

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061824\  
 Data File : VD079203.D  
 Acq On : 18 Jun 2024 16:27  
 Operator : RP/MD  
 Sample : VSTDCCC025EC  
 Misc : 2.95G/10ml/MSVOA\_D/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jun 19 07:19:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 19 07:16:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 190423   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 190101   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 100346   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.269  | 65    | 135638   | 23.147   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 92.600%  |
| 7) Chloroethane-d5            | 2.793  | 69    | 121689   | 21.477   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 85.920%  |
| 11) 1,1-Dichloroethene-d2     | 3.916  | 65    | 25969    | 24.964   | ug/L   | 0.01     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 99.840%  |
| 21) 2-Butanone-d5             | 6.987  | 46    | 25191    | 56.204   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.400% |
| 24) Chloroform-d              | 7.563  | 84    | 134254   | 25.215   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 100.880% |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 63543    | 25.871   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 103.480% |
| 32) Benzene-d6                | 8.199  | 84    | 273253   | 25.929   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 103.720% |
| 36) 1,2-Dichloropropane-d6    | 9.204  | 67    | 75424    | 24.846   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 99.400%  |
| 41) Toluene-d8                | 10.263 | 98    | 260384   | 26.388   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 105.560% |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 33463    | 26.226   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 104.920% |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 23245    | 59.231   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 118.460% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.645 | 84    | 74237    | 27.609   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 110.440% |
| 66) 1,2-Dichlorobenzene-d4    | 13.810 | 152   | 89181    | 25.751   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 103.000% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 61570    | 20.425   | ug/L   | 100      |
| 3) Chloromethane              | 2.146  | 50    | 126660   | 31.526   | ug/L   | 95       |
| 5) Vinyl chloride             | 2.275  | 62    | 168394   | 25.394   | ug/L   | 98       |
| 6) Bromomethane               | 2.687  | 94    | 100503   | 19.632   | ug/L   | 95       |
| 8) Chloroethane               | 2.834  | 64    | 115482   | 23.760   | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.169  | 101   | 132503   | 26.230   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.952  | 101   | 79101    | 26.113   | ug/L # | 86       |
| 12) 1,1-Dichloroethene        | 3.934  | 96    | 77420    | 29.357   | ug/L   | 94       |
| 13) Acetone                   | 4.016  | 43    | 44681    | 68.858   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.263  | 76    | 269354   | 29.279   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.552  | 43    | 11868    | 13.424   | ug/L # | 24       |
| 16) Methylene chloride        | 4.793  | 84    | 87759    | 25.865   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 5.299  | 96    | 77552    | 27.211   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73    | 141358   | 27.966   | ug/L # | 82       |
| 19) 1,1-Dichloroethane        | 6.105  | 63    | 122967   | 26.799   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 85029    | 28.653   | ug/L   | 94       |
| 22) 2-Butanone                | 7.081  | 43    | 38365    | 56.282   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.422  | 128   | 42691    | 28.375   | ug/L   | 96       |
| 25) Chloroform                | 7.593  | 83    | 146615   | 28.143   | ug/L   | 88       |

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 ALS Vial : 11 Sample Multiplier: 1

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 MSVOA\_D  
 ClientSampleId :

Quant Time: Jun 19 07:19:05 2024  
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 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 19 07:16:52 2024  
 Response via : Initial Calibration

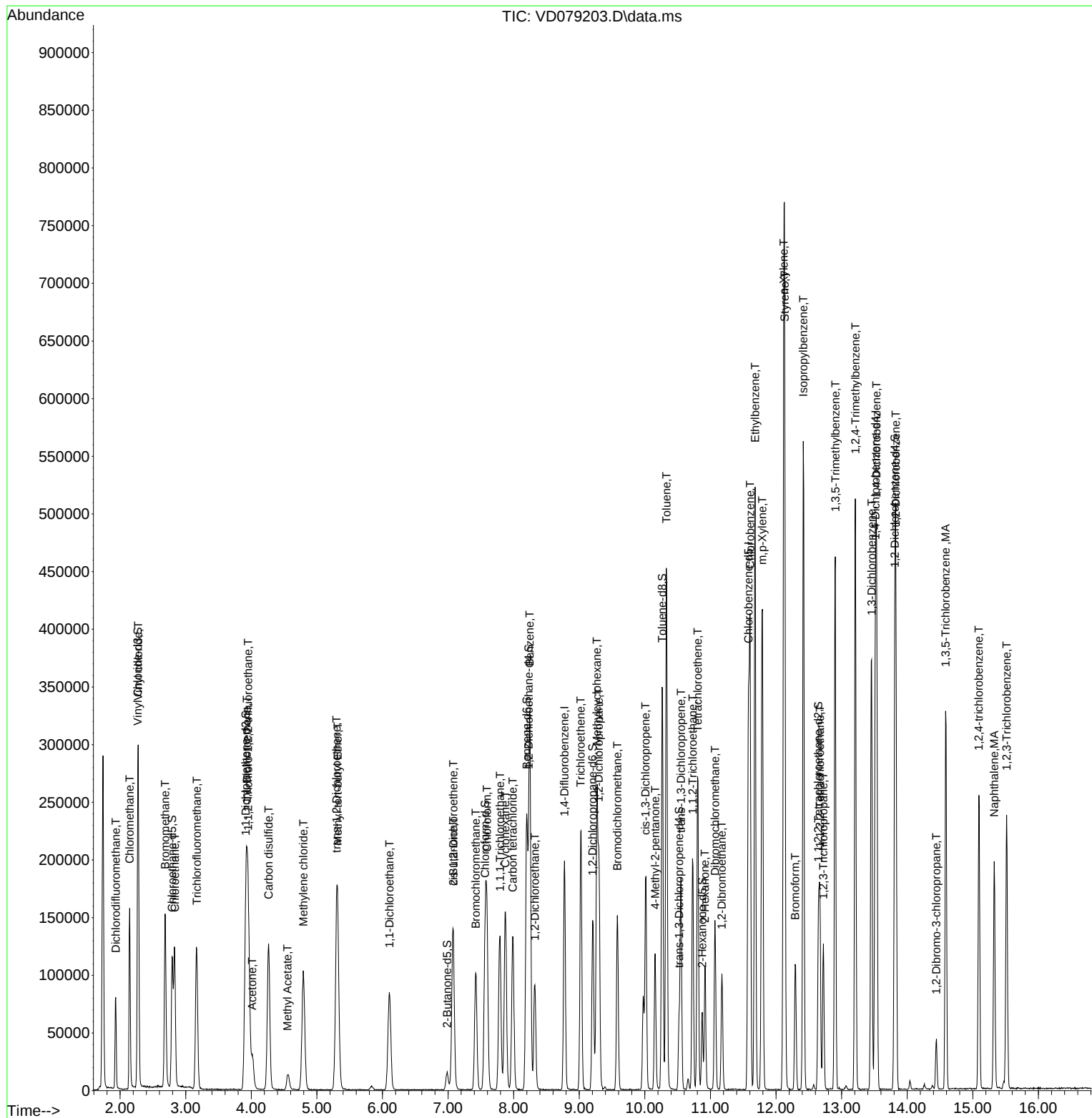
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 83183    | 27.506 | ug/L # | 92       |
| 29) Cyclohexane               | 7.875  | 56   | 77411    | 22.569 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 115951   | 25.763 | ug/L   | 100      |
| 31) Carbon tetrachloride      | 7.987  | 117  | 103929   | 24.849 | ug/L   | 98       |
| 33) Benzene                   | 8.246  | 78   | 320246   | 28.284 | ug/L   | 100      |
| 34) Trichloroethene           | 9.022  | 95   | 79083    | 27.119 | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.269  | 83   | 110002   | 22.765 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.298  | 63   | 76477    | 27.576 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.581  | 83   | 105290   | 27.310 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.010 | 75   | 119148   | 27.521 | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 70723    | 61.088 | ug/L   | 97       |
| 42) Toluene                   | 10.328 | 91   | 357885   | 28.465 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 104742   | 28.610 | ug/L   | 93       |
| 45) 1,1,2-Trichloroethane     | 10.728 | 97   | 69096    | 28.399 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.804 | 164  | 66626    | 25.947 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.916 | 43   | 60942    | 60.833 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.069 | 129  | 81114    | 28.153 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.175 | 107  | 66762    | 29.857 | ug/L # | 100      |
| 51) Chlorobenzene             | 11.604 | 112  | 234176   | 27.993 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.681 | 91   | 372396   | 28.396 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.792 | 106  | 150309   | 29.213 | ug/L   | 94       |
| 54) o-Xylene                  | 12.116 | 106  | 145134   | 29.196 | ug/L   | 92       |
| 55) Styrene                   | 12.134 | 104  | 268267   | 30.435 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 79920    | 29.345 | ug/L   | 96       |
| 59) Bromoform                 | 12.292 | 173  | 52388    | 28.485 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.416 | 105  | 370426   | 27.918 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 51498    | 29.068 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 254286   | 28.030 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 276241   | 28.469 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 178396   | 27.987 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 186327   | 27.588 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 161160   | 27.350 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 9934     | 27.277 | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.586 | 180  | 109257   | 27.177 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.092 | 180  | 90530    | 27.114 | ug/L   | 99       |
| 71) Naphthalene               | 15.328 | 128  | 177078   | 28.359 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 83914    | 29.079 | ug/L   | 97       |

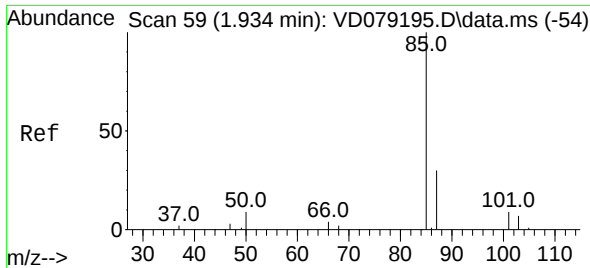
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Quant Title : SFAM01.0  
QLast Update : Wed Jun 19 07:16:52 2024  
Response via : Initial Calibration

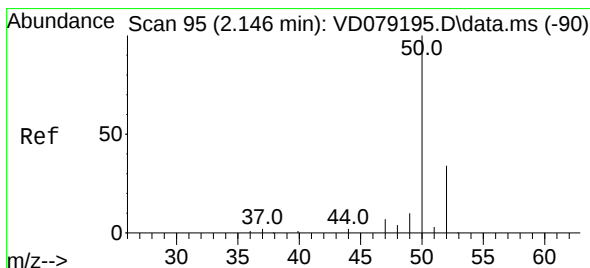
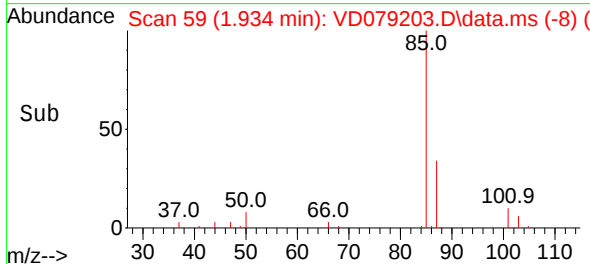
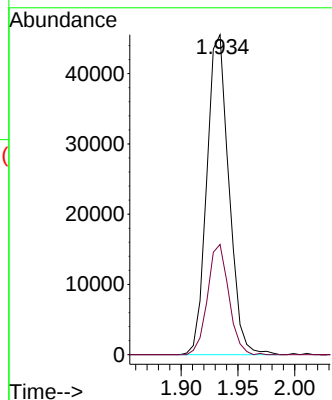
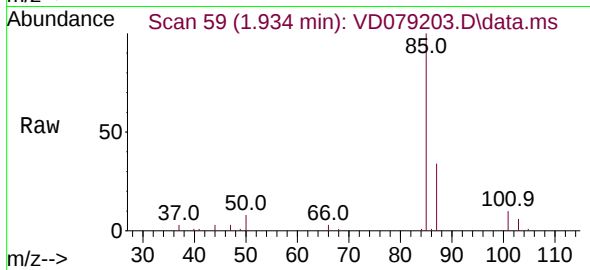




#2  
Dichlorodifluoromethane  
Concen: 20.425 ug/L  
RT: 1.934 min Scan# 59  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

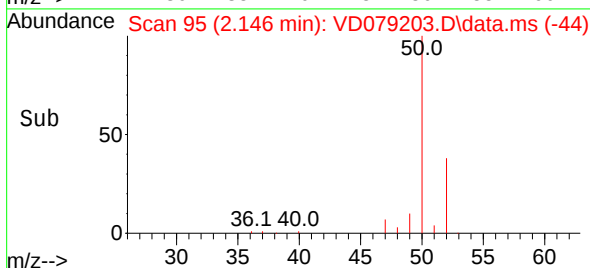
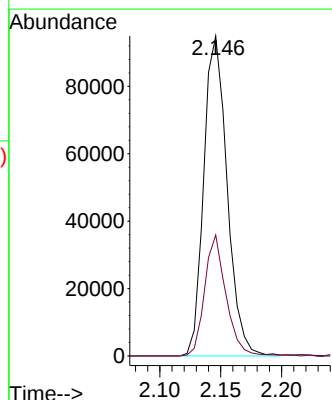
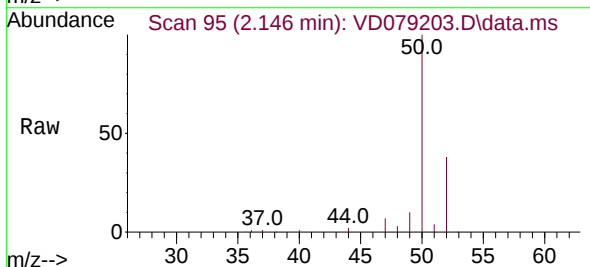
Instrument :  
MSVOA\_D  
ClientSampleId :

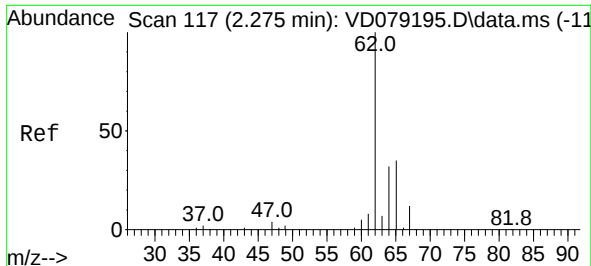
Tgt Ion: 85 Resp: 61570  
Ion Ratio Lower Upper  
85 100  
87 33.0 26.2 39.4



#3  
Chloromethane  
Concen: 31.526 ug/L  
RT: 2.146 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Tgt Ion: 50 Resp: 126660  
Ion Ratio Lower Upper  
50 100  
52 37.8 24.4 45.2

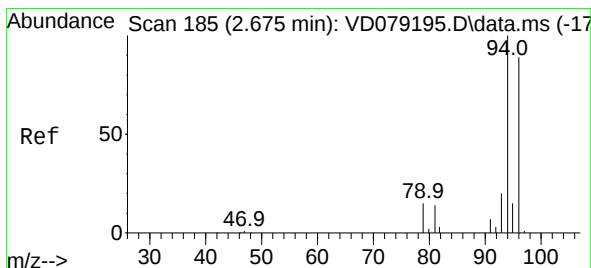
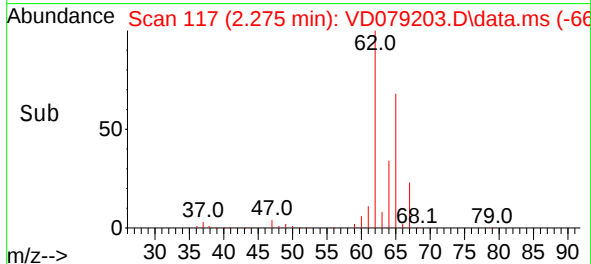
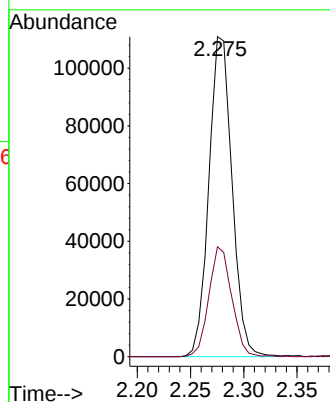
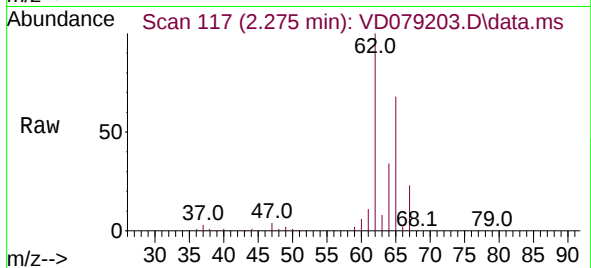




#5  
Vinyl chloride  
Concen: 25.394 ug/L  
RT: 2.275 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

