

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080323\  
 Data File : VD076915.D  
 Acq On : 03 Aug 2023 11:55  
 Operator : KP/SY  
 Sample : VSTD10062  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD100162

Quant Time: Aug 04 01:42:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 04 01:33:35 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114  | 307055   | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117  | 317998   | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152  | 171621   | 25.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 2.269  | 65   | 730149   | 99.705  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.793  | 69   | 691819   | 112.568 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 3.916  | 65   | 184589   | 96.716  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 6.981  | 46   | 280947   | 242.970 | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.569  | 84   | 943195   | 114.946 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65   | 482482   | 119.068 | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.199  | 84   | 1923607  | 101.083 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67   | 572868   | 94.725  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.269 | 98   | 1868093  | 105.523 | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79   | 273552   | 107.794 | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.875 | 63   | 258214   | 259.205 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84   | 576690   | 125.356 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152  | 631755   | 102.233 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.928  | 85   | 453699   | 95.674  | ug/L   | 99       |
| 3) Chloromethane              | 2.146  | 50   | 596472   | 77.864  | ug/L   | 100      |
| 5) Vinyl chloride             | 2.281  | 62   | 890508   | 103.043 | ug/L   | 94       |
| 6) Bromomethane               | 2.675  | 94   | 733351   | 143.060 | ug/L   | 99       |
| 8) Chloroethane               | 2.828  | 64   | 610779   | 112.807 | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.169  | 101  | 738817   | 113.525 | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.963  | 101  | 479379   | 113.342 | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 3.934  | 96   | 454395   | 111.802 | ug/L   | 92       |
| 13) Acetone                   | 4.022  | 43   | 297109   | 287.454 | ug/L   | 95       |
| 14) Carbon disulfide          | 4.263  | 76   | 1526226  | 103.949 | ug/L   | 100      |
| 16) Methylene chloride        | 4.799  | 84   | 507026   | 92.650  | ug/L   | 76       |
| 17) trans-1,2-Dichloroethene  | 5.310  | 96   | 507568   | 110.954 | ug/L   | 88       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73   | 1174236  | 113.213 | ug/L # | 91       |
| 19) 1,1-Dichloroethane        | 6.110  | 63   | 812959   | 99.456  | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96   | 572937   | 112.528 | ug/L   | 90       |
| 22) 2-Butanone                | 7.081  | 43   | 373772   | 238.074 | ug/L   | 85       |
| 23) Bromochloromethane        | 7.422  | 128  | 258637   | 117.015 | ug/L   | 82       |
| 25) Chloroform                | 7.593  | 83   | 888493   | 108.523 | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 552486   | 109.581 | ug/L   | 98       |
| 29) Cyclohexane               | 7.875  | 56   | 717903   | 87.382  | ug/L # | 84       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 747975   | 100.246 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 639850   | 106.033 | ug/L   | 99       |
| 33) Benzene                   | 8.251  | 78   | 2042693  | 97.336  | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 522566   | 97.129  | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.275  | 83   | 916276   | 104.343 | ug/L   | 89       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 512489   | 90.077  | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.581  | 83   | 684348   | 103.053 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 889746   | 101.755 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 661232   | 187.808 | ug/L # | 88       |
| 42) Toluene                   | 10.334 | 91   | 2287302  | 101.313 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 764853   | 106.547 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 448016   | 109.449 | ug/L   | 97       |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD100162

Quant Time: Aug 04 01:42:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 04 01:33:35 2023  
 Response via : Initial Calibration

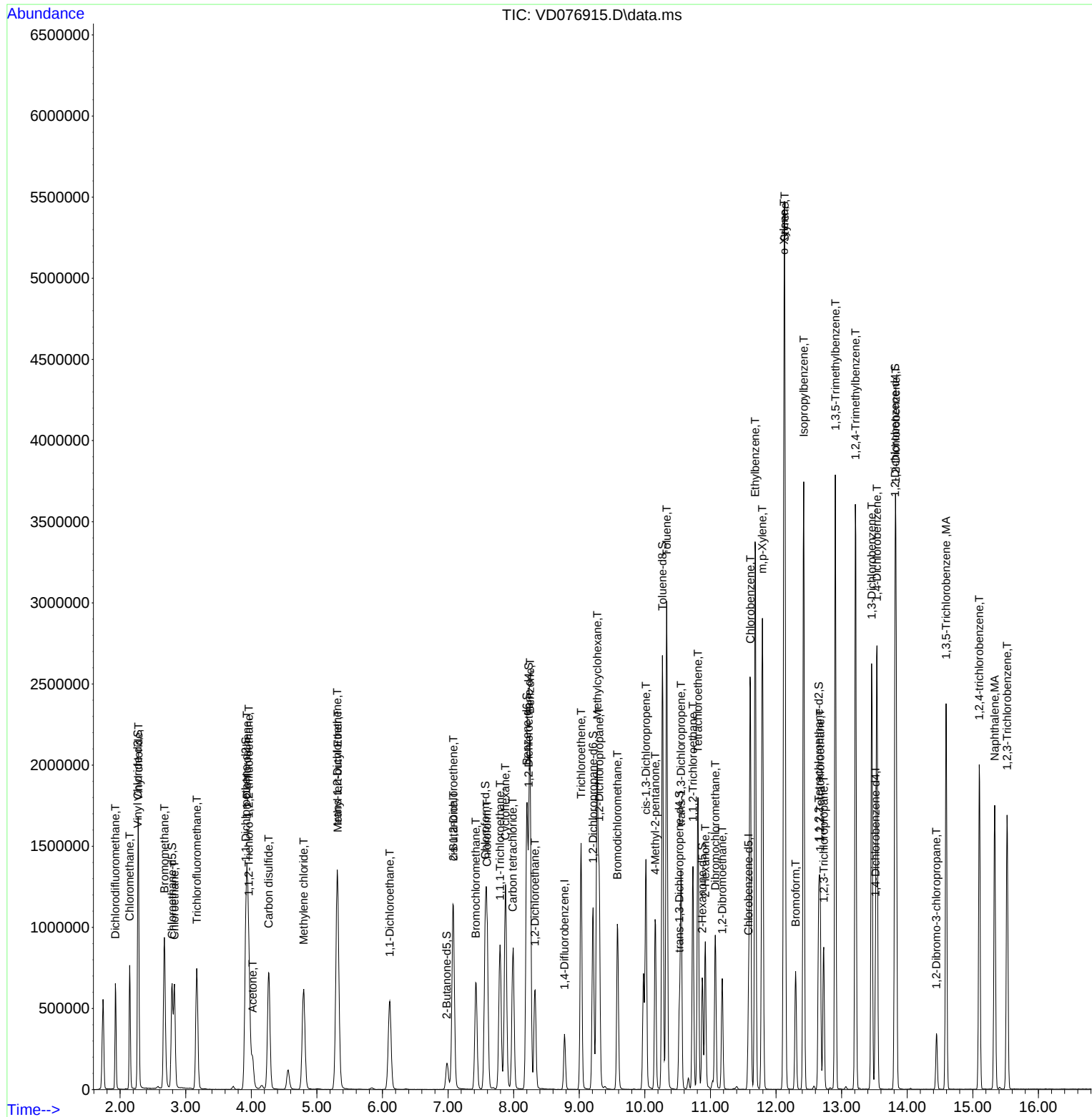
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 46) Tetrachloroethene         | 10.810 | 164  | 403961   | 94.867  | ug/L   | 97       |
| 48) 2-Hexanone                | 10.922 | 43   | 534006   | 215.194 | ug/L # | 87       |
| 49) Dibromochloromethane      | 11.075 | 129  | 502352   | 109.432 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 451753   | 113.795 | ug/L   | 89       |
| 51) Chlorobenzene             | 11.610 | 112  | 1458023  | 103.374 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.681 | 91   | 2529522  | 103.987 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.792 | 106  | 984629   | 103.217 | ug/L   | 91       |
| 54) o-Xylene                  | 12.122 | 106  | 979475   | 107.874 | ug/L   | 99       |
| 55) Styrene                   | 12.134 | 104  | 1759134  | 110.776 | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 561082   | 117.675 | ug/L   | 99       |
| 59) Bromoform                 | 12.298 | 173  | 323734   | 103.454 | ug/L # | 99       |
| 60) Isopropylbenzene          | 12.422 | 105  | 2533686  | 97.198  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 362394   | 104.810 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 1999133  | 96.839  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 1988878  | 96.950  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 1087776  | 94.124  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 1111663  | 94.552  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 1027637  | 98.615  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 80718    | 105.925 | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 708190   | 92.614  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 629707   | 92.680  | ug/L   | 98       |
| 71) Naphthalene               | 15.333 | 128  | 1547630  | 114.184 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 566992   | 94.945  | ug/L   | 98       |

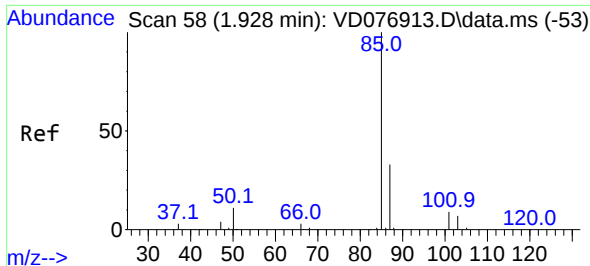
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 04 01:33:35 2023  
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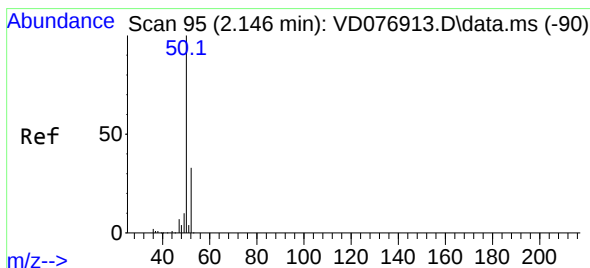
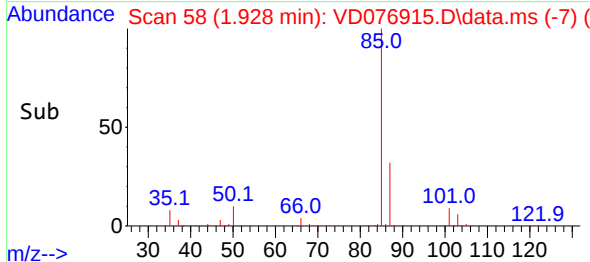
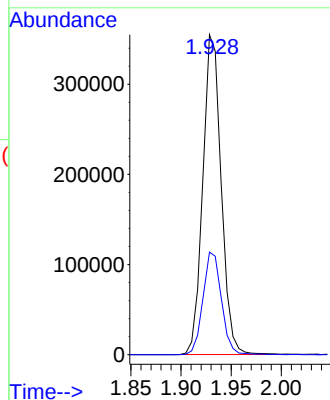
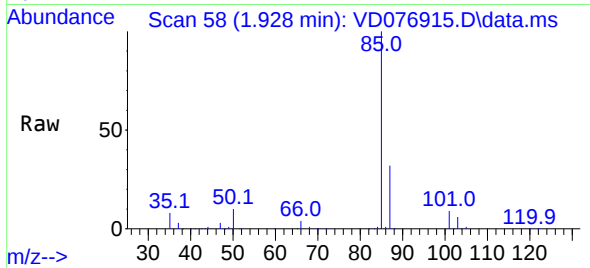




#2  
 Dichlorodifluoromethane  
 Concen: 95.674 ug/L  
 RT: 1.928 min Scan# 58  
 Delta R.T. -0.000 min  
 Lab File: VD076915.D  
 Acq: 03 Aug 2023 11:55

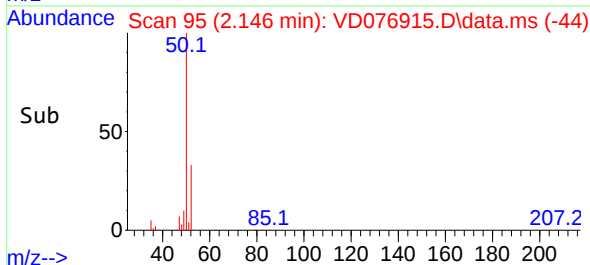
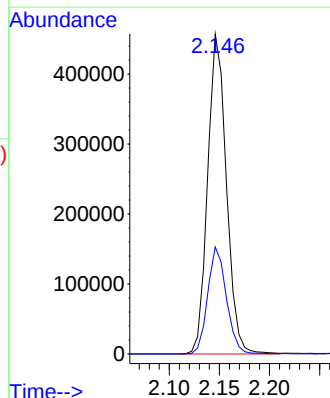
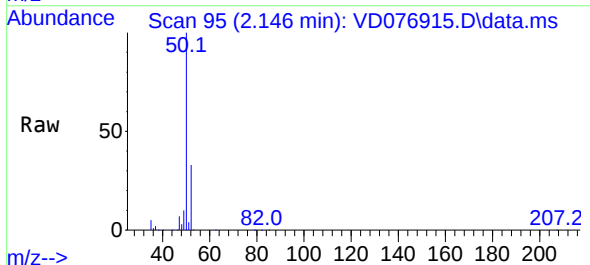
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD100162

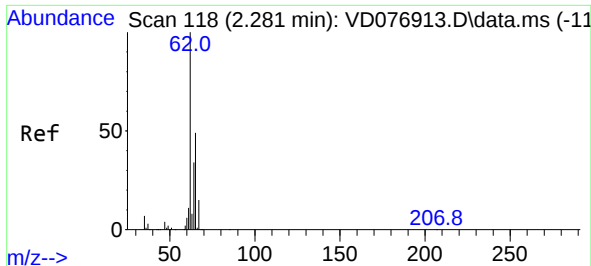
Tgt Ion: 85 Resp: 453699  
 Ion Ratio Lower Upper  
 85 100  
 87 32.2 26.3 39.5



#3  
 Chloromethane  
 Concen: 77.864 ug/L  
 RT: 2.146 min Scan# 95  
 Delta R.T. -0.000 min  
 Lab File: VD076915.D  
 Acq: 03 Aug 2023 11:55

Tgt Ion: 50 Resp: 596472  
 Ion Ratio Lower Upper  
 50 100  
 52 33.4 23.2 43.2

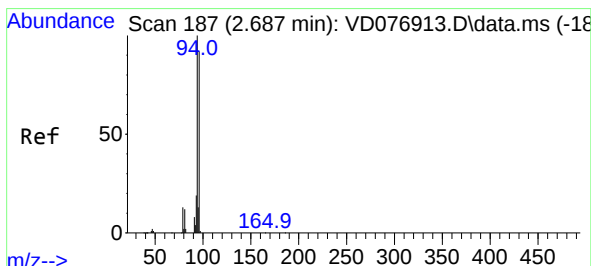
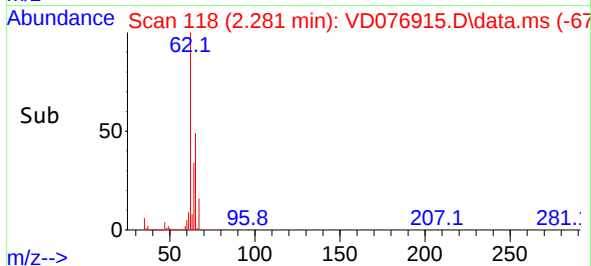
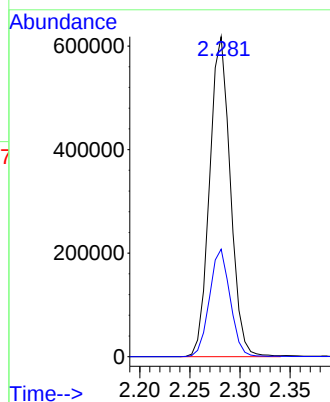
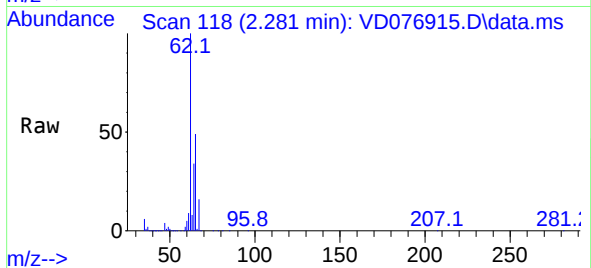




#5  
Vinyl chloride  
Concen: 103.043 ug/L  
RT: 2.281 min Scan# 118  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

