

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061424\  
 Data File : VD079188.D  
 Acq On : 14 Jun 2024 11:04  
 Operator : RP/MD  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jun 15 02:18:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 14 04:47:47 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene     | 8.775  | 114  | 219443   | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.581 | 117  | 219568   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 112886   | 25.000 | ug/L  | 0.00     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 135528   | 20.070   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 80.280%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 108879   | 16.675   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 66.680%  |
| 11) 1,1-Dichloroethene-d2     | 3.911  | 65    | 23539    | 19.635   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =    | 78.560%  |
| 21) 2-Butanone-d5             | 6.981  | 46    | 25581    | 49.527   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 99.060%  |
| 24) Chloroform-d              | 7.563  | 84    | 128696   | 20.975   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =    | 83.880%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 62621    | 22.124   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =    | 88.480%  |
| 32) Benzene-d6                | 8.199  | 84    | 255745   | 21.011   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =    | 84.040%  |
| 36) 1,2-Dichloropropane-d6    | 9.204  | 67    | 73023    | 20.827   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =    | 83.320%  |
| 41) Toluene-d8                | 10.269 | 98    | 243522   | 21.367   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =    | 85.480%  |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 33947    | 23.035   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =    | 92.120%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 22720    | 50.124   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 100.240% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.645 | 84    | 69430    | 22.356   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =    | 89.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 83796    | 21.509   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =    | 86.040%  |

| Target Compounds              |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.934 | 85  | 76512  | 22.026 | ug/L   | 99     |
| 3) Chloromethane              | 2.146 | 50  | 127577 | 27.555 | ug/L   | 98     |
| 5) Vinyl chloride             | 2.281 | 62  | 186959 | 24.465 | ug/L   | 94     |
| 6) Bromomethane               | 2.693 | 94  | 127860 | 21.673 | ug/L   | 97     |
| 8) Chloroethane               | 2.834 | 64  | 116459 | 20.793 | ug/L   | 96     |
| 9) Trichlorofluoromethane     | 3.169 | 101 | 160258 | 27.529 | ug/L   | 99     |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.964 | 101 | 81553  | 23.362 | ug/L   | 97     |
| 12) 1,1-Dichloroethene        | 3.934 | 96  | 74586  | 24.542 | ug/L   | 94     |
| 13) Acetone                   | 4.022 | 43  | 50780  | 67.909 | ug/L   | 99     |
| 14) Carbon disulfide          | 4.269 | 76  | 260602 | 24.581 | ug/L   | 99     |
| 15) Methyl Acetate            | 4.563 | 43  | 29210  | 28.670 | ug/L   | 97     |
| 16) Methylene chloride        | 4.799 | 84  | 97708  | 24.989 | ug/L   | 95     |
| 17) trans-1,2-Dichloroethene  | 5.311 | 96  | 84319  | 25.673 | ug/L   | 94     |
| 18) Methyl tert-butyl Ether   | 5.311 | 73  | 173054 | 29.709 | ug/L # | 90     |
| 19) 1,1-Dichloroethane        | 6.110 | 63  | 134073 | 25.355 | ug/L   | 96     |
| 20) cis-1,2-Dichloroethene    | 7.075 | 96  | 93852  | 27.444 | ug/L   | 97     |
| 22) 2-Butanone                | 7.075 | 43  | 53558  | 68.180 | ug/L   | 95     |
| 23) Bromochloromethane        | 7.416 | 128 | 46029  | 26.548 | ug/L   | 96     |
| 25) Chloroform                | 7.593 | 83  | 154118 | 25.671 | ug/L   | 95     |

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 Sample : VSTDCCC025  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jun 15 02:18:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 14 04:47:47 2024  
 Response via : Initial Calibration

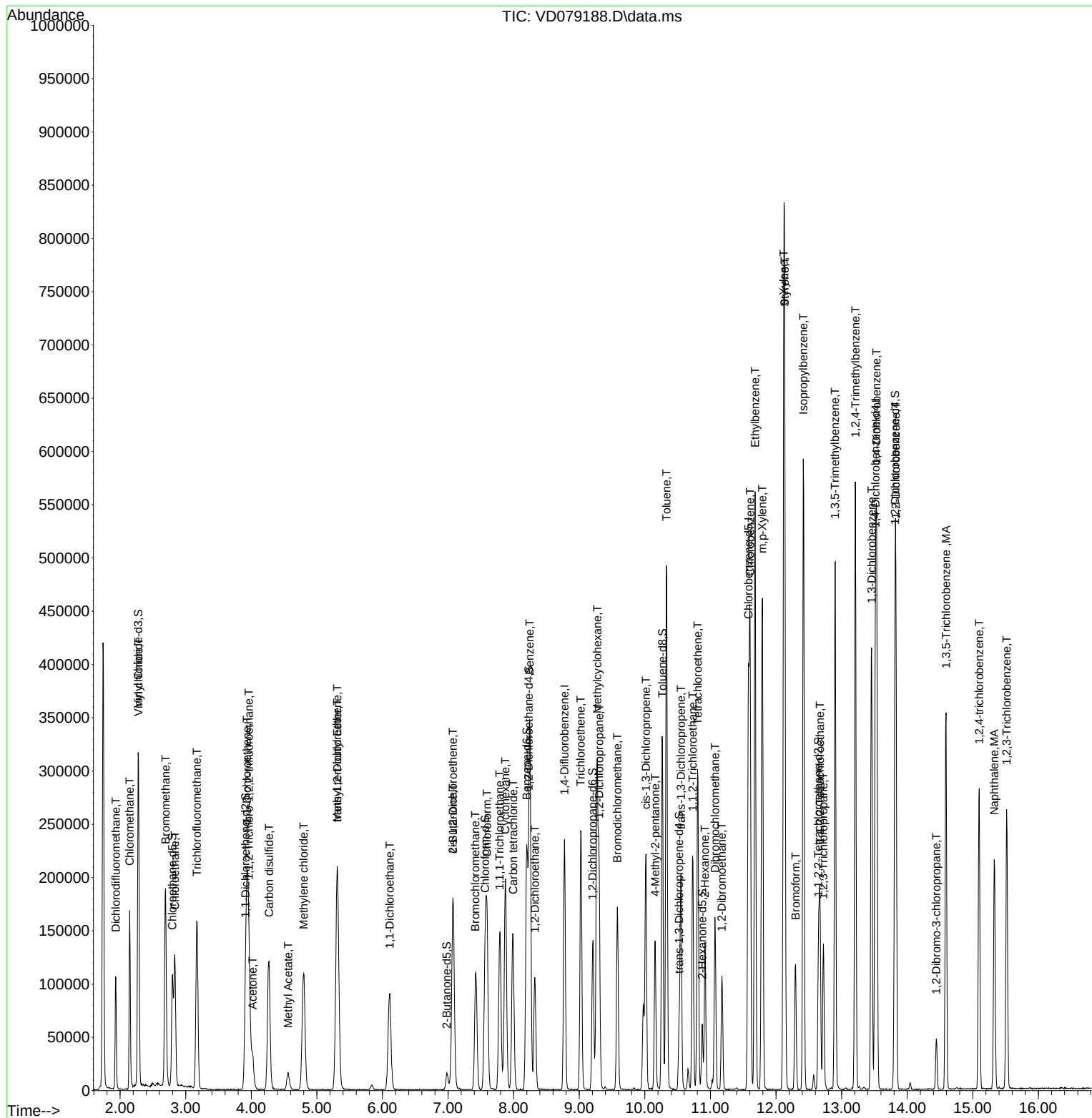
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 94849    | 27.216 | ug/L # | 94       |
| 29) Cyclohexane               | 7.875  | 56   | 102202   | 25.798 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.787  | 97   | 126774   | 24.387 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 115756   | 23.962 | ug/L   | 98       |
| 33) Benzene                   | 8.246  | 78   | 347146   | 26.545 | ug/L   | 100      |
| 34) Trichloroethene           | 9.022  | 95   | 86333    | 25.632 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.275  | 83   | 138108   | 24.746 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 83916    | 26.197 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.581  | 83   | 116591   | 26.183 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 137207   | 27.439 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 84894    | 63.488 | ug/L   | 98       |
| 42) Toluene                   | 10.328 | 91   | 391732   | 26.976 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 120744   | 28.555 | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 10.728 | 97   | 75677    | 26.929 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.804 | 164  | 73446    | 24.765 | ug/L   | 98       |
| 48) 2-Hexanone                | 10.916 | 43   | 80960    | 69.969 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.069 | 129  | 87346    | 26.247 | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 11.175 | 107  | 71466    | 27.671 | ug/L # | 93       |
| 51) Chlorobenzene             | 11.604 | 112  | 256146   | 26.510 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.681 | 91   | 405329   | 26.759 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.793 | 106  | 163301   | 27.478 | ug/L   | 100      |
| 54) o-Xylene                  | 12.116 | 106  | 156386   | 27.237 | ug/L   | 93       |
| 55) Styrene                   | 12.134 | 104  | 288944   | 28.382 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 88565    | 28.155 | ug/L   | 95       |
| 59) Bromoform                 | 12.298 | 173  | 54196    | 26.195 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.416 | 105  | 399170   | 26.742 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 57343    | 28.772 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.898 | 105  | 277127   | 27.154 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 303938   | 27.844 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 188747   | 26.322 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 199888   | 26.309 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 176514   | 26.628 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 12096    | 29.524 | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 116418   | 25.742 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 100262   | 26.693 | ug/L   | 99       |
| 71) Naphthalene               | 15.328 | 128  | 200481   | 28.540 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 90435    | 27.858 | ug/L   | 97       |

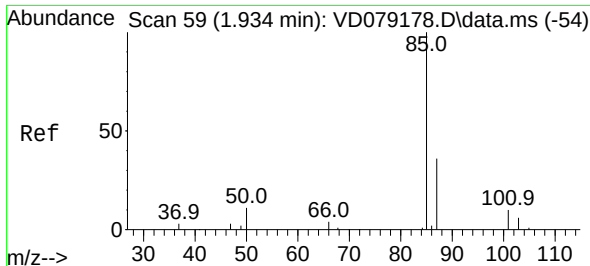
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061424\  
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Quant Title : SFAM01.0  
QLast Update : Fri Jun 14 04:47:47 2024  
Response via : Initial Calibration

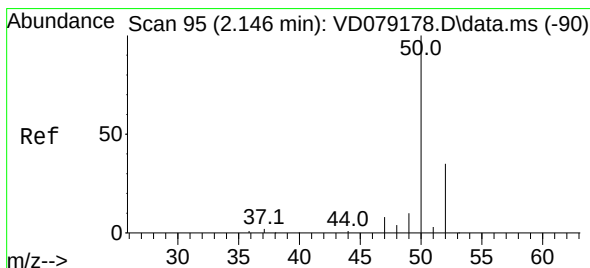
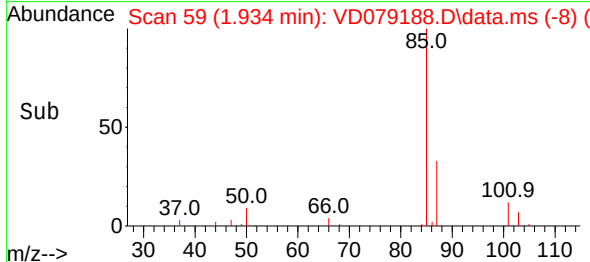
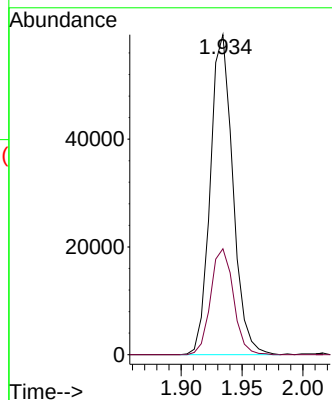
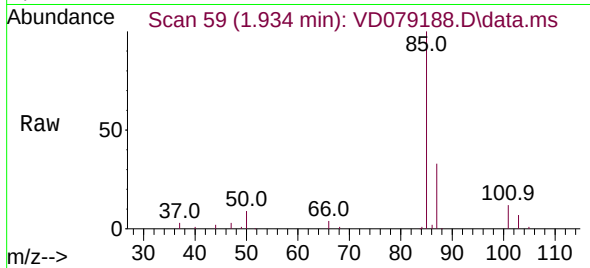




#2  
 Dichlorodifluoromethane  
 Concen: 22.026 ug/L  
 RT: 1.934 min Scan# 59  
 Delta R.T. -0.000 min  
 Lab File: VD079188.D  
 Acq: 14 Jun 2024 11:04

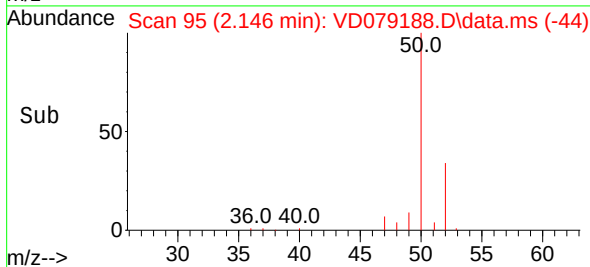
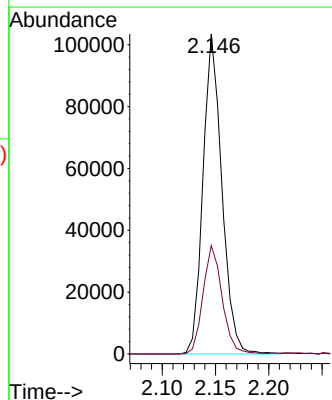
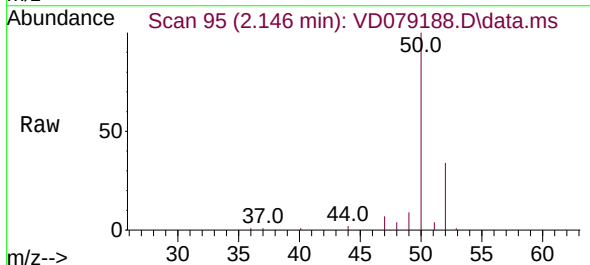
Instrument :  
 MSVOA\_D  
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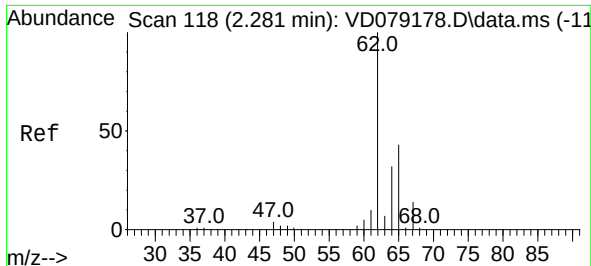
Tgt Ion: 85 Resp: 76512  
 Ion Ratio Lower Upper  
 85 100  
 87 33.4 26.2 39.4



#3  
 Chloromethane  
 Concen: 27.555 ug/L  
 RT: 2.146 min Scan# 95  
 Delta R.T. -0.000 min  
 Lab File: VD079188.D  
 Acq: 14 Jun 2024 11:04

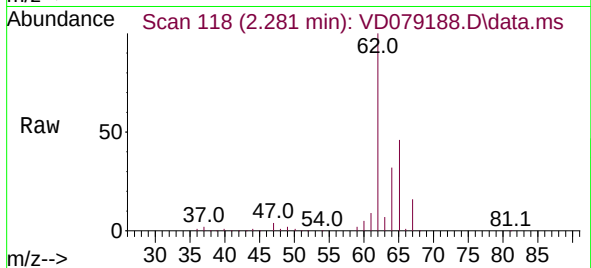
Tgt Ion: 50 Resp: 127577  
 Ion Ratio Lower Upper  
 50 100  
 52 33.9 24.4 45.2



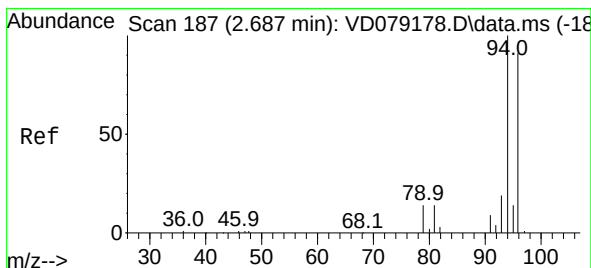
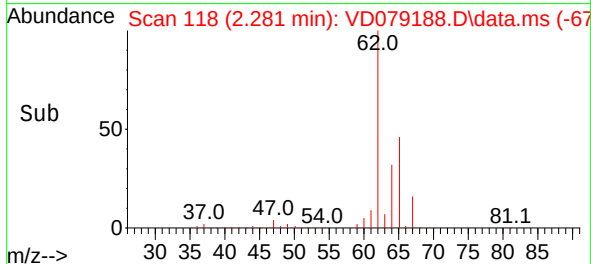
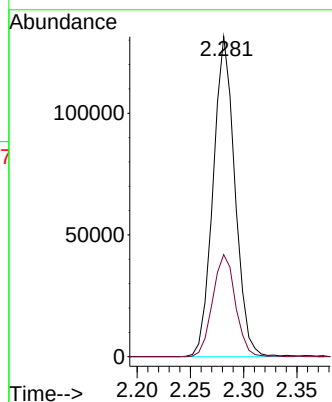


#5  
 Vinyl chloride  
 Concen: 24.465 ug/L  
 RT: 2.281 min Scan# 118  
 Delta R.T. -0.000 min  
 Lab File: VD079188.D  
 Acq: 14 Jun 2024 11:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :