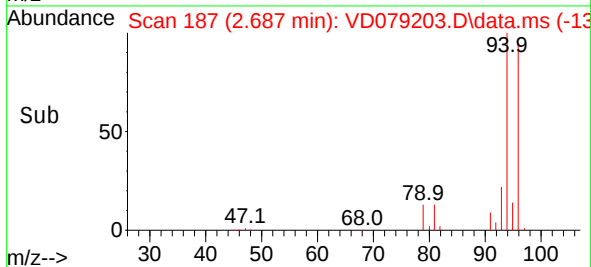
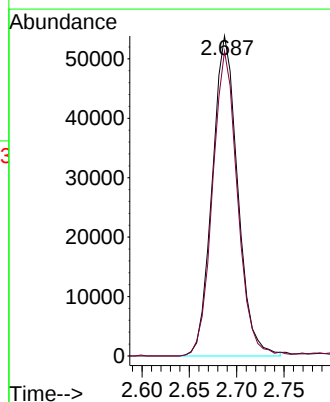
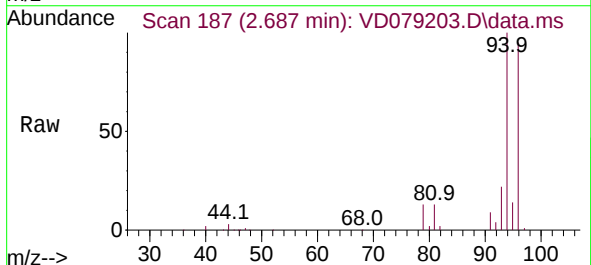
Instrument :  
MSVOA\_D  
ClientSampleId :

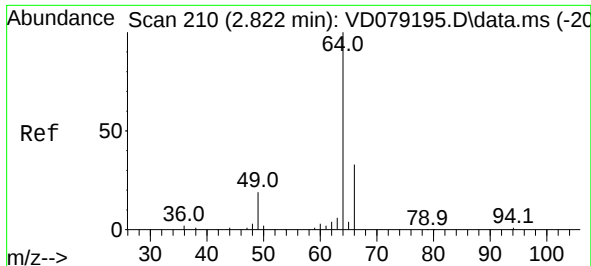
Tgt Ion: 62 Resp: 168394  
Ion Ratio Lower Upper  
62 100  
64 34.3 24.8 46.1



#6  
Bromomethane  
Concen: 19.632 ug/L  
RT: 2.687 min Scan# 187  
Delta R.T. 0.012 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Tgt Ion: 94 Resp: 100503  
Ion Ratio Lower Upper  
94 100  
96 95.3 63.6 118.2

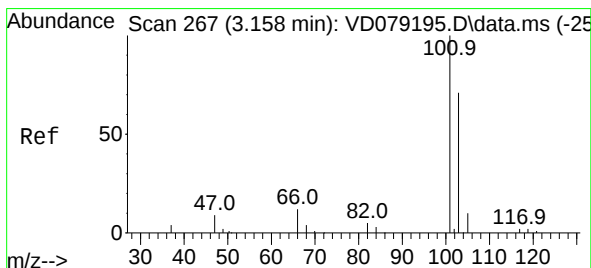
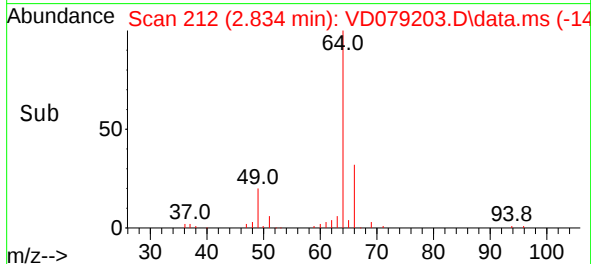
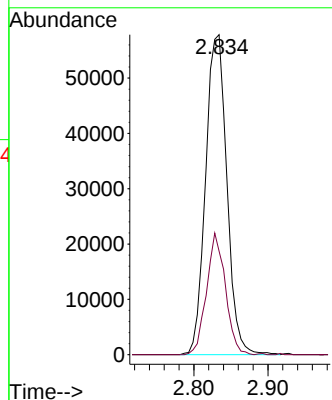
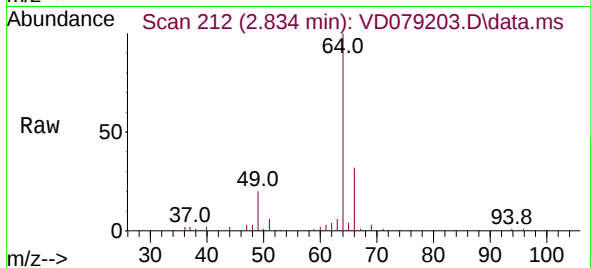




#8  
Chloroethane  
Concen: 23.760 ug/L  
RT: 2.834 min Scan# 210  
Delta R.T. 0.012 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

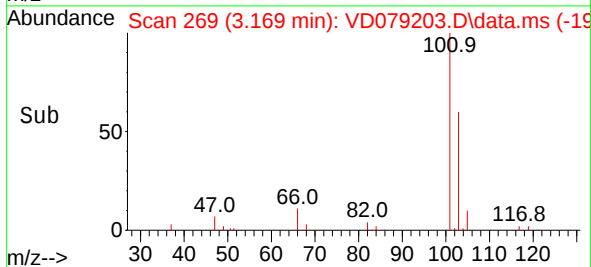
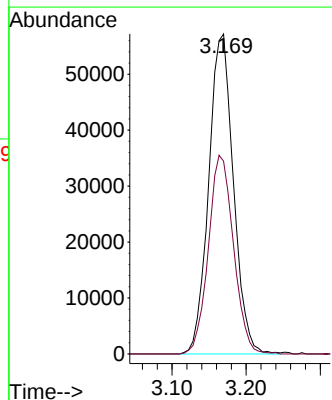
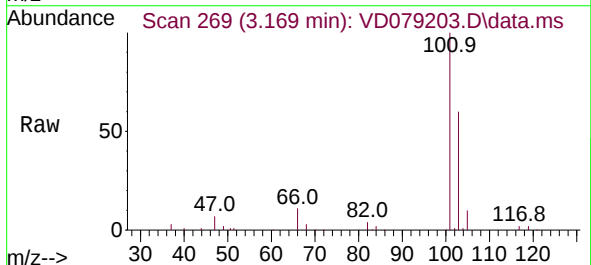
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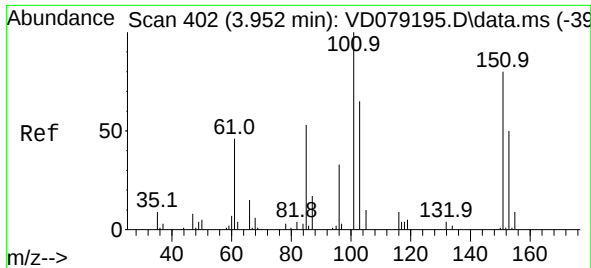
Tgt Ion: 64 Resp: 115482  
Ion Ratio Lower Upper  
64 100  
66 32.3 24.8 46.1



#9  
Trichlorofluoromethane  
Concen: 26.230 ug/L  
RT: 3.169 min Scan# 269  
Delta R.T. 0.012 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Tgt Ion:101 Resp: 132503  
Ion Ratio Lower Upper  
101 100  
103 63.1 52.6 79.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 26.113 ug/L

RT: 3.952 min Scan# 402

Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

ClientSampleId :

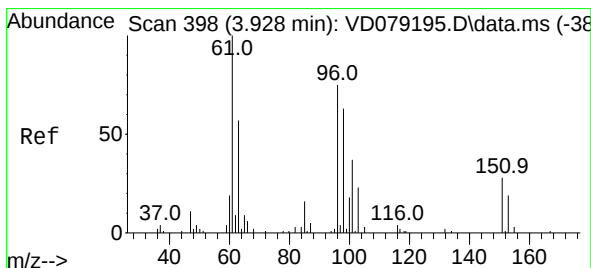
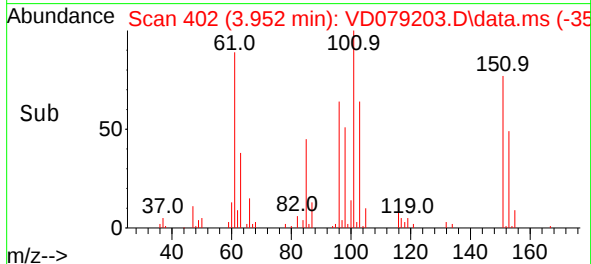
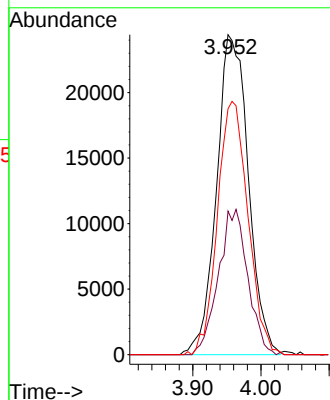
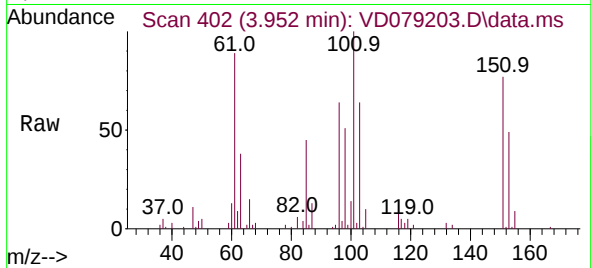
Tgt Ion:101 Resp: 79101

Ion Ratio Lower Upper

101 100

85 22.0 35.4 53.0#

151 76.0 59.1 88.7



#12

1,1-Dichloroethene

Concen: 29.357 ug/L

RT: 3.934 min Scan# 399

Delta R.T. 0.006 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

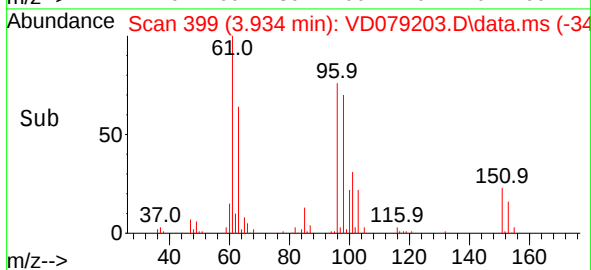
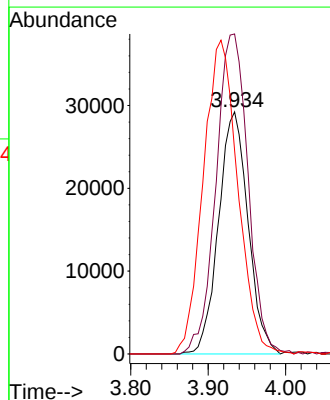
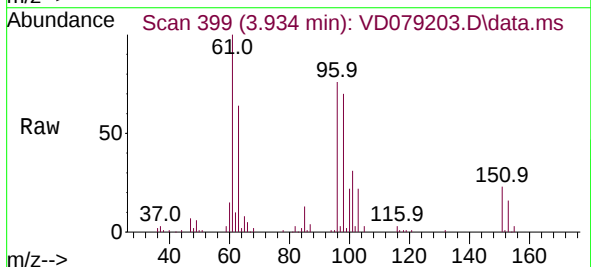
Tgt Ion: 96 Resp: 77420

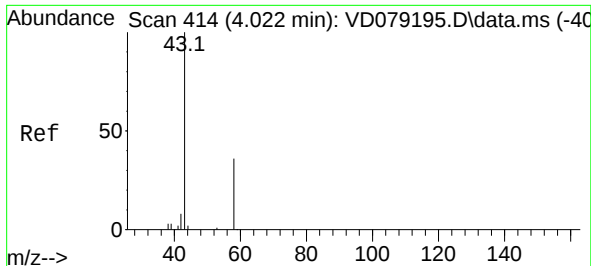
Ion Ratio Lower Upper

96 100

61 132.2 93.9 174.3

63 84.1 67.7 125.7





#13

Acetone

Concen: 68.858 ug/L

RT: 4.016 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

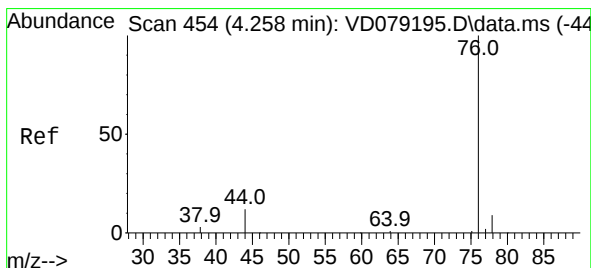
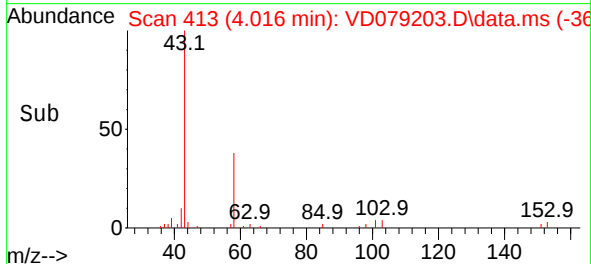
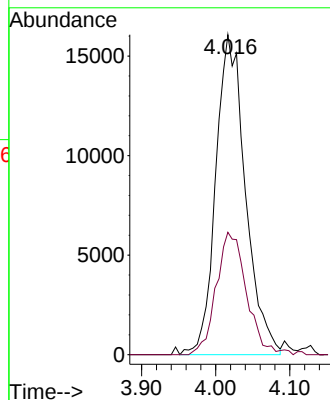
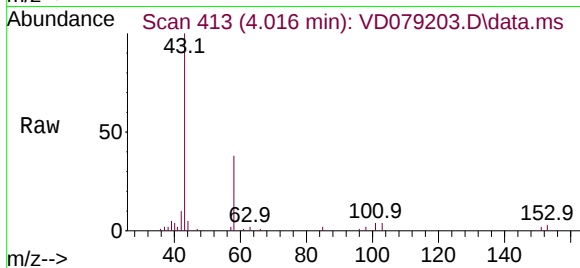
ClientSampleId :

Tgt Ion: 43 Resp: 44681

Ion Ratio Lower Upper

43 100

58 38.1 0.0 78.2



#14

Carbon disulfide

Concen: 29.279 ug/L

RT: 4.263 min Scan# 455

Delta R.T. 0.006 min

Lab File: VD079203.D

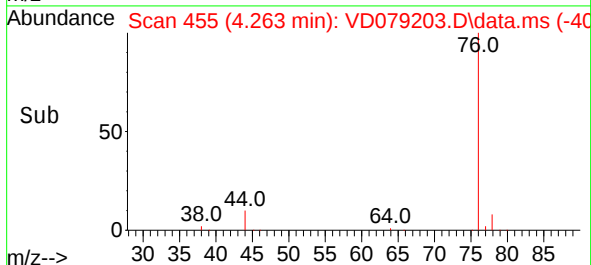
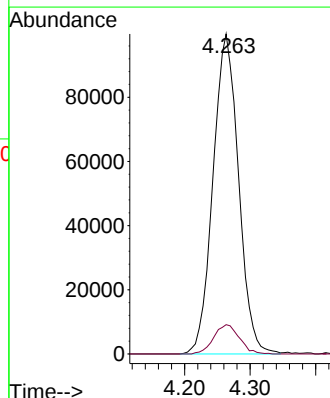
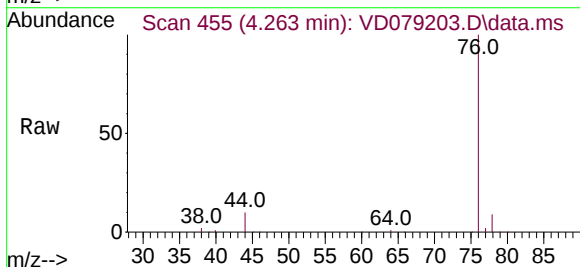
Acq: 18 Jun 2024 16:27

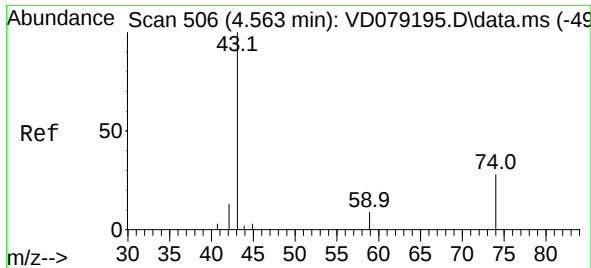
Tgt Ion: 76 Resp: 269354

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#15

Methyl Acetate

Concen: 13.424 ug/L

RT: 4.552 min Scan# 506

Delta R.T. -0.012 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

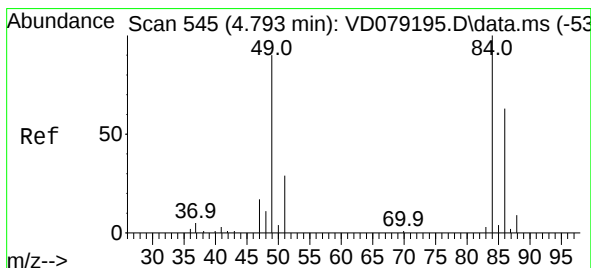
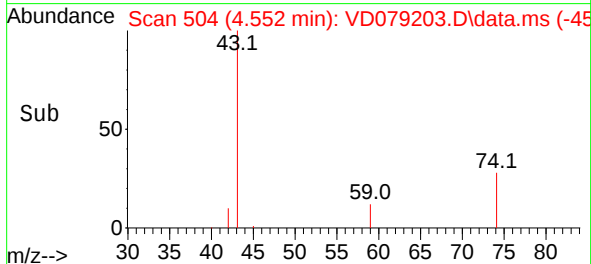
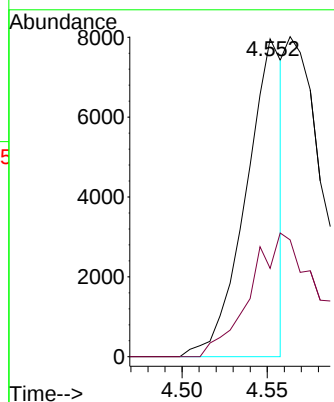
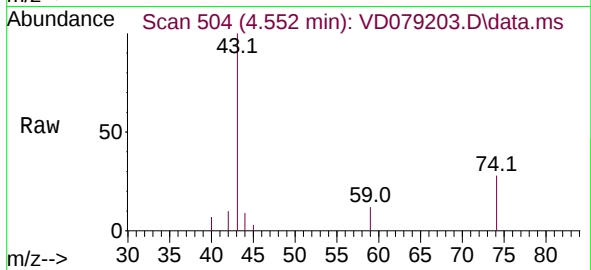
ClientSampleId :