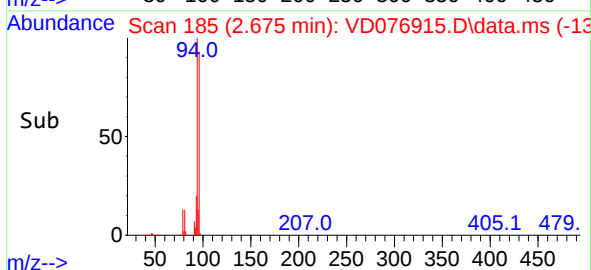
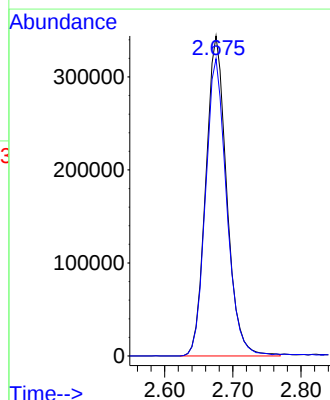
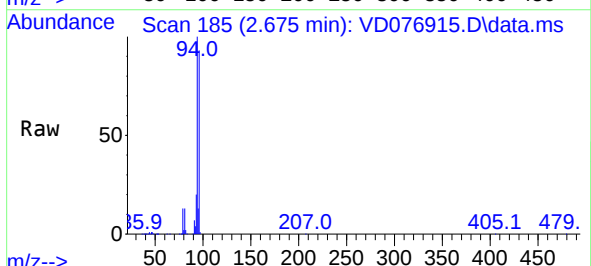
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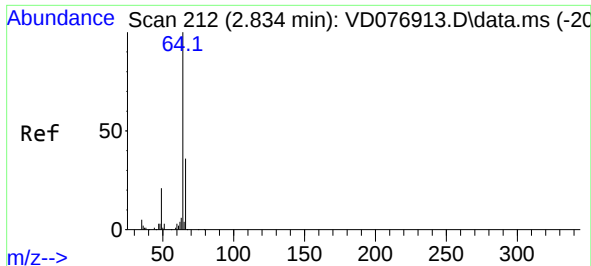
Tgt Ion: 62 Resp: 890508  
Ion Ratio Lower Upper  
62 100  
64 33.6 21.1 39.1



#6  
Bromomethane  
Concen: 143.060 ug/L  
RT: 2.675 min Scan# 185  
Delta R.T. -0.012 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 94 Resp: 733351  
Ion Ratio Lower Upper  
94 100  
96 92.9 64.7 120.1

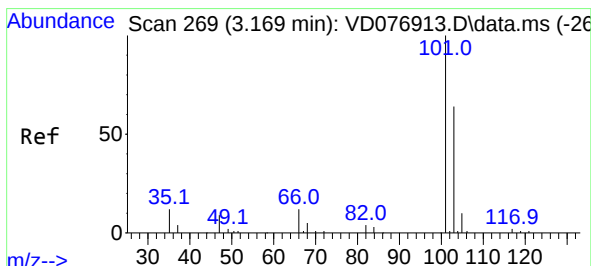
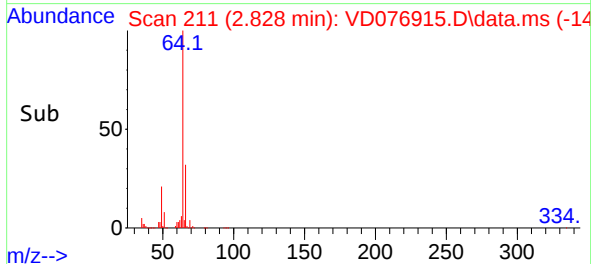
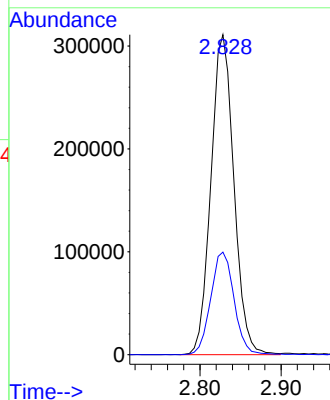
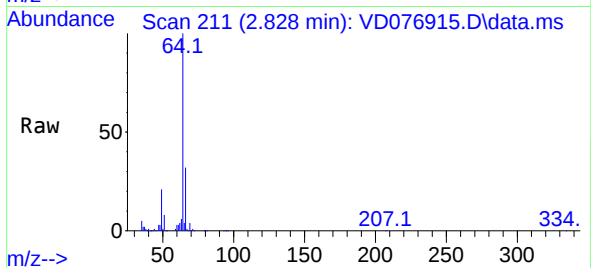




#8  
Chloroethane  
Concen: 112.807 ug/L  
RT: 2.828 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

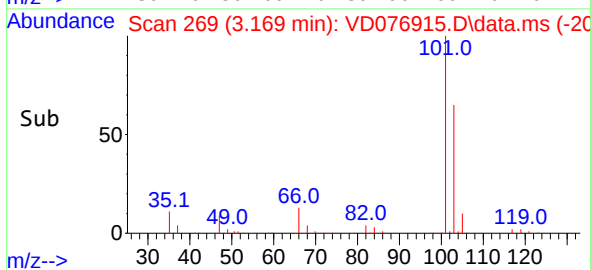
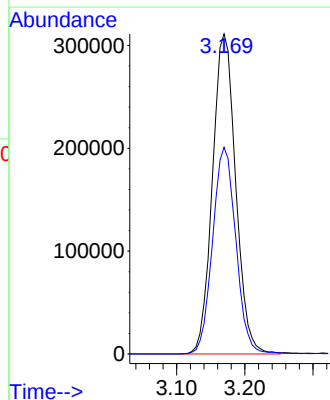
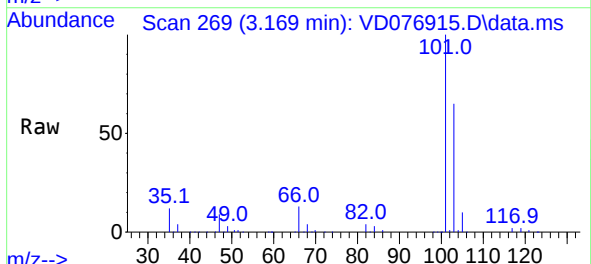
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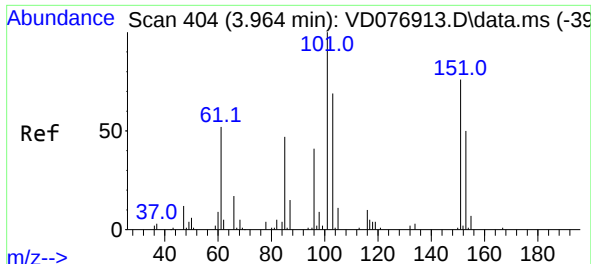
Tgt Ion: 64 Resp: 610779  
Ion Ratio Lower Upper  
64 100  
66 32.0 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 113.525 ug/L  
RT: 3.169 min Scan# 269  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 101 Resp: 738817  
Ion Ratio Lower Upper  
101 100  
103 64.6 51.8 77.6

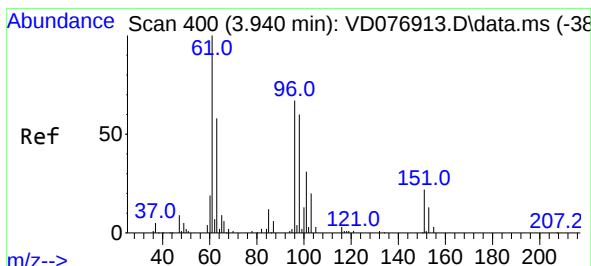
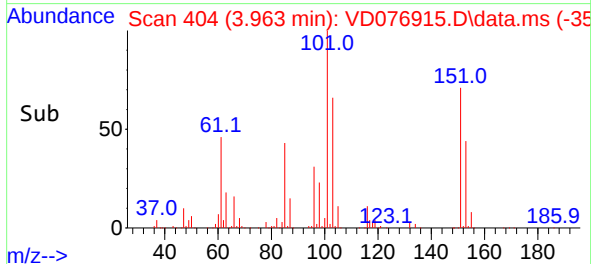
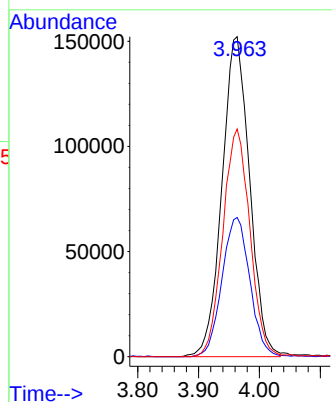
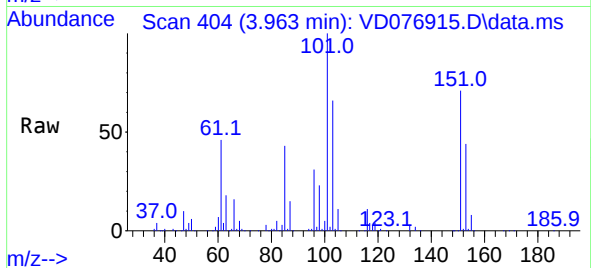




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 113.342 ug/L  
RT: 3.963 min Scan# 404  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

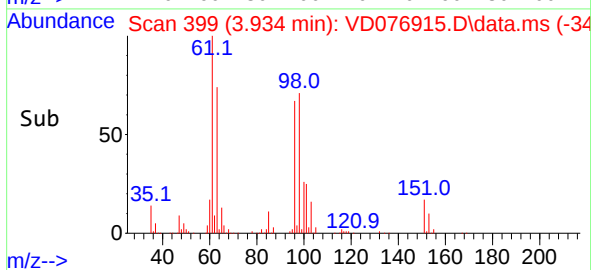
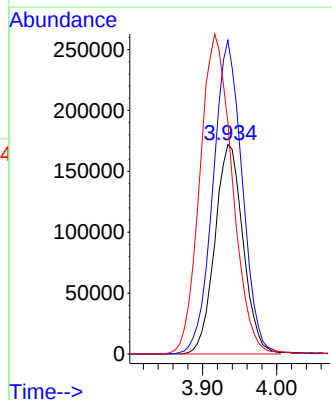
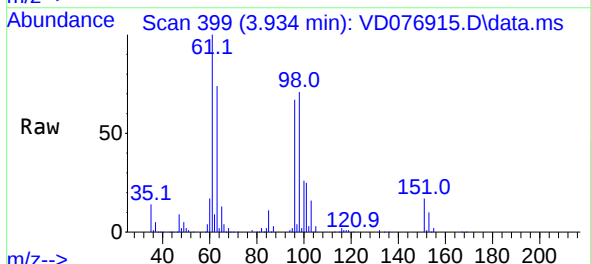
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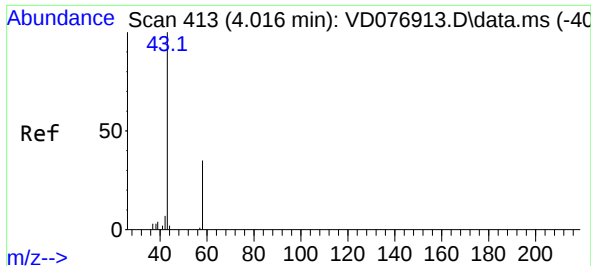
Tgt Ion:101 Resp: 479379  
Ion Ratio Lower Upper  
101 100  
85 43.8 35.5 53.3  
151 69.6 58.6 87.8



#12  
1,1-Dichloroethene  
Concen: 111.802 ug/L  
RT: 3.934 min Scan# 399  
Delta R.T. -0.006 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 96 Resp: 454395  
Ion Ratio Lower Upper  
96 100  
61 149.6 113.0 209.8  
63 110.6 83.6 155.2

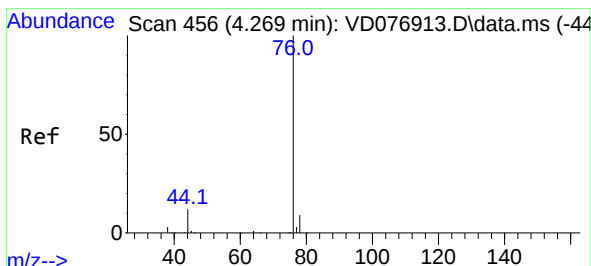
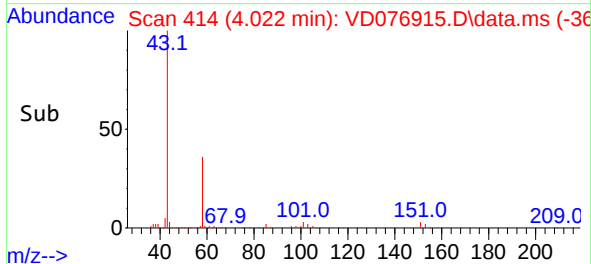
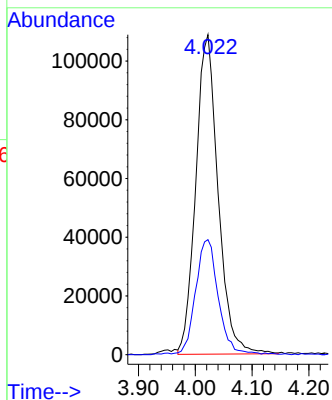
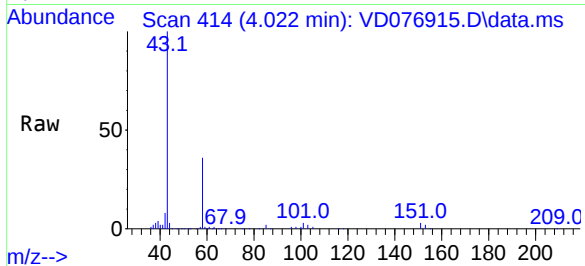




#13  
Acetone  
Concen: 287.454 ug/L  
RT: 4.022 min Scan# 413  
Delta R.T. 0.006 min  
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Acq: 03 Aug 2023 11:55

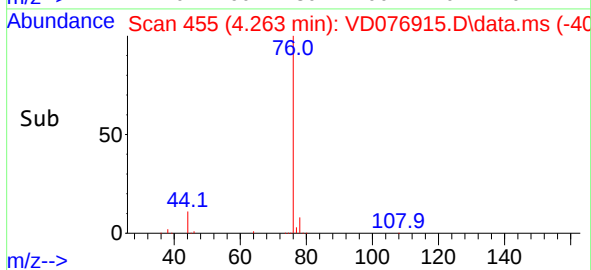
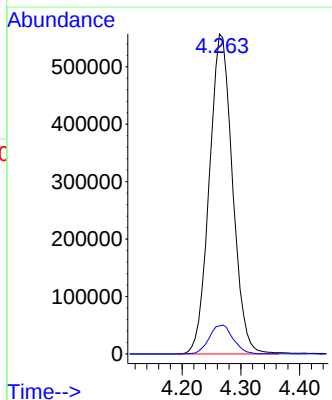
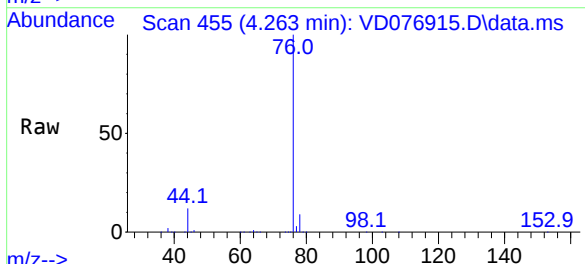
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

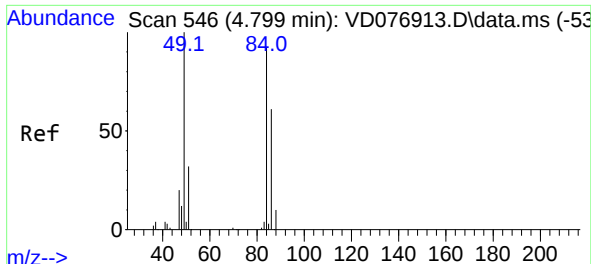
Tgt Ion: 43 Resp: 297109  
Ion Ratio Lower Upper  
43 100  
58 36.5 0.0 67.4



#14  
Carbon disulfide  
Concen: 103.949 ug/L  
RT: 4.263 min Scan# 455  
Delta R.T. -0.006 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

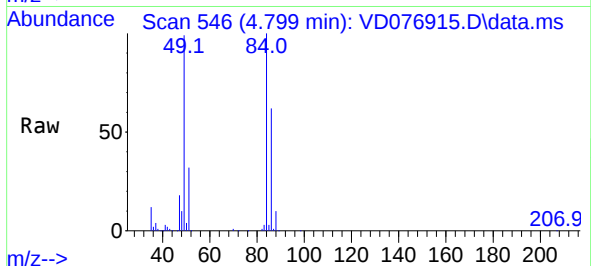
Tgt Ion: 76 Resp: 1526226  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.0 10.4



