

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052924\  
 Data File : VD079081.D  
 Acq On : 29 May 2024 22:58  
 Operator : RP/MD  
 Sample : P2640-06MSD  
 Misc : 4.90G/10ml/MSVOA\_D/SOIL/A  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: May 30 01:16:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu May 30 01:09:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 156236   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 131935   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 47945    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.270  | 65    | 100959   | 20.999   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 84.000%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 96020    | 20.655   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.600%  |
| 11) 1,1-Dichloroethene-d2     | 3.911  | 65    | 15900    | 18.629   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 74.520%  |
| 21) 2-Butanone-d5             | 6.981  | 46    | 4318     | 11.742   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 23.480%  |
| 24) Chloroform-d              | 7.569  | 84    | 89146    | 20.407   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 81.640%  |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 38174    | 18.943   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 75.760%  |
| 32) Benzene-d6                | 8.199  | 84    | 170071   | 23.253   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.000%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 48590    | 23.063   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 92.240%  |
| 41) Toluene-d8                | 10.269 | 98    | 146090   | 21.333   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 85.320%  |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 16494    | 18.626   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 74.520%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 5250     | 19.276   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 38.560%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.646 | 84    | 34591    | 18.536   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 74.160%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.810 | 152   | 30522    | 18.446   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 73.800%# |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 53698    | 21.712   | ug/L   | 100      |
| 3) Chloromethane              | 2.146  | 50    | 83451    | 25.316   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.281  | 62    | 133540   | 24.544   | ug/L   | 96       |
| 6) Bromomethane               | 2.687  | 94    | 79999    | 19.046   | ug/L   | 98       |
| 8) Chloroethane               | 2.834  | 64    | 99172    | 24.869   | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 3.170  | 101   | 86004    | 20.751   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.958  | 101   | 50743    | 20.417   | ug/L # | 88       |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 46090    | 21.301   | ug/L   | 90       |
| 13) Acetone                   | 4.034  | 43    | 8661     | 16.268   | ug/L   | 53       |
| 14) Carbon disulfide          | 4.269  | 76    | 158724   | 21.029   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.558  | 43    | 5239     | 7.222    | ug/L   | 96       |
| 16) Methylene chloride        | 4.799  | 84    | 63104    | 22.668   | ug/L   | 87       |
| 17) trans-1,2-Dichloroethene  | 5.311  | 96    | 53084    | 22.702   | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 5.322  | 73    | 89735    | 21.638   | ug/L # | 89       |
| 19) 1,1-Dichloroethane        | 6.105  | 63    | 50457    | 13.403   | ug/L # | 96       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96    | 56290    | 23.119   | ug/L   | 96       |
| 22) 2-Butanone                | 7.081  | 43    | 14364    | 25.683   | ug/L # | 68       |
| 23) Bromochloromethane        | 7.428  | 128   | 29817    | 24.155   | ug/L   | 95       |
| 25) Chloroform                | 7.593  | 83    | 104734   | 24.503   | ug/L   | 93       |

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 Sample : P2640-06MSD  
 Misc : 4.90G/10ml/MSVOA\_D/SOIL/A  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: May 30 01:16:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu May 30 01:09:48 2024  
 Response via : Initial Calibration

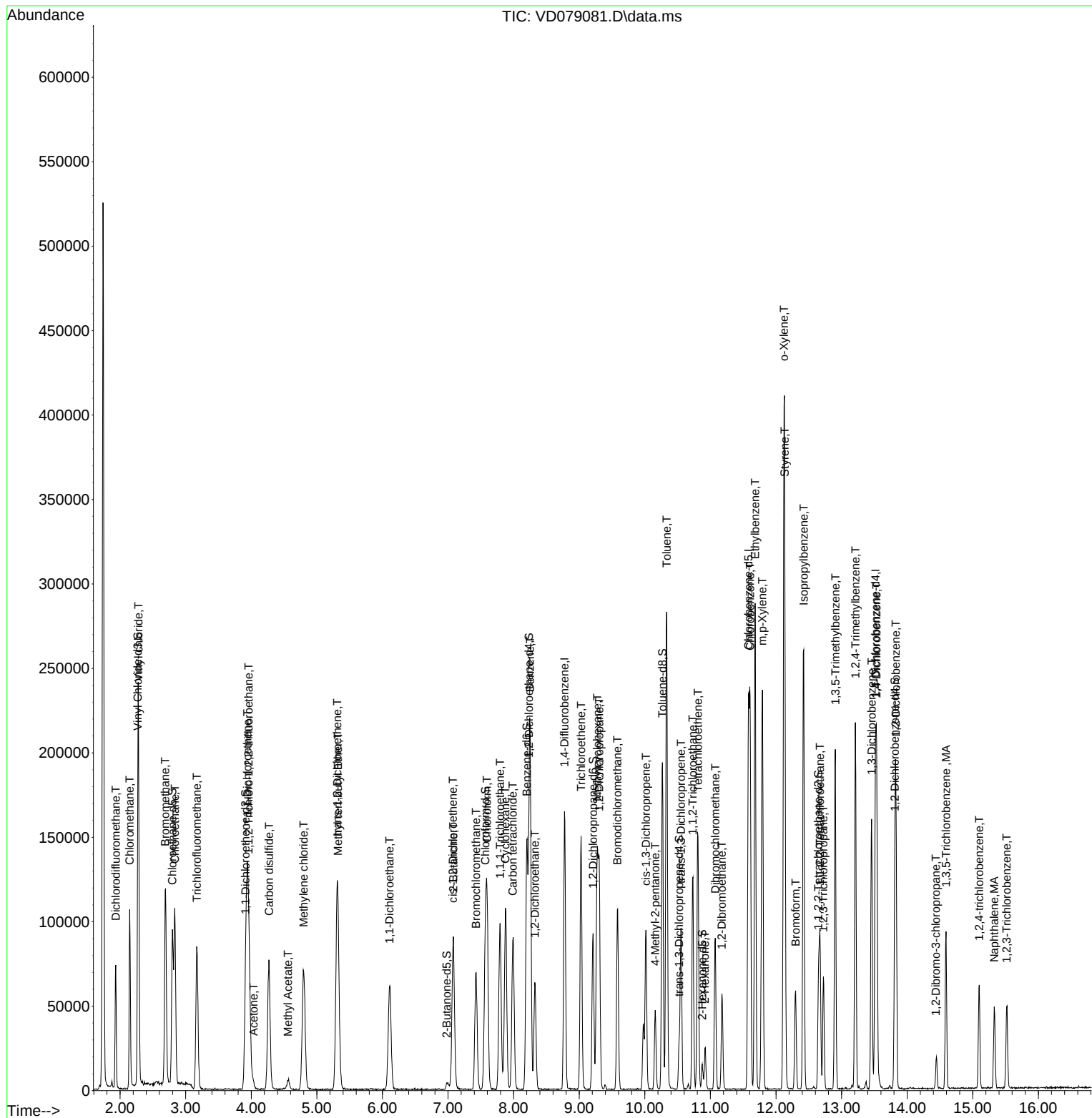
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 57085    | 23.007 | ug/L   | 96       |
| 29) Cyclohexane               | 7.875  | 56   | 49373    | 20.741 | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 83699    | 26.795 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 74306    | 25.599 | ug/L   | 96       |
| 33) Benzene                   | 8.252  | 78   | 223420   | 28.432 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 51784    | 25.586 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.275  | 83   | 57992    | 17.293 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.305  | 63   | 53759    | 27.930 | ug/L # | 97       |
| 38) Bromodichloromethane      | 9.581  | 83   | 75222    | 28.113 | ug/L   | 88       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 60017    | 19.975 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 28219    | 35.121 | ug/L   | 99       |
| 42) Toluene                   | 10.334 | 91   | 226339   | 25.939 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 54268    | 21.359 | ug/L   | 93       |
| 45) 1,1,2-Trichloroethane     | 10.728 | 97   | 43184    | 25.574 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.810 | 164  | 37677    | 21.142 | ug/L   | 98       |
| 48) 2-Hexanone                | 10.916 | 43   | 14924    | 21.465 | ug/L   | 93       |
| 49) Dibromochloromethane      | 11.075 | 129  | 49158    | 24.584 | ug/L   | 90       |
| 50) 1,2-Dibromoethane         | 11.175 | 107  | 37911    | 24.429 | ug/L   | 99       |
| 51) Chlorobenzene             | 11.604 | 112  | 132048   | 22.744 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.681 | 91   | 207101   | 22.754 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.793 | 106  | 80434    | 22.524 | ug/L   | 100      |
| 54) o-Xylene                  | 12.122 | 106  | 77600    | 22.492 | ug/L   | 88       |
| 55) Styrene                   | 12.134 | 104  | 131868   | 21.556 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 41498    | 21.955 | ug/L   | 96       |
| 59) Bromoform                 | 12.298 | 173  | 27025    | 30.755 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.422 | 105  | 178024   | 28.081 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 26817    | 31.681 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 109432   | 25.246 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 119294   | 25.731 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 70911    | 23.284 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 71569    | 22.178 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 64605    | 22.947 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.440 | 75   | 4910     | 28.217 | ug/L   | 87       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 30437    | 15.846 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 20773    | 13.022 | ug/L   | 95       |
| 71) Naphthalene               | 15.328 | 128  | 42932    | 14.390 | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 18803    | 13.638 | ug/L   | 95       |

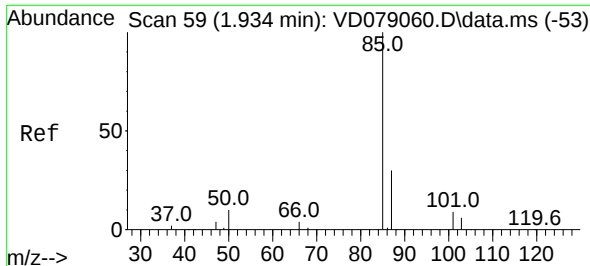
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052924\  
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Quant Title : SFAM01.0  
QLast Update : Thu May 30 01:09:48 2024  
Response via : Initial Calibration

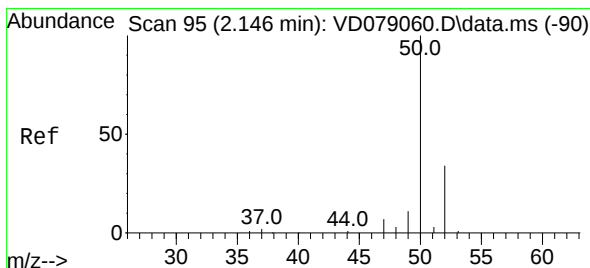
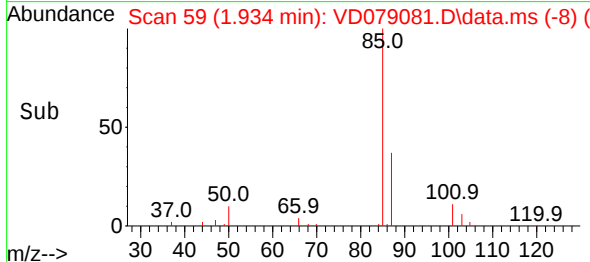
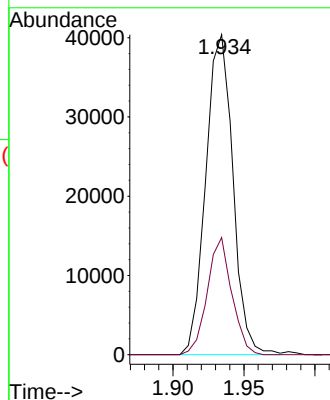
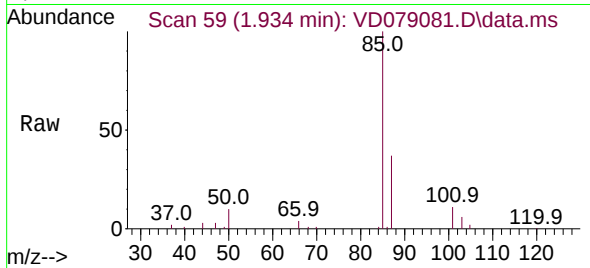




#2  
 Dichlorodifluoromethane  
 Concen: 21.712 ug/L  
 RT: 1.934 min Scan# 59  
 Delta R.T. 0.000 min  
 Lab File: VD079081.D  
 Acq: 29 May 2024 22:58

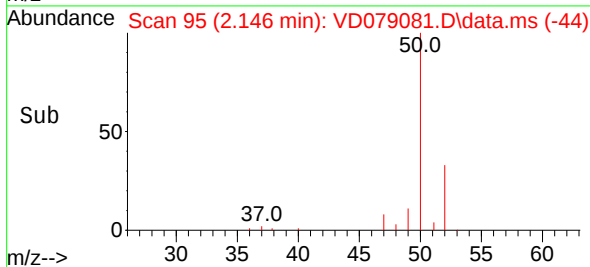
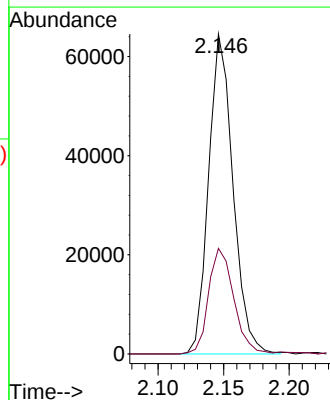
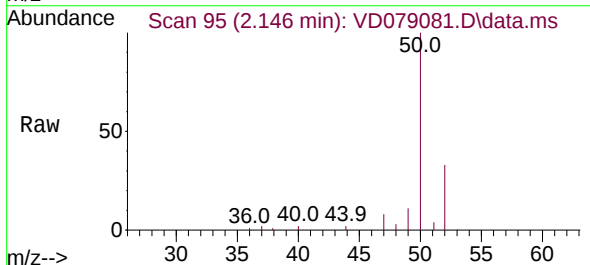
Instrument :  
 MSVOA\_D  
 ClientSampleId :

