

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061124\  
 Data File : VD079163.D  
 Acq On : 11 Jun 2024 15:09  
 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 12 01:00:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Jun 11 02:46:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 192682   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 191331   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 96235    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.276  | 65    | 106736   | 18.001   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 72.000%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 111051   | 19.369   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 77.480%  |
| 11) 1,1-Dichloroethene-d2     | 3.911  | 65    | 19993    | 18.994   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 75.960%  |
| 21) 2-Butanone-d5             | 6.987  | 46    | 26387    | 58.182   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 116.360% |
| 24) Chloroform-d              | 7.569  | 84    | 120831   | 22.428   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 89.720%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 57299    | 23.055   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 92.240%  |
| 32) Benzene-d6                | 8.199  | 84    | 239659   | 22.595   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.400%  |
| 36) 1,2-Dichloropropane-d6    | 9.205  | 67    | 69763    | 22.833   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 91.320%  |
| 41) Toluene-d8                | 10.269 | 98    | 220076   | 22.160   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 88.640%  |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 30329    | 23.617   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 94.480%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 24010    | 60.787   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 121.580% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.646 | 84    | 69067    | 25.521   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.080% |
| 66) 1,2-Dichlorobenzene-d4    | 13.810 | 152   | 76302    | 22.974   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 91.880%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 61723    | 20.236   | ug/L   | 100      |
| 3) Chloromethane              | 2.146  | 50    | 107111   | 26.347   | ug/L   | 95       |
| 5) Vinyl chloride             | 2.281  | 62    | 151993   | 22.652   | ug/L   | 95       |
| 6) Bromomethane               | 2.693  | 94    | 118860   | 22.945   | ug/L   | 99       |
| 8) Chloroethane               | 2.834  | 64    | 113028   | 22.983   | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 3.170  | 101   | 115350   | 22.567   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.970  | 101   | 75303    | 24.568   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 63861    | 23.932   | ug/L   | 90       |
| 14) Carbon disulfide          | 4.270  | 76    | 206384   | 22.171   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.564  | 43    | 27233    | 30.442   | ug/L   | 92       |
| 16) Methylene chloride        | 4.799  | 84    | 91894    | 26.766   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 5.311  | 96    | 72364    | 25.093   | ug/L   | 87       |
| 18) Methyl tert-butyl Ether   | 5.317  | 73    | 147816   | 28.901   | ug/L   | # 90     |
| 19) 1,1-Dichloroethane        | 6.111  | 63    | 121192   | 26.102   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 82022    | 27.315   | ug/L   | 98       |
| 22) 2-Butanone                | 7.081  | 43    | 42611    | 61.778   | ug/L   | 94       |
| 23) Bromochloromethane        | 7.428  | 128   | 40923    | 26.881   | ug/L   | 91       |
| 25) Chloroform                | 7.593  | 83    | 139659   | 26.493   | ug/L   | 87       |
| 27) 1,2-Dichloroethane        | 8.328  | 62    | 83828    | 27.394   | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061124\  
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 Operator : RP/MD  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

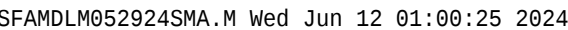
Instrument :  
 MSVOA\_D  
 ClientSampleId :

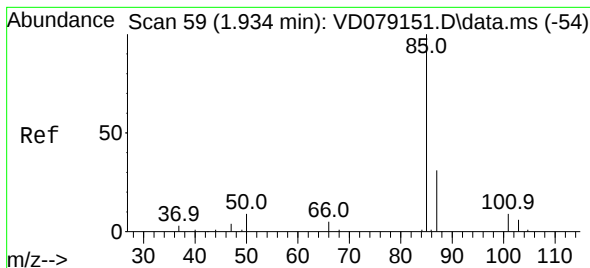
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 Quant Title : SFAM01.0  
 QLast Update : Tue Jun 11 02:46:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 29) Cyclohexane               | 7.875  | 56   | 88975    | 25.774 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 115417   | 25.479 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 105699   | 25.110 | ug/L  | 96       |
| 33) Benzene                   | 8.252  | 78   | 302700   | 26.563 | ug/L  | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 74116    | 25.252 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.275  | 83   | 120337   | 24.744 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.305  | 63   | 74320    | 26.626 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.581  | 83   | 105964   | 27.308 | ug/L  | 93       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 117570   | 26.982 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.158 | 43   | 75550    | 64.838 | ug/L  | 97       |
| 42) Toluene                   | 10.334 | 91   | 340459   | 26.905 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.552 | 75   | 106559   | 28.920 | ug/L  | 93       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 69158    | 28.242 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.805 | 164  | 62401    | 24.146 | ug/L  | 93       |
| 48) 2-Hexanone                | 10.922 | 43   | 63261    | 62.742 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.069 | 129  | 79847    | 27.535 | ug/L  | 89       |
| 50) 1,2-Dibromoethane         | 11.175 | 107  | 63113    | 28.044 | ug/L  | 95       |
| 51) Chlorobenzene             | 11.605 | 112  | 222054   | 26.373 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.681 | 91   | 354090   | 26.826 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.793 | 106  | 142651   | 27.546 | ug/L  | 99       |
| 54) o-Xylene                  | 12.122 | 106  | 138301   | 27.642 | ug/L  | 89       |
| 55) Styrene                   | 12.134 | 104  | 254468   | 28.684 | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 80212    | 29.263 | ug/L  | 93       |
| 59) Bromoform                 | 12.299 | 173  | 47869    | 27.140 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.422 | 105  | 356797   | 28.039 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 52204    | 30.726 | ug/L  | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 239404   | 27.516 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 267686   | 28.766 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 166636   | 27.259 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 174200   | 26.895 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 155375   | 27.495 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.446 | 75   | 10750    | 30.778 | ug/L  | 86       |
| 69) 1,3,5-Trichlorobenzene    | 14.593 | 180  | 101495   | 26.325 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 83328    | 26.024 | ug/L  | 99       |
| 71) Naphthalene               | 15.334 | 128  | 173467   | 28.967 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 78819    | 28.481 | ug/L  | 97       |

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

Quant Time: Jun 12 01:00:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Tue Jun 11 02:46:15 2024  
Response via : Initial Calibration

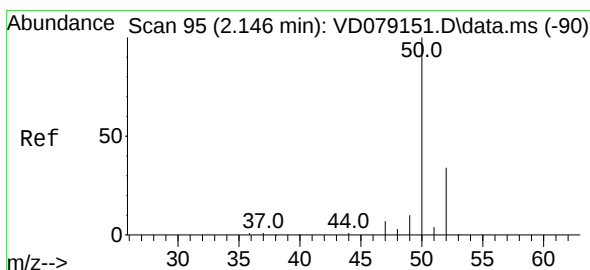
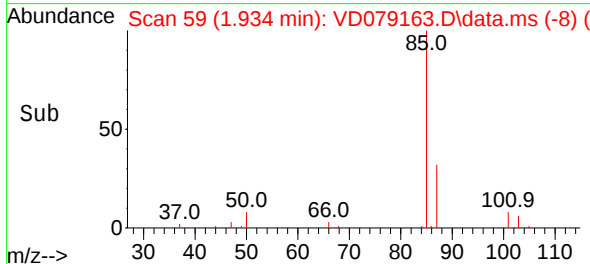
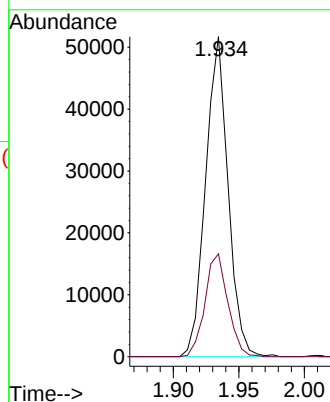
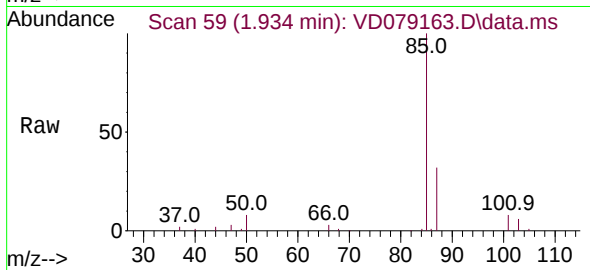




#2  
 Dichlorodifluoromethane  
 Concen: 20.236 ug/L  
 RT: 1.934 min Scan# 59  
 Delta R.T. 0.000 min  
 Lab File: VD079163.D  
 Acq: 11 Jun 2024 15:09

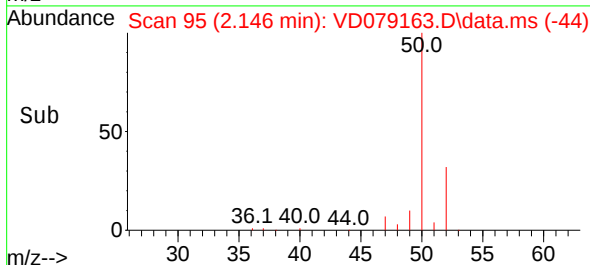
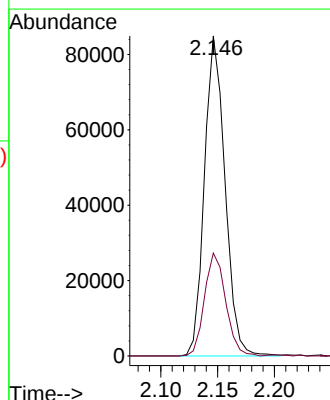
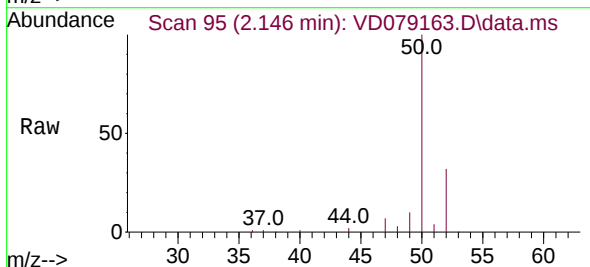
Instrument :  
 MSVOA\_D  
 ClientSampleId :

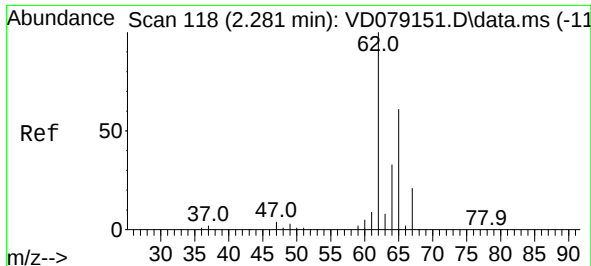
Tgt Ion: 85 Resp: 61723  
 Ion Ratio Lower Upper  
 85 100  
 87 32.7 26.2 39.4



#3  
 Chloromethane  
 Concen: 26.347 ug/L  
 RT: 2.146 min Scan# 95  
 Delta R.T. 0.000 min  
 Lab File: VD079163.D  
 Acq: 11 Jun 2024 15:09

Tgt Ion: 50 Resp: 107111  
 Ion Ratio Lower Upper  
 50 100  
 52 32.1 24.4 45.2

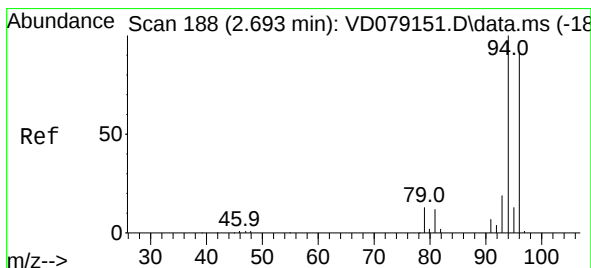
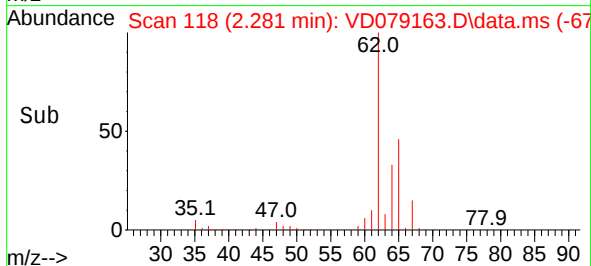
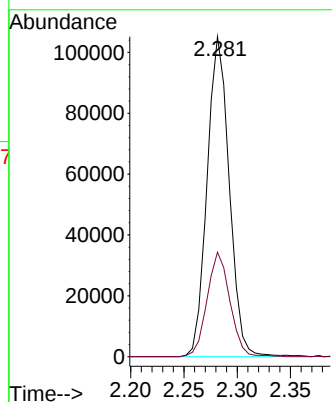
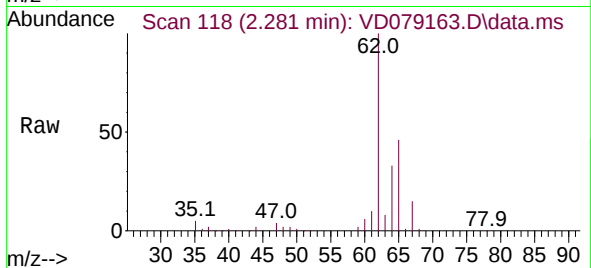




#5  
 Vinyl chloride  
 Concen: 22.652 ug/L  
 RT: 2.281 min Scan# 118  
 Delta R.T. 0.000 min  
 Lab File: VD079163.D  
 Acq: 11 Jun 2024 15:09

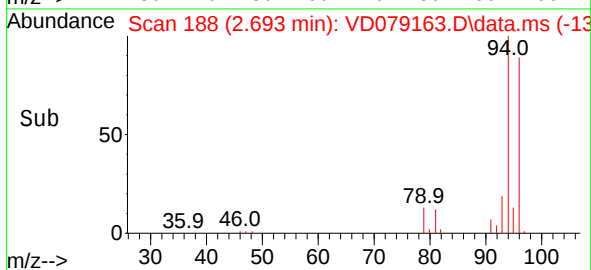
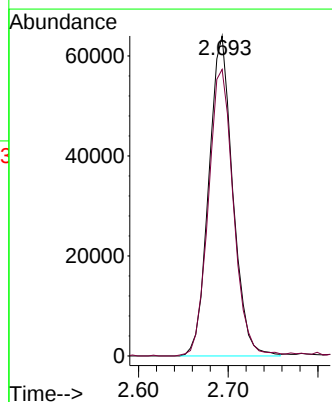
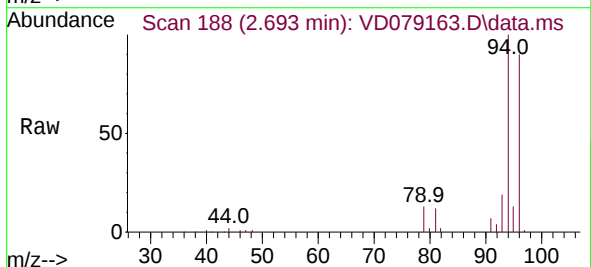
Instrument :  
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 ClientSampleId :

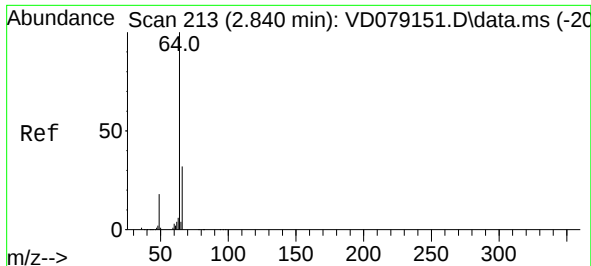
Tgt Ion: 62 Resp: 151993  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 24.8 46.1



#6  
 Bromomethane  
 Concen: 22.945 ug/L  
 RT: 2.693 min Scan# 188  
 Delta R.T. 0.000 min  
 Lab File: VD079163.D  
 Acq: 11 Jun 2024 15:09

Tgt Ion: 94 Resp: 118860  
 Ion Ratio Lower Upper  
 94 100  
 96 89.6 63.6 118.2