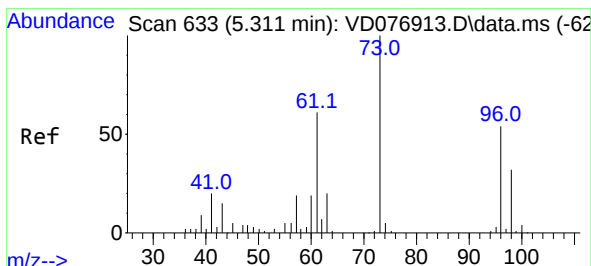
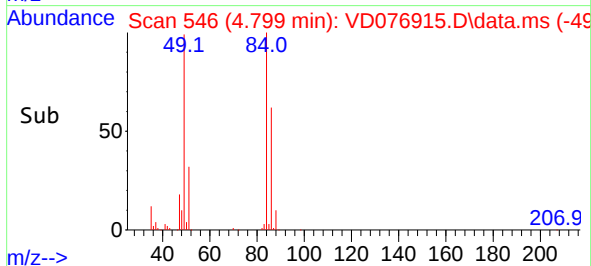
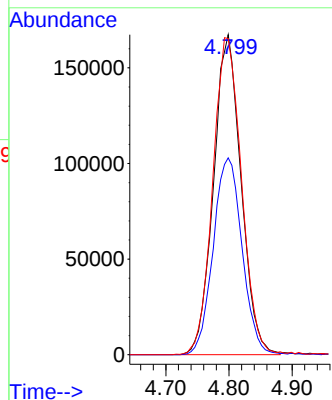


#16  
Methylene chloride  
Concen: 92.650 ug/L  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

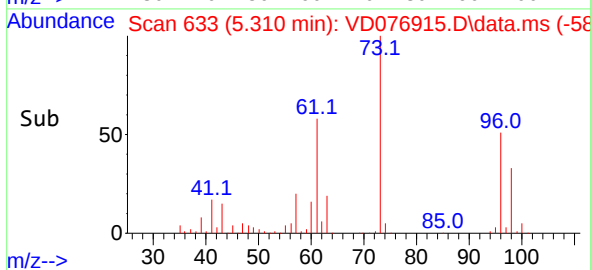
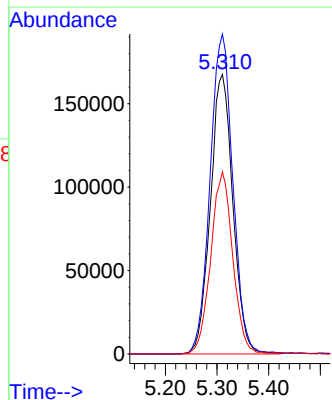
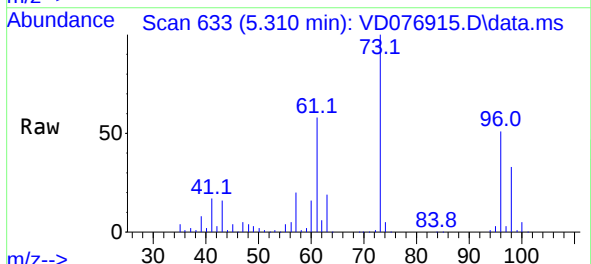


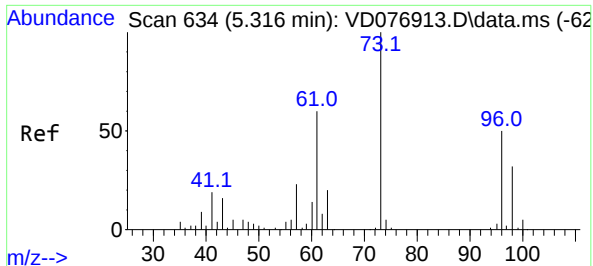
Tgt Ion: 84 Resp: 507026  
Ion Ratio Lower Upper  
84 100  
86 61.5 45.1 83.9  
49 98.8 97.2 180.6



#17  
trans-1,2-Dichloroethene  
Concen: 110.954 ug/L  
RT: 5.310 min Scan# 633  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 96 Resp: 507568  
Ion Ratio Lower Upper  
96 100  
61 114.4 94.5 175.5  
98 65.1 46.0 85.4

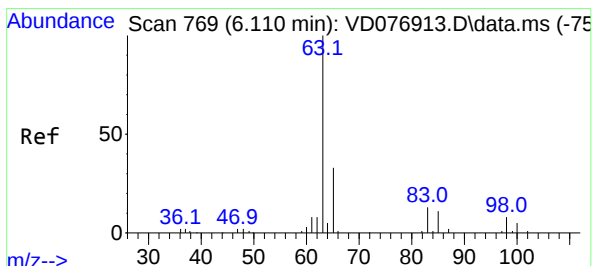
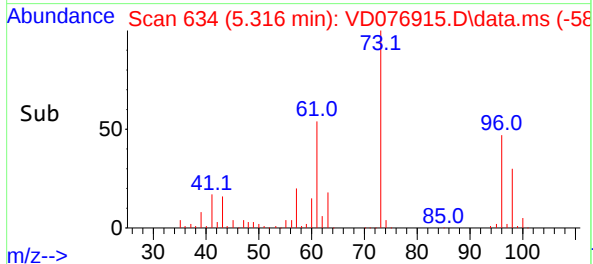
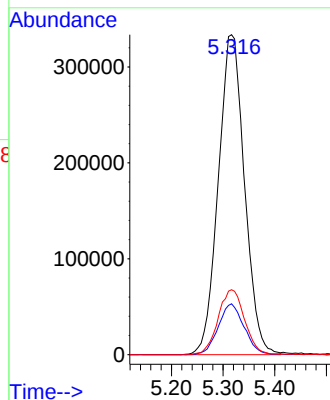
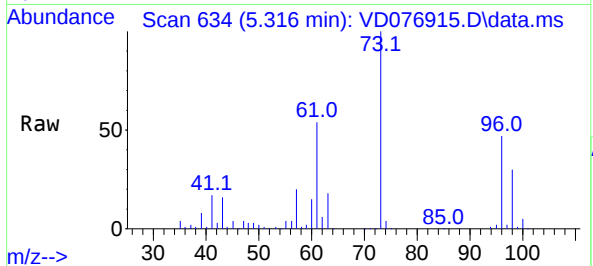




#18  
Methyl tert-butyl Ether  
Concen: 113.213 ug/L  
RT: 5.316 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

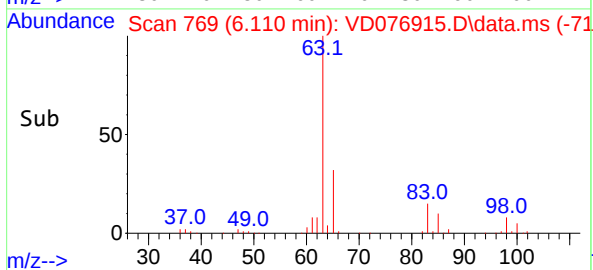
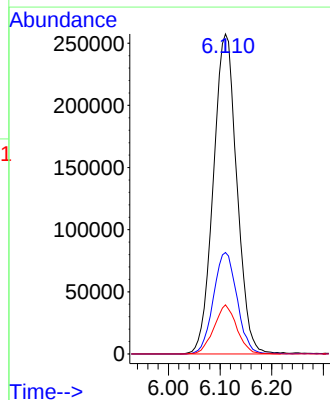
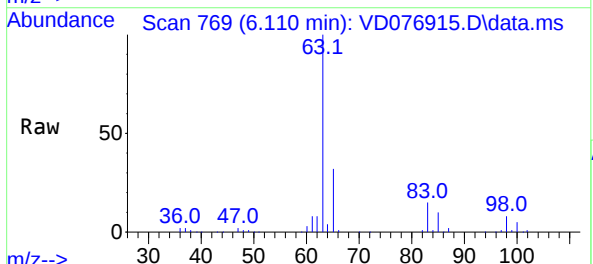
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

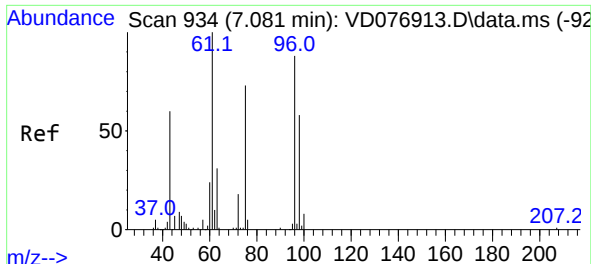
Tgt Ion: 73 Resp: 1174236  
Ion Ratio Lower Upper  
73 100  
43 15.6 7.2 10.8#  
57 20.5 18.6 28.0



#19  
1,1-Dichloroethane  
Concen: 99.456 ug/L  
RT: 6.110 min Scan# 769  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 63 Resp: 812959  
Ion Ratio Lower Upper  
63 100  
65 31.7 20.8 38.6  
83 15.3 8.9 16.5



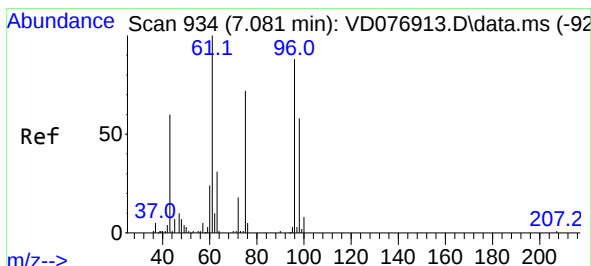
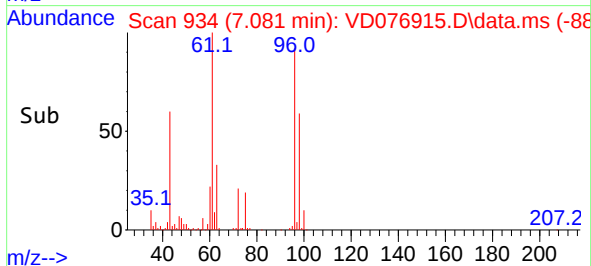
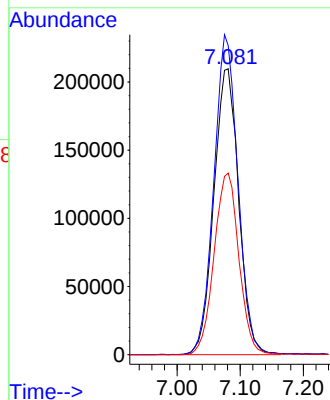
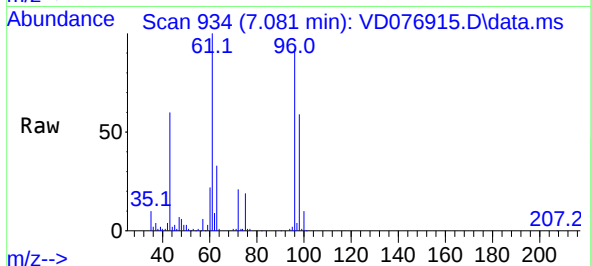


#20  
cis-1,2-Dichloroethene  
Concen: 112.528 ug/L  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

Tgt Ion: 96 Resp: 572937  

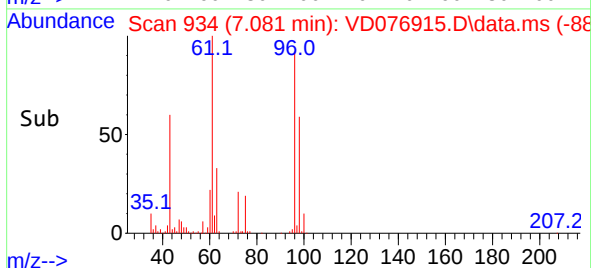
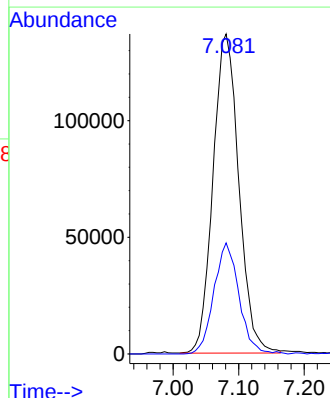
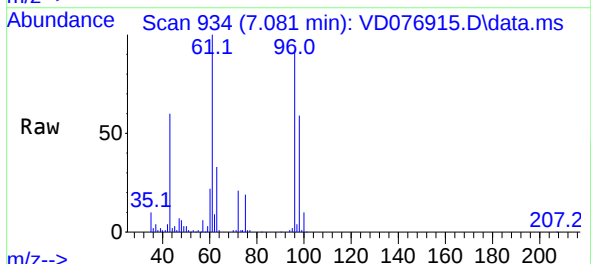
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 108.2 | 86.0  | 159.6 |
| 98  | 63.5  | 42.2  | 78.4  |

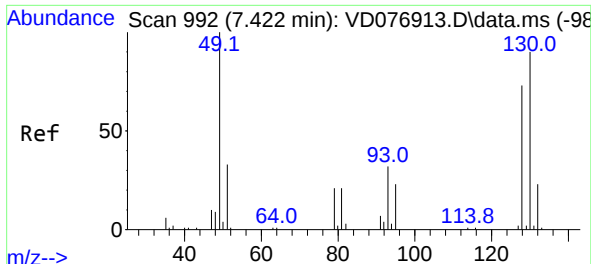


#22  
2-Butanone  
Concen: 238.074 ug/L  
RT: 7.081 min Scan# 934  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 43 Resp: 373772  

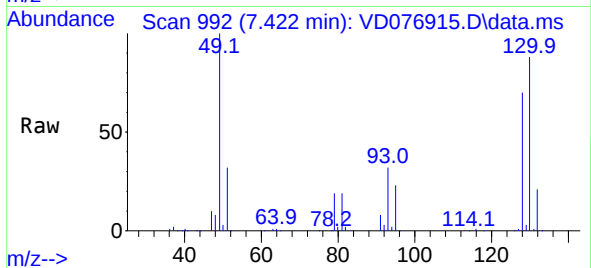
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 33.7  | 12.9  | 38.7  |





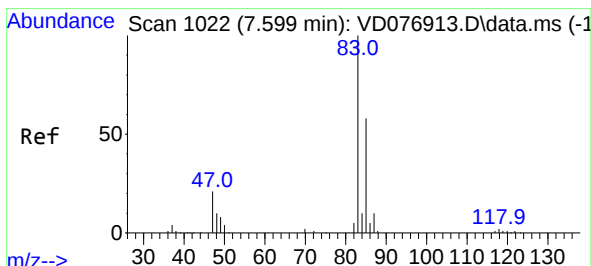
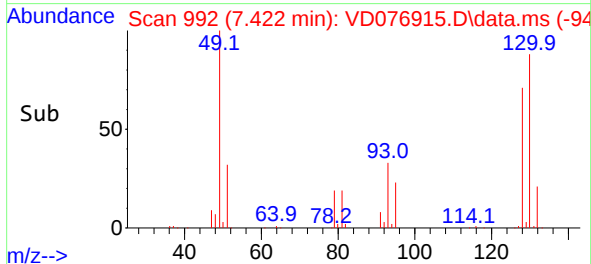
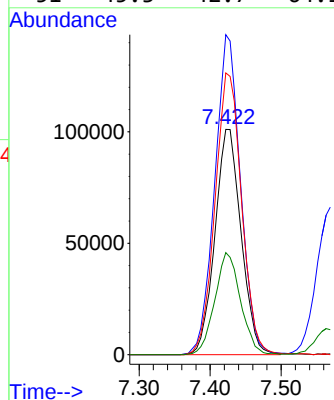
#23  
Bromochloromethane  
Concen: 117.015 ug/L  
RT: 7.422 min Scan# 992  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162



Tgt Ion:128 Resp: 258637

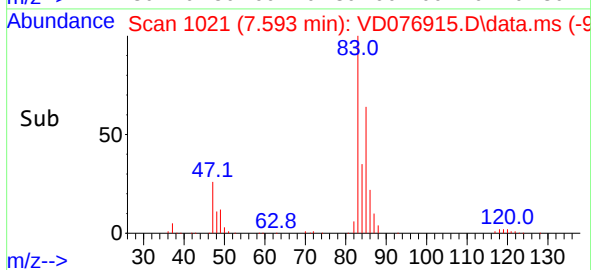
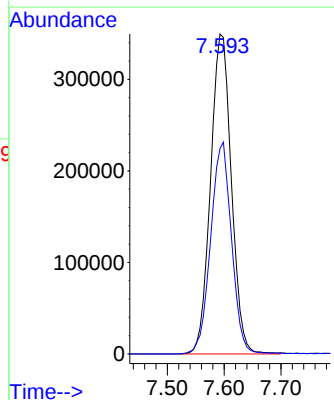
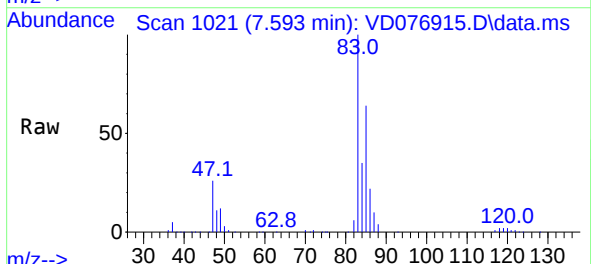
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 142.0 | 124.7 | 231.7 |
| 130 | 125.0 | 80.0  | 148.6 |
| 51  | 45.3  | 42.7  | 64.1  |