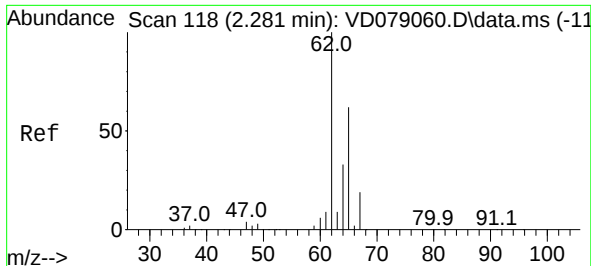
Tgt Ion: 85 Resp: 53698  
 Ion Ratio Lower Upper  
 85 100  
 87 32.9 26.2 39.4



#3  
 Chloromethane  
 Concen: 25.316 ug/L  
 RT: 2.146 min Scan# 95  
 Delta R.T. 0.000 min  
 Lab File: VD079081.D  
 Acq: 29 May 2024 22:58

Tgt Ion: 50 Resp: 83451  
 Ion Ratio Lower Upper  
 50 100  
 52 33.0 24.4 45.2

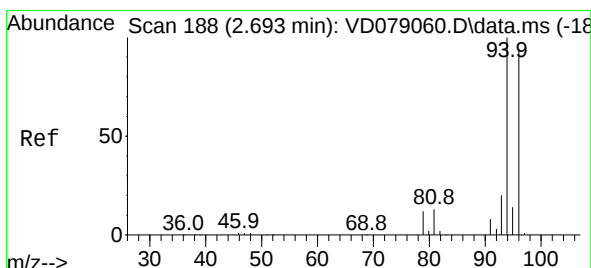
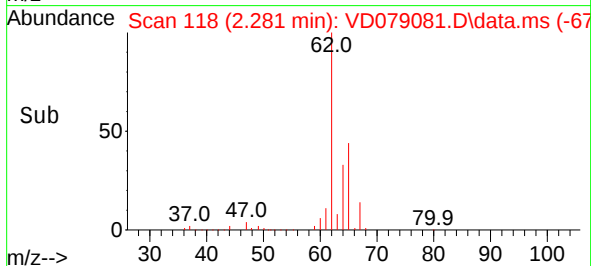
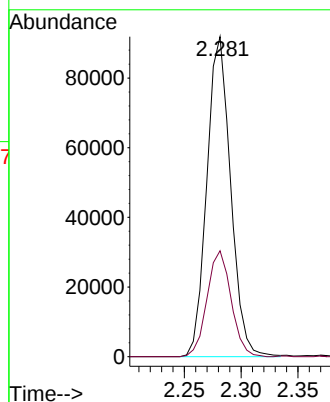
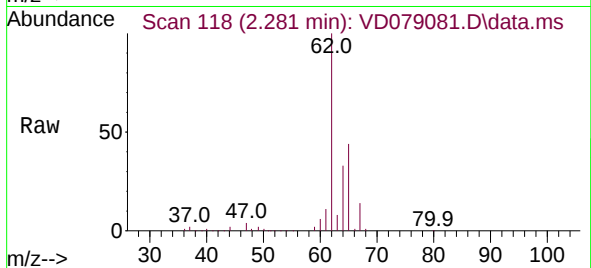




#5  
 Vinyl chloride  
 Concen: 24.544 ug/L  
 RT: 2.281 min Scan# 118  
 Delta R.T. -0.000 min  
 Lab File: VD079081.D  
 Acq: 29 May 2024 22:58

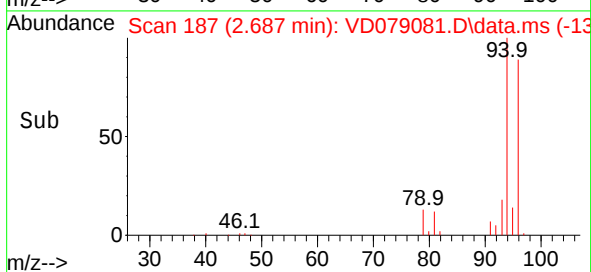
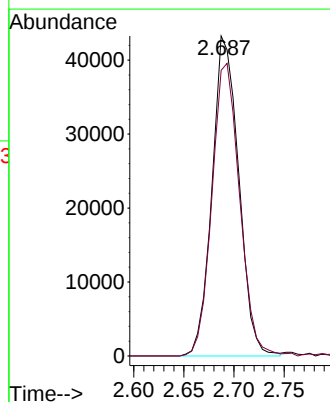
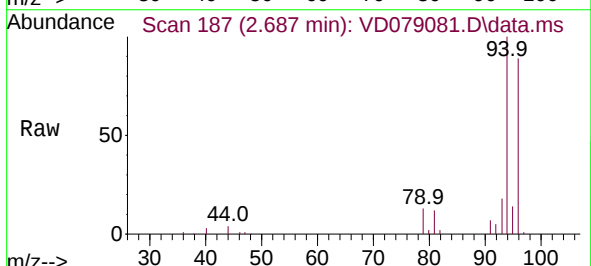
Instrument :  
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 ClientSampleId :

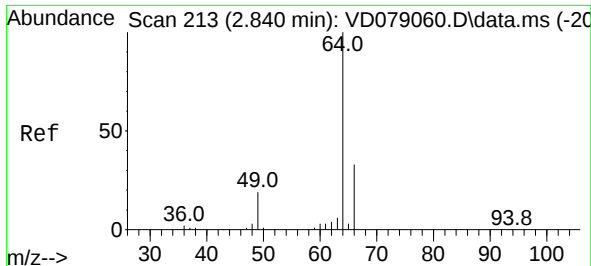
Tgt Ion: 62 Resp: 133540  
 Ion Ratio Lower Upper  
 62 100  
 64 33.1 24.8 46.1



#6  
 Bromomethane  
 Concen: 19.046 ug/L  
 RT: 2.687 min Scan# 187  
 Delta R.T. -0.006 min  
 Lab File: VD079081.D  
 Acq: 29 May 2024 22:58

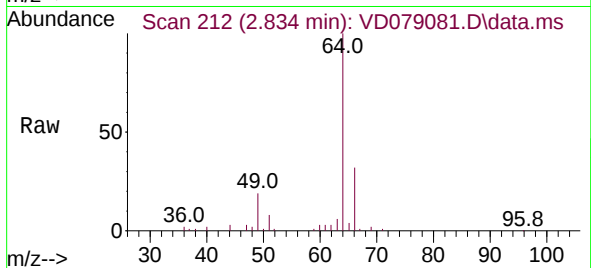
Tgt Ion: 94 Resp: 79999  
 Ion Ratio Lower Upper  
 94 100  
 96 89.2 63.6 118.2



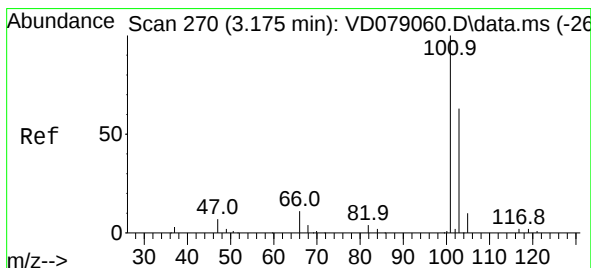
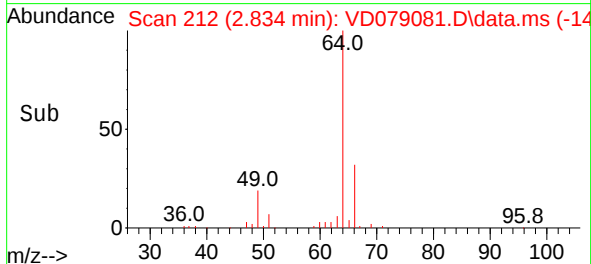
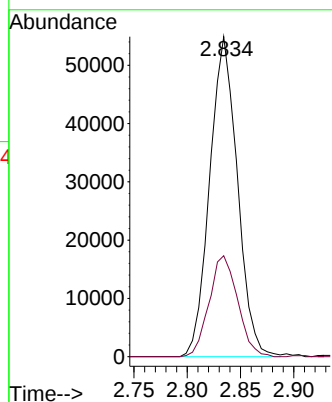


#8  
Chloroethane  
Concen: 24.869 ug/L  
RT: 2.834 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Instrument :  
MSVOA\_D  
ClientSampleId :

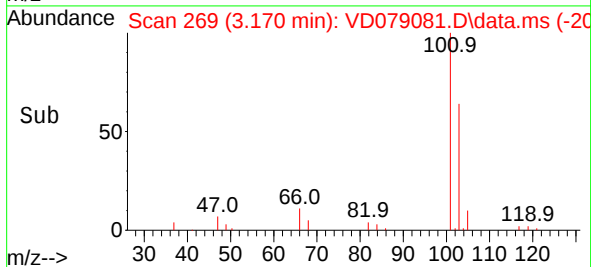
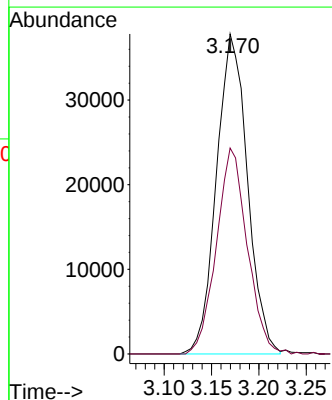
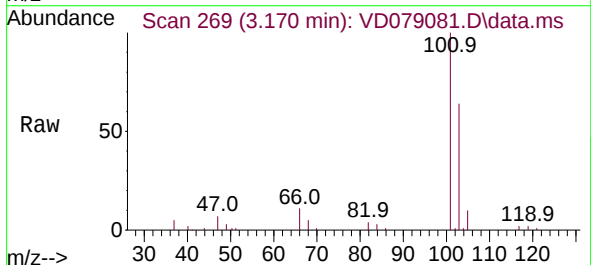


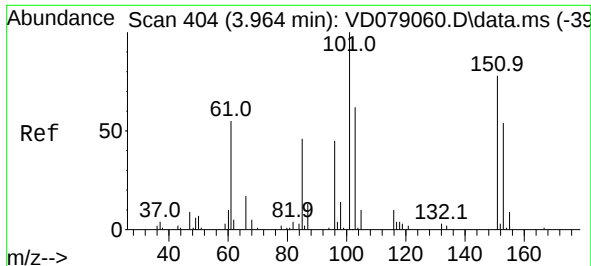
Tgt Ion: 64 Resp: 99172  
Ion Ratio Lower Upper  
64 100  
66 31.5 24.8 46.1



#9  
Trichlorofluoromethane  
Concen: 20.751 ug/L  
RT: 3.170 min Scan# 269  
Delta R.T. -0.006 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Tgt Ion:101 Resp: 86004  
Ion Ratio Lower Upper  
101 100  
103 64.1 52.6 79.0





#10

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

Concen: 20.417 ug/L

RT: 3.958 min Scan# 40

Delta R.T. -0.006 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

ClientSampleId :

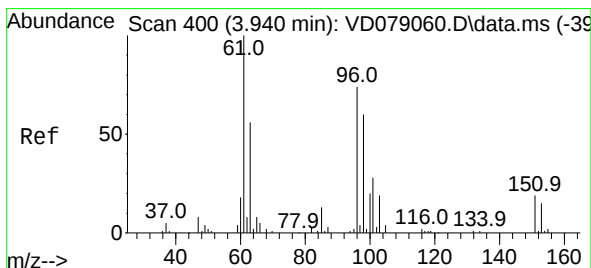
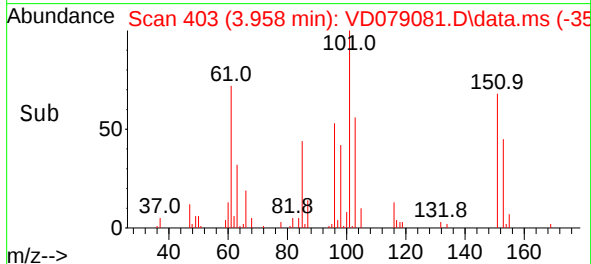
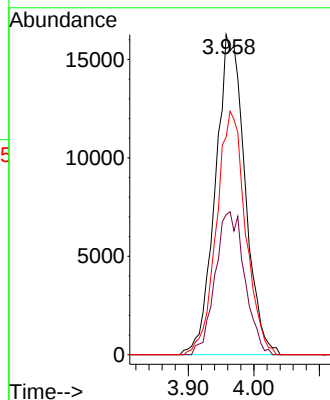
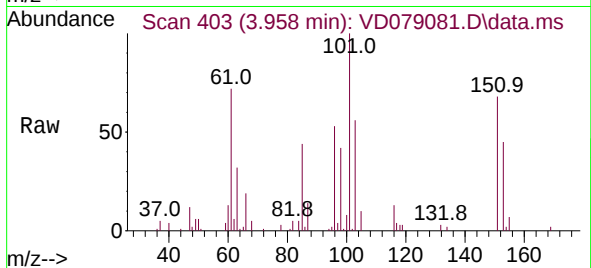
Tgt Ion:101 Resp: 50743

