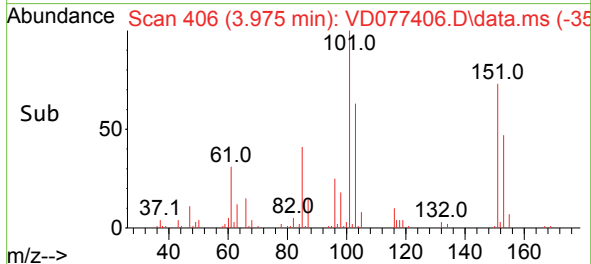
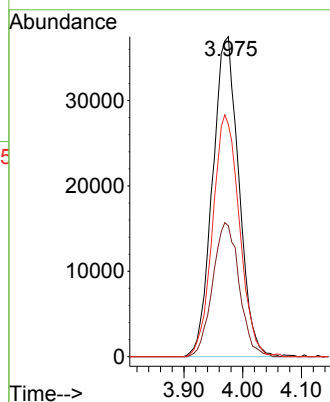
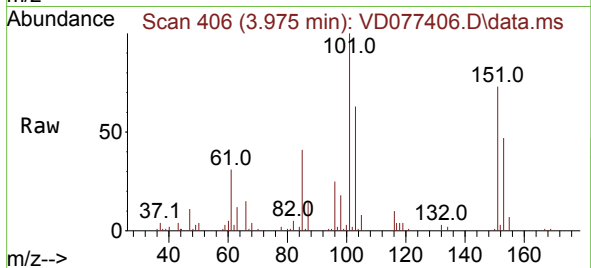




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 44.637 ug/l  
RT: 3.975 min Scan# 405  
Delta R.T. 0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

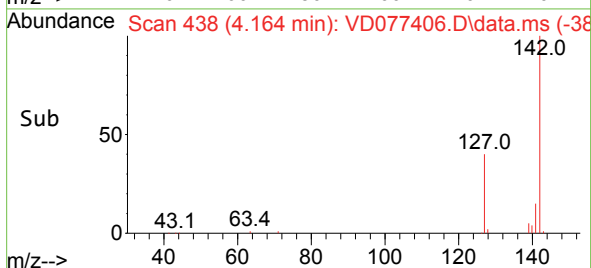
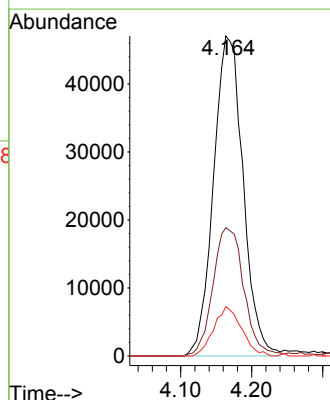
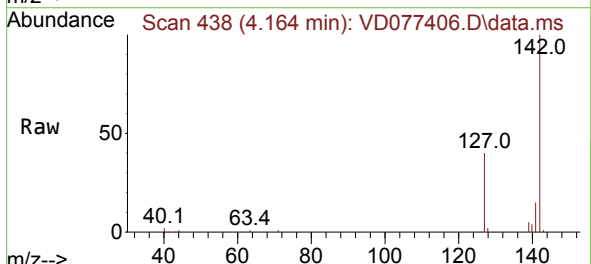
Instrument :  
MSVOA\_D  
ClientSampleId :

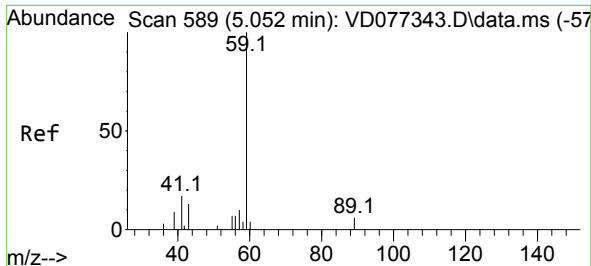
Tgt Ion:101 Resp: 116351  
Ion Ratio Lower Upper  
101 100  
85 42.3 33.8 50.6  
151 77.1 59.8 89.6



#10  
Methyl Iodide  
Concen: 42.667 ug/l  
RT: 4.164 min Scan# 438  
Delta R.T. 0.001 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

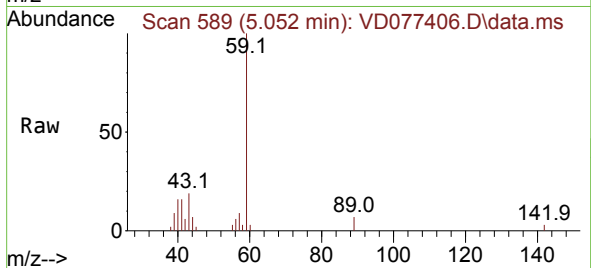
Tgt Ion:142 Resp: 136084  
Ion Ratio Lower Upper  
142 100  
127 41.8 29.4 44.0  
141 14.5 11.1 16.7



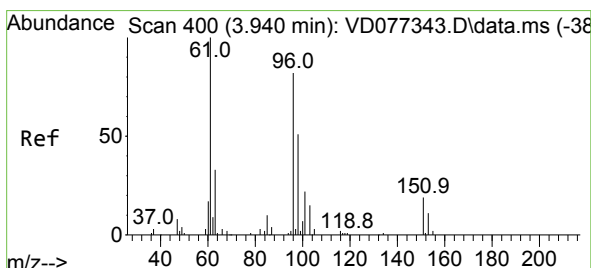
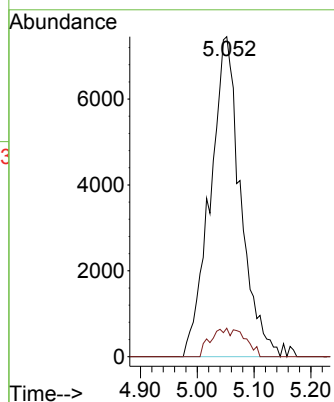
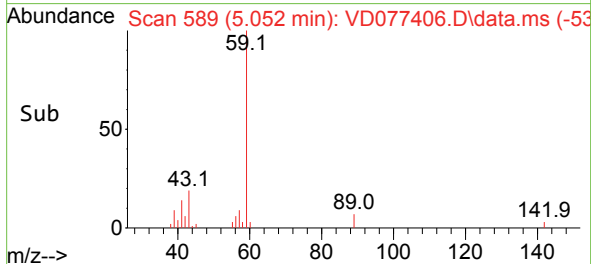


#11  
Tert butyl alcohol  
Concen: 248.158 ug/l  
RT: 5.052 min Scan# 589  
Delta R.T. -0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

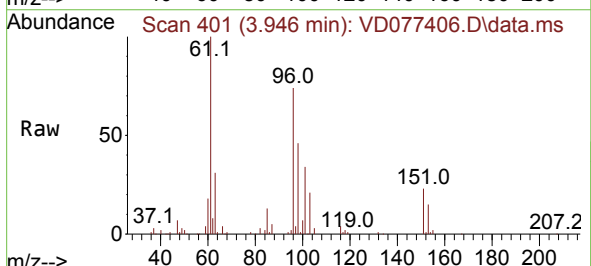
Instrument :  
MSVOA\_D  
ClientSampleId :



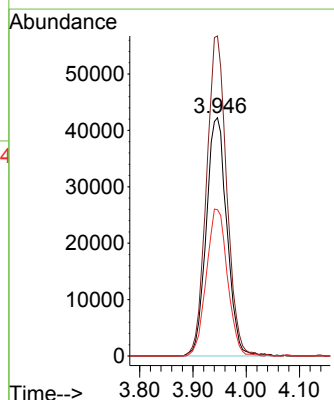
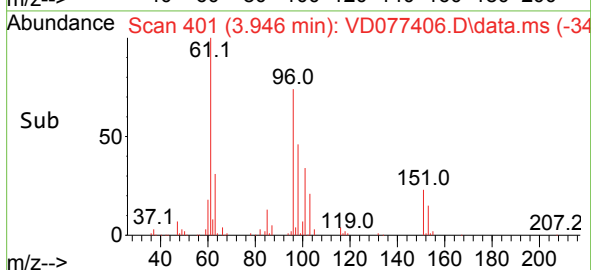
Tgt Ion: 59 Resp: 27684  
Ion Ratio Lower Upper  
59 100  
57 5.6 7.8 11.8#

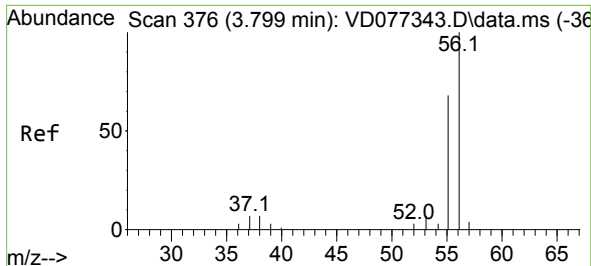


#12  
1,1-Dichloroethene  
Concen: 44.496 ug/l  
RT: 3.946 min Scan# 401  
Delta R.T. 0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34



Tgt Ion: 96 Resp: 113781  
Ion Ratio Lower Upper  
96 100  
61 134.3 100.6 150.8  
98 61.3 50.2 75.2





#13

Acrolein

Concen: 235.647 ug/l

RT: 3.799 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

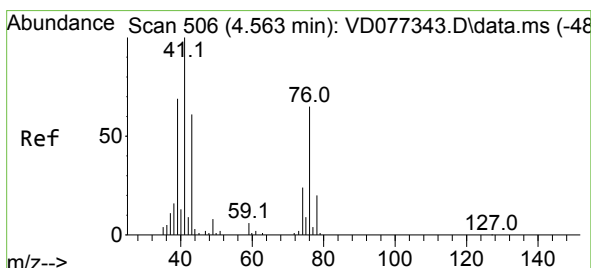
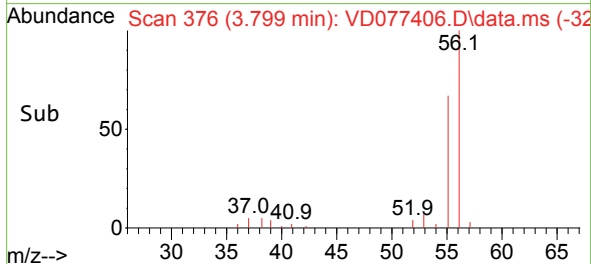
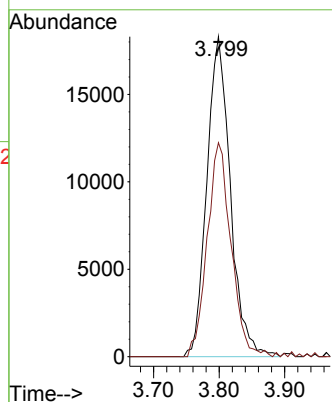
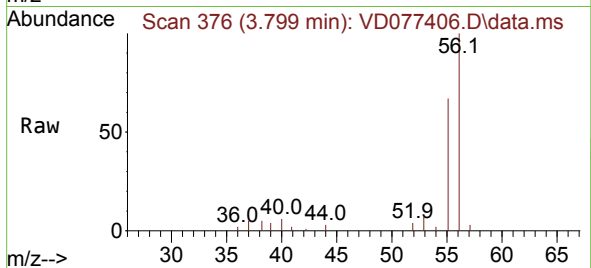
ClientSampleId :

Tgt Ion: 56 Resp: 45634

Ion Ratio Lower Upper

56 100

55 67.8 55.1 82.7



#14

Allyl chloride

Concen: 48.124 ug/l

RT: 4.564 min Scan# 506

Delta R.T. 0.001 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

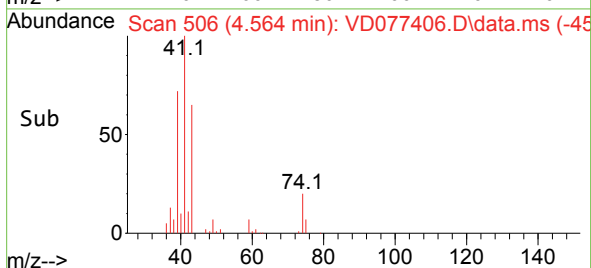
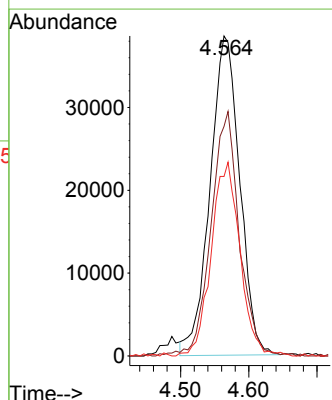
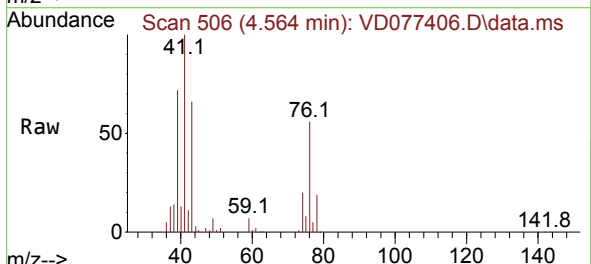
Tgt Ion: 41 Resp: 116759

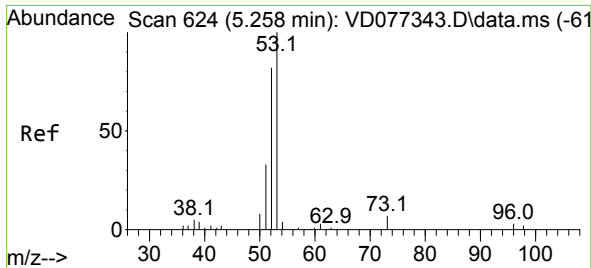
Ion Ratio Lower Upper

41 100

39 72.9 53.8 80.6

76 59.0 45.8 68.8

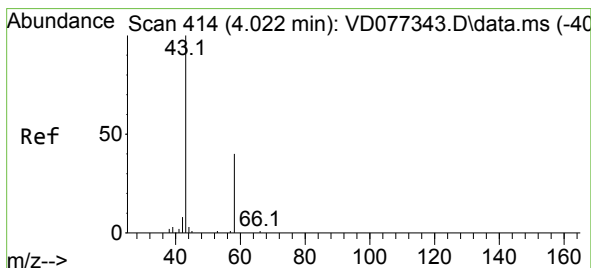
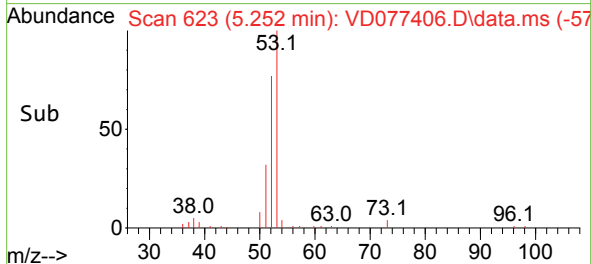
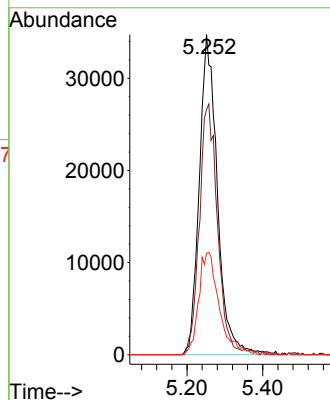
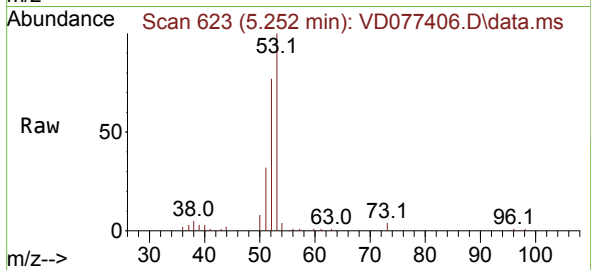




#15  
Acrylonitrile  
Concen: 280.734 ug/l  
RT: 5.252 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

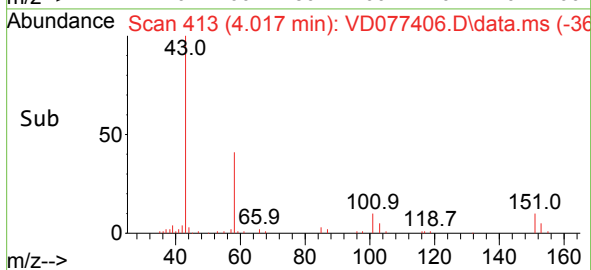
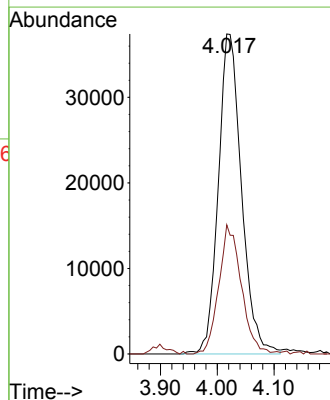
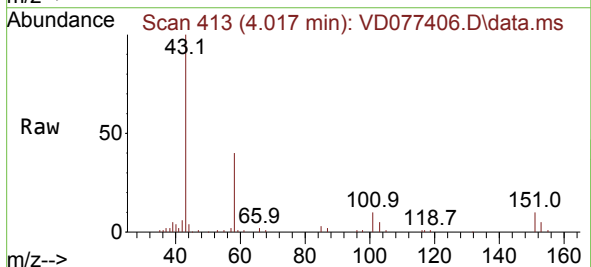
Instrument :  
MSVOA\_D  
ClientSampleId :

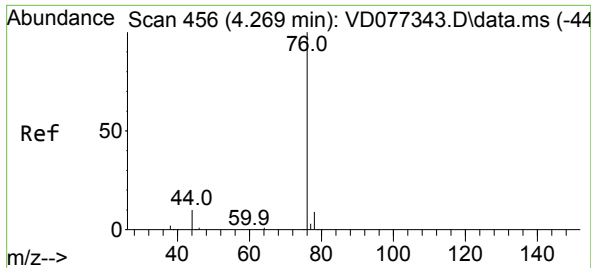
Tgt Ion: 53 Resp: 114882  
Ion Ratio Lower Upper  
53 100  
52 78.1 65.0 97.4  
51 36.3 28.3 42.5



#16  
Acetone  
Concen: 244.135 ug/l  
RT: 4.017 min Scan# 413  
Delta R.T. -0.005 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion: 43 Resp: 106168  
Ion Ratio Lower Upper  
43 100  
58 40.4 34.7 52.1

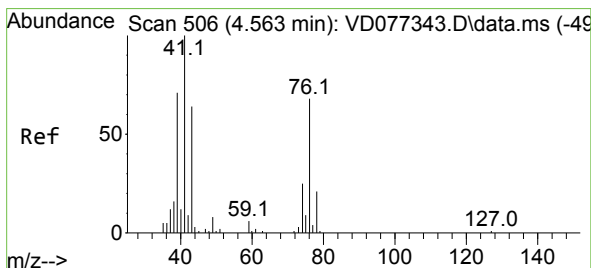
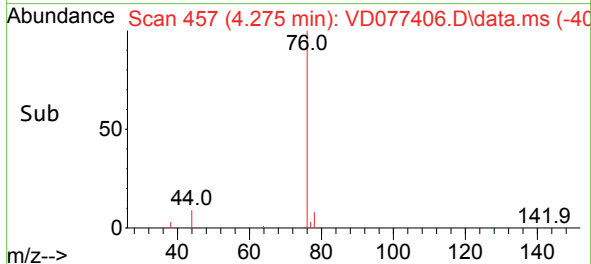
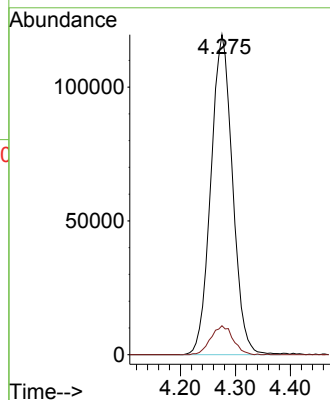
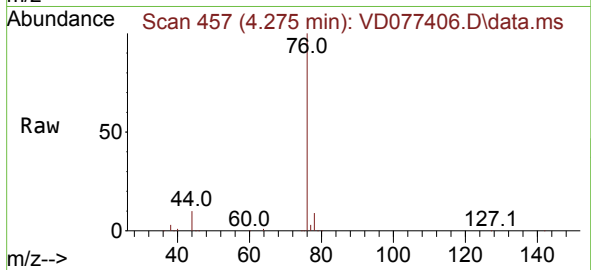




#17  
Carbon Disulfide  
Concen: 43.569 ug/l  
RT: 4.275 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

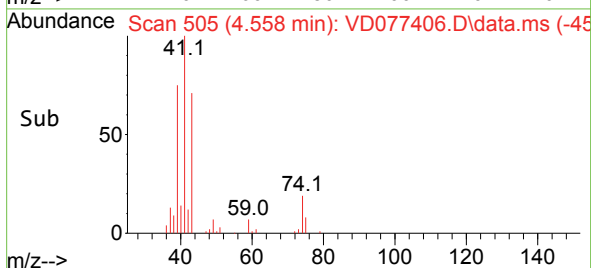
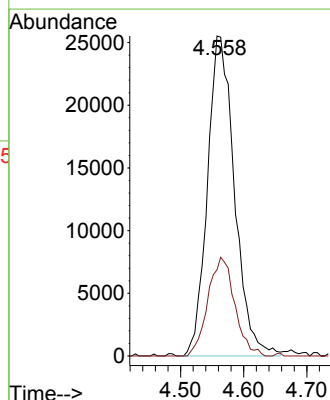
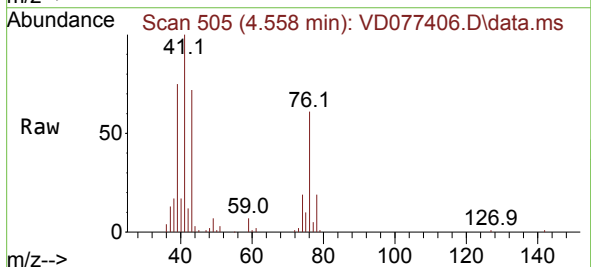
Instrument :  
MSVOA\_D  
ClientSampleId :

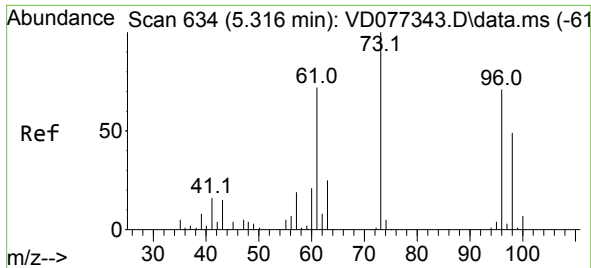
Tgt Ion: 76 Resp: 327514  
Ion Ratio Lower Upper  
76 100  
78 9.0 6.8 10.2



#18  
Methyl Acetate  
Concen: 50.237 ug/l  
RT: 4.558 min Scan# 505  
Delta R.T. -0.005 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion: 43 Resp: 76034  
Ion Ratio Lower Upper  
43 100  
74 30.4 26.4 39.6





#19

Methyl tert-butyl Ether

Concen: 54.362 ug/l

RT: 5.316 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

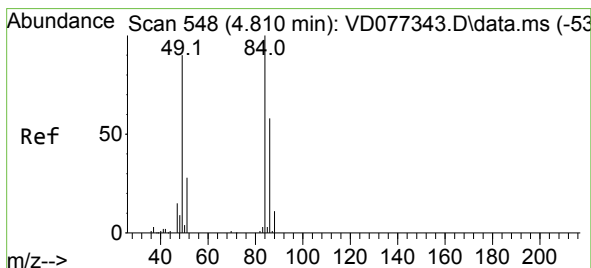
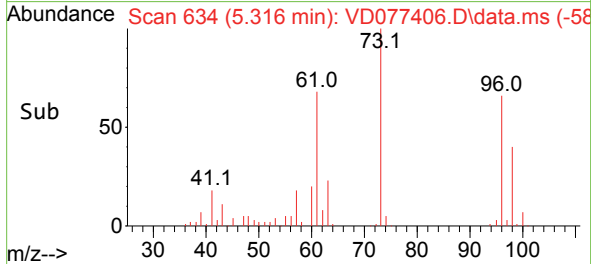
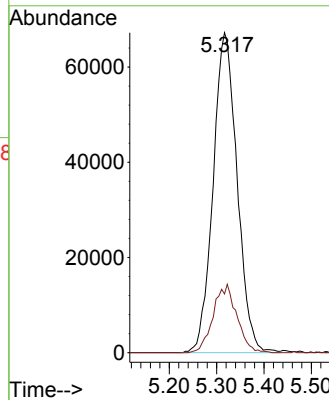
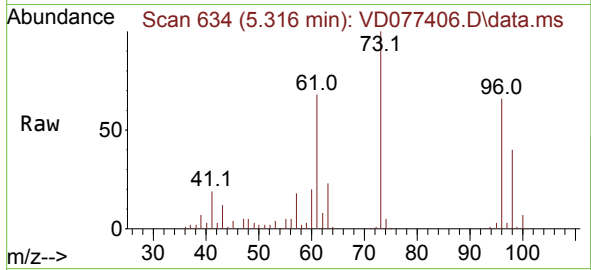
ClientSampleId :