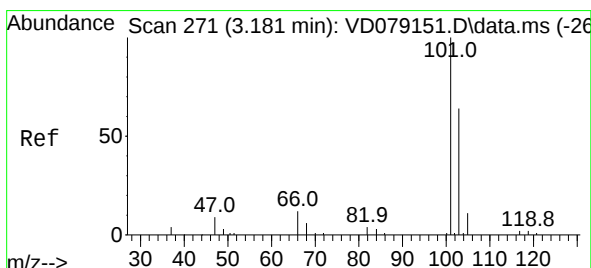
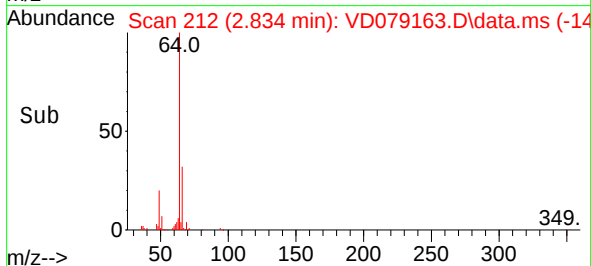
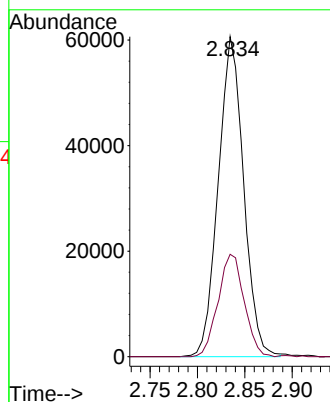
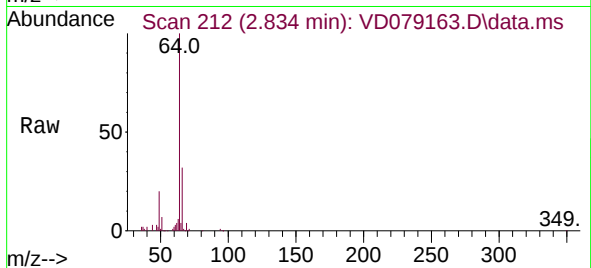




#8  
Chloroethane  
Concen: 22.983 ug/L  
RT: 2.834 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

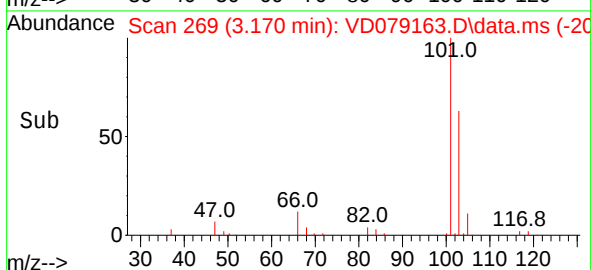
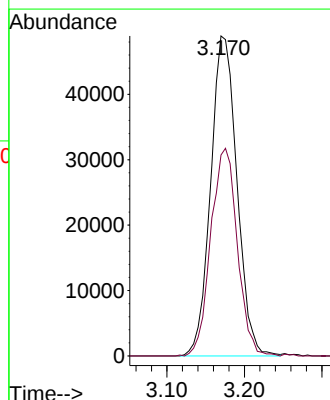
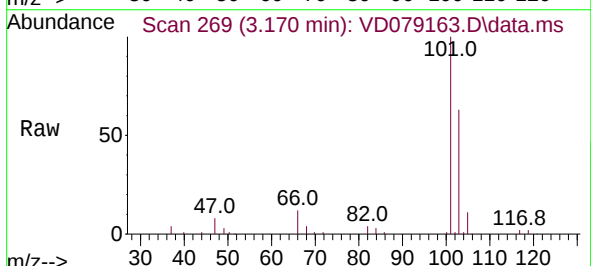
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MSVOA\_D  
ClientSampleId :

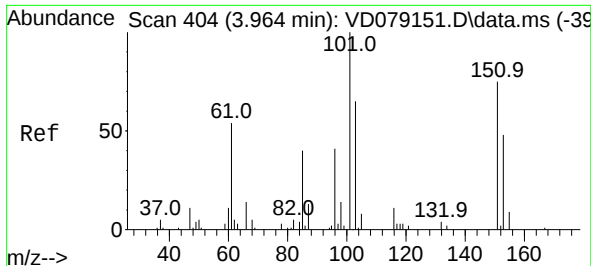
Tgt Ion: 64 Resp: 113028  
Ion Ratio Lower Upper  
64 100  
66 32.0 24.8 46.1



#9  
Trichlorofluoromethane  
Concen: 22.567 ug/L  
RT: 3.170 min Scan# 269  
Delta R.T. -0.012 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

Tgt Ion:101 Resp: 115350  
Ion Ratio Lower Upper  
101 100  
103 65.4 52.6 79.0

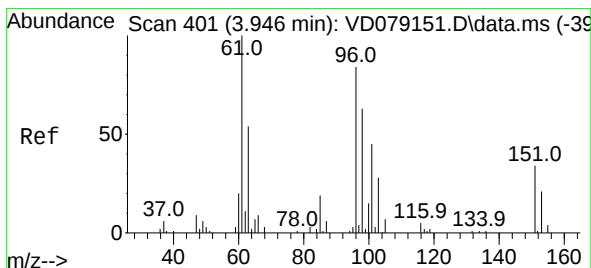
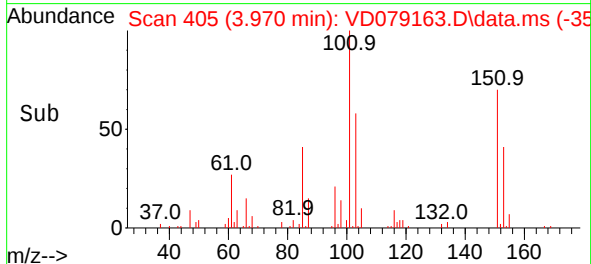
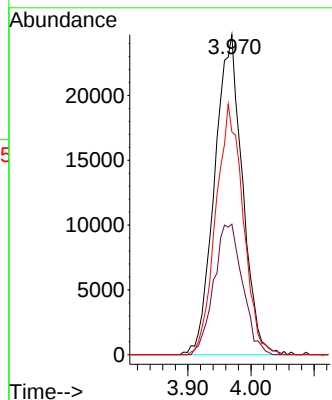
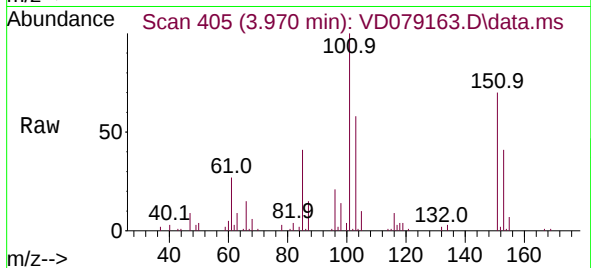




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 24.568 ug/L  
RT: 3.970 min Scan# 405  
Delta R.T. 0.006 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

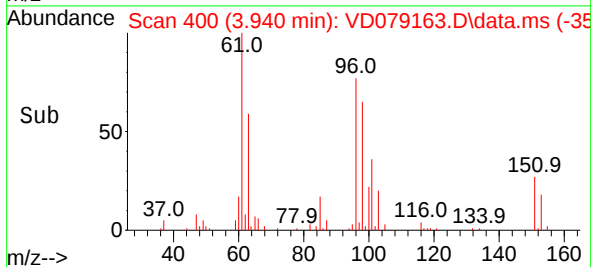
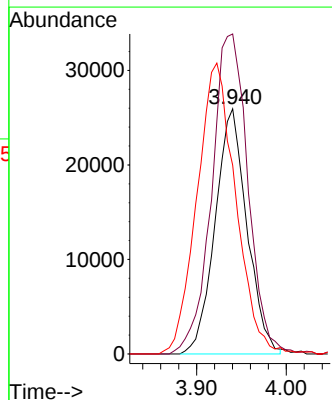
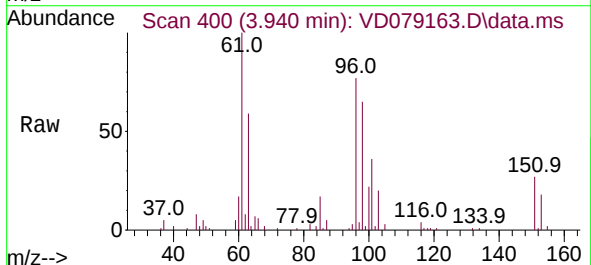
Instrument :  
MSVOA\_D  
ClientSampleId :

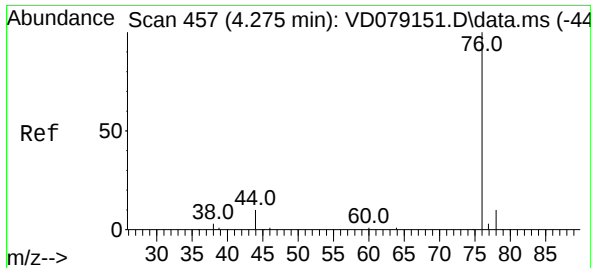
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Ion Ratio Lower Upper  
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151 77.2 59.1 88.7



#12  
1,1-Dichloroethene  
Concen: 23.932 ug/L  
RT: 3.940 min Scan# 400  
Delta R.T. -0.006 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

Tgt Ion: 96 Resp: 63861  
Ion Ratio Lower Upper  
96 100  
61 130.6 93.9 174.3  
63 77.0 67.7 125.7

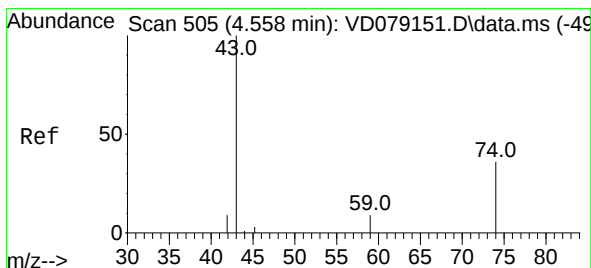
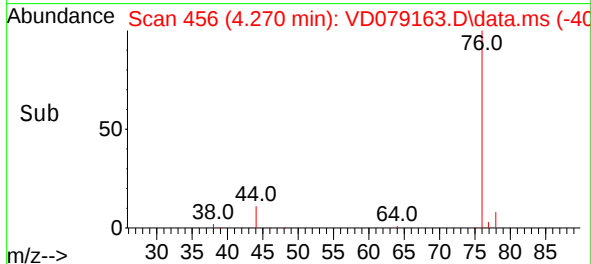
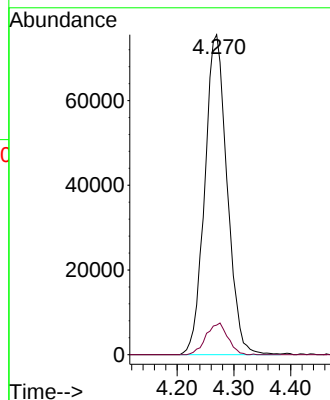
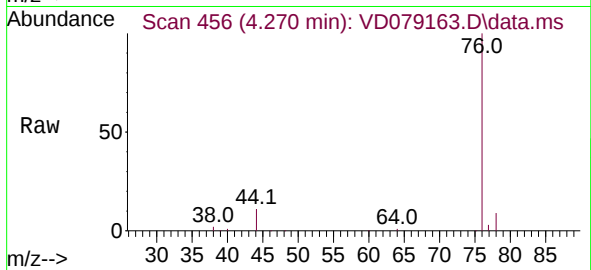




#14  
Carbon disulfide  
Concen: 22.171 ug/L  
RT: 4.270 min Scan# 457  
Delta R.T. -0.006 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

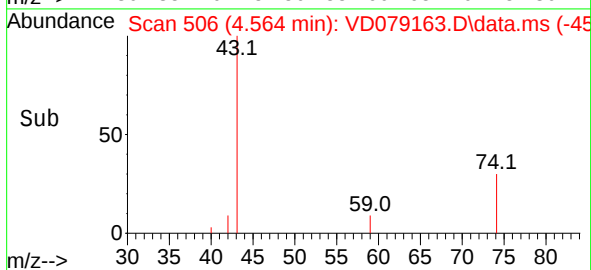
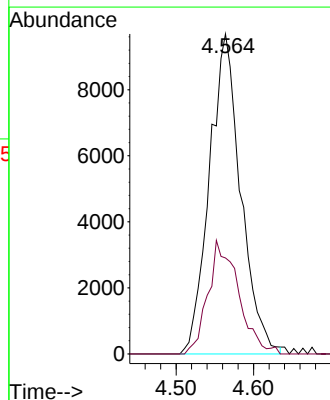
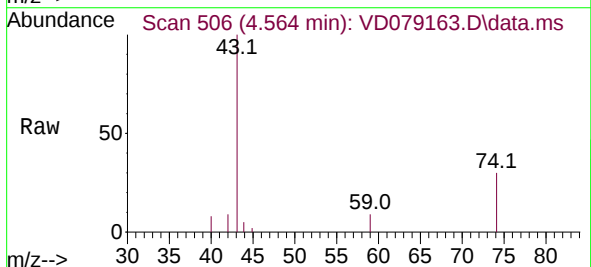
Instrument :  
MSVOA\_D  
ClientSampleId :

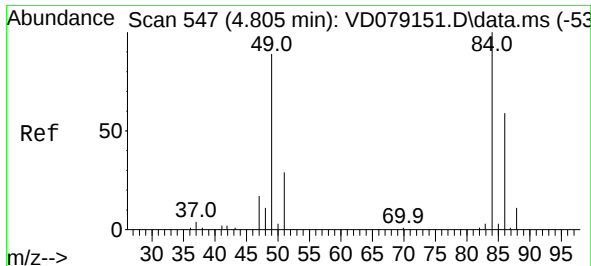
Tgt Ion: 76 Resp: 206384  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.5 11.3



#15  
Methyl Acetate  
Concen: 30.442 ug/L  
RT: 4.564 min Scan# 506  
Delta R.T. 0.006 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

Tgt Ion: 43 Resp: 27233  
Ion Ratio Lower Upper  
43 100  
74 34.0 23.8 35.6





#16

Methylene chloride

Concen: 26.766 ug/L

RT: 4.799 min Scan# 547

Delta R.T. -0.006 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

ClientSampleId :

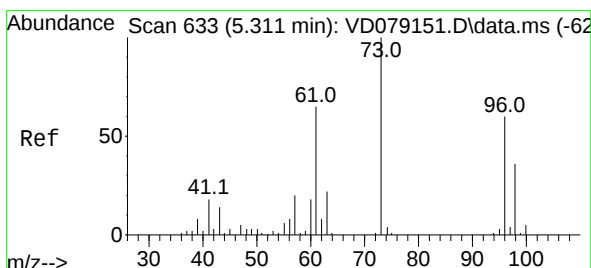
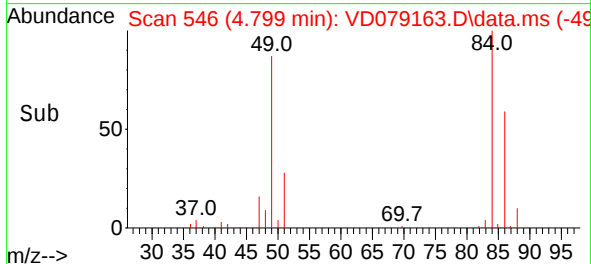
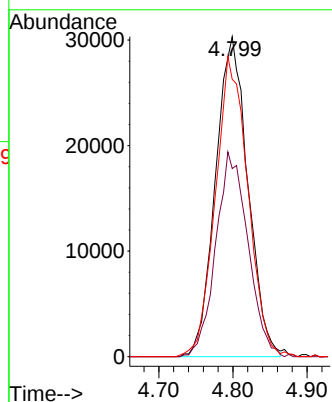
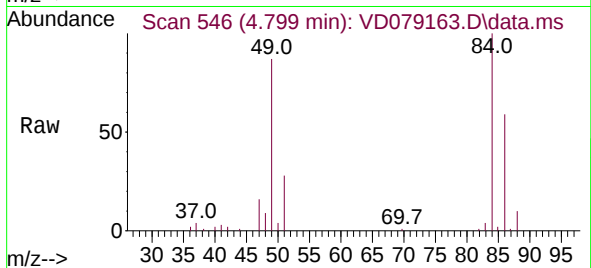
Tgt Ion: 84 Resp: 91894

Ion Ratio Lower Upper

84 100

86 58.8 40.9 76.0

49 86.7 67.5 125.3



#17

trans-1,2-Dichloroethene

Concen: 25.093 ug/L

RT: 5.311 min Scan# 633

Delta R.T. 0.000 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

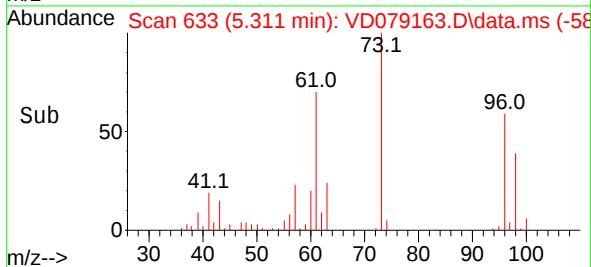
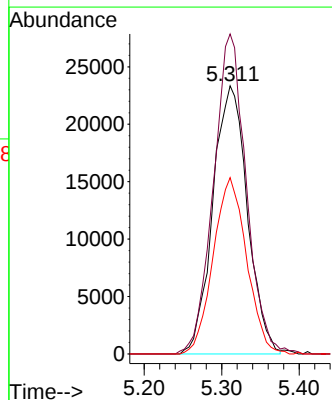
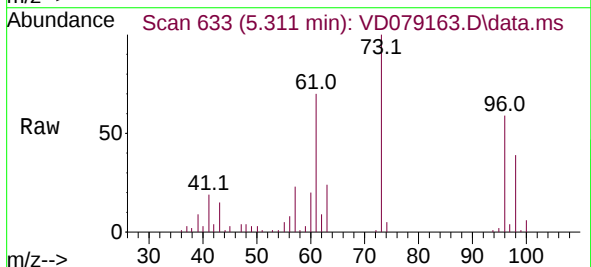
Tgt Ion: 96 Resp: 72364