Ion Ratio Lower Upper

101 100

85 25.2 35.4 53.0#

151 75.1 59.1 88.7



#12

1,1-Dichloroethene

Concen: 21.301 ug/L

RT: 3.940 min Scan# 400

Delta R.T. -0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

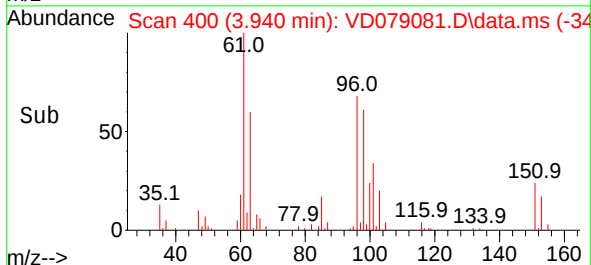
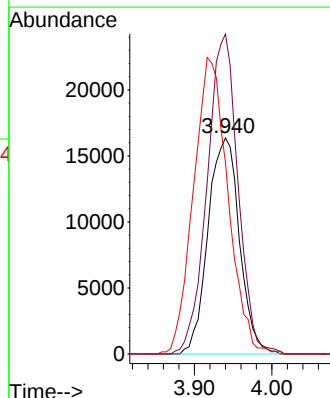
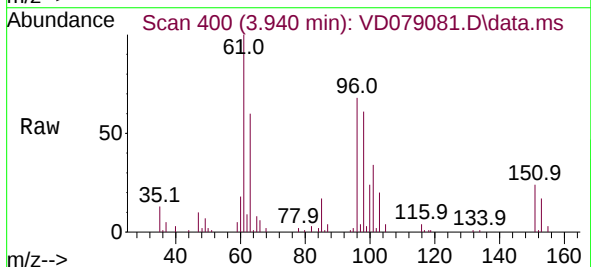
Tgt Ion: 96 Resp: 46090

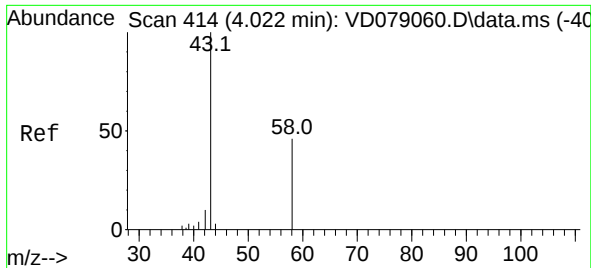
Ion Ratio Lower Upper

96 100

61 148.1 93.9 174.3

63 88.6 67.7 125.7





#13

Acetone

Concen: 16.268 ug/L

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

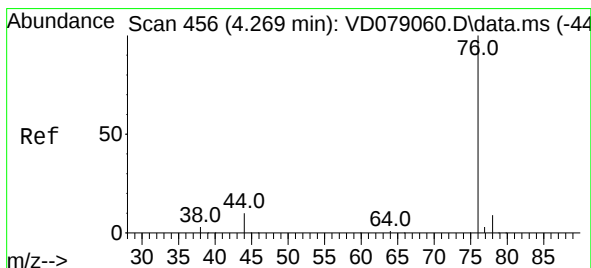
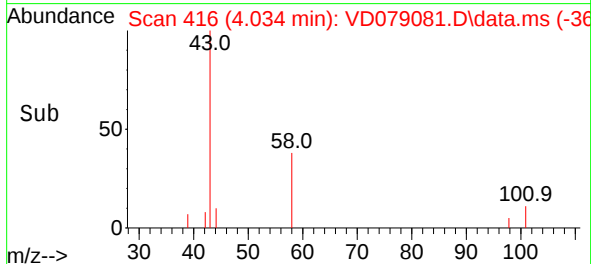
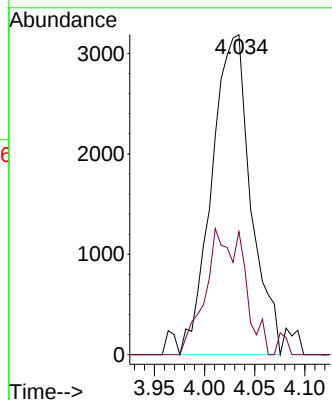
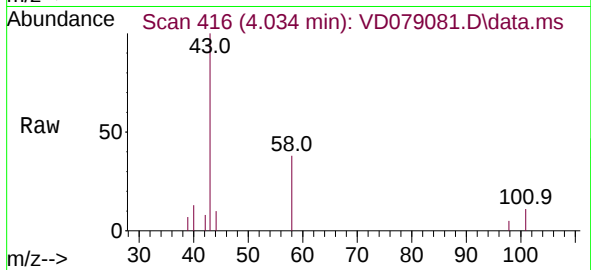
ClientSampleId :

Tgt Ion: 43 Resp: 8661

Ion Ratio Lower Upper

43 100

58 10.6 0.0 78.2



#14

Carbon disulfide

Concen: 21.029 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD079081.D

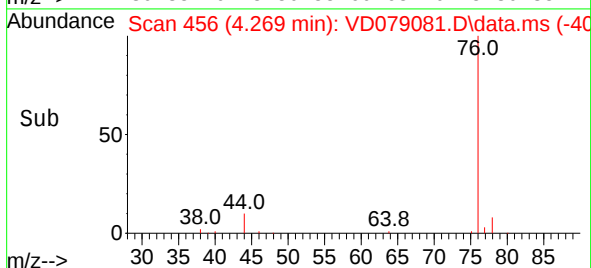
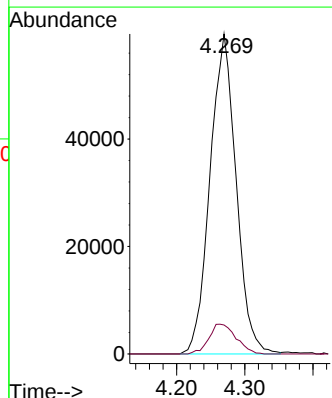
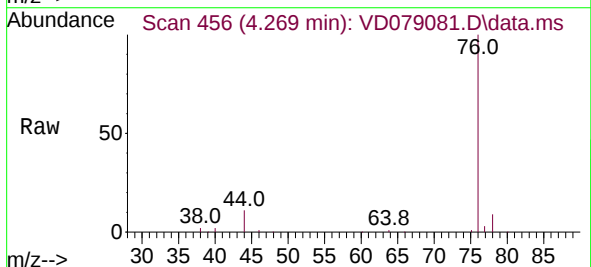
Acq: 29 May 2024 22:58

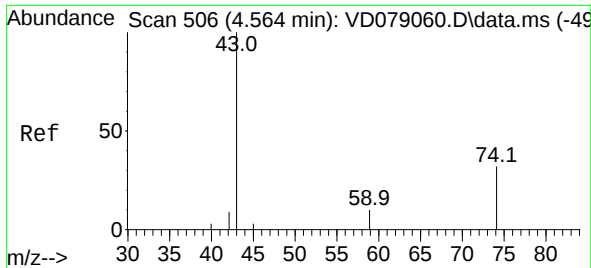
Tgt Ion: 76 Resp: 158724

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

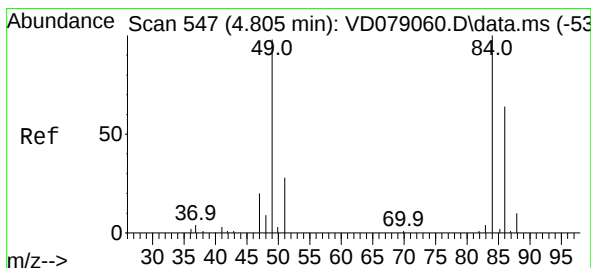
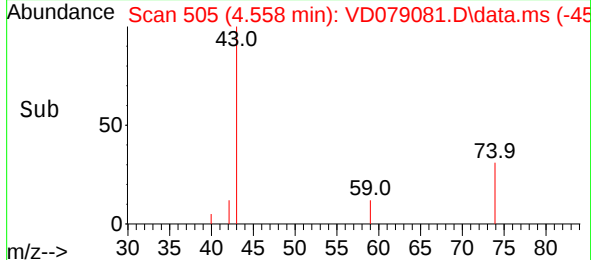
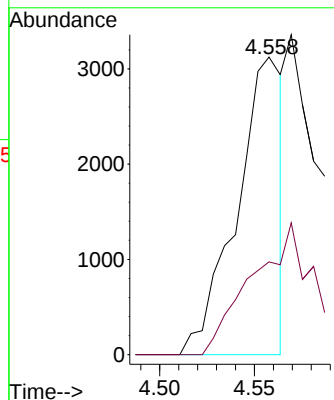
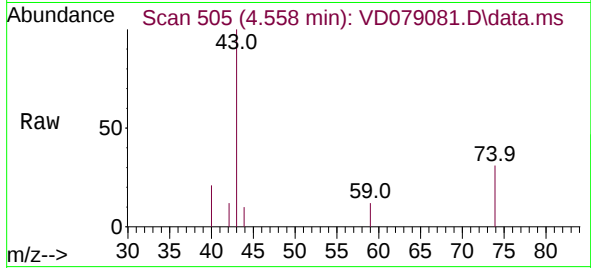




#15  
Methyl Acetate  
Concen: 7.222 ug/L  
RT: 4.558 min Scan# 506  
Delta R.T. -0.006 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

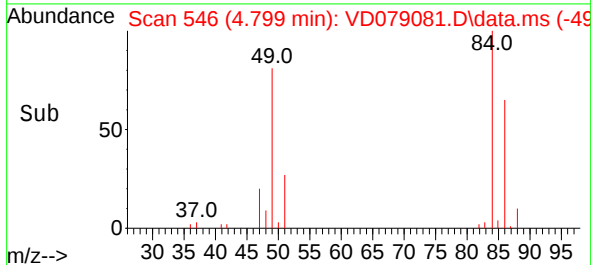
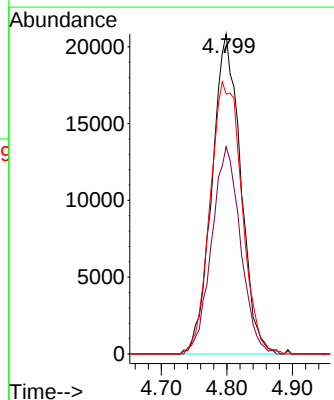
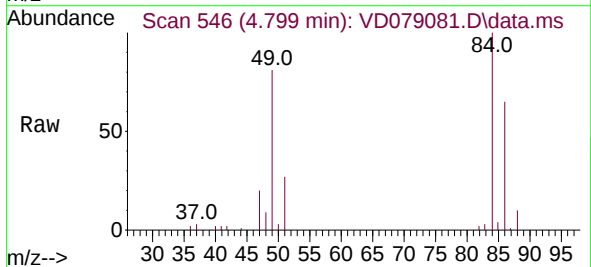
Instrument :  
MSVOA\_D  
ClientSampleId :

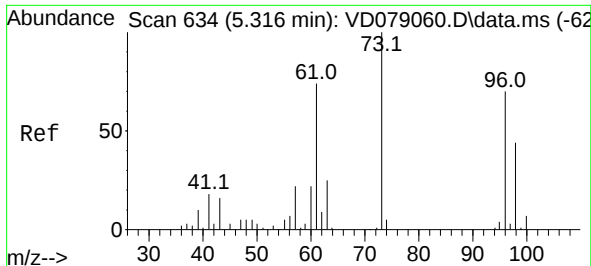
Tgt Ion: 43 Resp: 5239  
Ion Ratio Lower Upper  
43 100  
74 32.1 23.8 35.6



#16  
Methylene chloride  
Concen: 22.668 ug/L  
RT: 4.799 min Scan# 546  
Delta R.T. -0.006 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Tgt Ion: 84 Resp: 63104  
Ion Ratio Lower Upper  
84 100  
86 64.8 40.9 76.0  
49 81.2 67.5 125.3





#17

trans-1,2-Dichloroethene

Concen: 22.702 ug/L

RT: 5.311 min Scan# 61

Delta R.T. -0.006 min

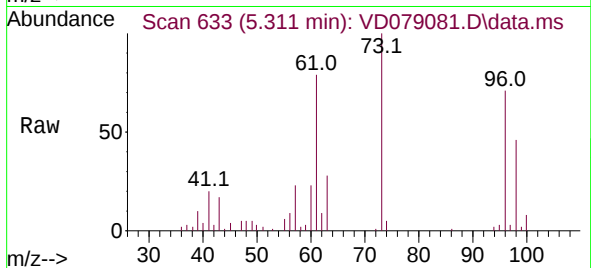
Lab File: VD079081.D

Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

ClientSampleId :



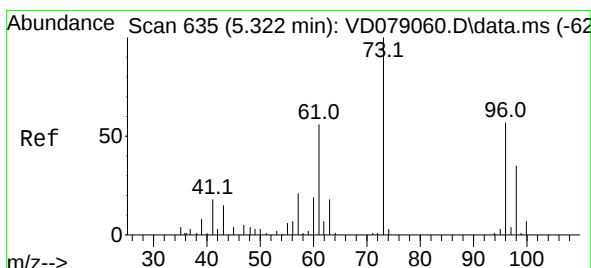
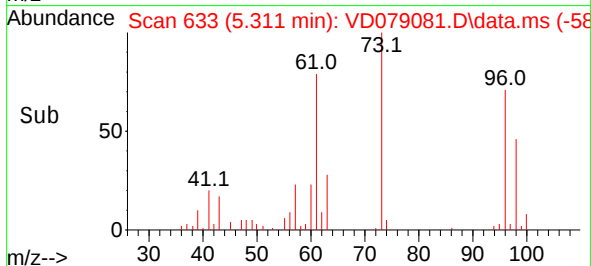
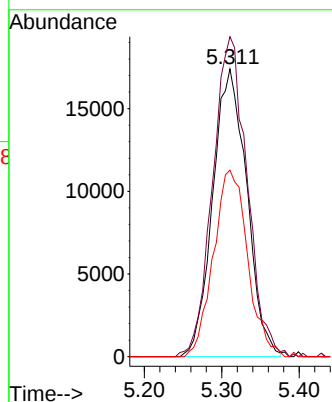
Tgt Ion: 96 Resp: 53084