Tgt Ion: 73 Resp: 236769

Ion Ratio Lower Upper

73 100

57 18.4 16.6 25.0



#20

Methylene Chloride

Concen: 55.443 ug/l

RT: 4.805 min Scan# 547

Delta R.T. -0.005 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Tgt Ion: 84 Resp: 144561

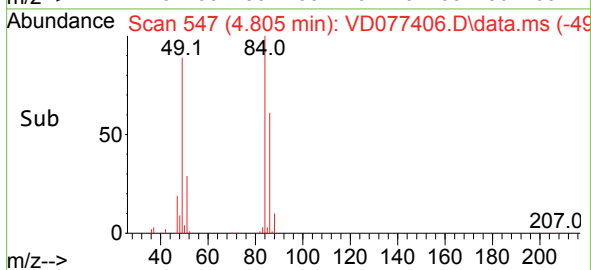
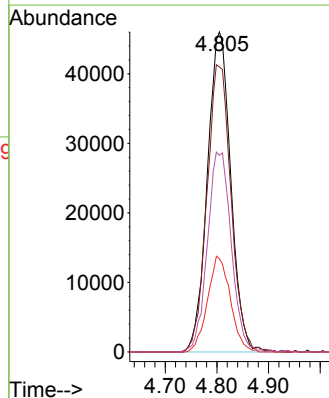
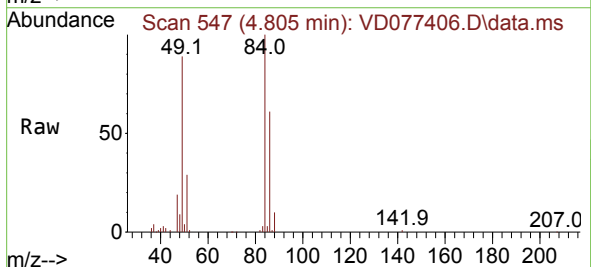
Ion Ratio Lower Upper

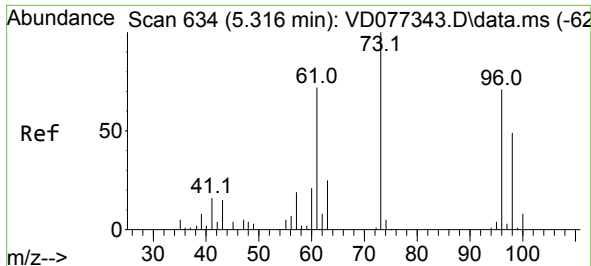
84 100

49 89.1 71.4 107.2

51 29.2 24.5 36.7

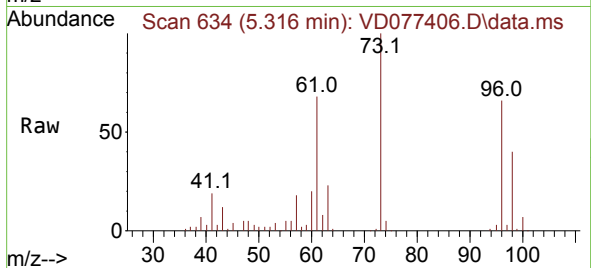
86 61.4 48.7 73.1



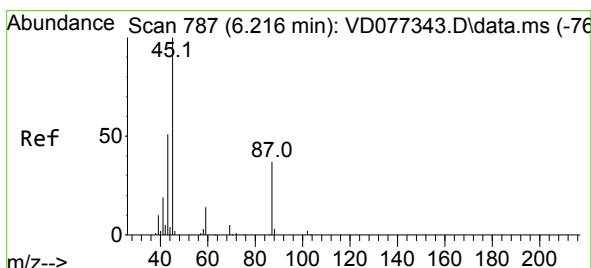
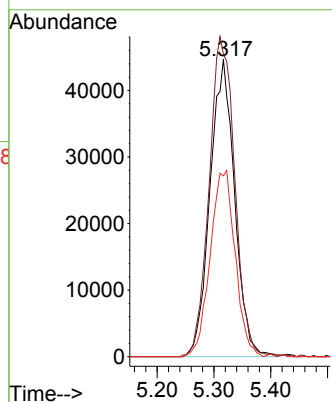
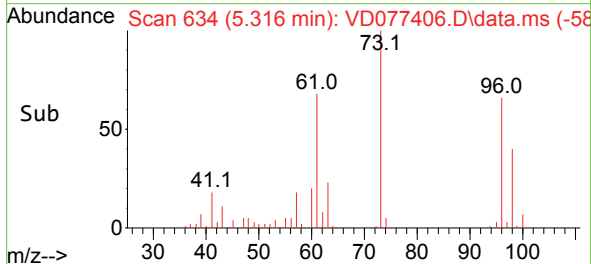


#21  
trans-1,2-Dichloroethene  
Concen: 50.428 ug/l  
RT: 5.316 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Instrument :  
MSVOA\_D  
ClientSampleId :

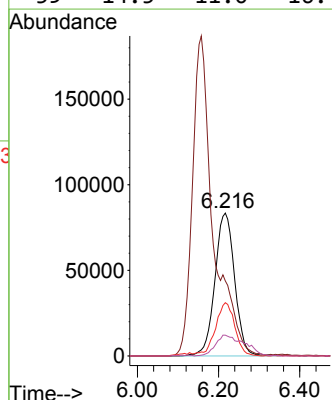
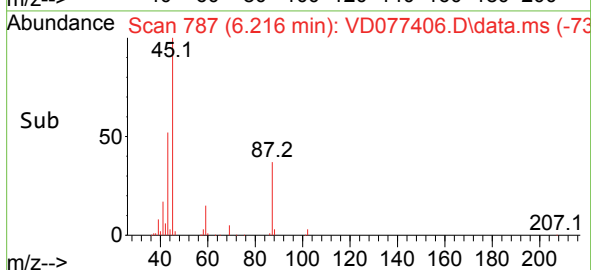
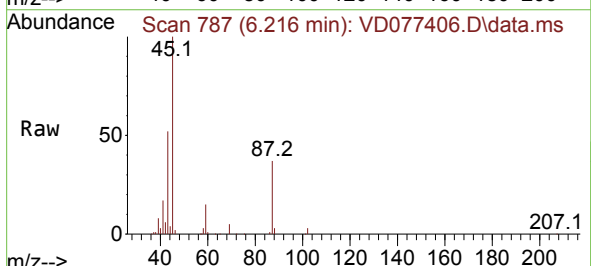


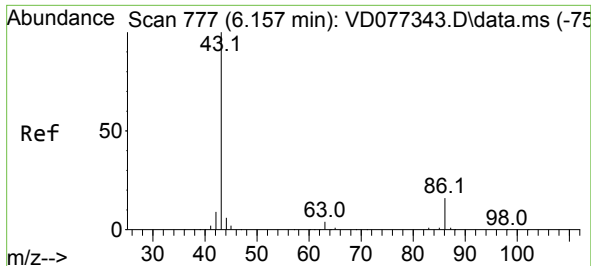
Tgt Ion: 96 Resp: 134118  
Ion Ratio Lower Upper  
96 100  
61 101.8 89.3 133.9  
98 60.8 48.6 73.0



#22  
Diisopropyl ether  
Concen: 59.370 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion: 45 Resp: 282765  
Ion Ratio Lower Upper  
45 100  
43 51.3 40.0 60.0  
87 37.0 28.2 42.4  
59 14.5 11.0 16.4

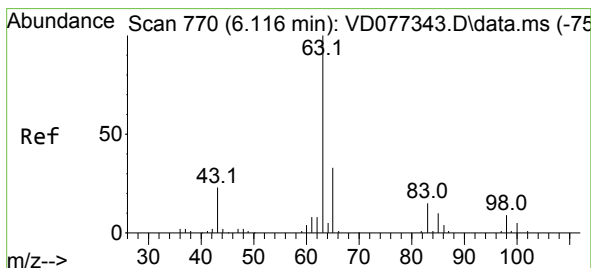
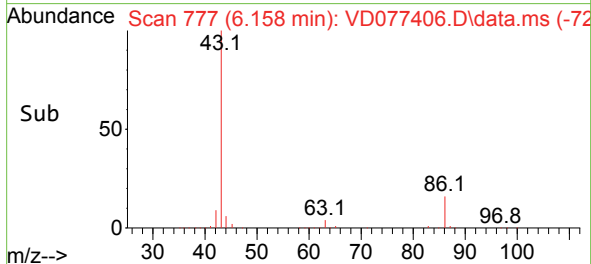
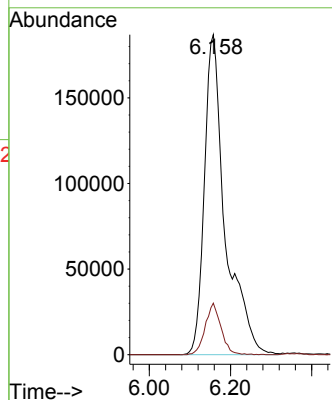
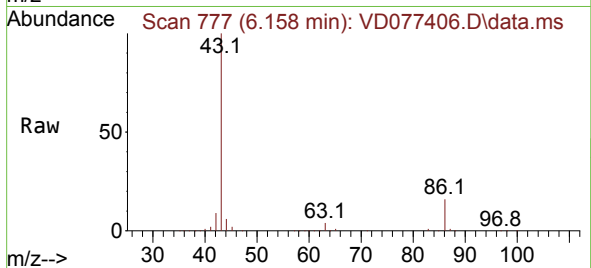




#23  
 Vinyl Acetate  
 Concen: 298.601 ug/l  
 RT: 6.158 min Scan# 711  
 Delta R.T. 0.001 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

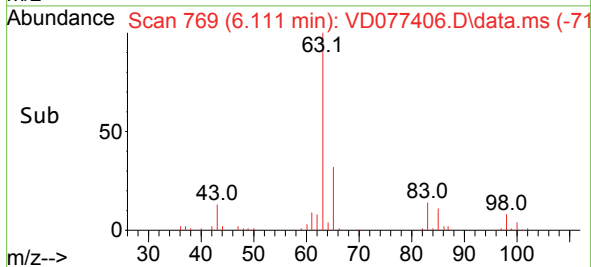
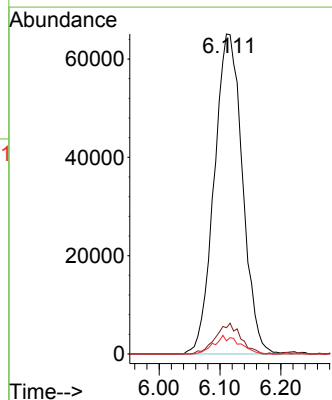
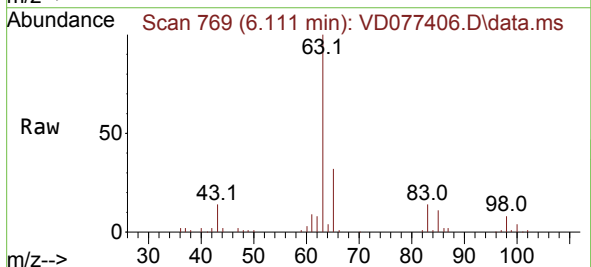
Instrument :  
 MSVOA\_D  
 ClientSampleId :

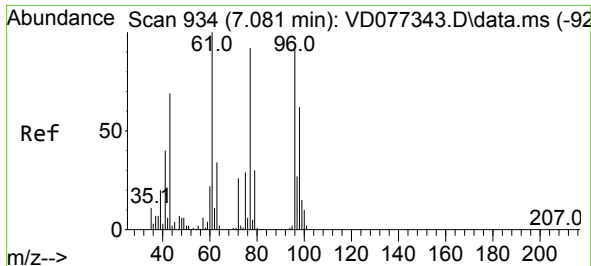
Tgt Ion: 43 Resp: 666476  
 Ion Ratio Lower Upper  
 43 100  
 86 16.1 12.5 18.7



#24  
 1,1-Dichloroethane  
 Concen: 52.881 ug/l  
 RT: 6.111 min Scan# 769  
 Delta R.T. -0.005 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

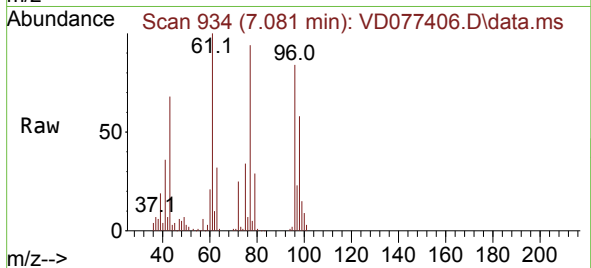
Tgt Ion: 63 Resp: 209406  
 Ion Ratio Lower Upper  
 63 100  
 98 8.2 4.5 13.7  
 100 4.1 2.5 7.5



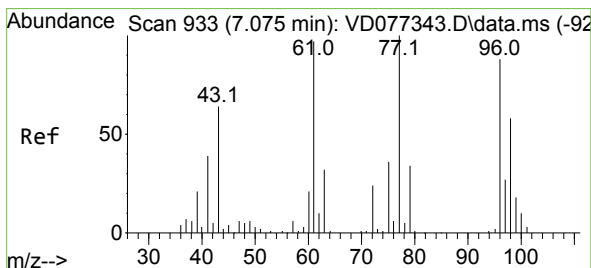
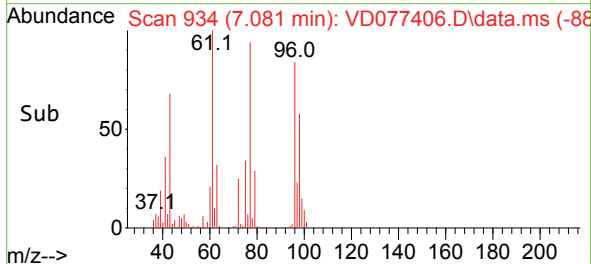
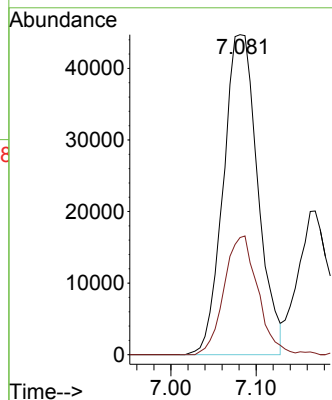


#25  
2-Butanone  
Concen: 279.061 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Instrument :  
MSVOA\_D  
ClientSampleId :

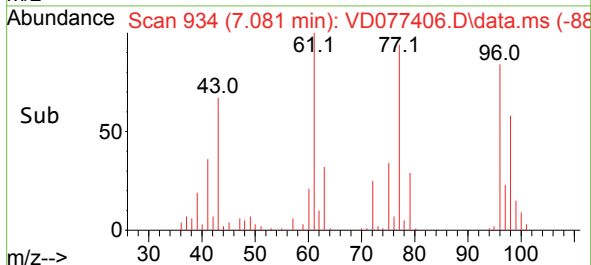
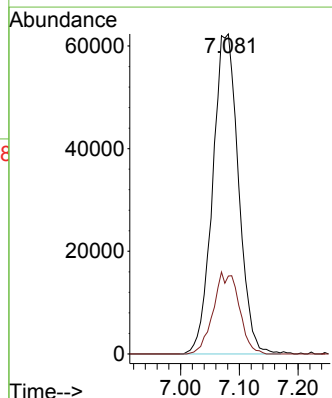
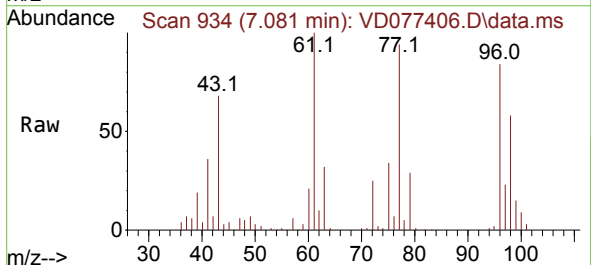


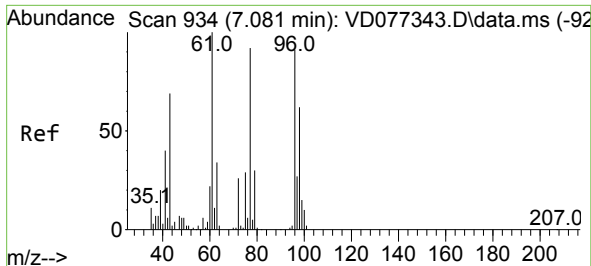
Tgt Ion: 43 Resp: 125887  
Ion Ratio Lower Upper  
43 100  
72 36.6 30.7 46.1



#26  
2,2-Dichloropropane  
Concen: 52.628 ug/l  
RT: 7.081 min Scan# 934  
Delta R.T. 0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

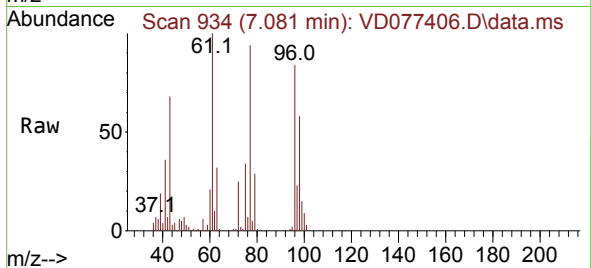
Tgt Ion: 77 Resp: 190023  
Ion Ratio Lower Upper  
77 100  
97 25.6 13.2 39.6



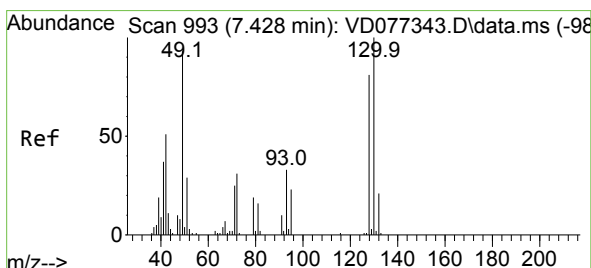
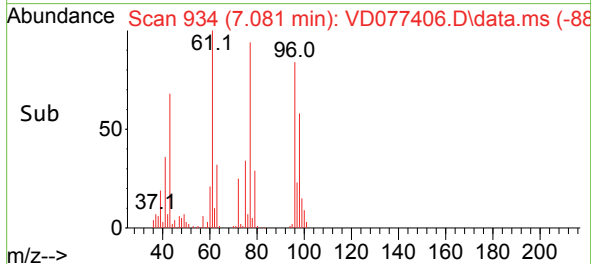
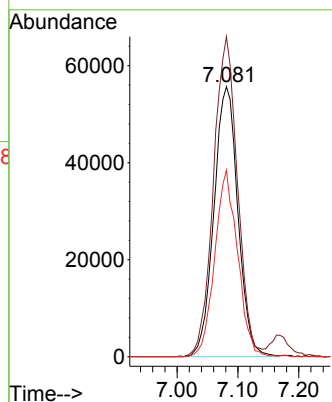


#27  
 cis-1,2-Dichloroethene  
 Concen: 51.141 ug/l  
 RT: 7.081 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

Instrument :  
 MSVOA\_D  
 ClientSampleId :

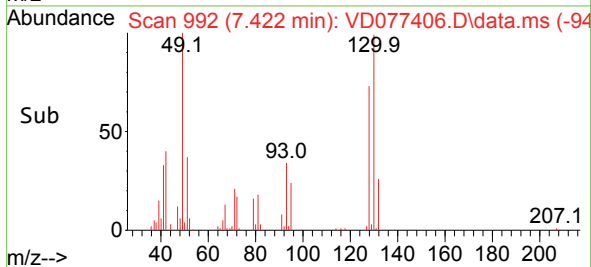
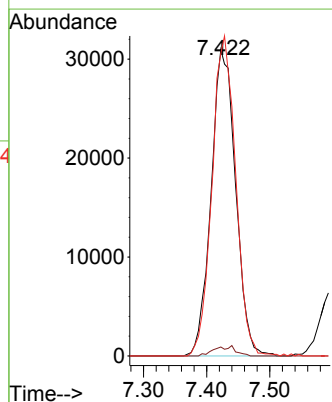
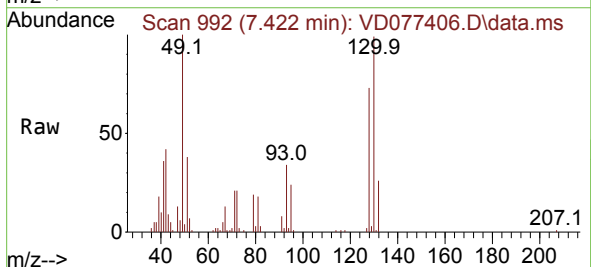


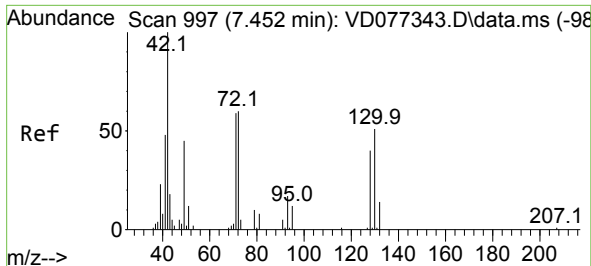
Tgt Ion: 96 Resp: 152508  
 Ion Ratio Lower Upper  
 96 100  
 61 118.4 0.0 239.2  
 98 65.7 0.0 128.6



#28  
 Bromochloromethane  
 Concen: 57.816 ug/l  
 RT: 7.422 min Scan# 992  
 Delta R.T. -0.006 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

Tgt Ion: 49 Resp: 83632  
 Ion Ratio Lower Upper  
 49 100  
 129 1.6 0.0 6.0  
 130 100.6 83.2 124.8





#29

Tetrahydrofuran

Concen: 280.809 ug/l

RT: 7.440 min Scan# 995

Delta R.T. -0.012 min

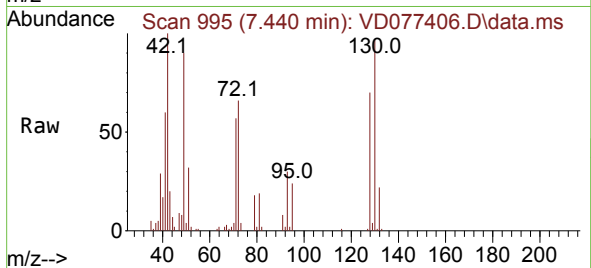
Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

ClientSampleId :



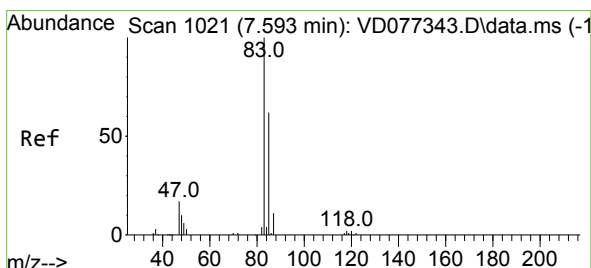
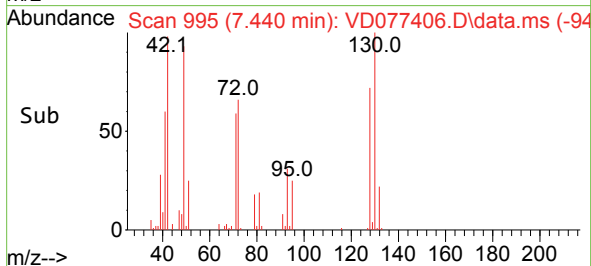
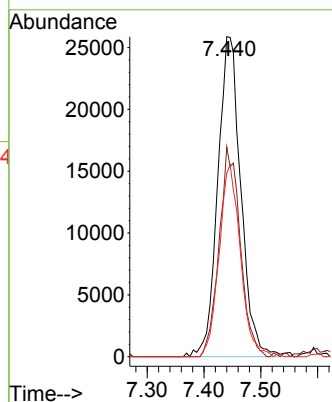
Tgt Ion: 42 Resp: 73073

Ion Ratio Lower Upper

42 100

72 60.1 46.5 69.7

71 55.3 44.5 66.7



#30

Chloroform

Concen: 51.367 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD077406.D

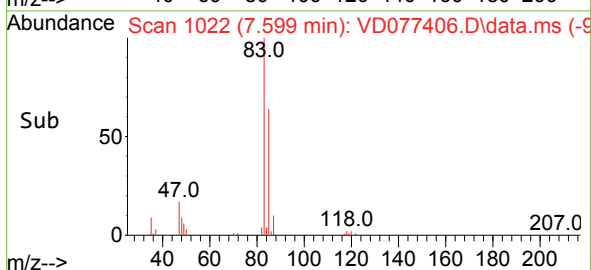
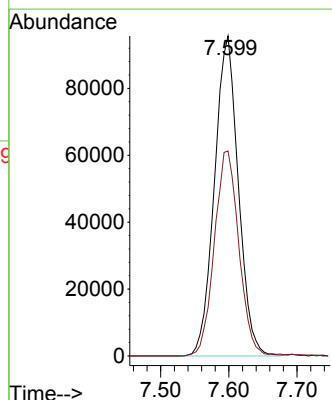
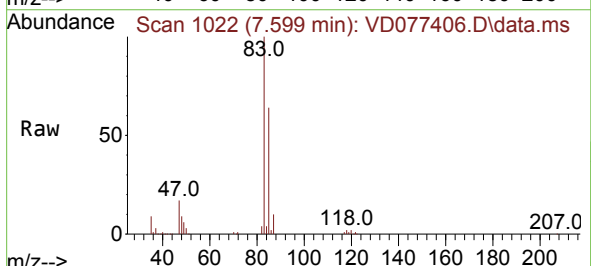
Acq: 25 Oct 2023 10:34