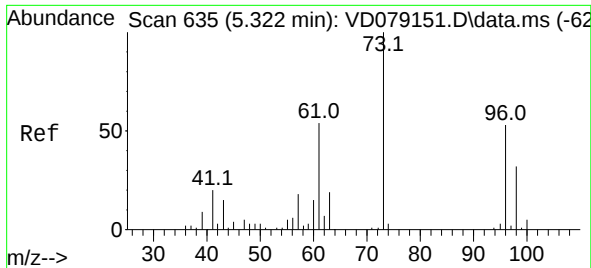
Ion Ratio Lower Upper

96 100

61 119.4 71.9 133.5

98 65.8 42.6 79.2





#18

Methyl tert-butyl Ether

Concen: 28.901 ug/L

RT: 5.317 min Scan# 61

Delta R.T. -0.006 min

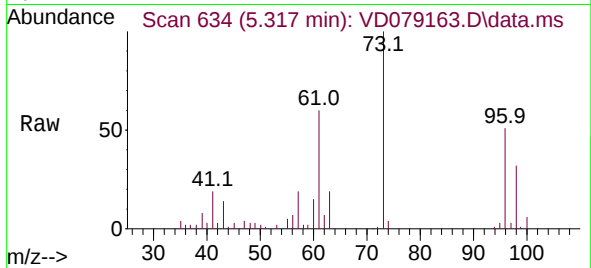
Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

ClientSampleId :



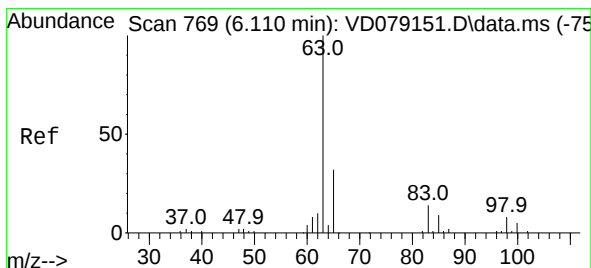
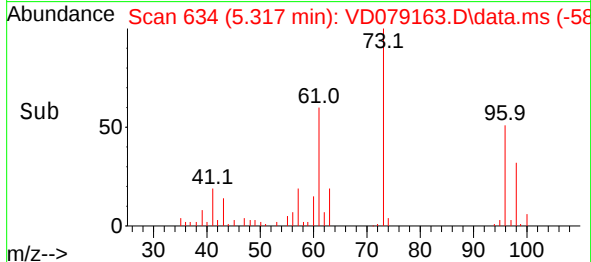
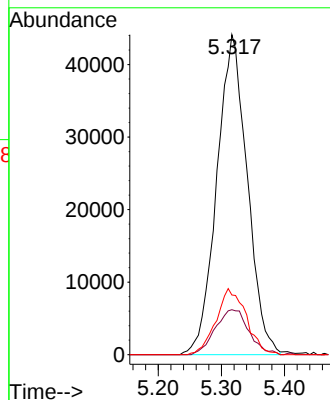
Tgt Ion: 73 Resp: 147816

Ion Ratio Lower Upper

73 100

43 15.3 12.0 18.0

57 20.5 9.6 14.4#



#19

1,1-Dichloroethane

Concen: 26.102 ug/L

RT: 6.111 min Scan# 769

Delta R.T. 0.000 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

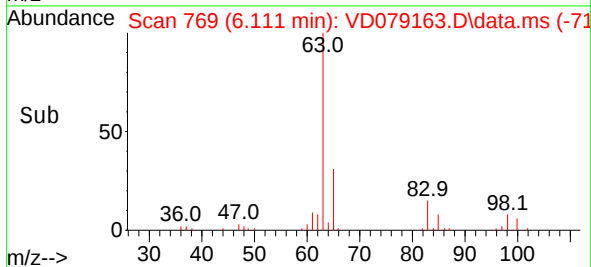
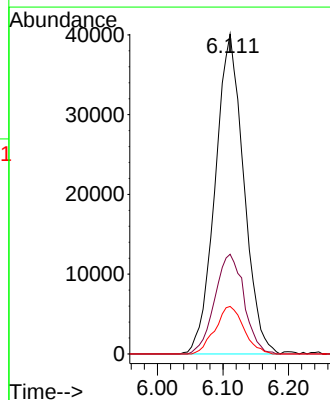
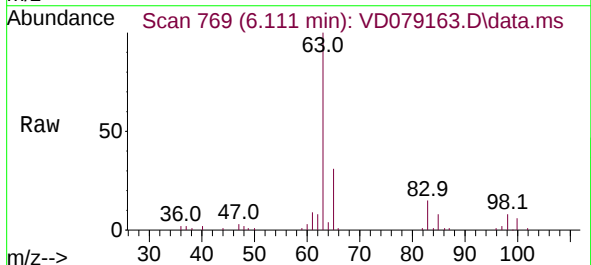
Tgt Ion: 63 Resp: 121192

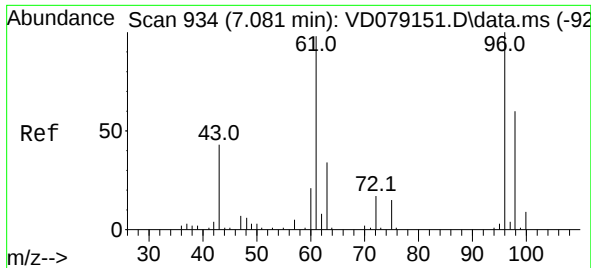
Ion Ratio Lower Upper

63 100

65 31.1 22.8 42.4

83 14.9 8.6 16.0

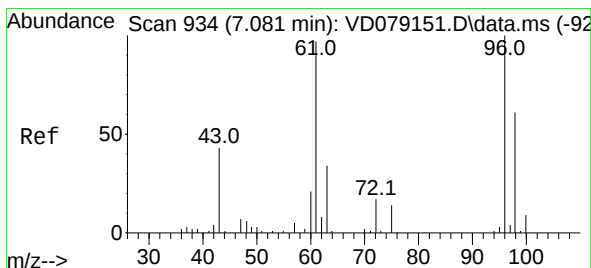
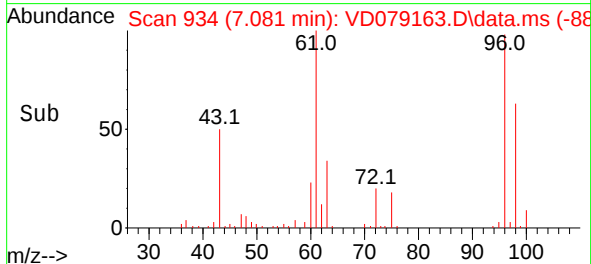
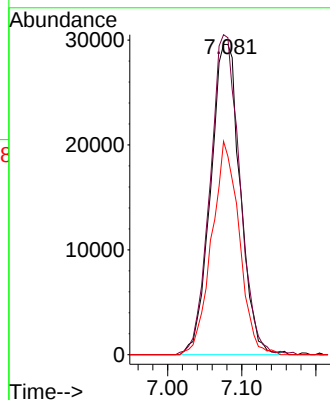
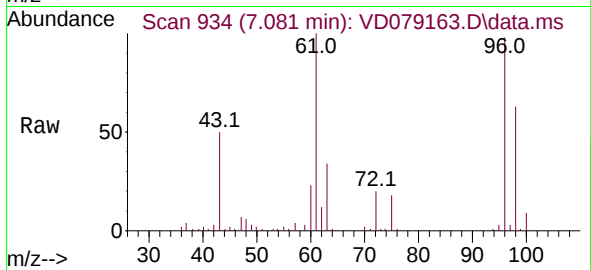




#20  
cis-1,2-Dichloroethene  
Concen: 27.315 ug/L  
RT: 7.081 min Scan# 934  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

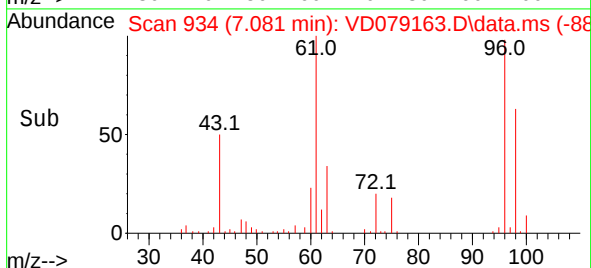
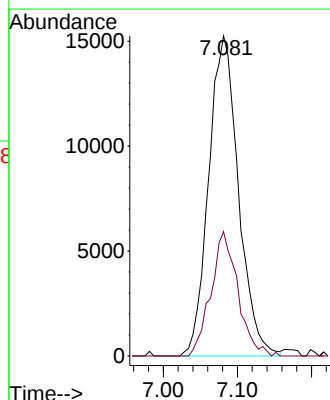
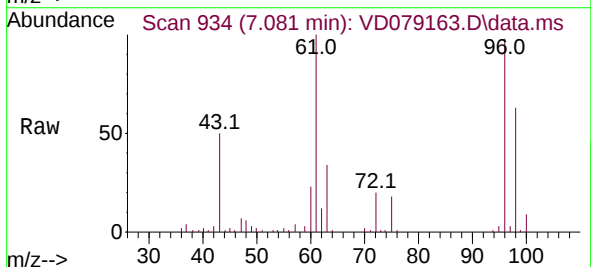
Instrument :  
MSVOA\_D  
ClientSampleId :

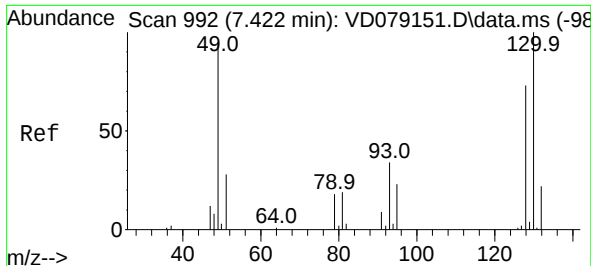
Tgt Ion: 96 Resp: 82022  
Ion Ratio Lower Upper  
96 100  
61 102.2 72.6 134.8  
98 64.0 43.8 81.3



#22  
2-Butanone  
Concen: 61.778 ug/L  
RT: 7.081 min Scan# 934  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

Tgt Ion: 43 Resp: 42611  
Ion Ratio Lower Upper  
43 100  
72 34.9 19.3 57.8

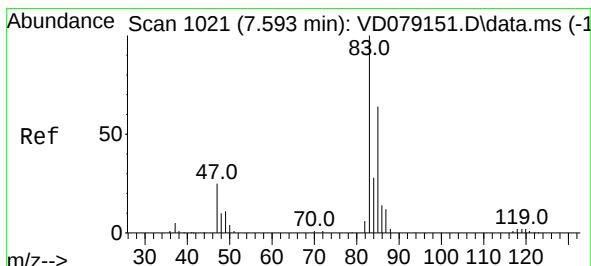
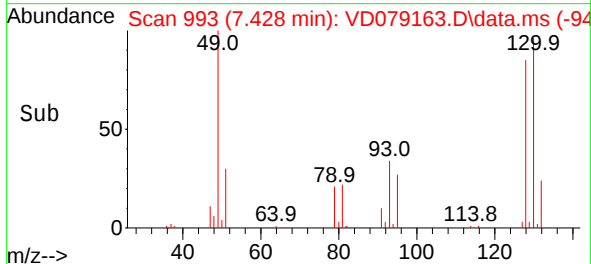
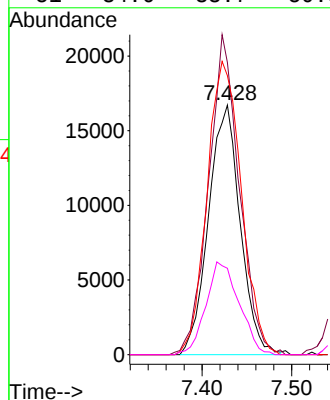
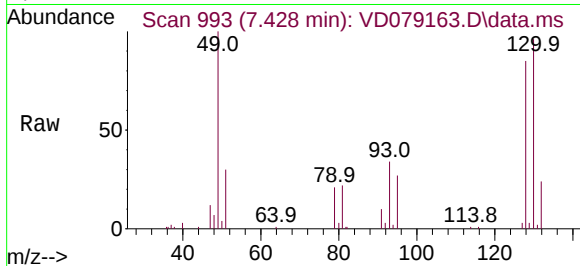




#23  
Bromochloromethane  
Concen: 26.881 ug/L  
RT: 7.428 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

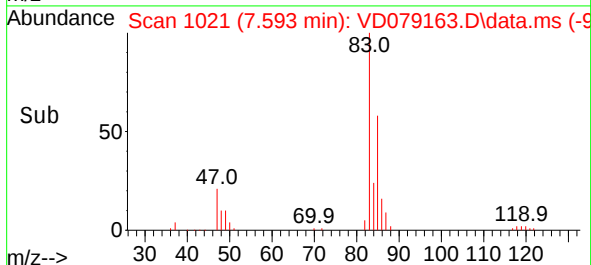
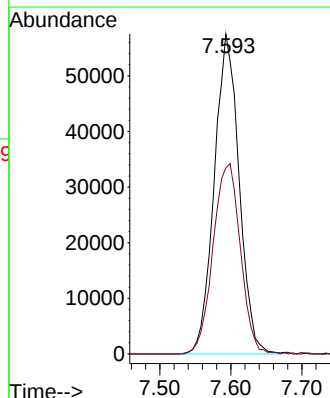
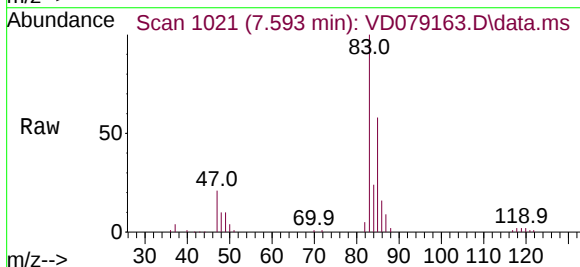
Instrument :  
MSVOA\_D  
ClientSampleId :

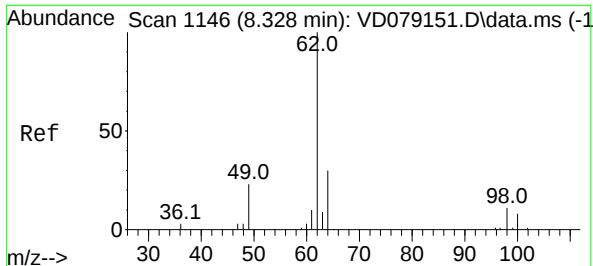
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 40923 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 117.1 | 81.8  | 151.8 |
| 130      | 111.8 | 90.4  | 167.8 |
| 51       | 34.6  | 33.7  | 50.5  |



#25  
Chloroform  
Concen: 26.493 ug/L  
RT: 7.593 min Scan# 1021  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 139659 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 58.1  | 47.9  | 89.1   |

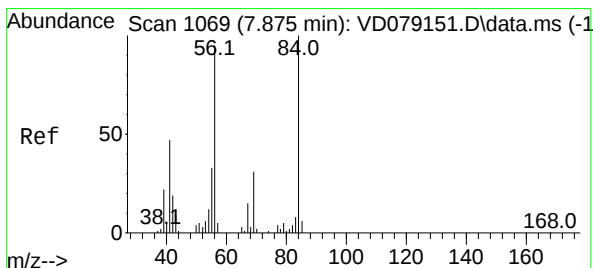
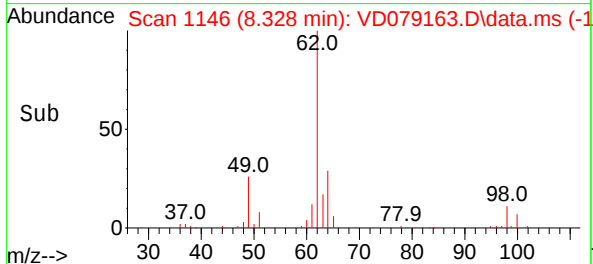
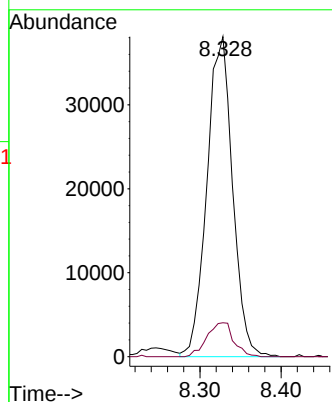
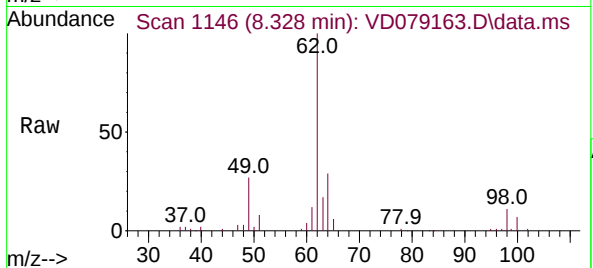