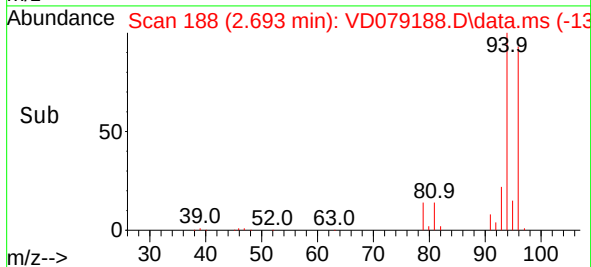
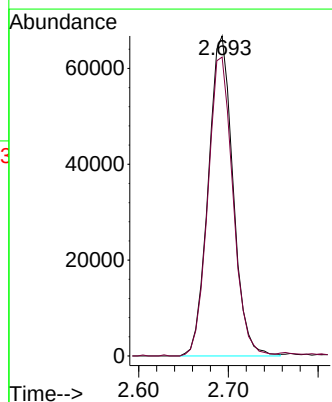
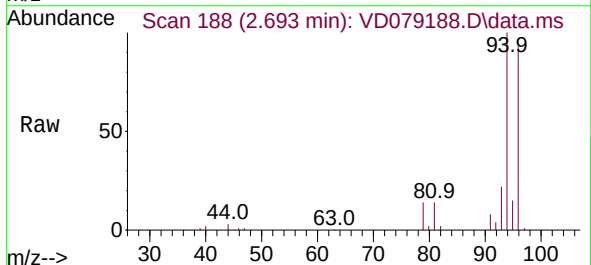


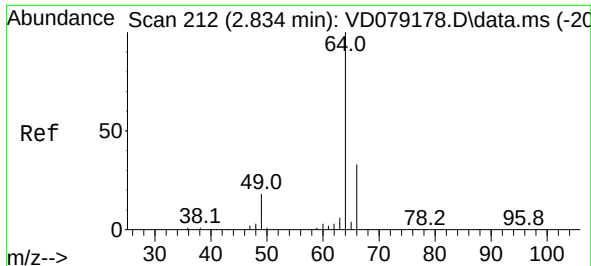
Tgt Ion: 62 Resp: 186959  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 24.8 46.1



#6  
 Bromomethane  
 Concen: 21.673 ug/L  
 RT: 2.693 min Scan# 188  
 Delta R.T. 0.006 min  
 Lab File: VD079188.D  
 Acq: 14 Jun 2024 11:04

Tgt Ion: 94 Resp: 127860  
 Ion Ratio Lower Upper  
 94 100  
 96 93.4 63.6 118.2

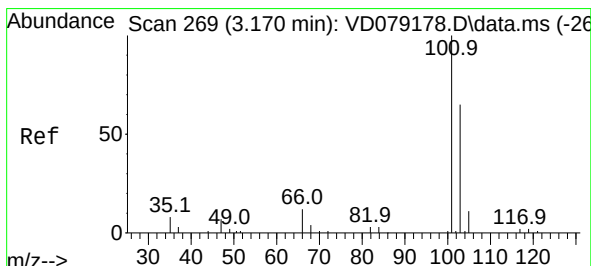
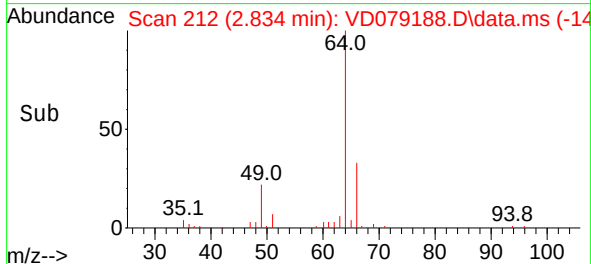
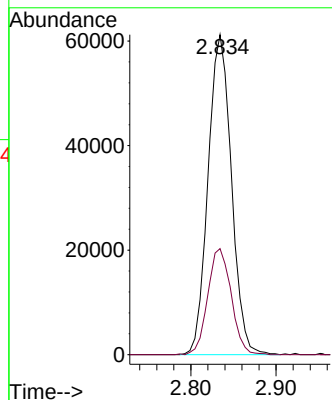
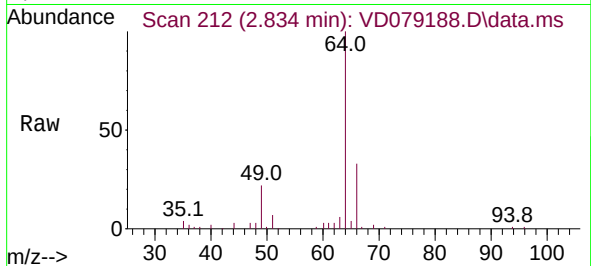




#8  
Chloroethane  
Concen: 20.793 ug/L  
RT: 2.834 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

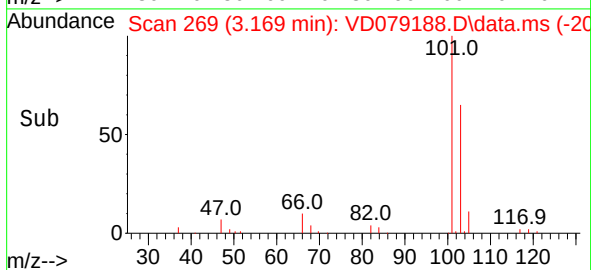
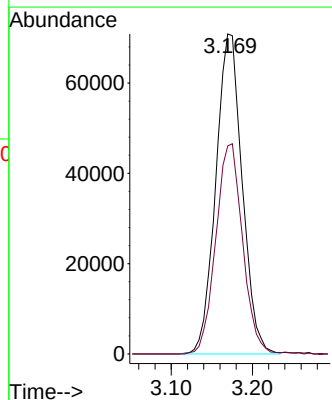
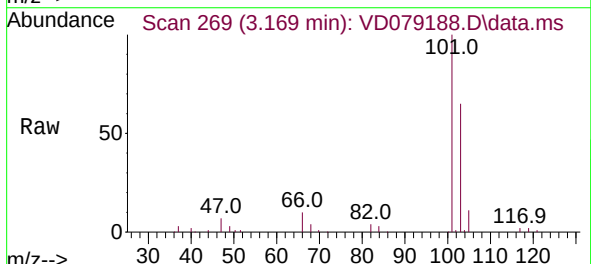
Instrument :  
MSVOA\_D  
ClientSampleId :

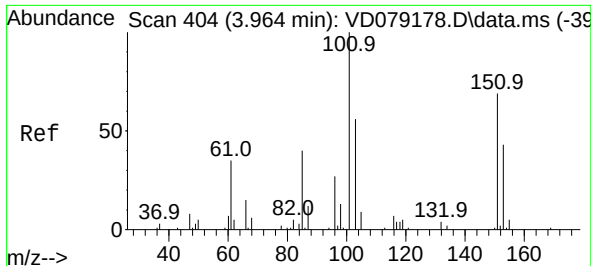
Tgt Ion: 64 Resp: 116459  
Ion Ratio Lower Upper  
64 100  
66 33.1 24.8 46.1



#9  
Trichlorofluoromethane  
Concen: 27.529 ug/L  
RT: 3.169 min Scan# 269  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Tgt Ion:101 Resp: 160258  
Ion Ratio Lower Upper  
101 100  
103 66.5 52.6 79.0

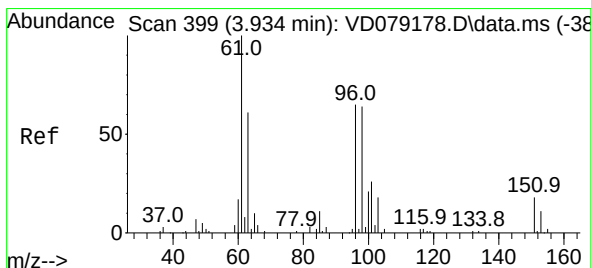
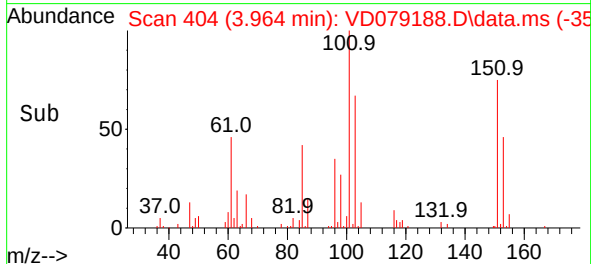
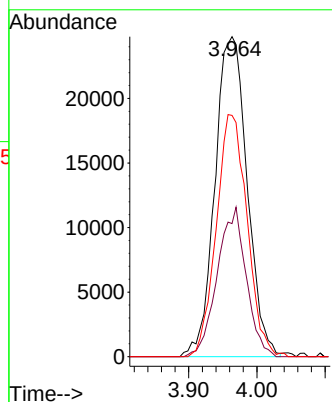
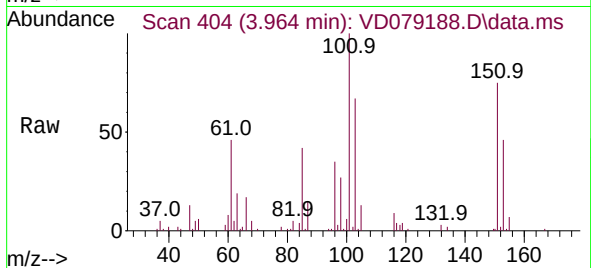




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 23.362 ug/L  
RT: 3.964 min Scan# 404  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

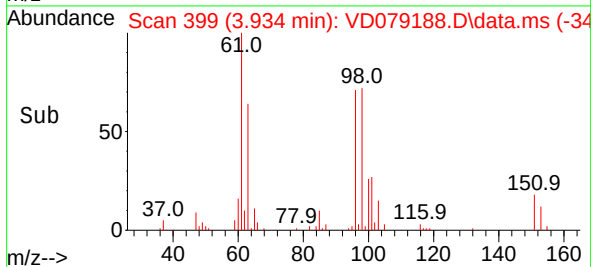
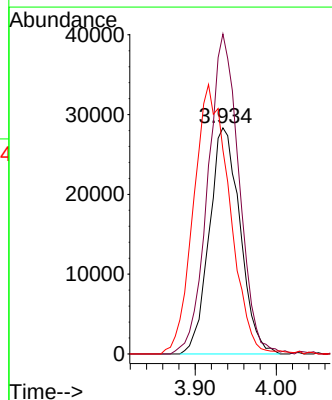
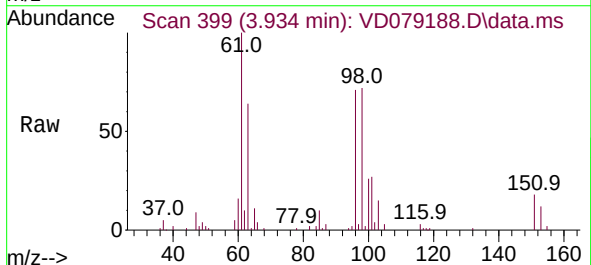
Instrument :  
MSVOA\_D  
ClientSampleId :

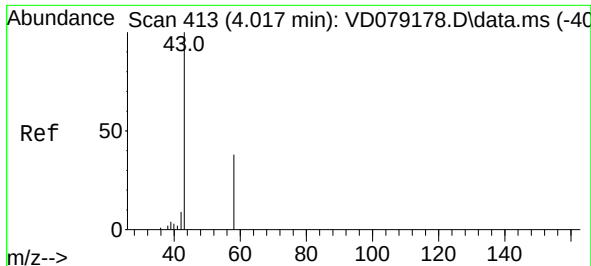
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Ion Ratio Lower Upper  
101 100  
85 41.8 35.4 53.0  
151 72.2 59.1 88.7



#12  
1,1-Dichloroethene  
Concen: 24.542 ug/L  
RT: 3.934 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

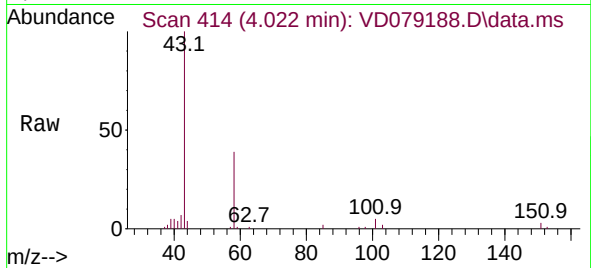
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Ion Ratio Lower Upper  
96 100  
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63 90.2 67.7 125.7



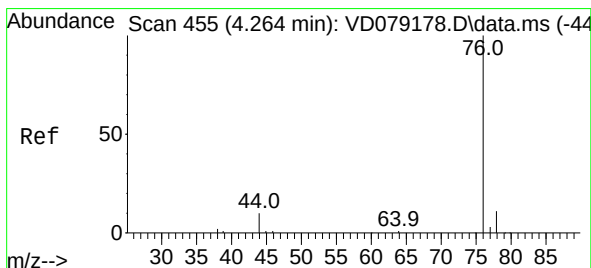
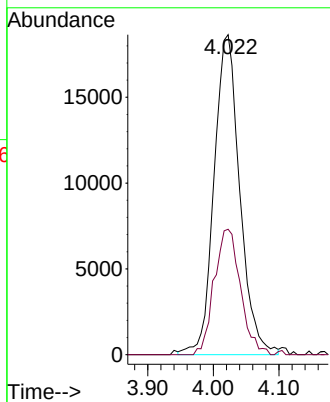
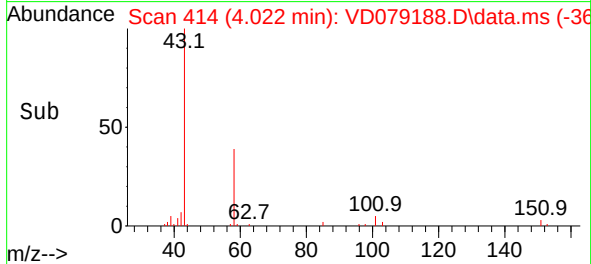


#13  
Acetone  
Concen: 67.909 ug/L  
RT: 4.022 min Scan# 413  
Delta R.T. 0.006 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Instrument :  
MSVOA\_D  
ClientSampleId :

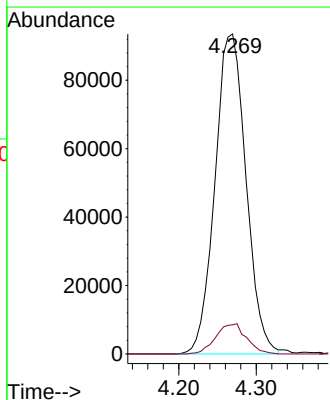
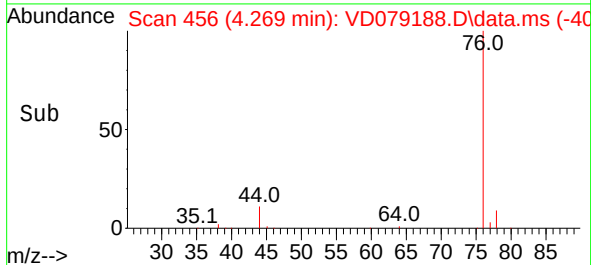
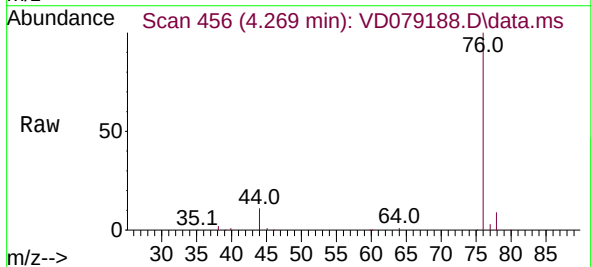


Tgt Ion: 43 Resp: 50780  
Ion Ratio Lower Upper  
43 100  
58 39.5 0.0 78.2

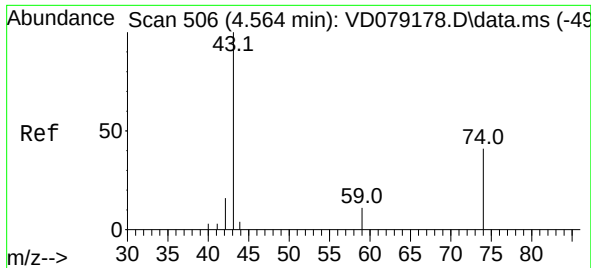


#14  
Carbon disulfide  
Concen: 24.581 ug/L  
RT: 4.269 min Scan# 456  
Delta R.T. 0.006 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Tgt Ion: 76 Resp: 260602  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.5 11.3







#15

Methyl Acetate

Concen: 28.670 ug/L

RT: 4.563 min Scan# 506

Delta R.T. -0.000 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

Instrument :