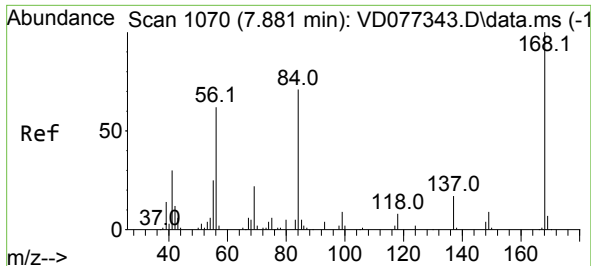
Tgt Ion: 83 Resp: 233382

Ion Ratio Lower Upper

83 100

85 64.1 53.4 80.2





#31

Cyclohexane

Concen: 51.446 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

ClientSampleId :

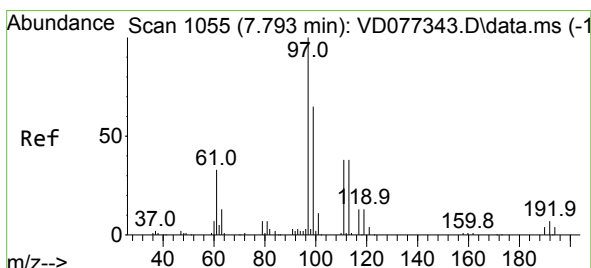
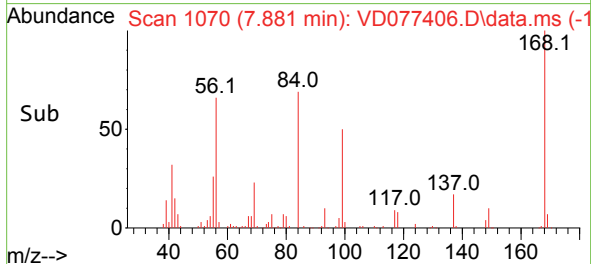
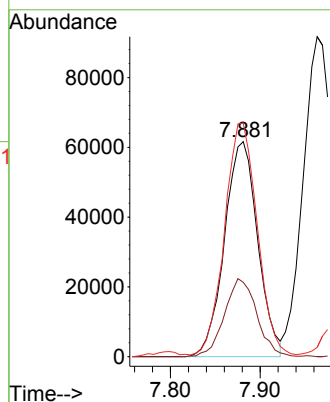
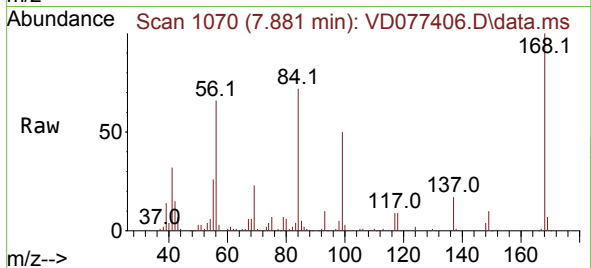
Tgt Ion: 56 Resp: 158733

Ion Ratio Lower Upper

56 100

69 34.6 28.6 43.0

84 107.8 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 51.260 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

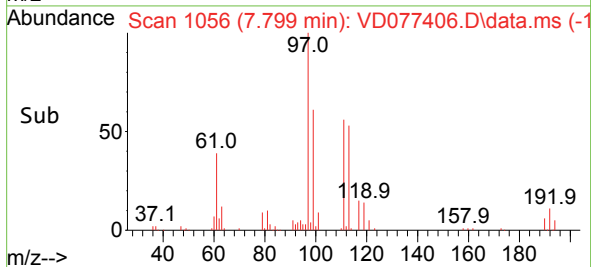
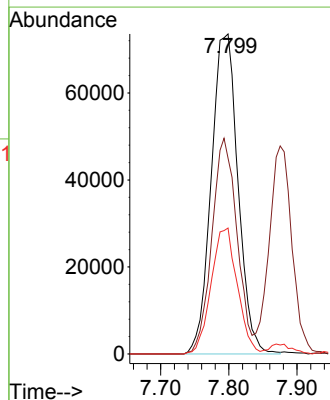
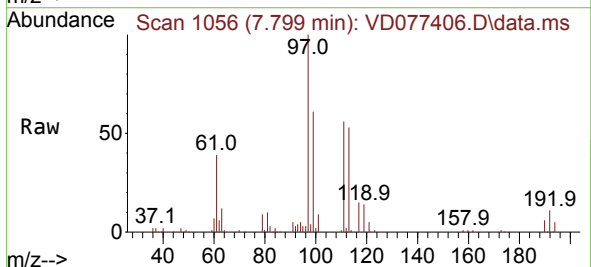
Tgt Ion: 97 Resp: 200924

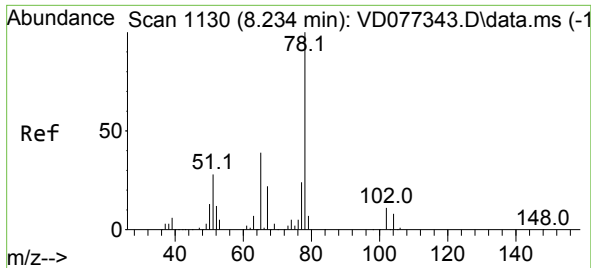
Ion Ratio Lower Upper

97 100

99 63.2 52.0 78.0

61 38.5 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 43.805 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

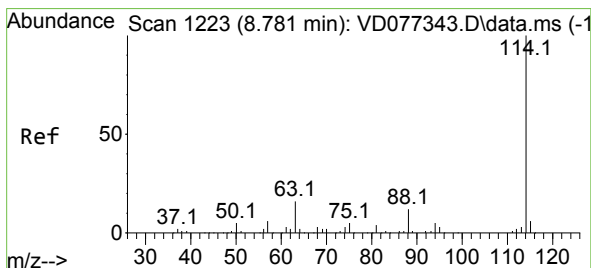
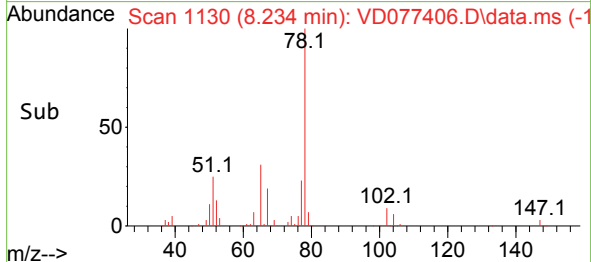
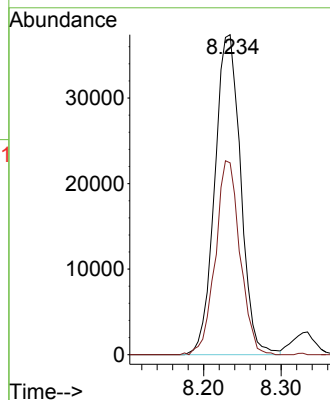
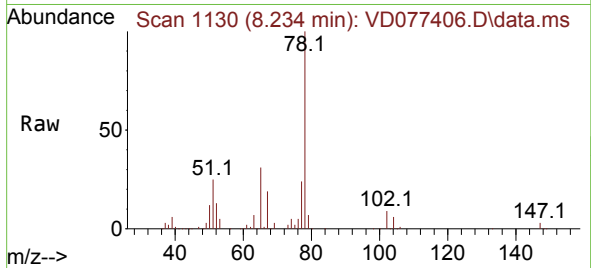
ClientSampleId :

Tgt Ion: 65 Resp: 86871

Ion Ratio Lower Upper

65 100

67 57.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

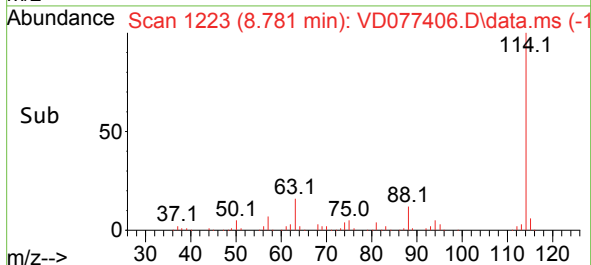
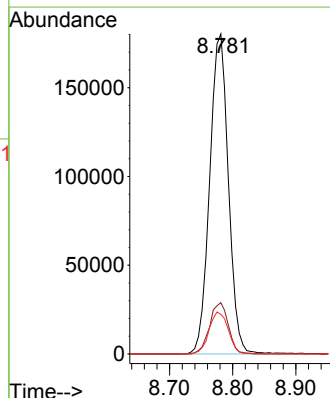
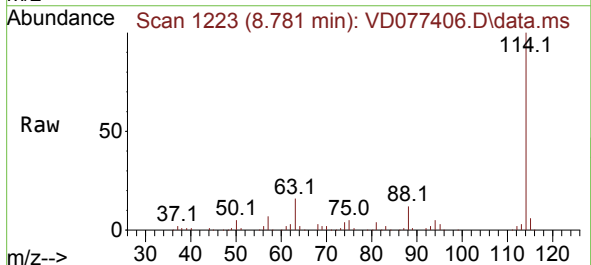
Tgt Ion: 114 Resp: 370983

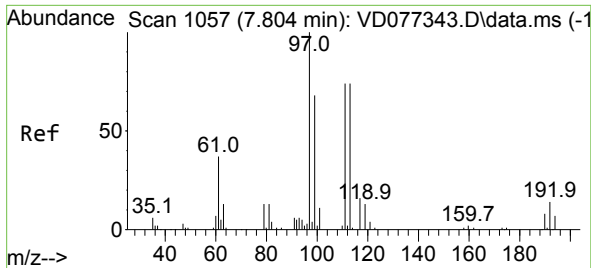
Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.4

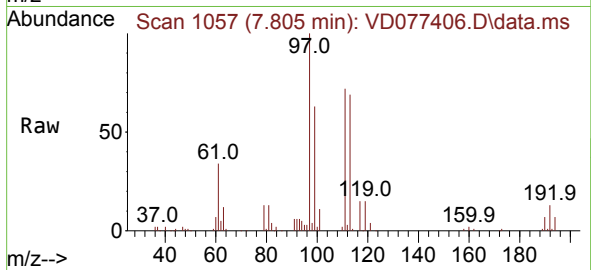
88 12.4 0.0 26.2



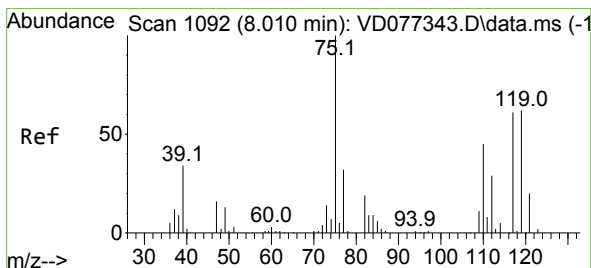
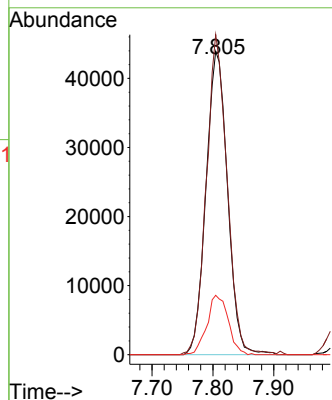
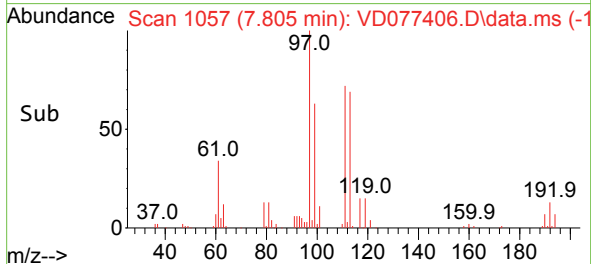


#35  
Dibromofluoromethane  
Concen: 41.390 ug/l  
RT: 7.805 min Scan# 1091  
Delta R.T. 0.001 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

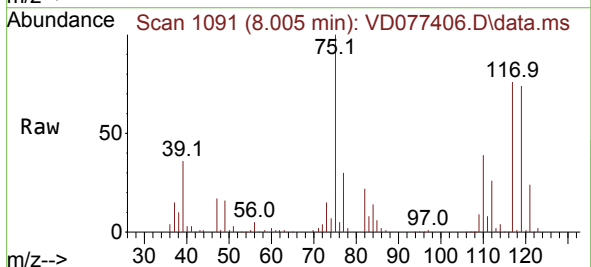
Instrument :  
MSVOA\_D  
ClientSampleId :



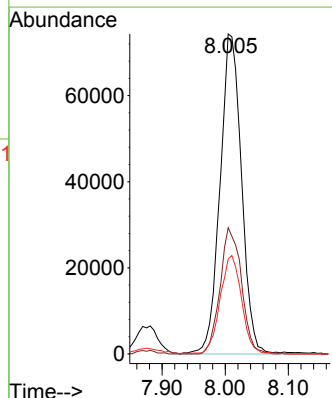
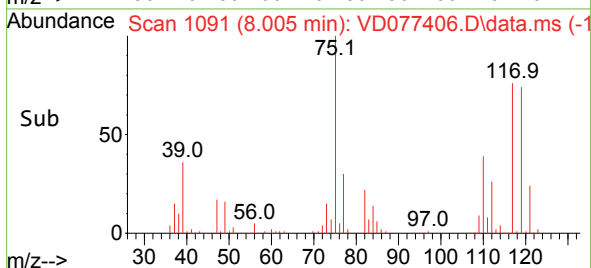
Tgt Ion:113 Resp: 107876  
Ion Ratio Lower Upper  
113 100  
111 101.8 84.7 127.1  
192 19.4 16.8 25.2

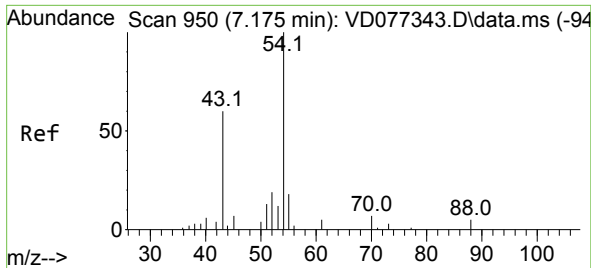


#36  
1,1-Dichloropropene  
Concen: 51.226 ug/l  
RT: 8.005 min Scan# 1091  
Delta R.T. -0.005 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34



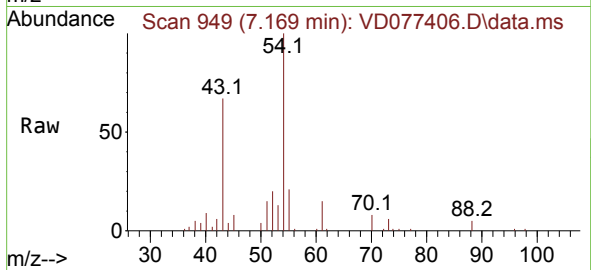
Tgt Ion: 75 Resp: 175431  
Ion Ratio Lower Upper  
75 100  
110 39.4 19.9 59.6  
77 30.8 24.7 37.1



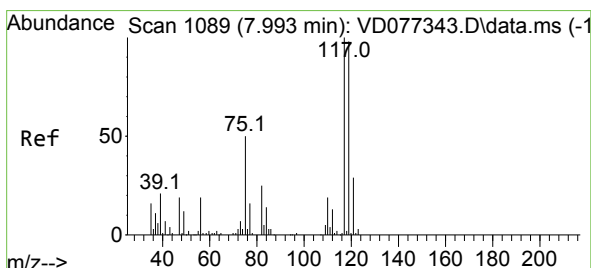
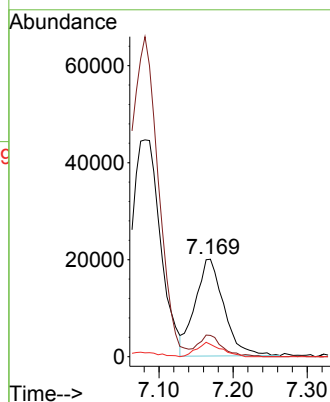
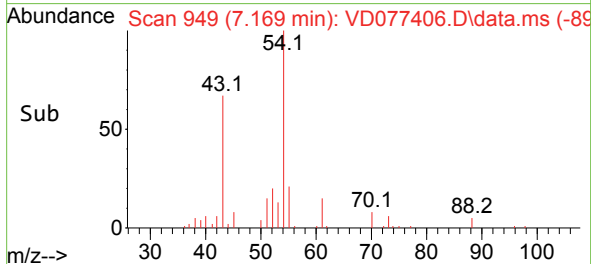


#37  
Ethyl Acetate  
Concen: 50.000 ug/l  
RT: 7.169 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Instrument :  
MSVOA\_D  
ClientSampleId :

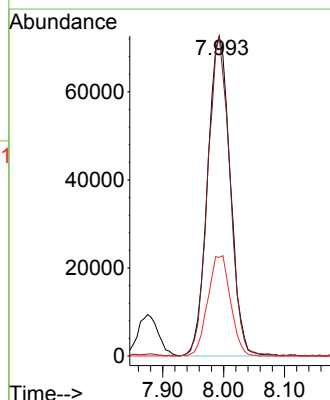
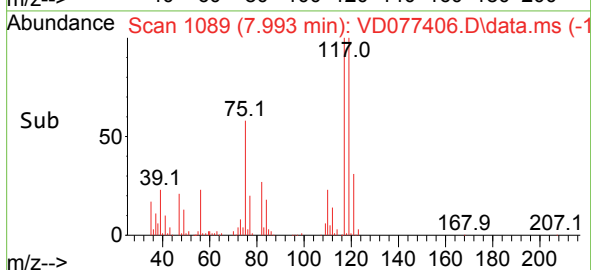
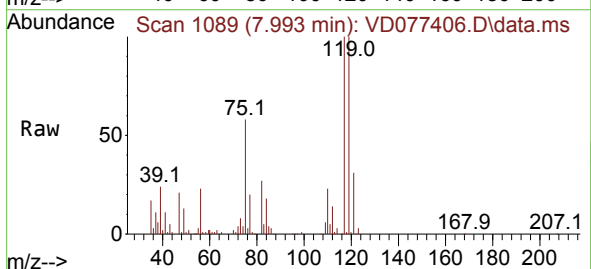


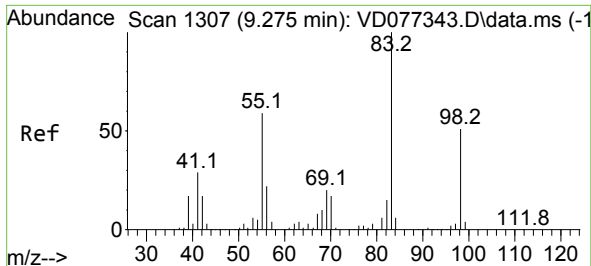
Tgt Ion: 43 Resp: 53787  
Ion Ratio Lower Upper  
43 100  
61 18.8 14.9 22.3  
70 12.4 10.0 15.0



#38  
Carbon Tetrachloride  
Concen: 49.412 ug/l  
RT: 7.993 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion:117 Resp: 188245  
Ion Ratio Lower Upper  
117 100  
119 99.6 78.0 117.0  
121 30.8 24.2 36.2





#39

Methylcyclohexane

Concen: 47.268 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

ClientSampleId :

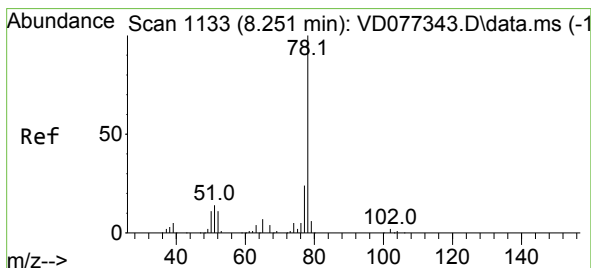
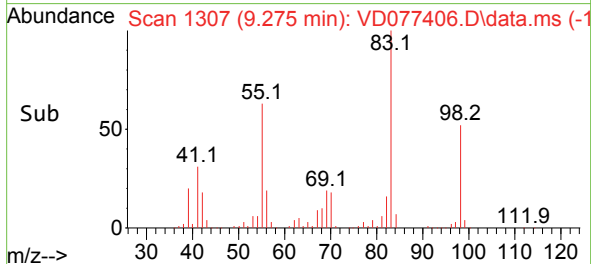
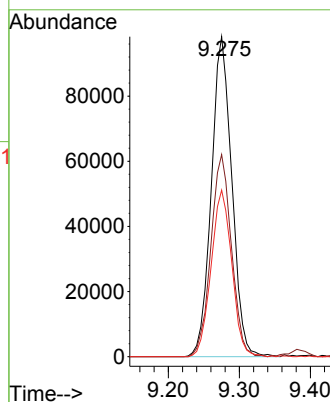
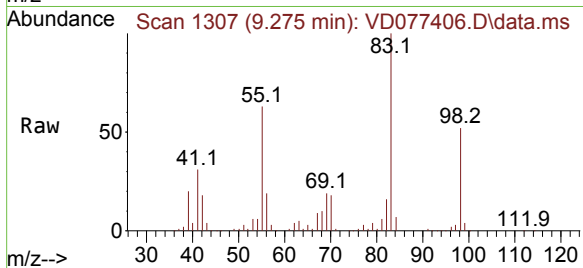
Tgt Ion: 83 Resp: 196694

Ion Ratio Lower Upper

83 100

55 63.2 49.4 74.0

98 52.1 38.4 57.6



#40

Benzene

Concen: 50.600 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.001 min

Lab File: VD077406.D

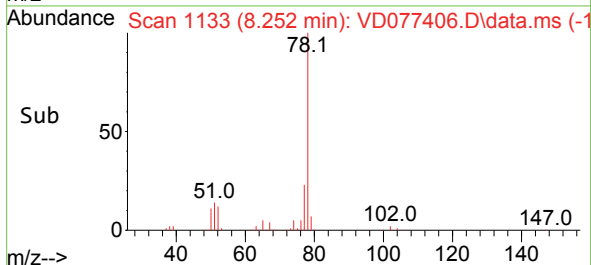
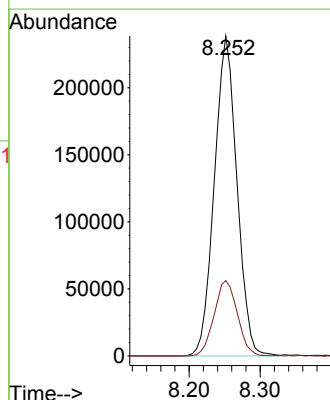
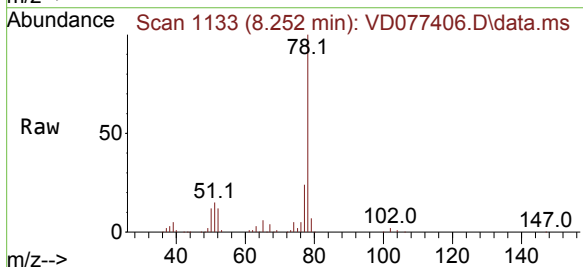
Acq: 25 Oct 2023 10:34

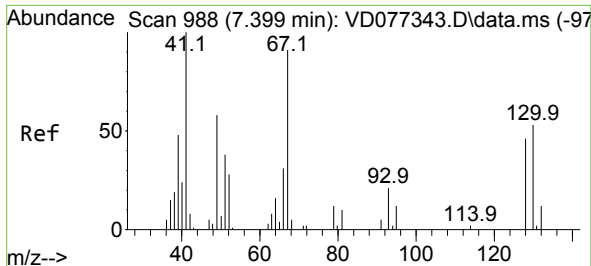
Tgt Ion: 78 Resp: 525869

Ion Ratio Lower Upper

78 100

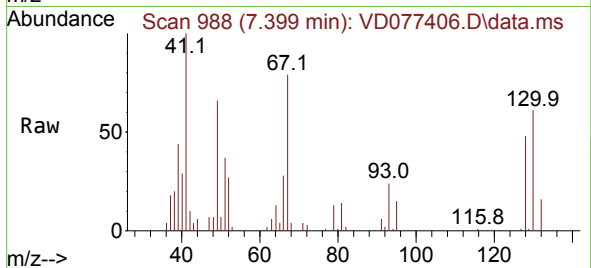
77 23.6 19.4 29.0



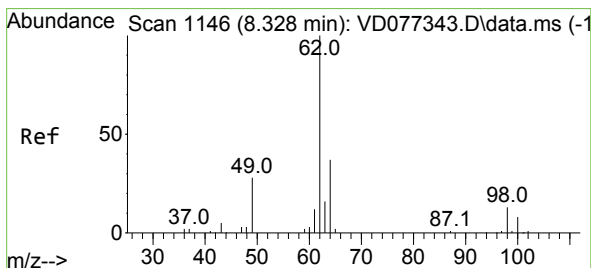
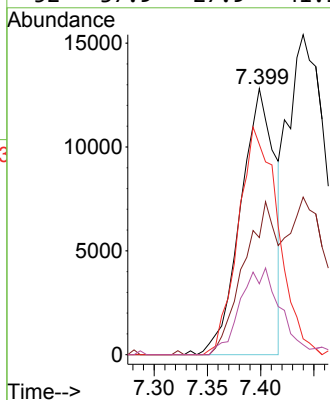
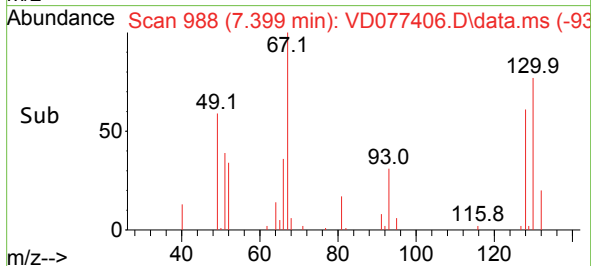