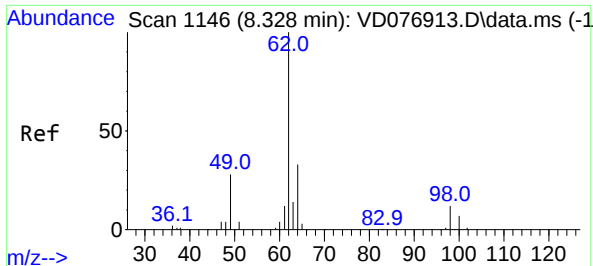


#25  
Chloroform  
Concen: 108.523 ug/L  
RT: 7.593 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 83 Resp: 888493

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.2  | 45.4  | 84.4  |

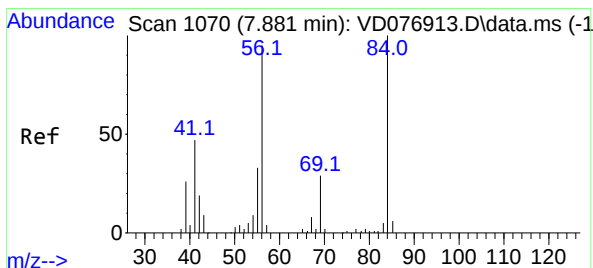
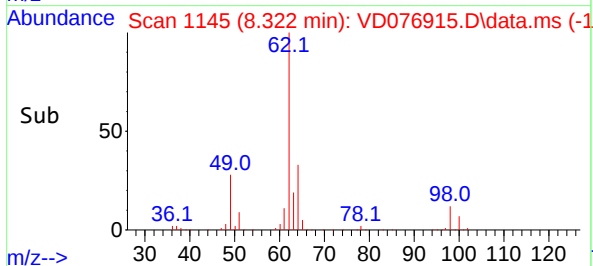
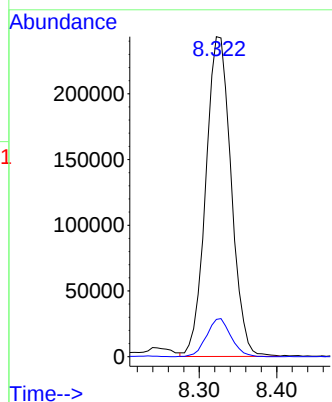
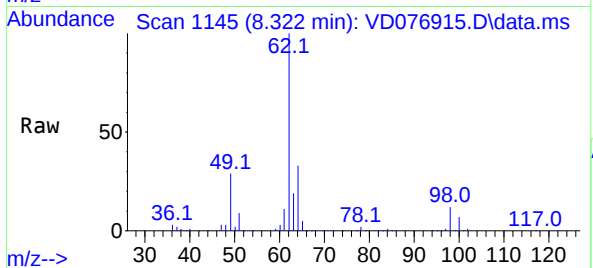




#27  
1,2-Dichloroethane  
Concen: 109.581 ug/L  
RT: 8.322 min Scan# 1146  
Delta R.T. -0.006 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

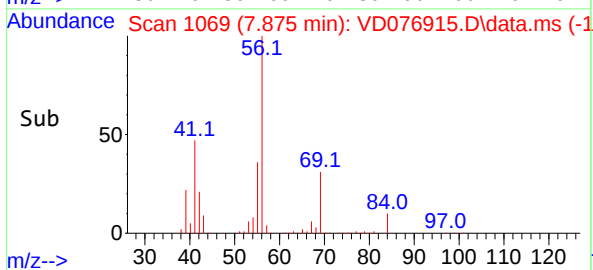
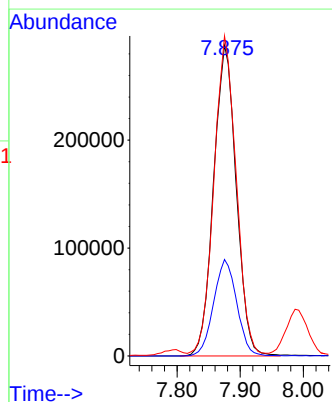
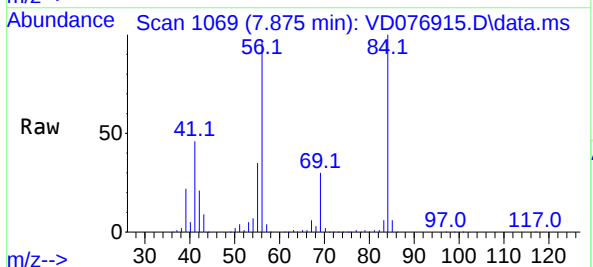
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

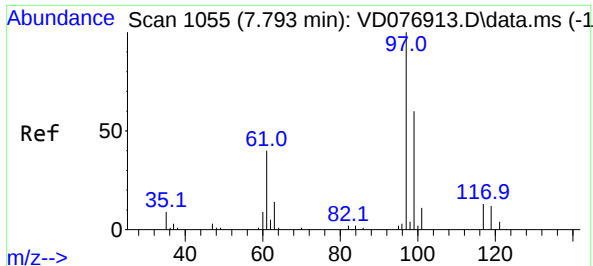
Tgt Ion: 62 Resp: 552486  
Ion Ratio Lower Upper  
62 100  
98 11.6 8.7 13.1



#29  
Cyclohexane  
Concen: 87.382 ug/L  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 56 Resp: 717903  
Ion Ratio Lower Upper  
56 100  
69 31.6 23.4 35.0  
84 101.4 66.3 99.5#



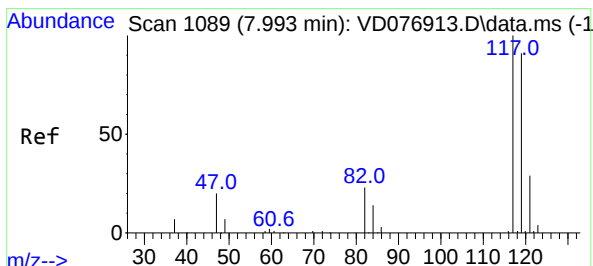
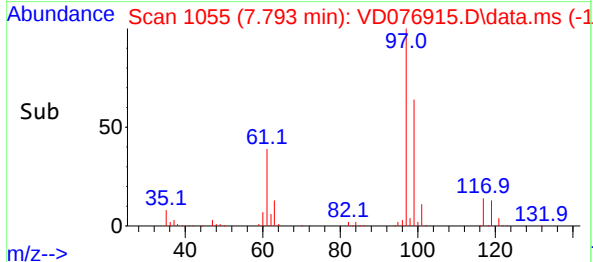
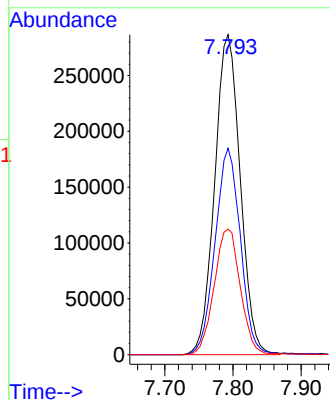
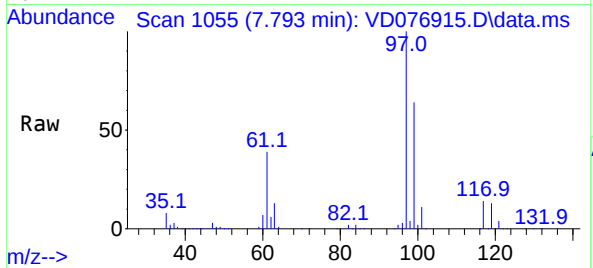


#30  
1,1,1-Trichloroethane  
Concen: 100.246 ug/L  
RT: 7.793 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

Tgt Ion: 97 Resp: 747975

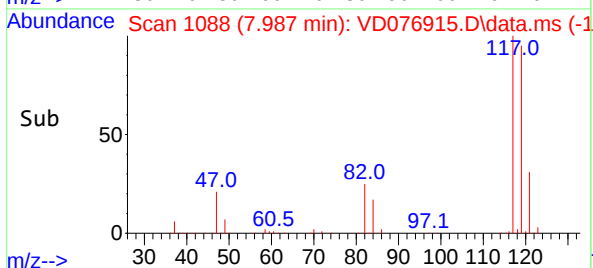
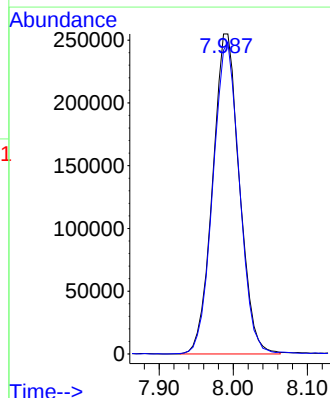
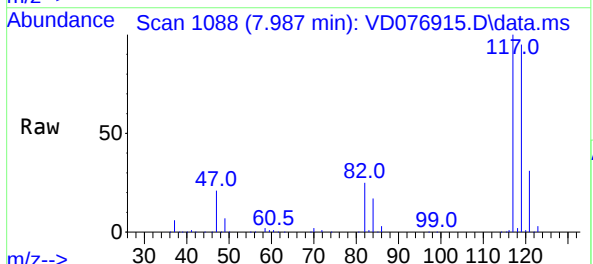
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.8  | 51.0  | 76.6  |
| 61  | 40.2  | 36.4  | 54.6  |

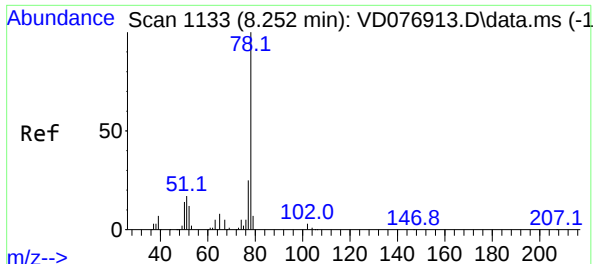


#31  
Carbon tetrachloride  
Concen: 106.033 ug/L  
RT: 7.987 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 117 Resp: 639850

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 96.1  | 77.8  | 116.6 |

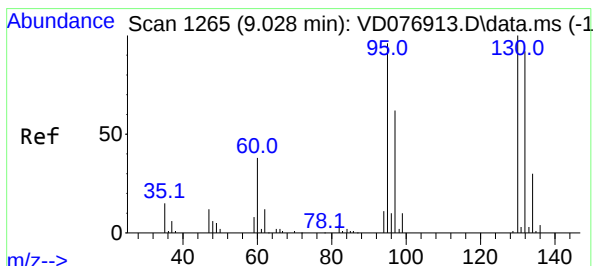
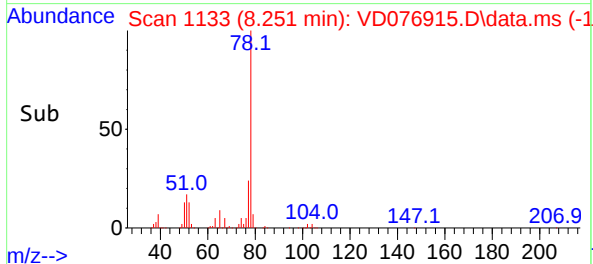
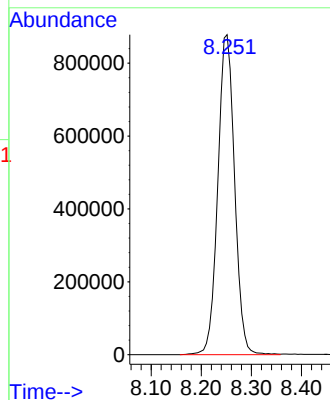
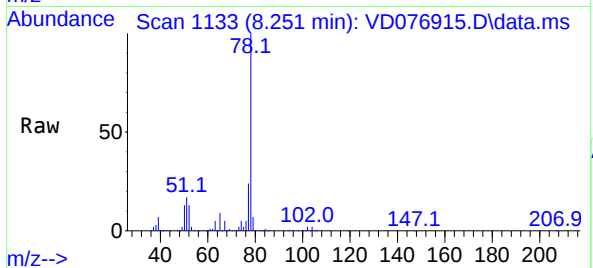




#33  
Benzene  
Concen: 97.336 ug/L  
RT: 8.251 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

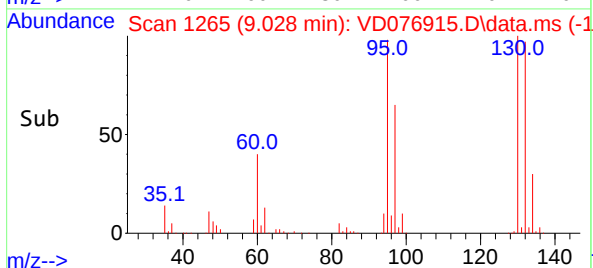
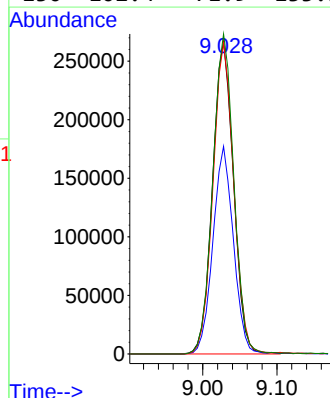
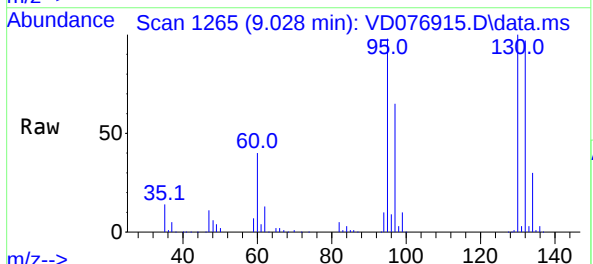
Tgt Ion: 78 Resp: 2042693

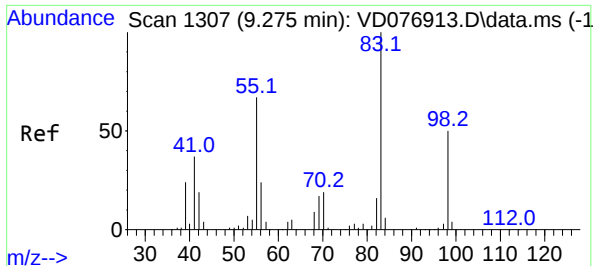


#34  
Trichloroethene  
Concen: 97.129 ug/L  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 95 Resp: 522566

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.4  | 43.1  | 80.1  |
| 132 | 99.6  | 71.8  | 133.4 |
| 130 | 102.4 | 71.9  | 133.5 |

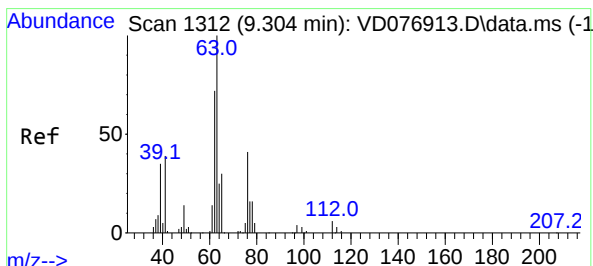
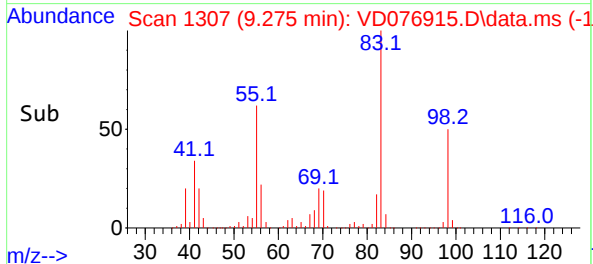
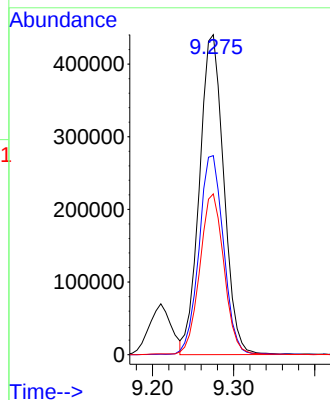
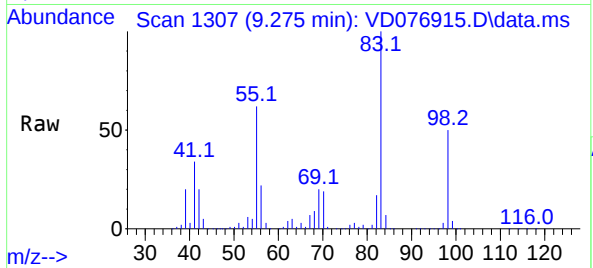




#35  
Methylcyclohexane  
Concen: 104.343 ug/L  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