Ion Ratio Lower Upper

96 100

61 111.2 71.9 133.5

98 64.8 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 21.638 ug/L

RT: 5.322 min Scan# 635

Delta R.T. 0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

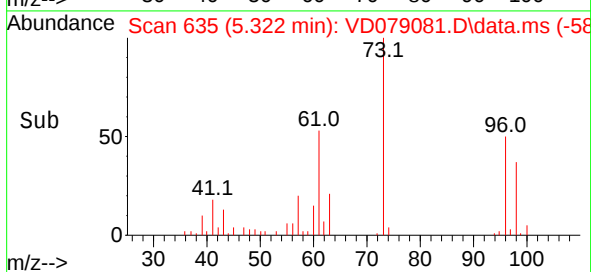
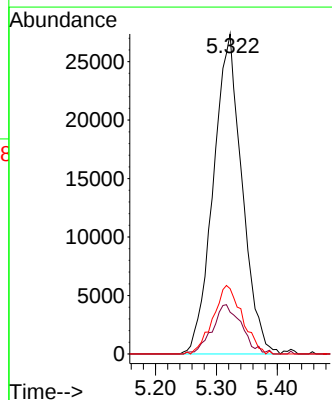
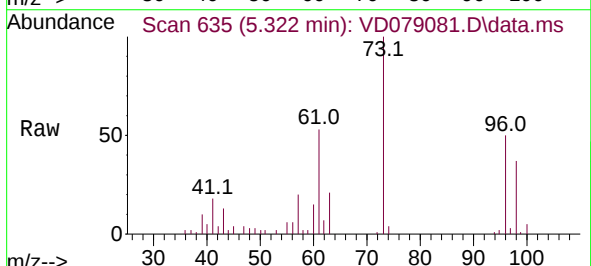
Tgt Ion: 73 Resp: 89735

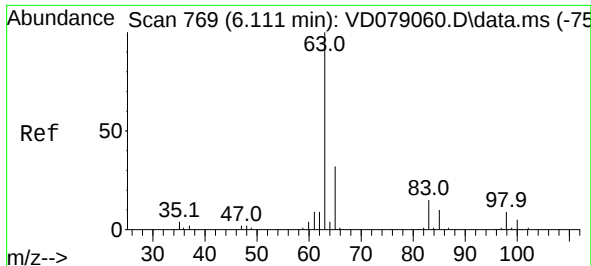
Ion Ratio Lower Upper

73 100

43 15.0 12.0 18.0

57 21.5 9.6 14.4#





#19

1,1-Dichloroethane

Concen: 13.403 ug/L

RT: 6.105 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

ClientSampleId :

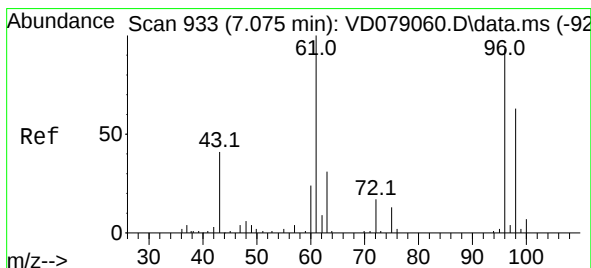
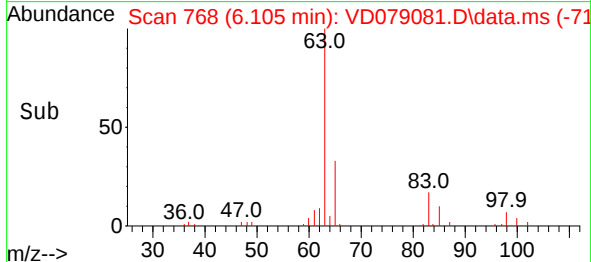
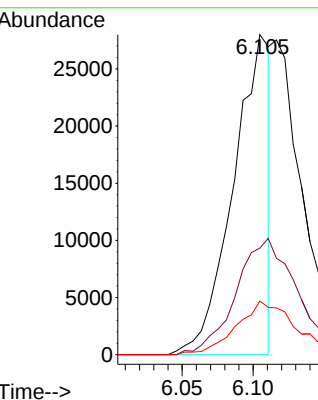
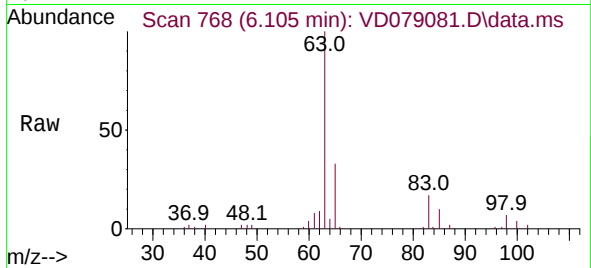
Tgt Ion: 63 Resp: 50457

Ion Ratio Lower Upper

63 100

65 33.3 22.8 42.4

83 16.8 8.6 16.0#



#20

cis-1,2-Dichloroethene

Concen: 23.119 ug/L

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

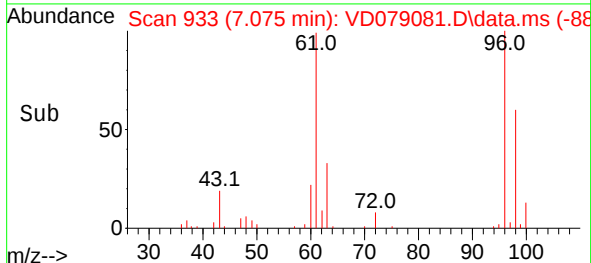
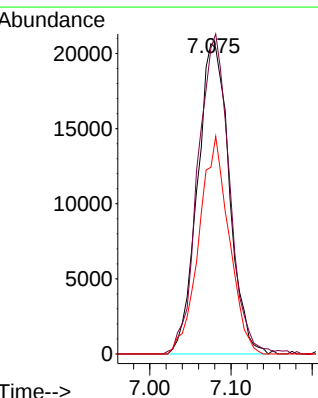
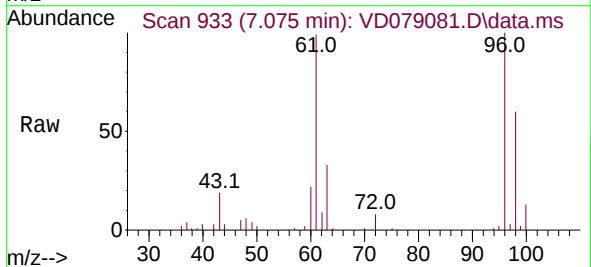
Tgt Ion: 96 Resp: 56290

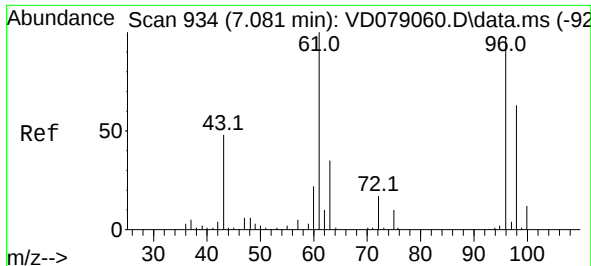
Ion Ratio Lower Upper

96 100

61 98.6 72.6 134.8

98 60.2 43.8 81.3





#22

2-Butanone

Concen: 25.683 ug/L

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

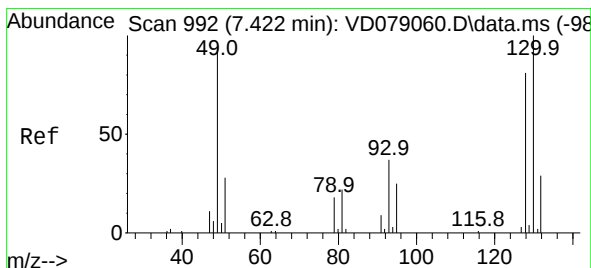
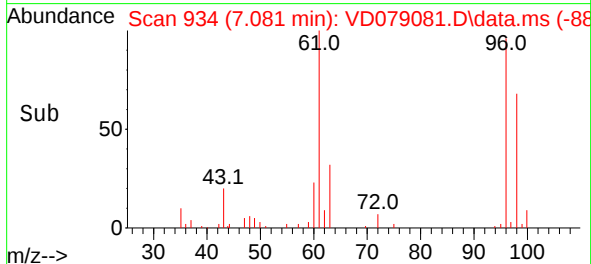
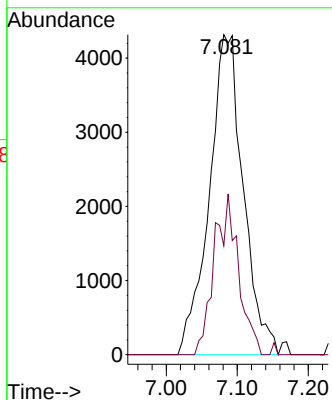
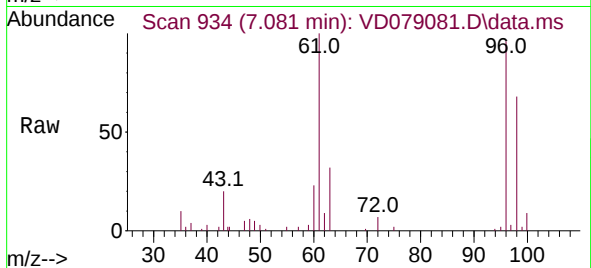
ClientSampleId :

Tgt Ion: 43 Resp: 14364

Ion Ratio Lower Upper

43 100

72 18.8 19.3 57.8#



#23

Bromochloromethane

Concen: 24.155 ug/L

RT: 7.428 min Scan# 993

Delta R.T. 0.006 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

Tgt Ion:128 Resp: 29817

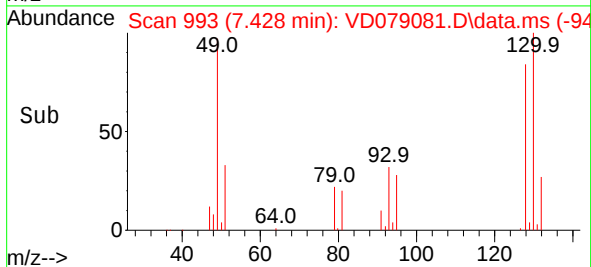
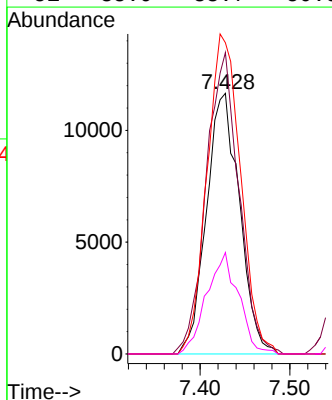
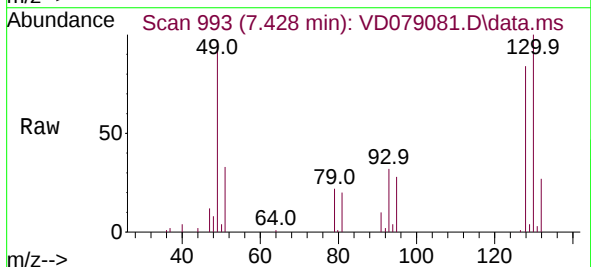
Ion Ratio Lower Upper

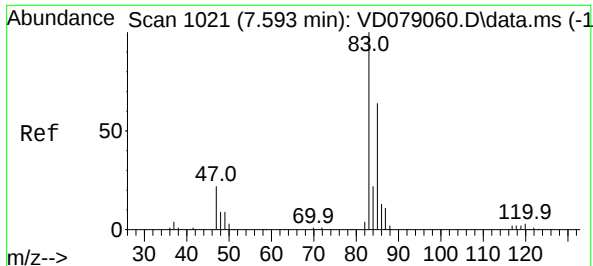
128 100

49 115.7 81.8 151.8

130 119.4 90.4 167.8

51 38.9 33.7 50.5

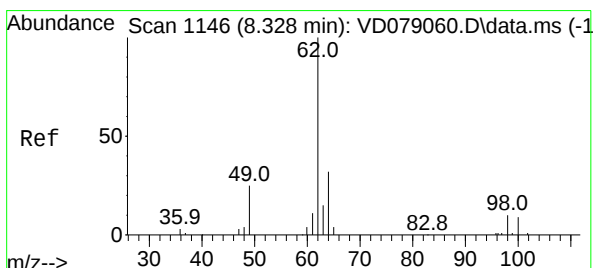
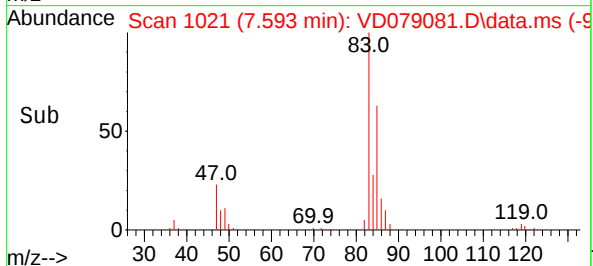
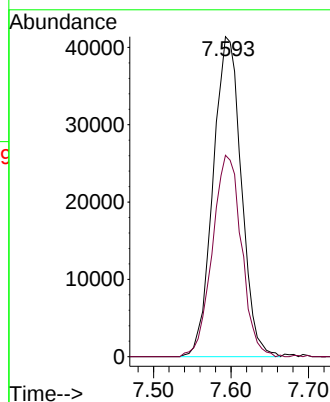
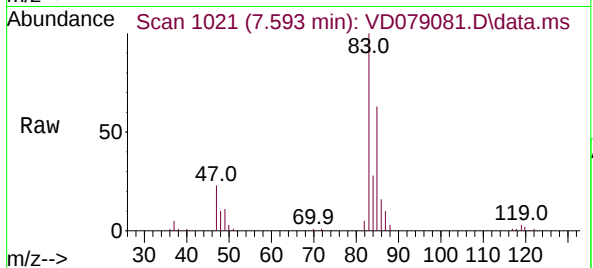




#25  
Chloroform  
Concen: 24.503 ug/L  
RT: 7.593 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