#41  
Methacrylonitrile  
Concen: 56.113 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

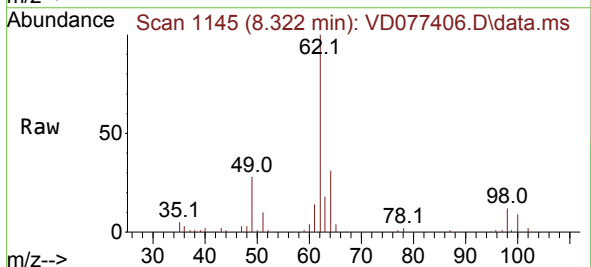
Instrument :  
MSVOA\_D  
ClientSampleId :



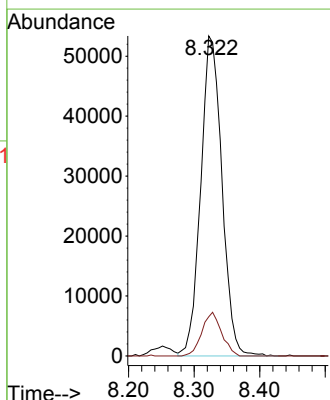
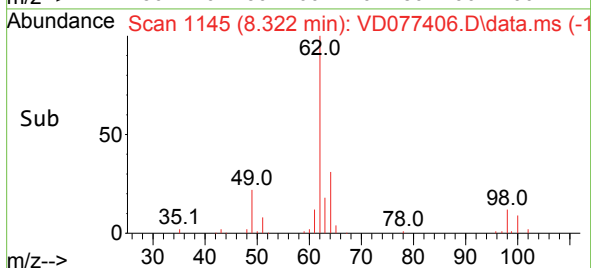
Tgt Ion: 41 Resp: 28808  
Ion Ratio Lower Upper  
41 100  
39 54.8 34.0 51.0#  
67 99.6 77.0 115.4  
52 37.9 27.9 41.9

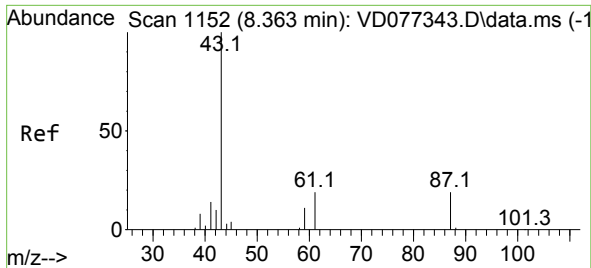


#42  
1,2-Dichloroethane  
Concen: 49.092 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34



Tgt Ion: 62 Resp: 120176  
Ion Ratio Lower Upper  
62 100  
98 12.7 0.0 25.4

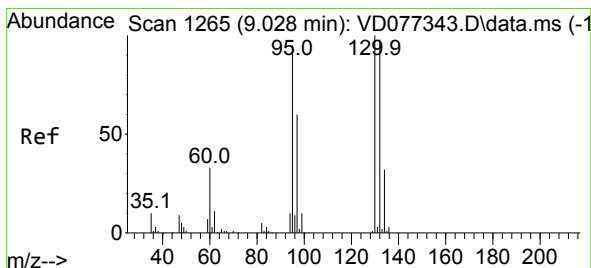
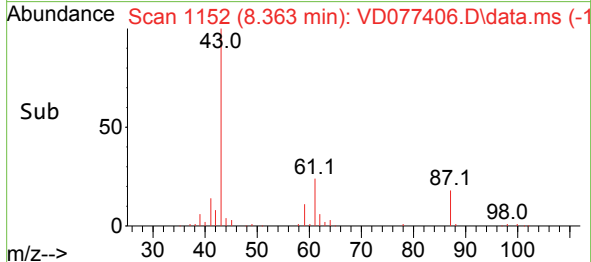
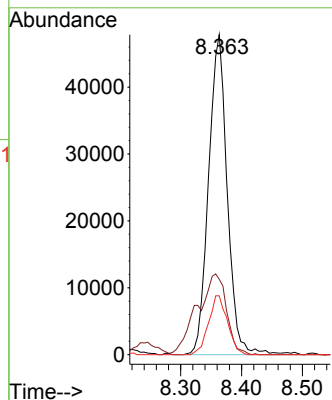
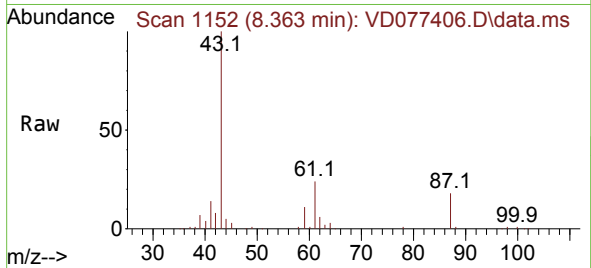




#43  
Isopropyl Acetate  
Concen: 52.524 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

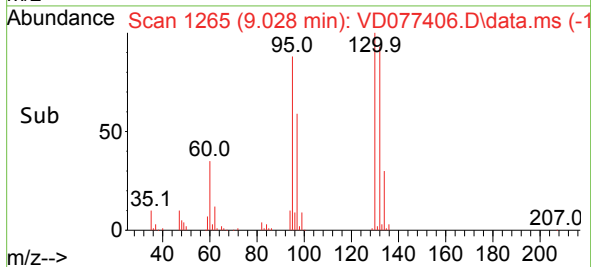
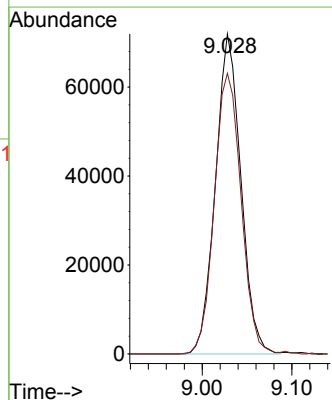
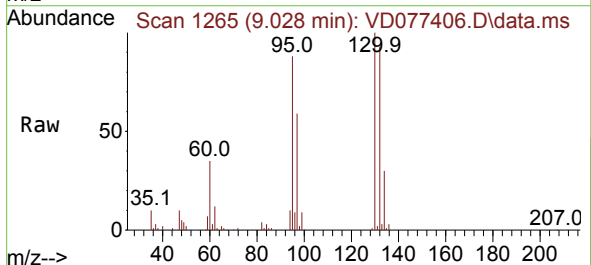
Instrument :  
MSVOA\_D  
ClientSampleId :

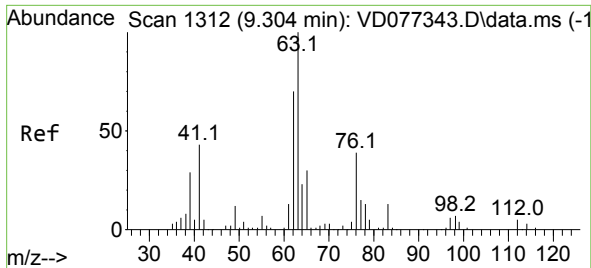
Tgt Ion: 43 Resp: 101719  
Ion Ratio Lower Upper  
43 100  
61 39.7 31.4 47.0  
87 18.8 14.9 22.3



#44  
Trichloroethene  
Concen: 46.548 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion:130 Resp: 141436  
Ion Ratio Lower Upper  
130 100  
95 87.7 0.0 179.2

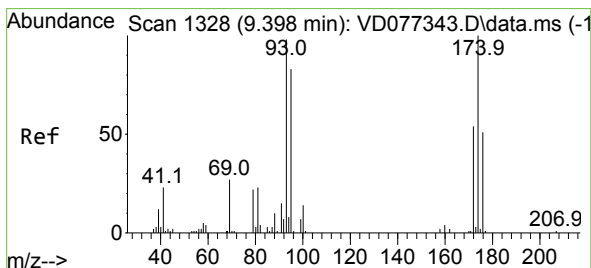
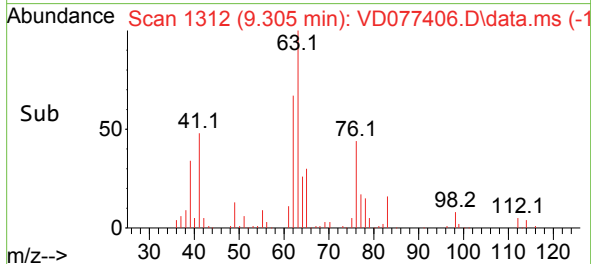
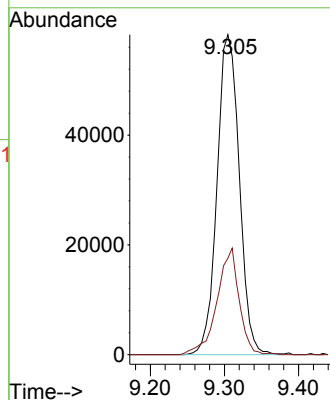
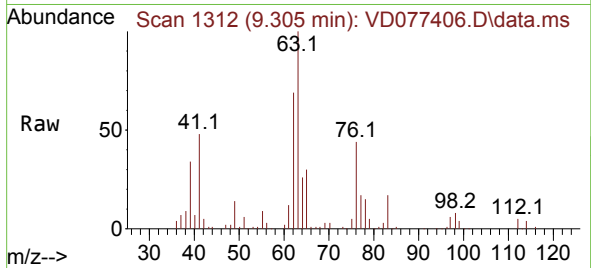




#45  
1,2-Dichloropropane  
Concen: 50.738 ug/l  
RT: 9.305 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

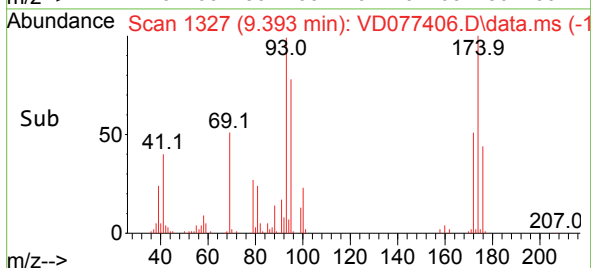
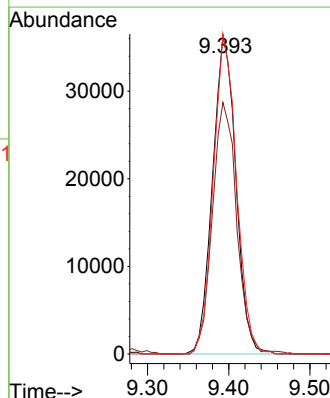
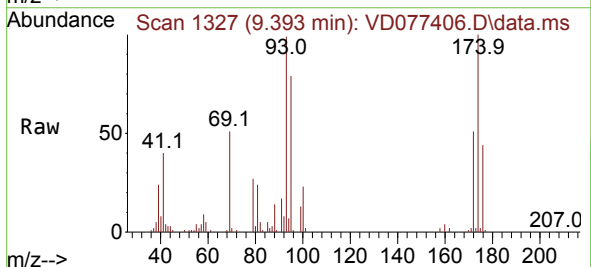
Instrument :  
MSVOA\_D  
ClientSampleId :

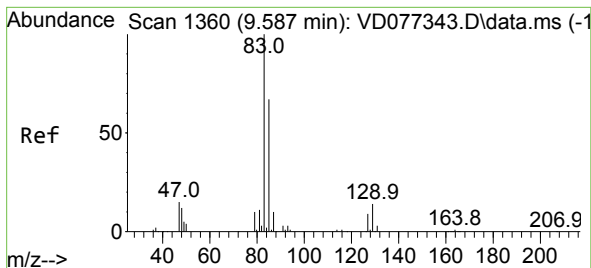
Tgt Ion: 63 Resp: 121554  
Ion Ratio Lower Upper  
63 100  
65 30.1 24.5 36.7



#46  
Dibromomethane  
Concen: 48.412 ug/l  
RT: 9.393 min Scan# 1327  
Delta R.T. -0.005 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion: 93 Resp: 72508  
Ion Ratio Lower Upper  
93 100  
95 82.3 67.7 101.5  
174 99.5 85.4 128.2





#47

Bromodichloromethane

Concen: 48.749 ug/l

RT: 9.587 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

ClientSampleId :

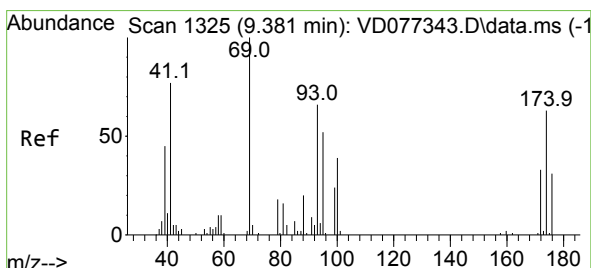
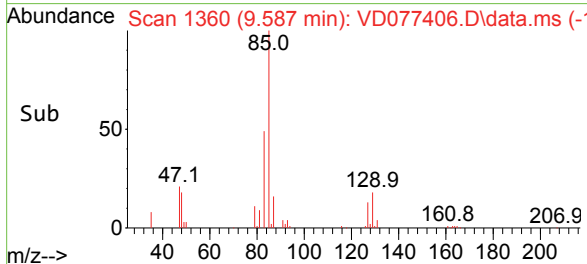
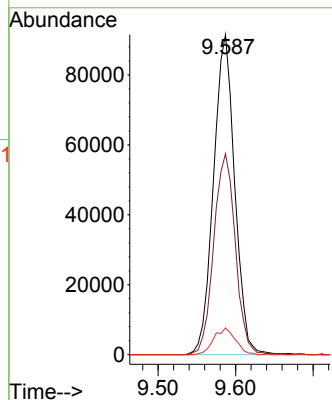
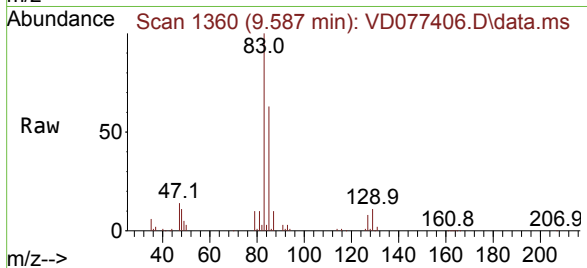
Tgt Ion: 83 Resp: 174102

Ion Ratio Lower Upper

83 100

85 62.8 50.2 75.4

127 8.3 6.3 9.5



#48

Methyl methacrylate

Concen: 52.811 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

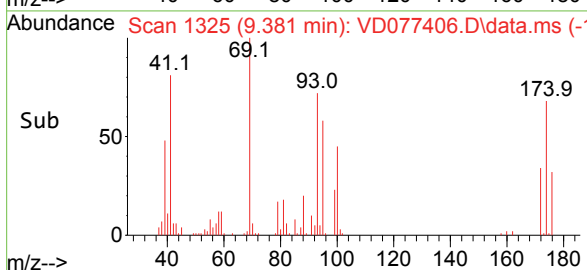
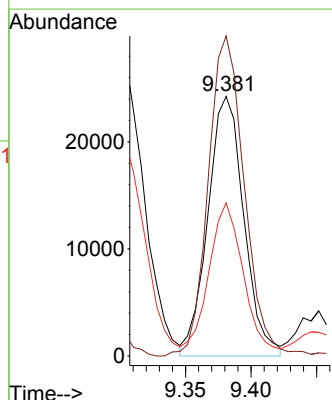
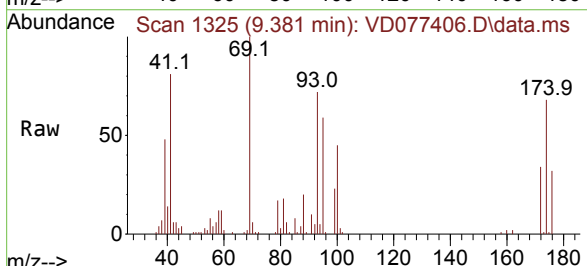
Tgt Ion: 41 Resp: 46267

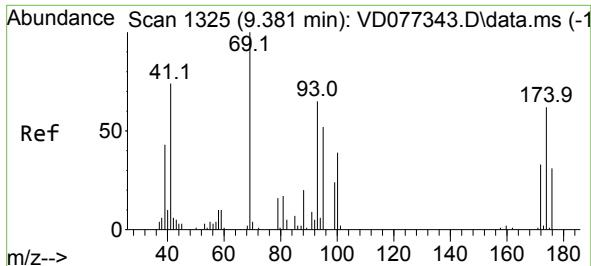
Ion Ratio Lower Upper

41 100

69 123.9 102.2 153.2

39 52.1 41.4 62.2





#49

1,4-Dioxane

Concen: 959.955 ug/l

RT: 9.381 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

ClientSampleId :

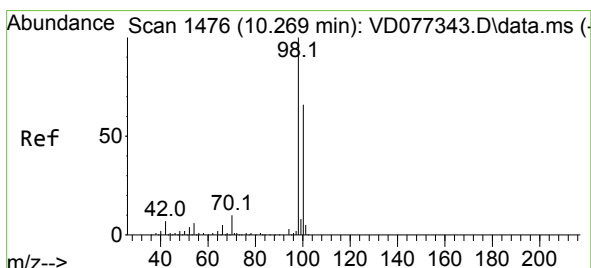
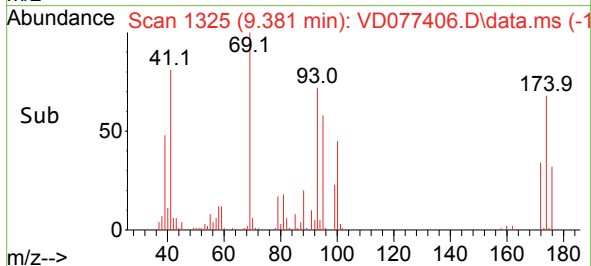
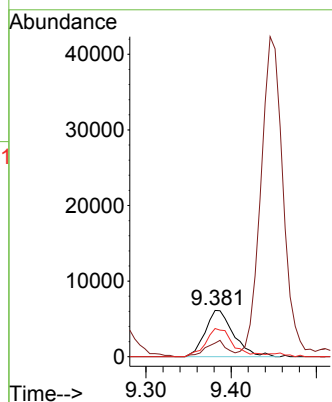
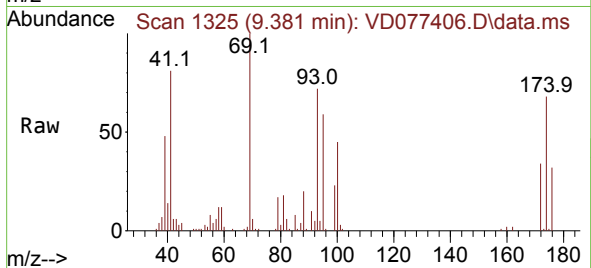
Tgt Ion: 88 Resp: 14101

Ion Ratio Lower Upper

88 100

43 25.4 19.0 28.6

58 59.3 43.5 65.3



#50

Toluene-d8

Concen: 41.058 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077406.D

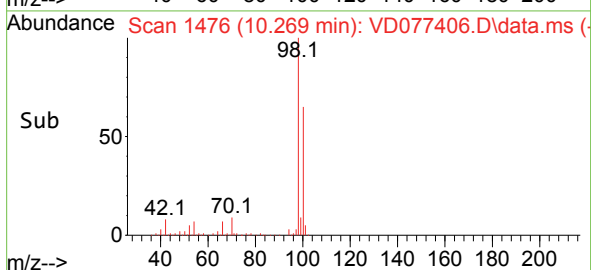
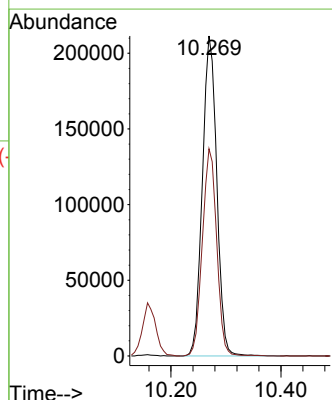
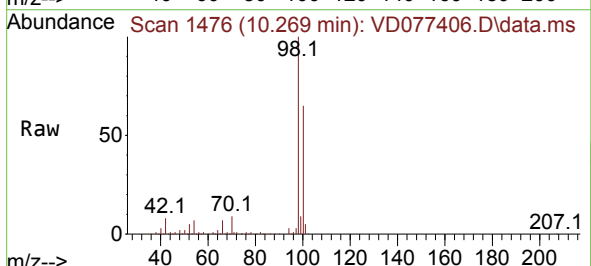
Acq: 25 Oct 2023 10:34

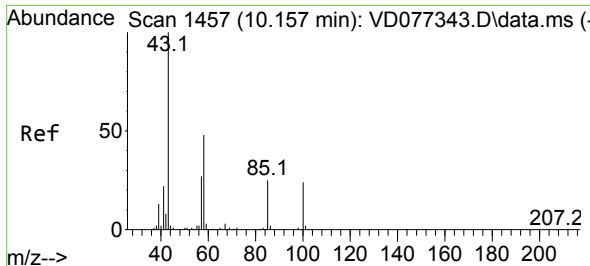
Tgt Ion: 98 Resp: 383238

Ion Ratio Lower Upper

98 100

100 64.4 50.3 75.5

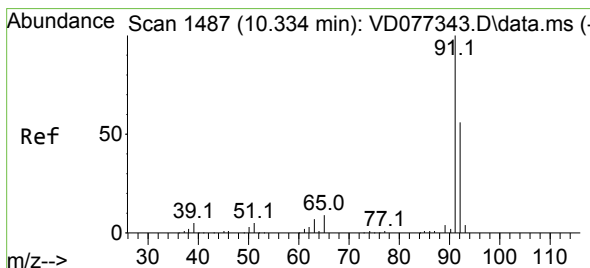
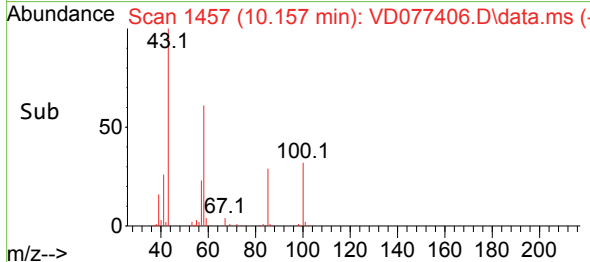
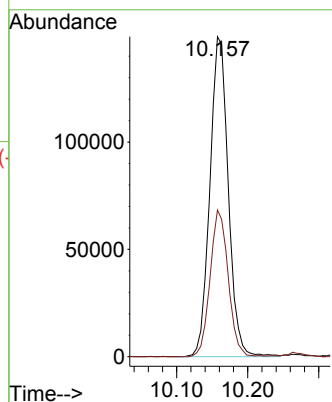
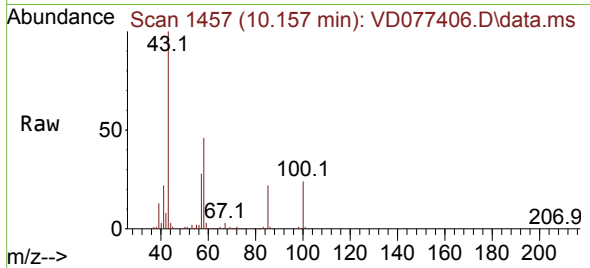




#51  
4-Methyl-2-Pentanone  
Concen: 276.998 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