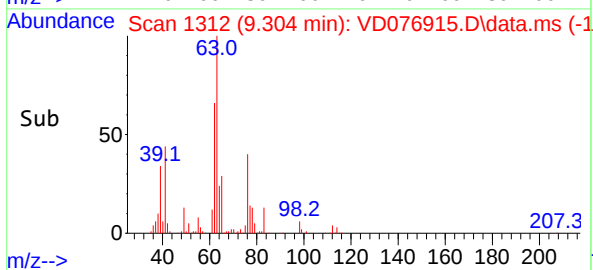
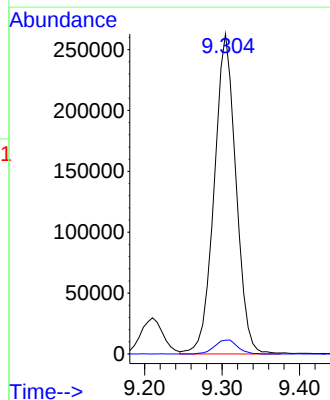
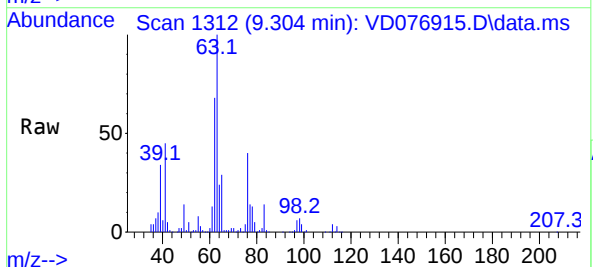
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

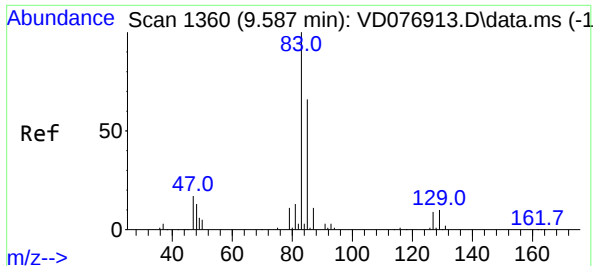
Tgt Ion: 83 Resp: 916276  
Ion Ratio Lower Upper  
83 100  
55 62.4 59.8 89.6  
98 50.2 37.8 56.6



#37  
1,2-Dichloropropane  
Concen: 90.077 ug/L  
RT: 9.304 min Scan# 1312  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 63 Resp: 512489  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.1 4.7

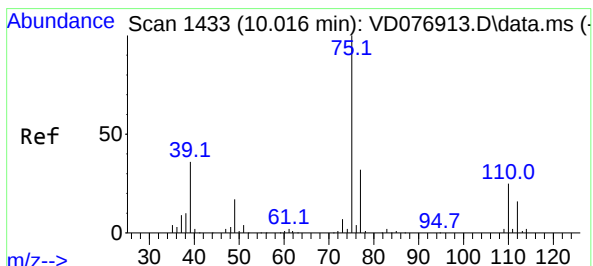
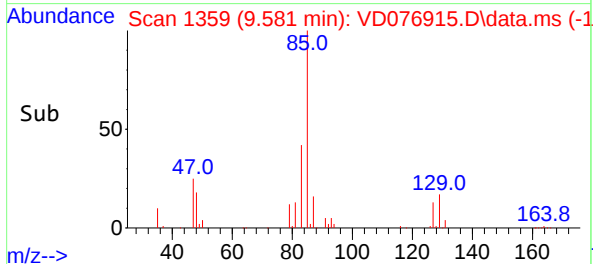
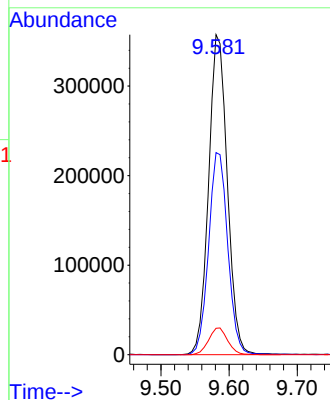
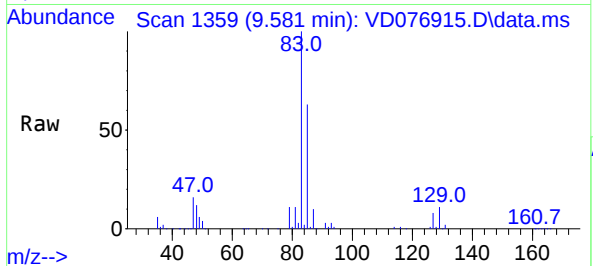




#38  
Bromodichloromethane  
Concen: 103.053 ug/L  
RT: 9.581 min Scan# 1359  
Delta R.T. -0.006 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

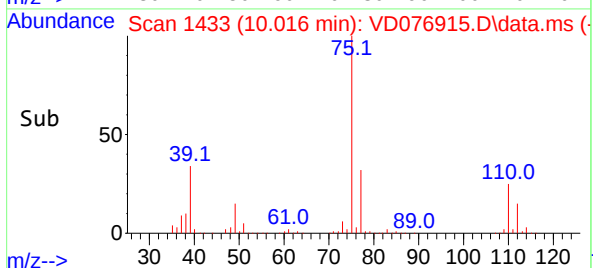
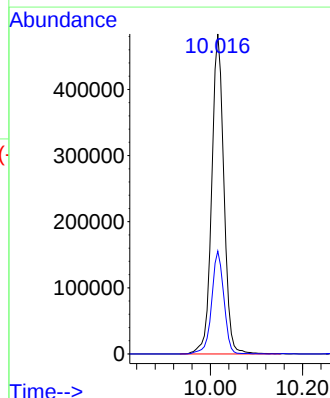
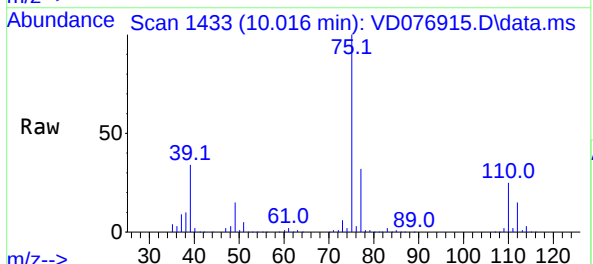
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

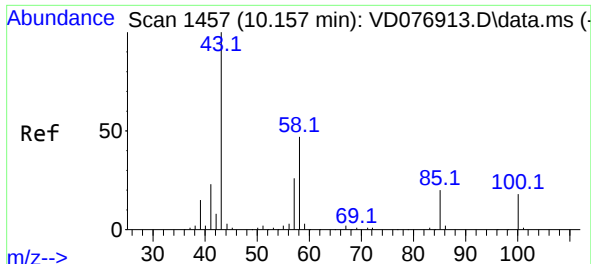
Tgt Ion: 83 Resp: 684348  
Ion Ratio Lower Upper  
83 100  
85 63.1 43.9 81.5  
127 8.3 6.6 9.8



#39  
cis-1,3-Dichloropropene  
Concen: 101.755 ug/L  
RT: 10.016 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 75 Resp: 889746  
Ion Ratio Lower Upper  
75 100  
77 32.2 22.7 42.3

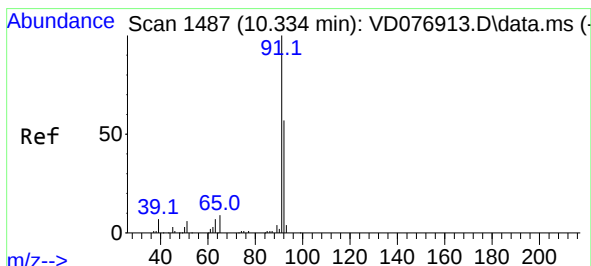
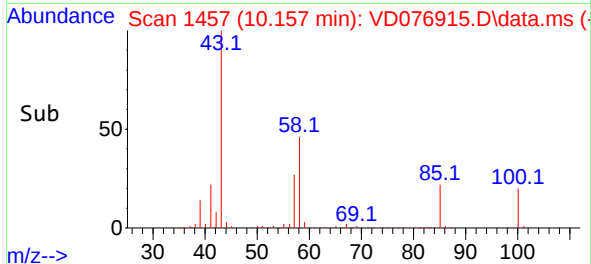
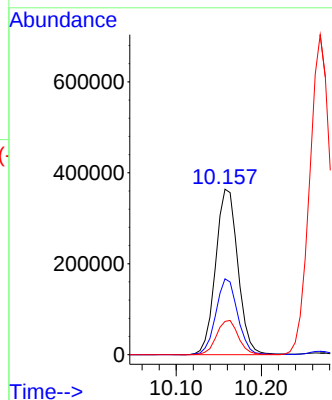
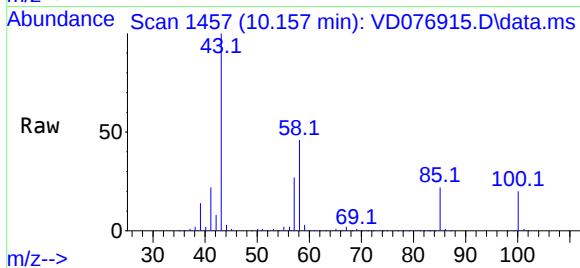




#40  
4-Methyl-2-pentanone  
Concen: 187.808 ug/L  
RT: 10.157 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

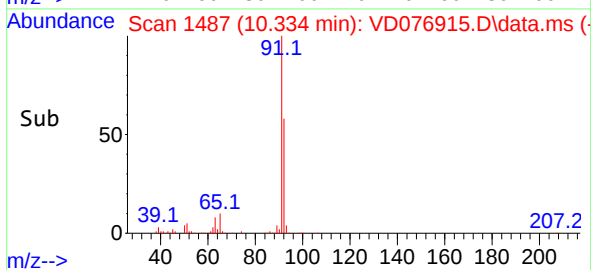
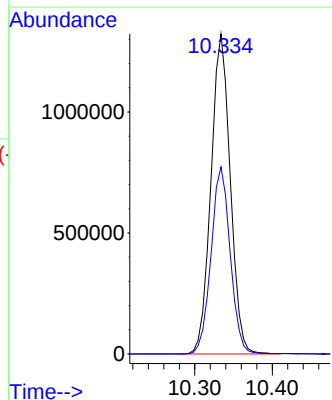
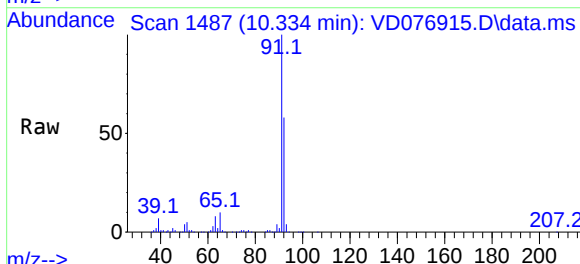
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

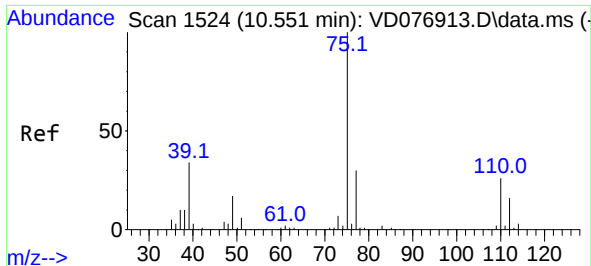
Tgt Ion: 43 Resp: 661232  
Ion Ratio Lower Upper  
43 100  
58 44.7 30.7 46.1  
100 20.3 11.0 16.4#



#42  
Toluene  
Concen: 101.313 ug/L  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 91 Resp: 2287302  
Ion Ratio Lower Upper  
91 100  
92 58.4 39.3 73.1

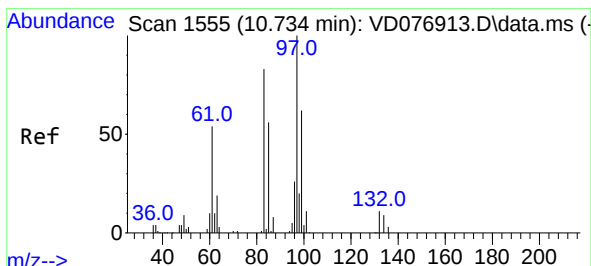
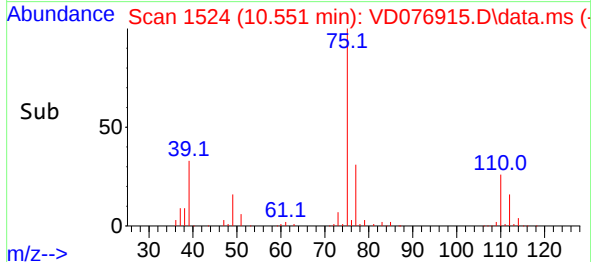
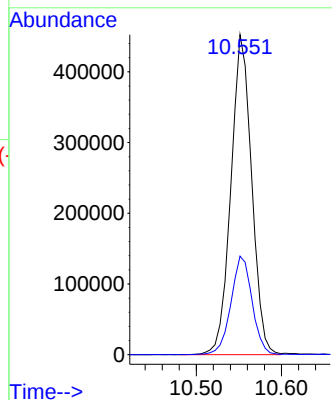
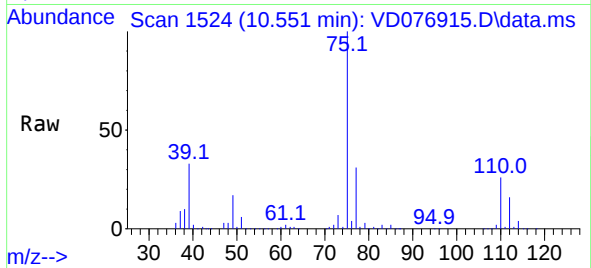




#44  
trans-1,3-Dichloropropene  
Concen: 106.547 ug/L  
RT: 10.551 min Scan# 1524  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

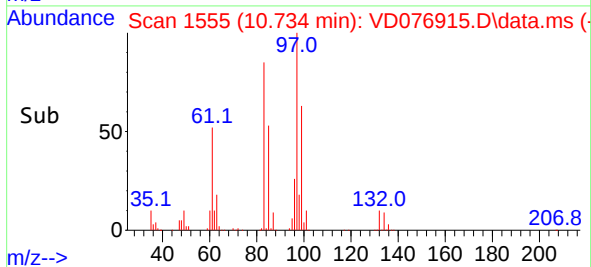
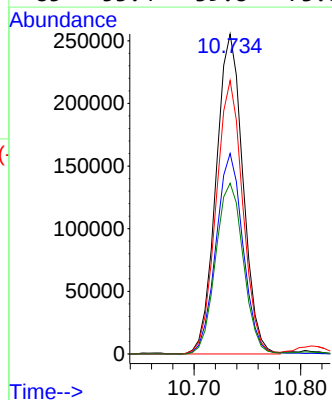
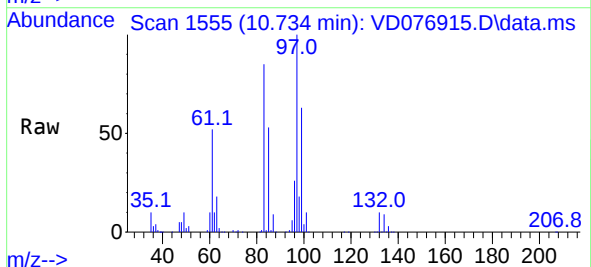
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

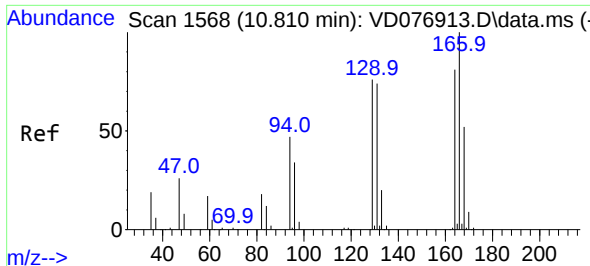
Tgt Ion: 75 Resp: 764853  
Ion Ratio Lower Upper  
75 100  
77 30.8 22.5 41.7



#45  
1,1,2-Trichloroethane  
Concen: 109.449 ug/L  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 97 Resp: 448016  
Ion Ratio Lower Upper  
97 100  
99 62.6 41.9 77.9  
83 85.5 59.2 110.0  
85 53.4 39.8 73.8

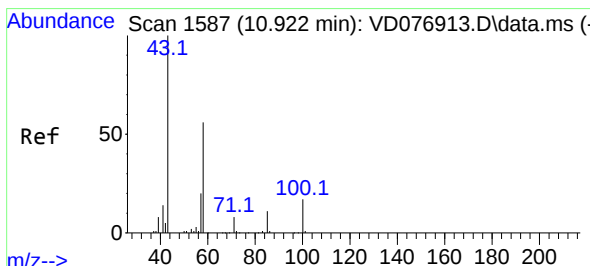
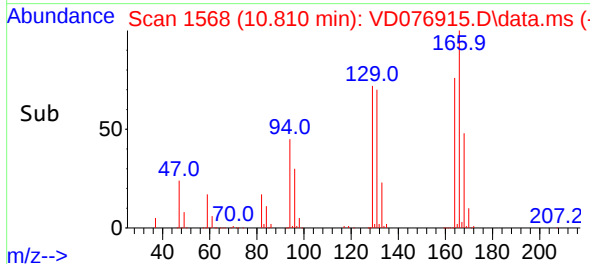
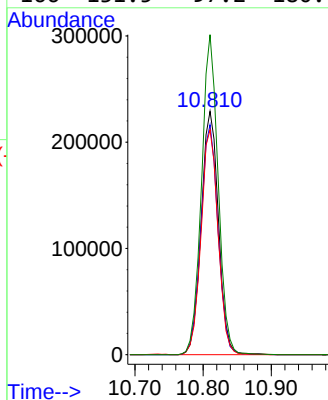
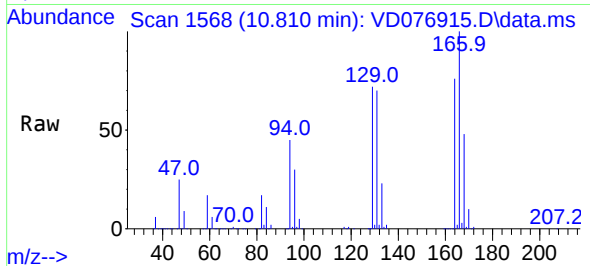