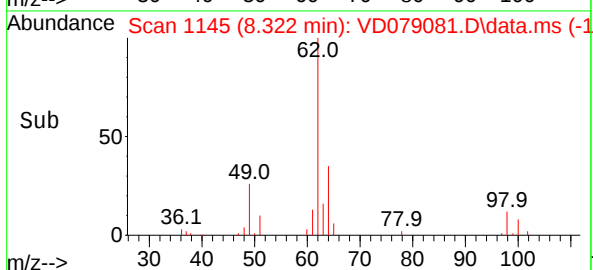
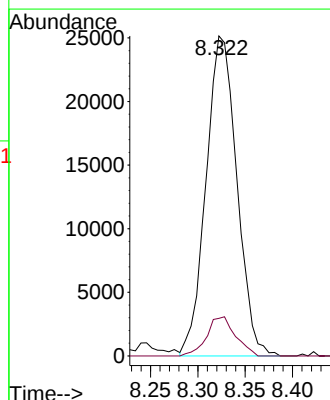
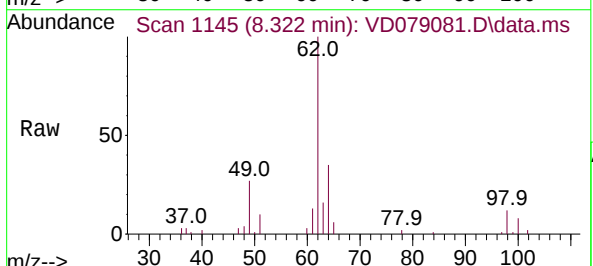
Instrument :  
MSVOA\_D  
ClientSampleId :

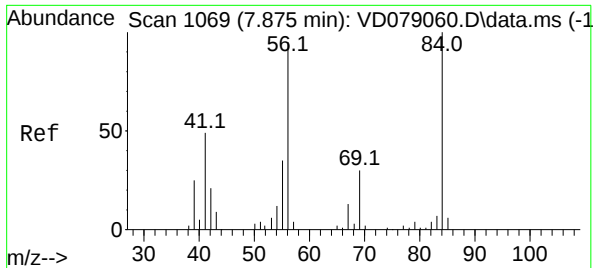
Tgt Ion: 83 Resp: 104734  
Ion Ratio Lower Upper  
83 100  
85 62.9 47.9 89.1



#27  
1,2-Dichloroethane  
Concen: 23.007 ug/L  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Tgt Ion: 62 Resp: 57085  
Ion Ratio Lower Upper  
62 100  
98 11.7 8.2 12.4





#29

Cyclohexane

Concen: 20.741 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

ClientSampleId :

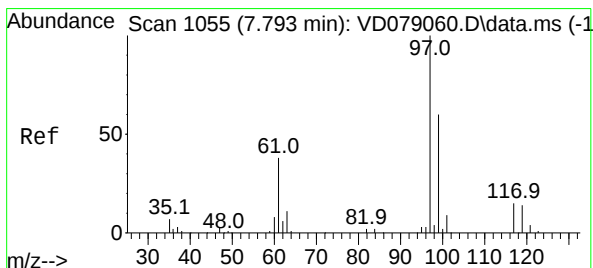
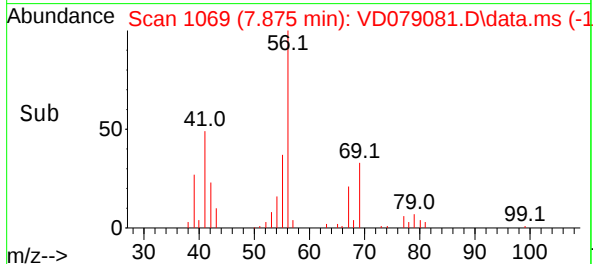
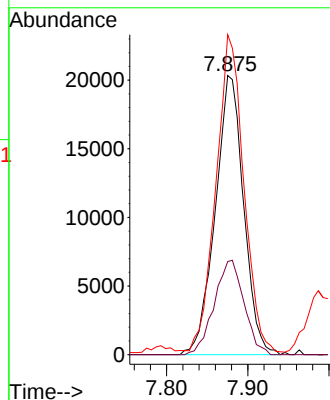
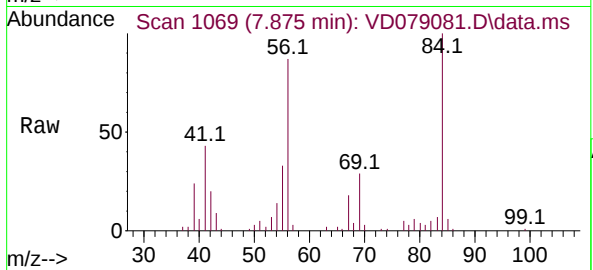
Tgt Ion: 56 Resp: 49373

Ion Ratio Lower Upper

56 100

69 35.5 26.6 40.0

84 113.7 87.5 131.3



#30

1,1,1-Trichloroethane

Concen: 26.795 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

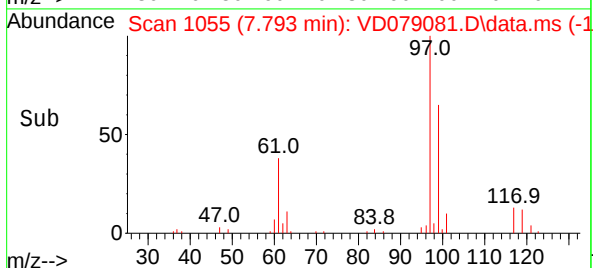
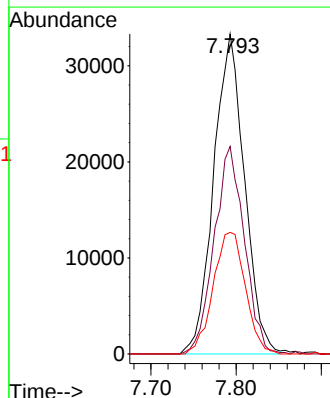
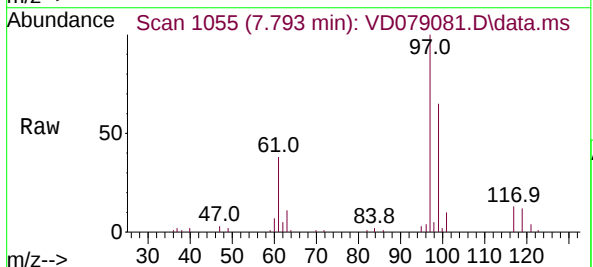
Tgt Ion: 97 Resp: 83699

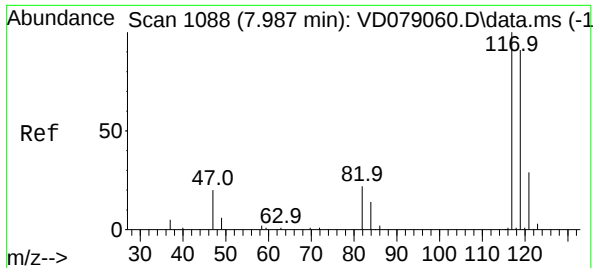
Ion Ratio Lower Upper

97 100

99 63.5 52.3 78.5

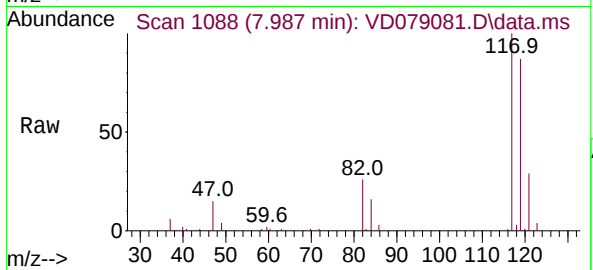
61 39.7 31.7 47.5



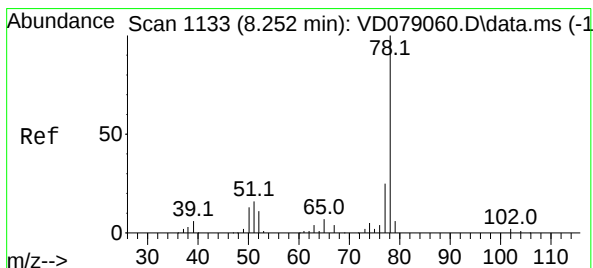
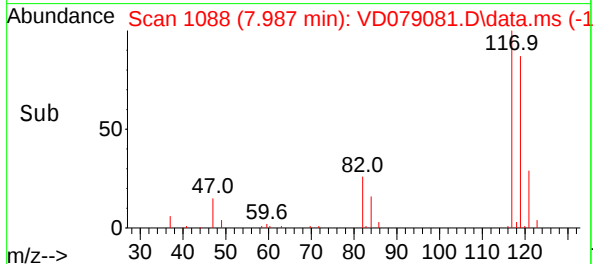
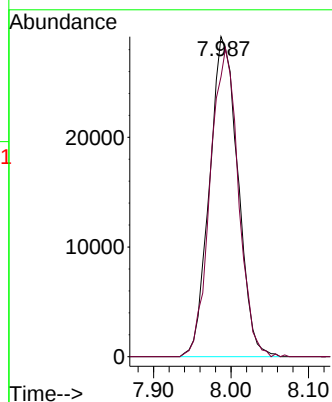


#31  
Carbon tetrachloride  
Concen: 25.599 ug/L  
RT: 7.987 min Scan# 1088  
Delta R.T. 0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Instrument :  
MSVOA\_D  
ClientSampleId :

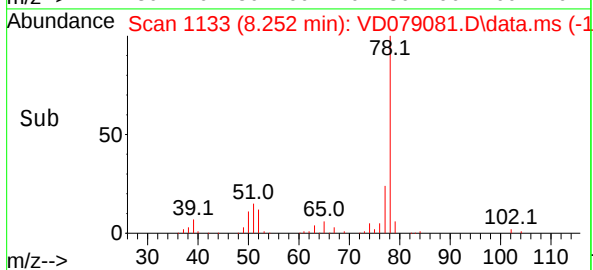
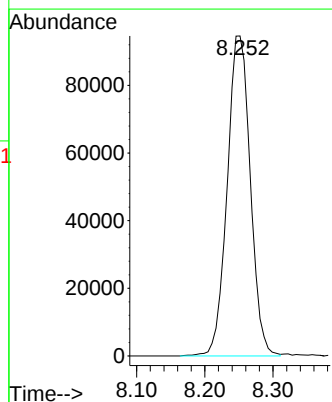
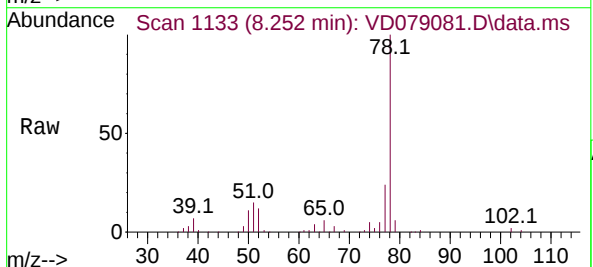


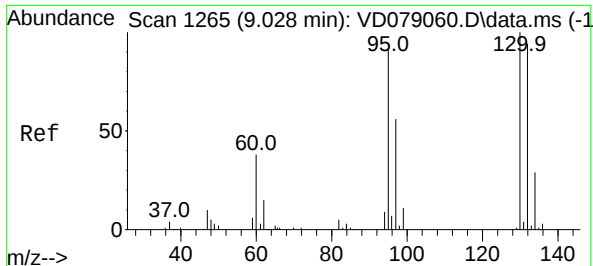
Tgt Ion:117 Resp: 74306  
Ion Ratio Lower Upper  
117 100  
119 95.2 79.6 119.4



#33  
Benzene  
Concen: 28.432 ug/L  
RT: 8.252 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Tgt Ion: 78 Resp: 223420

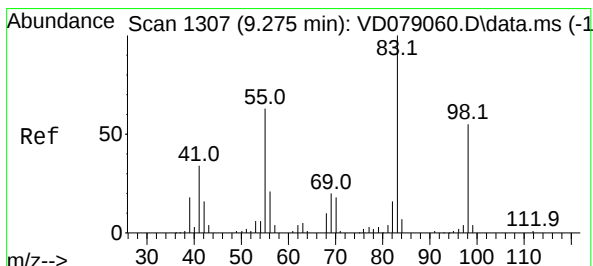
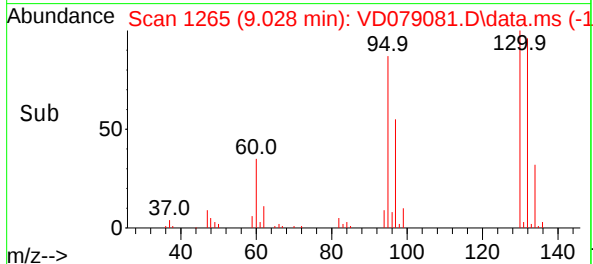
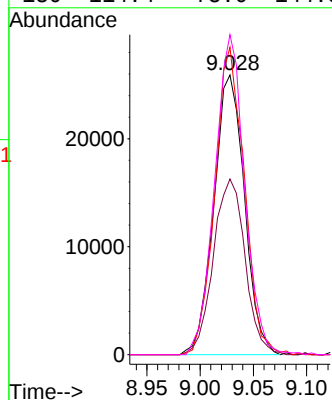
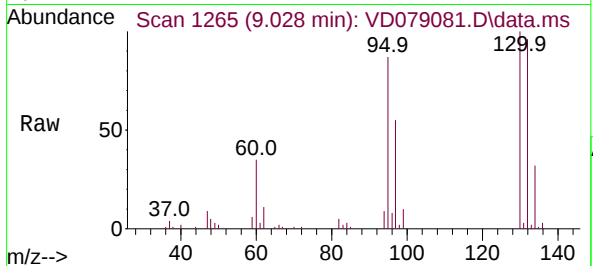




#34  
Trichloroethene  
Concen: 25.586 ug/L  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