Tgt Ion: 43 Resp: 11868

Ion Ratio Lower Upper

43 100

74 70.8 23.8 35.6#



#16

Methylene chloride

Concen: 25.865 ug/L

RT: 4.793 min Scan# 545

Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

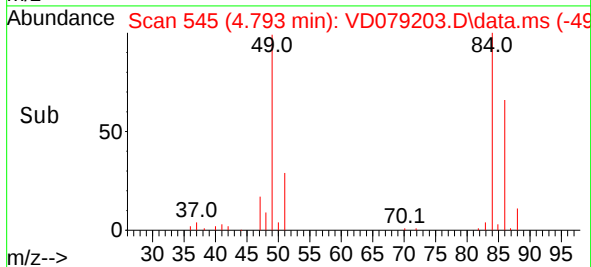
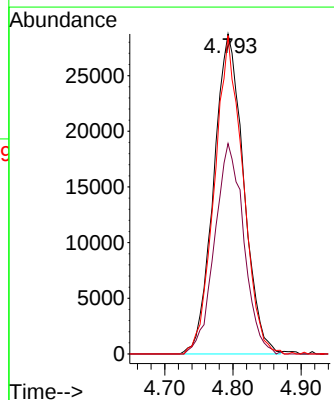
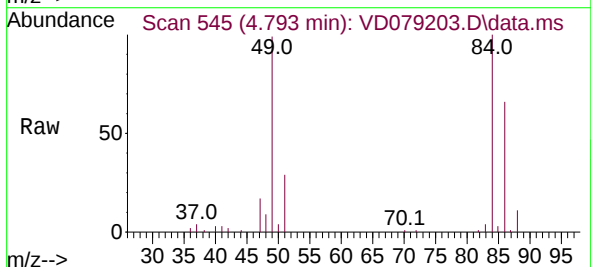
Tgt Ion: 84 Resp: 87759

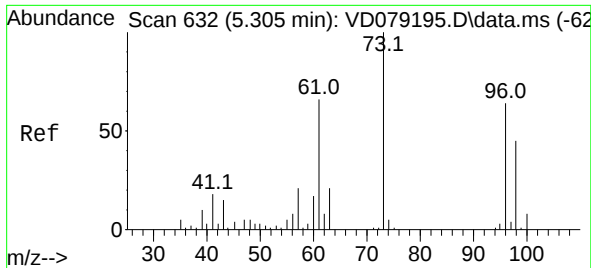
Ion Ratio Lower Upper

84 100

86 65.7 40.9 76.0

49 99.5 67.5 125.3





#17

trans-1,2-Dichloroethene

Concen: 27.211 ug/L

RT: 5.299 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

ClientSampleId :

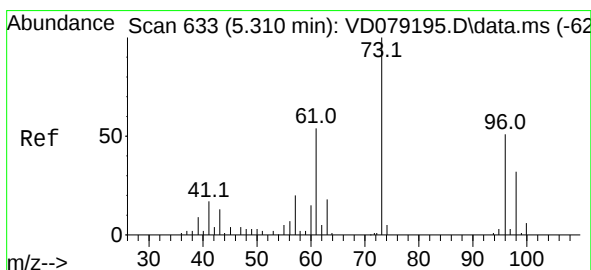
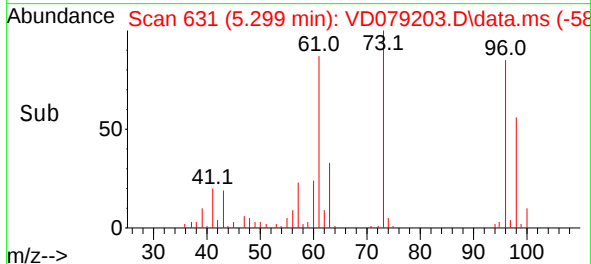
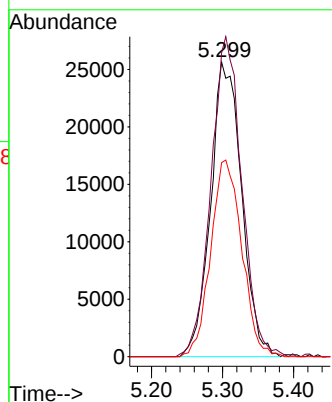
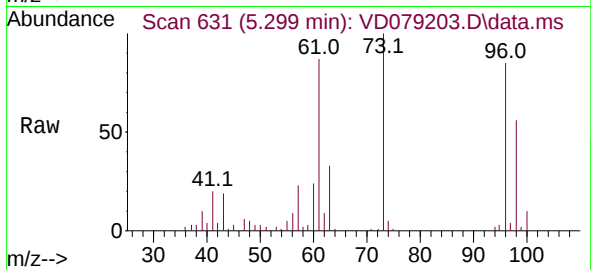
Tgt Ion: 96 Resp: 77552

Ion Ratio Lower Upper

96 100

61 103.3 71.9 133.5

98 65.9 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 27.966 ug/L

RT: 5.316 min Scan# 634

Delta R.T. 0.006 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

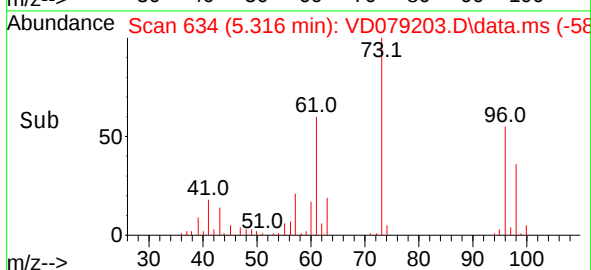
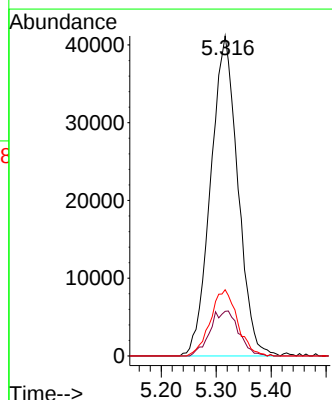
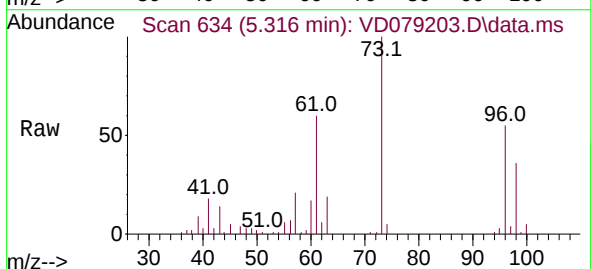
Tgt Ion: 73 Resp: 141358

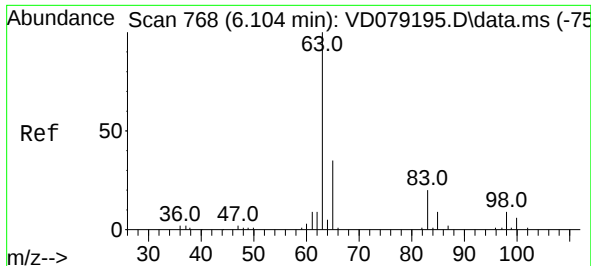
Ion Ratio Lower Upper

73 100

43 9.2 12.0 18.0#

57 20.6 9.6 14.4#





#19

1,1-Dichloroethane

Concen: 26.799 ug/L

RT: 6.105 min Scan# 7

Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

ClientSampleId :

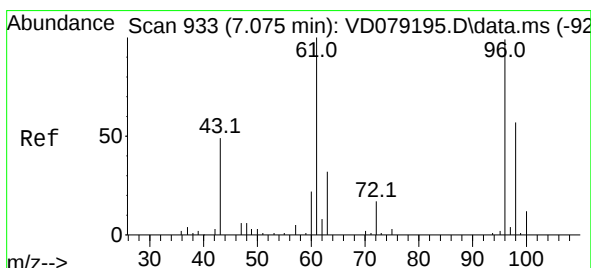
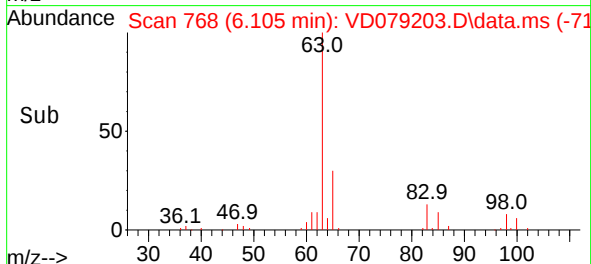
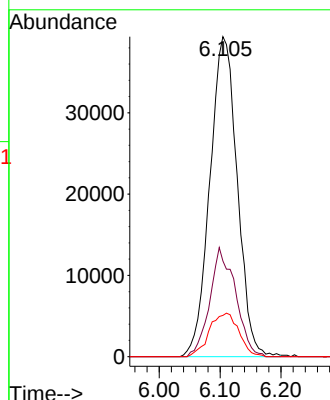
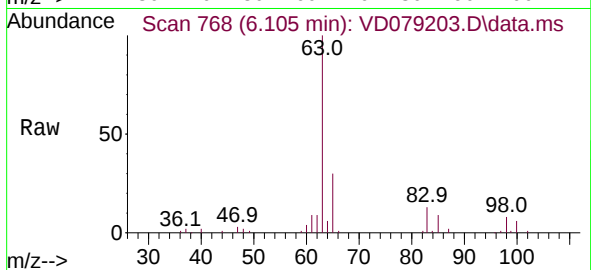
Tgt Ion: 63 Resp: 122967

Ion Ratio Lower Upper

63 100

65 29.9 22.8 42.4

83 12.9 8.6 16.0



#20

cis-1,2-Dichloroethene

Concen: 28.653 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

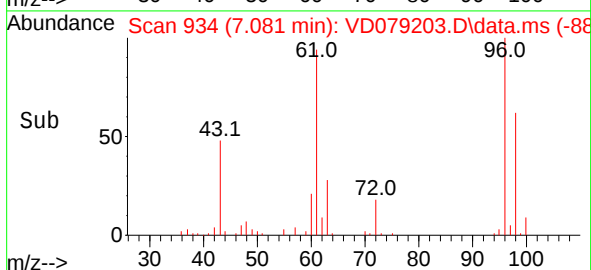
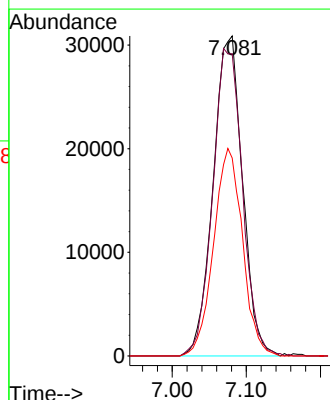
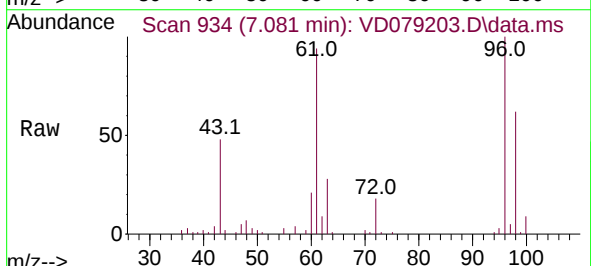
Tgt Ion: 96 Resp: 85029

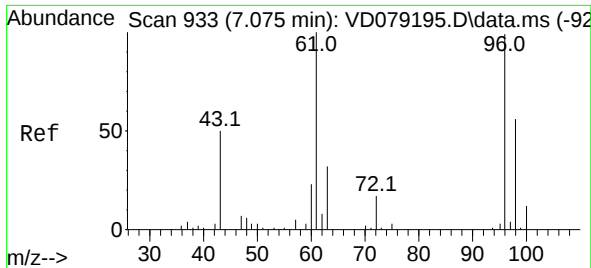
Ion Ratio Lower Upper

96 100

61 94.4 72.6 134.8

98 61.8 43.8 81.3

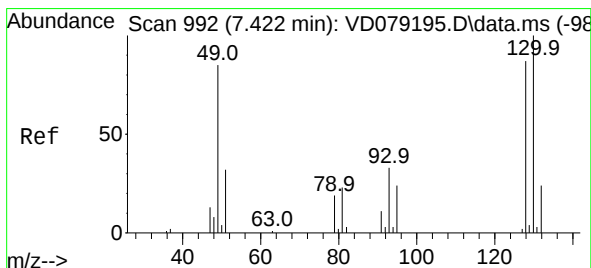
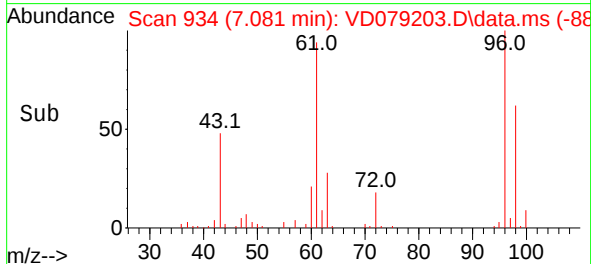
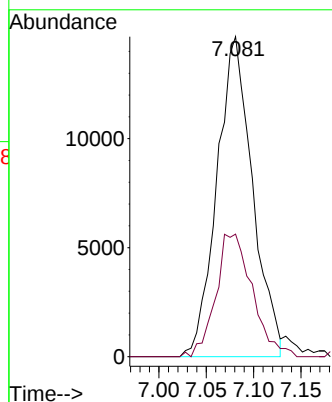
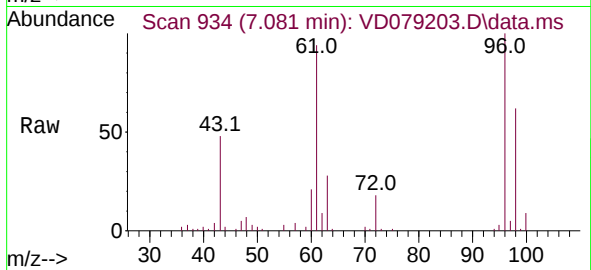




#22  
2-Butanone  
Concen: 56.282 ug/L  
RT: 7.081 min Scan# 934  
Delta R.T. 0.006 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

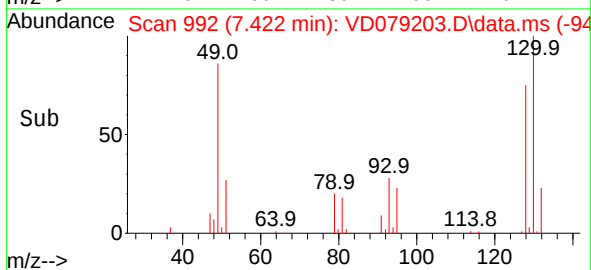
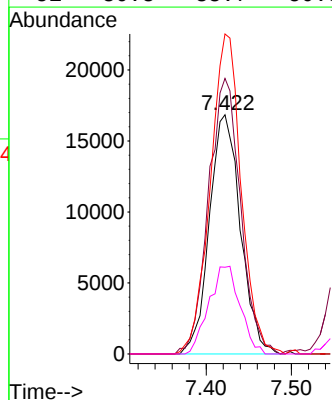
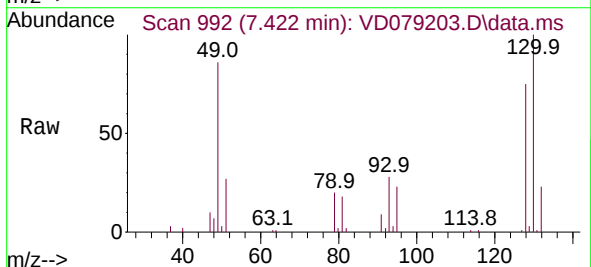
Instrument :  
MSVOA\_D  
ClientSampleId :

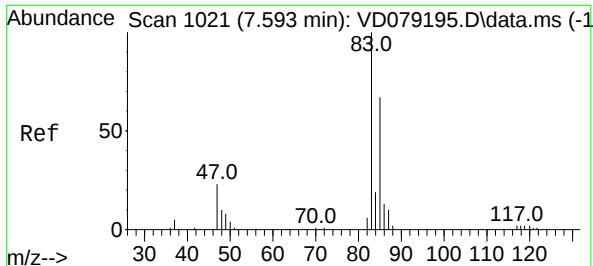
Tgt Ion: 43 Resp: 38365  
Ion Ratio Lower Upper  
43 100  
72 39.2 19.3 57.8