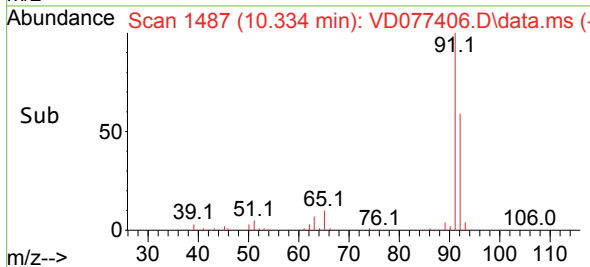
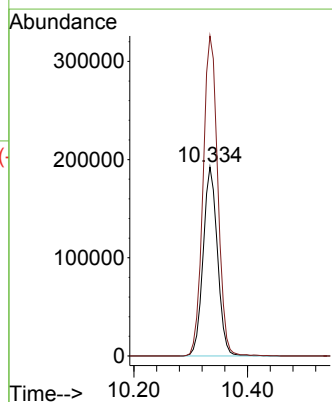
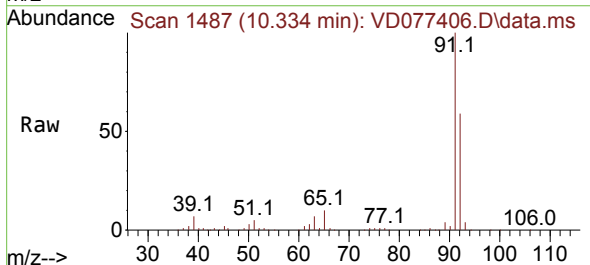
Instrument :  
MSVOA\_D  
ClientSampleId :

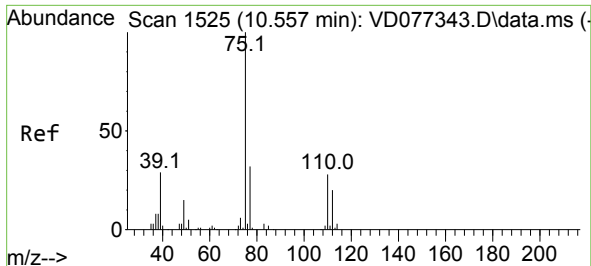
Tgt Ion: 43 Resp: 268906  
Ion Ratio Lower Upper  
43 100  
58 45.1 38.9 58.3



#52  
Toluene  
Concen: 49.498 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion: 92 Resp: 335877  
Ion Ratio Lower Upper  
92 100  
91 174.6 143.0 214.4

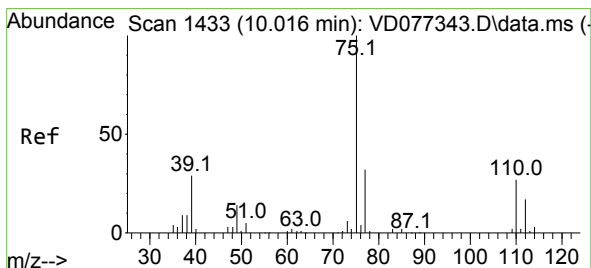
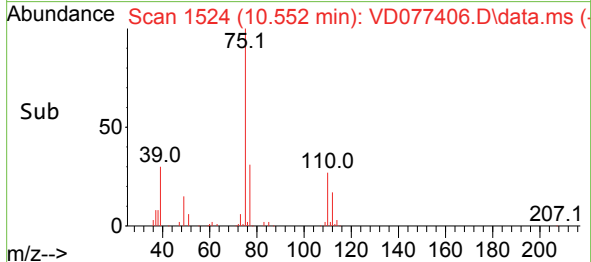
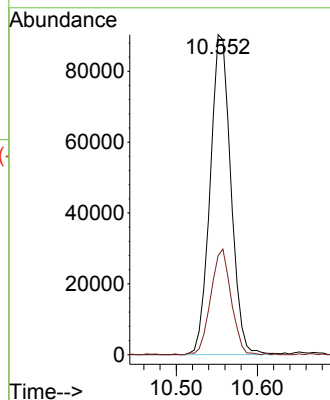
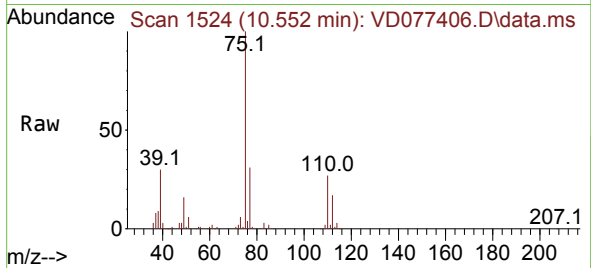




#53  
 t-1,3-Dichloropropene  
 Concen: 49.959 ug/l  
 RT: 10.552 min Scan# 11  
 Delta R.T. -0.005 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

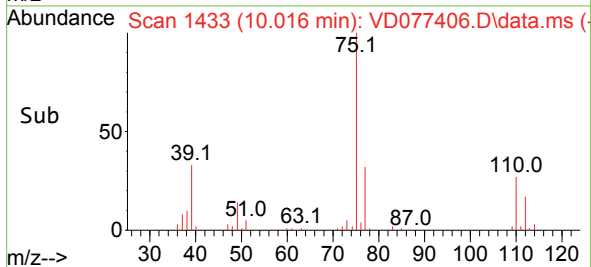
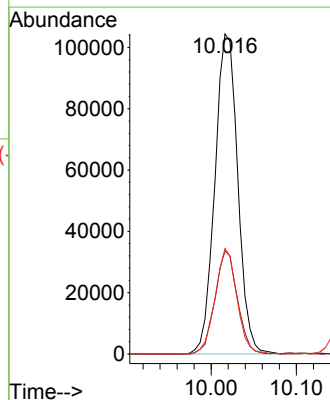
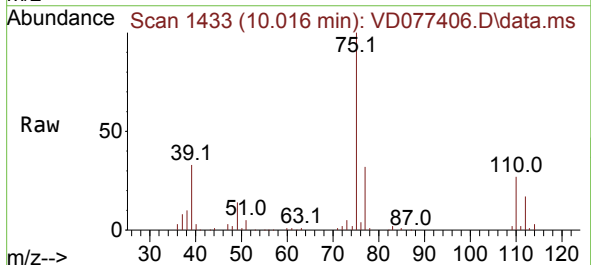
Instrument :  
 MSVOA\_D  
 ClientSampleId :

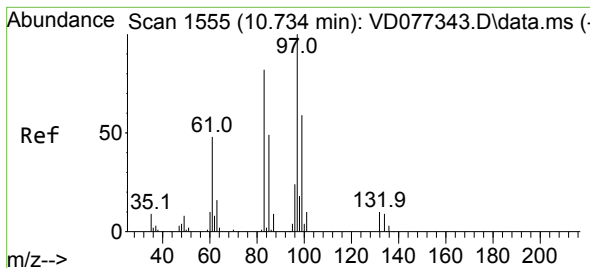
Tgt Ion: 75 Resp: 160154  
 Ion Ratio Lower Upper  
 75 100  
 77 31.0 25.3 37.9



#54  
 cis-1,3-Dichloropropene  
 Concen: 49.747 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

Tgt Ion: 75 Resp: 195123  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 25.5 38.3  
 39 32.9 22.1 33.1





#55

1,1,2-Trichloroethane

Concen: 47.568 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

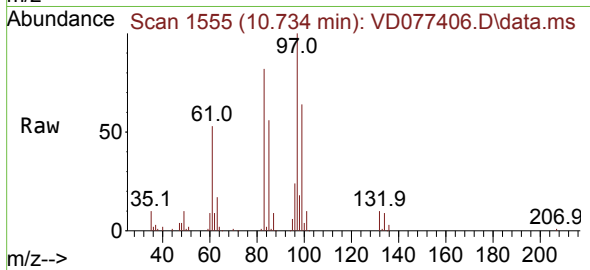
Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 97 Resp: 98677

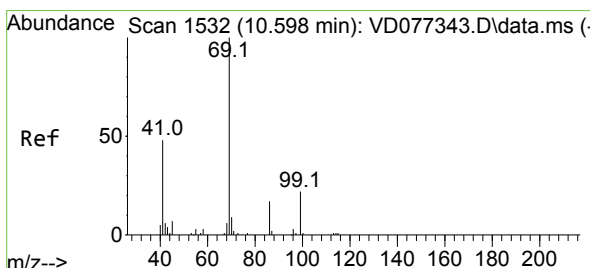
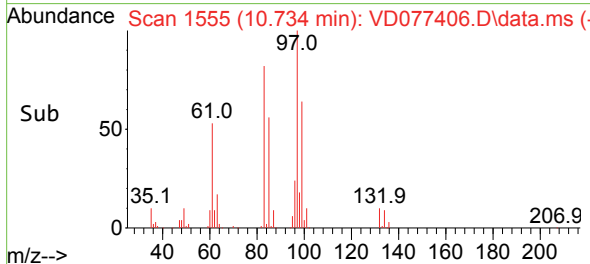
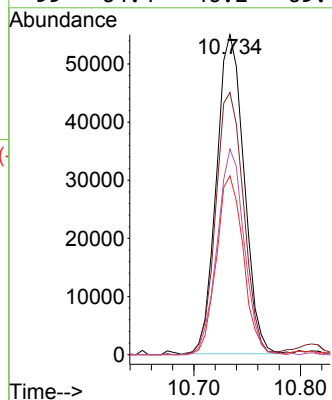
Ion Ratio Lower Upper

97 100

83 82.2 65.8 98.6

85 56.1 45.7 68.5

99 64.4 46.2 69.4



#56

Ethyl methacrylate

Concen: 52.547 ug/l

RT: 10.599 min Scan# 1532

Delta R.T. 0.001 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

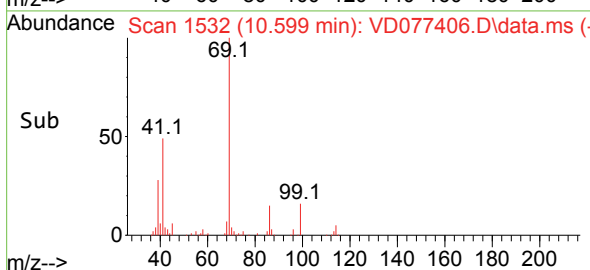
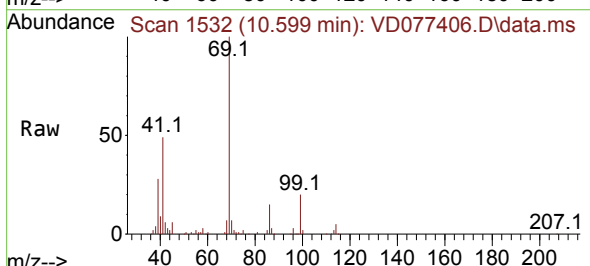
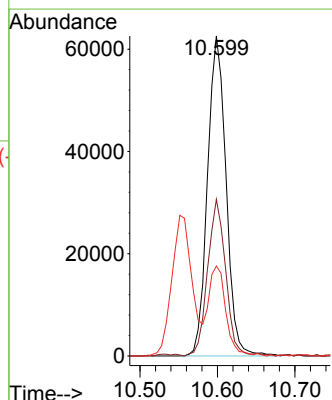
Tgt Ion: 69 Resp: 104175

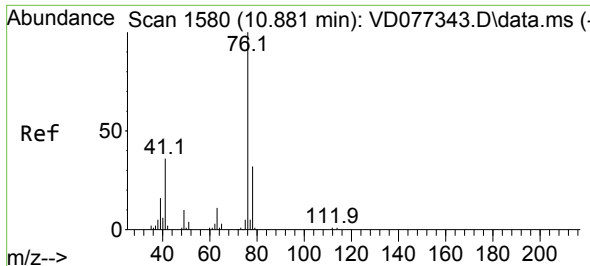
Ion Ratio Lower Upper

69 100

41 47.3 39.1 58.7

39 26.1 20.0 30.0





#57

1,3-Dichloropropane

Concen: 49.840 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

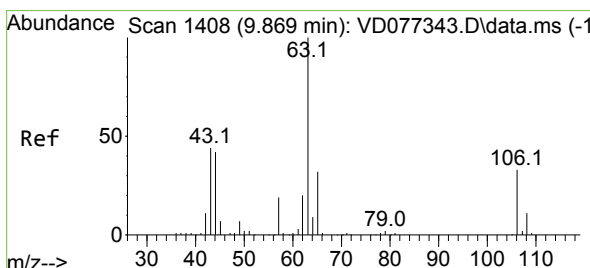
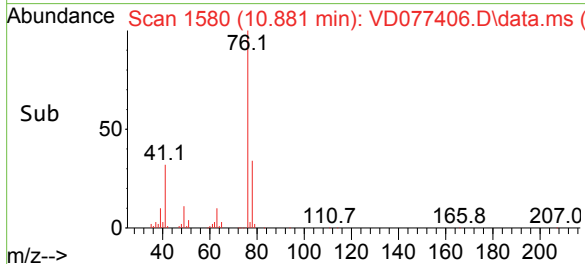
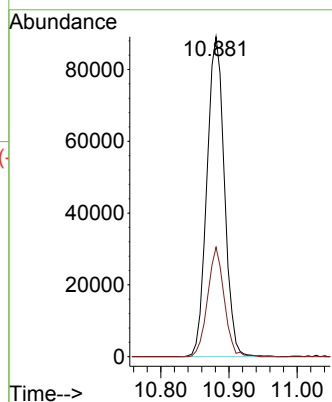
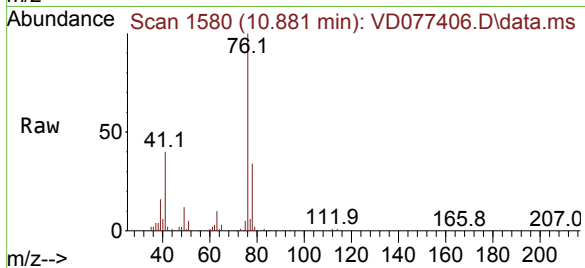
ClientSampleId :

Tgt Ion: 76 Resp: 158817

Ion Ratio Lower Upper

76 100

78 32.6 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 269.396 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD077406.D

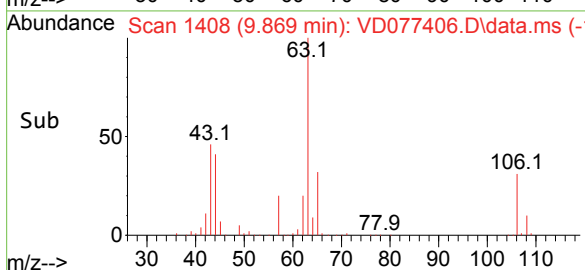
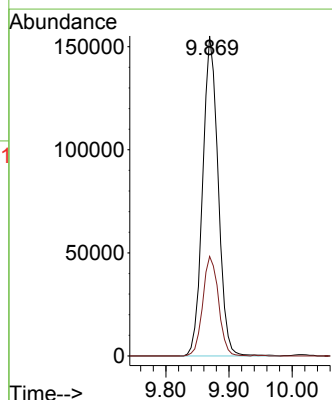
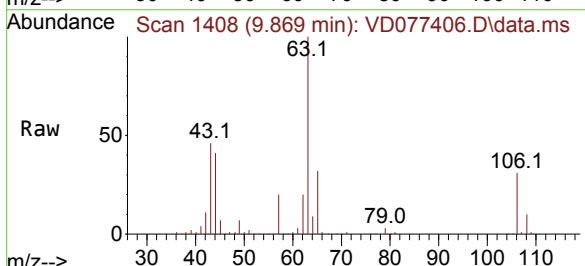
Acq: 25 Oct 2023 10:34

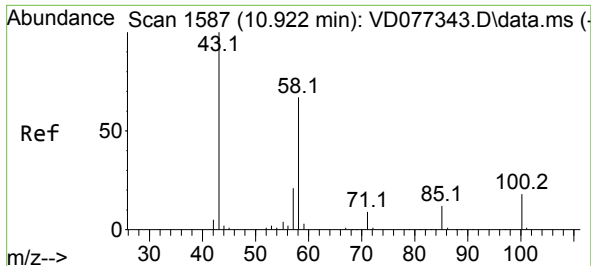
Tgt Ion: 63 Resp: 264116

Ion Ratio Lower Upper

63 100

106 31.7 25.3 37.9

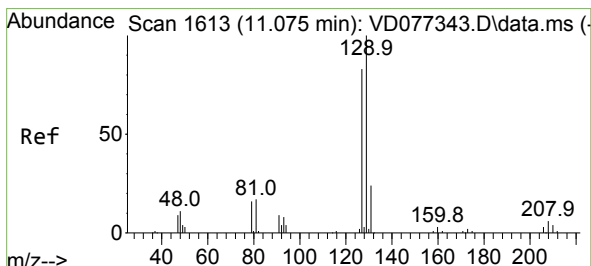
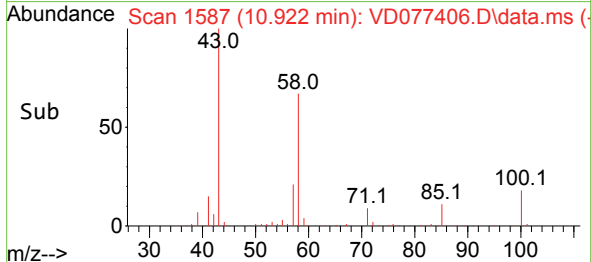
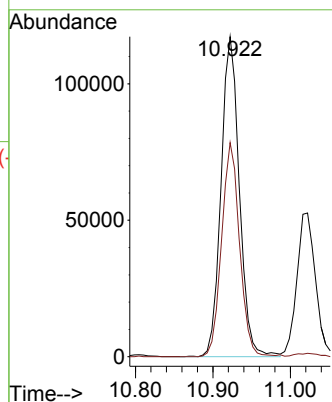
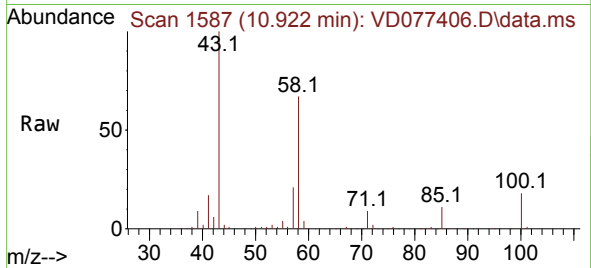




#59  
2-Hexanone  
Concen: 276.703 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

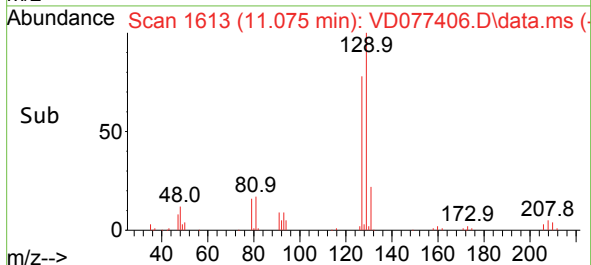
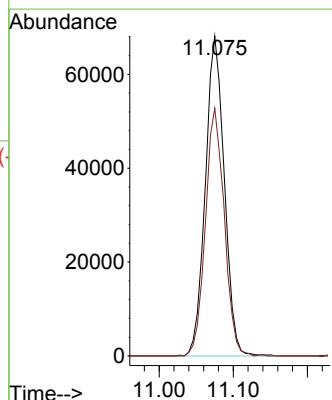
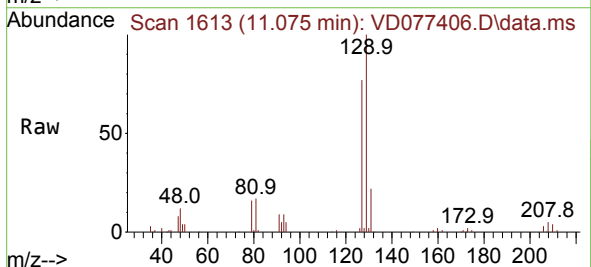
Instrument :  
MSVOA\_D  
ClientSampleId :

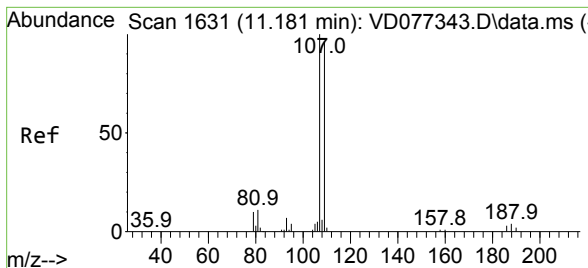
Tgt Ion: 43 Resp: 192927  
Ion Ratio Lower Upper  
43 100  
58 65.7 34.1 102.2



#60  
Dibromochloromethane  
Concen: 45.803 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion: 129 Resp: 121324  
Ion Ratio Lower Upper  
129 100  
127 77.2 37.1 111.5

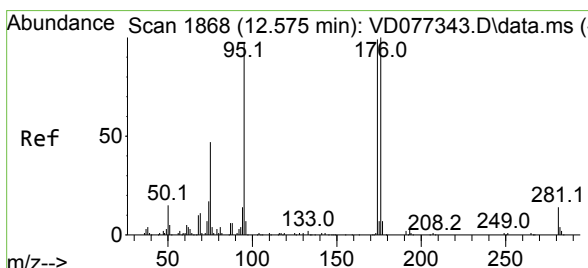
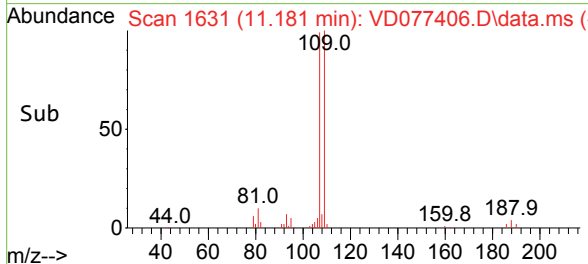
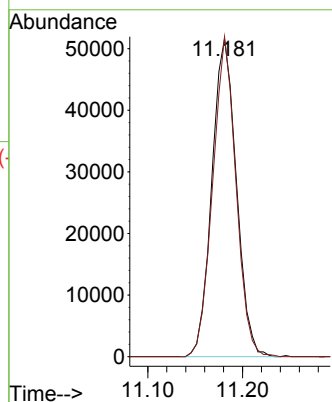
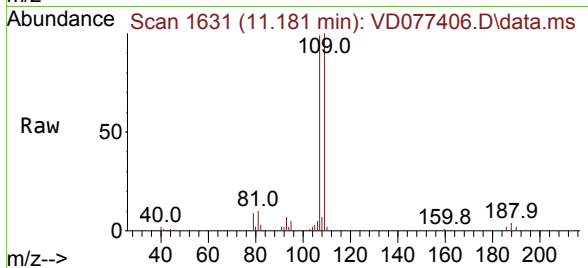




#61  
1,2-Dibromoethane  
Concen: 47.363 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

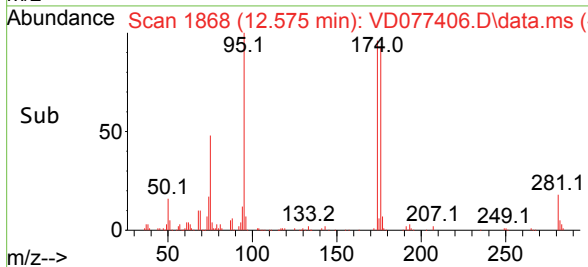
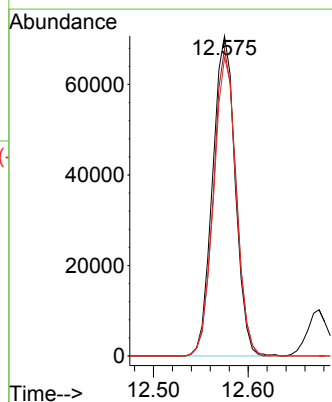
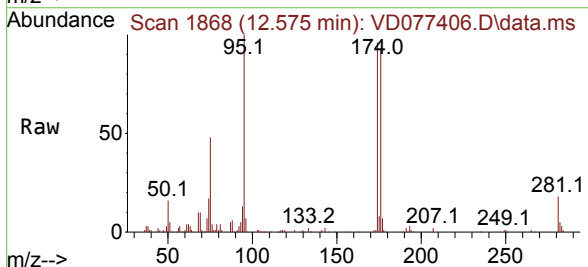
Instrument :  
MSVOA\_D  
ClientSampleId :

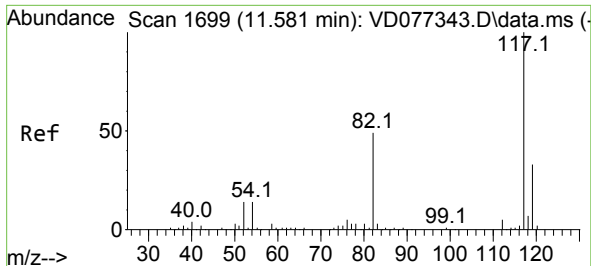
Tgt Ion:107 Resp: 92582  
Ion Ratio Lower Upper  
107 100  
109 95.6 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 43.569 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion: 95 Resp: 117066  
Ion Ratio Lower Upper  
95 100  
174 95.6 0.0 201.8  
176 93.4 0.0 191.8