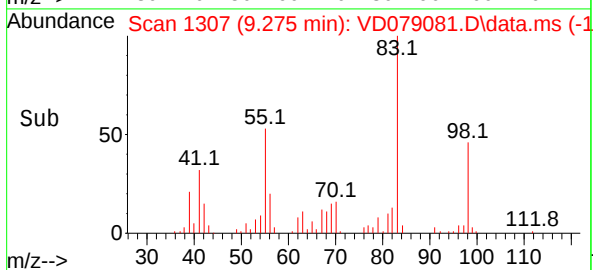
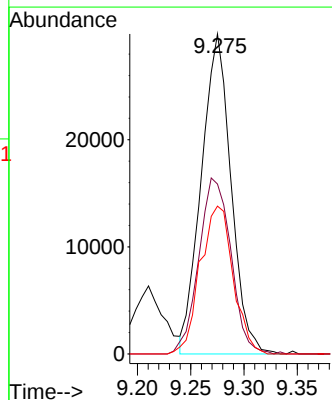
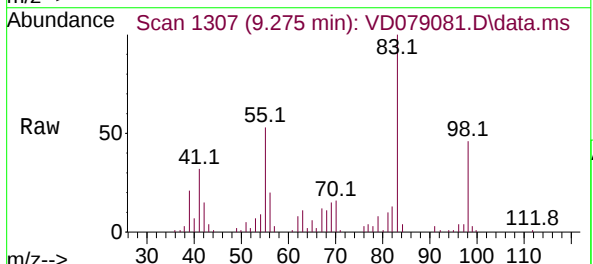
Instrument :  
MSVOA\_D  
ClientSampleId :

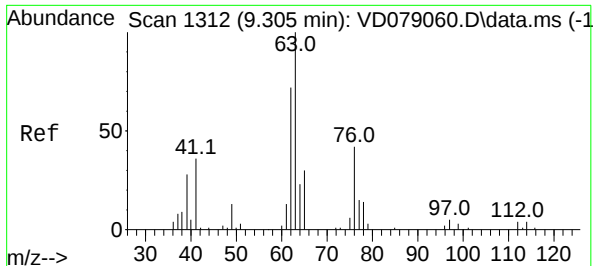
Tgt Ion: 95 Resp: 51784  
Ion Ratio Lower Upper  
95 100  
97 62.8 44.6 82.8  
132 109.9 74.9 139.1  
130 114.4 78.0 144.8



#35  
Methylcyclohexane  
Concen: 17.293 ug/L  
RT: 9.275 min Scan# 1307  
Delta R.T. 0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Tgt Ion: 83 Resp: 57992  
Ion Ratio Lower Upper  
83 100  
55 59.4 48.6 72.8  
98 51.0 40.2 60.2





#37

1,2-Dichloropropane

Concen: 27.930 ug/L

RT: 9.305 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

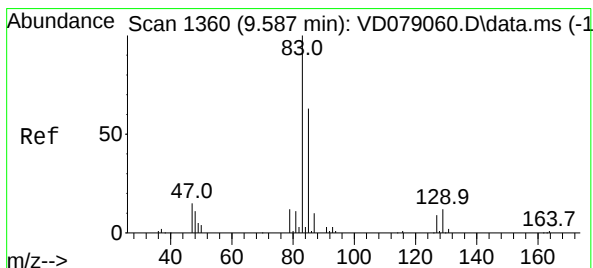
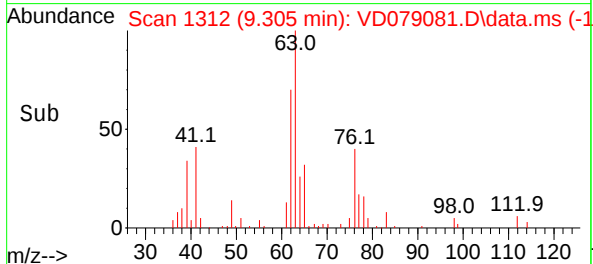
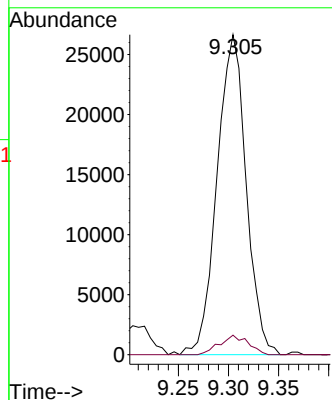
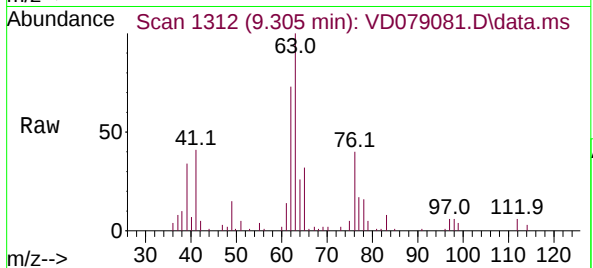
ClientSampleId :

Tgt Ion: 63 Resp: 53759

Ion Ratio Lower Upper

63 100

112 6.0 3.9 5.9#



#38

Bromodichloromethane

Concen: 28.113 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

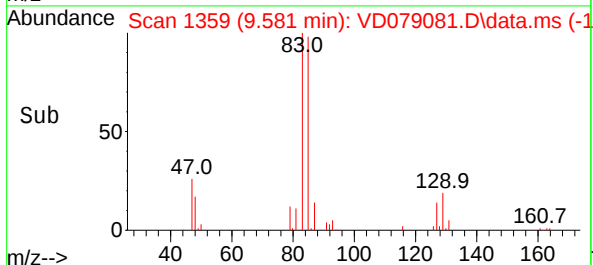
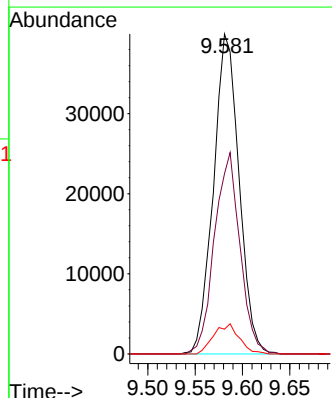
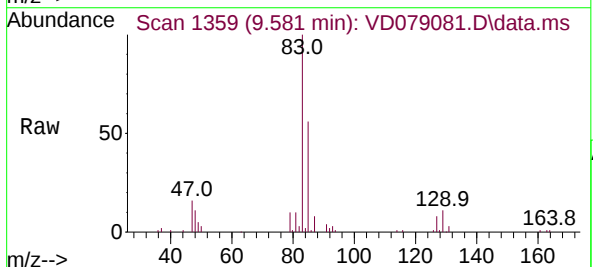
Tgt Ion: 83 Resp: 75222

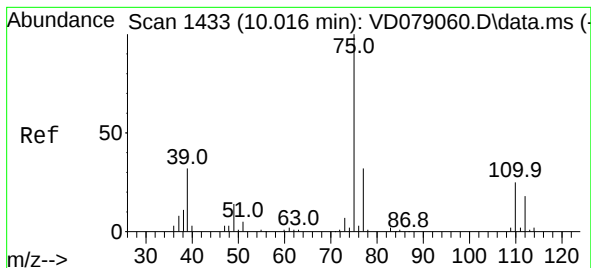
Ion Ratio Lower Upper

83 100

85 56.4 46.5 86.5

127 7.8 7.0 10.6

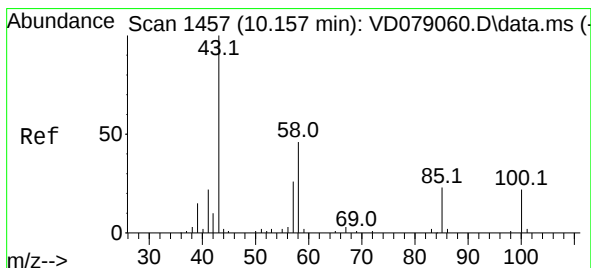
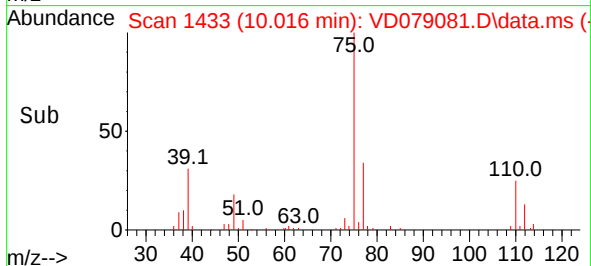
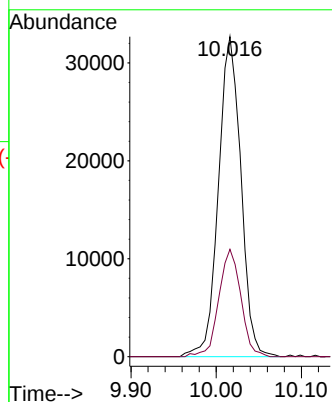
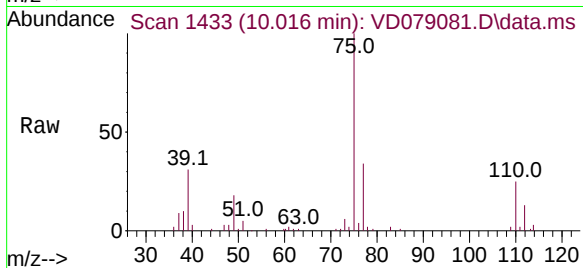




#39  
 cis-1,3-Dichloropropene  
 Concen: 19.975 ug/L  
 RT: 10.016 min Scan# 1433  
 Delta R.T. -0.000 min  
 Lab File: VD079081.D  
 Acq: 29 May 2024 22:58

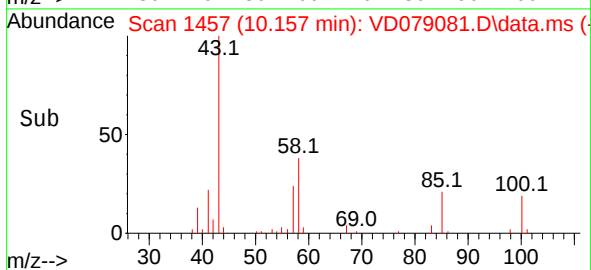
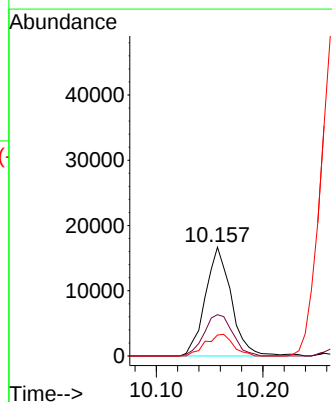
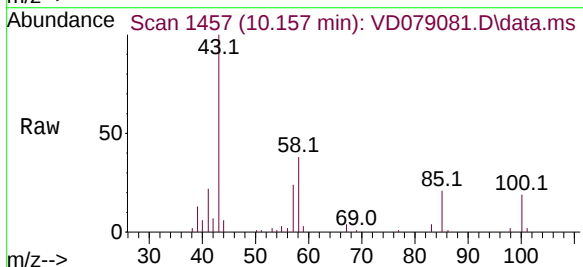
Instrument :  
 MSVOA\_D  
 ClientSampleId :

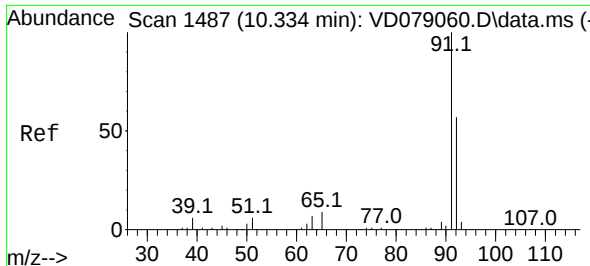
Tgt Ion: 75 Resp: 60017  
 Ion Ratio Lower Upper  
 75 100  
 77 33.5 23.4 43.4



#40  
 4-Methyl-2-pentanone  
 Concen: 35.121 ug/L  
 RT: 10.157 min Scan# 1457  
 Delta R.T. 0.000 min  
 Lab File: VD079081.D  
 Acq: 29 May 2024 22:58

Tgt Ion: 43 Resp: 28219  
 Ion Ratio Lower Upper  
 43 100  
 58 41.9 34.0 51.0  
 100 21.0 16.9 25.3

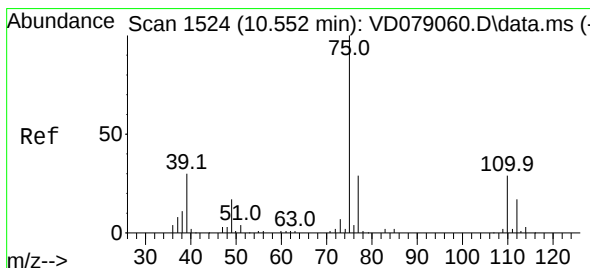
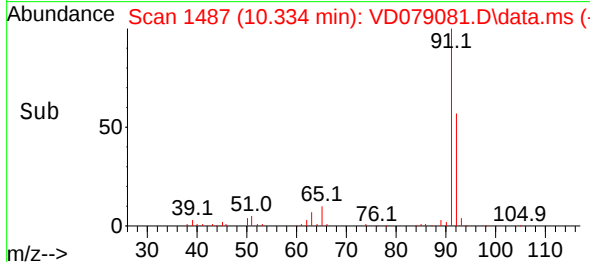
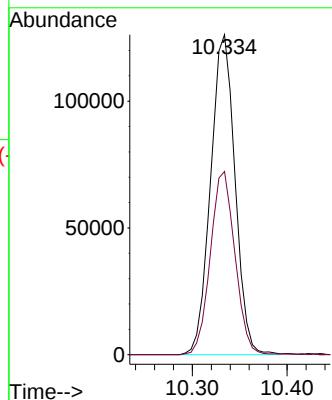
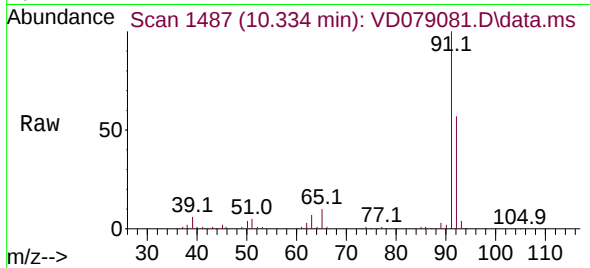