#23  
Bromochloromethane  
Concen: 28.375 ug/L  
RT: 7.422 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Tgt Ion:128 Resp: 42691  
Ion Ratio Lower Upper  
128 100  
49 115.1 81.8 151.8  
130 133.8 90.4 167.8  
51 36.3 33.7 50.5

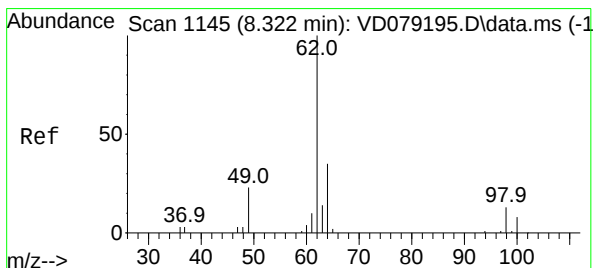
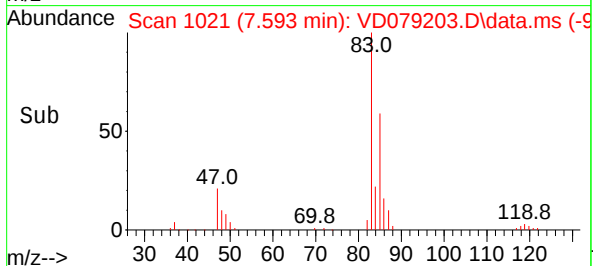
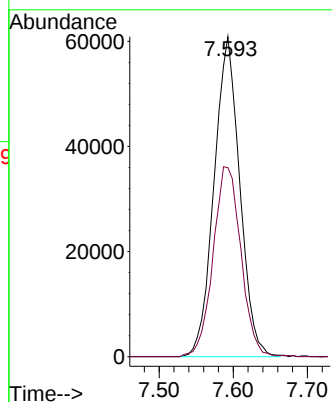
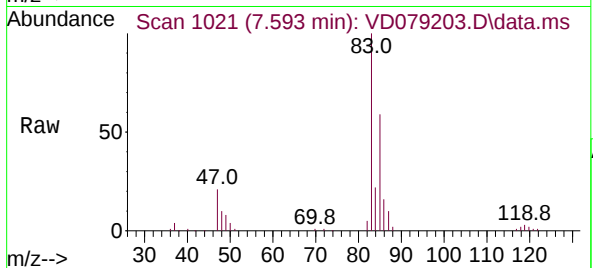




#25  
Chloroform  
Concen: 28.143 ug/L  
RT: 7.593 min Scan# 1021  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

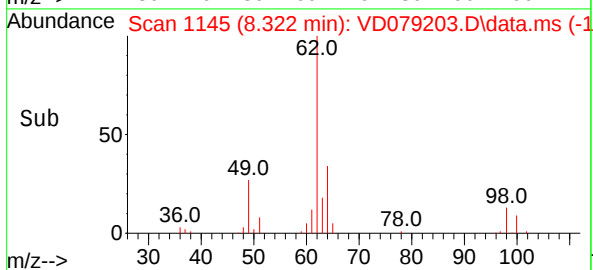
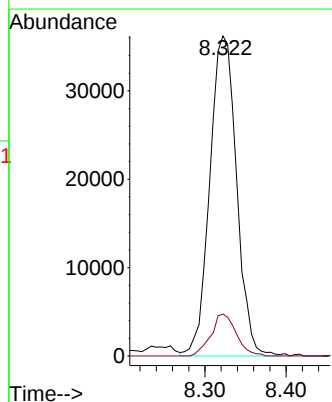
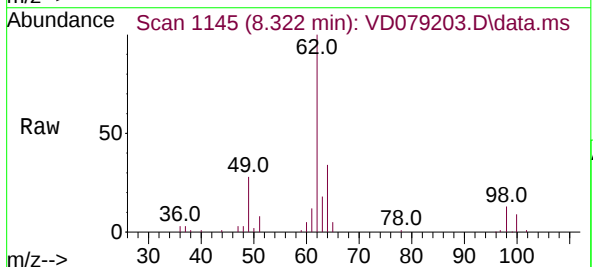
Instrument :  
MSVOA\_D  
ClientSampleId :

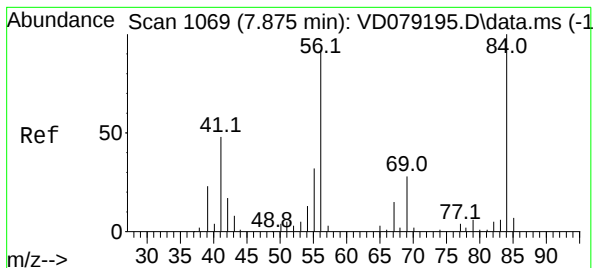
Tgt Ion: 83 Resp: 146615  
Ion Ratio Lower Upper  
83 100  
85 59.1 47.9 89.1



#27  
1,2-Dichloroethane  
Concen: 27.506 ug/L  
RT: 8.322 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Tgt Ion: 62 Resp: 83183  
Ion Ratio Lower Upper  
62 100  
98 13.1 8.2 12.4#





#29

Cyclohexane

Concen: 22.569 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

ClientSampleId :

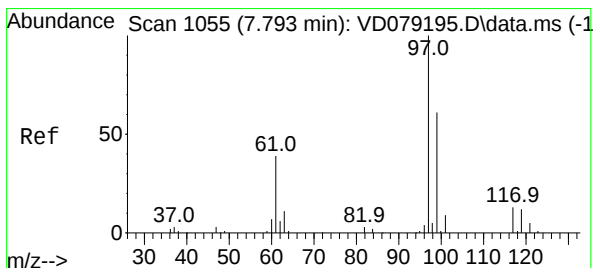
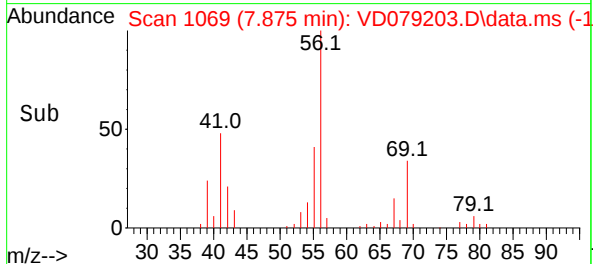
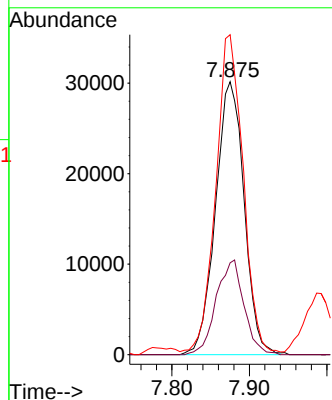
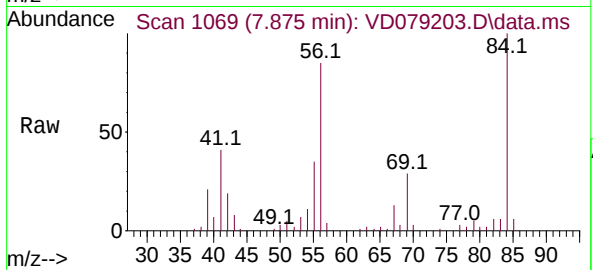
Tgt Ion: 56 Resp: 77411

Ion Ratio Lower Upper

56 100

69 33.6 26.6 40.0

84 112.8 87.5 131.3



#30

1,1,1-Trichloroethane

Concen: 25.763 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

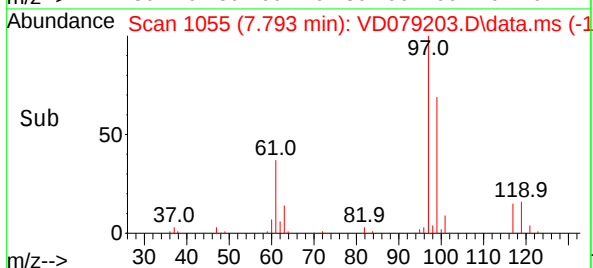
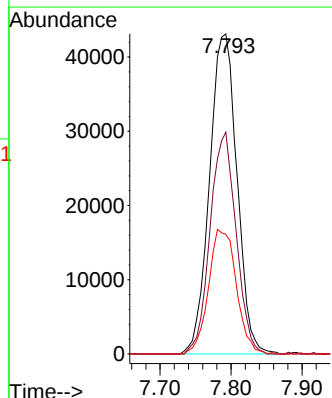
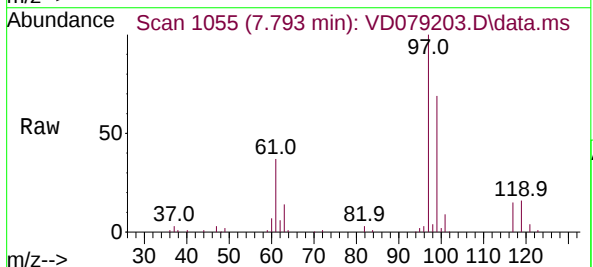
Tgt Ion: 97 Resp: 115951

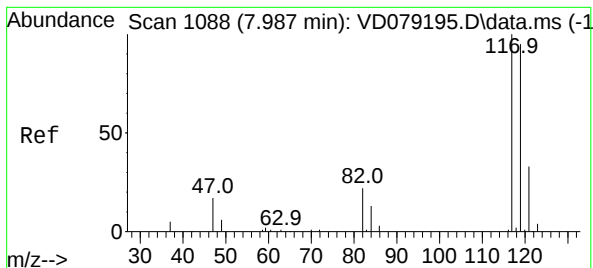
Ion Ratio Lower Upper

97 100

99 65.4 52.3 78.5

61 39.3 31.7 47.5





#31

Carbon tetrachloride

Concen: 24.849 ug/L

RT: 7.987 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

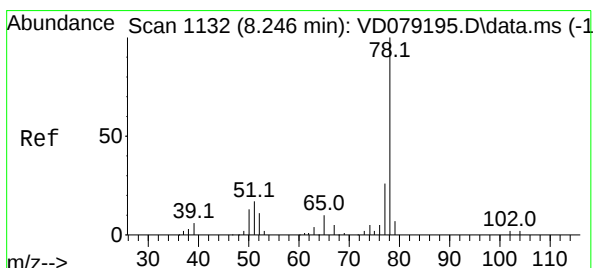
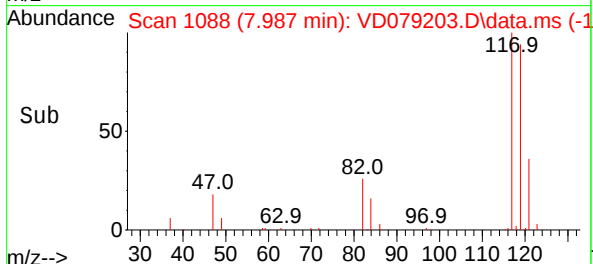
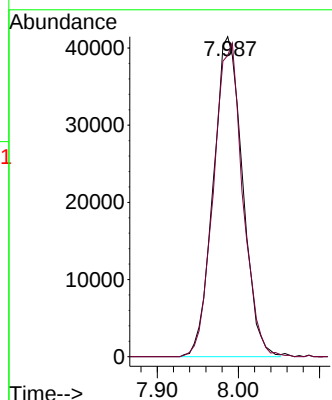
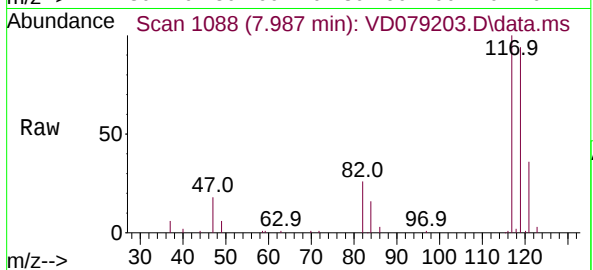
ClientSampleId :

Tgt Ion:117 Resp: 103929

Ion Ratio Lower Upper

117 100

119 97.5 79.6 119.4



#33

Benzene

Concen: 28.284 ug/L

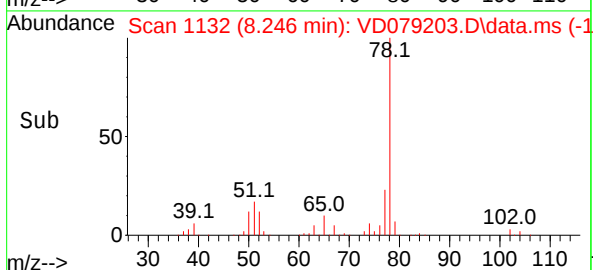
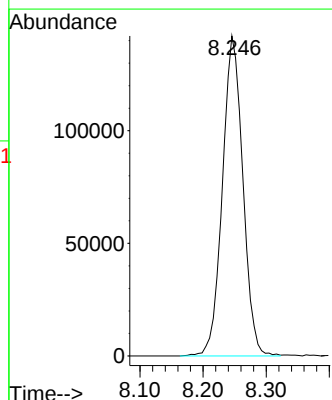
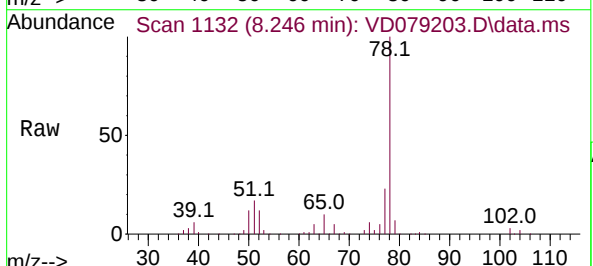
RT: 8.246 min Scan# 1132

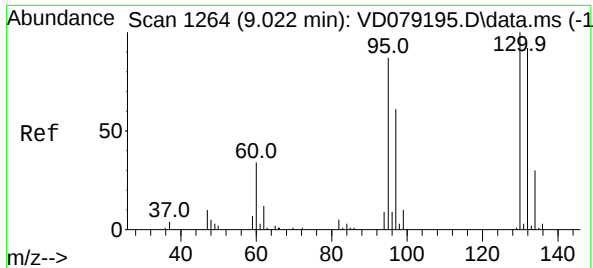
Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Tgt Ion: 78 Resp: 320246



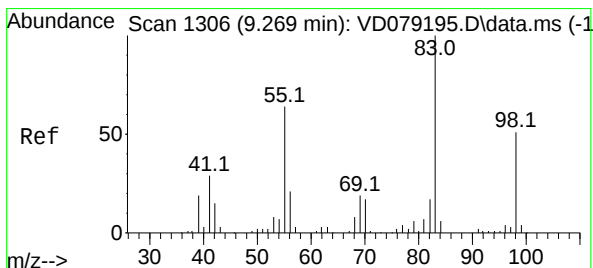
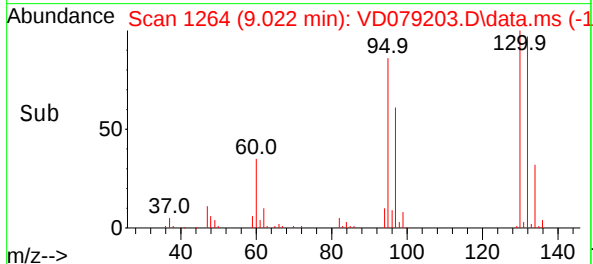
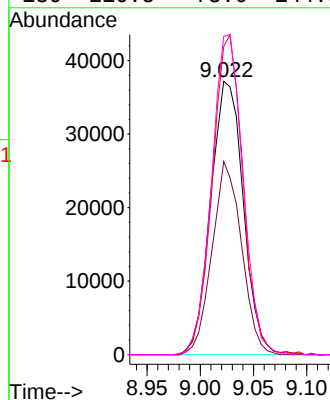
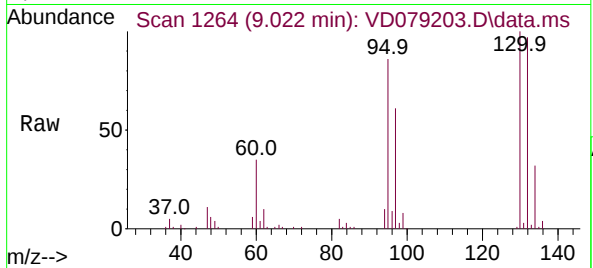


#34  
Trichloroethene  
Concen: 27.119 ug/L  
RT: 9.022 min Scan# 1264  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 95 Resp: 79083

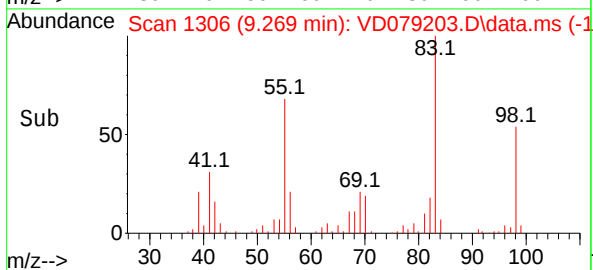
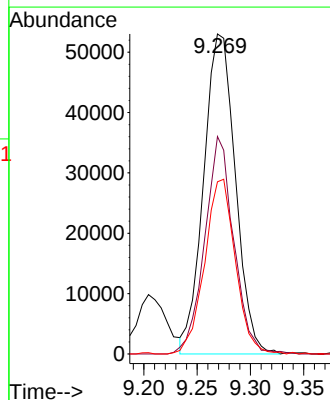
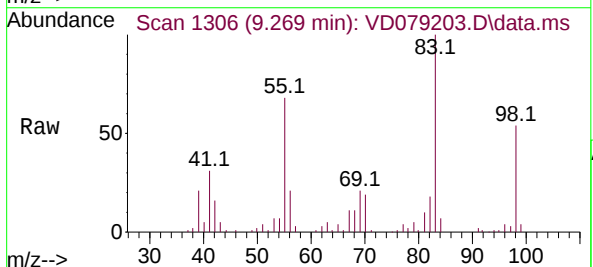
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 70.7  | 44.6  | 82.8  |
| 132 | 112.8 | 74.9  | 139.1 |
| 130 | 116.5 | 78.0  | 144.8 |