#46  
Tetrachloroethene  
Concen: 94.867 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

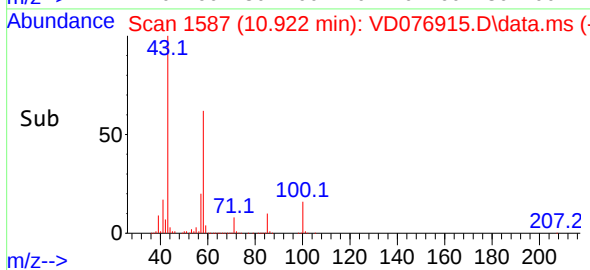
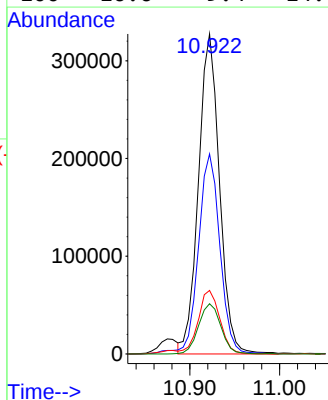
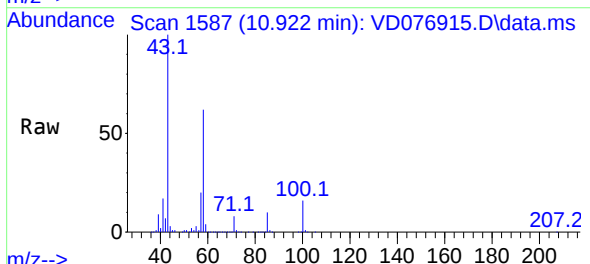
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

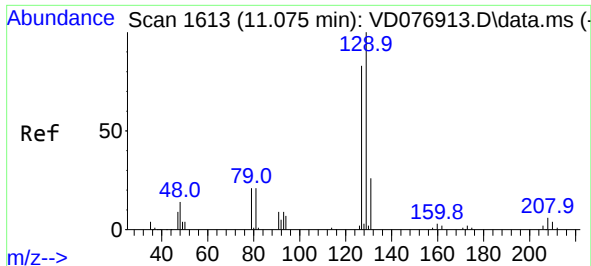
Tgt Ion:164 Resp: 403961  
Ion Ratio Lower Upper  
164 100  
129 94.5 65.5 121.6  
131 92.5 64.8 120.3  
166 131.5 97.2 180.4



#48  
2-Hexanone  
Concen: 215.194 ug/L  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 43 Resp: 534006  
Ion Ratio Lower Upper  
43 100  
58 64.1 42.9 64.3  
57 20.5 13.7 20.5  
100 16.6 9.4 14.0#

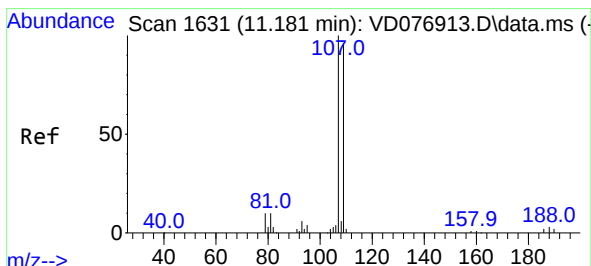
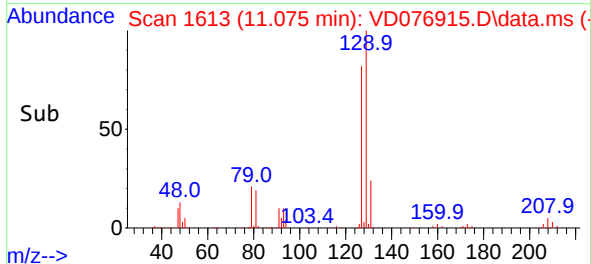
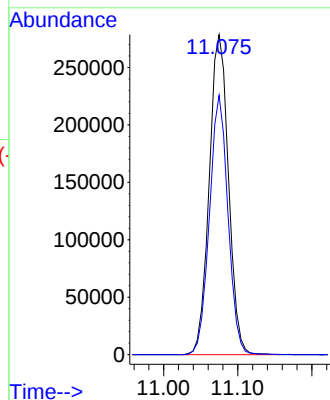
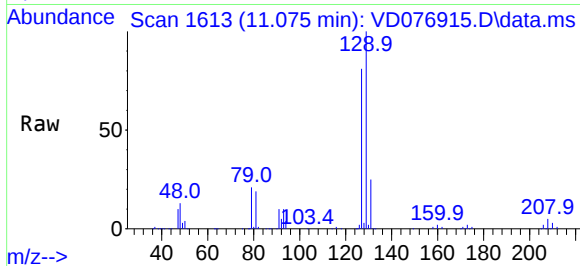




#49  
Dibromochloromethane  
Concen: 109.432 ug/L  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

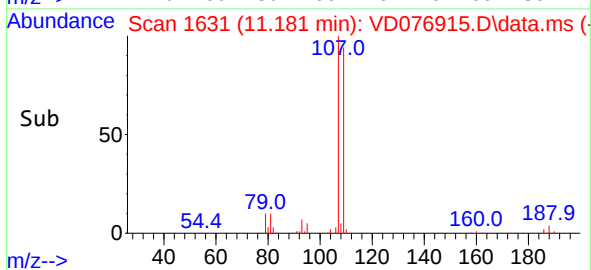
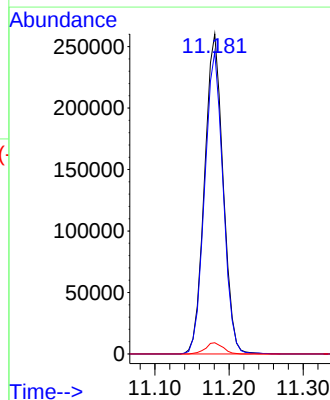
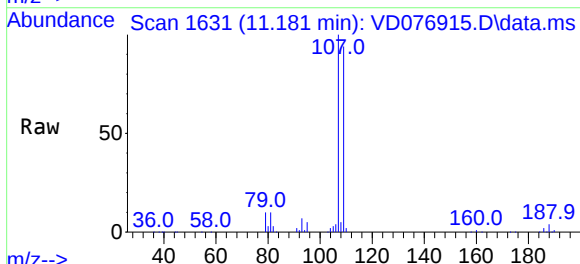
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

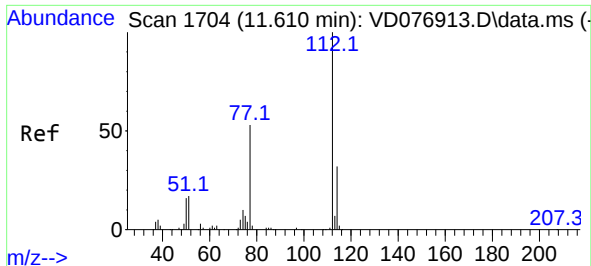
Tgt Ion:129 Resp: 502352  
Ion Ratio Lower Upper  
129 100  
127 81.0 55.2 102.6



#50  
1,2-Dibromoethane  
Concen: 113.795 ug/L  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

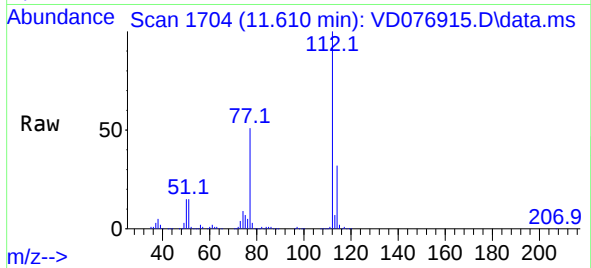
Tgt Ion:107 Resp: 451753  
Ion Ratio Lower Upper  
107 100  
109 94.4 58.8 109.2  
188 3.5 2.9 4.3





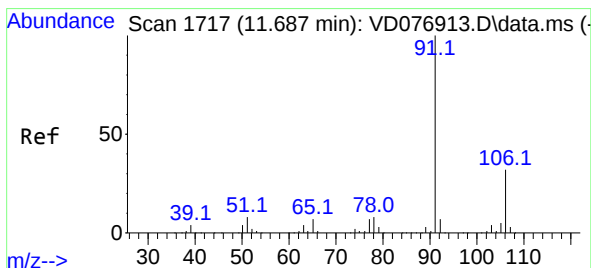
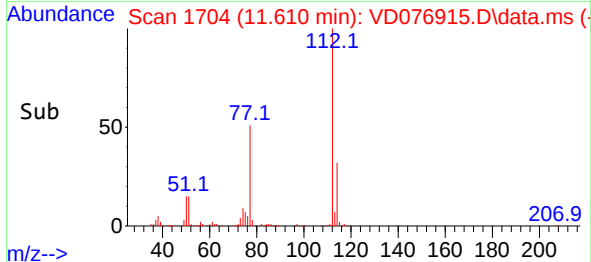
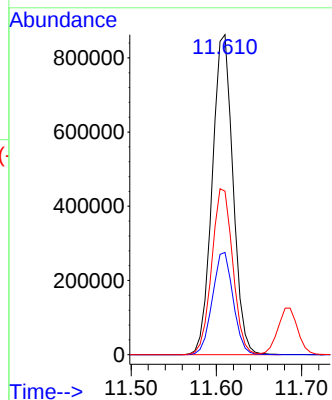
#51  
Chlorobenzene  
Concen: 103.374 ug/L  
RT: 11.610 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162



Tgt Ion:112 Resp: 1458023

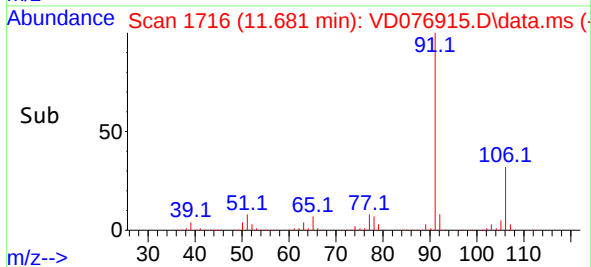
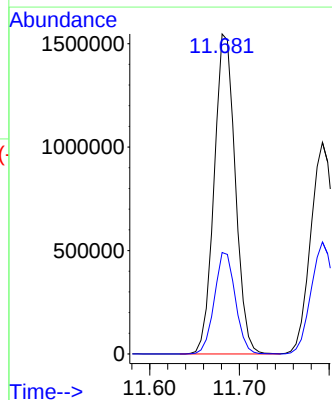
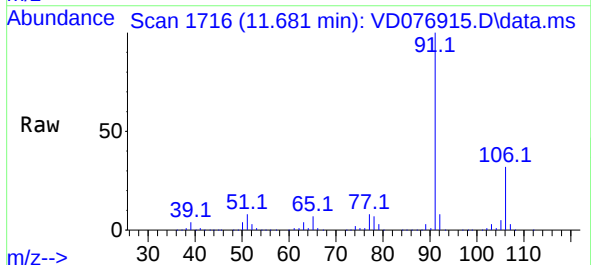
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 31.9  | 21.5  | 39.9  |
| 77  | 51.1  | 43.4  | 65.2  |

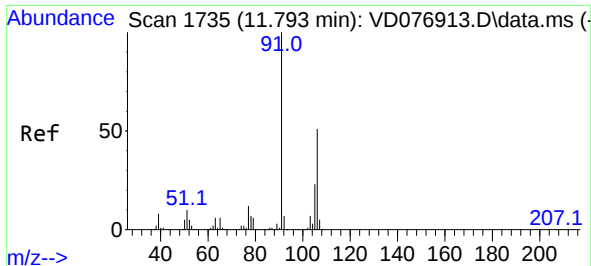


#52  
Ethylbenzene  
Concen: 103.987 ug/L  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.006 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 91 Resp: 2529522

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 31.7  | 22.4  | 41.6  |

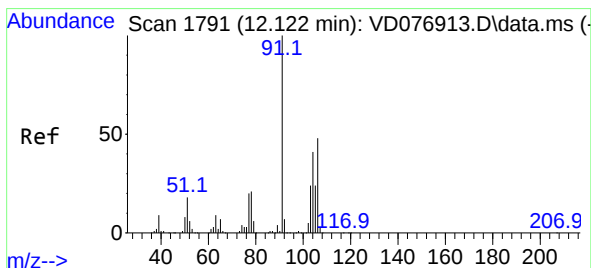
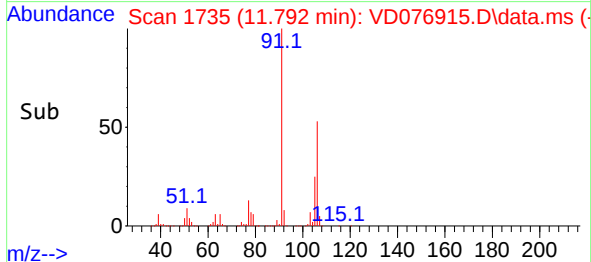
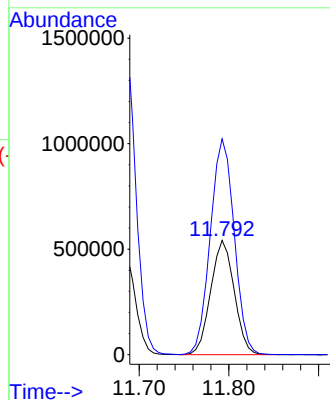
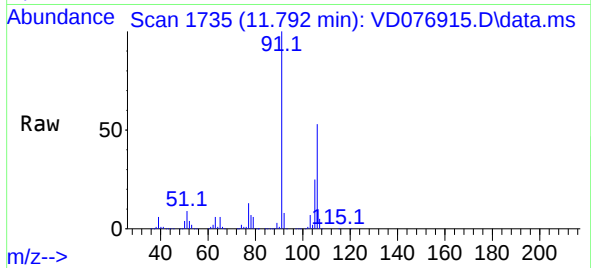




#53  
m,p-Xylene  
Concen: 103.217 ug/L  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

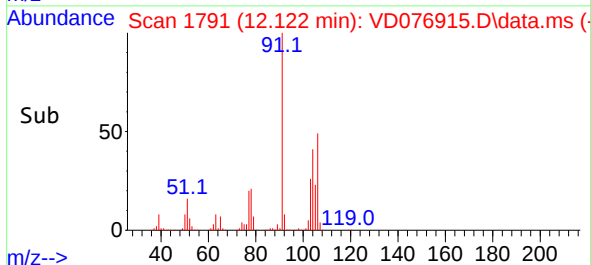
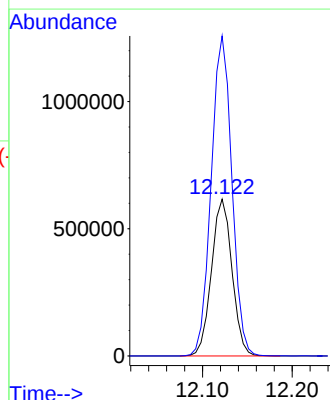
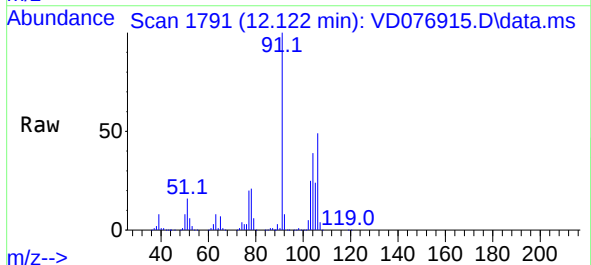
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

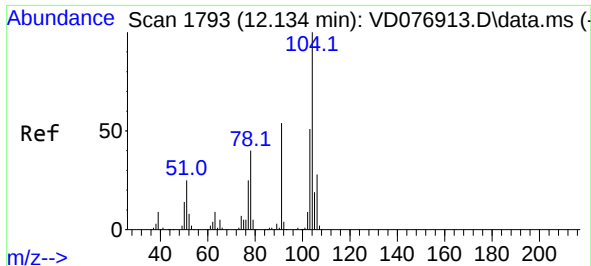
Tgt Ion:106 Resp: 984629  
Ion Ratio Lower Upper  
106 100  
91 189.0 141.5 262.9