MSVOA\_D

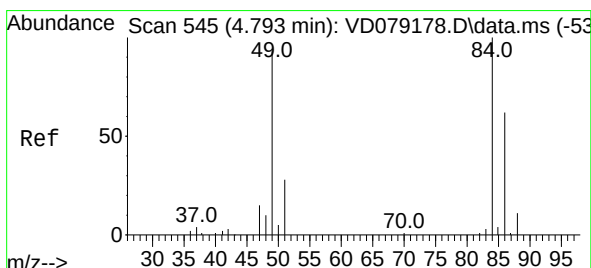
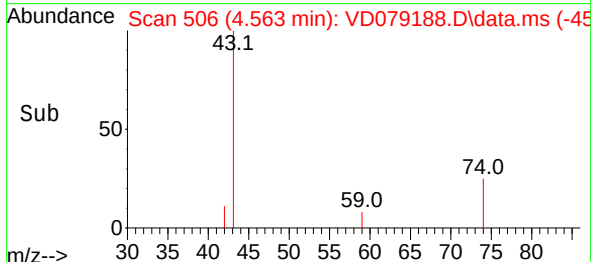
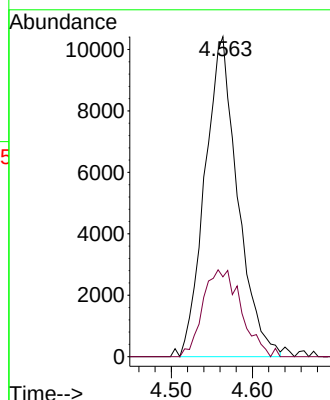
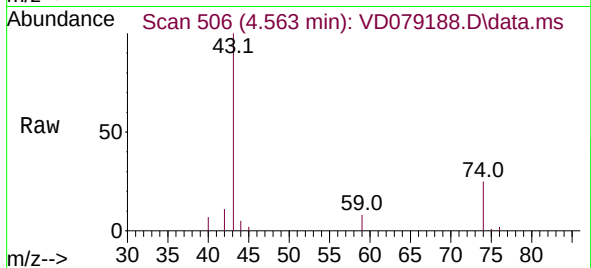
ClientSampleId :

Tgt Ion: 43 Resp: 29210

Ion Ratio Lower Upper

43 100

74 31.6 23.8 35.6



#16

Methylene chloride

Concen: 24.989 ug/L

RT: 4.799 min Scan# 546

Delta R.T. 0.006 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

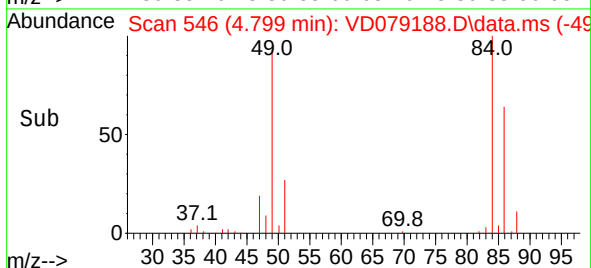
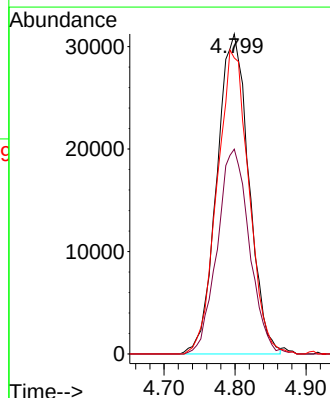
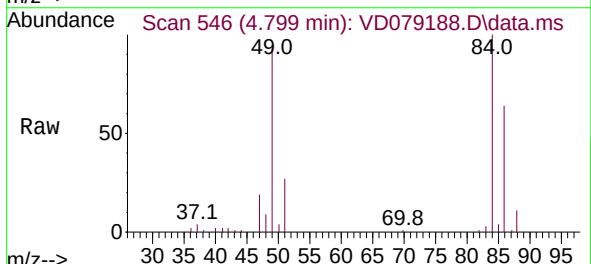
Tgt Ion: 84 Resp: 97708

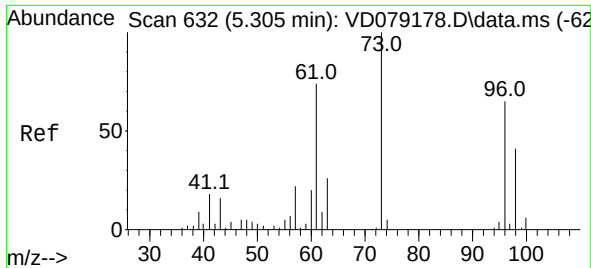
Ion Ratio Lower Upper

84 100

86 64.0 40.9 76.0

49 92.5 67.5 125.3





#17

trans-1,2-Dichloroethene

Concen: 25.673 ug/L

RT: 5.311 min Scan# 61

Delta R.T. 0.006 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

Instrument :

MSVOA\_D

ClientSampleId :

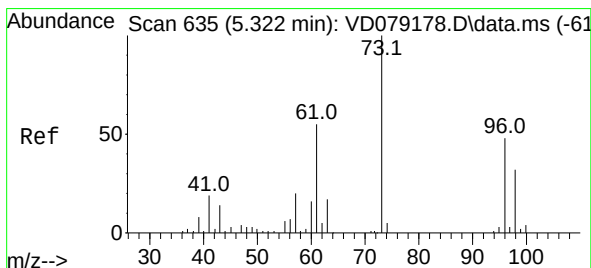
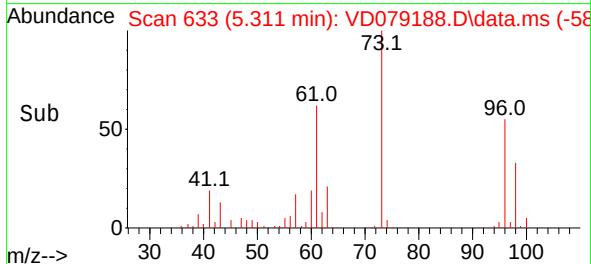
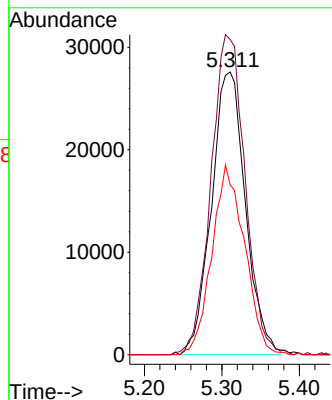
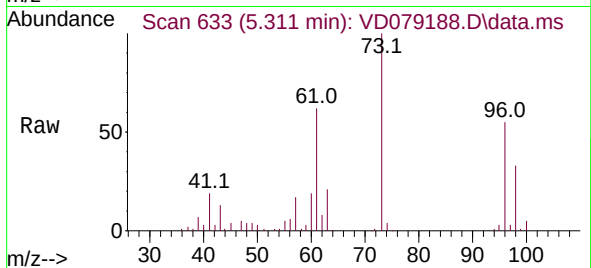
Tgt Ion: 96 Resp: 84319

Ion Ratio Lower Upper

96 100

61 111.6 71.9 133.5

98 60.1 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 29.709 ug/L

RT: 5.311 min Scan# 633

Delta R.T. -0.012 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

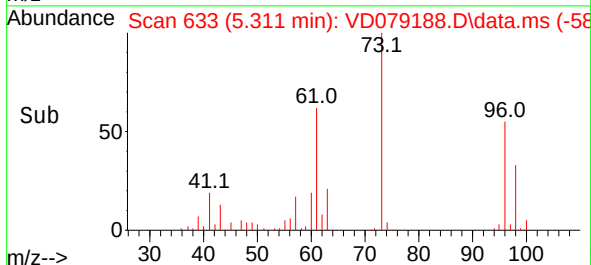
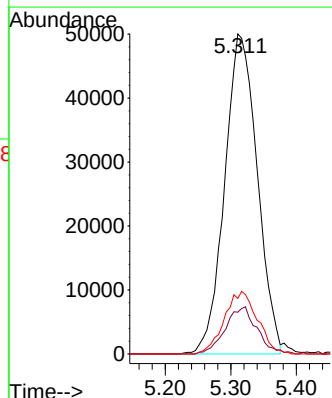
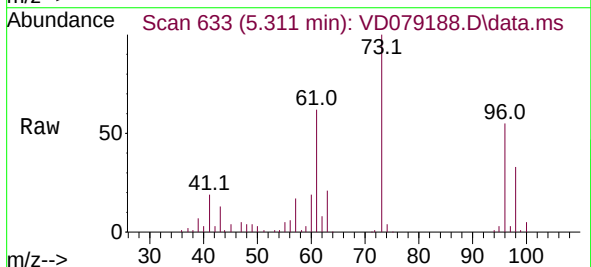
Tgt Ion: 73 Resp: 173054

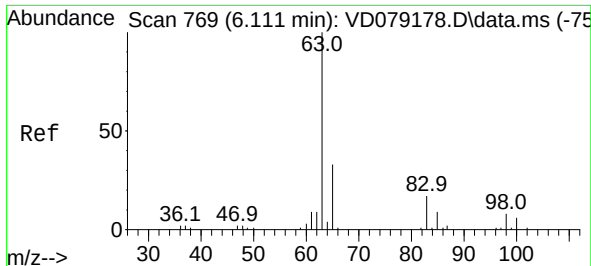
Ion Ratio Lower Upper

73 100

43 14.2 12.0 18.0

57 19.8 9.6 14.4#

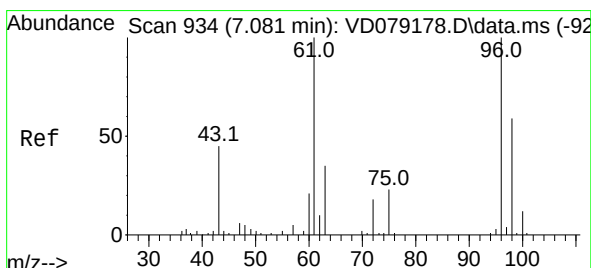
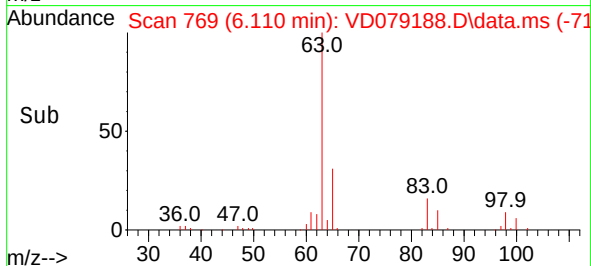
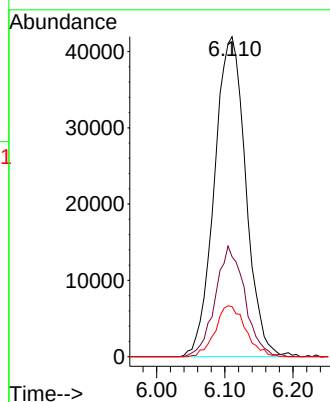
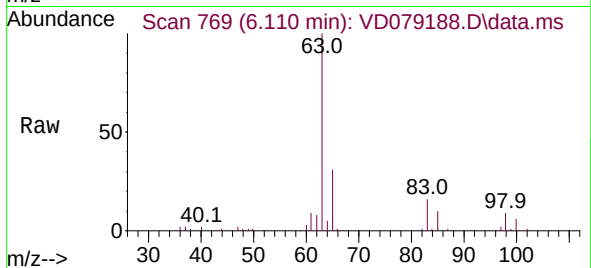




#19  
1,1-Dichloroethane  
Concen: 25.355 ug/L  
RT: 6.110 min Scan# 769  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

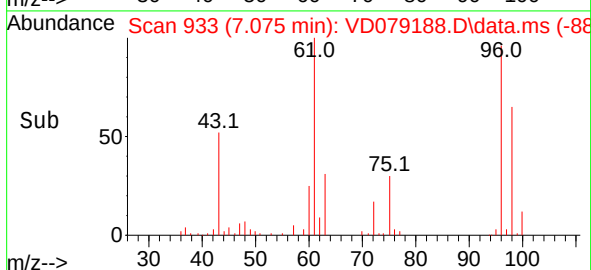
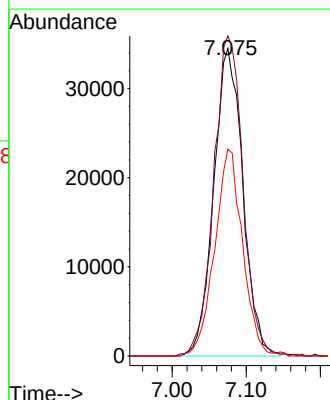
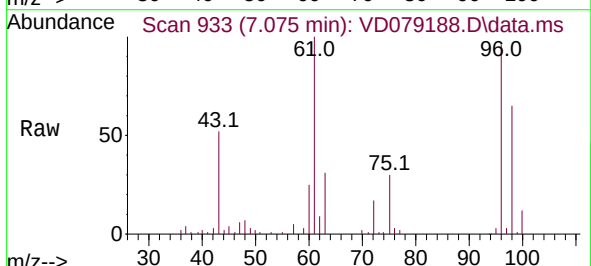
Instrument :  
MSVOA\_D  
ClientSampleId :

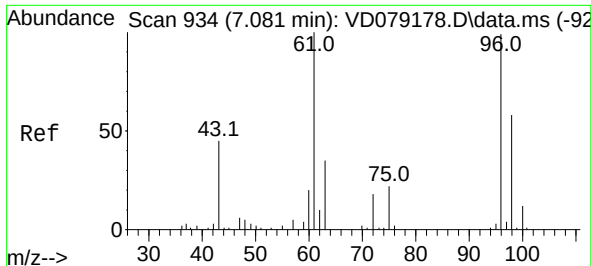
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 134073 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 31.2  | 22.8  | 42.4   |
| 83       | 15.7  | 8.6   | 16.0   |



#20  
cis-1,2-Dichloroethene  
Concen: 27.444 ug/L  
RT: 7.075 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 93852 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 104.1 | 72.6  | 134.8 |
| 98       | 67.2  | 43.8  | 81.3  |

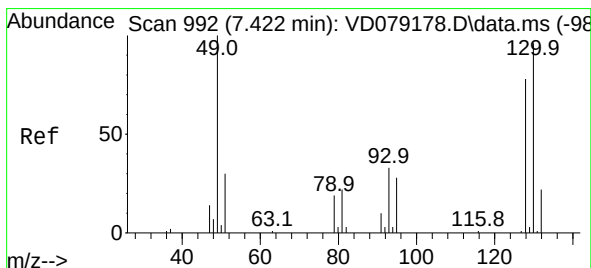
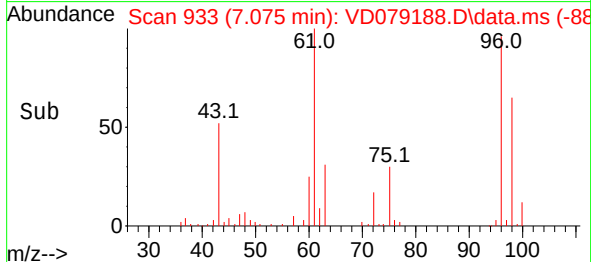
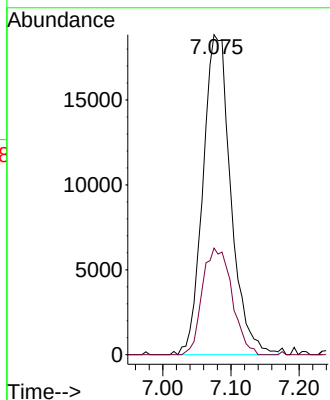
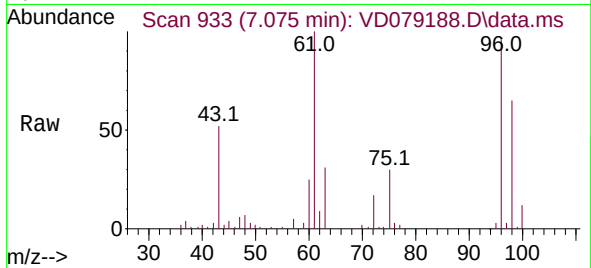




#22  
2-Butanone  
Concen: 68.180 ug/L  
RT: 7.075 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

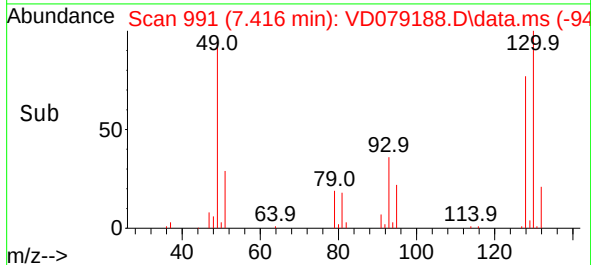
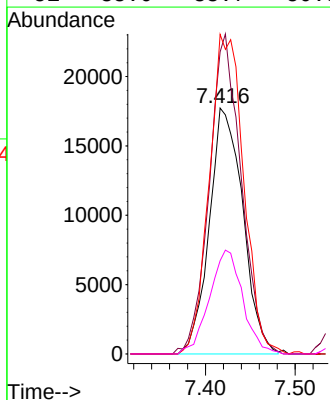
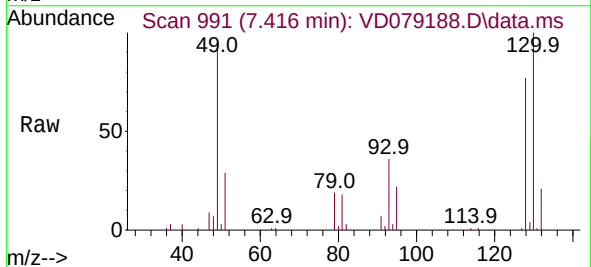
Instrument :  
MSVOA\_D  
ClientSampleId :

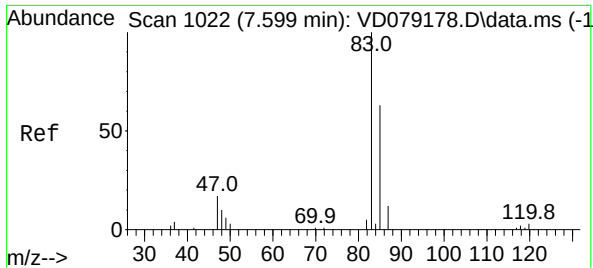
Tgt Ion: 43 Resp: 53558  
Ion Ratio Lower Upper  
43 100  
72 35.3 19.3 57.8