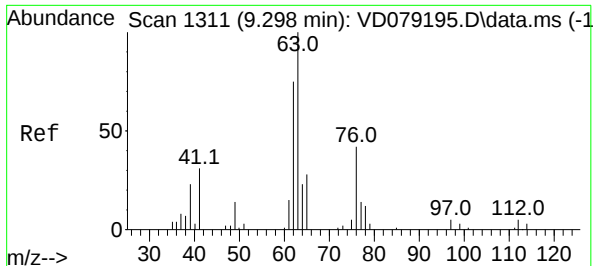


#35  
Methylcyclohexane  
Concen: 22.765 ug/L  
RT: 9.269 min Scan# 1306  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Tgt Ion: 83 Resp: 110002

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 61.8  | 48.6  | 72.8  |
| 98  | 52.7  | 40.2  | 60.2  |

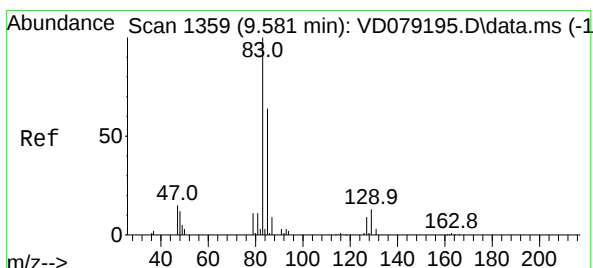
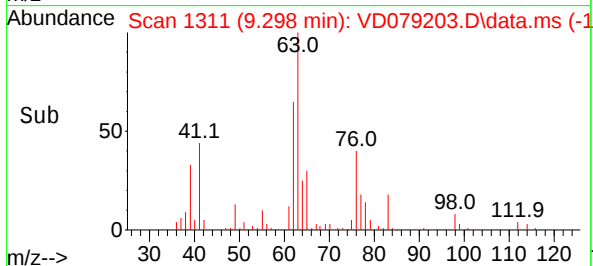
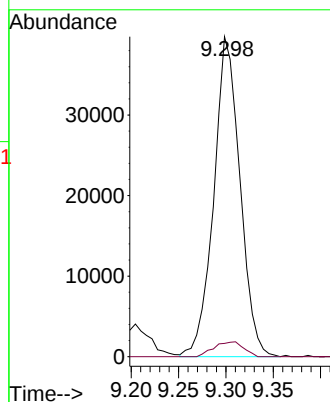
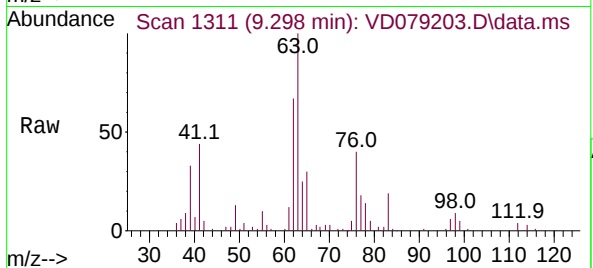




#37  
1,2-Dichloropropane  
Concen: 27.576 ug/L  
RT: 9.298 min Scan# 1311  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

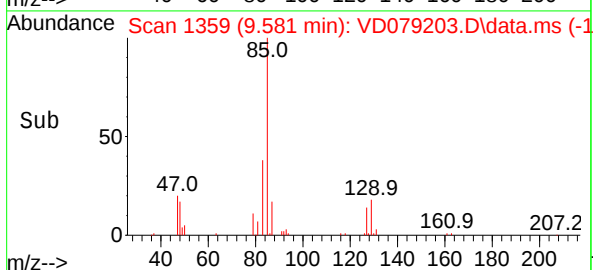
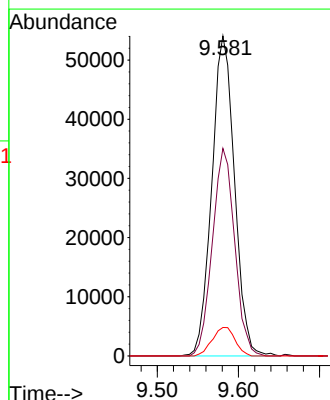
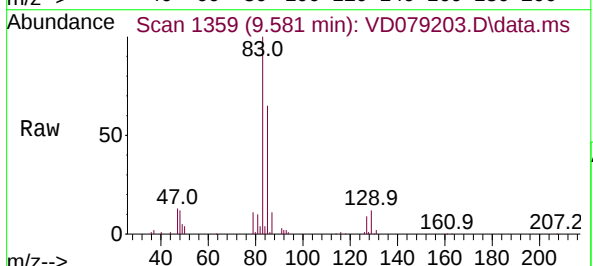
Instrument :  
MSVOA\_D  
ClientSampleId :

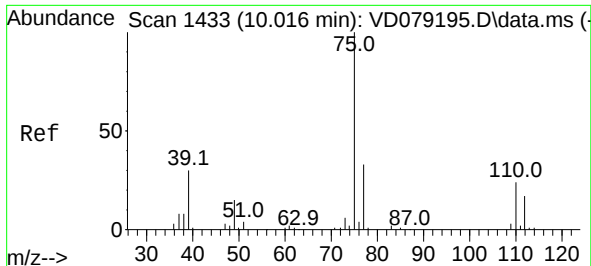
Tgt Ion: 63 Resp: 76477  
Ion Ratio Lower Upper  
63 100  
112 5.3 3.9 5.9



#38  
Bromodichloromethane  
Concen: 27.310 ug/L  
RT: 9.581 min Scan# 1359  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Tgt Ion: 83 Resp: 105290  
Ion Ratio Lower Upper  
83 100  
85 64.9 46.5 86.5  
127 9.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 27.521 ug/L

RT: 10.010 min Scan# 1433

Delta R.T. -0.006 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

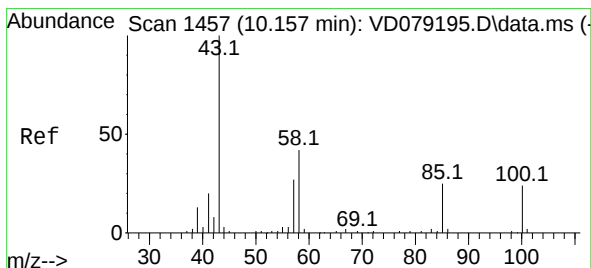
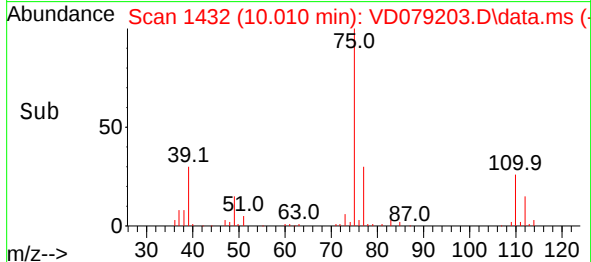
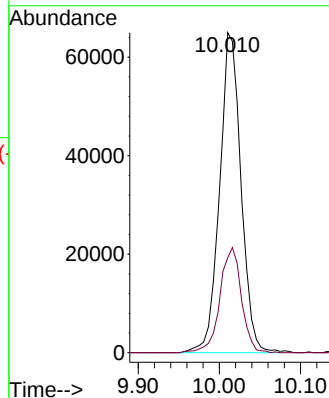
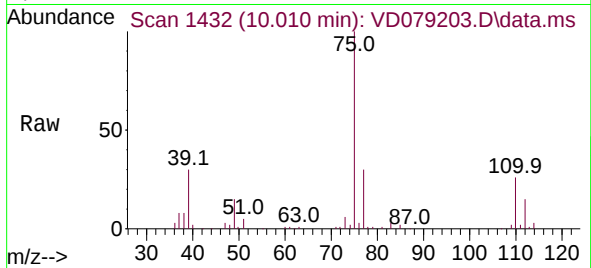
ClientSampleId :

Tgt Ion: 75 Resp: 119148

Ion Ratio Lower Upper

75 100

77 29.7 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 61.088 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

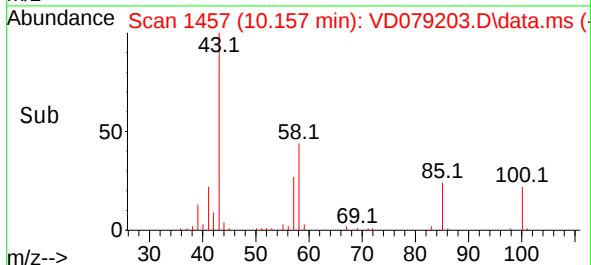
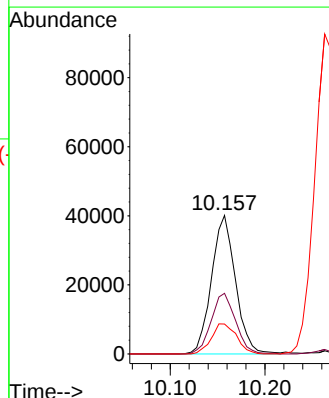
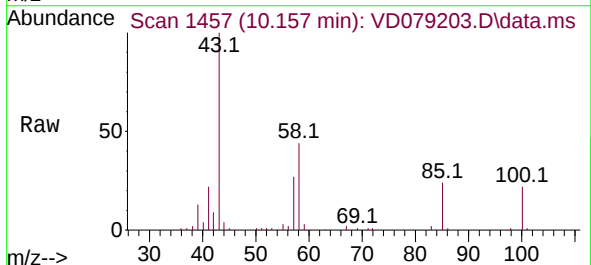
Tgt Ion: 43 Resp: 70723

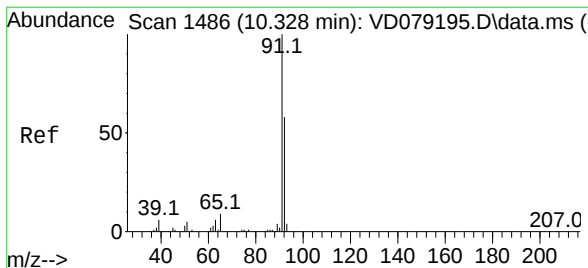
Ion Ratio Lower Upper

43 100

58 44.4 34.0 51.0

100 22.8 16.9 25.3





#42

Toluene

Concen: 28.465 ug/L

RT: 10.328 min Scan# 1486

Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

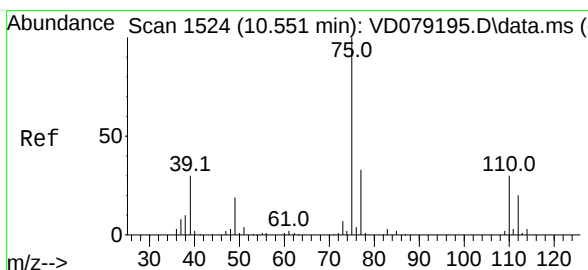
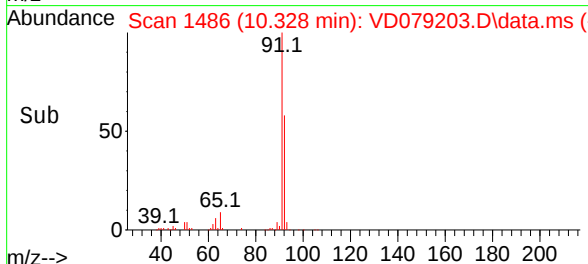
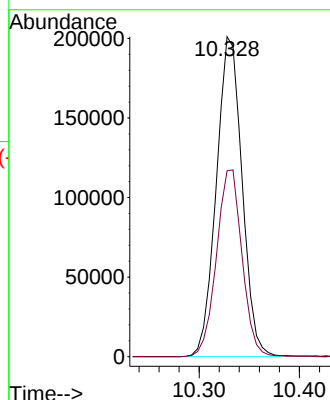
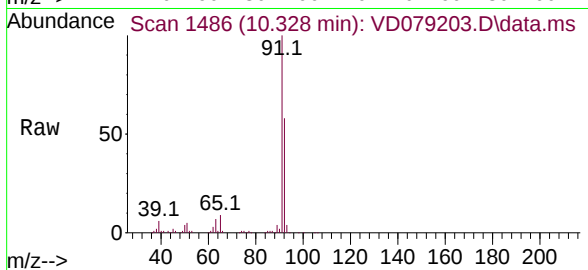
ClientSampleId :

Tgt Ion: 91 Resp: 357885

Ion Ratio Lower Upper

91 100

92 58.1 38.9 72.3



#44

trans-1,3-Dichloropropene

Concen: 28.610 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD079203.D

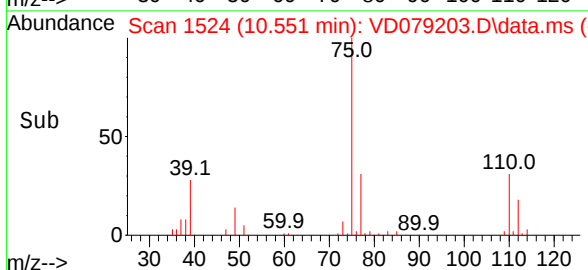
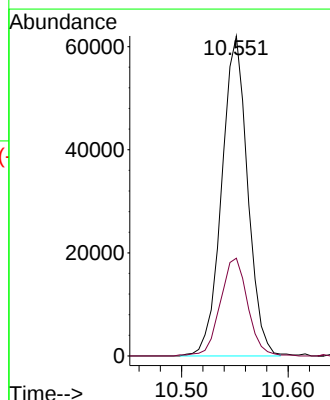
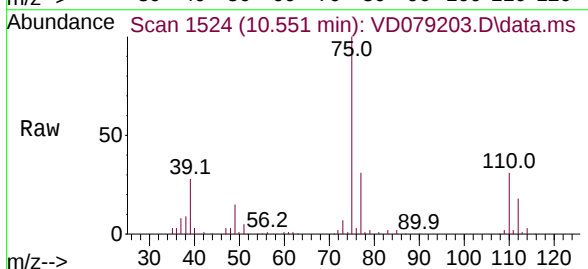
Acq: 18 Jun 2024 16:27

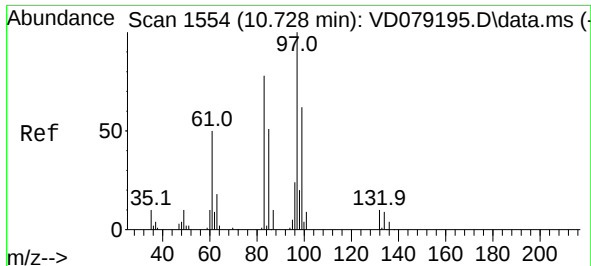
Tgt Ion: 75 Resp: 104742

Ion Ratio Lower Upper

75 100

77 30.5 24.3 45.1





#45

1,1,2-Trichloroethane

Concen: 28.399 ug/L

RT: 10.728 min Scan# 1554

Delta R.T. 0.000 min

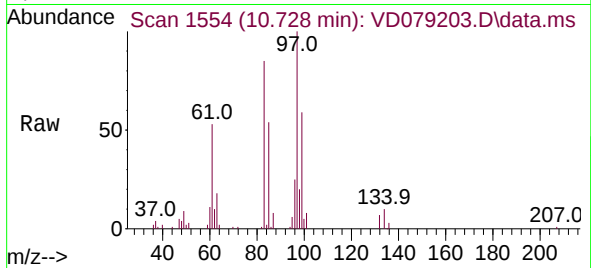
Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 97 Resp: 69096

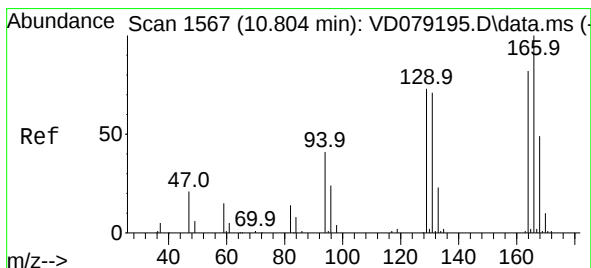
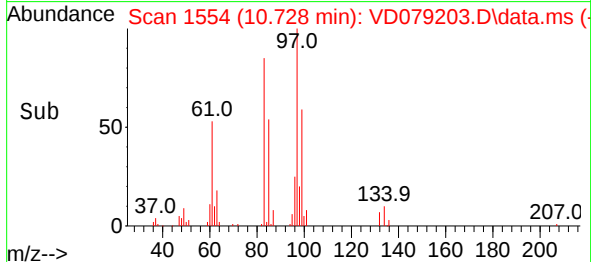
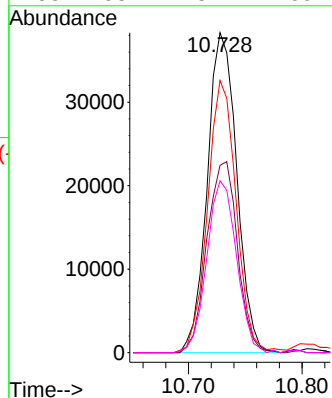
Ion Ratio Lower Upper