#27  
1,2-Dichloroethane  
Concen: 27.394 ug/L  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

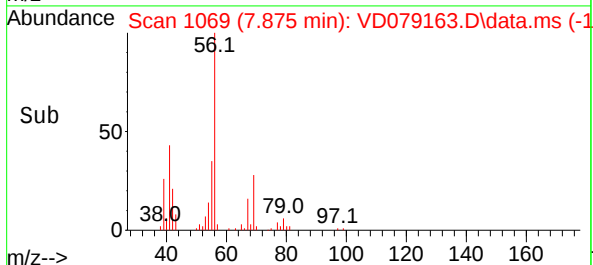
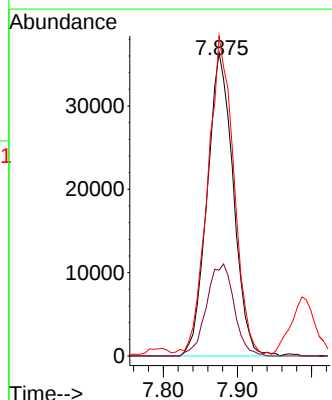
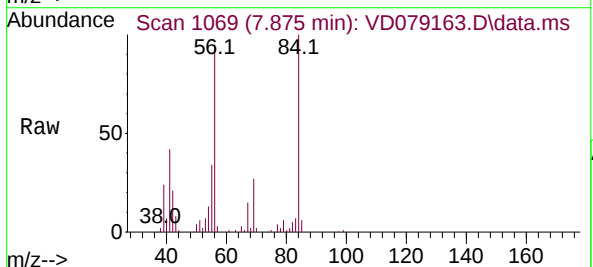
Instrument :  
MSVOA\_D  
ClientSampleId :

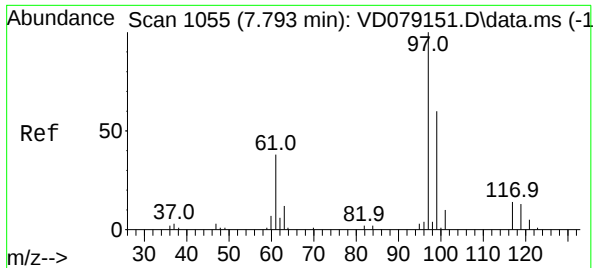
Tgt Ion: 62 Resp: 83828  
Ion Ratio Lower Upper  
62 100  
98 10.6 8.2 12.4



#29  
Cyclohexane  
Concen: 25.774 ug/L  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

Tgt Ion: 56 Resp: 88975  
Ion Ratio Lower Upper  
56 100  
69 32.1 26.6 40.0  
84 106.1 87.5 131.3

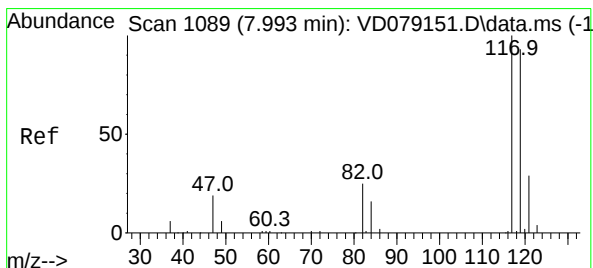
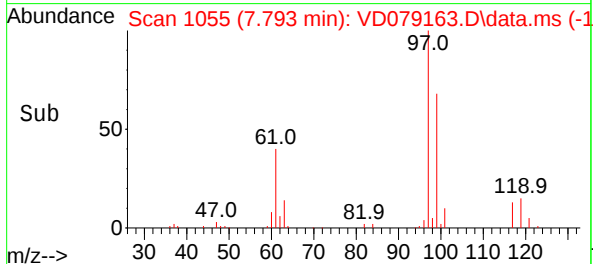
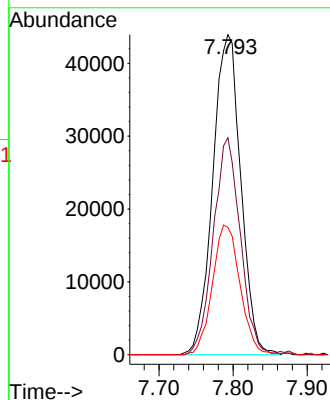
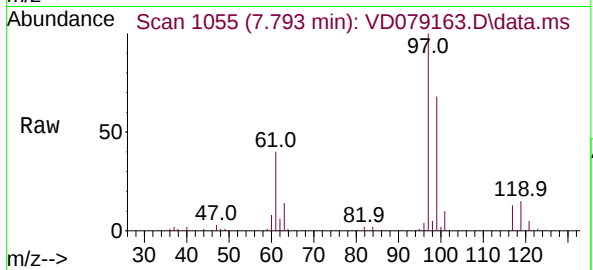




#30  
1,1,1-Trichloroethane  
Concen: 25.479 ug/L  
RT: 7.793 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

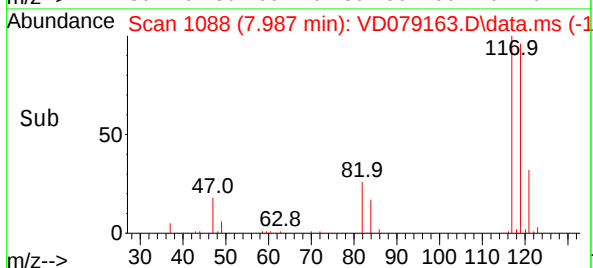
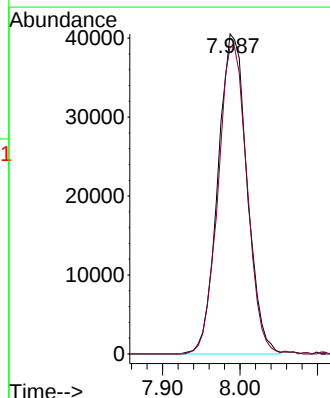
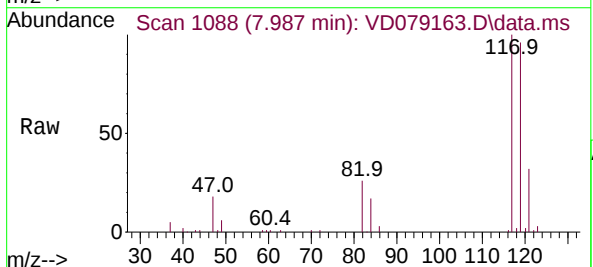
Instrument :  
MSVOA\_D  
ClientSampleId :

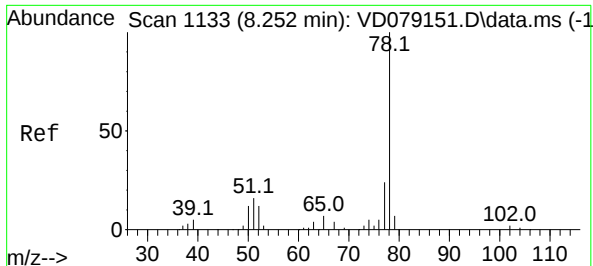
Tgt Ion: 97 Resp: 115417  
Ion Ratio Lower Upper  
97 100  
99 65.0 52.3 78.5  
61 40.0 31.7 47.5



#31  
Carbon tetrachloride  
Concen: 25.110 ug/L  
RT: 7.987 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

Tgt Ion: 117 Resp: 105699  
Ion Ratio Lower Upper  
117 100  
119 96.0 79.6 119.4

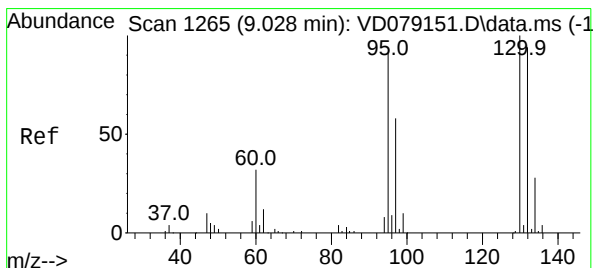
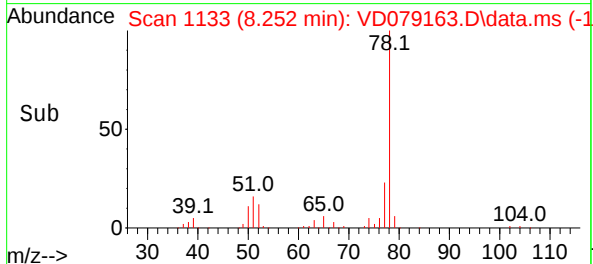
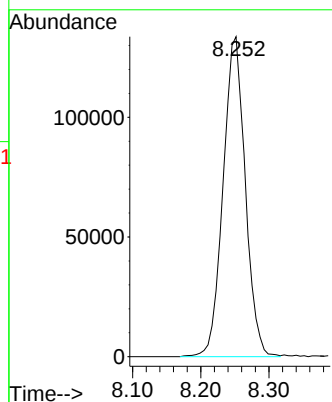
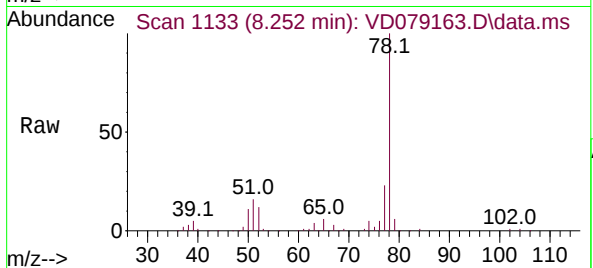




#33  
Benzene  
Concen: 26.563 ug/L  
RT: 8.252 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

Instrument :  
MSVOA\_D  
ClientSampleId :

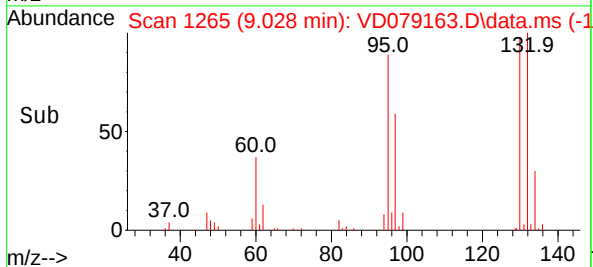
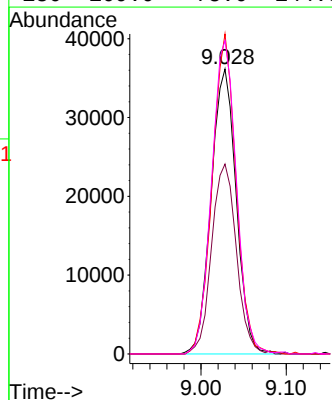
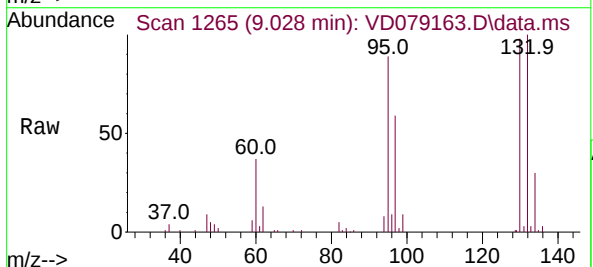
Tgt Ion: 78 Resp: 302700

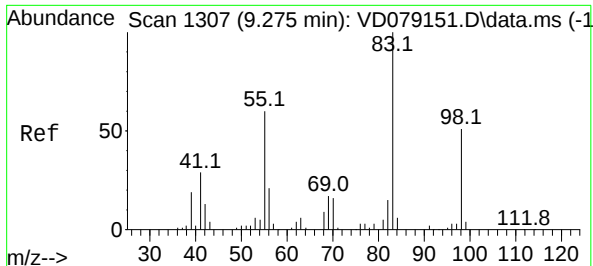


#34  
Trichloroethene  
Concen: 25.252 ug/L  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

Tgt Ion: 95 Resp: 74116

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.6  | 44.6  | 82.8  |
| 132 | 112.3 | 74.9  | 139.1 |
| 130 | 109.9 | 78.0  | 144.8 |





#35

Methylcyclohexane

Concen: 24.744 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

ClientSampleId :

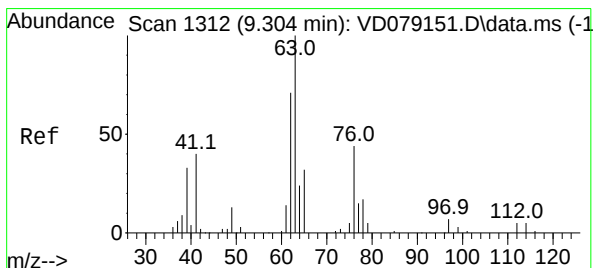
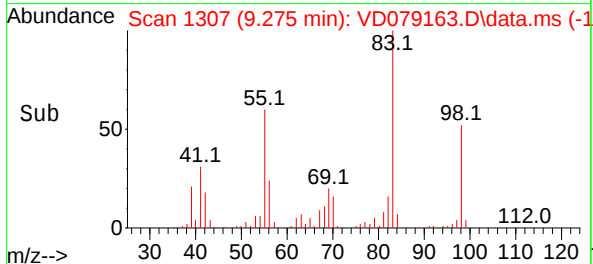
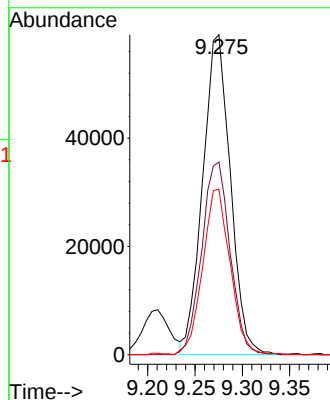
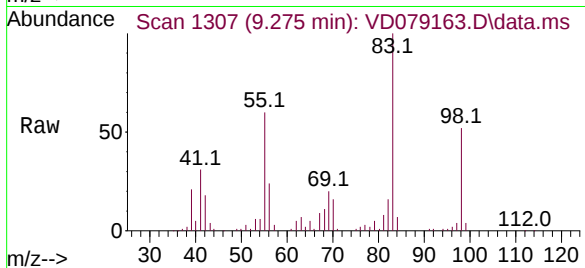
Tgt Ion: 83 Resp: 120337

Ion Ratio Lower Upper

83 100

55 61.7 48.6 72.8

98 51.3 40.2 60.2



#37

1,2-Dichloropropane

Concen: 26.626 ug/L

RT: 9.305 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD079163.D

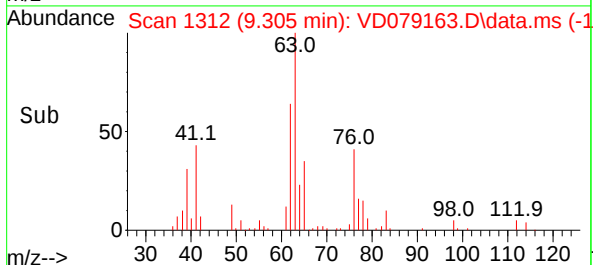
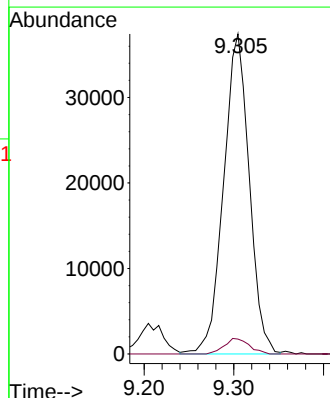
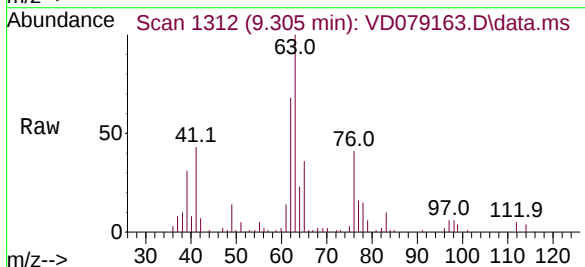
Acq: 11 Jun 2024 15:09