#23  
Bromochloromethane  
Concen: 26.548 ug/L  
RT: 7.416 min Scan# 991  
Delta R.T. -0.006 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Tgt Ion:128 Resp: 46029  
Ion Ratio Lower Upper  
128 100  
49 122.8 81.8 151.8  
130 130.0 90.4 167.8  
51 38.0 33.7 50.5

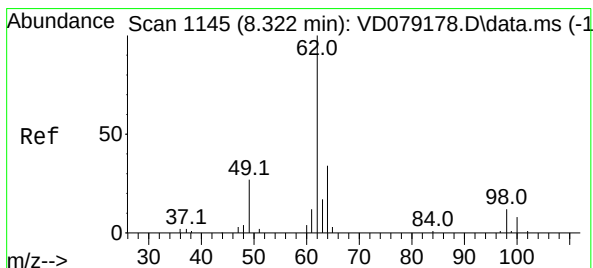
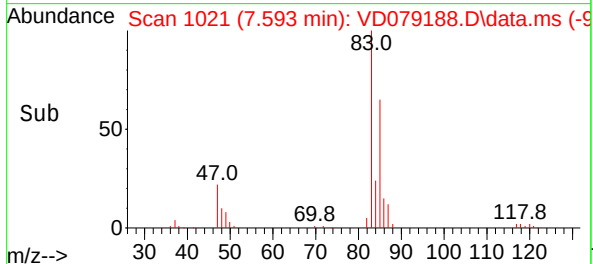
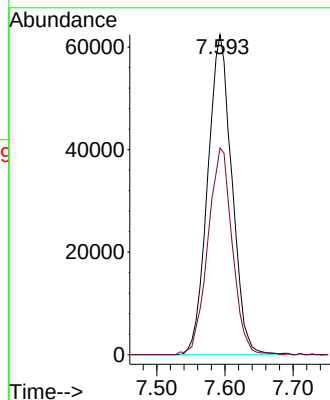
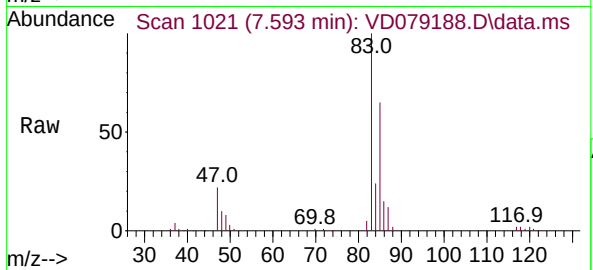




#25  
Chloroform  
Concen: 25.671 ug/L  
RT: 7.593 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

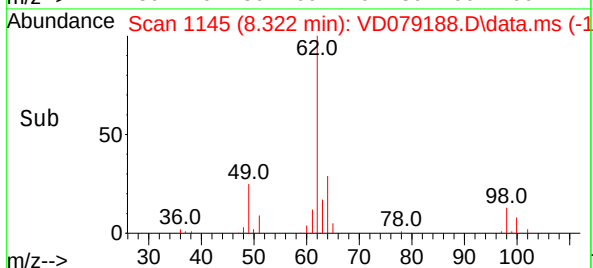
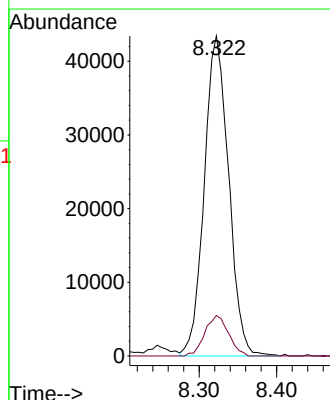
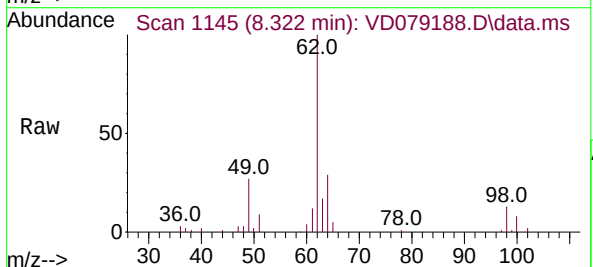
Instrument :  
MSVOA\_D  
ClientSampleId :

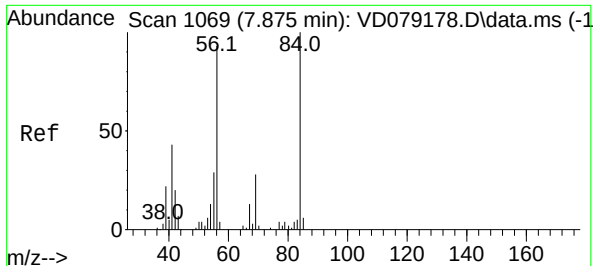
Tgt Ion: 83 Resp: 154118  
Ion Ratio Lower Upper  
83 100  
85 64.6 47.9 89.1



#27  
1,2-Dichloroethane  
Concen: 27.216 ug/L  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Tgt Ion: 62 Resp: 94849  
Ion Ratio Lower Upper  
62 100  
98 12.7 8.2 12.4#





#29

Cyclohexane

Concen: 25.798 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

Instrument :

MSVOA\_D

ClientSampleId :

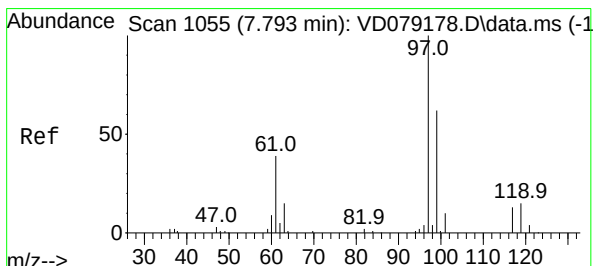
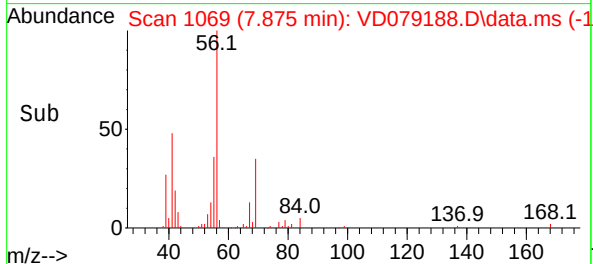
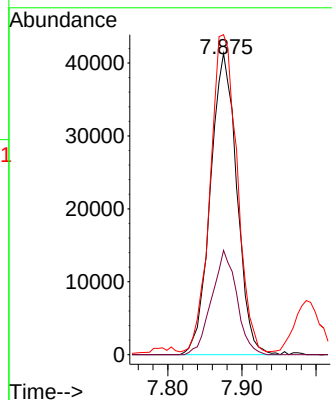
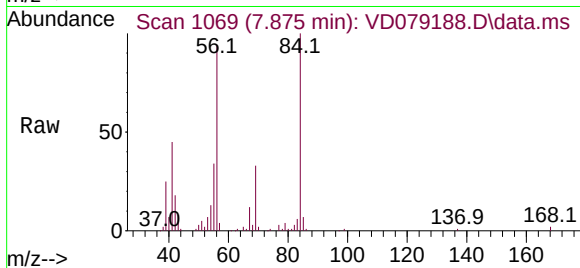
Tgt Ion: 56 Resp: 102202

Ion Ratio Lower Upper

56 100

69 32.8 26.6 40.0

84 108.2 87.5 131.3



#30

1,1,1-Trichloroethane

Concen: 24.387 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

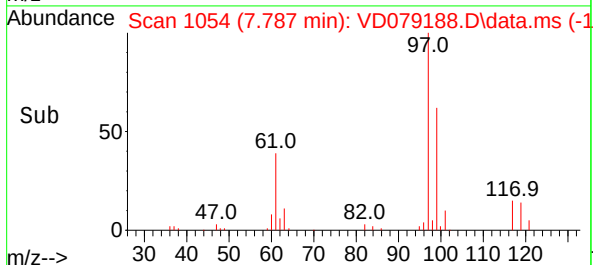
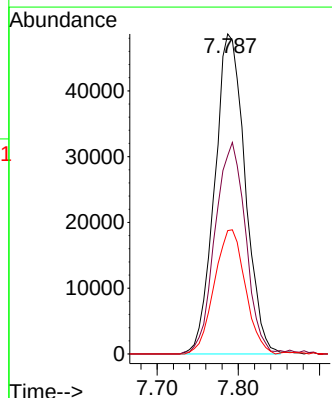
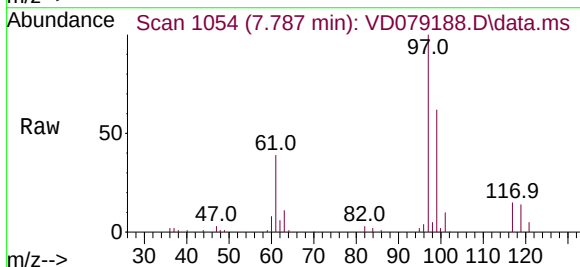
Tgt Ion: 97 Resp: 126774

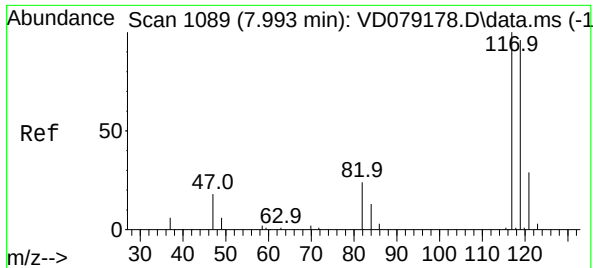
Ion Ratio Lower Upper

97 100

99 66.2 52.3 78.5

61 39.5 31.7 47.5

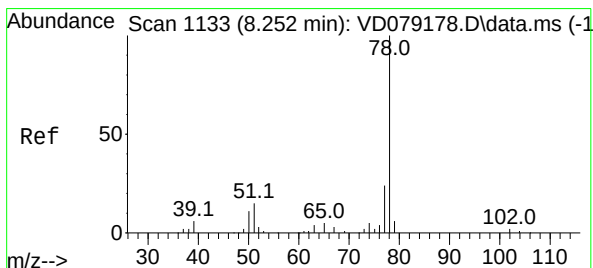
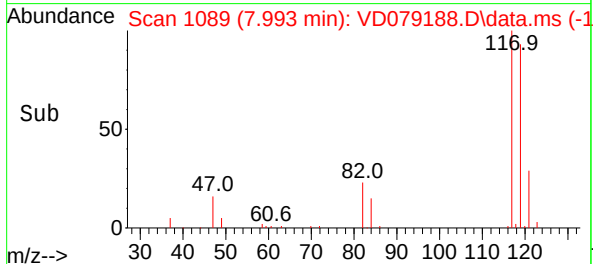
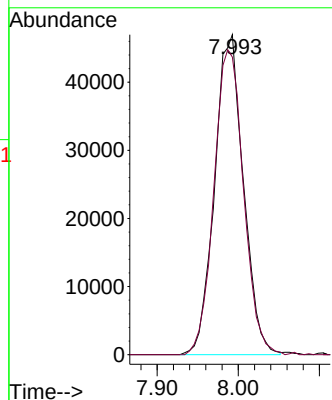
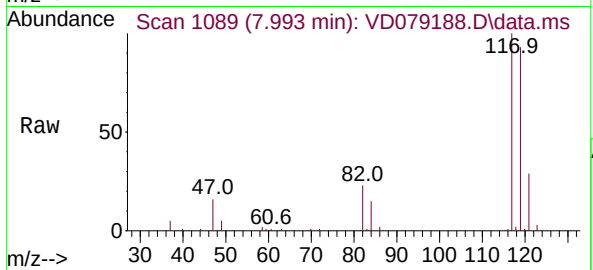




#31  
Carbon tetrachloride  
Concen: 23.962 ug/L  
RT: 7.993 min Scan# 1107  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

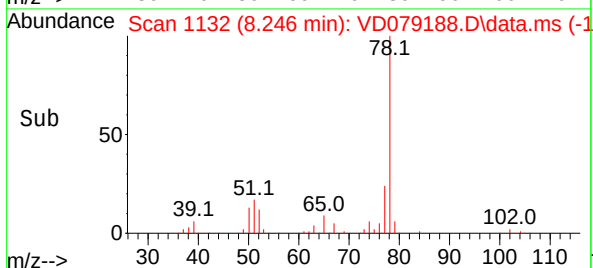
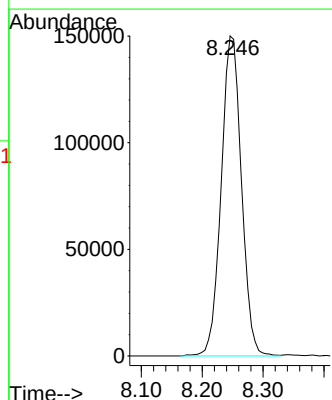
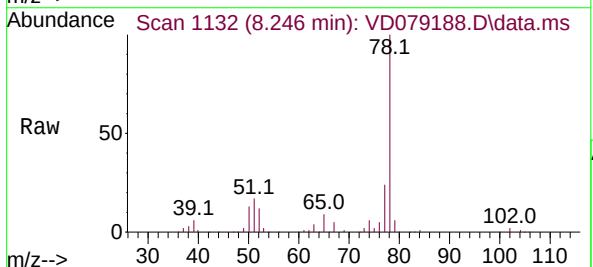
Instrument :  
MSVOA\_D  
ClientSampleId :

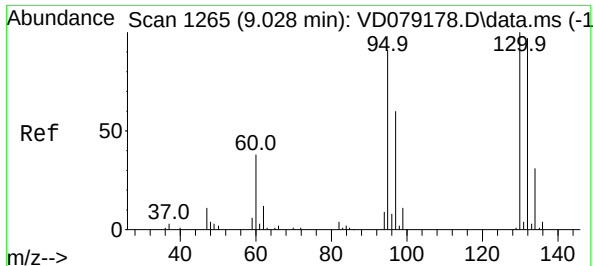
Tgt Ion:117 Resp: 115756  
Ion Ratio Lower Upper  
117 100  
119 98.0 79.6 119.4



#33  
Benzene  
Concen: 26.545 ug/L  
RT: 8.246 min Scan# 1132  
Delta R.T. -0.006 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Tgt Ion: 78 Resp: 347146





#34

Trichloroethene

Concen: 25.632 ug/L

RT: 9.022 min Scan# 1264

Delta R.T. -0.006 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

Instrument :

MSVOA\_D

ClientSampleId :

Tgt Ion: 95 Resp: 86333

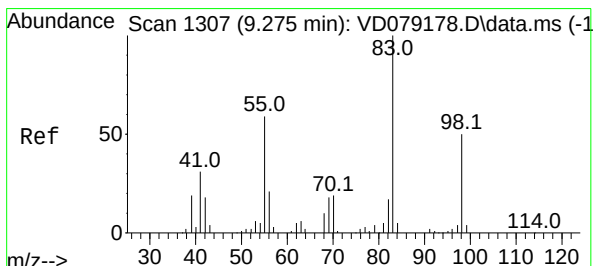
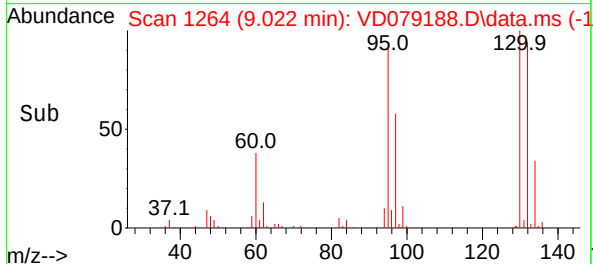
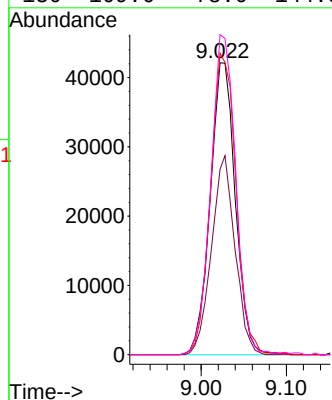
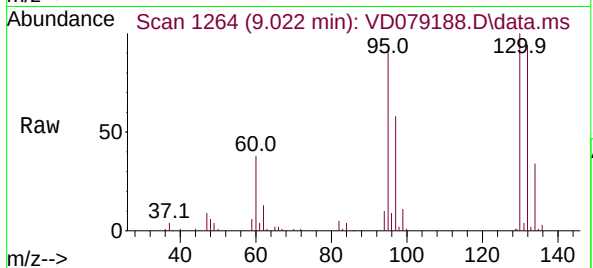
Ion Ratio Lower Upper