#54  
o-Xylene  
Concen: 107.874 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion:106 Resp: 979475  
Ion Ratio Lower Upper  
106 100  
91 204.0 142.2 264.2

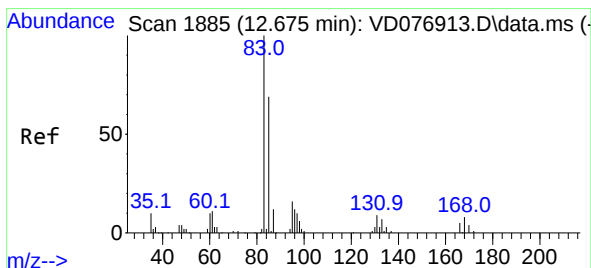
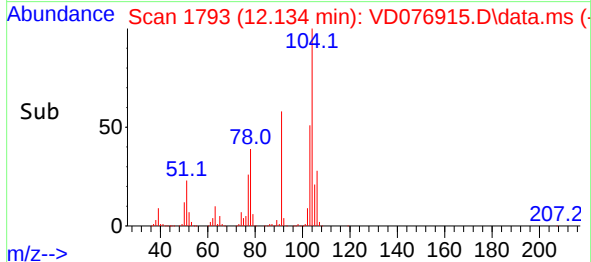
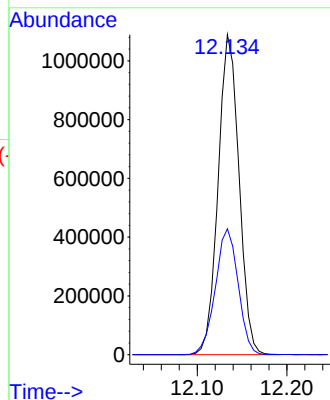
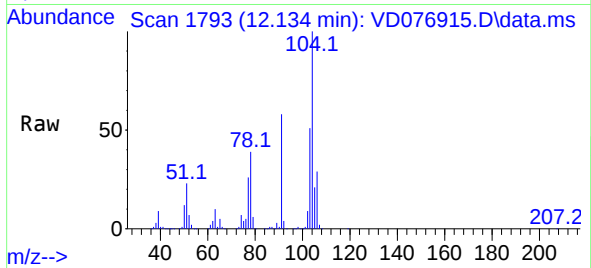




#55  
Styrene  
Concen: 110.776 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

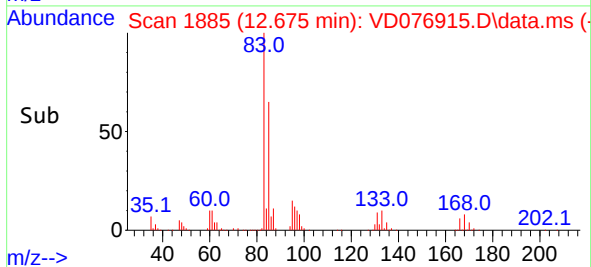
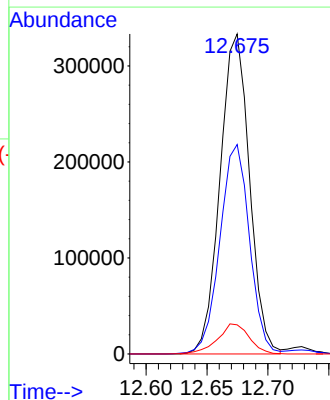
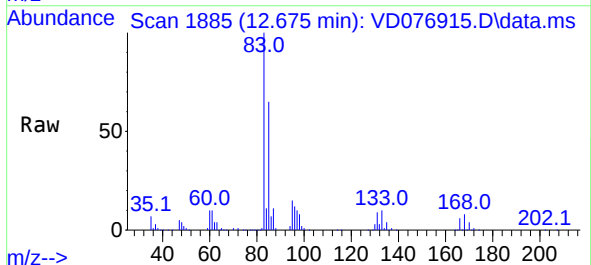
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

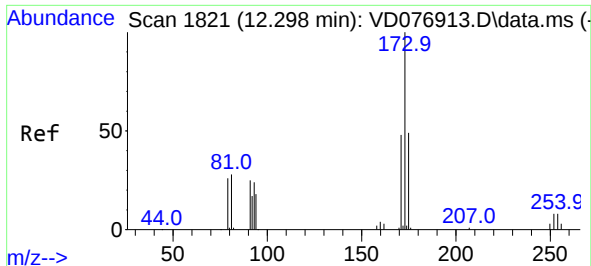
Tgt Ion:104 Resp: 1759134  
Ion Ratio Lower Upper  
104 100  
78 39.3 31.3 58.1



#57  
1,1,2,2-Tetrachloroethane  
Concen: 117.675 ug/L  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 83 Resp: 561082  
Ion Ratio Lower Upper  
83 100  
85 65.5 46.3 86.1  
131 9.1 7.0 10.4

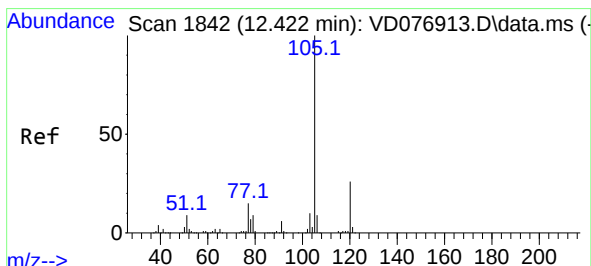
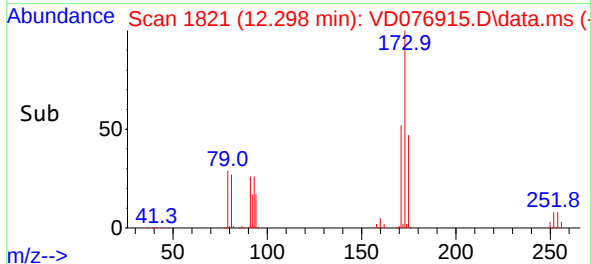
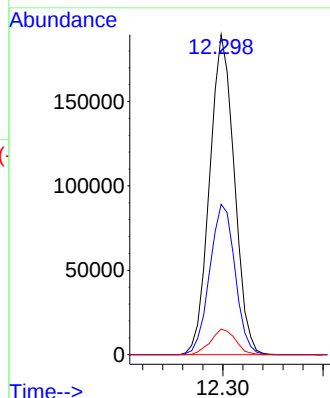
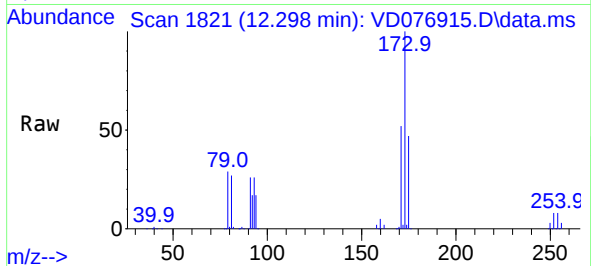




#59  
Bromoform  
Concen: 103.454 ug/L  
RT: 12.298 min Scan# 1821  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

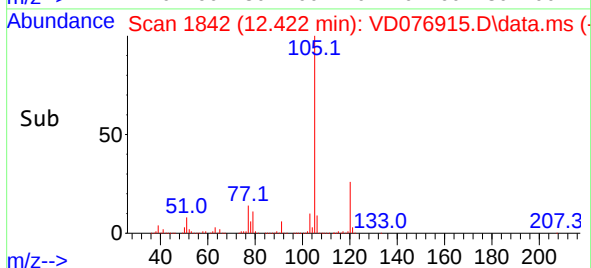
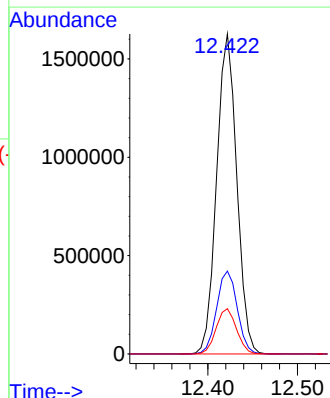
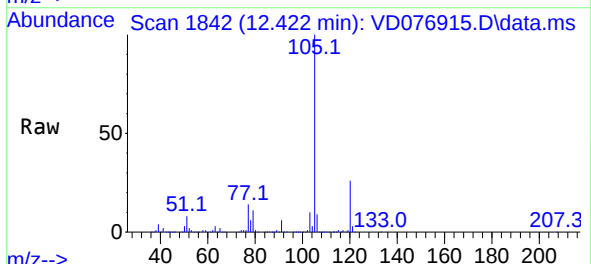
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

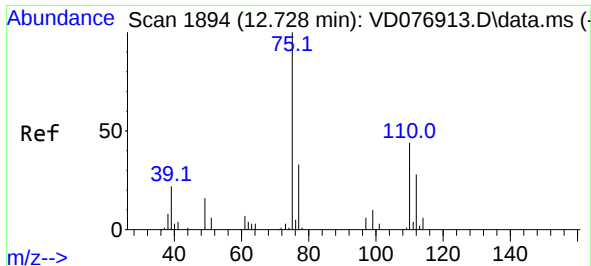
Tgt Ion:173 Resp: 323734  
Ion Ratio Lower Upper  
173 100  
175 48.3 39.0 58.4  
254 8.1 5.3 7.9#



#60  
Isopropylbenzene  
Concen: 97.198 ug/L  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion:105 Resp: 2533686  
Ion Ratio Lower Upper  
105 100  
120 26.5 21.3 31.9  
77 14.3 12.2 18.4

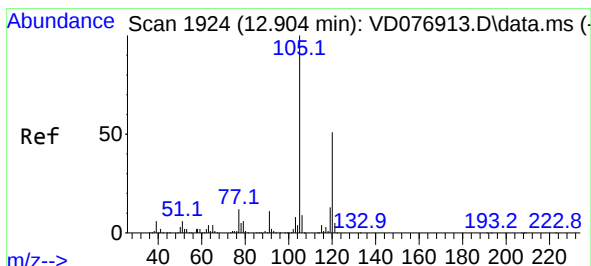
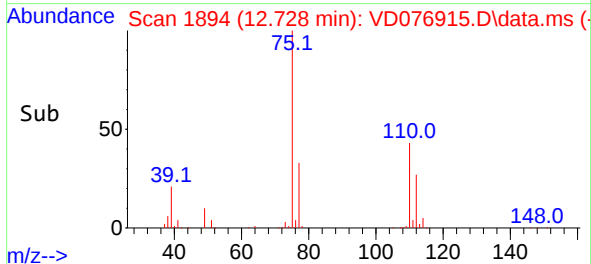
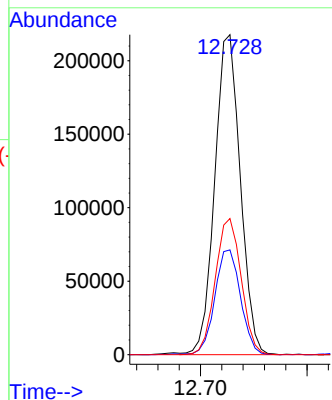
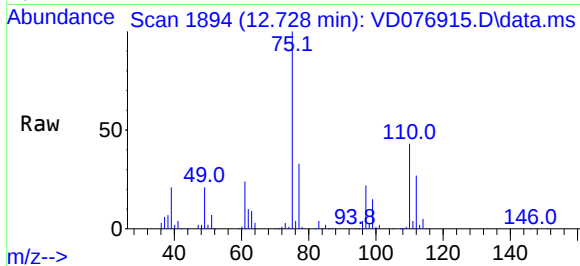




#61  
1,2,3-Trichloropropane  
Concen: 104.810 ug/L  
RT: 12.728 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

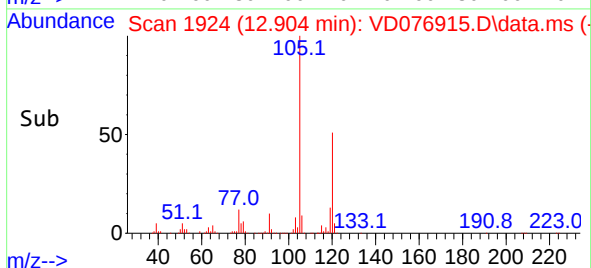
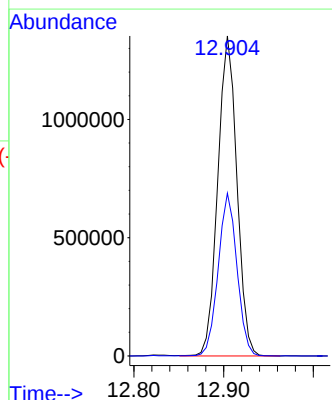
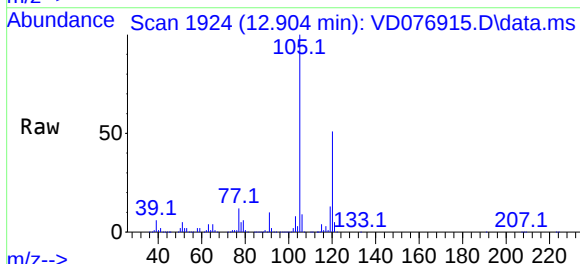
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

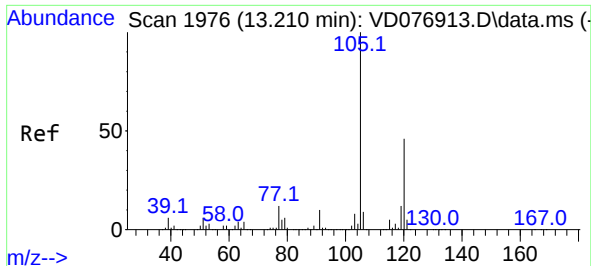
Tgt Ion: 75 Resp: 362394  
Ion Ratio Lower Upper  
75 100  
77 33.0 27.2 40.8  
110 43.0 31.8 47.6



#62  
1,3,5-Trimethylbenzene  
Concen: 96.839 ug/L  
RT: 12.904 min Scan# 1924  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 105 Resp: 1999133  
Ion Ratio Lower Upper  
105 100  
120 49.9 39.8 59.6

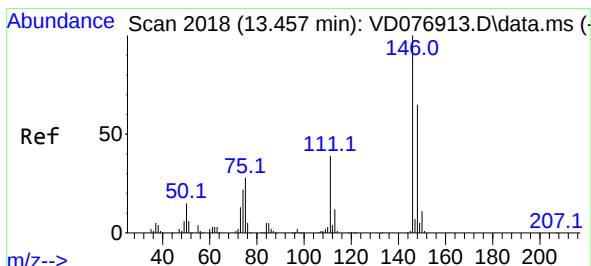
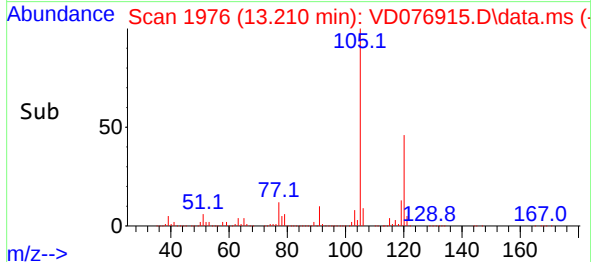
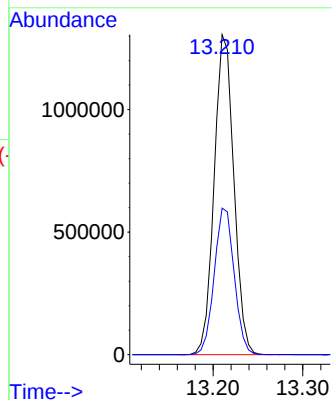
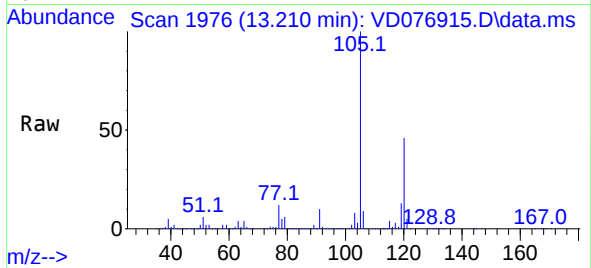




#63  
1,2,4-Trimethylbenzene  
Concen: 96.950 ug/L  
RT: 13.210 min Scan# 1976  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