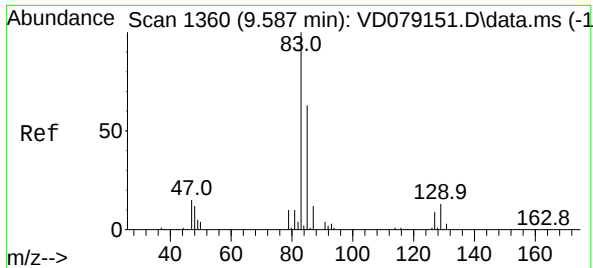
Tgt Ion: 63 Resp: 74320

Ion Ratio Lower Upper

63 100

112 4.7 3.9 5.9





#38

Bromodichloromethane

Concen: 27.308 ug/L

RT: 9.581 min Scan# 1433

Delta R.T. -0.006 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

ClientSampleId :

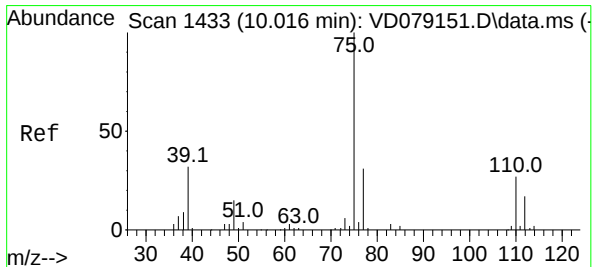
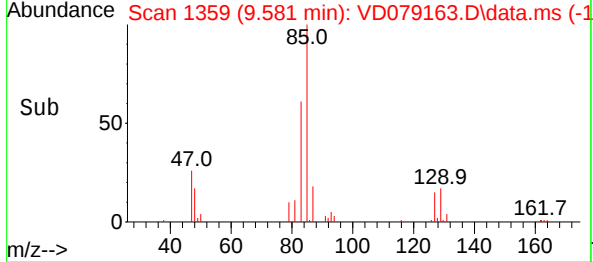
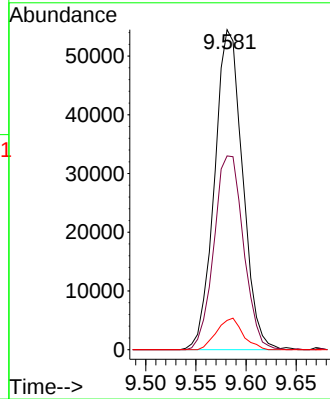
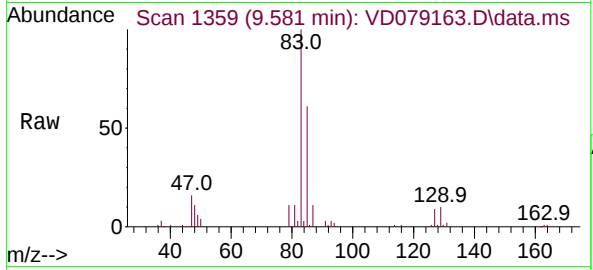
Tgt Ion: 83 Resp: 105964

Ion Ratio Lower Upper

83 100

85 60.6 46.5 86.5

127 9.2 7.0 10.6



#39

cis-1,3-Dichloropropene

Concen: 26.982 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD079163.D

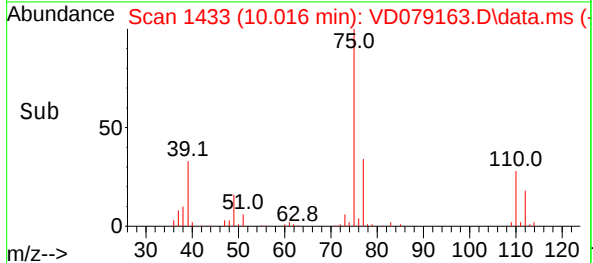
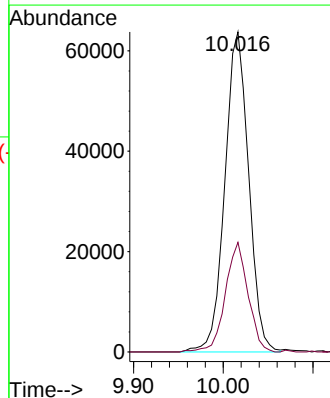
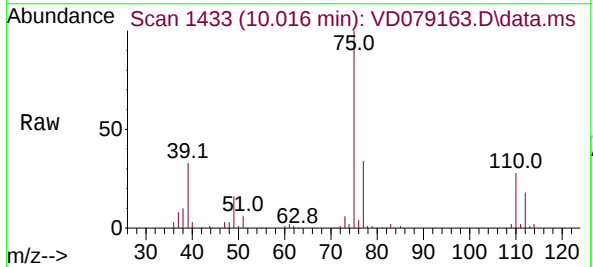
Acq: 11 Jun 2024 15:09

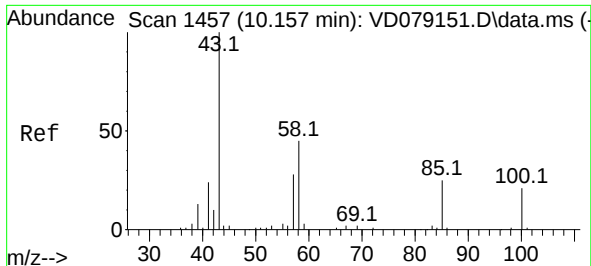
Tgt Ion: 75 Resp: 117570

Ion Ratio Lower Upper

75 100

77 34.3 23.4 43.4





#40

4-Methyl-2-pentanone

Concen: 64.838 ug/L

RT: 10.158 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

ClientSampleId :

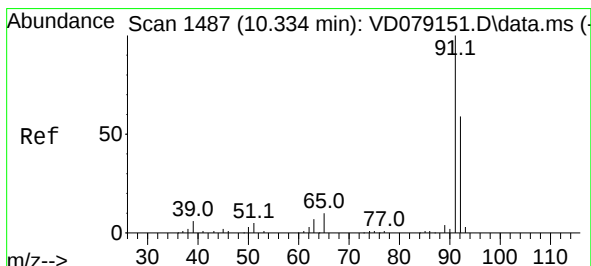
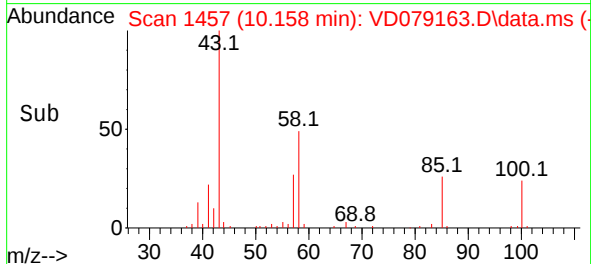
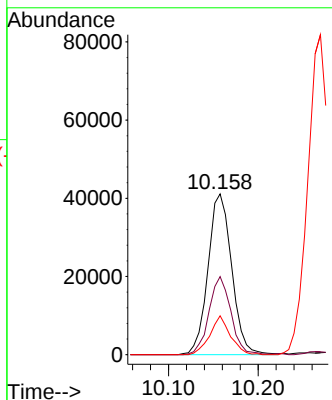
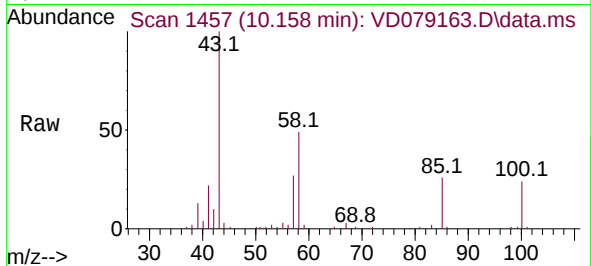
Tgt Ion: 43 Resp: 75550

Ion Ratio Lower Upper

43 100

58 44.7 34.0 51.0

100 20.8 16.9 25.3



#42

Toluene

Concen: 26.905 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD079163.D

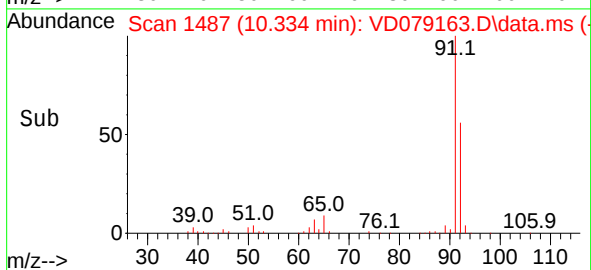
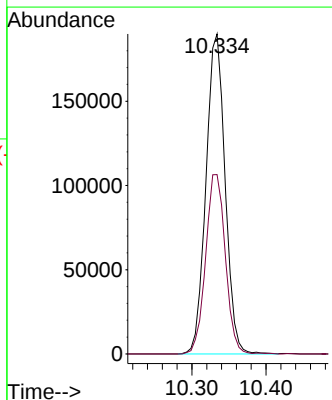
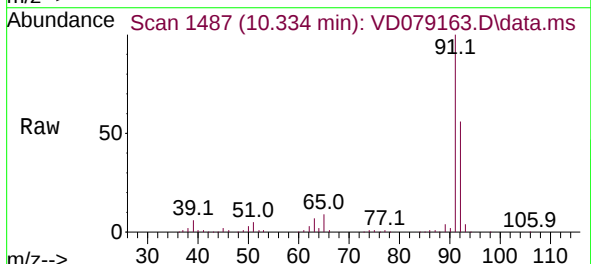
Acq: 11 Jun 2024 15:09

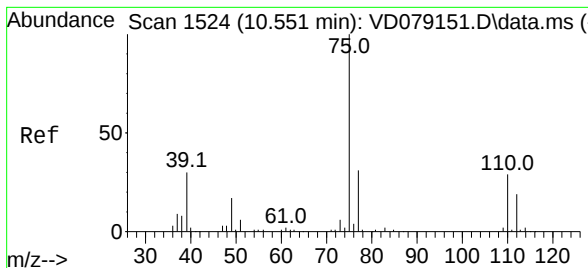
Tgt Ion: 91 Resp: 340459

Ion Ratio Lower Upper

91 100

92 56.0 38.9 72.3

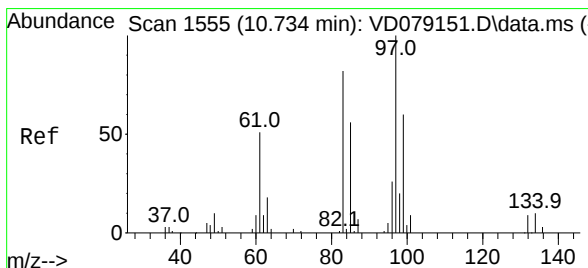
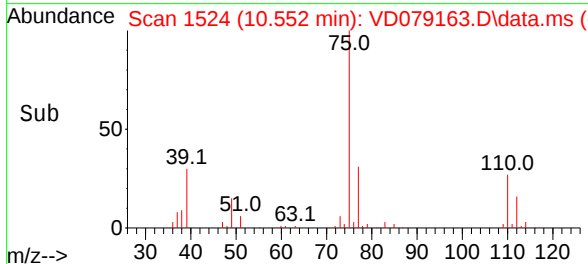
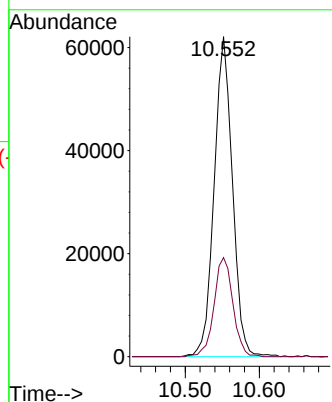
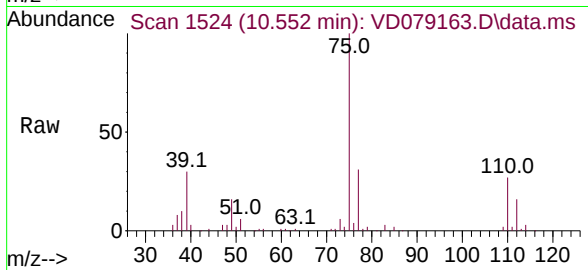




#44  
trans-1,3-Dichloropropene  
Concen: 28.920 ug/L  
RT: 10.552 min Scan# 1524  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

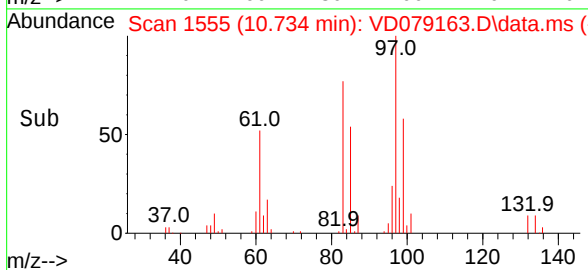
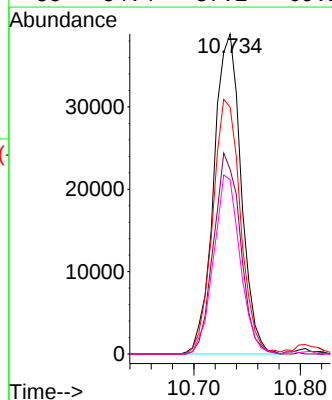
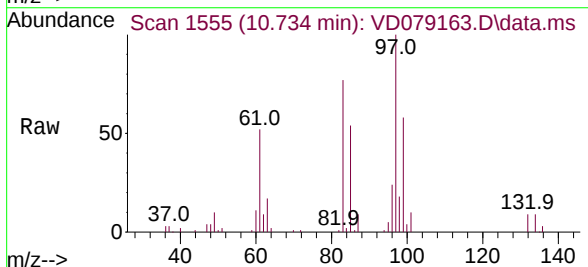
Instrument :  
MSVOA\_D  
ClientSampleId :

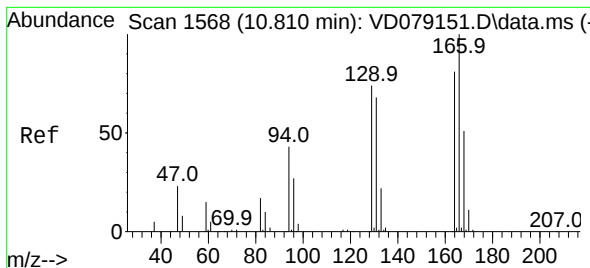
Tgt Ion: 75 Resp: 106559  
Ion Ratio Lower Upper  
75 100  
77 30.9 24.3 45.1



#45  
1,1,2-Trichloroethane  
Concen: 28.242 ug/L  
RT: 10.734 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

Tgt Ion: 97 Resp: 69158  
Ion Ratio Lower Upper  
97 100  
99 57.7 43.0 79.8  
83 77.2 58.9 109.5  
85 54.4 37.2 69.2





#46

Tetrachloroethene

Concen: 24.146 ug/L

RT: 10.805 min Scan# 1568

Delta R.T. -0.006 min

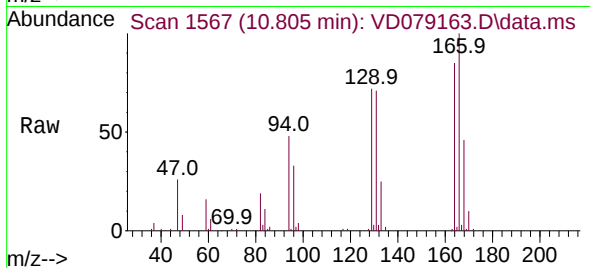
Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion:164 Resp: 62401

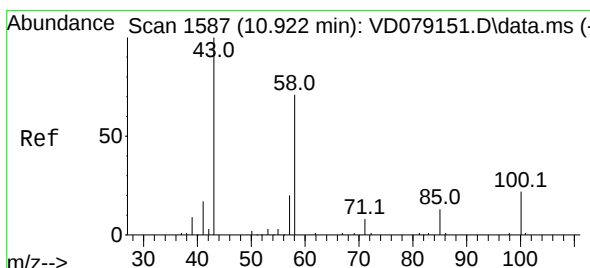
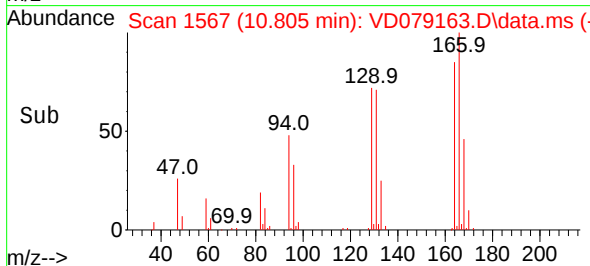
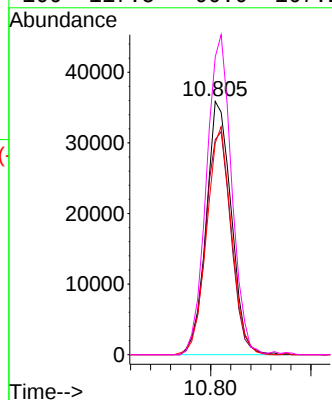
Ion Ratio Lower Upper