95 100

97 63.5 44.6 82.8

132 103.3 74.9 139.1

130 109.6 78.0 144.8



#35

Methylcyclohexane

Concen: 24.746 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

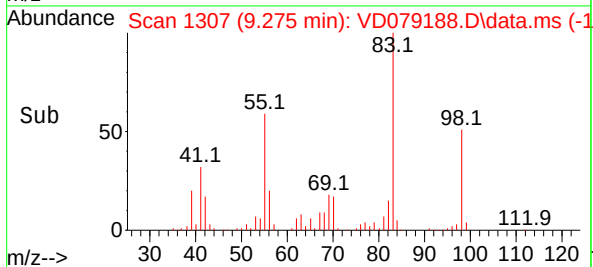
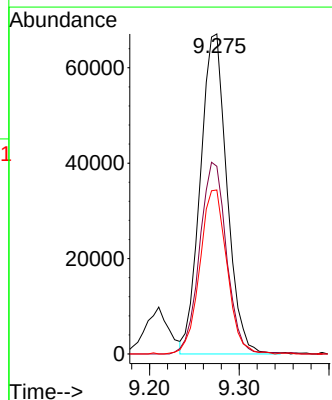
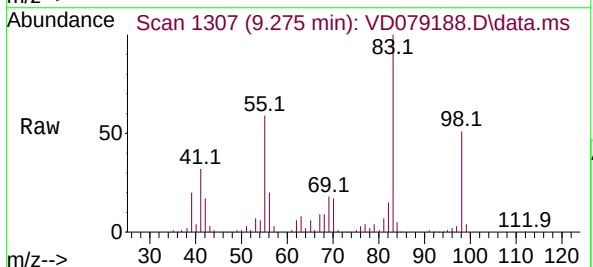
Tgt Ion: 83 Resp: 138108

Ion Ratio Lower Upper

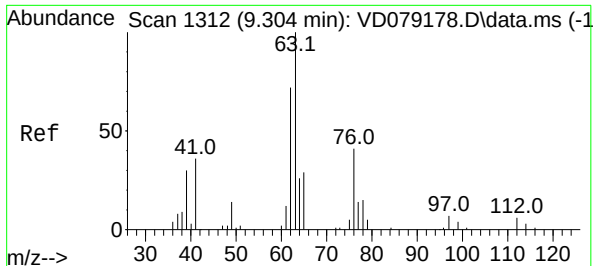
83 100

55 60.4 48.6 72.8

98 52.1 40.2 60.2



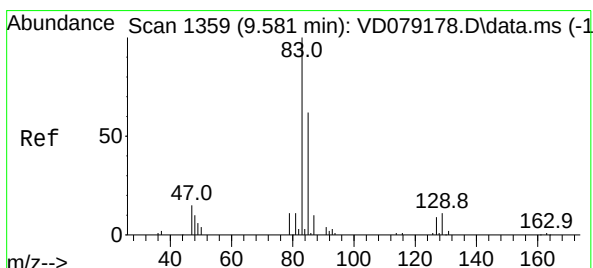
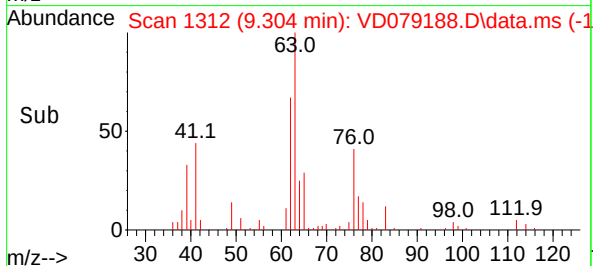
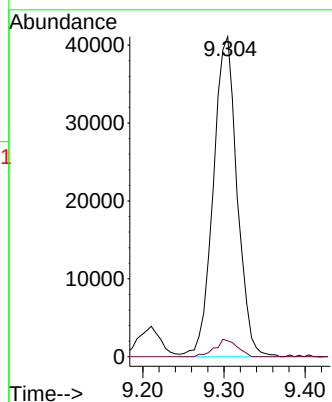
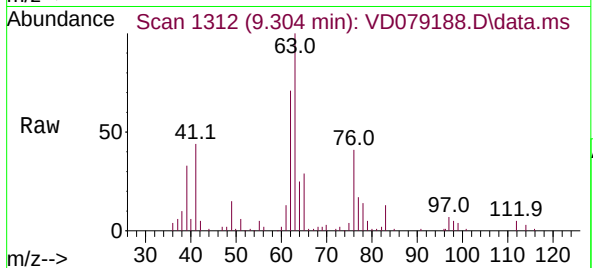




#37  
1,2-Dichloropropane  
Concen: 26.197 ug/L  
RT: 9.304 min Scan# 1312  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

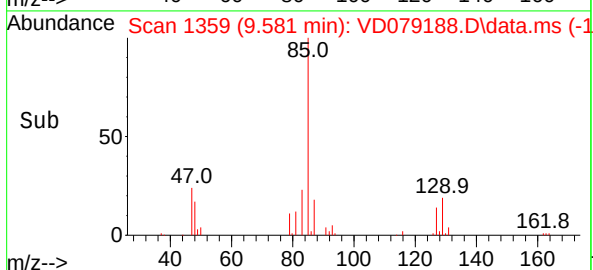
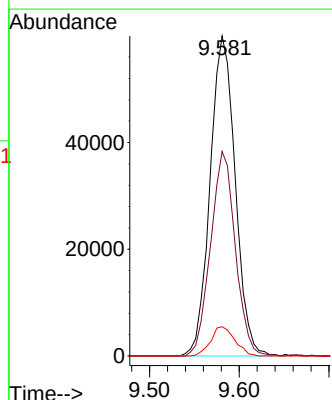
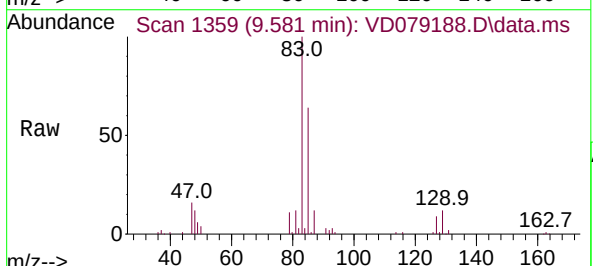
Instrument :  
MSVOA\_D  
ClientSampleId :

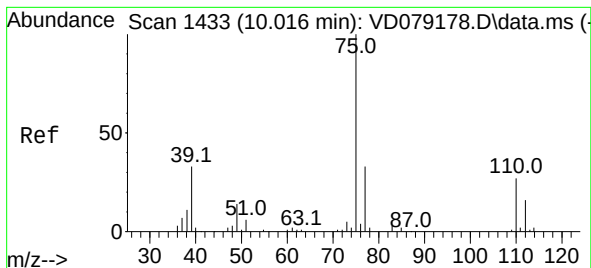
Tgt Ion: 63 Resp: 83916  
Ion Ratio Lower Upper  
63 100  
112 5.0 3.9 5.9



#38  
Bromodichloromethane  
Concen: 26.183 ug/L  
RT: 9.581 min Scan# 1359  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Tgt Ion: 83 Resp: 116591  
Ion Ratio Lower Upper  
83 100  
85 63.9 46.5 86.5  
127 9.1 7.0 10.6

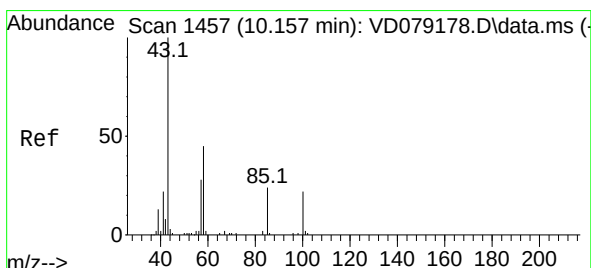
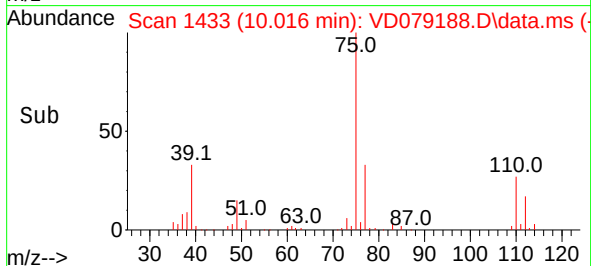
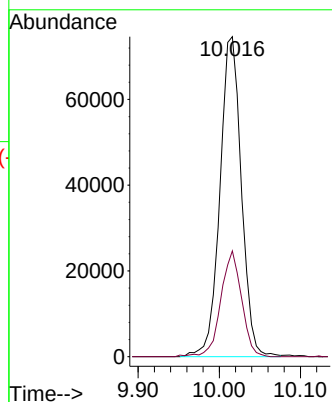
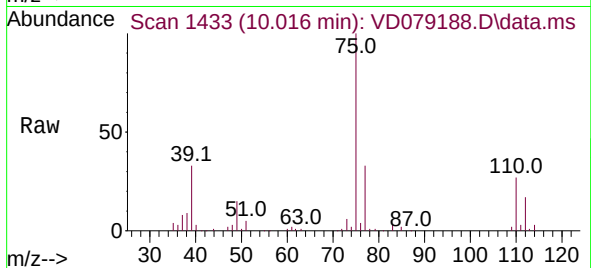




#39  
 cis-1,3-Dichloropropene  
 Concen: 27.439 ug/L  
 RT: 10.016 min Scan# 1433  
 Delta R.T. -0.000 min  
 Lab File: VD079188.D  
 Acq: 14 Jun 2024 11:04

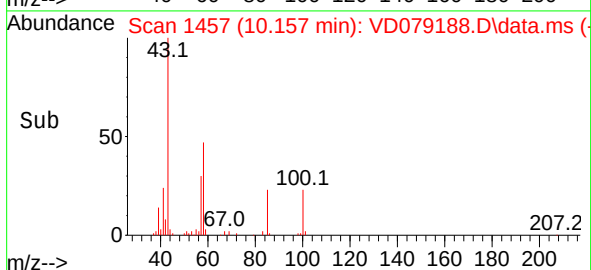
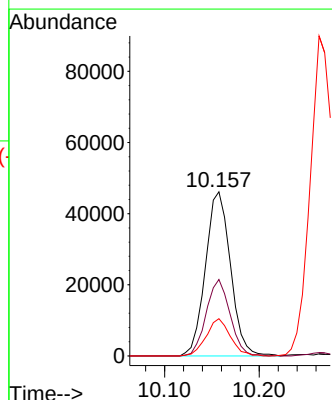
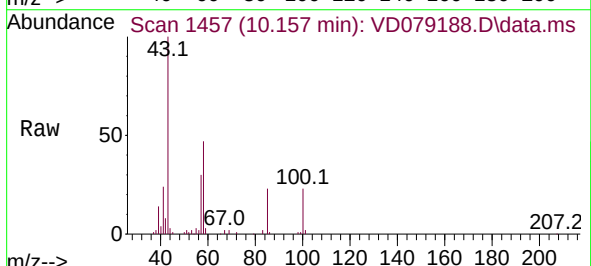
Instrument :  
 MSVOA\_D  
 ClientSampleId :

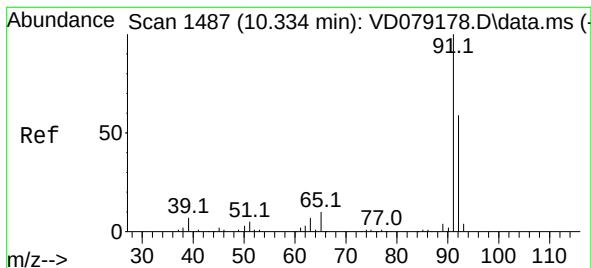
Tgt Ion: 75 Resp: 137207  
 Ion Ratio Lower Upper  
 75 100  
 77 33.1 23.4 43.4



#40  
 4-Methyl-2-pentanone  
 Concen: 63.488 ug/L  
 RT: 10.157 min Scan# 1457  
 Delta R.T. -0.000 min  
 Lab File: VD079188.D  
 Acq: 14 Jun 2024 11:04

Tgt Ion: 43 Resp: 84894  
 Ion Ratio Lower Upper  
 43 100  
 58 44.0 34.0 51.0  
 100 21.8 16.9 25.3





#42

Toluene

Concen: 26.976 ug/L

RT: 10.328 min Scan# 1486

Delta R.T. -0.006 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

Instrument :

MSVOA\_D

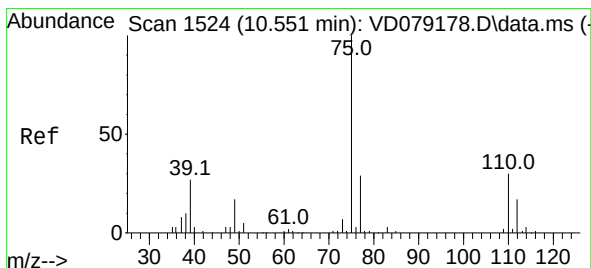
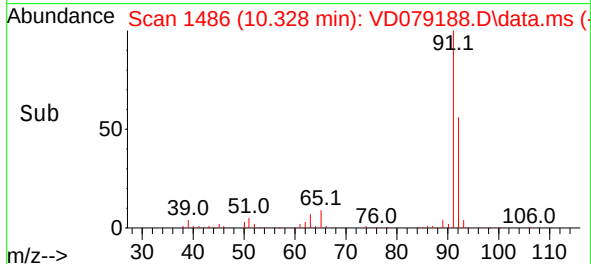
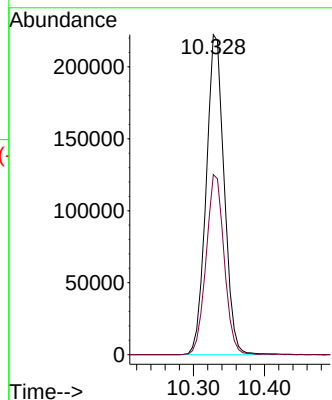
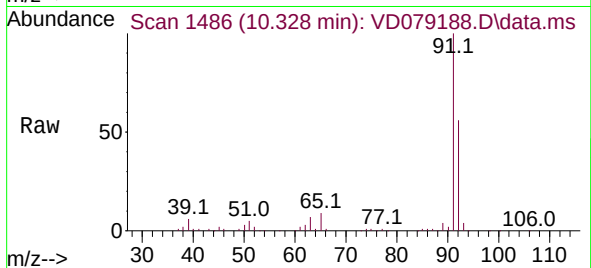
ClientSampleId :

Tgt Ion: 91 Resp: 391732

Ion Ratio Lower Upper

91 100

92 56.3 38.9 72.3



#44

trans-1,3-Dichloropropene

Concen: 28.555 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD079188.D

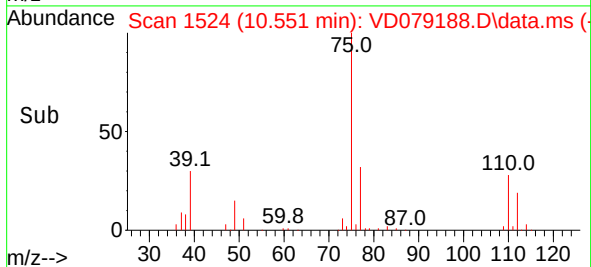
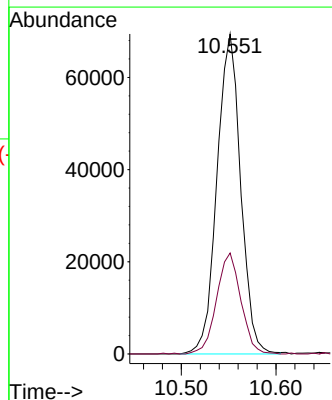
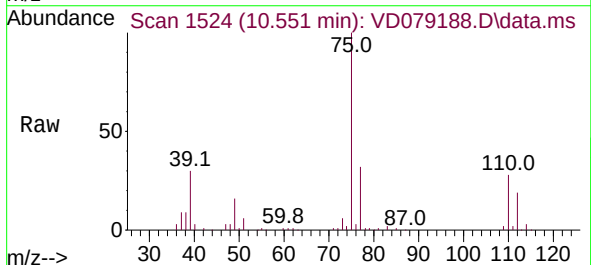
Acq: 14 Jun 2024 11:04

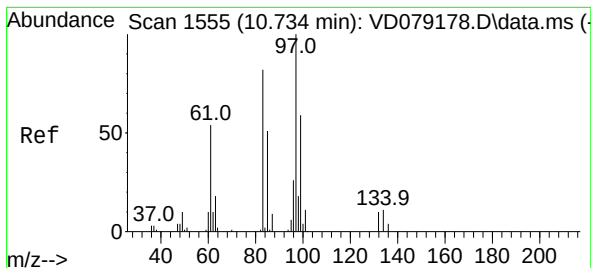
Tgt Ion: 75 Resp: 120744

Ion Ratio Lower Upper

75 100

77 31.6 24.3 45.1





#45

1,1,2-Trichloroethane

Concen: 26.929 ug/L

RT: 10.728 min Scan# 1554

Delta R.T. -0.006 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

Instrument :

MSVOA\_D

ClientSampleId :