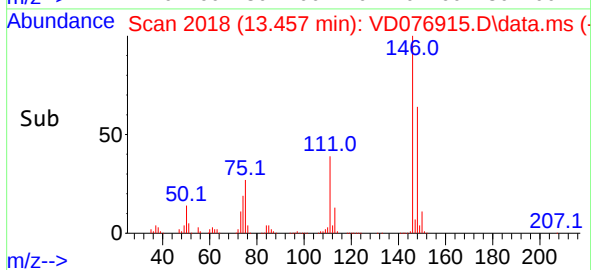
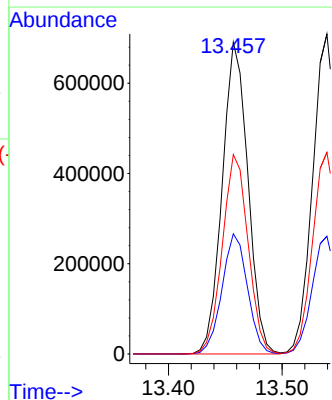
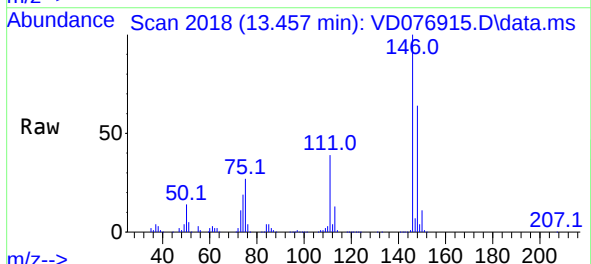
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

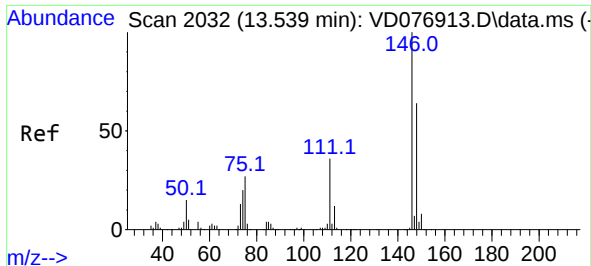
Tgt Ion:105 Resp: 1988878  
Ion Ratio Lower Upper  
105 100  
120 46.4 37.5 56.3



#64  
1,3-Dichlorobenzene  
Concen: 94.124 ug/L  
RT: 13.457 min Scan# 1818  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

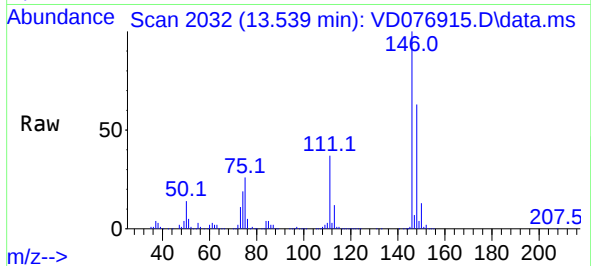
Tgt Ion:146 Resp: 1087776  
Ion Ratio Lower Upper  
146 100  
111 38.5 25.6 47.4  
148 63.9 44.3 82.3



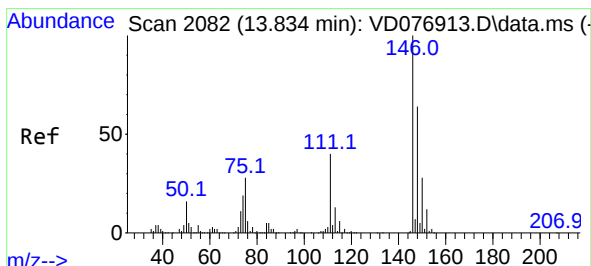
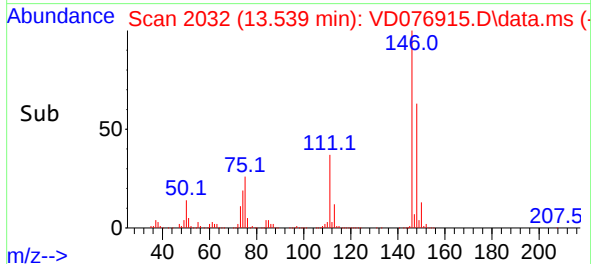
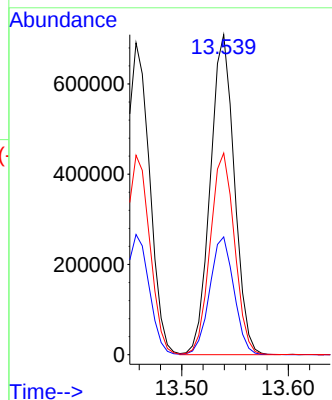


#65  
1,4-Dichlorobenzene  
Concen: 94.552 ug/L  
RT: 13.539 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

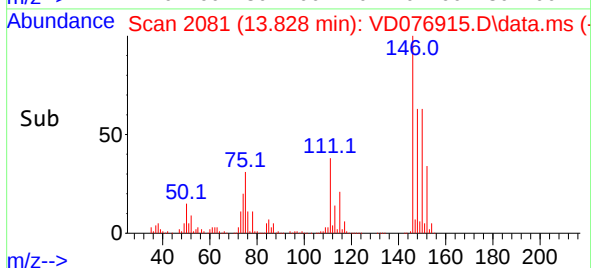
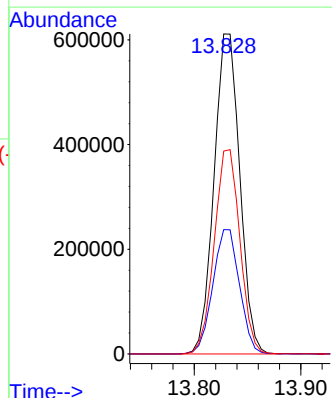
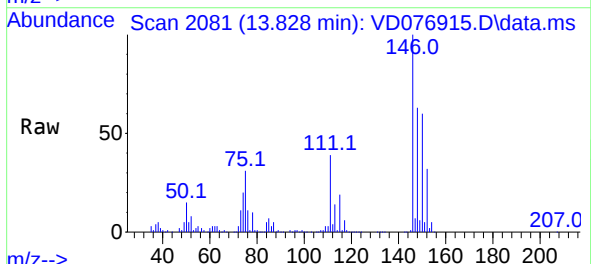


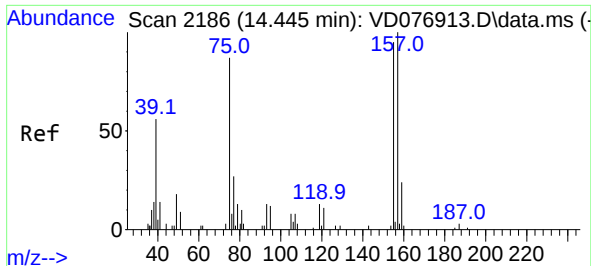
Tgt Ion:146 Resp: 1111663  
Ion Ratio Lower Upper  
146 100  
111 36.8 25.7 47.7  
148 63.0 45.4 84.2



#67  
1,2-Dichlorobenzene  
Concen: 98.615 ug/L  
RT: 13.828 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion:146 Resp: 1027637  
Ion Ratio Lower Upper  
146 100  
111 38.9 31.3 46.9  
148 63.4 51.7 77.5



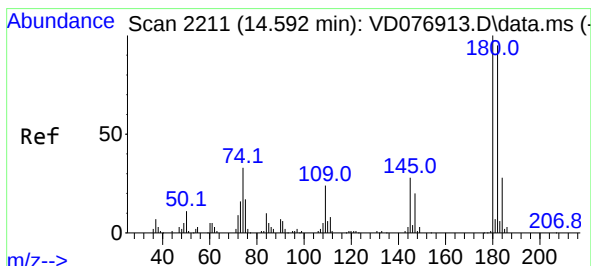
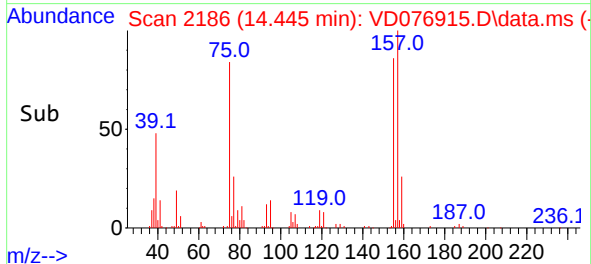
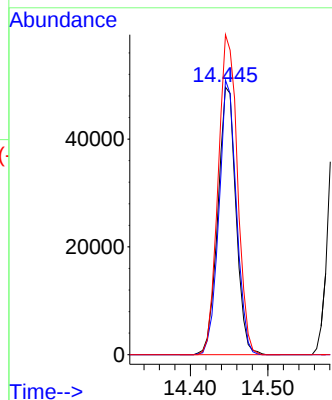
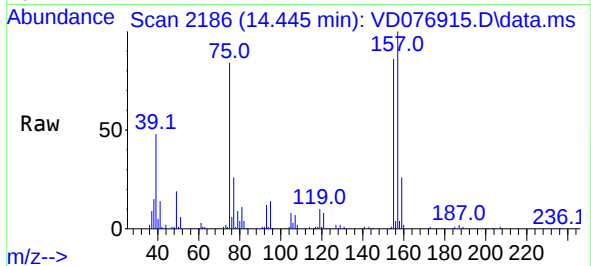


#68  
1,2-Dibromo-3-chloropropane  
Concen: 105.925 ug/L  
RT: 14.445 min Scan# 2186  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

Tgt Ion: 75 Resp: 80718

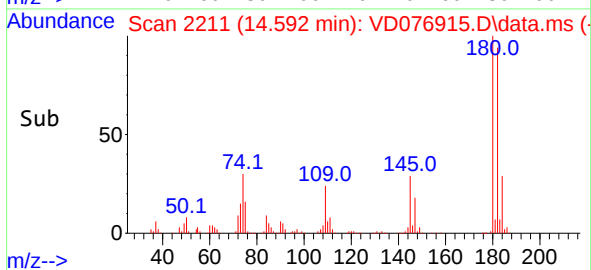
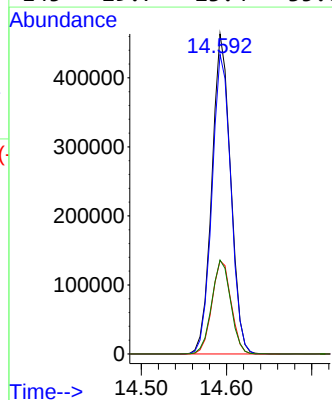
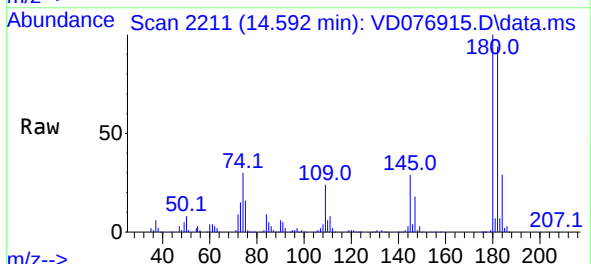
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 102.7 | 76.2  | 114.4 |
| 157 | 119.6 | 89.4  | 134.2 |

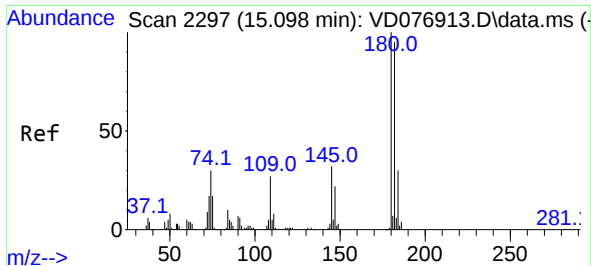


#69  
1,3,5-Trichlorobenzene  
Concen: 92.614 ug/L  
RT: 14.592 min Scan# 2211  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

Tgt Ion: 180 Resp: 708190

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.6  | 77.1  | 115.7 |
| 184 | 29.7  | 25.0  | 37.4  |
| 145 | 29.7  | 23.4  | 35.0  |

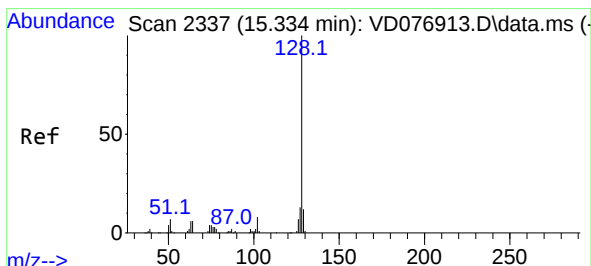
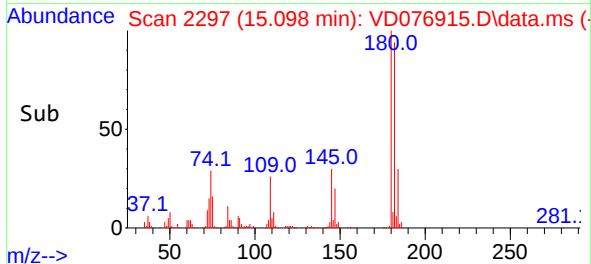
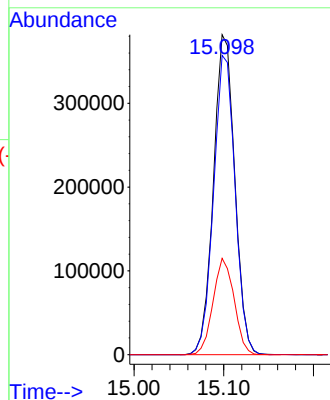
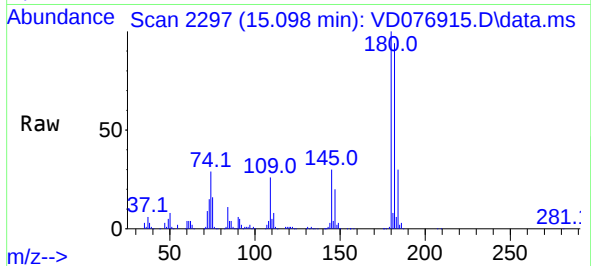




#70  
1,2,4-trichlorobenzene  
Concen: 92.680 ug/L  
RT: 15.098 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

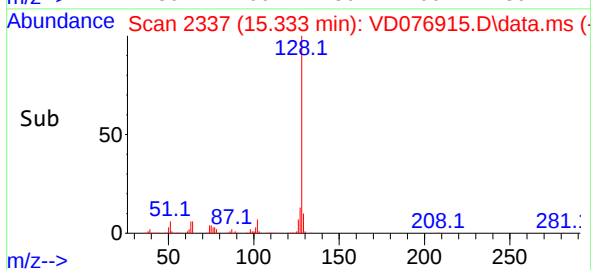
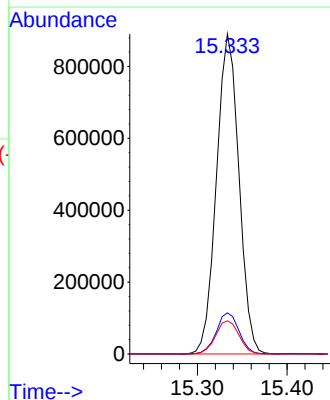
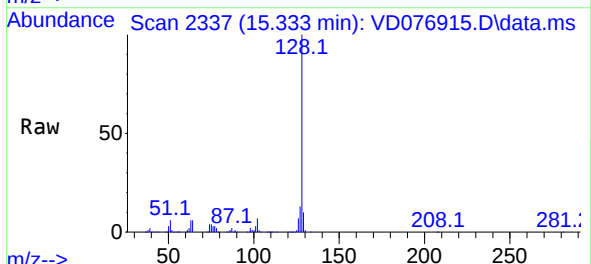
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD100162

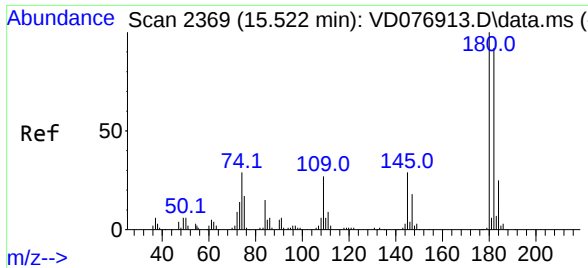
Tgt Ion:180 Resp: 629707  
Ion Ratio Lower Upper  
180 100  
182 94.2 76.9 115.3  
145 29.7 23.5 35.3



#71  
Naphthalene  
Concen: 114.184 ug/L  
RT: 15.333 min Scan# 2337  
Delta R.T. -0.000 min  
Lab File: VD076915.D  
Acq: 03 Aug 2023 11:55

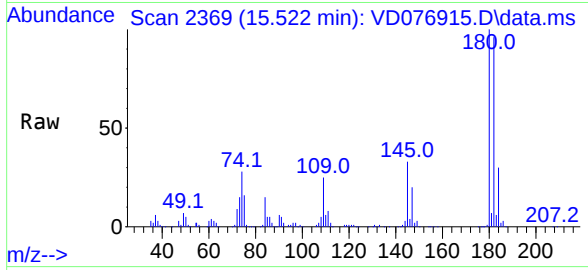
Tgt Ion:128 Resp: 1547630  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.8 16.2  
129 10.8 8.6 12.8





#72  
 1,2,3-Trichlorobenzene  
 Concen: 94.945 ug/L  
 RT: 15.522 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VD076915.D  
 Acq: 03 Aug 2023 11:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD100162



Tgt Ion:180 Resp: 566992

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.5  | 74.3  | 111.5 |
| 145 | 31.6  | 25.0  | 37.6  |