#42  
Toluene  
Concen: 25.939 ug/L  
RT: 10.334 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

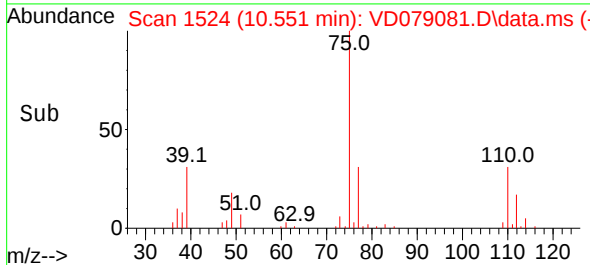
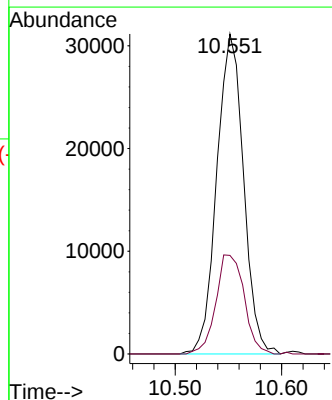
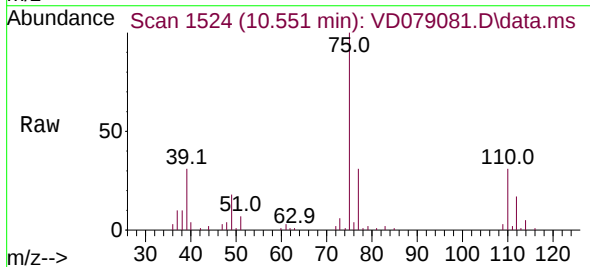
Instrument :  
MSVOA\_D  
ClientSampleId :

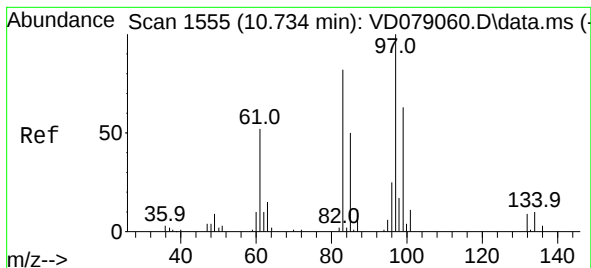
Tgt Ion: 91 Resp: 226339  
Ion Ratio Lower Upper  
91 100  
92 57.2 38.9 72.3



#44  
trans-1,3-Dichloropropene  
Concen: 21.359 ug/L  
RT: 10.551 min Scan# 1524  
Delta R.T. -0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Tgt Ion: 75 Resp: 54268  
Ion Ratio Lower Upper  
75 100  
77 30.8 24.3 45.1





#45

1,1,2-Trichloroethane

Concen: 25.574 ug/L

RT: 10.728 min Scan# 1554

Delta R.T. -0.006 min

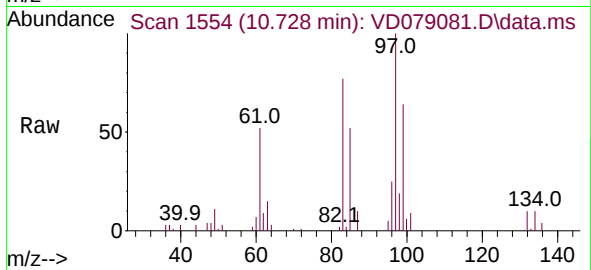
Lab File: VD079081.D

Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 97 Resp: 43184

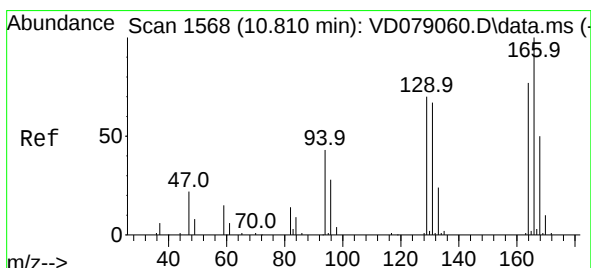
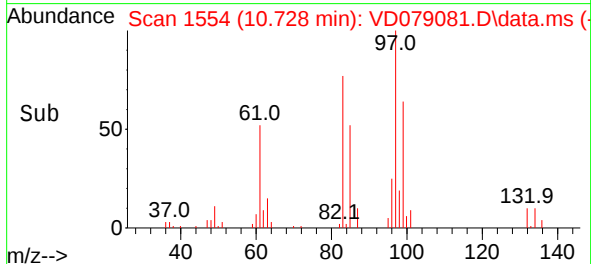
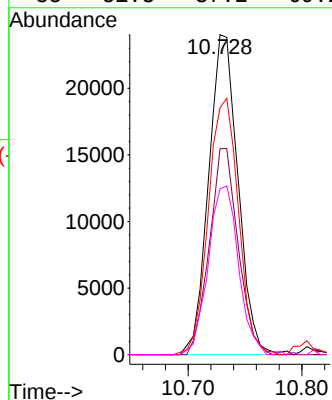
Ion Ratio Lower Upper

97 100

99 64.4 43.0 79.8

83 77.2 58.9 109.5

85 51.8 37.2 69.2



#46

Tetrachloroethene

Concen: 21.142 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

Tgt Ion:164 Resp: 37677

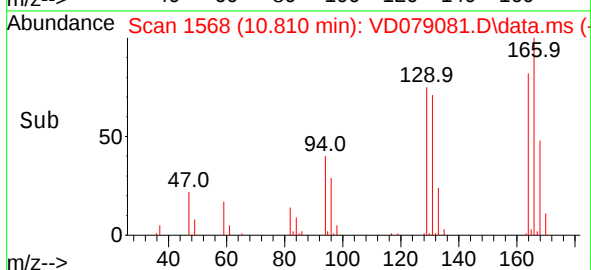
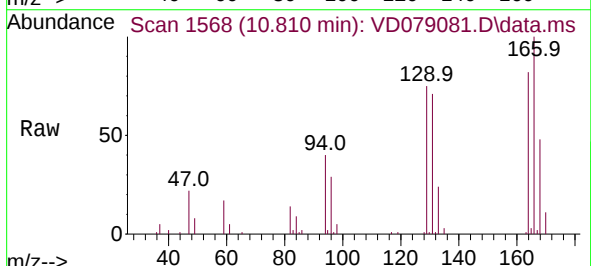
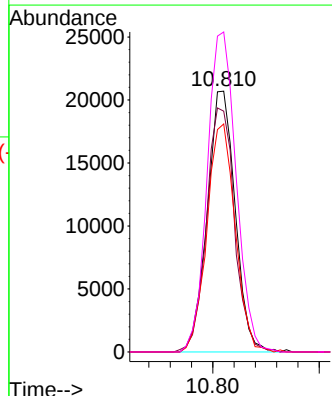
Ion Ratio Lower Upper

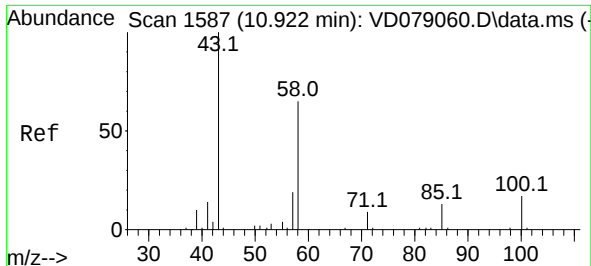
164 100

129 92.3 64.3 119.5

131 87.4 61.2 113.8

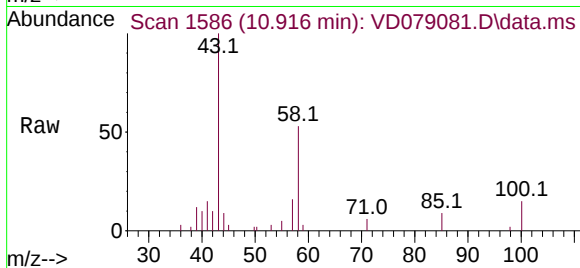
166 122.7 90.0 167.2



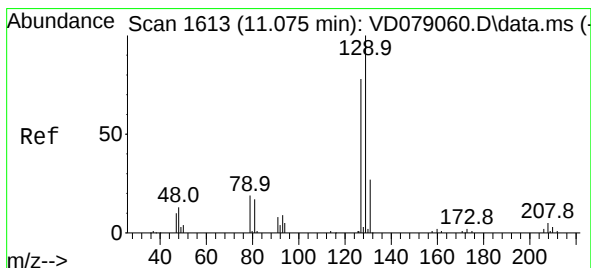
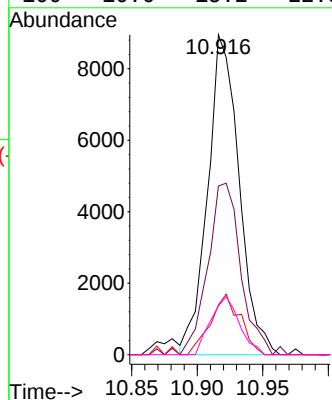
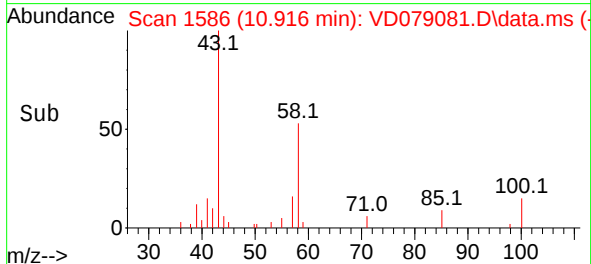


#48  
2-Hexanone  
Concen: 21.465 ug/L  
RT: 10.916 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Instrument :  
MSVOA\_D  
ClientSampleId :

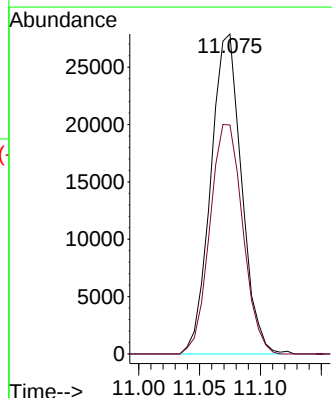
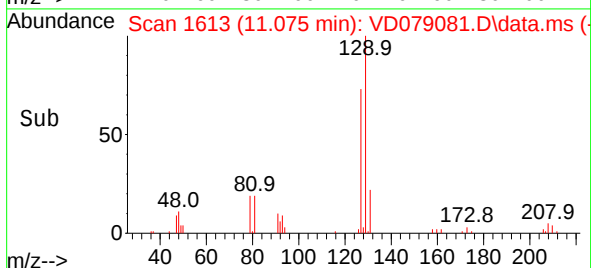
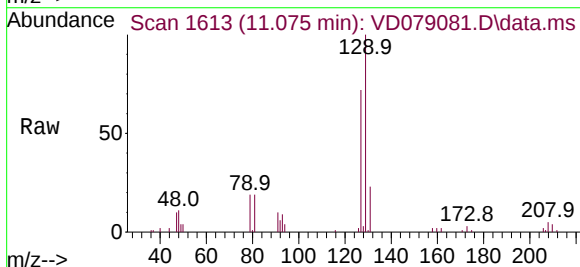


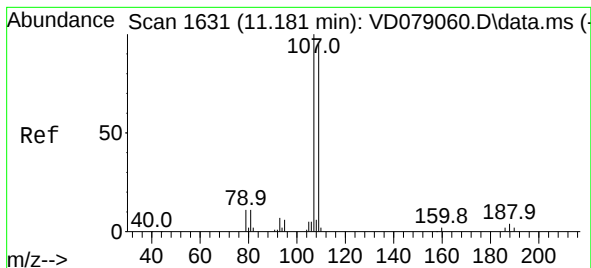
Tgt Ion: 43 Resp: 14924  
Ion Ratio Lower Upper  
43 100  
58 55.8 50.1 75.1  
57 18.0 16.5 24.7  
100 16.6 15.2 22.8



#49  
Dibromochloromethane  
Concen: 24.584 ug/L  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Tgt Ion: 129 Resp: 49158  
Ion Ratio Lower Upper  
129 100  
127 71.6 56.4 104.7