Tgt Ion: 97 Resp: 75677

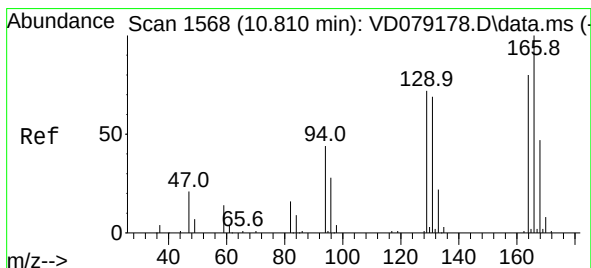
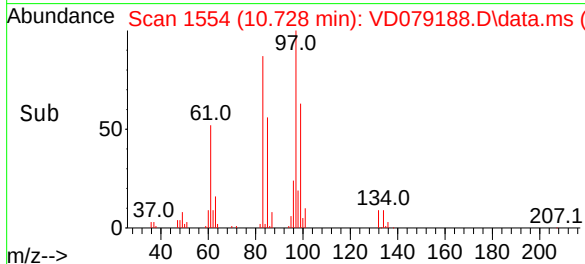
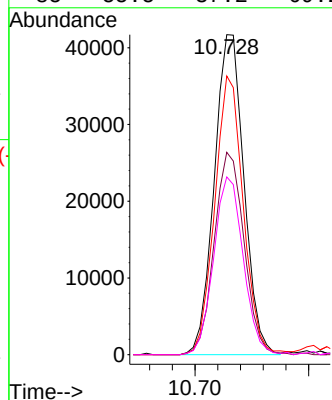
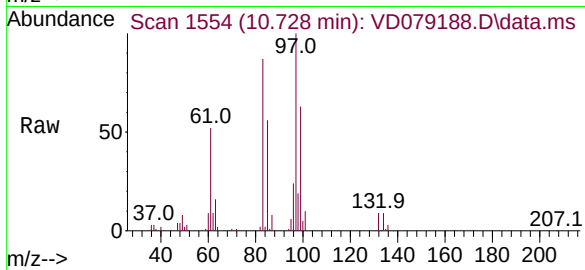
Ion Ratio Lower Upper

97 100

99 63.3 43.0 79.8

83 87.1 58.9 109.5

85 55.5 37.2 69.2



#46

Tetrachloroethene

Concen: 24.765 ug/L

RT: 10.804 min Scan# 1567

Delta R.T. -0.006 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

Tgt Ion:164 Resp: 73446

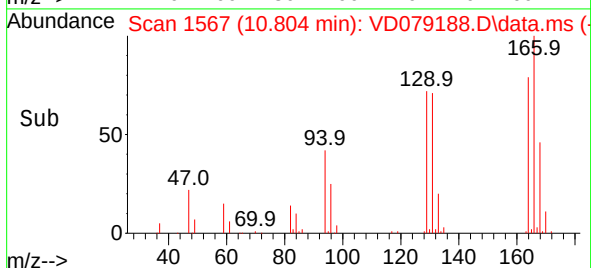
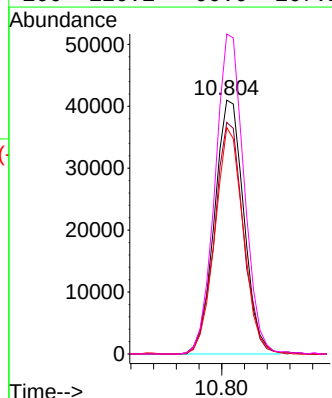
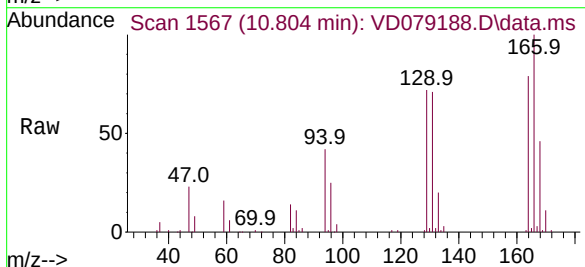
Ion Ratio Lower Upper

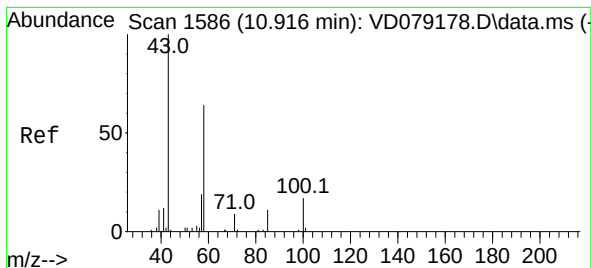
164 100

129 91.2 64.3 119.5

131 89.2 61.2 113.8

166 126.1 90.0 167.2





#48

2-Hexanone

Concen: 69.969 ug/L

RT: 10.916 min Scan# 1586

Delta R.T. -0.000 min

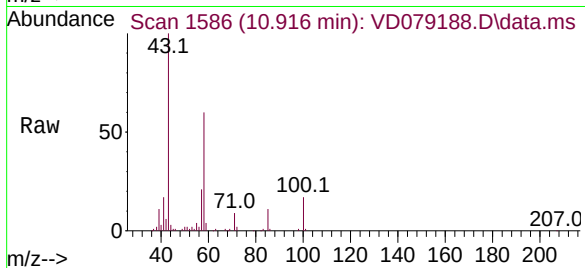
Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 43 Resp: 80960

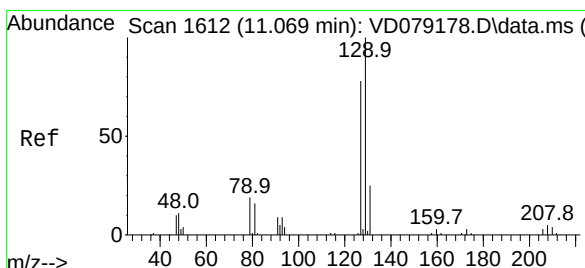
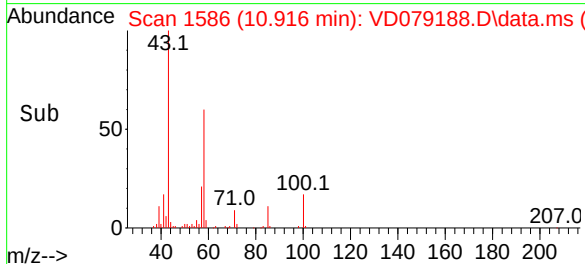
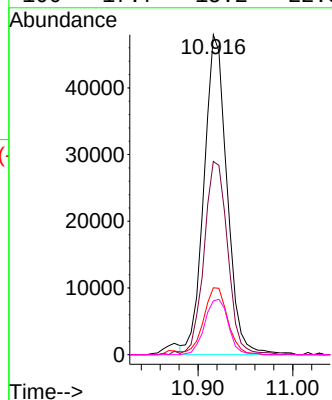
Ion Ratio Lower Upper

43 100

58 61.9 50.1 75.1

57 21.9 16.5 24.7

100 17.7 15.2 22.8



#49

Dibromochloromethane

Concen: 26.247 ug/L

RT: 11.069 min Scan# 1612

Delta R.T. -0.000 min

Lab File: VD079188.D

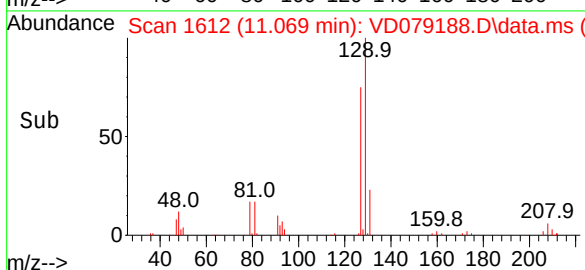
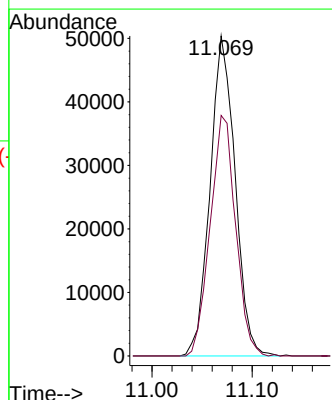
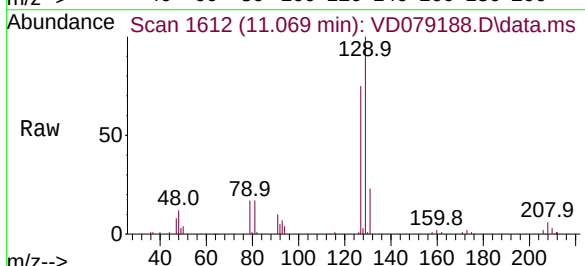
Acq: 14 Jun 2024 11:04

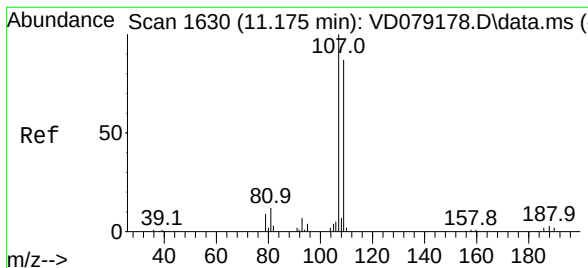
Tgt Ion: 129 Resp: 87346

Ion Ratio Lower Upper

129 100

127 75.1 56.4 104.7





#50

1,2-Dibromoethane

Concen: 27.671 ug/L

RT: 11.175 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079188.D

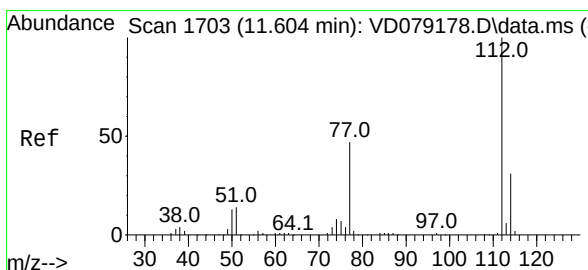
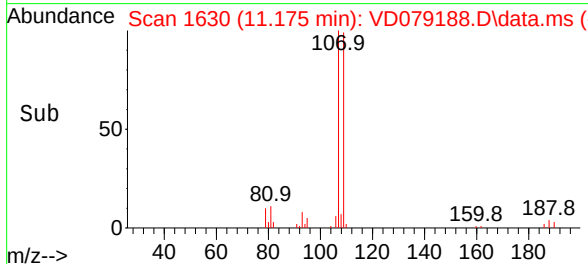
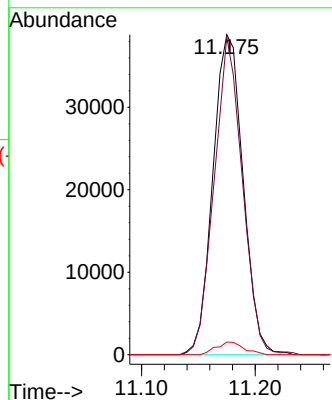
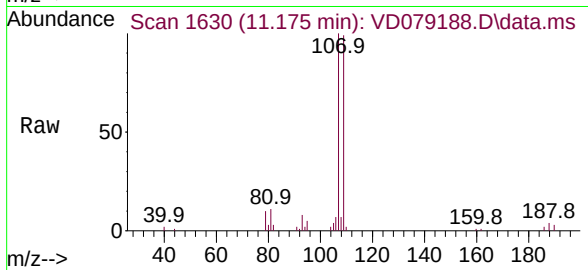
Acq: 14 Jun 2024 11:04

Instrument :

MSVOA\_D

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 71466      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 99.3  | 64.5 119.7 |
| 188         | 4.0   | 2.6 3.8#   |



#51

Chlorobenzene

Concen: 26.510 ug/L

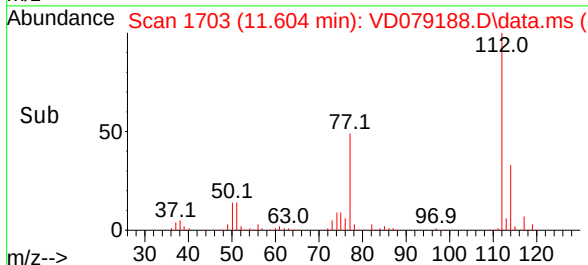
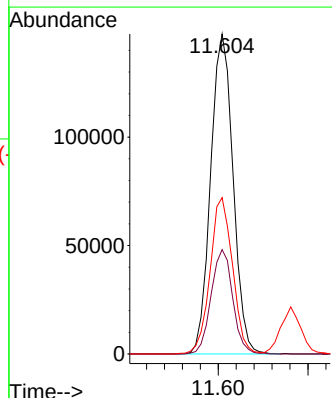
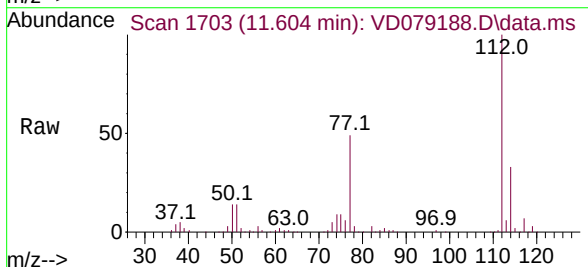
RT: 11.604 min Scan# 1703

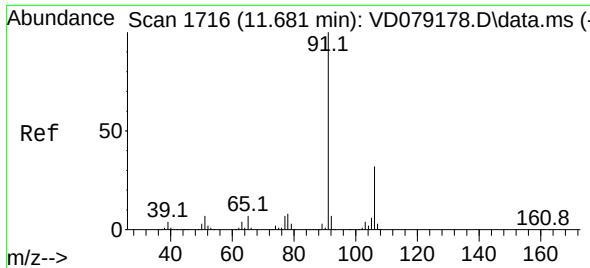
Delta R.T. -0.000 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 256146    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 32.6  | 22.7 42.3 |
| 77          | 48.9  | 38.4 57.6 |

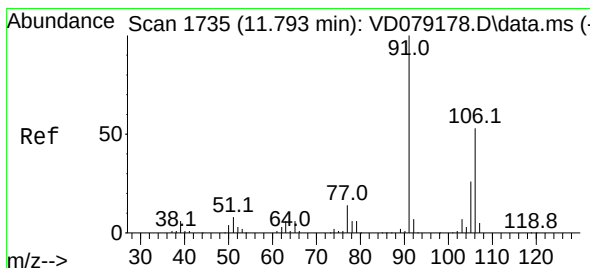
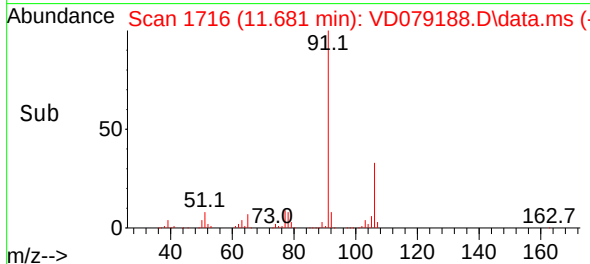
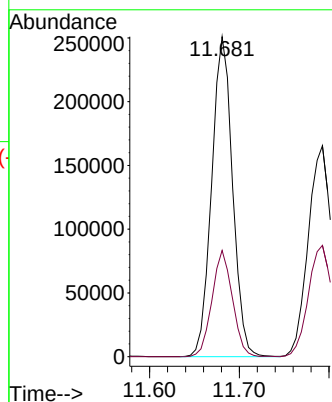
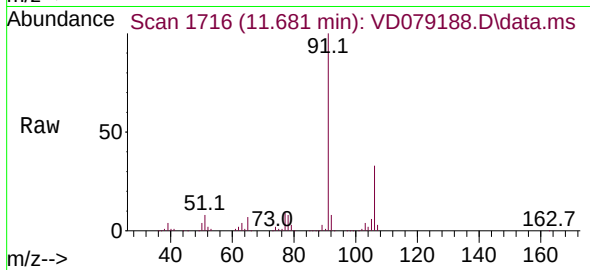




#52  
Ethylbenzene  
Concen: 26.759 ug/L  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

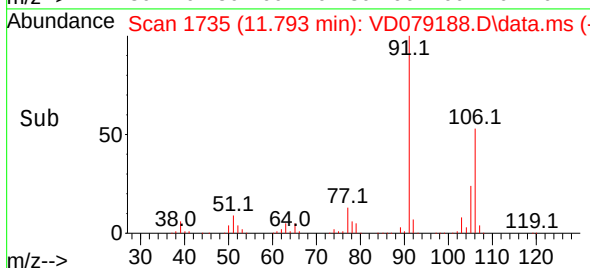
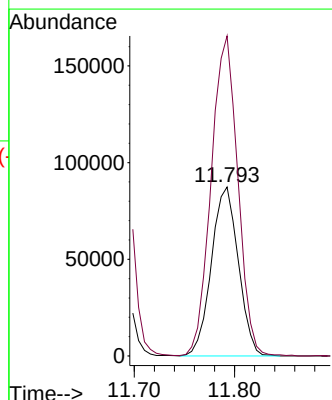
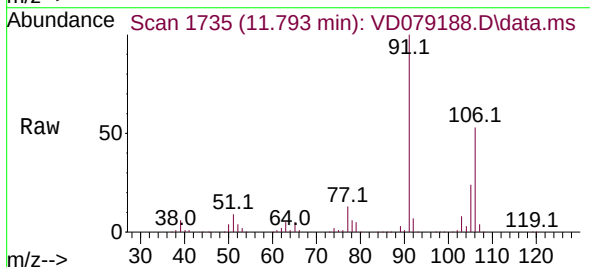
Instrument :  
MSVOA\_D  
ClientSampleId :

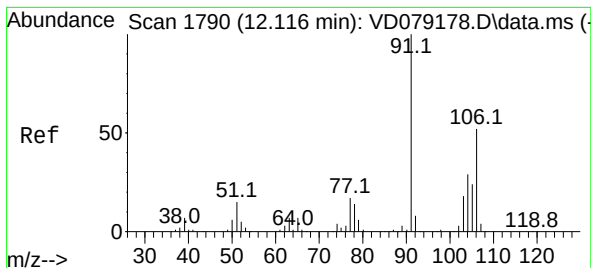
Tgt Ion: 91 Resp: 405329  
Ion Ratio Lower Upper  
91 100  
106 33.2 22.3 41.5



#53  
m,p-Xylene  
Concen: 27.478 ug/L  
RT: 11.793 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Tgt Ion:106 Resp: 163301  
Ion Ratio Lower Upper  
106 100  
91 189.4 133.1 247.1