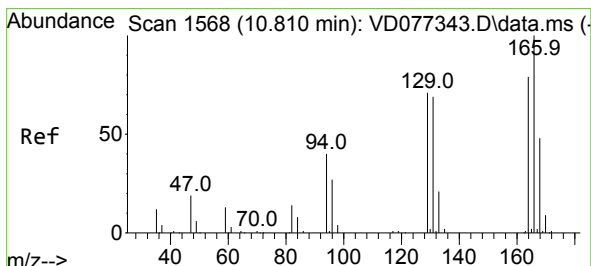
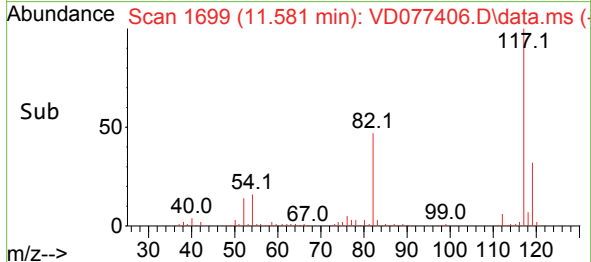
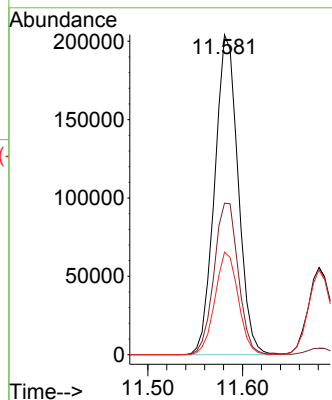
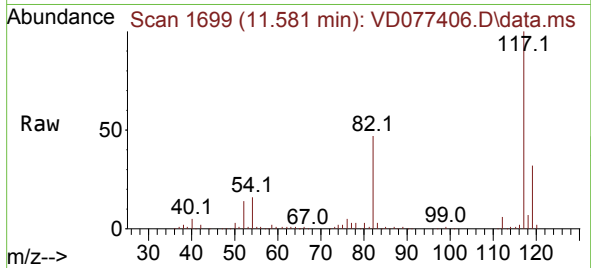




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

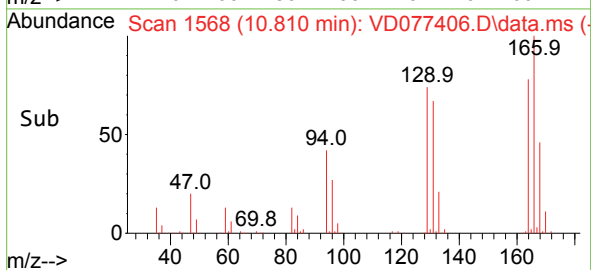
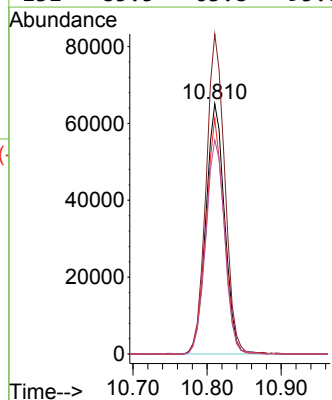
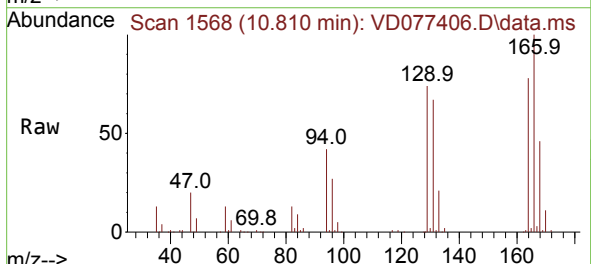
Instrument :  
MSVOA\_D  
ClientSampleId :

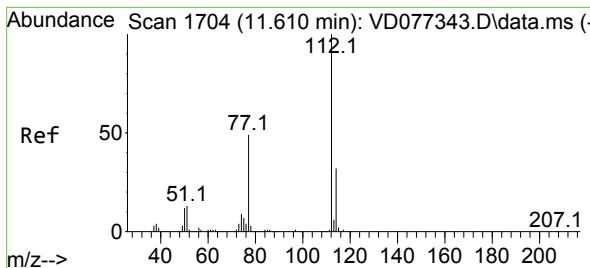
Tgt Ion:117 Resp: 351013  
Ion Ratio Lower Upper  
117 100  
82 47.3 38.3 57.5  
119 32.1 25.0 37.4



#64  
Tetrachloroethene  
Concen: 43.693 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion:164 Resp: 113994  
Ion Ratio Lower Upper  
164 100  
166 127.9 99.2 148.8  
129 94.1 68.4 102.6  
131 85.5 63.8 95.8





#65

Chlorobenzene

Concen: 46.809 ug/l

RT: 11.610 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

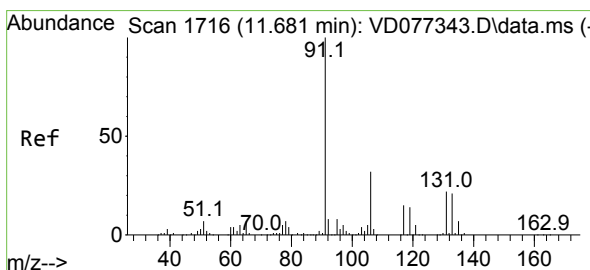
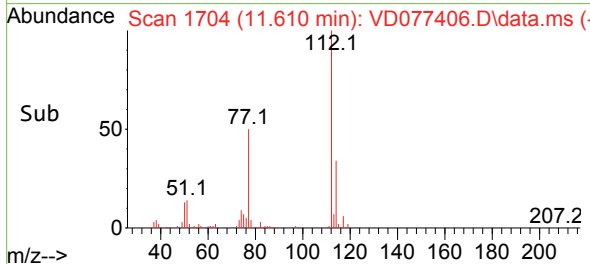
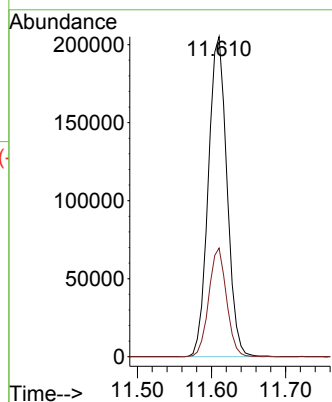
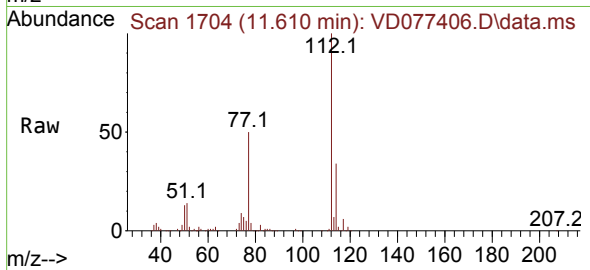
ClientSampleId :

Tgt Ion:112 Resp: 358139

Ion Ratio Lower Upper

112 100

114 33.9 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 45.606 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

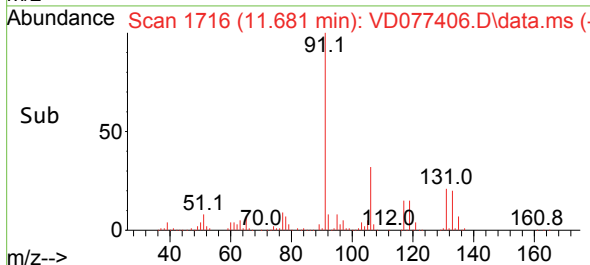
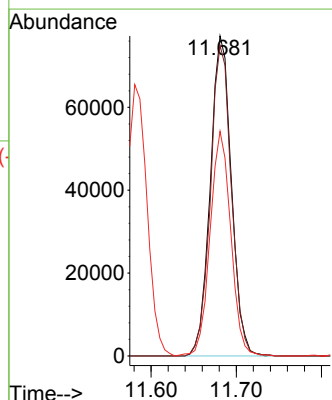
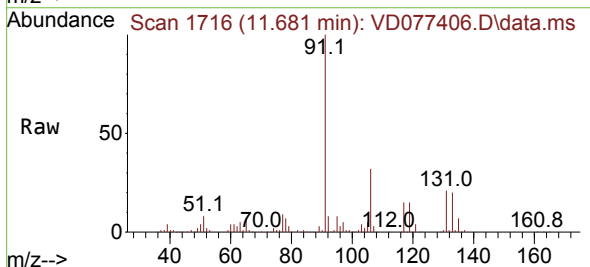
Tgt Ion:131 Resp: 132640

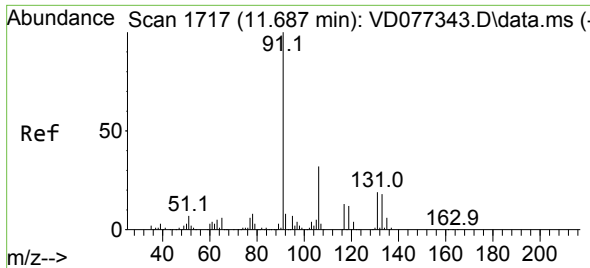
Ion Ratio Lower Upper

131 100

133 96.5 48.5 145.5

119 68.8 35.6 106.9





#67

Ethyl Benzene

Concen: 49.124 ug/l

RT: 11.687 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

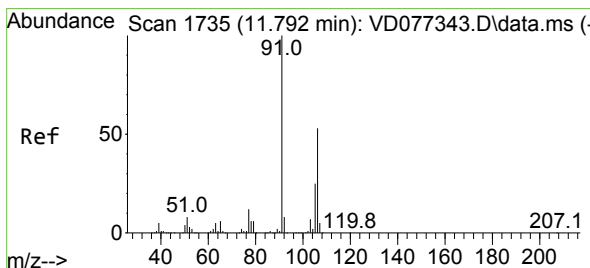
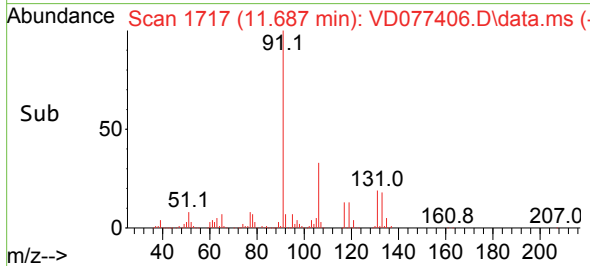
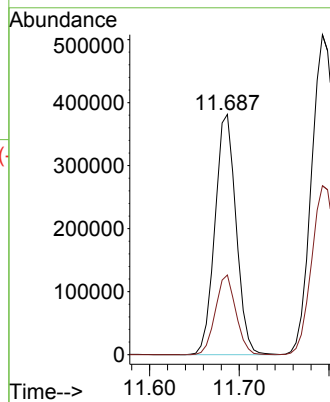
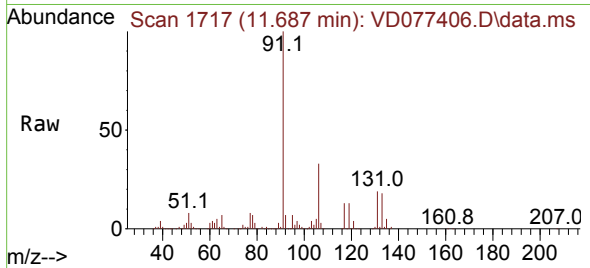
ClientSampleId :

Tgt Ion: 91 Resp: 623035

Ion Ratio Lower Upper

91 100

106 33.1 26.5 39.7



#68

m/p-Xylenes

Concen: 98.396 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. 0.001 min

Lab File: VD077406.D

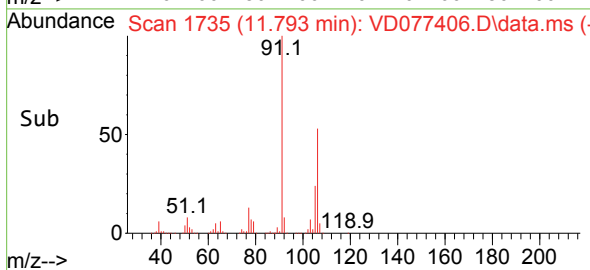
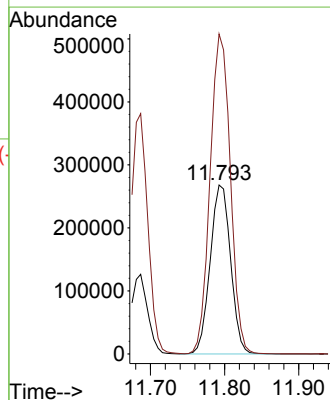
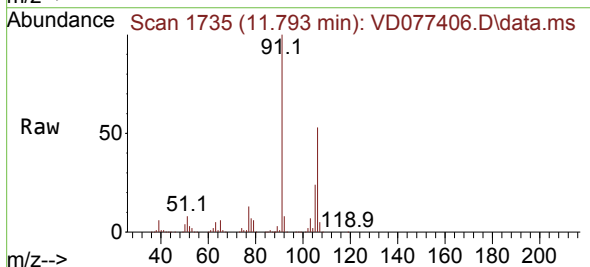
Acq: 25 Oct 2023 10:34

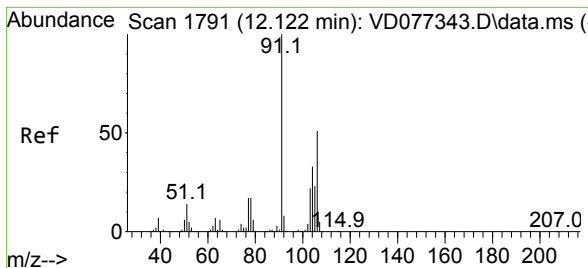
Tgt Ion:106 Resp: 512458

Ion Ratio Lower Upper

106 100

91 188.0 147.0 220.6

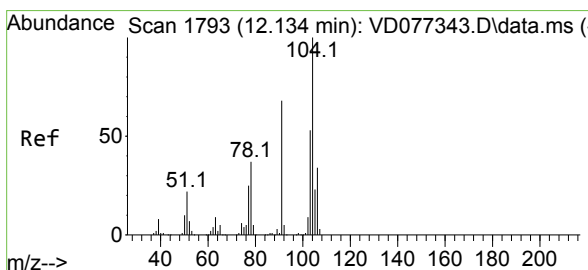
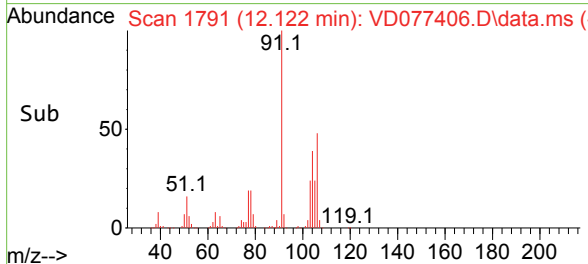
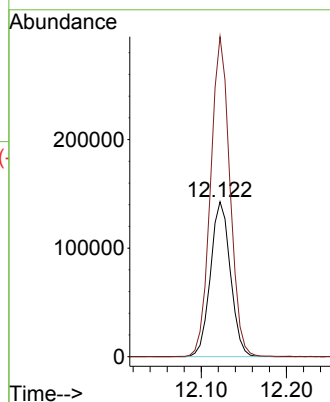
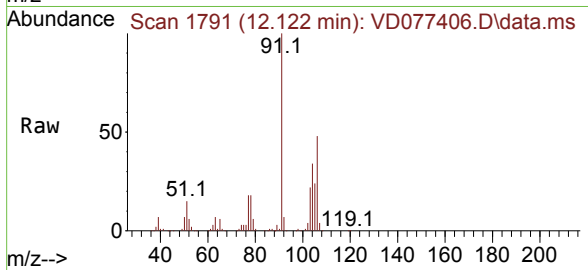




#69  
o-Xylene  
Concen: 48.365 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

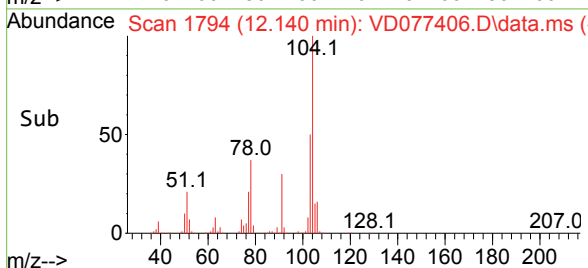
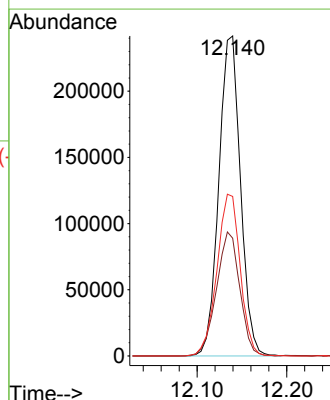
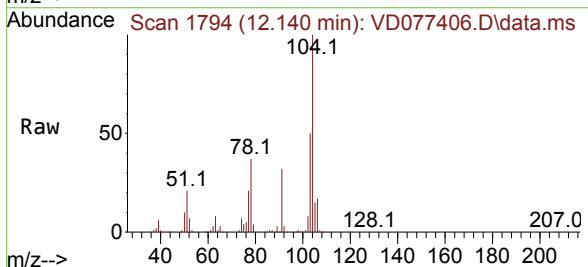
Instrument :  
MSVOA\_D  
ClientSampleId :

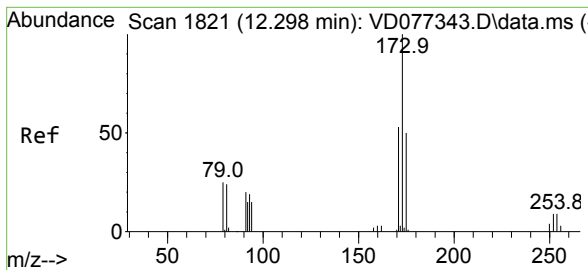
Tgt Ion:106 Resp: 231881  
Ion Ratio Lower Upper  
106 100  
91 200.8 97.9 293.6



#70  
Styrene  
Concen: 49.494 ug/l  
RT: 12.140 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion:104 Resp: 404859  
Ion Ratio Lower Upper  
104 100  
78 41.8 33.2 49.8  
103 54.4 43.6 65.4

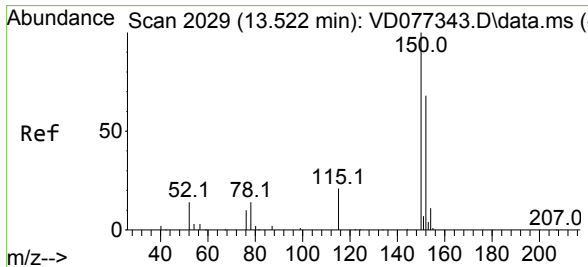
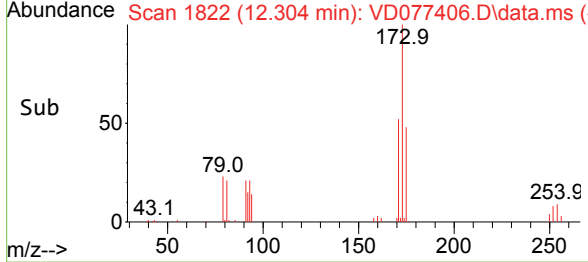
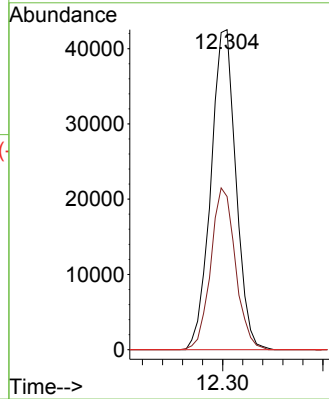
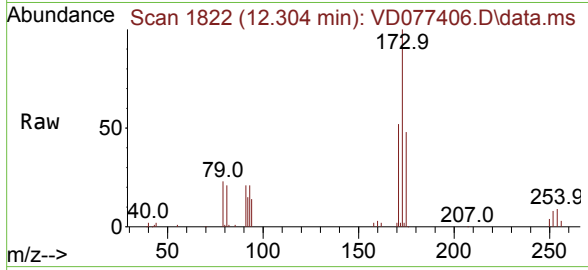




#71  
Bromoform  
Concen: 46.228 ug/l  
RT: 12.304 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

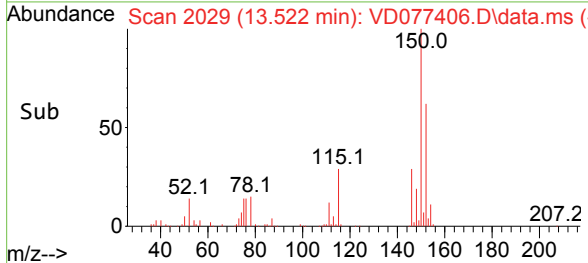
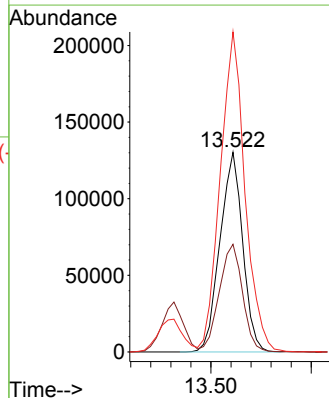
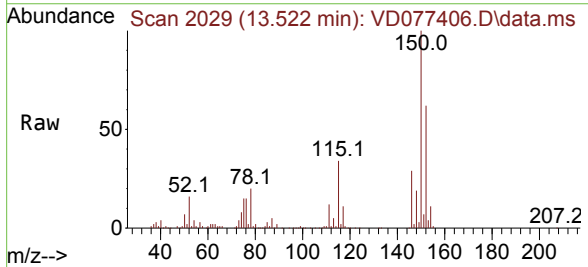
Instrument :  
MSVOA\_D  
ClientSampleId :

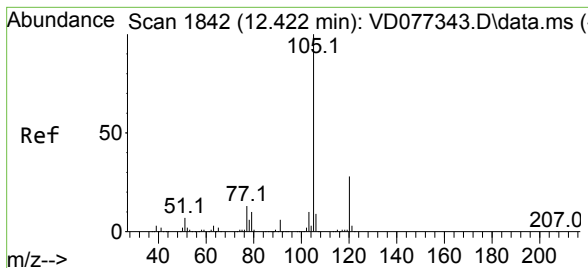
Tgt Ion:173 Resp: 73703  
Ion Ratio Lower Upper  
173 100  
175 49.8 24.6 73.8  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion:152 Resp: 204972  
Ion Ratio Lower Upper  
152 100  
115 55.3 27.1 81.3  
150 174.6 0.0 353.6





#73

Isopropylbenzene

Concen: 45.491 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

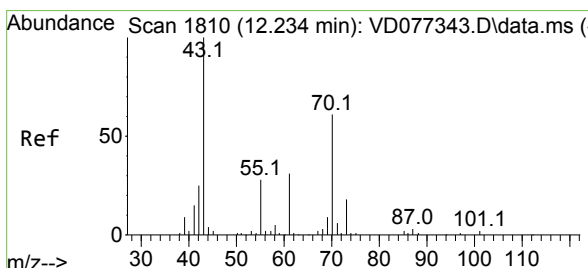
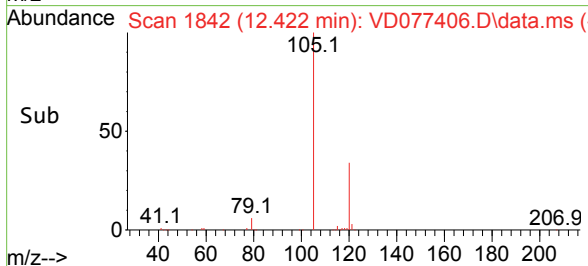
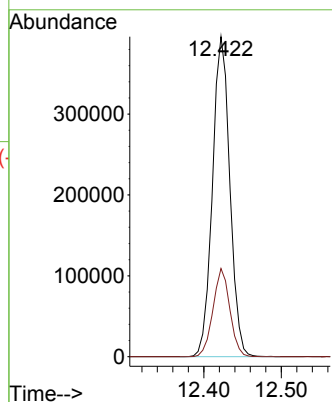
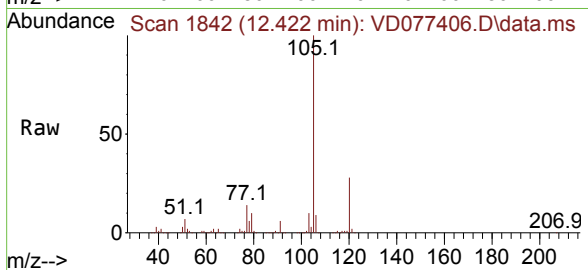
ClientSampleId :

Tgt Ion:105 Resp: 616755

Ion Ratio Lower Upper

105 100

120 26.7 14.3 42.9



#74

N-ethyl acetate

Concen: 47.889 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Tgt Ion: 43 Resp: 93403

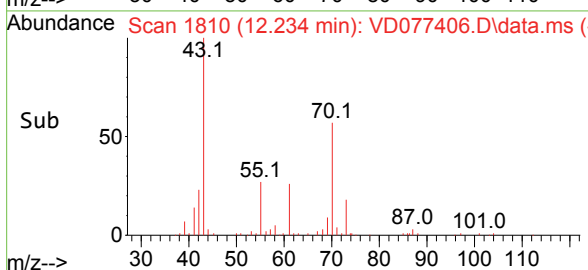
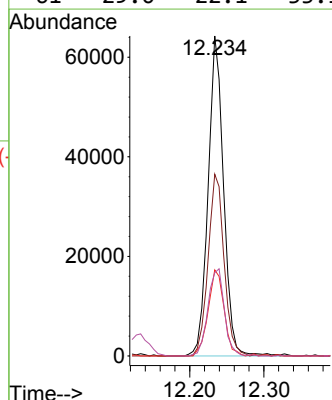
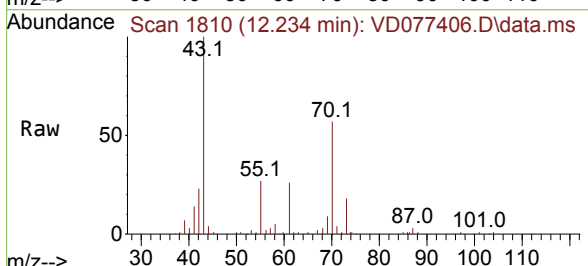
Ion Ratio Lower Upper