164 100

129 84.9 64.3 119.5

131 83.5 61.2 113.8

166 117.5 90.0 167.2



#48

2-Hexanone

Concen: 62.742 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Tgt Ion: 43 Resp: 63261

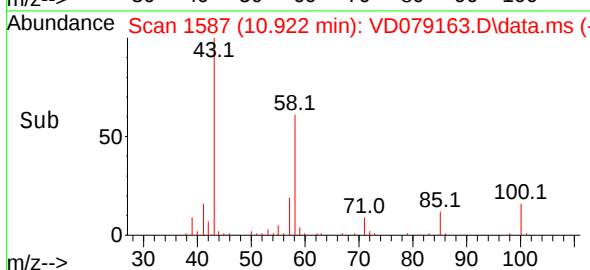
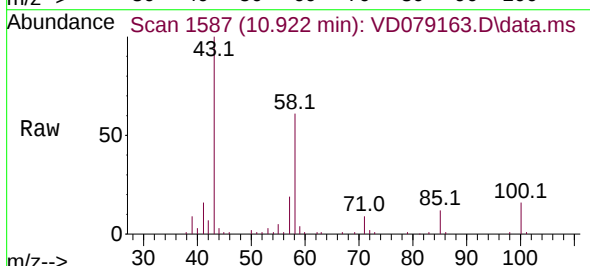
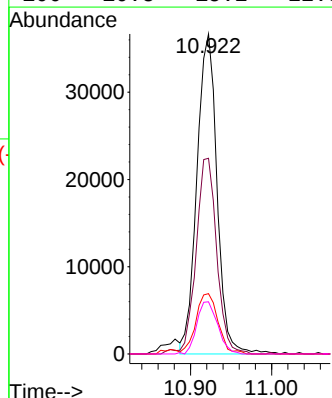
Ion Ratio Lower Upper

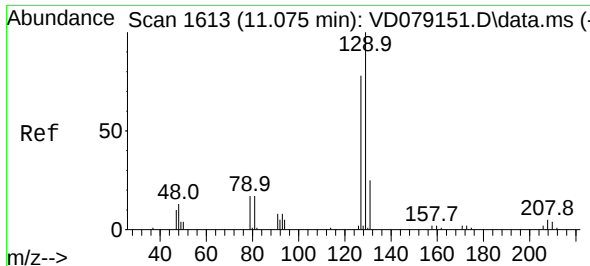
43 100

58 62.3 50.1 75.1

57 19.4 16.5 24.7

100 16.8 15.2 22.8





#49

Dibromochloromethane

Concen: 27.535 ug/L

RT: 11.069 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

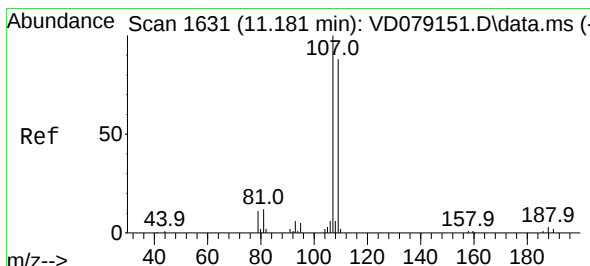
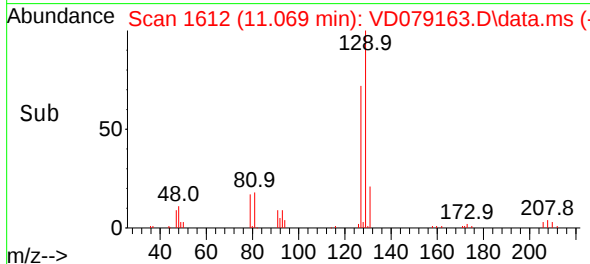
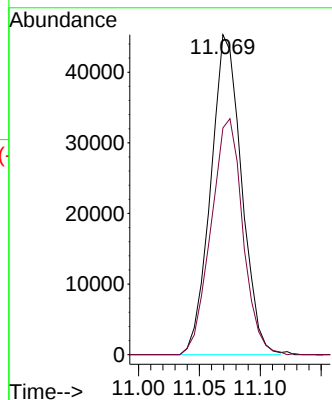
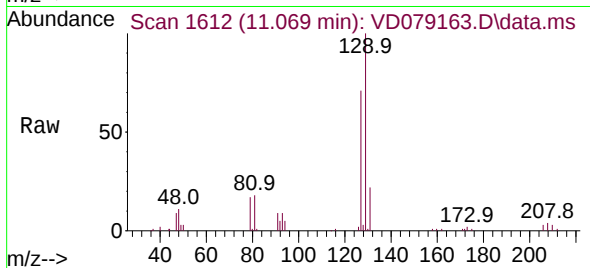
ClientSampleId :

Tgt Ion:129 Resp: 79847

Ion Ratio Lower Upper

129 100

127 70.9 56.4 104.7



#50

1,2-Dibromoethane

Concen: 28.044 ug/L

RT: 11.175 min Scan# 1630

Delta R.T. -0.006 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

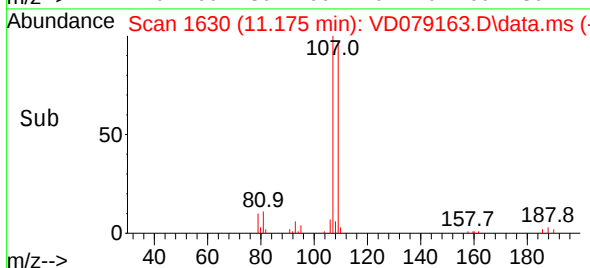
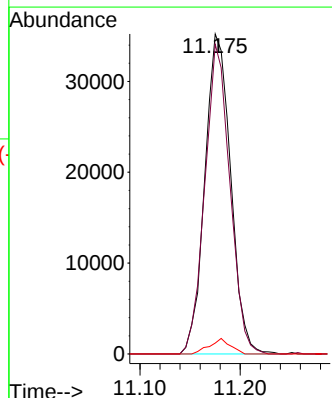
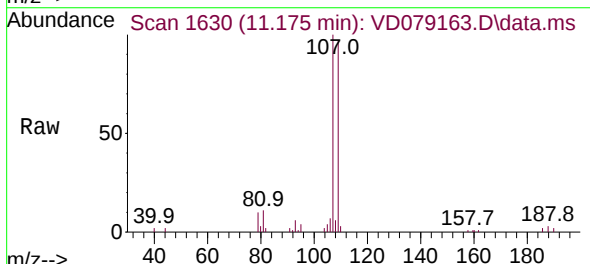
Tgt Ion:107 Resp: 63113

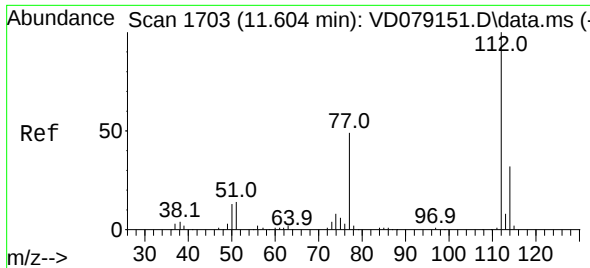
Ion Ratio Lower Upper

107 100

109 96.8 64.5 119.7

188 3.4 2.6 3.8

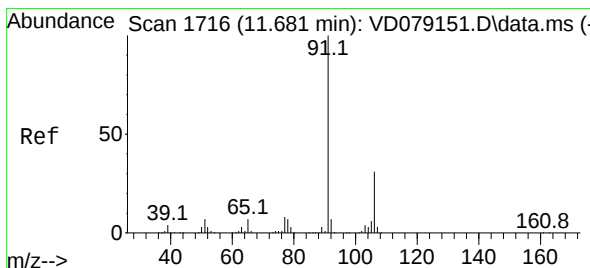
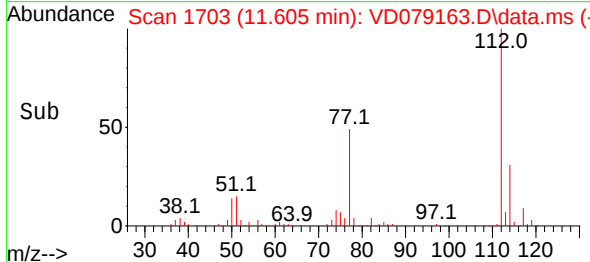
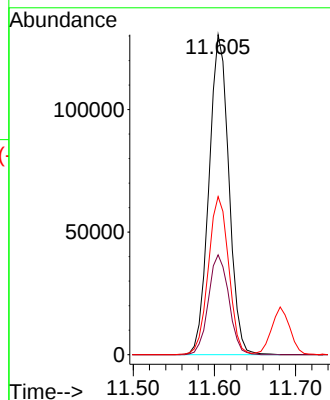
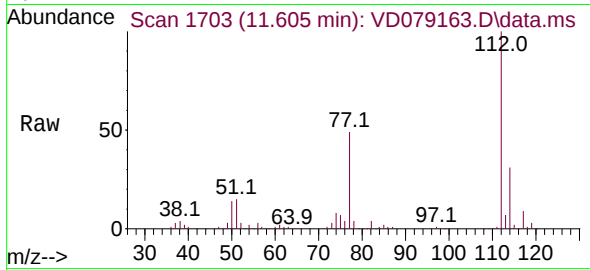




#51  
Chlorobenzene  
Concen: 26.373 ug/L  
RT: 11.605 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

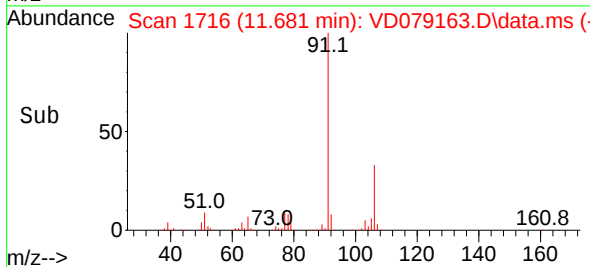
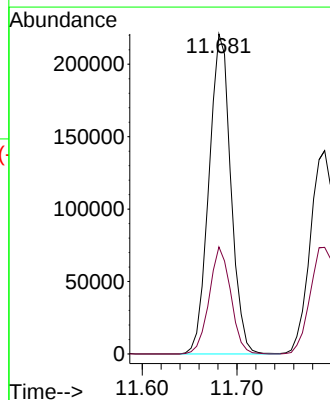
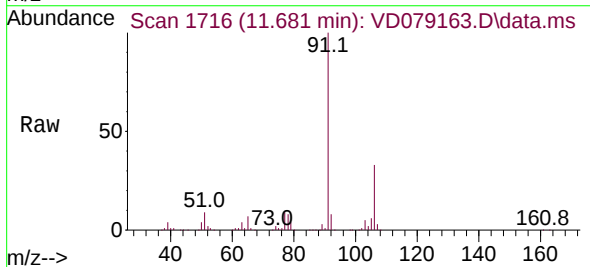
Instrument :  
MSVOA\_D  
ClientSampleId :

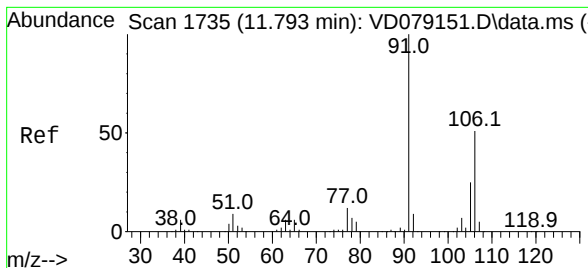
Tgt Ion:112 Resp: 222054  
Ion Ratio Lower Upper  
112 100  
114 31.2 22.7 42.3  
77 49.4 38.4 57.6



#52  
Ethylbenzene  
Concen: 26.826 ug/L  
RT: 11.681 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

Tgt Ion: 91 Resp: 354090  
Ion Ratio Lower Upper  
91 100  
106 33.5 22.3 41.5





#53

m,p-Xylene

Concen: 27.546 ug/L

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

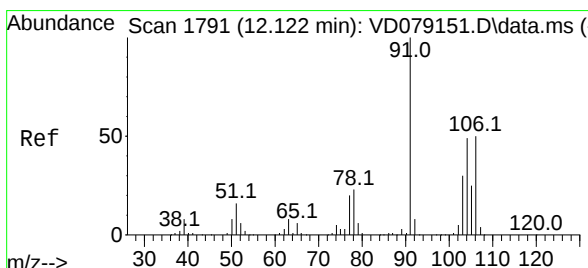
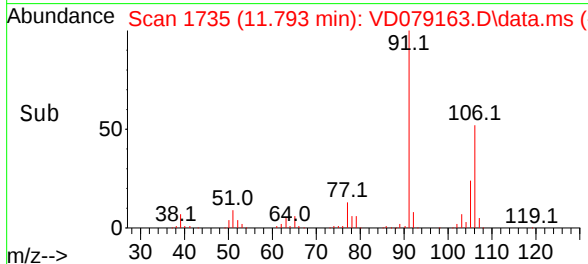
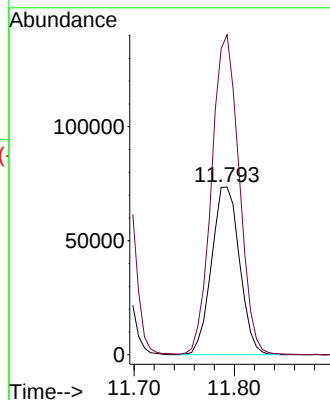
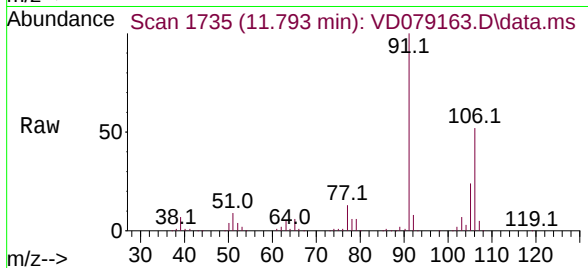
ClientSampleId :

Tgt Ion:106 Resp: 142651

Ion Ratio Lower Upper

106 100

91 190.9 133.1 247.1



#54

o-Xylene

Concen: 27.642 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD079163.D

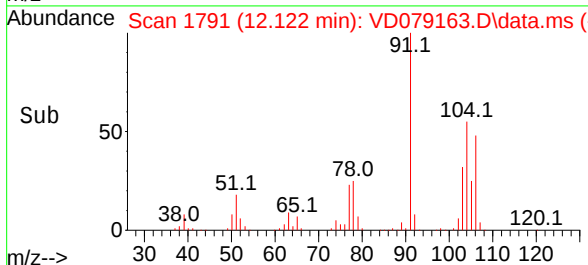
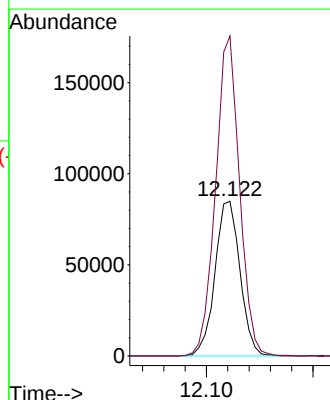
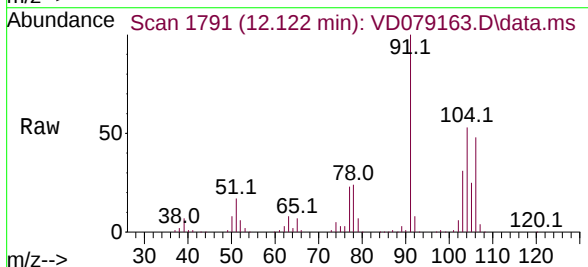
Acq: 11 Jun 2024 15:09