#54

o-Xylene

Concen: 27.237 ug/L

RT: 12.116 min Scan# 1790

Delta R.T. -0.000 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

Instrument :

MSVOA\_D

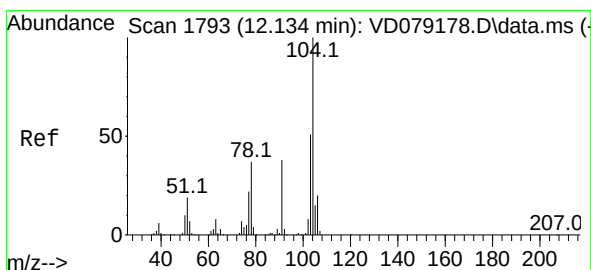
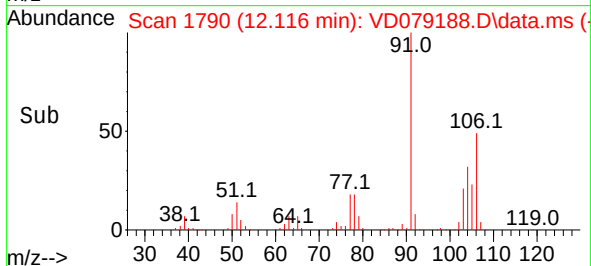
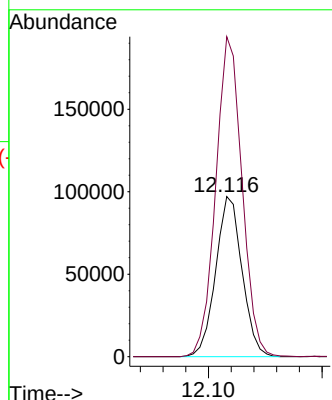
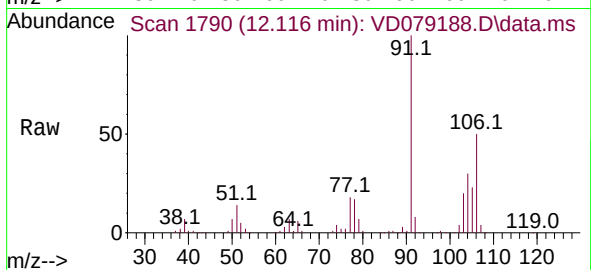
ClientSampleId :

Tgt Ion:106 Resp: 156386

Ion Ratio Lower Upper

106 100

91 199.8 132.9 246.9



#55

Styrene

Concen: 28.382 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VD079188.D

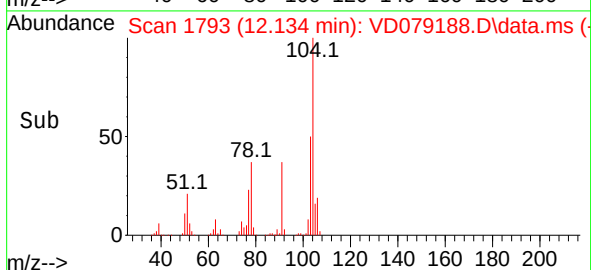
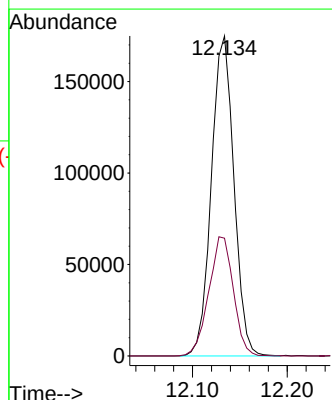
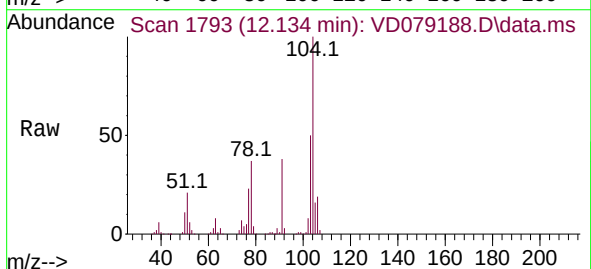
Acq: 14 Jun 2024 11:04

Tgt Ion:104 Resp: 288944

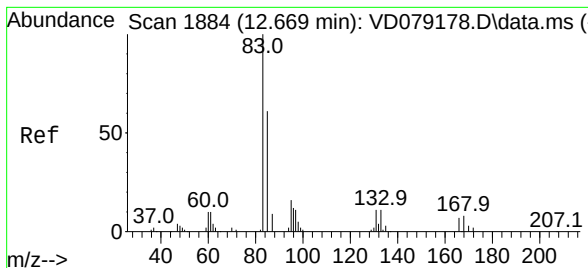
Ion Ratio Lower Upper

104 100

78 36.8 27.8 51.6







#57

1,1,2,2-Tetrachloroethane

Concen: 28.155 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VD079188.D

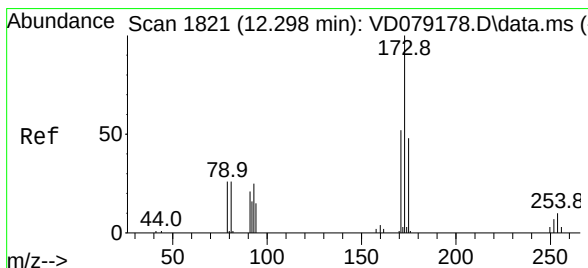
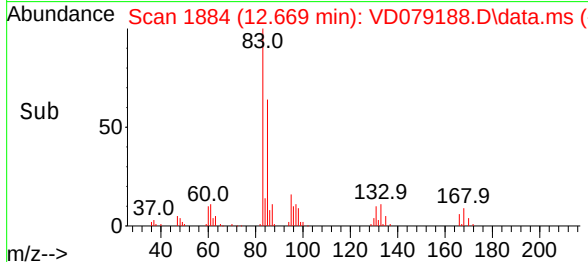
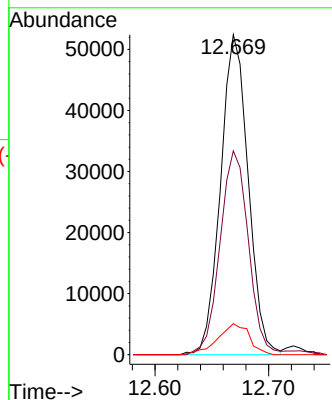
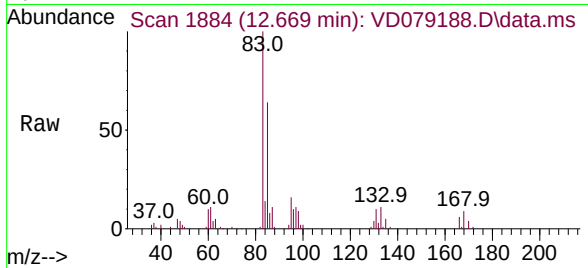
Acq: 14 Jun 2024 11:04

Instrument :

MSVOA\_D

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 88565 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 63.7  | 47.5  | 88.1  |
| 131       | 9.7   | 8.6   | 13.0  |



#59

Bromoform

Concen: 26.195 ug/L

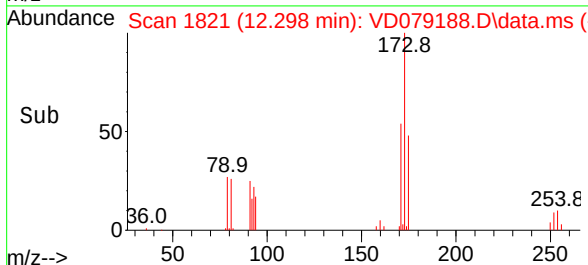
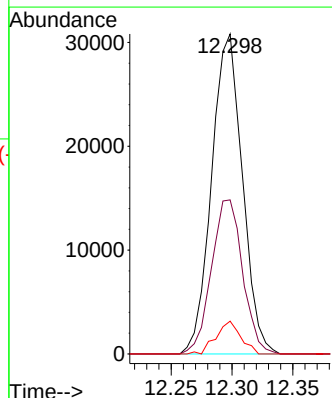
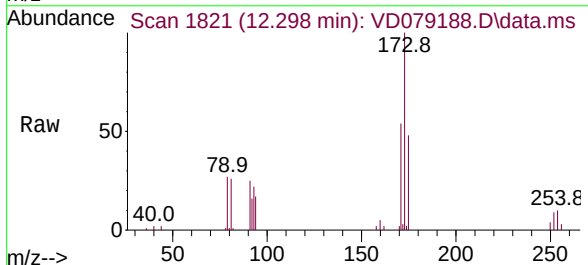
RT: 12.298 min Scan# 1821

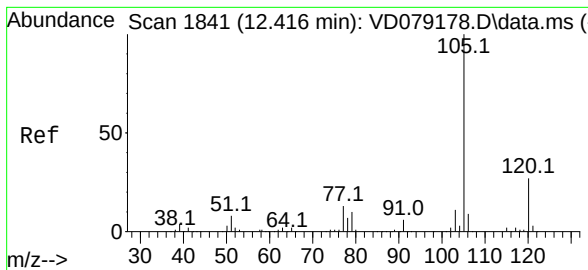
Delta R.T. -0.000 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 54196 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.8  | 38.2  | 57.4  |
| 254       | 8.1   | 7.0   | 10.6  |

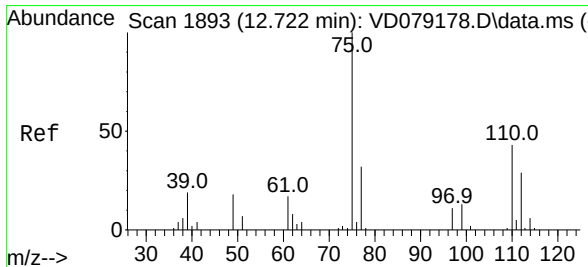
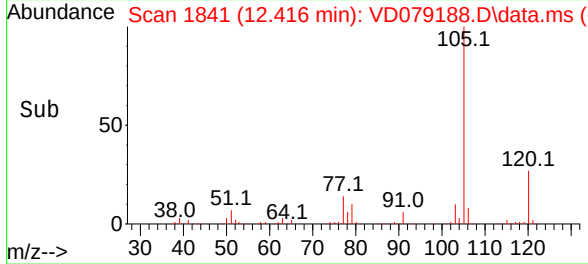
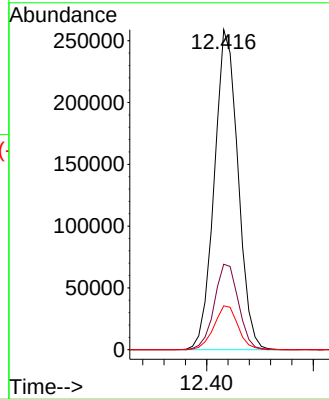
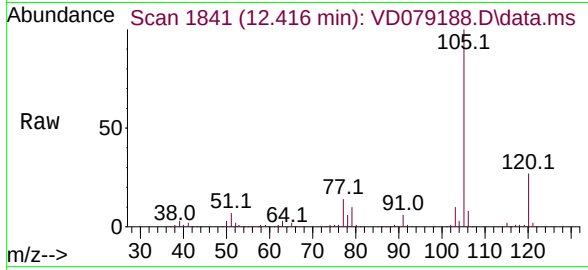




#60  
Isopropylbenzene  
Concen: 26.742 ug/L  
RT: 12.416 min Scan# 1841  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

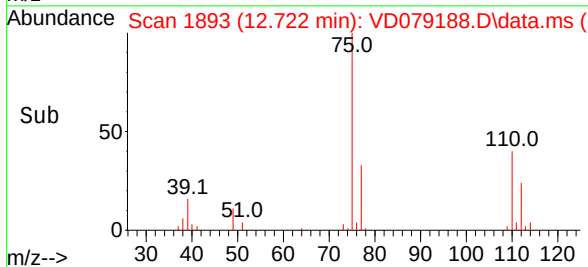
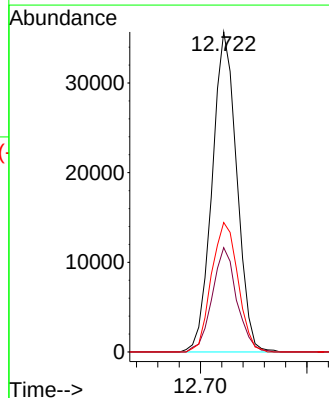
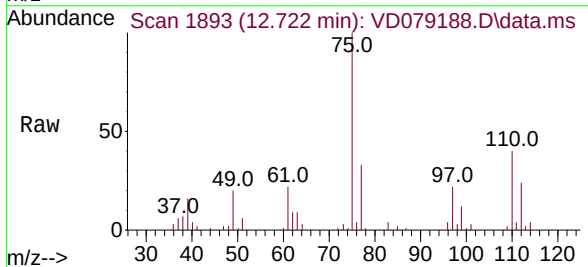
Instrument :  
MSVOA\_D  
ClientSampleId :

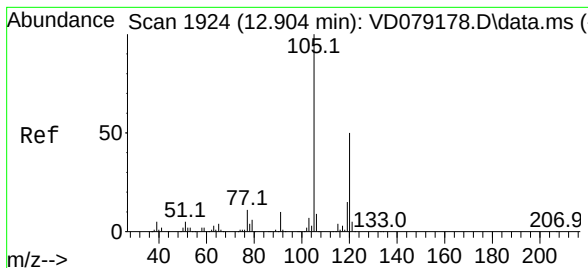
Tgt Ion:105 Resp: 399170  
Ion Ratio Lower Upper  
105 100  
120 27.2 21.9 32.9  
77 13.9 10.9 16.3



#61  
1,2,3-Trichloropropane  
Concen: 28.772 ug/L  
RT: 12.722 min Scan# 1893  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Tgt Ion: 75 Resp: 57343  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.9 38.9  
110 43.5 34.2 51.4

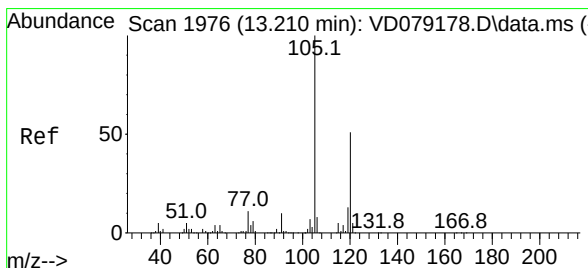
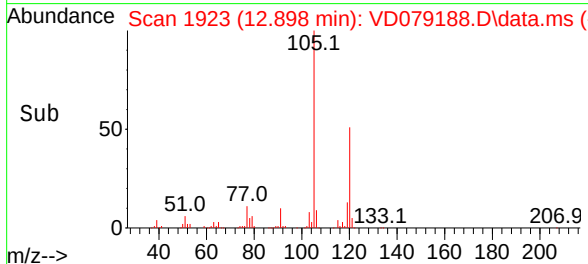
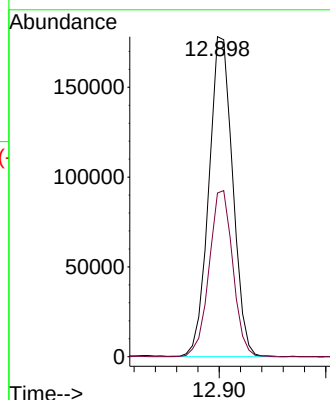
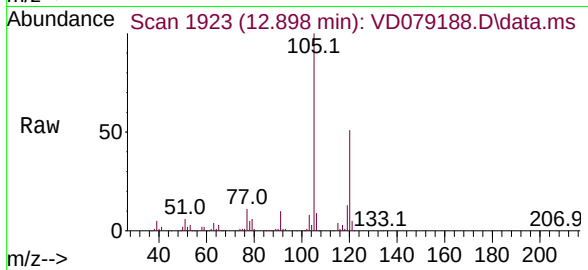




#62  
1,3,5-Trimethylbenzene  
Concen: 27.154 ug/L  
RT: 12.898 min Scan# 1923  
Delta R.T. -0.006 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

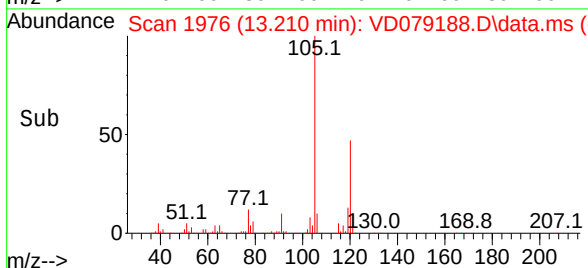
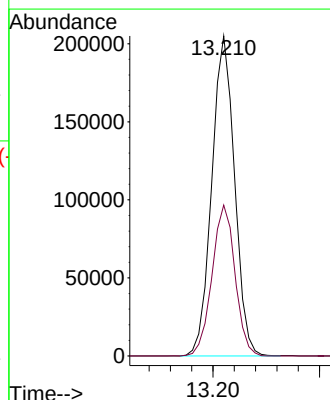
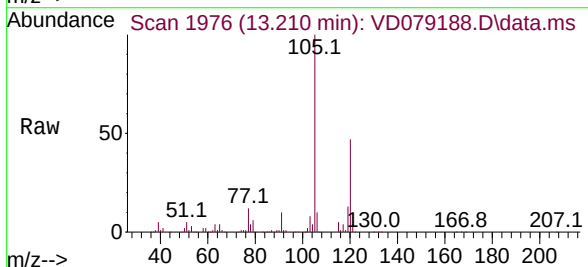
Instrument :  
MSVOA\_D  
ClientSampleId :