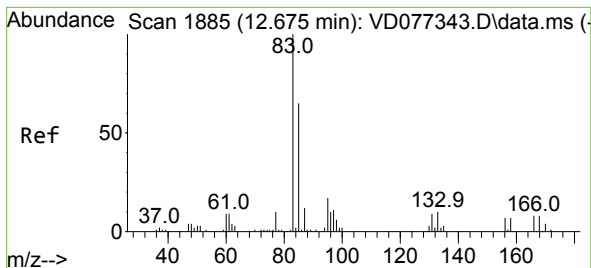
43 100

70 58.8 45.0 67.4

55 27.7 23.8 35.6

61 29.0 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 44.457 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

ClientSampleId :

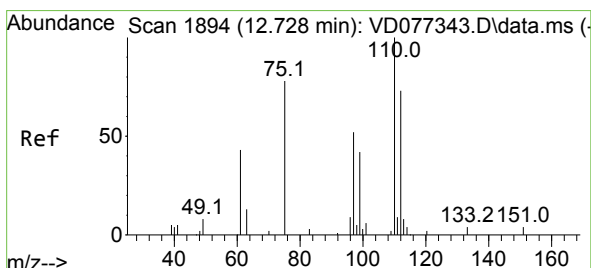
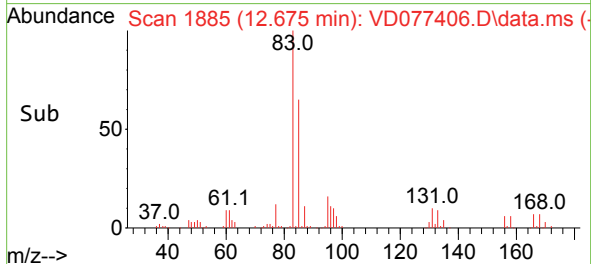
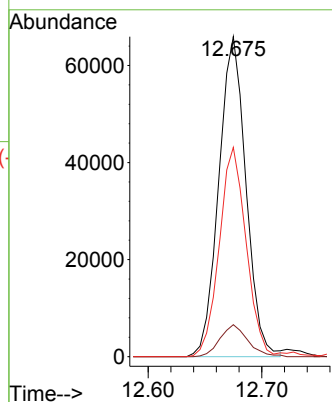
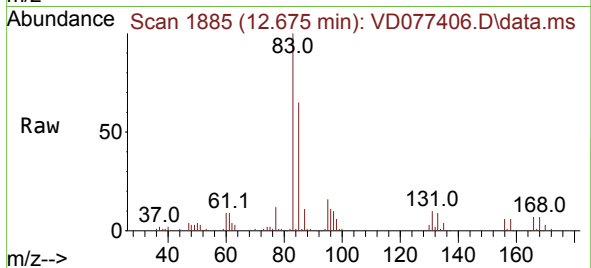
Tgt Ion: 83 Resp: 109527

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

85 65.0 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 46.919 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. -0.006 min

Lab File: VD077406.D

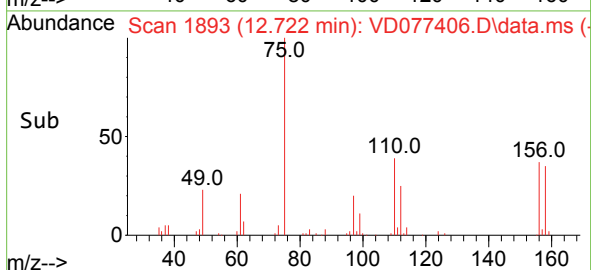
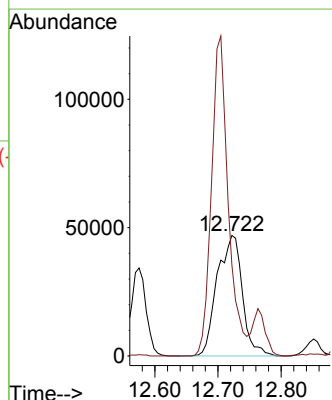
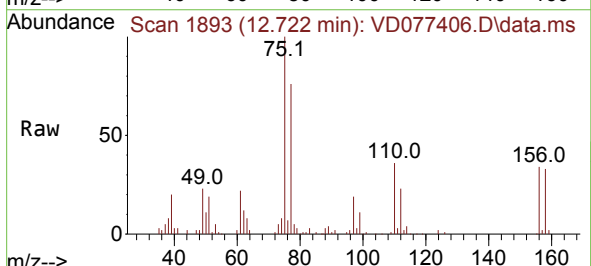
Acq: 25 Oct 2023 10:34

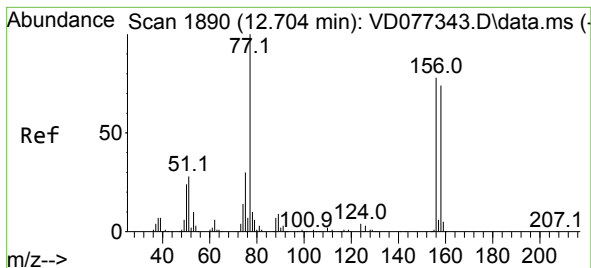
Tgt Ion: 75 Resp: 130062

Ion Ratio Lower Upper

75 100

77 176.8 0.0 0.0#





#77

Bromobenzene

Concen: 40.982 ug/l

RT: 12.704 min Scan# 1890

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

ClientSampleId :

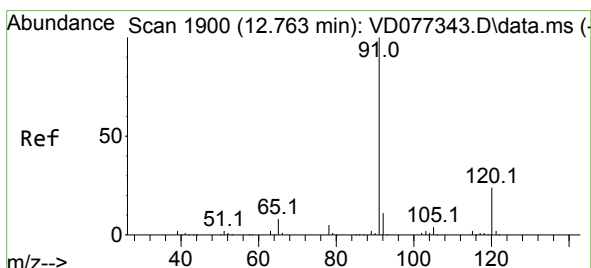
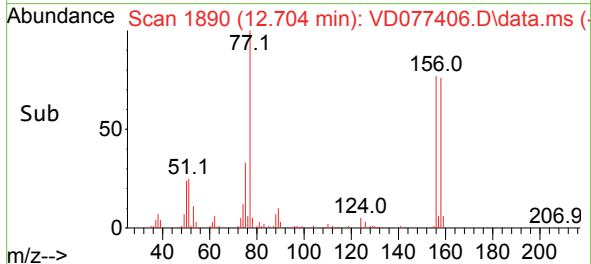
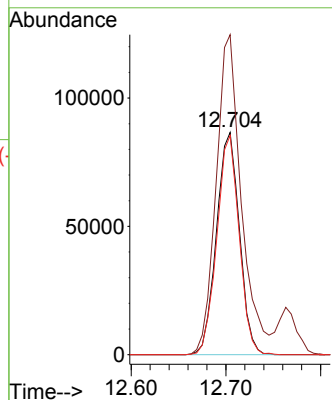
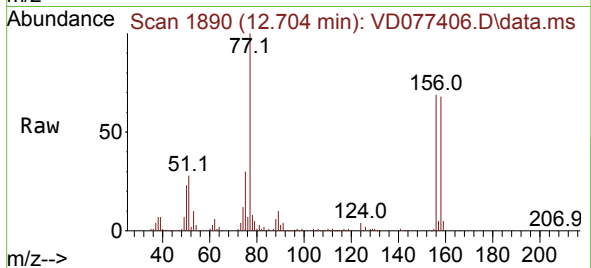
Tgt Ion:156 Resp: 145871

Ion Ratio Lower Upper

156 100

77 157.7 76.8 230.4

158 95.6 48.6 145.9



#78

n-propylbenzene

Concen: 45.445 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD077406.D

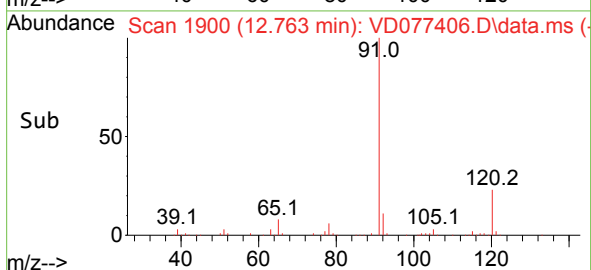
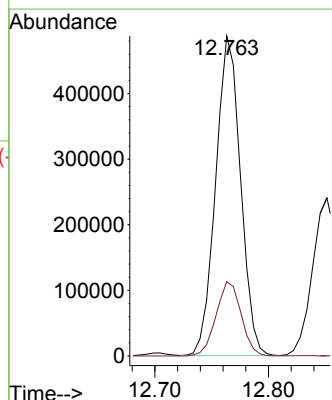
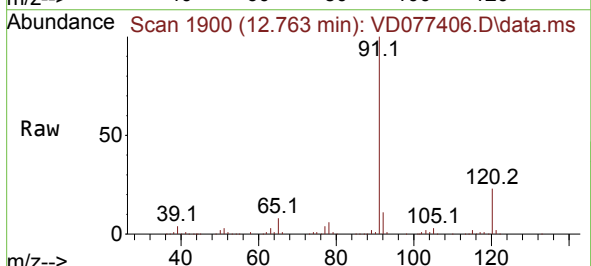
Acq: 25 Oct 2023 10:34

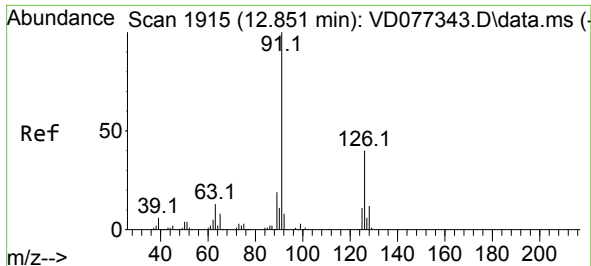
Tgt Ion: 91 Resp: 742024

Ion Ratio Lower Upper

91 100

120 23.4 12.4 37.2

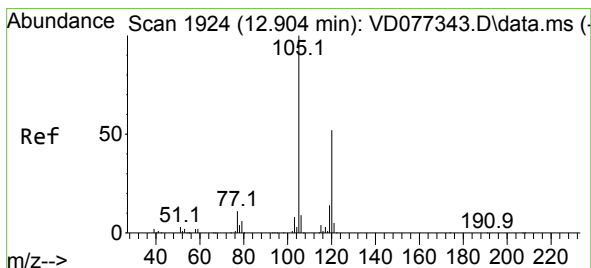
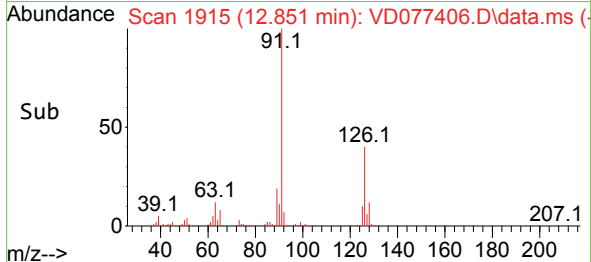
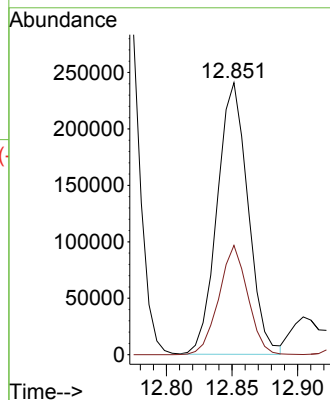
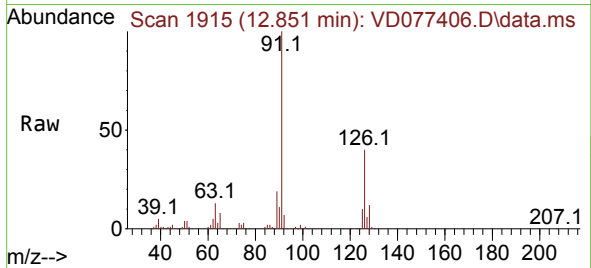




#79  
2-Chlorotoluene  
Concen: 44.317 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

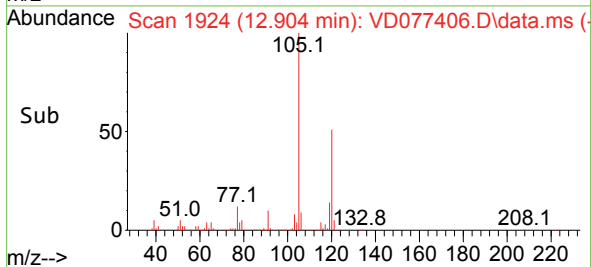
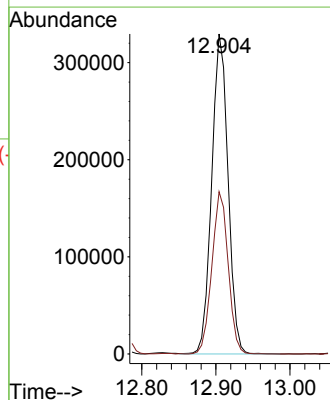
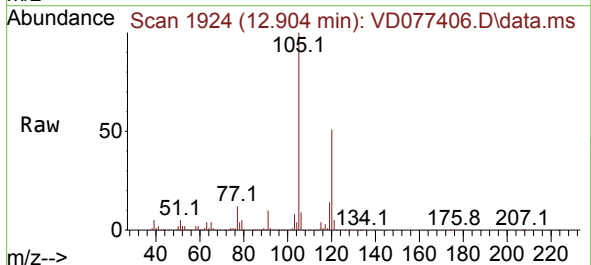
Instrument :  
MSVOA\_D  
ClientSampleId :

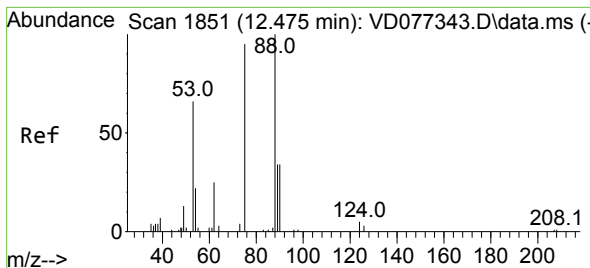
Tgt Ion: 91 Resp: 394136  
Ion Ratio Lower Upper  
91 100  
126 37.6 19.4 58.1



#80  
1,3,5-Trimethylbenzene  
Concen: 45.036 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion:105 Resp: 503863  
Ion Ratio Lower Upper  
105 100  
120 50.7 26.4 79.2

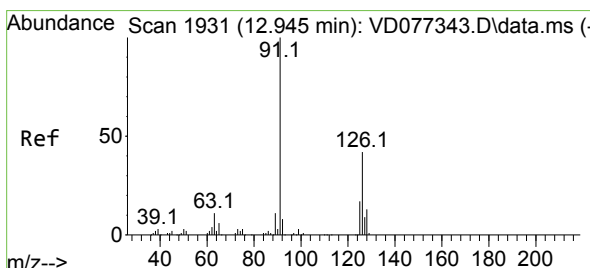
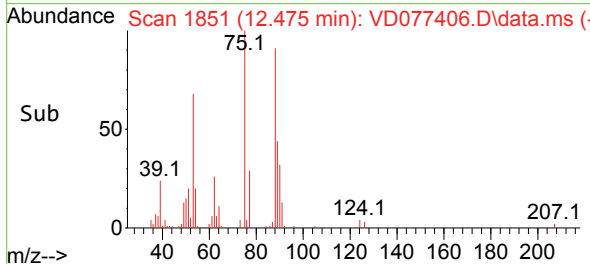
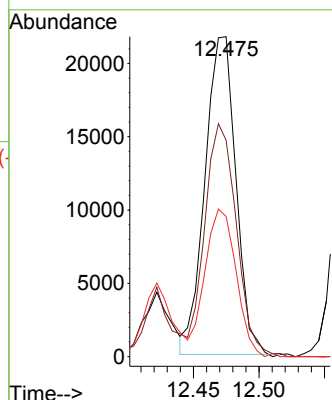
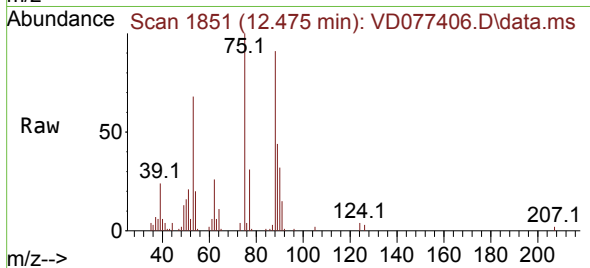




#81  
trans-1,4-Dichloro-2-butene  
Concen: 46.425 ug/l  
RT: 12.475 min Scan# 1851  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

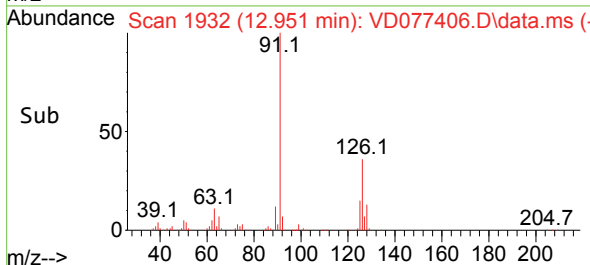
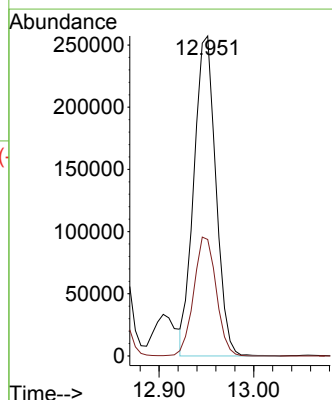
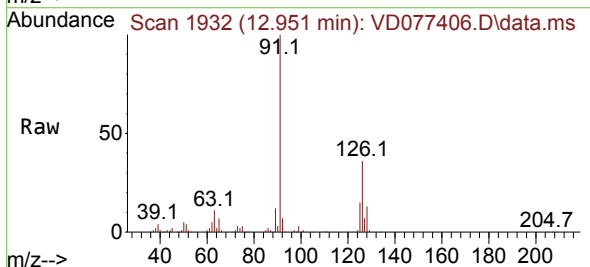
Instrument :  
MSVOA\_D  
ClientSampleId :

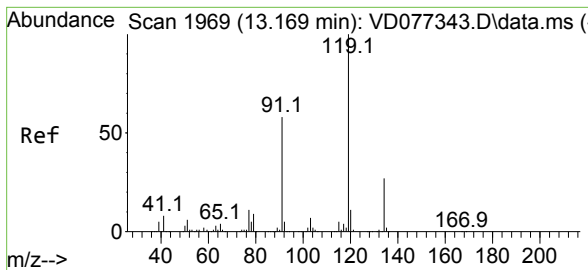
Tgt Ion: 75 Resp: 35513  
Ion Ratio Lower Upper  
75 100  
53 75.0 63.0 94.4  
89 47.0 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 44.761 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. 0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion: 91 Resp: 414449  
Ion Ratio Lower Upper  
91 100  
126 38.2 19.4 58.4

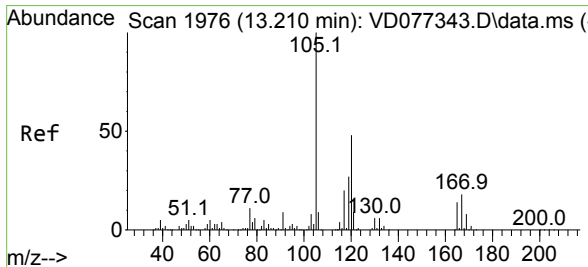
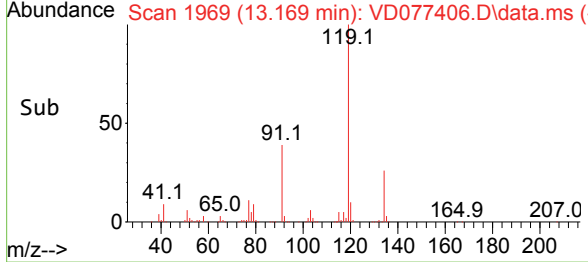
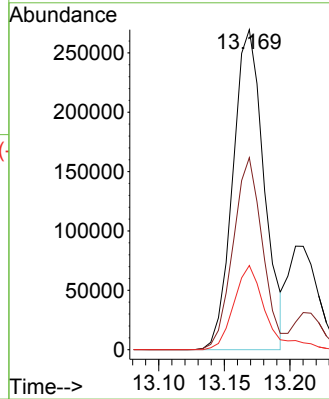
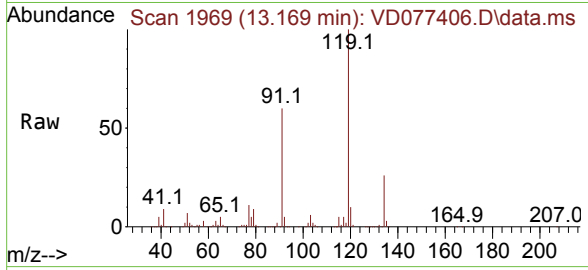




#83  
 tert-Butylbenzene  
 Concen: 45.023 ug/l  
 RT: 13.169 min Scan# 1969  
 Delta R.T. 0.000 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

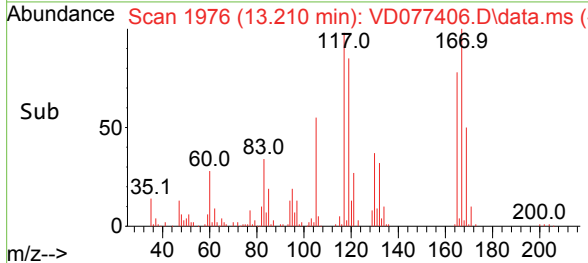
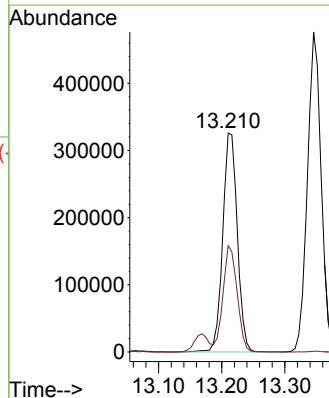
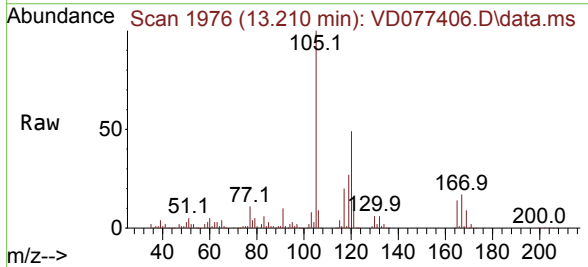
Instrument :  
 MSVOA\_D  
 ClientSampleId :

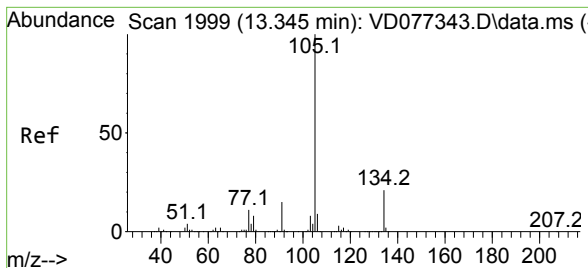
Tgt Ion:119 Resp: 446592  
 Ion Ratio Lower Upper  
 119 100  
 91 57.5 29.3 87.8  
 134 26.9 14.1 42.3



#84  
 1,2,4-Trimethylbenzene  
 Concen: 46.393 ug/l  
 RT: 13.210 min Scan# 1976  
 Delta R.T. 0.000 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

Tgt Ion:105 Resp: 522592  
 Ion Ratio Lower Upper  
 105 100  
 120 46.8 24.3 72.9