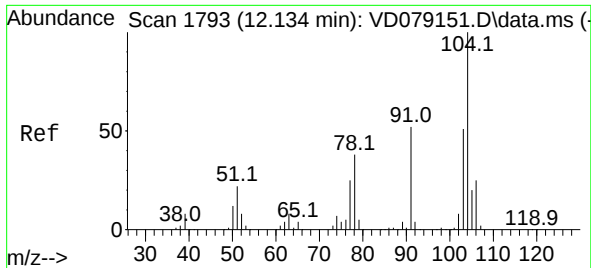
Tgt Ion:106 Resp: 138301

Ion Ratio Lower Upper

106 100

91 206.7 132.9 246.9

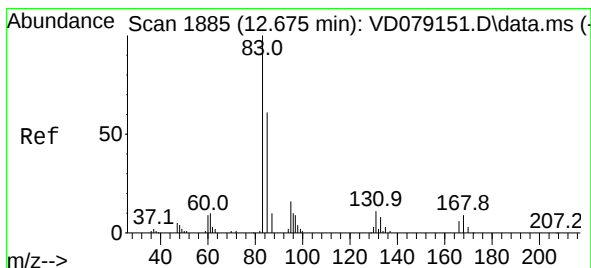
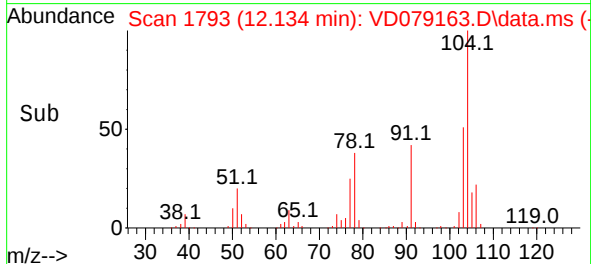
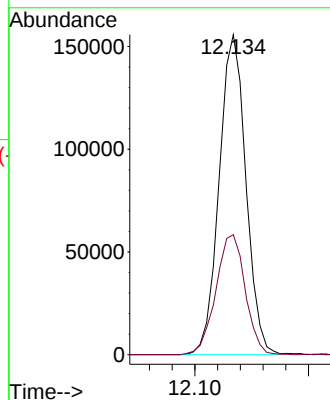
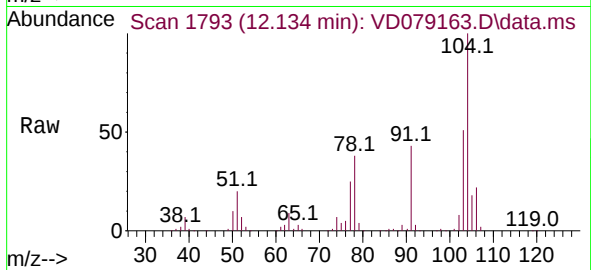




#55  
Styrene  
Concen: 28.684 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

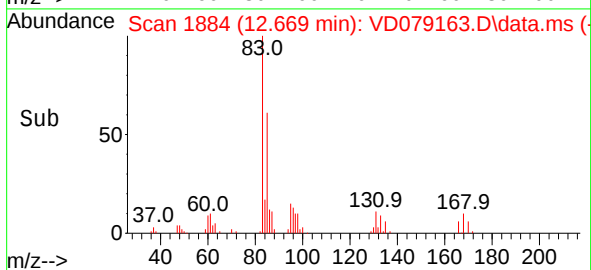
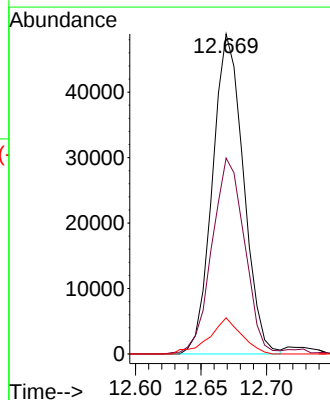
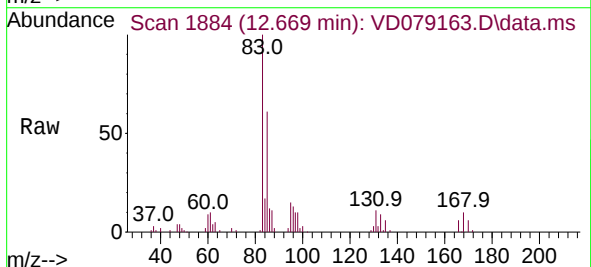
Instrument :  
MSVOA\_D  
ClientSampleId :

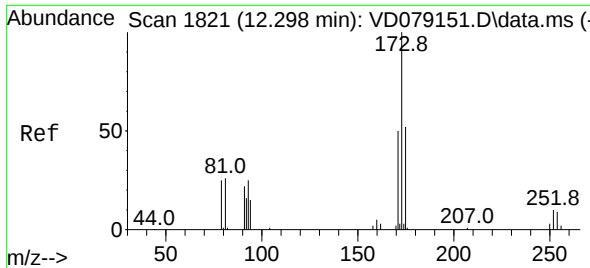
Tgt Ion:104 Resp: 254468  
Ion Ratio Lower Upper  
104 100  
78 37.5 27.8 51.6



#57  
1,1,2,2-Tetrachloroethane  
Concen: 29.263 ug/L  
RT: 12.669 min Scan# 1884  
Delta R.T. -0.006 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

Tgt Ion: 83 Resp: 80212  
Ion Ratio Lower Upper  
83 100  
85 61.2 47.5 88.1  
131 11.3 8.6 13.0





#59

Bromoform

Concen: 27.140 ug/L

RT: 12.299 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

ClientSampleId :

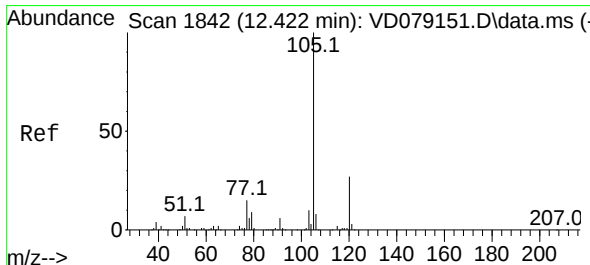
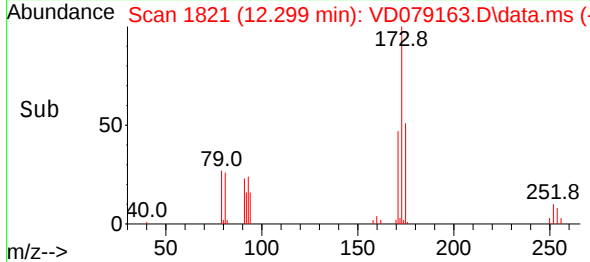
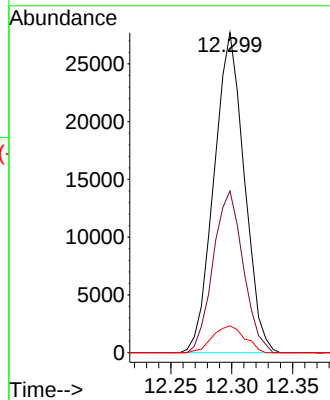
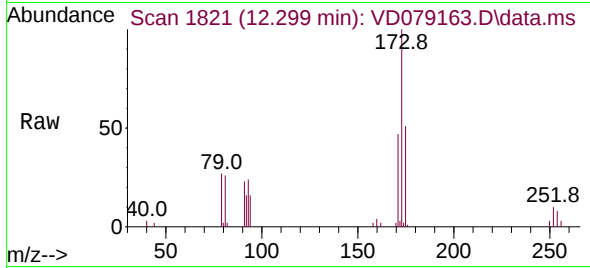
Tgt Ion:173 Resp: 47869

Ion Ratio Lower Upper

173 100

175 50.2 38.2 57.4

254 9.0 7.0 10.6



#60

Isopropylbenzene

Concen: 28.039 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

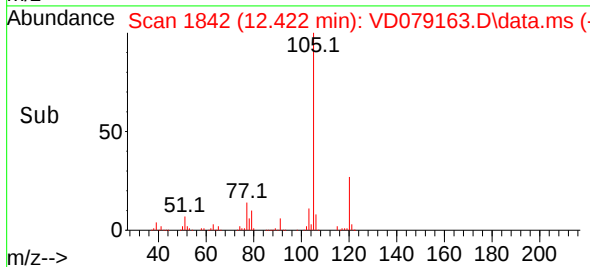
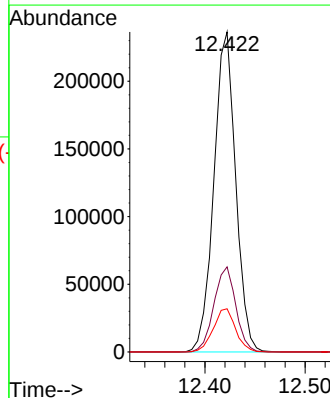
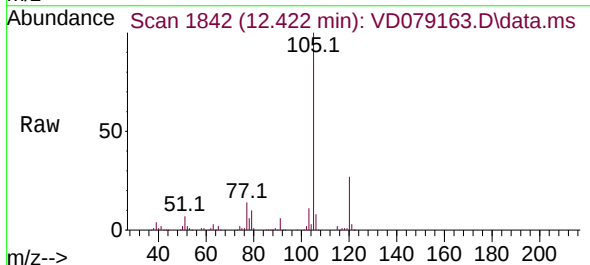
Tgt Ion:105 Resp: 356797

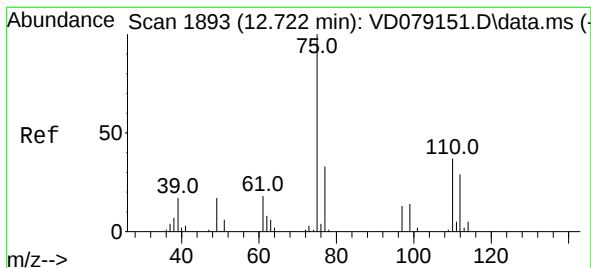
Ion Ratio Lower Upper

105 100

120 26.7 21.9 32.9

77 13.9 10.9 16.3





#61

1,2,3-Trichloropropane

Concen: 30.726 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD079163.D

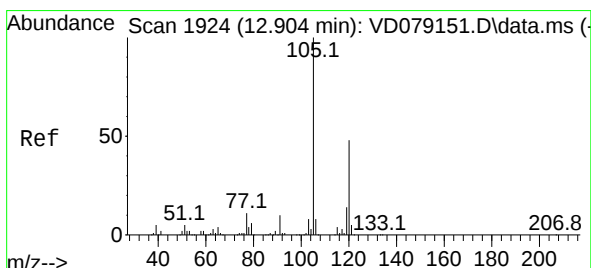
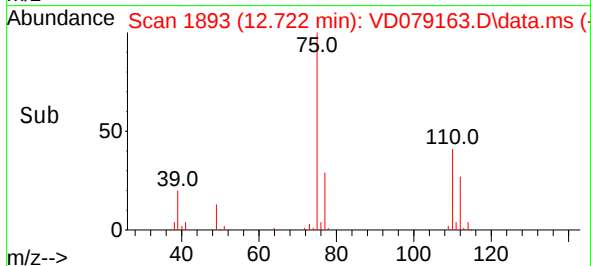
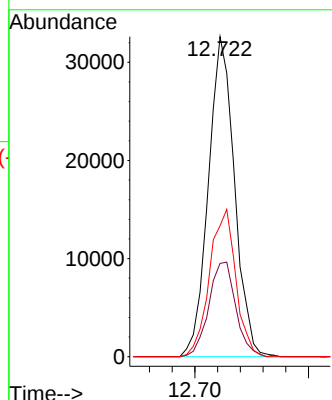
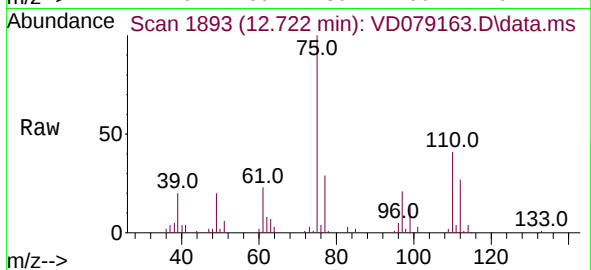
Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 52204 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 30.5  | 25.9  | 38.9  |
| 110       | 46.1  | 34.2  | 51.4  |



#62

1,3,5-Trimethylbenzene

Concen: 27.516 ug/L

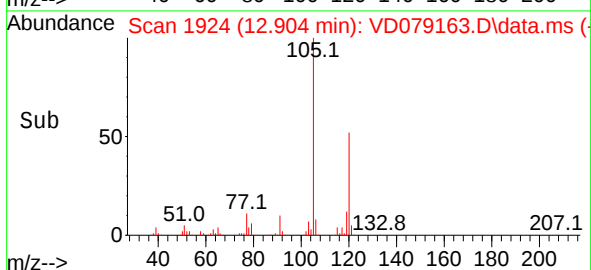
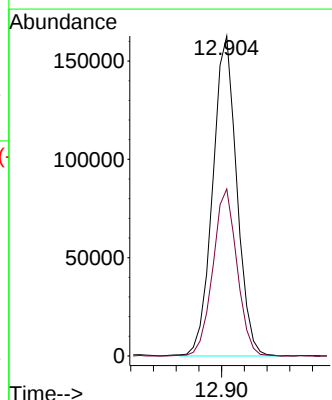
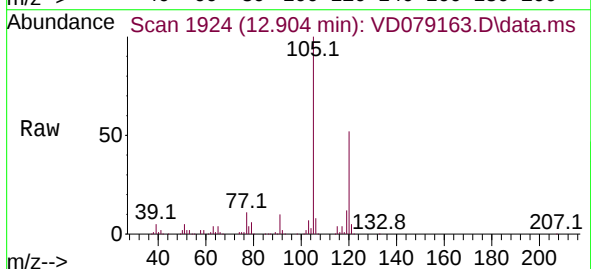
RT: 12.904 min Scan# 1924

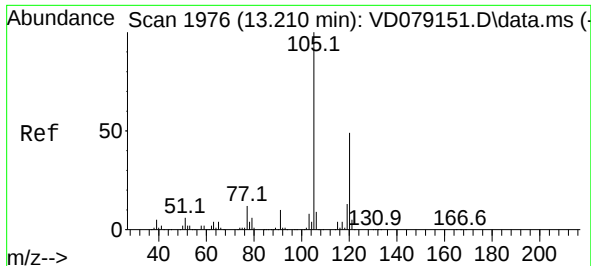
Delta R.T. 0.000 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 239404 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 52.3  | 40.7  | 61.1   |





#63

1,2,4-Trimethylbenzene

Concen: 28.766 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

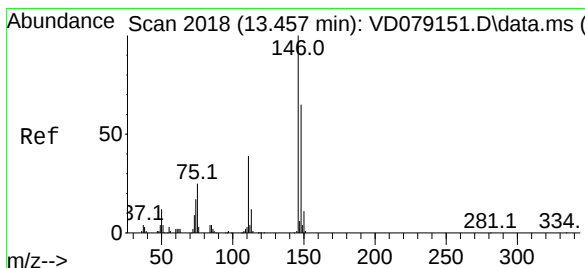
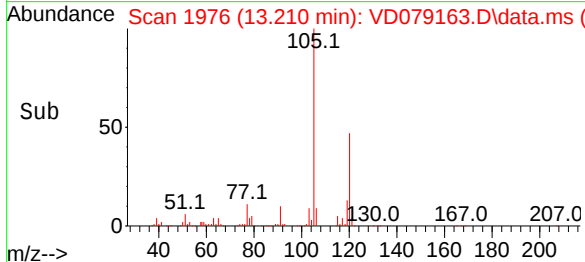
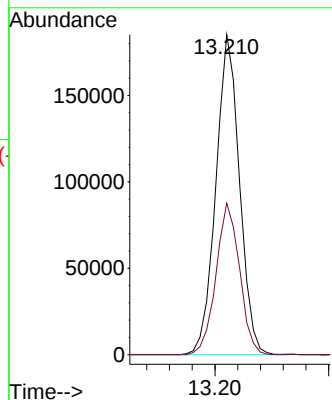
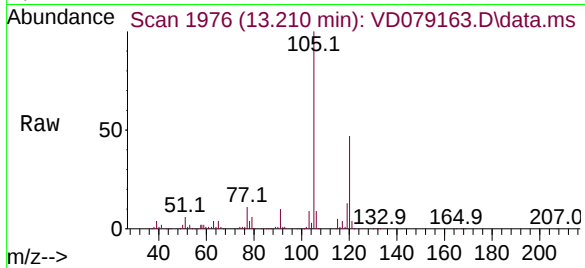
ClientSampleId :