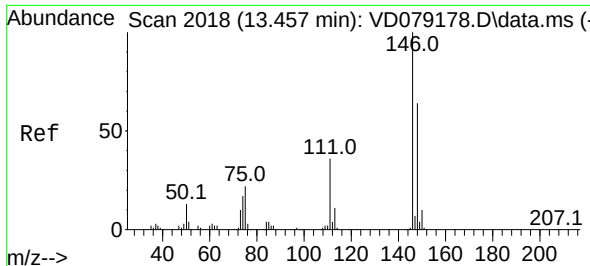
Tgt Ion:105 Resp: 277127  
Ion Ratio Lower Upper  
105 100  
120 51.5 40.7 61.1



#63  
1,2,4-Trimethylbenzene  
Concen: 27.844 ug/L  
RT: 13.210 min Scan# 1976  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Tgt Ion:105 Resp: 303938  
Ion Ratio Lower Upper  
105 100  
120 47.5 38.0 57.0

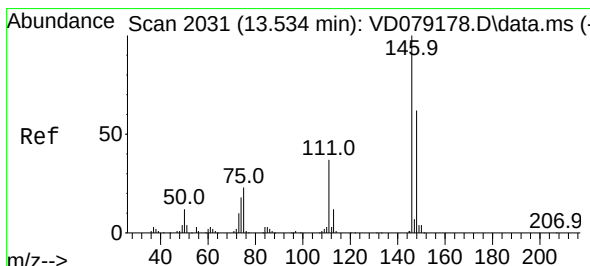
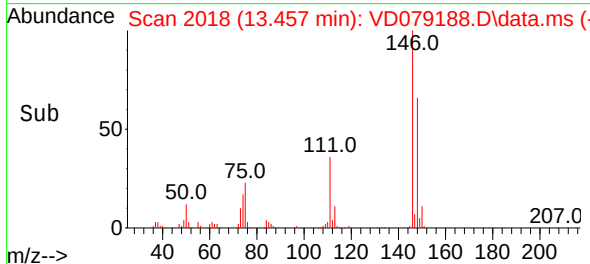
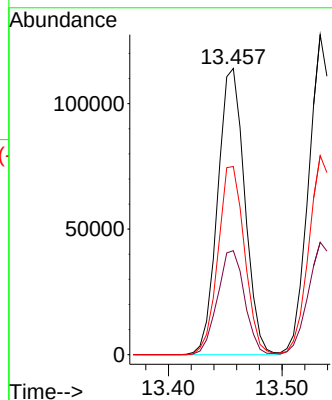
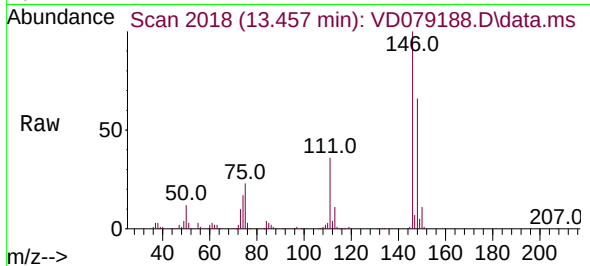




#64  
1,3-Dichlorobenzene  
Concen: 26.322 ug/L  
RT: 13.457 min Scan# 2018  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

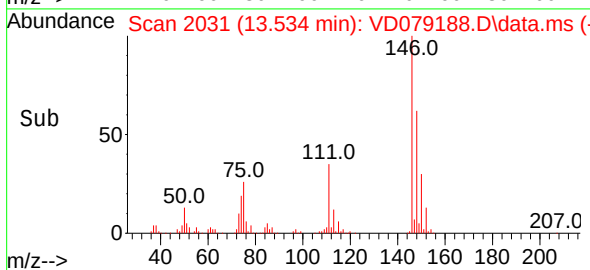
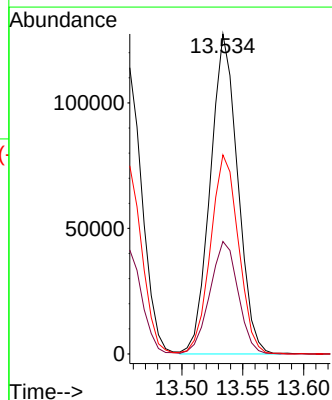
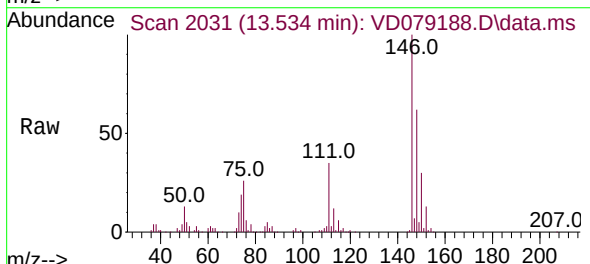
Instrument :  
MSVOA\_D  
ClientSampleId :

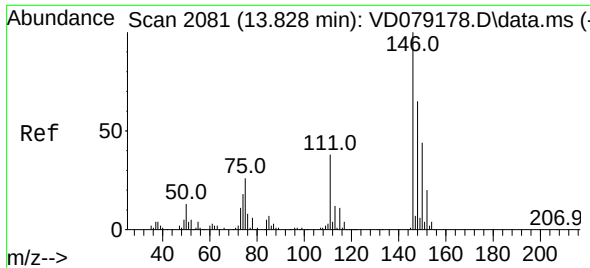
Tgt Ion:146 Resp: 188747  
Ion Ratio Lower Upper  
146 100  
111 36.4 24.4 45.4  
148 65.7 44.9 83.3



#65  
1,4-Dichlorobenzene  
Concen: 26.309 ug/L  
RT: 13.534 min Scan# 2031  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Tgt Ion:146 Resp: 199888  
Ion Ratio Lower Upper  
146 100  
111 35.1 26.3 48.9  
148 62.2 43.1 80.1





#67

1,2-Dichlorobenzene

Concen: 26.628 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

Instrument :

MSVOA\_D

ClientSampleId :

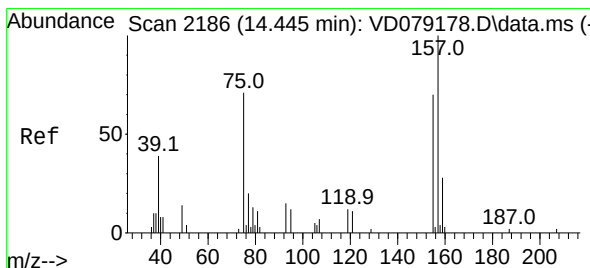
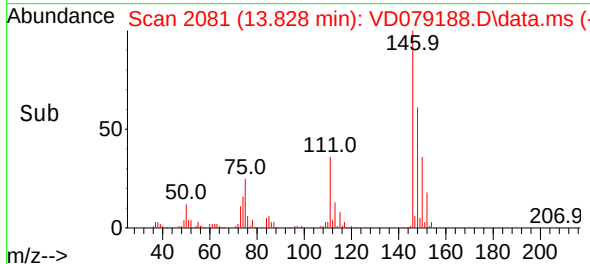
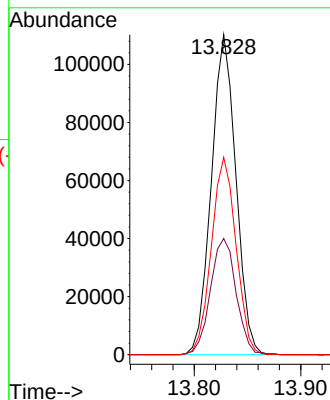
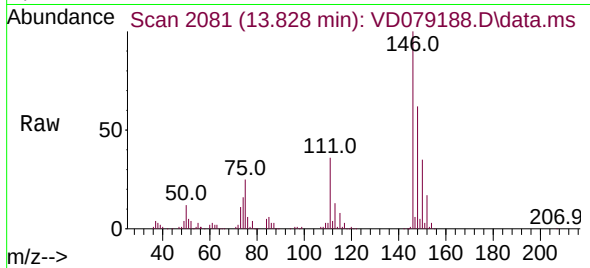
Tgt Ion:146 Resp: 176514

Ion Ratio Lower Upper

146 100

111 36.3 29.1 43.7

148 61.6 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 29.524 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.000 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

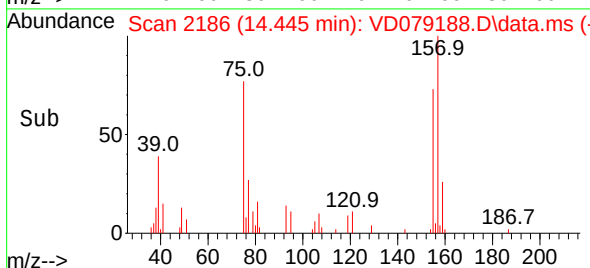
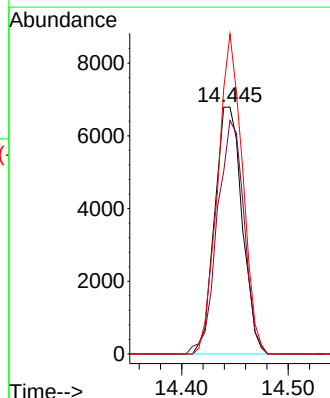
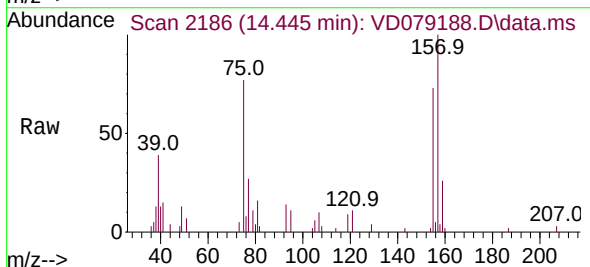
Tgt Ion: 75 Resp: 12096

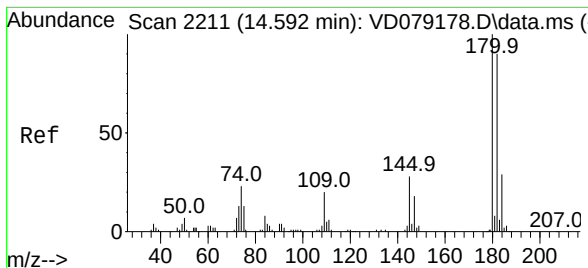
Ion Ratio Lower Upper

75 100

155 94.5 68.1 102.1

157 129.6 91.6 137.4





#69

1,3,5-Trichlorobenzene

Concen: 25.742 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. -0.000 min MSVOA\_D

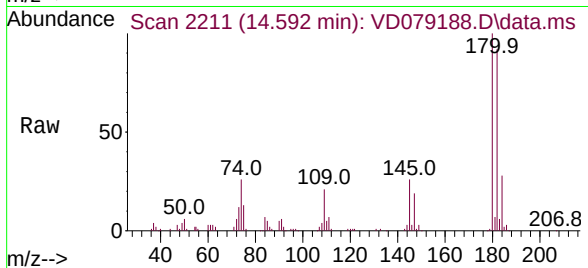
Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion:180 Resp: 116418

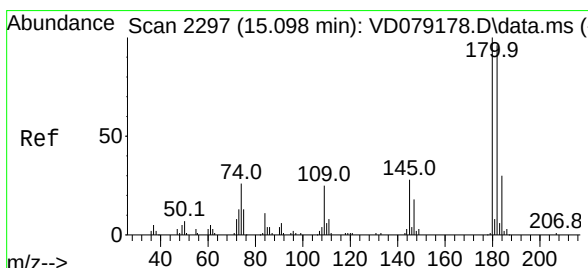
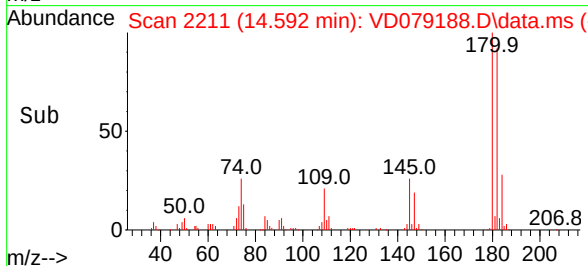
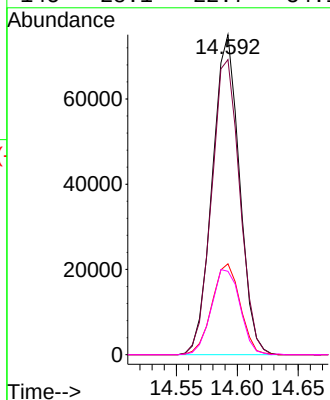
Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

184 29.6 23.3 34.9

145 28.1 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 26.693 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VD079188.D

Acq: 14 Jun 2024 11:04

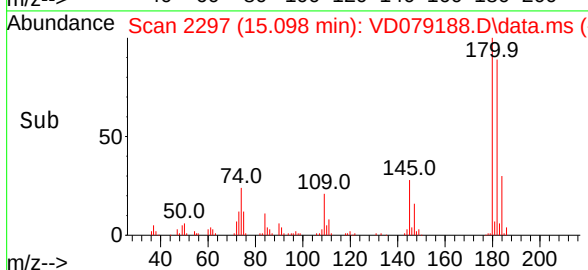
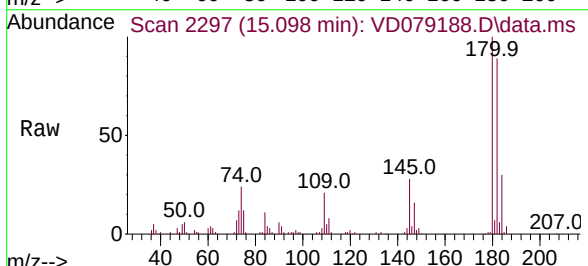
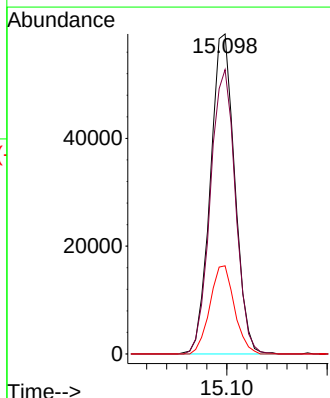
Tgt Ion:180 Resp: 100262

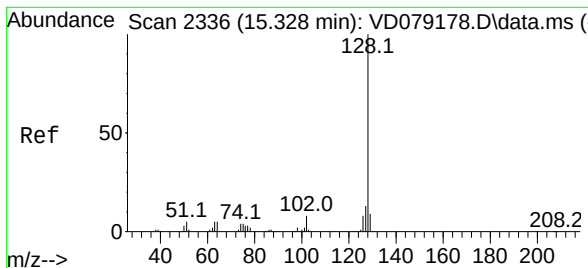
Ion Ratio Lower Upper

180 100

182 91.0 73.8 110.6

145 27.7 22.3 33.5

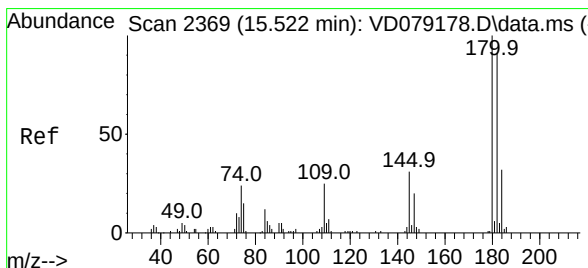
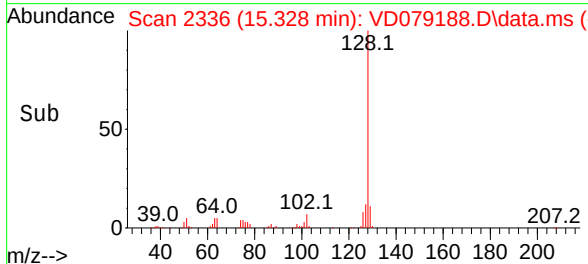
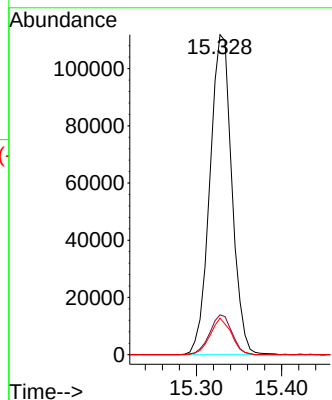
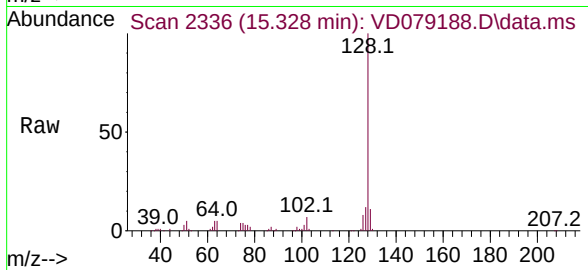




#71  
Naphthalene  
Concen: 28.540 ug/L  
RT: 15.328 min Scan# 2336  
Delta R.T. -0.000 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 200481  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.8 16.2  
129 11.0 8.5 12.7



#72  
1,2,3-Trichlorobenzene  
Concen: 27.858 ug/L  
RT: 15.516 min Scan# 2368  
Delta R.T. -0.006 min  
Lab File: VD079188.D  
Acq: 14 Jun 2024 11:04

Tgt Ion:180 Resp: 90435  
Ion Ratio Lower Upper  
180 100  
182 96.2 79.4 119.2  
145 31.4 24.7 37.1