97 100

99 58.6 43.0 79.8

83 85.1 58.9 109.5

85 53.7 37.2 69.2



#46

Tetrachloroethene

Concen: 25.947 ug/L

RT: 10.804 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Tgt Ion:164 Resp: 66626

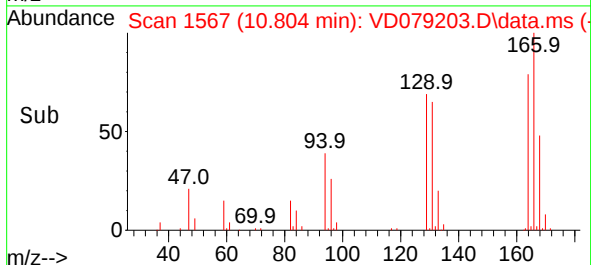
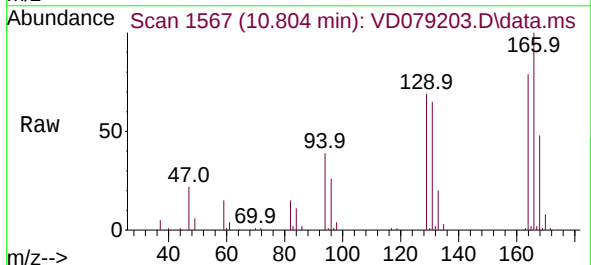
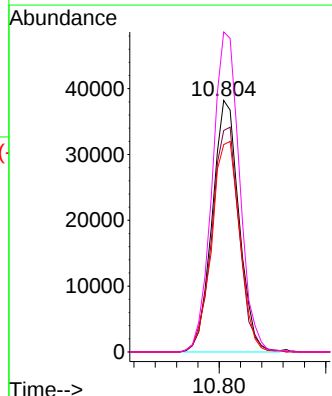
Ion Ratio Lower Upper

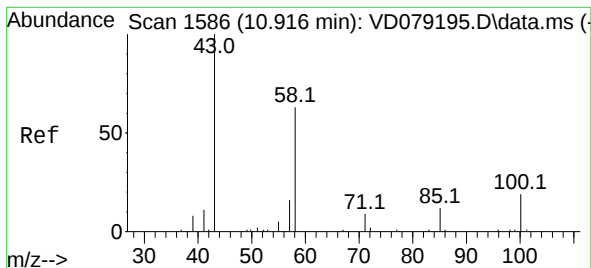
164 100

129 88.1 64.3 119.5

131 82.4 61.2 113.8

166 127.2 90.0 167.2





#48

2-Hexanone

Concen: 60.833 ug/L

RT: 10.916 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

ClientSampleId :

Tgt Ion: 43 Resp: 60942

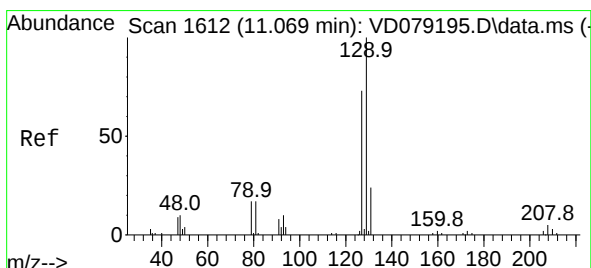
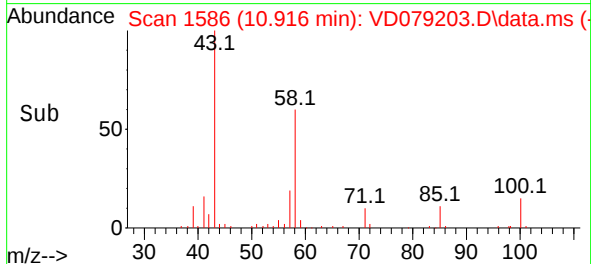
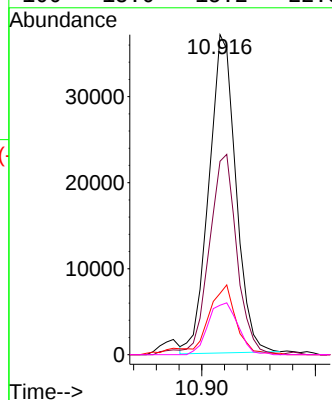
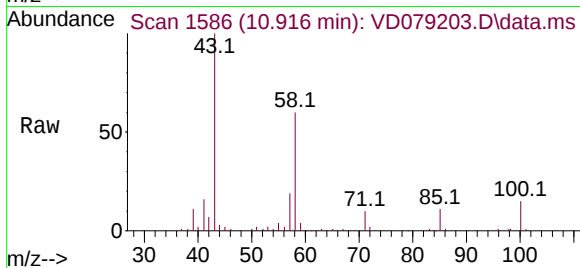
Ion Ratio Lower Upper

43 100

58 63.9 50.1 75.1

57 21.5 16.5 24.7

100 18.0 15.2 22.8



#49

Dibromochloromethane

Concen: 28.153 ug/L

RT: 11.069 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VD079203.D

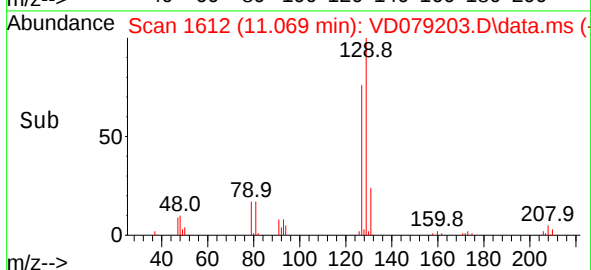
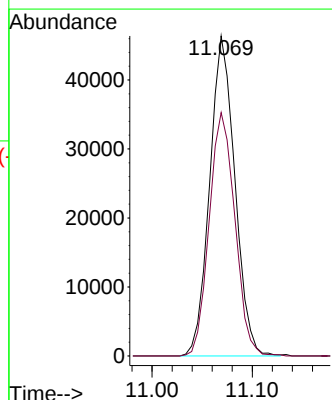
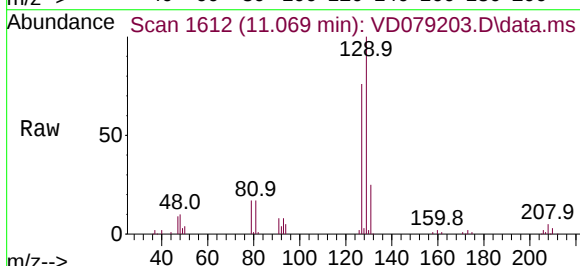
Acq: 18 Jun 2024 16:27

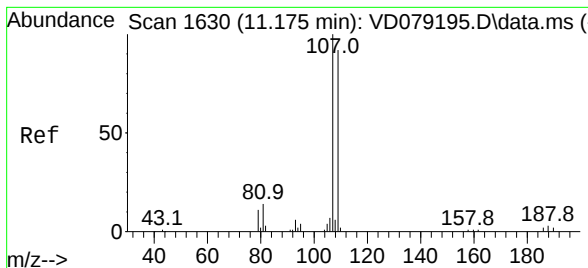
Tgt Ion:129 Resp: 81114

Ion Ratio Lower Upper

129 100

127 76.1 56.4 104.7





#50

1,2-Dibromoethane

Concen: 29.857 ug/L

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079203.D

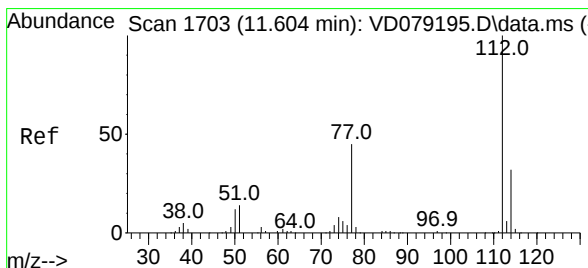
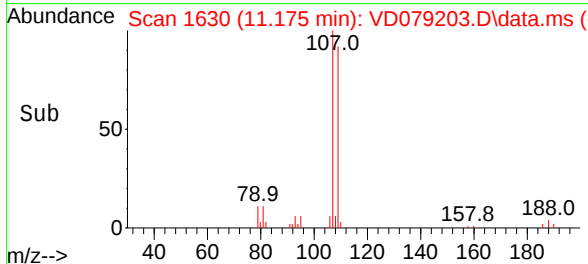
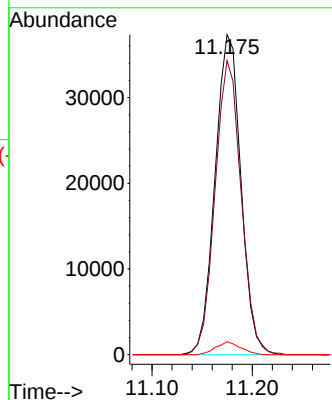
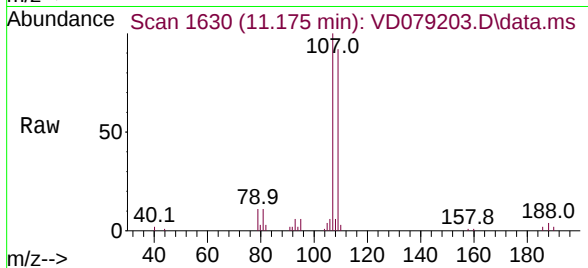
Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 66762 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 91.9  | 64.5  | 119.7 |
| 188      | 4.1   | 2.6   | 3.8#  |



#51

Chlorobenzene

Concen: 27.993 ug/L

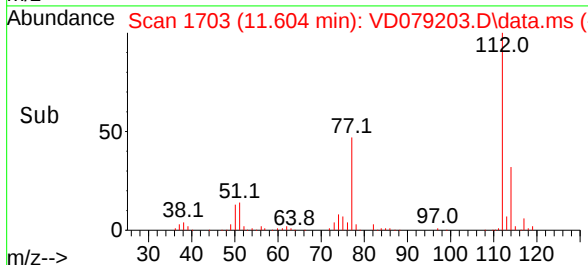
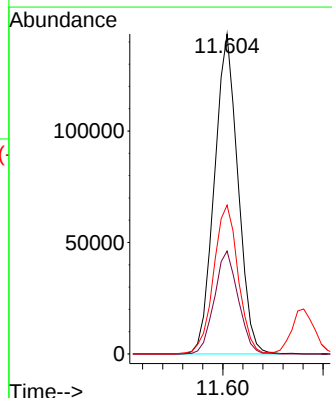
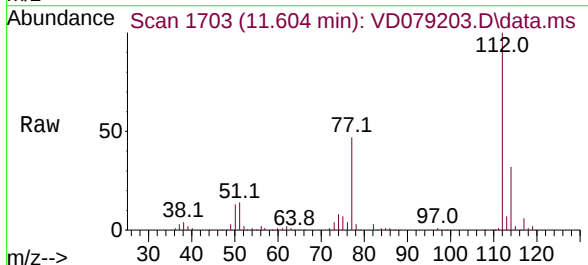
RT: 11.604 min Scan# 1703

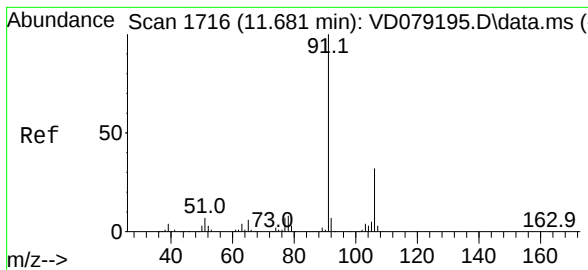
Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 234176 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.2  | 22.7  | 42.3   |
| 77       | 46.5  | 38.4  | 57.6   |

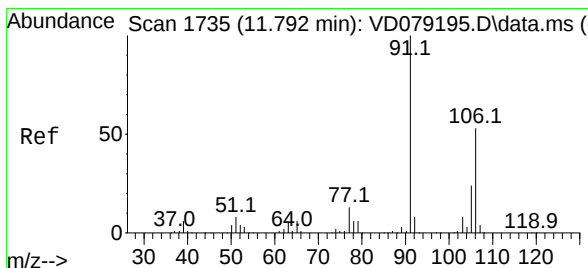
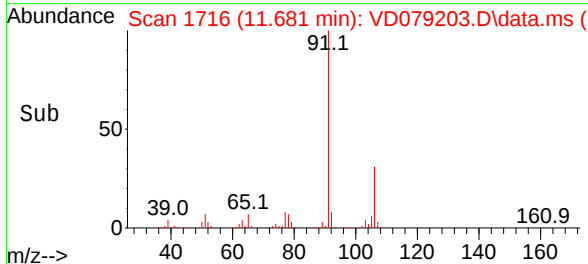
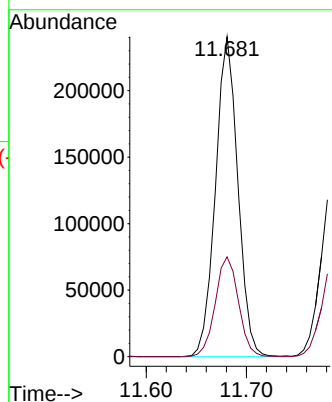
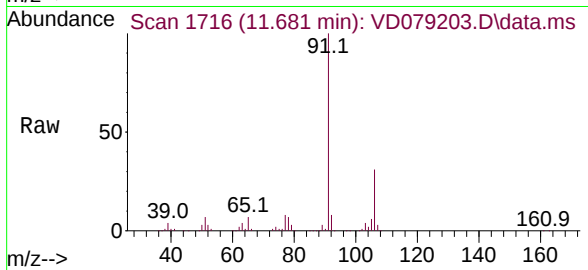




#52  
Ethylbenzene  
Concen: 28.396 ug/L  
RT: 11.681 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

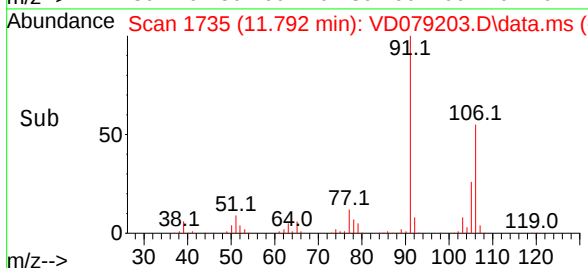
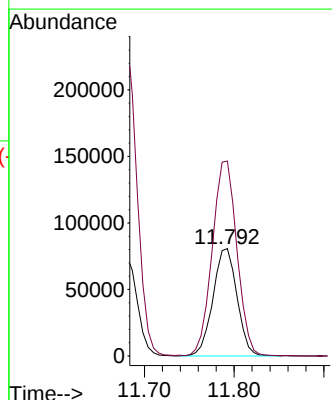
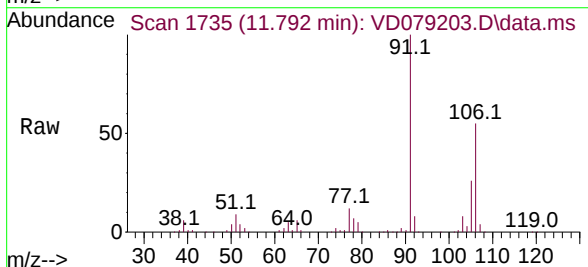
Instrument :  
MSVOA\_D  
ClientSampleId :

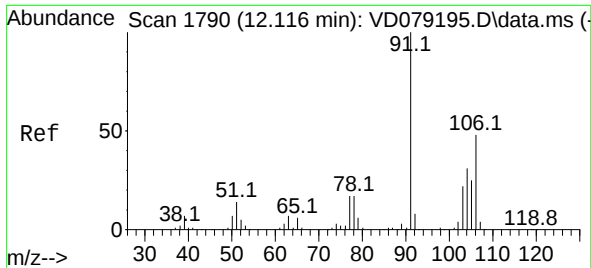
Tgt Ion: 91 Resp: 372396  
Ion Ratio Lower Upper  
91 100  
106 31.2 22.3 41.5



#53  
m,p-Xylene  
Concen: 29.213 ug/L  
RT: 11.792 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Tgt Ion:106 Resp: 150309  
Ion Ratio Lower Upper  
106 100  
91 181.4 133.1 247.1