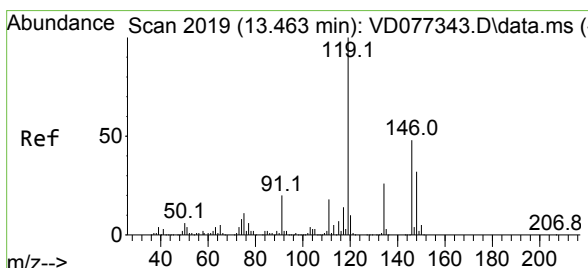
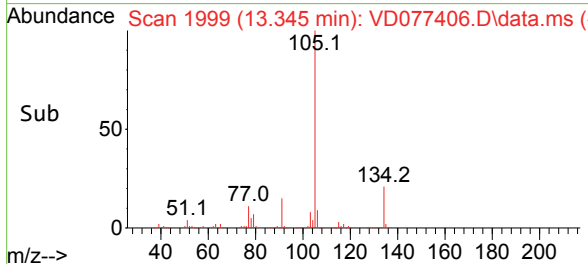
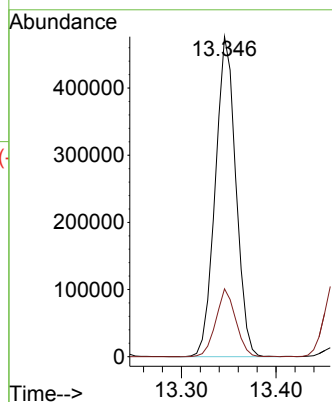
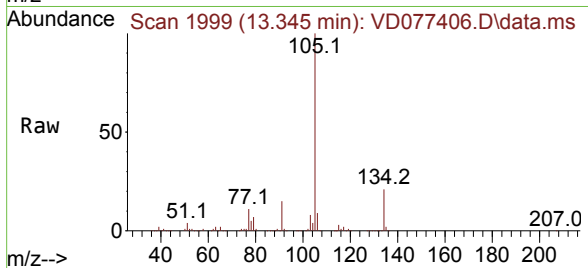




#85  
 sec-Butylbenzene  
 Concen: 48.184 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. 0.000 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

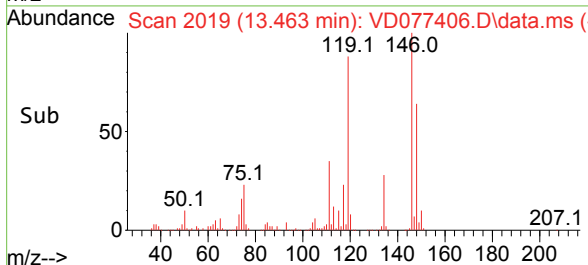
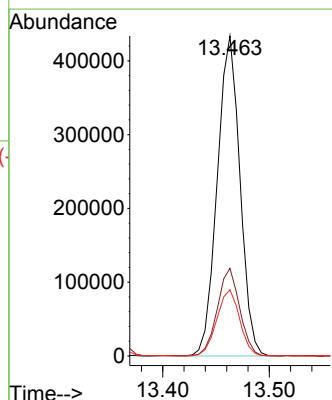
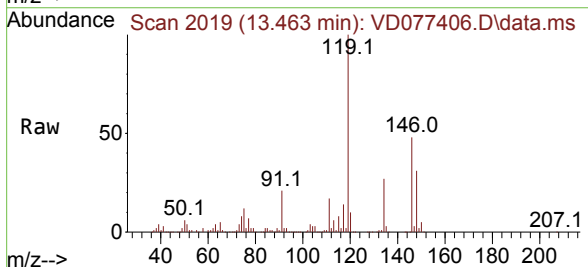
Instrument :  
 MSVOA\_D  
 ClientSampleId :

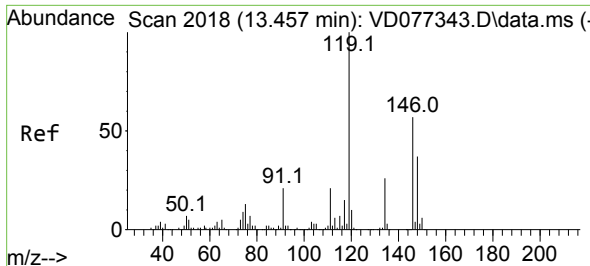
Tgt Ion:105 Resp: 719215  
 Ion Ratio Lower Upper  
 105 100  
 134 20.5 10.9 32.9



#86  
 p-Isopropyltoluene  
 Concen: 49.471 ug/l  
 RT: 13.463 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

Tgt Ion:119 Resp: 641503  
 Ion Ratio Lower Upper  
 119 100  
 134 27.0 14.2 42.6  
 91 20.9 10.5 31.5

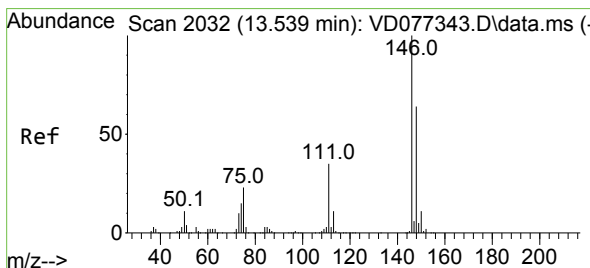
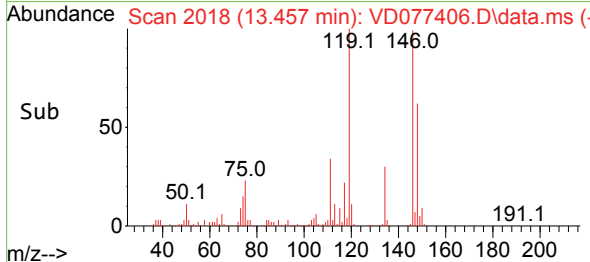
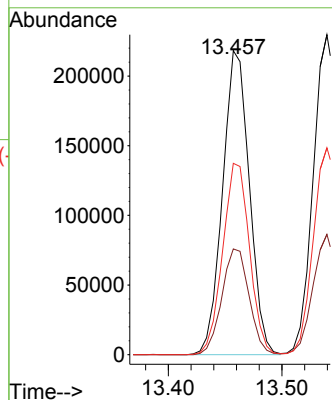
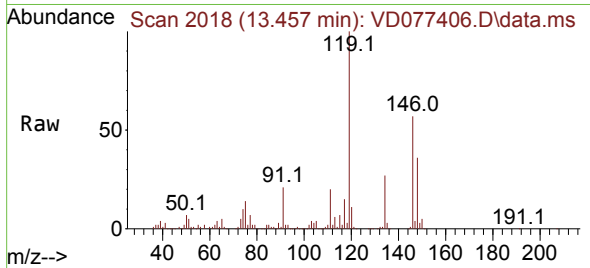




#87  
1,3-Dichlorobenzene  
Concen: 47.736 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

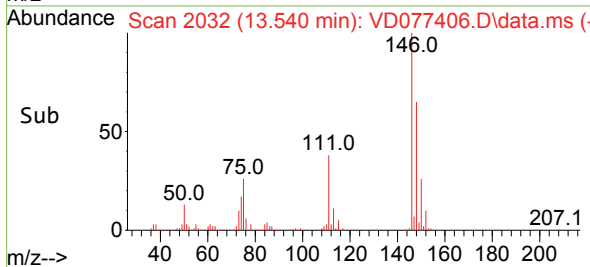
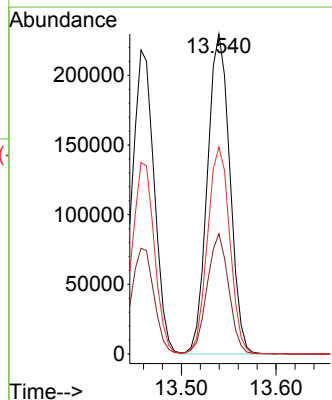
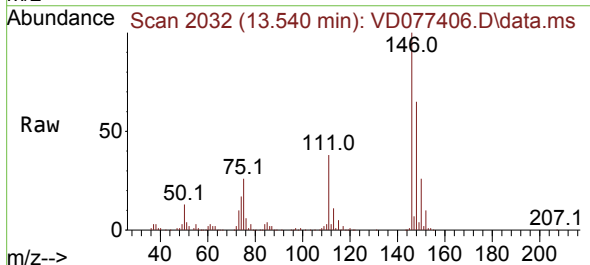
Instrument :  
MSVOA\_D  
ClientSampleId :

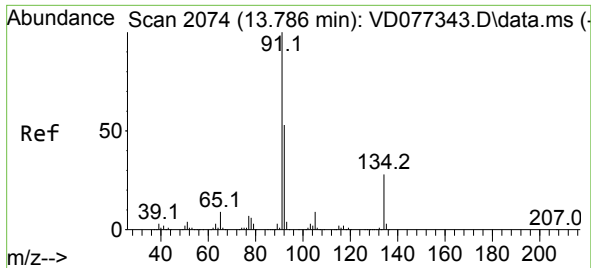
Tgt Ion:146 Resp: 357573  
Ion Ratio Lower Upper  
146 100  
111 35.4 17.9 53.8  
148 63.2 32.3 96.8



#88  
1,4-Dichlorobenzene  
Concen: 50.858 ug/l  
RT: 13.540 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion:146 Resp: 377513  
Ion Ratio Lower Upper  
146 100  
111 36.2 17.4 52.3  
148 64.0 31.7 95.1

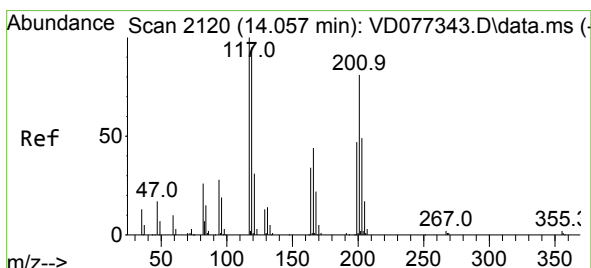
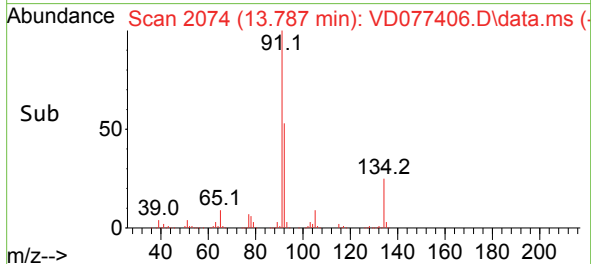
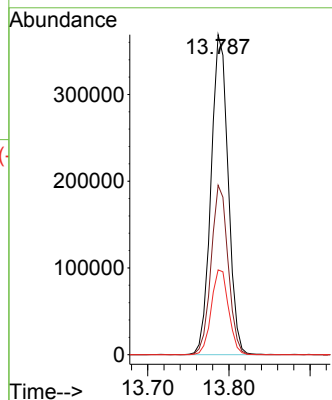
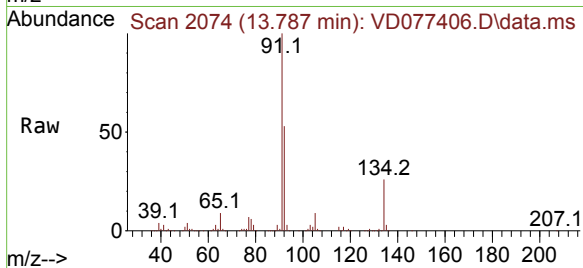




#89  
n-Butylbenzene  
Concen: 47.740 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

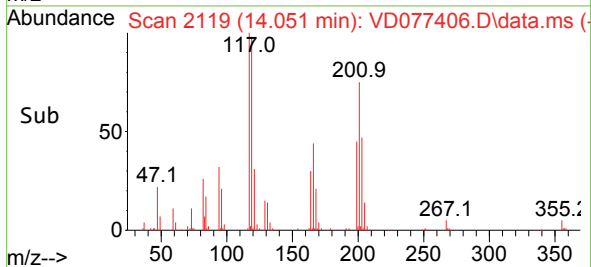
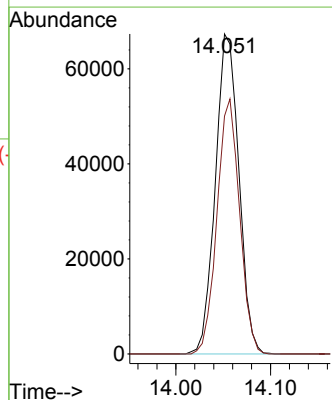
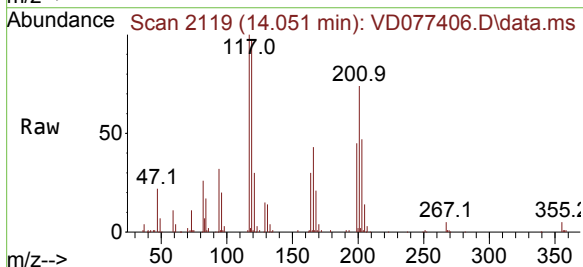
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MSVOA\_D  
ClientSampleId :

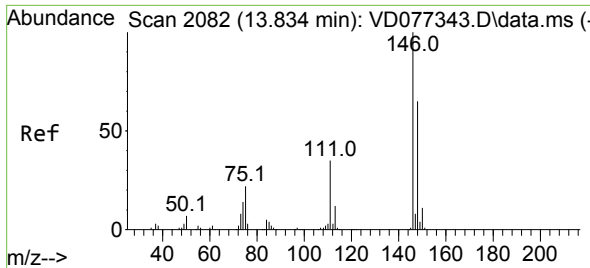
Tgt Ion: 91 Resp: 539047  
Ion Ratio Lower Upper  
91 100  
92 52.5 26.5 79.5  
134 26.7 13.8 41.3



#90  
Hexachloroethane  
Concen: 44.438 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. -0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

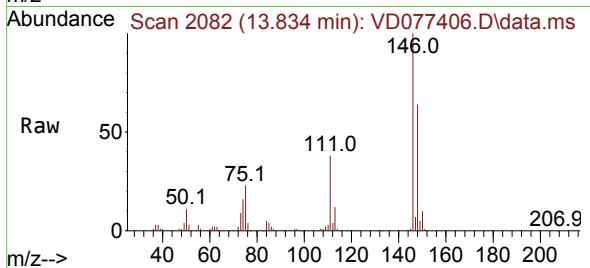
Tgt Ion: 117 Resp: 116479  
Ion Ratio Lower Upper  
117 100  
201 76.6 38.5 115.5



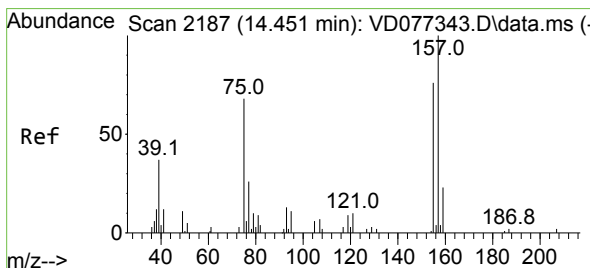
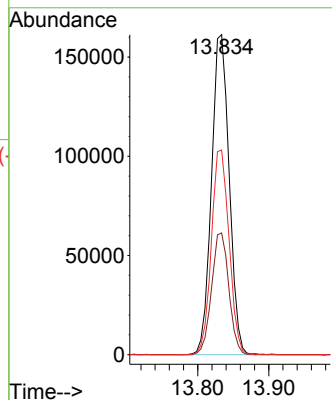
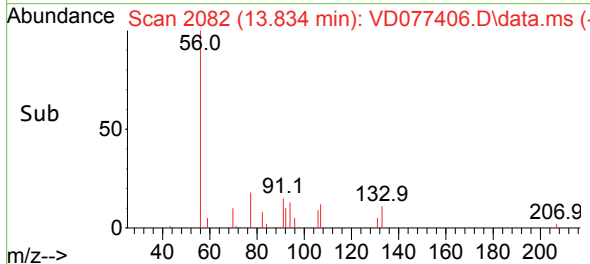


#91  
 1,2-Dichlorobenzene  
 Concen: 44.080 ug/l  
 RT: 13.834 min Scan# 2082  
 Delta R.T. 0.000 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34

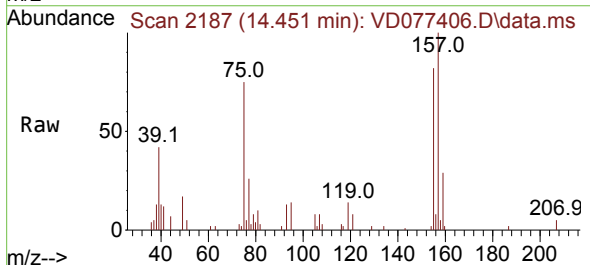
Instrument :  
 MSVOA\_D  
 ClientSampleId :



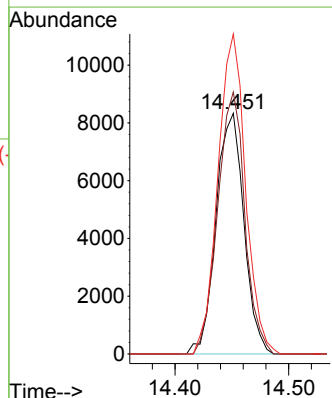
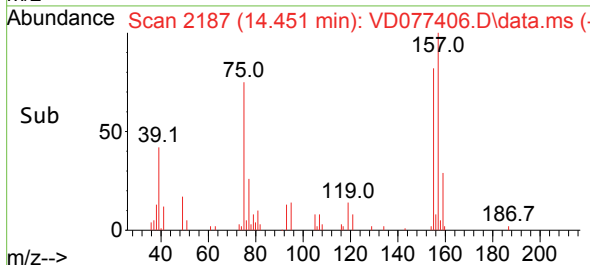
Tgt Ion:146 Resp: 278923  
 Ion Ratio Lower Upper  
 146 100  
 111 37.2 18.3 54.8  
 148 63.8 31.6 94.7

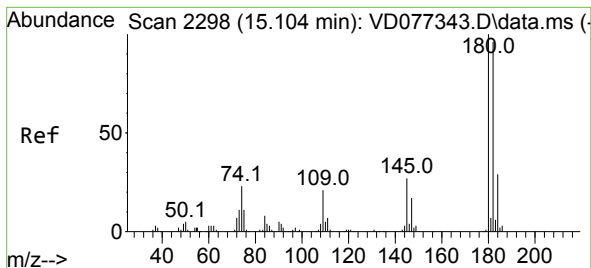


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.176 ug/l  
 RT: 14.451 min Scan# 2187  
 Delta R.T. 0.000 min  
 Lab File: VD077406.D  
 Acq: 25 Oct 2023 10:34



Tgt Ion: 75 Resp: 14226  
 Ion Ratio Lower Upper  
 75 100  
 155 105.8 47.9 143.8  
 157 131.5 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 40.205 ug/l

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

Instrument :

MSVOA\_D

ClientSampleId :

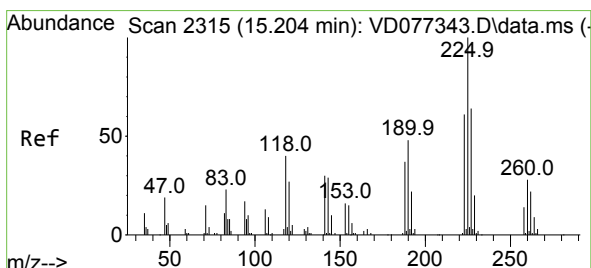
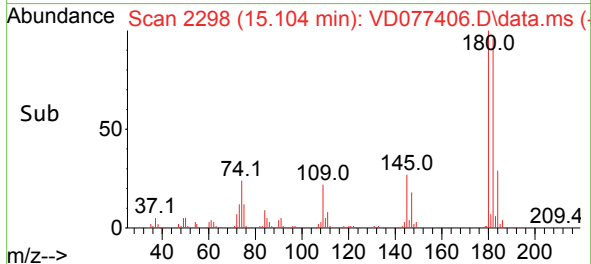
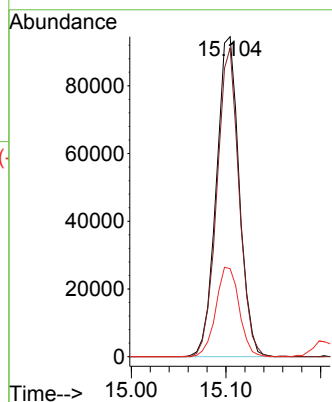
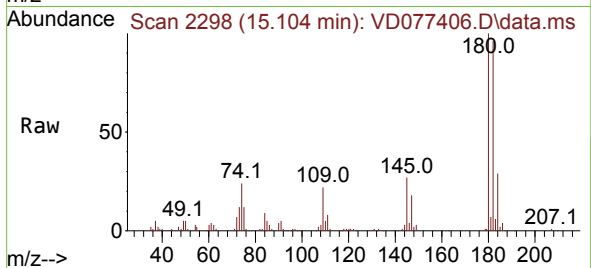
Tgt Ion:180 Resp: 158507

Ion Ratio Lower Upper

180 100

182 93.5 48.5 145.6

145 28.5 14.2 42.6



#94

Hexachlorobutadiene

Concen: 38.061 ug/l

RT: 15.210 min Scan# 2316

Delta R.T. 0.006 min

Lab File: VD077406.D

Acq: 25 Oct 2023 10:34

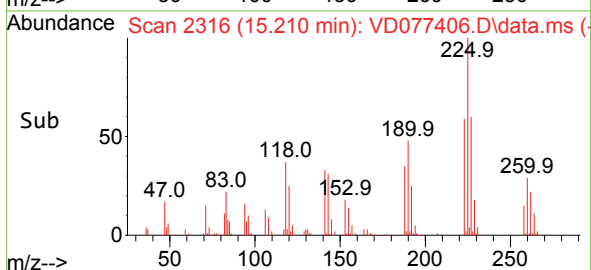
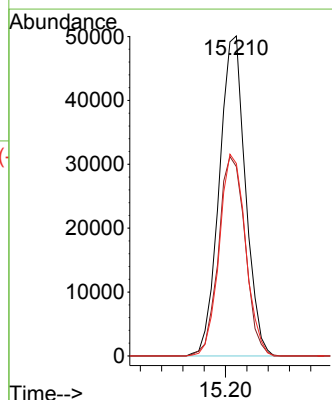
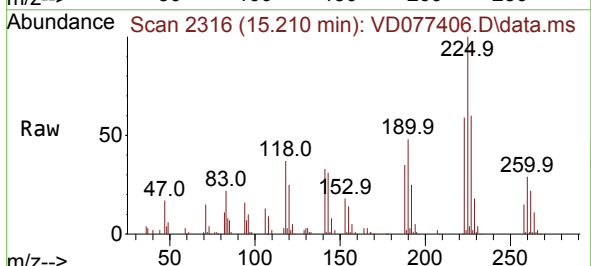
Tgt Ion:225 Resp: 85220

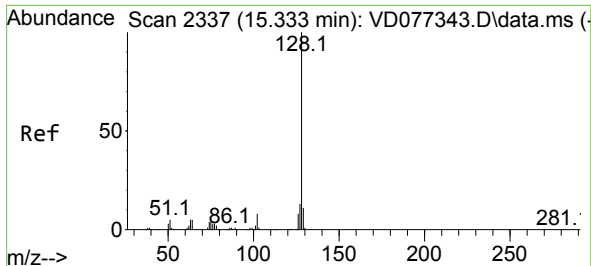
Ion Ratio Lower Upper

225 100

223 63.6 31.6 94.8

227 63.2 31.7 95.1

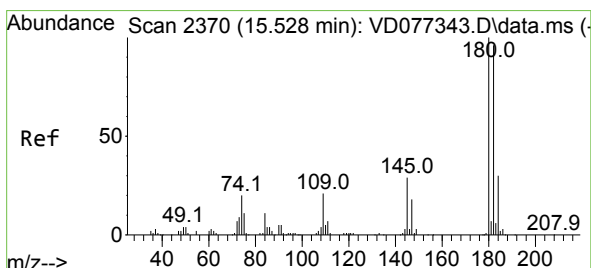
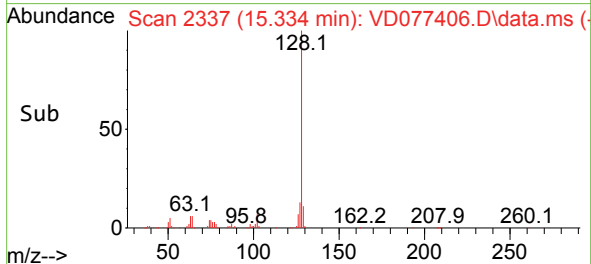
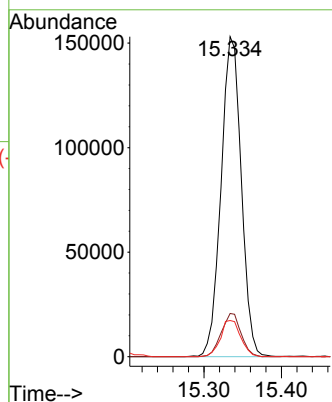
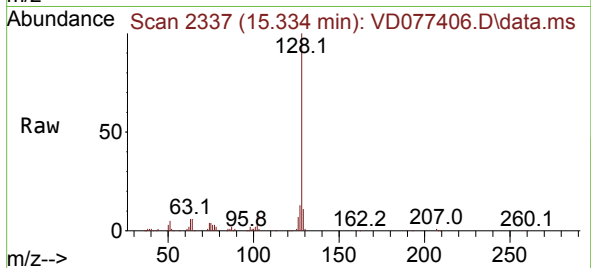




#95  
Naphthalene  
Concen: 41.804 ug/l  
RT: 15.334 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 278266  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.5 15.7  
129 11.3 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 40.176 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.006 min  
Lab File: VD077406.D  
Acq: 25 Oct 2023 10:34

Tgt Ion:180 Resp: 137481  
Ion Ratio Lower Upper  
180 100  
182 93.5 47.3 141.9  
145 30.1 15.1 45.3