Tgt Ion:105 Resp: 267686

Ion Ratio Lower Upper

105 100

120 47.1 38.0 57.0



#64

1,3-Dichlorobenzene

Concen: 27.259 ug/L

RT: 13.457 min Scan# 1818

Delta R.T. 0.000 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

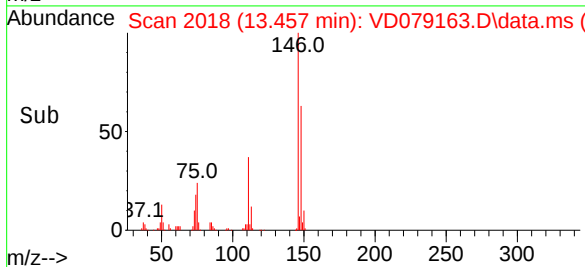
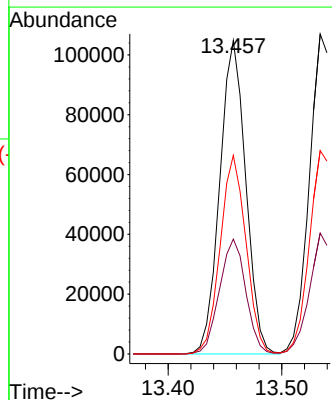
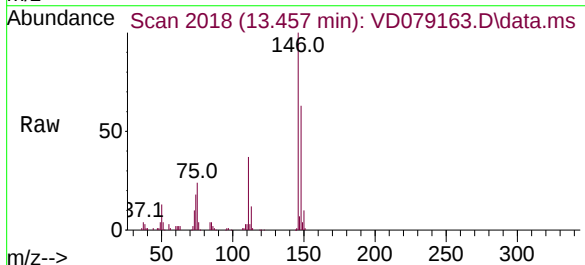
Tgt Ion:146 Resp: 166636

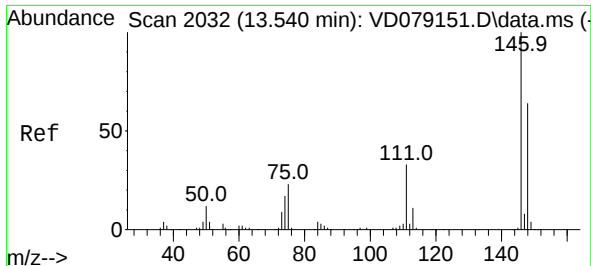
Ion Ratio Lower Upper

146 100

111 36.6 24.4 45.4

148 63.3 44.9 83.3





#65

1,4-Dichlorobenzene

Concen: 26.895 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. -0.006 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

ClientSampleId :

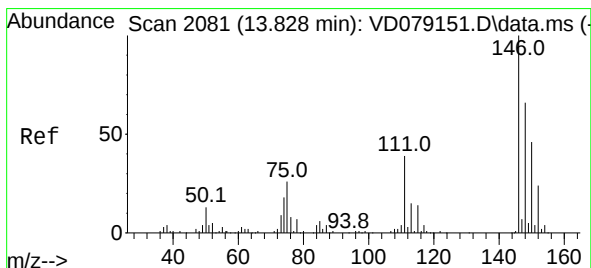
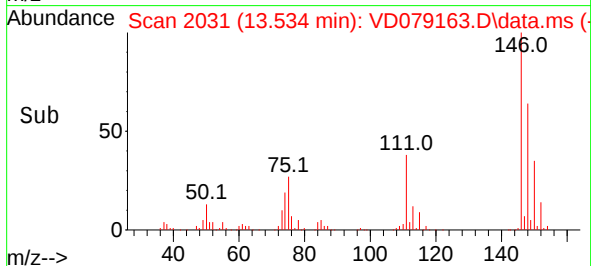
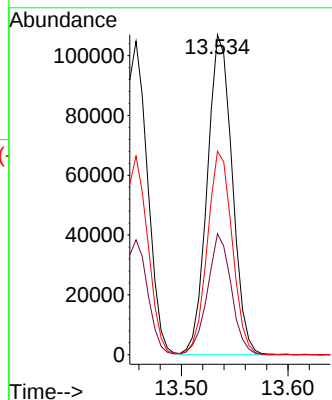
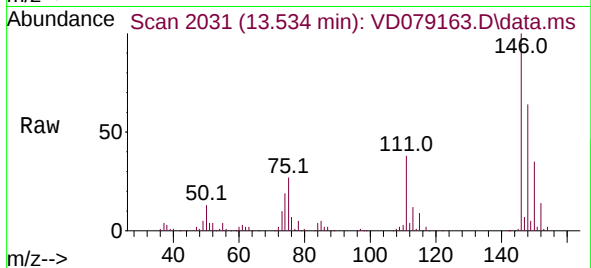
Tgt Ion:146 Resp: 174200

Ion Ratio Lower Upper

146 100

111 37.8 26.3 48.9

148 63.5 43.1 80.1



#67

1,2-Dichlorobenzene

Concen: 27.495 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

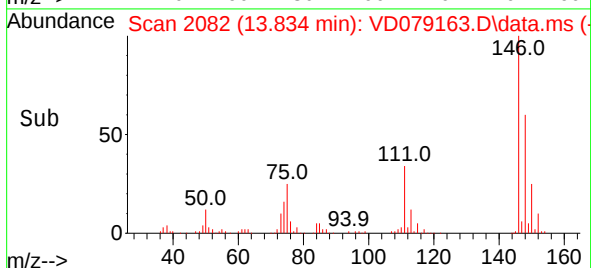
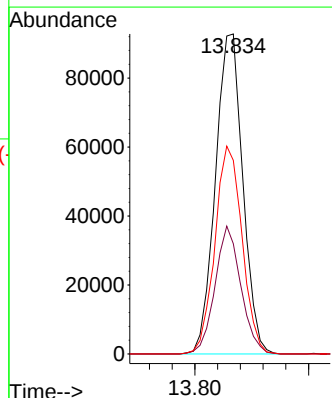
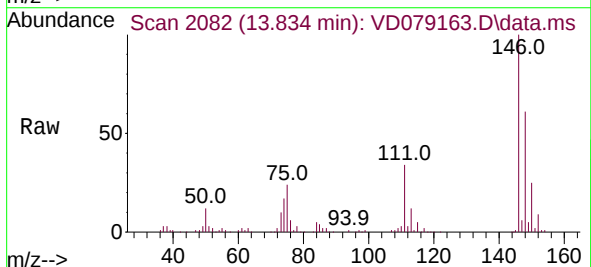
Tgt Ion:146 Resp: 155375

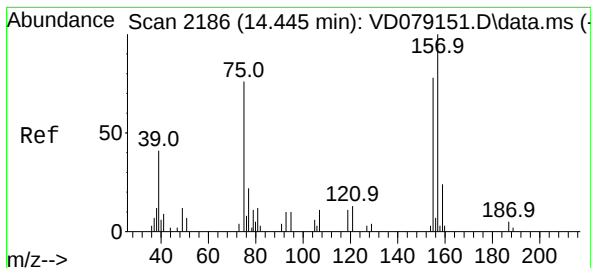
Ion Ratio Lower Upper

146 100

111 34.4 29.1 43.7

148 60.5 51.2 76.8





#68

1,2-Dibromo-3-chloropropane

Concen: 30.778 ug/L

RT: 14.446 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD079163.D

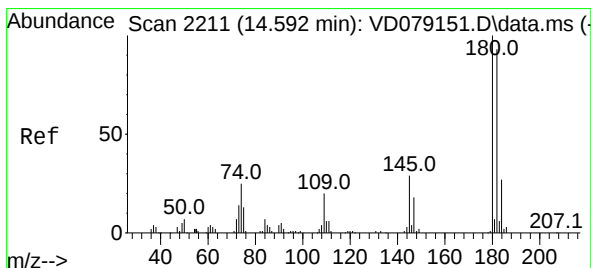
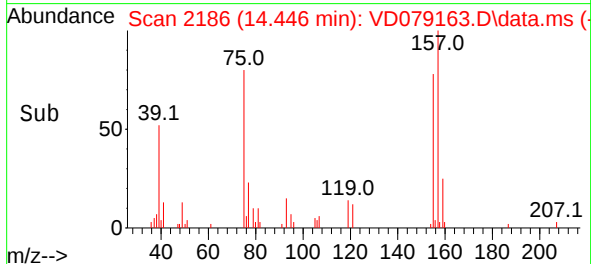
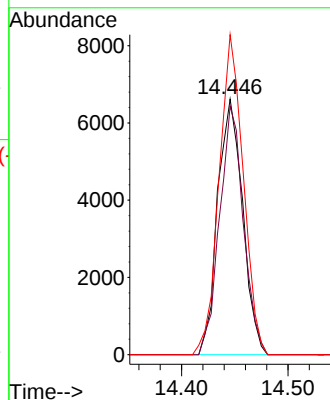
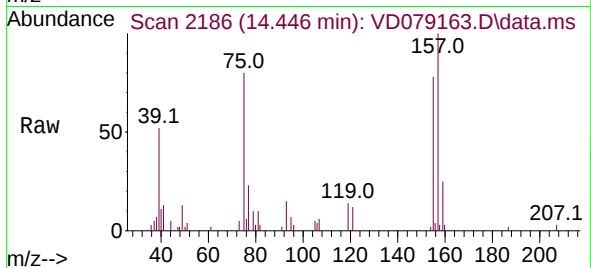
Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10750 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 97.3  | 68.1  | 102.1 |
| 157      | 129.4 | 91.6  | 137.4 |



#69

1,3,5-Trichlorobenzene

Concen: 26.325 ug/L

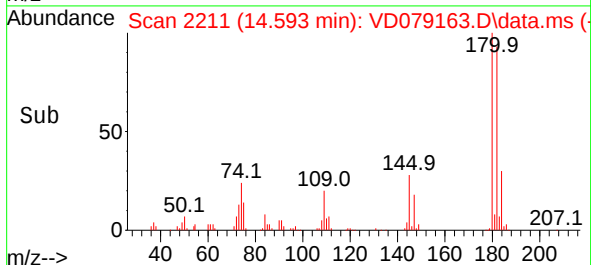
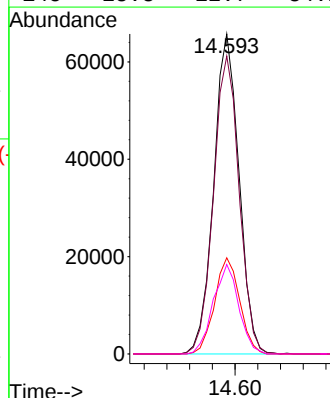
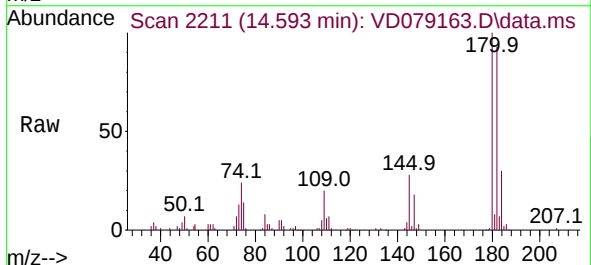
RT: 14.593 min Scan# 2211

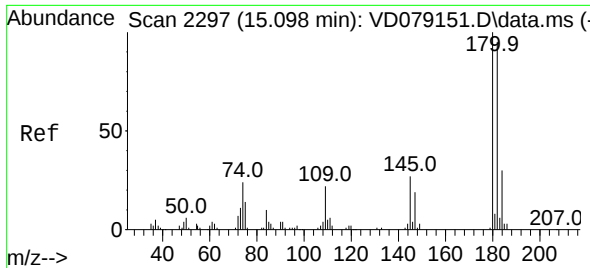
Delta R.T. 0.000 min

Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 101495 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.5  | 76.9  | 115.3  |
| 184      | 29.9  | 23.3  | 34.9   |
| 145      | 28.3  | 22.7  | 34.1   |

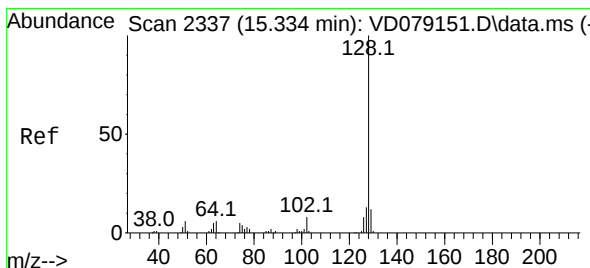
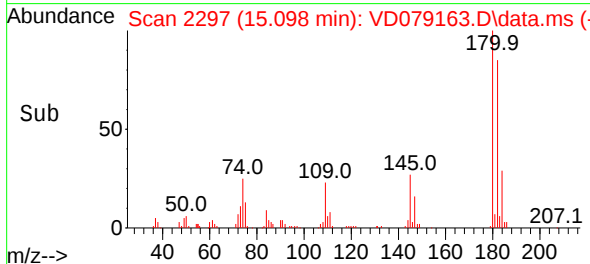
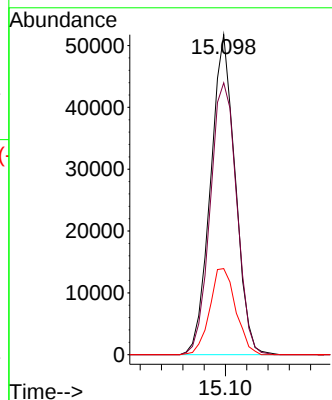
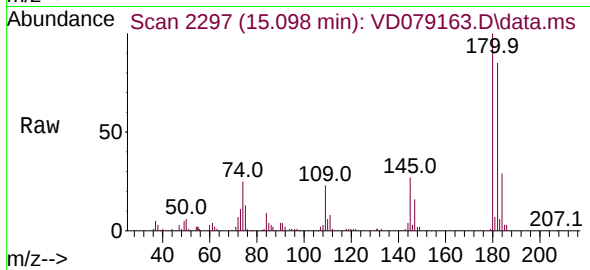




#70  
1,2,4-trichlorobenzene  
Concen: 26.024 ug/L  
RT: 15.098 min Scan# 2297  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

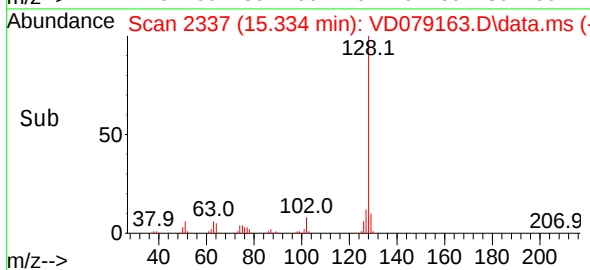
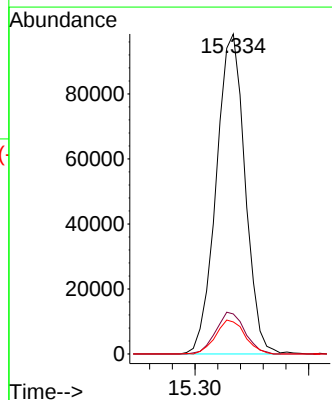
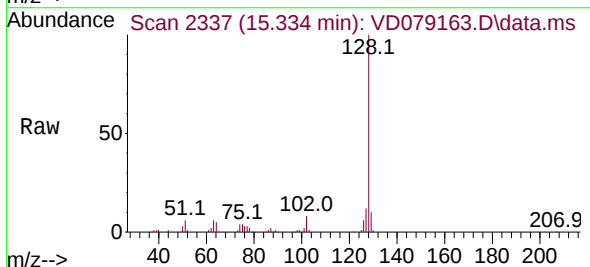
Instrument :  
MSVOA\_D  
ClientSampleId :

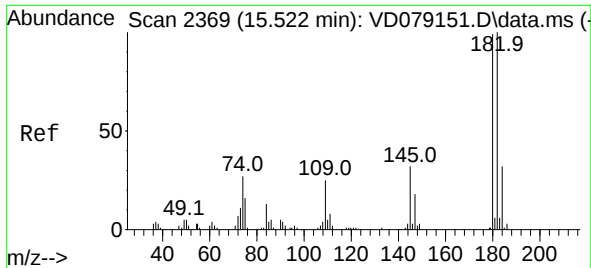
Tgt Ion:180 Resp: 83328  
Ion Ratio Lower Upper  
180 100  
182 91.2 73.8 110.6  
145 28.3 22.3 33.5



#71  
Naphthalene  
Concen: 28.967 ug/L  
RT: 15.334 min Scan# 2337  
Delta R.T. 0.000 min  
Lab File: VD079163.D  
Acq: 11 Jun 2024 15:09

Tgt Ion:128 Resp: 173467  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.8 16.2  
129 10.7 8.5 12.7





#72

1,2,3-Trichlorobenzene

Concen: 28.481 ug/L

RT: 15.522 min Scan# 24

Delta R.T. 0.000 min

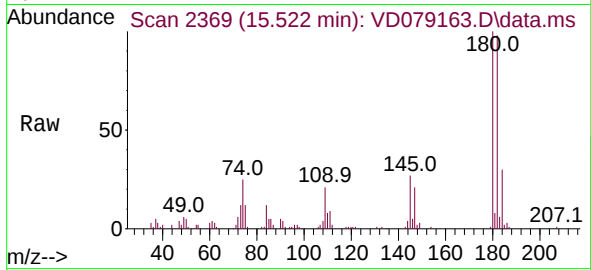
Lab File: VD079163.D

Acq: 11 Jun 2024 15:09

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion:180 Resp: 78819

Ion Ratio Lower Upper

180 100

182 96.5 79.4 119.2

145 29.8 24.7 37.1