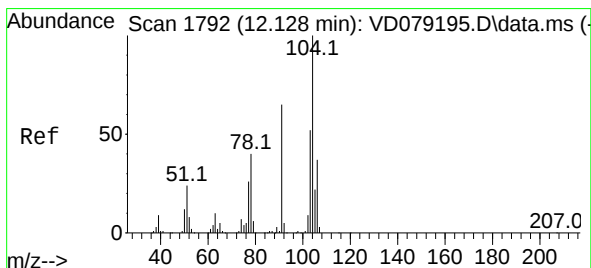
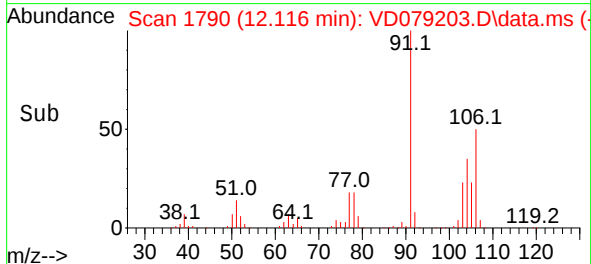
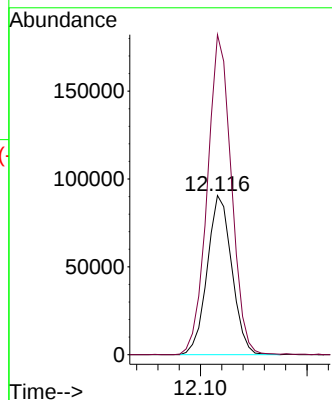
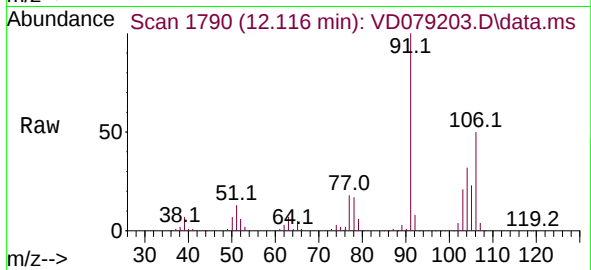




#54  
o-Xylene  
Concen: 29.196 ug/L  
RT: 12.116 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

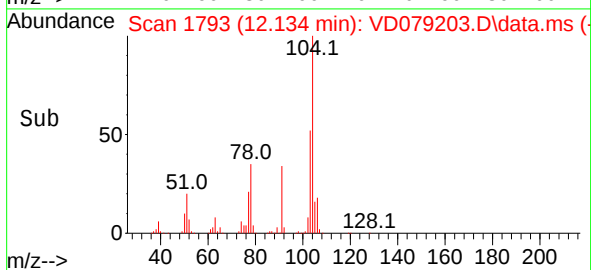
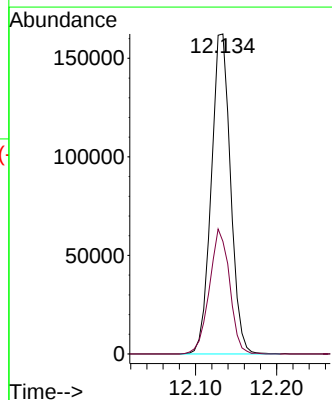
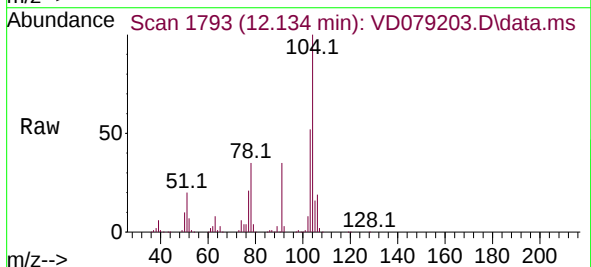
Instrument :  
MSVOA\_D  
ClientSampleId :

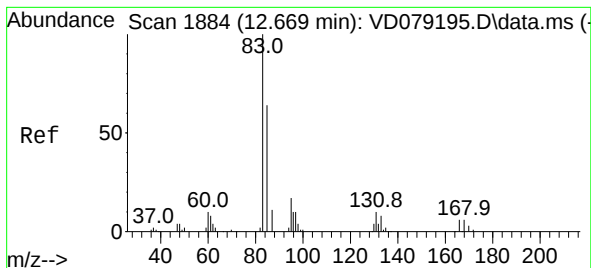
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 201.0 | 132.9 | 246.9 |



#55  
Styrene  
Concen: 30.435 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.006 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 35.1  | 27.8  | 51.6  |





#57

1,1,2,2-Tetrachloroethane

Concen: 29.345 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VD079203.D

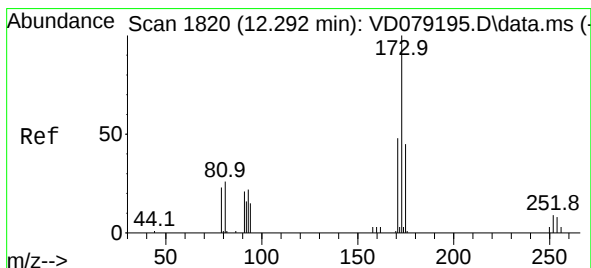
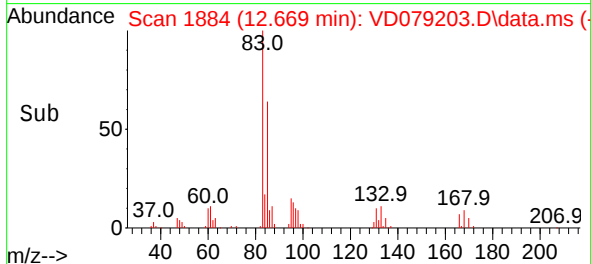
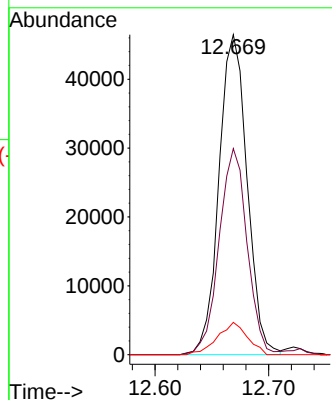
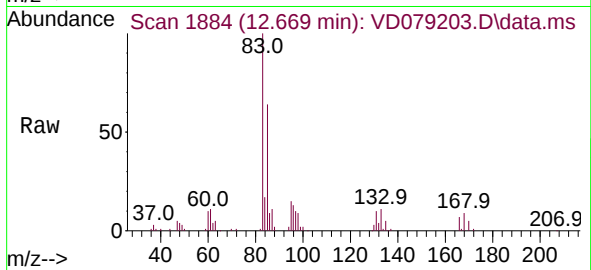
Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 79920 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.4  | 47.5  | 88.1  |
| 131      | 10.1  | 8.6   | 13.0  |



#59

Bromoform

Concen: 28.485 ug/L

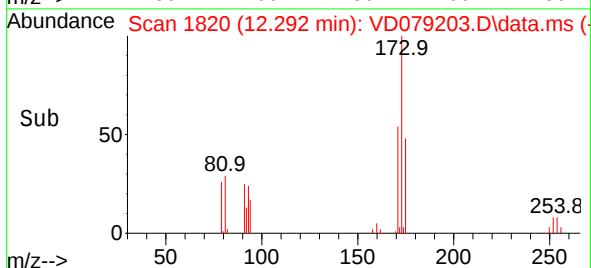
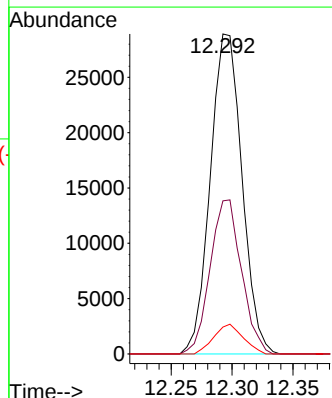
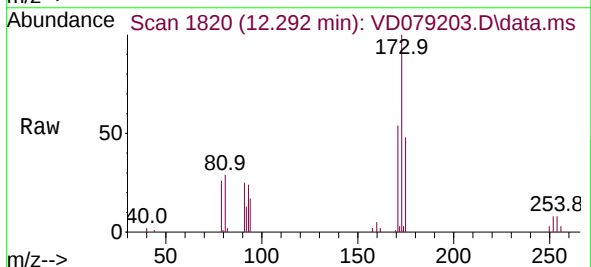
RT: 12.292 min Scan# 1820

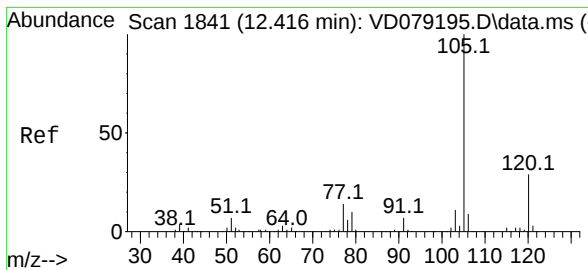
Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 52388 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.5  | 38.2  | 57.4  |
| 254      | 8.6   | 7.0   | 10.6  |

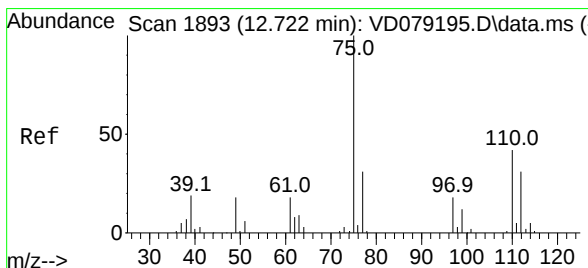
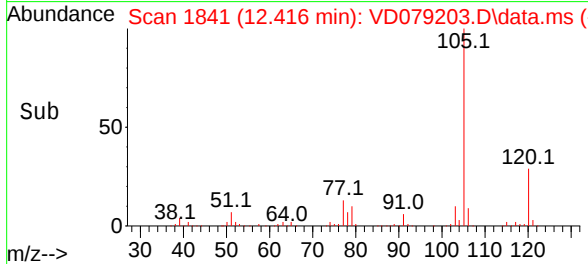
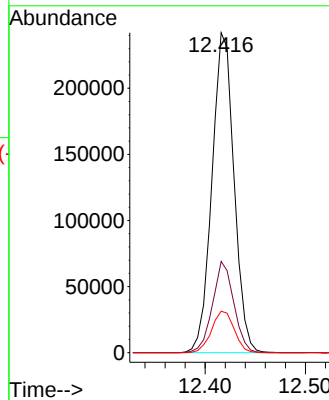
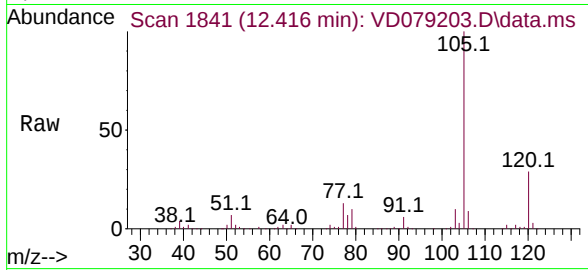




#60  
Isopropylbenzene  
Concen: 27.918 ug/L  
RT: 12.416 min Scan# 1841  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

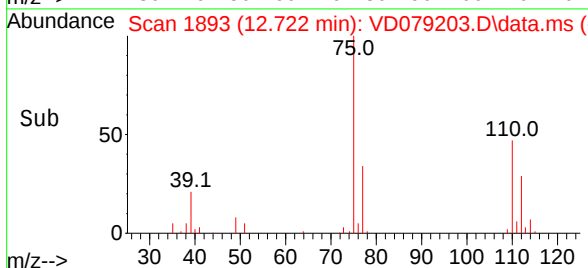
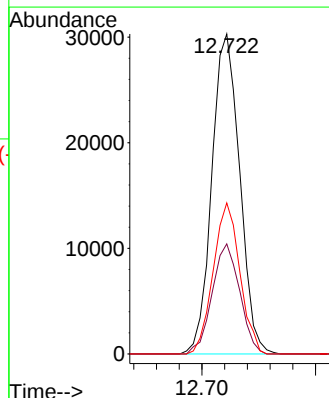
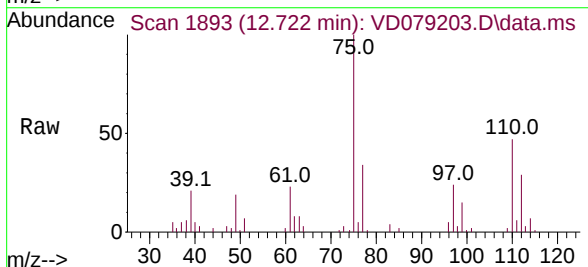
Instrument :  
MSVOA\_D  
ClientSampleId :

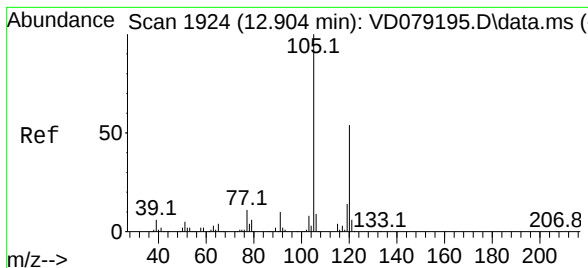
Tgt Ion:105 Resp: 370426  
Ion Ratio Lower Upper  
105 100  
120 27.6 21.9 32.9  
77 13.3 10.9 16.3



#61  
1,2,3-Trichloropropane  
Concen: 29.068 ug/L  
RT: 12.722 min Scan# 1893  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Tgt Ion: 75 Resp: 51498  
Ion Ratio Lower Upper  
75 100  
77 34.1 25.9 38.9  
110 45.2 34.2 51.4

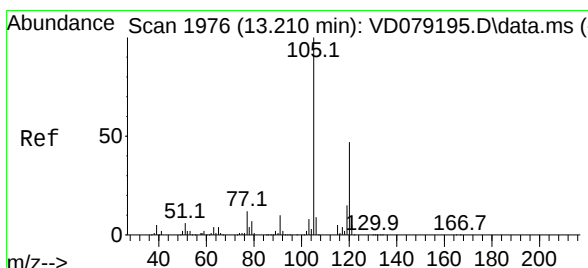
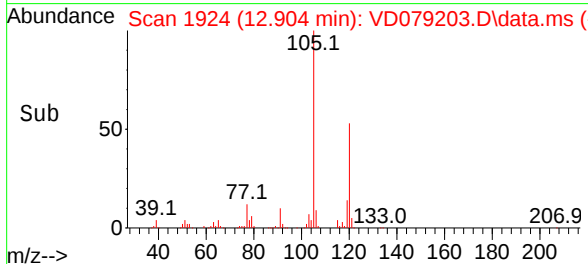
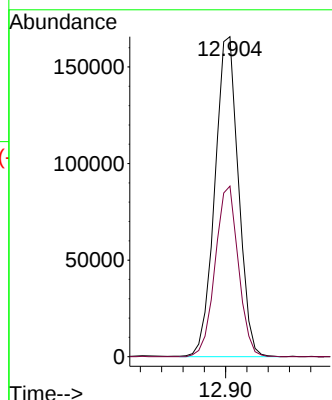
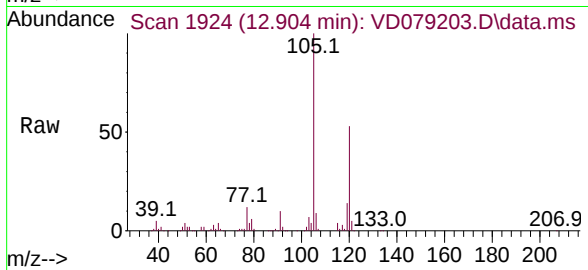




#62  
1,3,5-Trimethylbenzene  
Concen: 28.030 ug/L  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

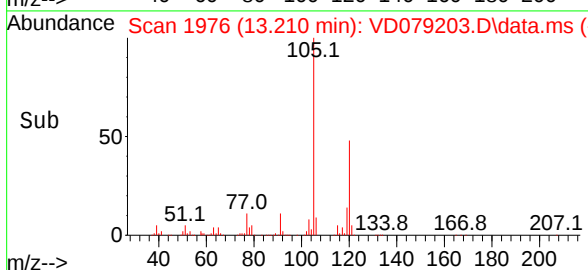
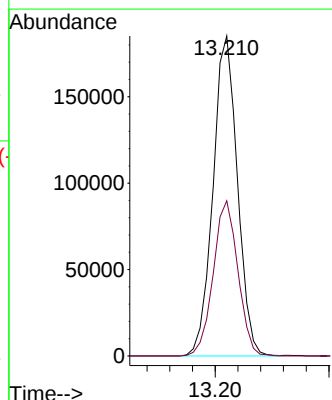
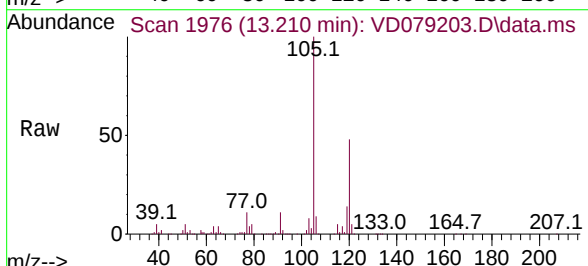
Instrument :  
MSVOA\_D  
ClientSampleId :

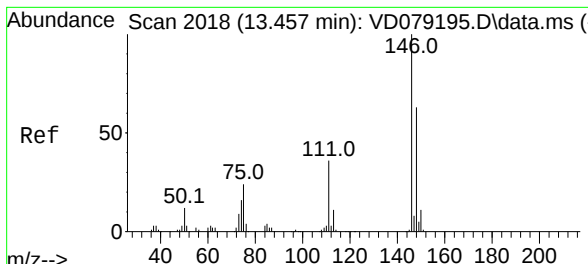
Tgt Ion:105 Resp: 254286  
Ion Ratio Lower Upper  
105 100  
120 52.5 40.7 61.1



#63  
1,2,4-Trimethylbenzene  
Concen: 28.469 ug/L  
RT: 13.210 min Scan# 1976  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Tgt Ion:105 Resp: 276241  
Ion Ratio Lower Upper  
105 100  
120 49.0 38.0 57.0

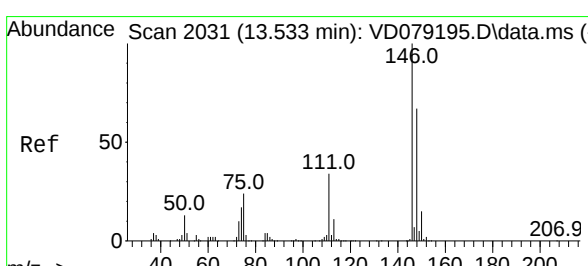
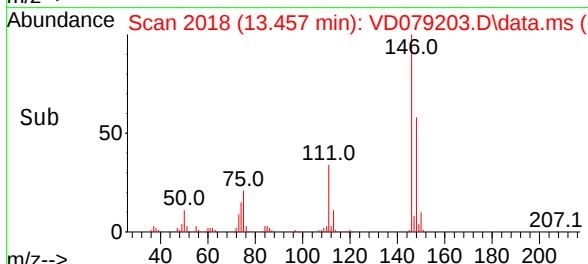
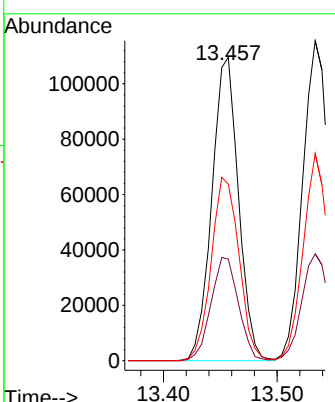
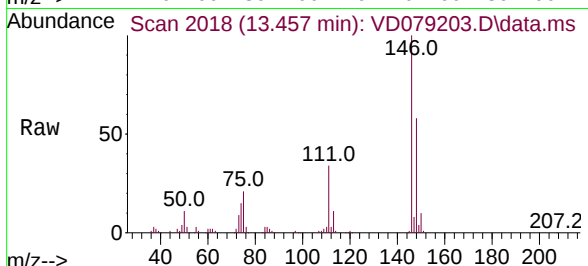




#64  
 1,3-Dichlorobenzene  
 Concen: 27.987 ug/L  
 RT: 13.457 min Scan# 2018  
 Delta R.T. 0.000 min  
 Lab File: VD079203.D  
 Acq: 18 Jun 2024 16:27

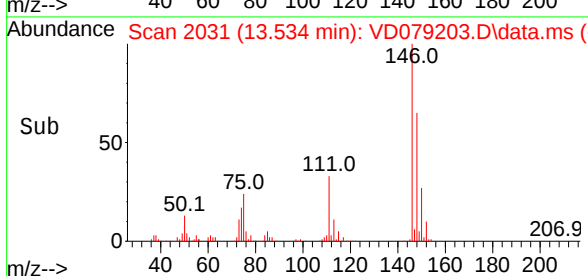
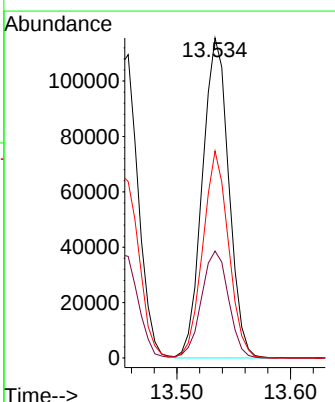
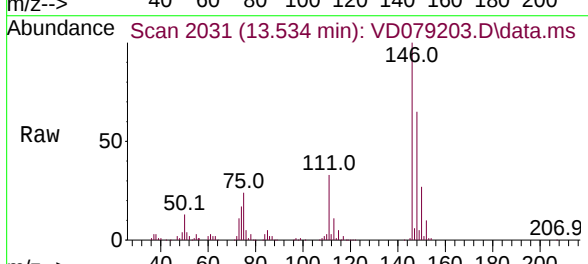
Instrument :  
 MSVOA\_D  
 ClientSampleId :

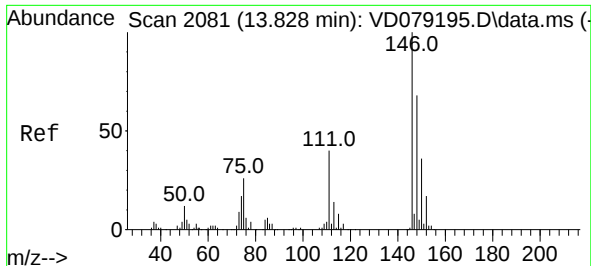
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 178396    |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 33.5  | 24.4 45.4 |
| 148         | 58.2  | 44.9 83.3 |



#65  
 1,4-Dichlorobenzene  
 Concen: 27.588 ug/L  
 RT: 13.534 min Scan# 2031  
 Delta R.T. 0.000 min  
 Lab File: VD079203.D  
 Acq: 18 Jun 2024 16:27

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 186327    |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 33.4  | 26.3 48.9 |
| 148         | 64.7  | 43.1 80.1 |





#67

1,2-Dichlorobenzene

Concen: 27.350 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

Instrument :

MSVOA\_D

ClientSampleId :

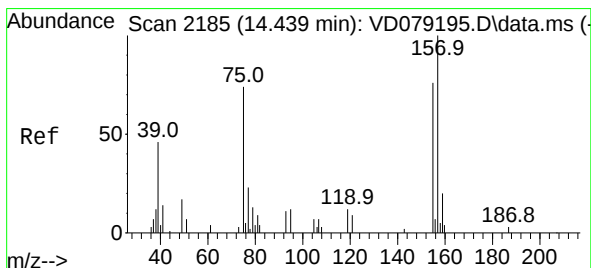
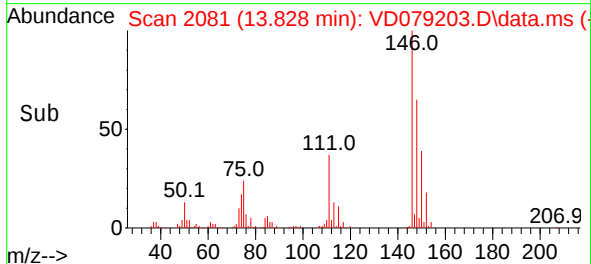
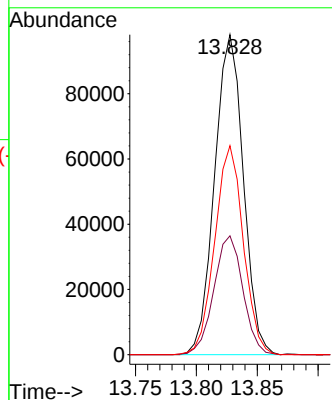
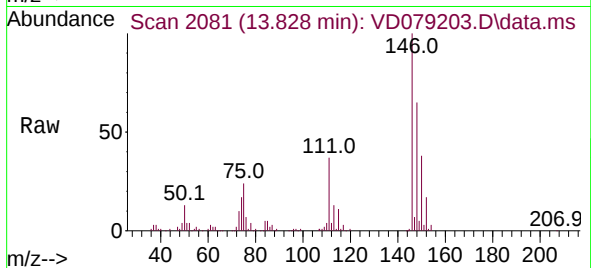
Tgt Ion:146 Resp: 161160

Ion Ratio Lower Upper

146 100

111 37.2 29.1 43.7

148 65.3 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 27.277 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.006 min

Lab File: VD079203.D

Acq: 18 Jun 2024 16:27

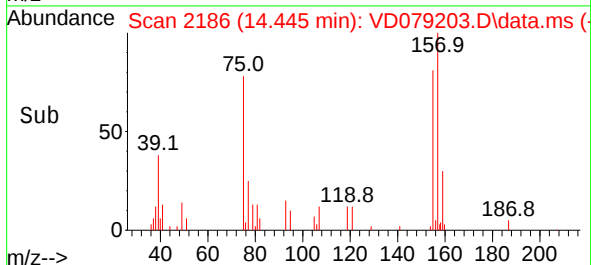
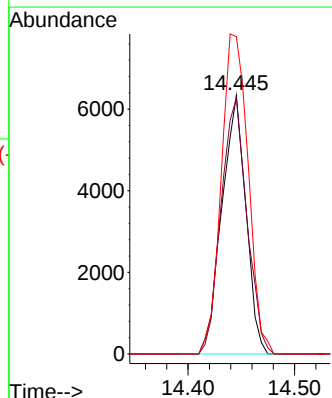
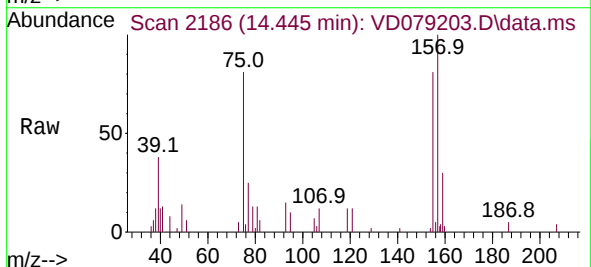
Tgt Ion: 75 Resp: 9934

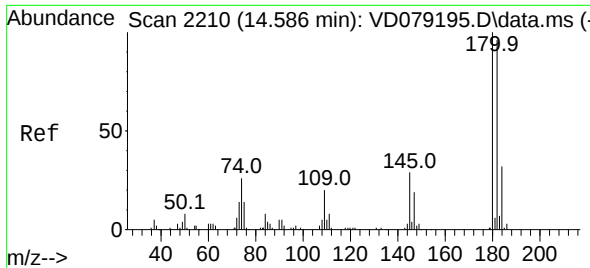
Ion Ratio Lower Upper

75 100

155 98.9 68.1 102.1

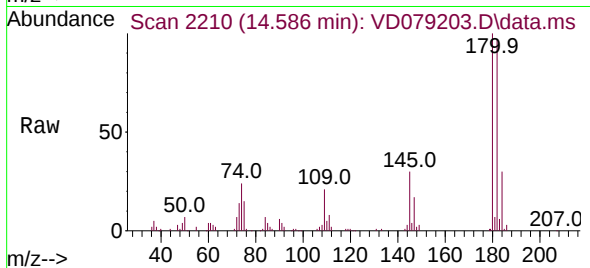
157 122.7 91.6 137.4



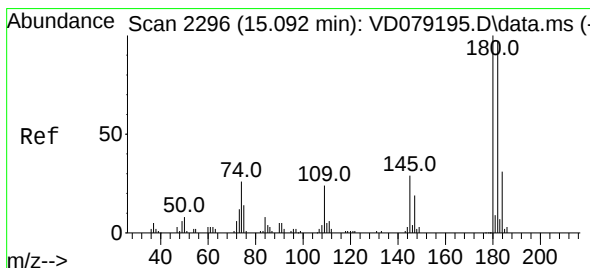
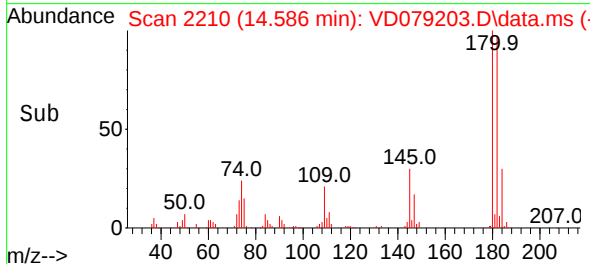
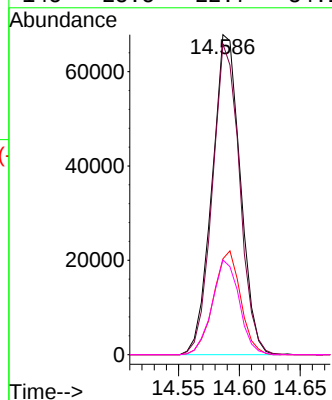


#69  
1,3,5-Trichlorobenzene  
Concen: 27.177 ug/L  
RT: 14.586 min Scan# 2210  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Instrument :  
MSVOA\_D  
ClientSampleId :

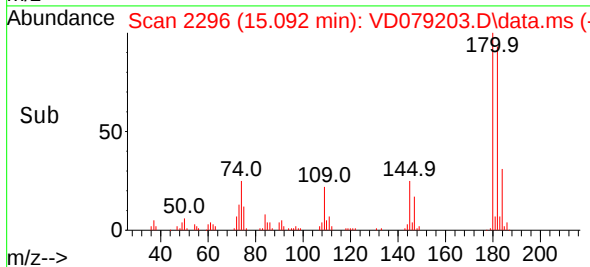
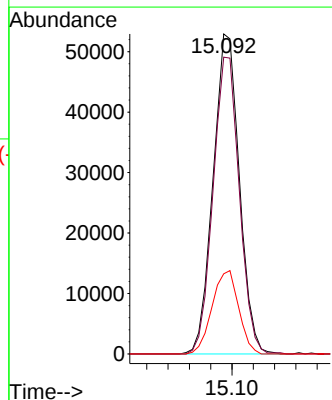
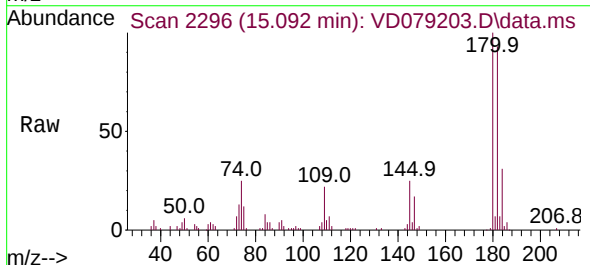


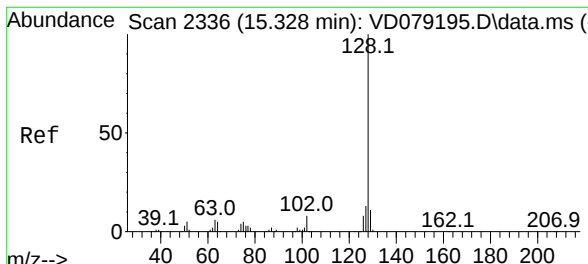
Tgt Ion:180 Resp: 109257  
Ion Ratio Lower Upper  
180 100  
182 93.7 76.9 115.3  
184 31.2 23.3 34.9  
145 28.5 22.7 34.1



#70  
1,2,4-trichlorobenzene  
Concen: 27.114 ug/L  
RT: 15.092 min Scan# 2296  
Delta R.T. 0.000 min  
Lab File: VD079203.D  
Acq: 18 Jun 2024 16:27

Tgt Ion:180 Resp: 90530  
Ion Ratio Lower Upper  
180 100  
182 92.5 73.8 110.6  
145 26.3 22.3 33.5



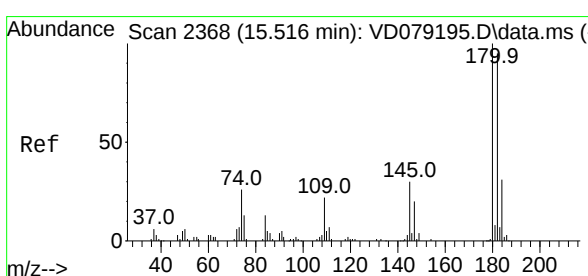
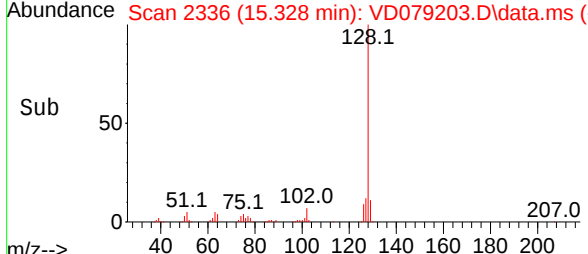
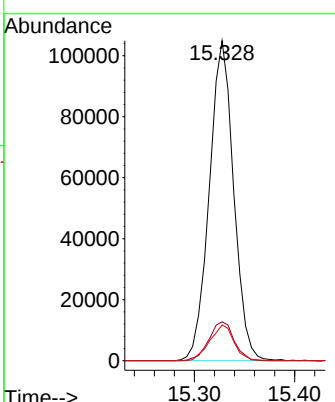
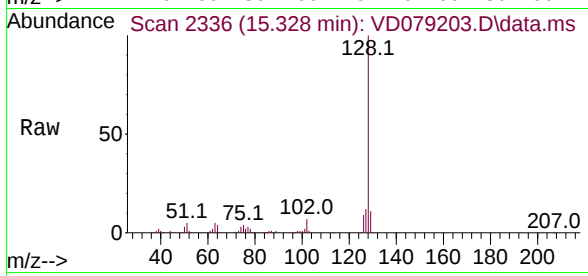


#71  
 Naphthalene  
 Concen: 28.359 ug/L  
 RT: 15.328 min Scan# 2336  
 Delta R.T. 0.000 min  
 Lab File: VD079203.D  
 Acq: 18 Jun 2024 16:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion:128 Resp: 177078

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.6  | 10.8  | 16.2  |
| 129 | 11.1  | 8.5   | 12.7  |



#72  
 1,2,3-Trichlorobenzene  
 Concen: 29.079 ug/L  
 RT: 15.516 min Scan# 2368  
 Delta R.T. 0.000 min  
 Lab File: VD079203.D  
 Acq: 18 Jun 2024 16:27

Tgt Ion:180 Resp: 83914

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.8  | 79.4  | 119.2 |
| 145 | 30.0  | 24.7  | 37.1  |