#50

1,2-Dibromoethane

Concen: 24.429 ug/L

RT: 11.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD079081.D

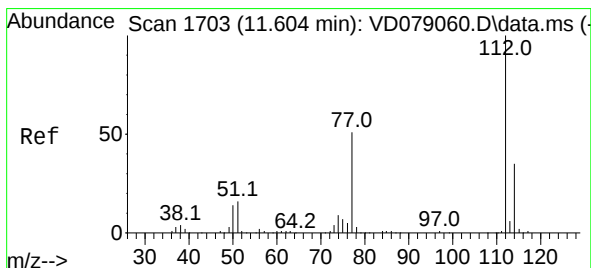
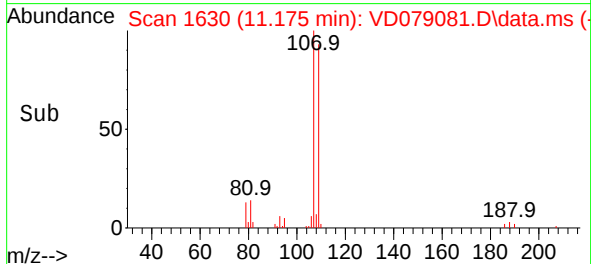
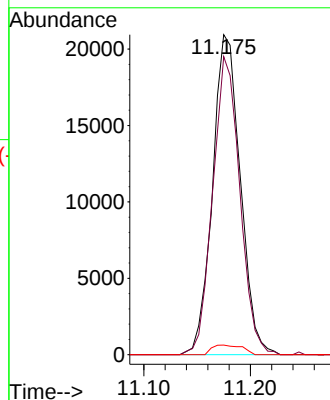
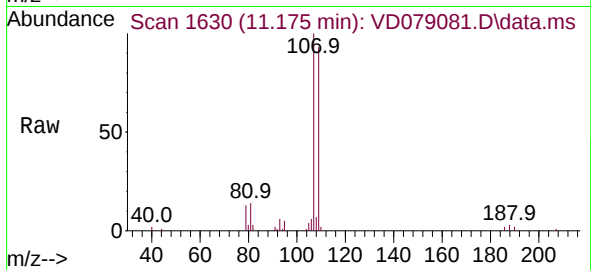
Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 37911      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 93.2  | 64.5 119.7 |
| 188         | 3.0   | 2.6 3.8    |



#51

Chlorobenzene

Concen: 22.744 ug/L

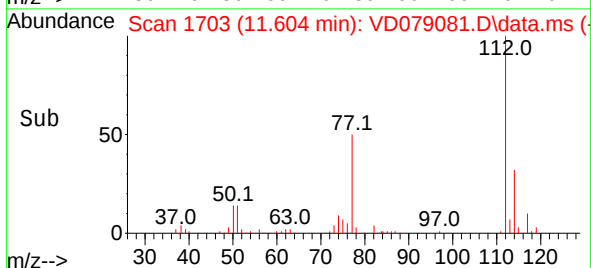
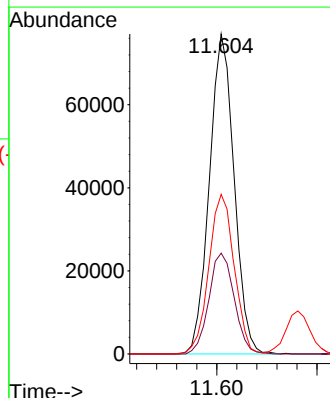
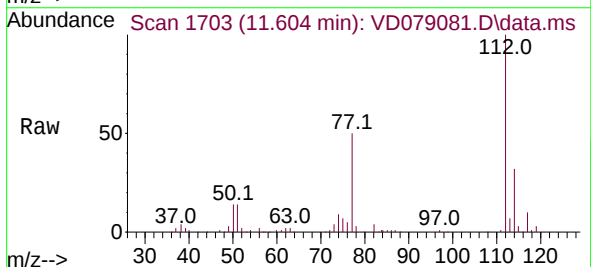
RT: 11.604 min Scan# 1703

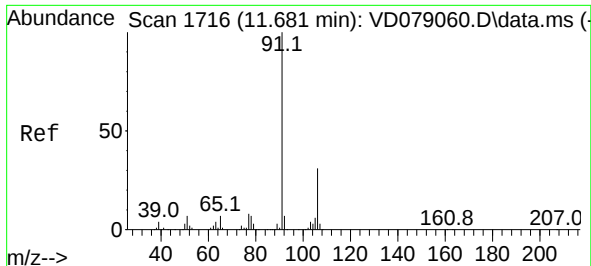
Delta R.T. -0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 132048    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 31.5  | 22.7 42.3 |
| 77          | 49.8  | 38.4 57.6 |





#52

Ethylbenzene

Concen: 22.754 ug/L

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

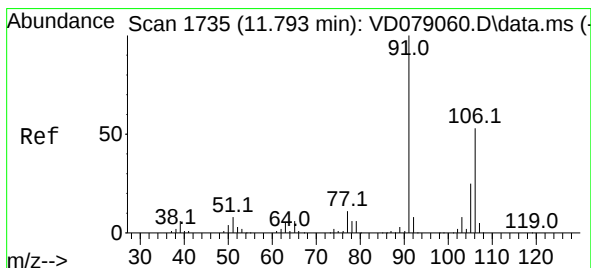
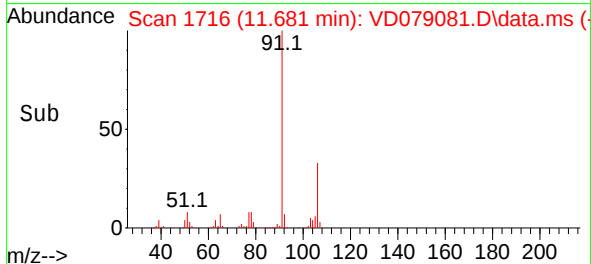
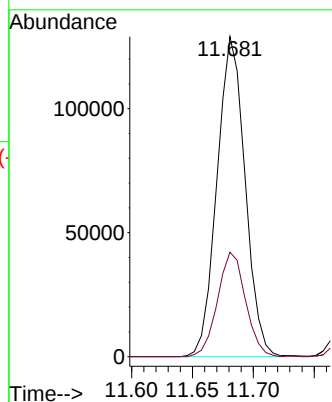
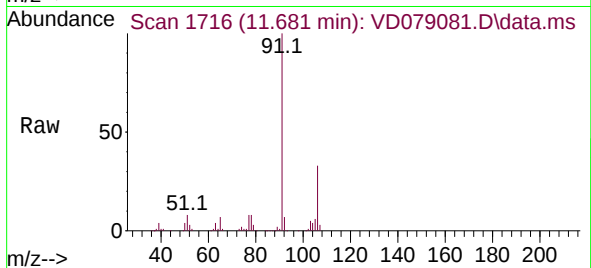
ClientSampleId :

Tgt Ion: 91 Resp: 207101

Ion Ratio Lower Upper

91 100

106 32.7 22.3 41.5



#53

m,p-Xylene

Concen: 22.524 ug/L

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD079081.D

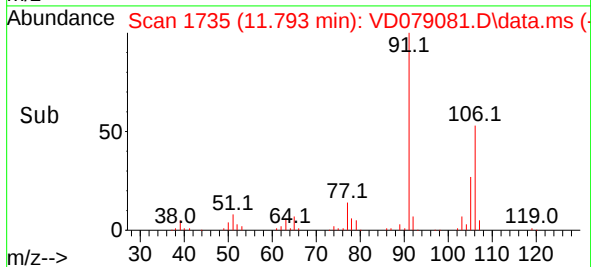
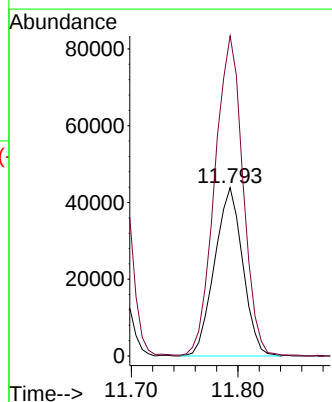
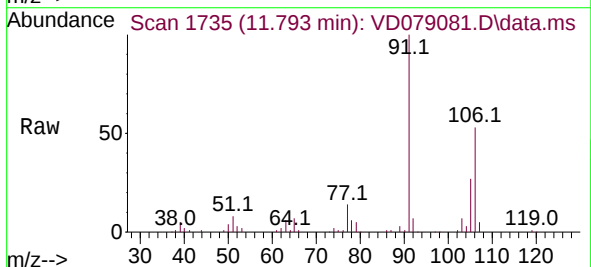
Acq: 29 May 2024 22:58

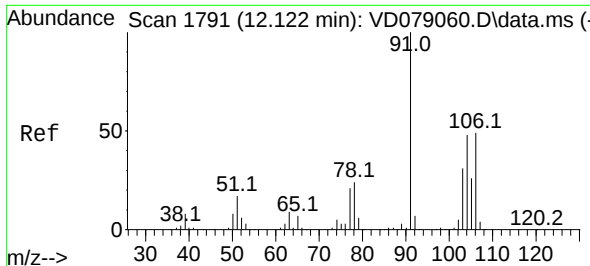
Tgt Ion: 106 Resp: 80434

Ion Ratio Lower Upper

106 100

91 190.1 133.1 247.1

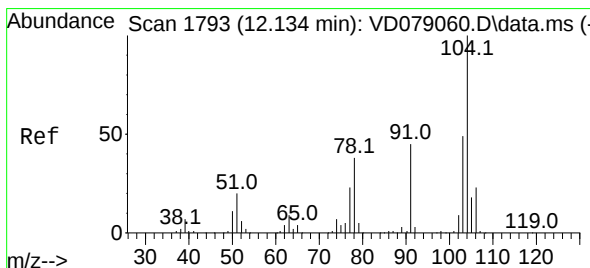
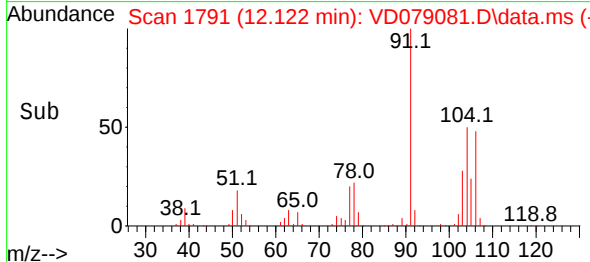
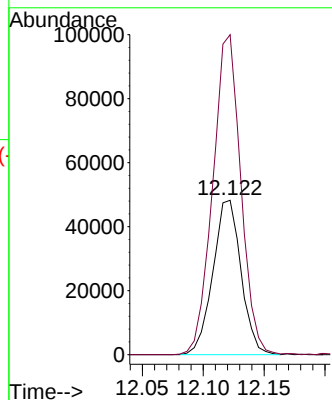
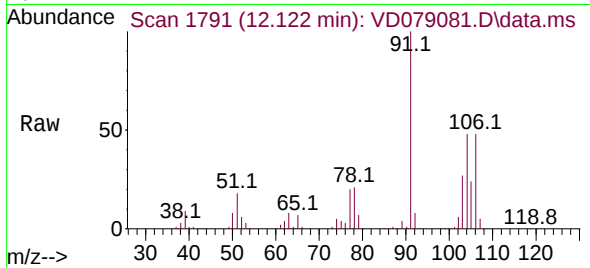




#54  
o-Xylene  
Concen: 22.492 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

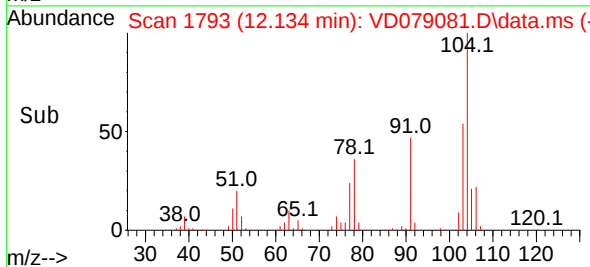
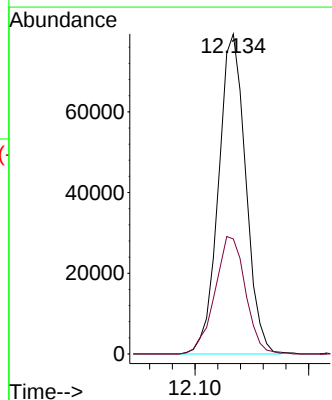
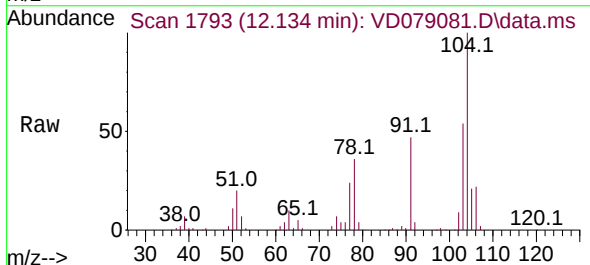
Instrument :  
MSVOA\_D  
ClientSampleId :

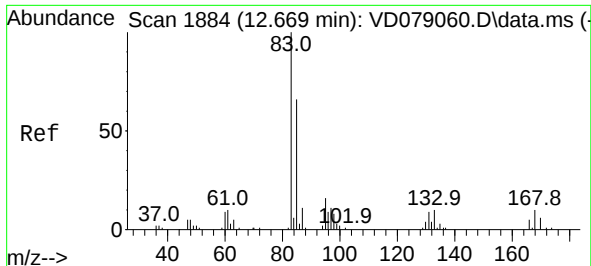
Tgt Ion:106 Resp: 77600  
Ion Ratio Lower Upper  
106 100  
91 207.3 132.9 246.9



#55  
Styrene  
Concen: 21.556 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Tgt Ion:104 Resp: 131868  
Ion Ratio Lower Upper  
104 100  
78 35.9 27.8 51.6

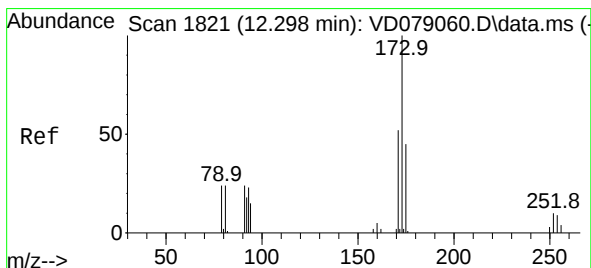
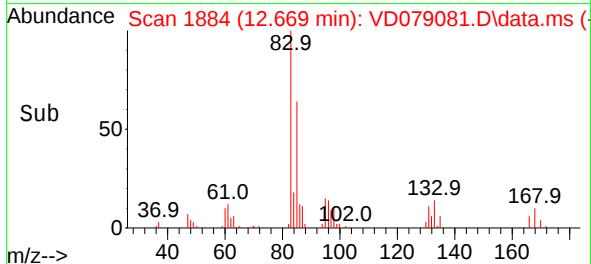
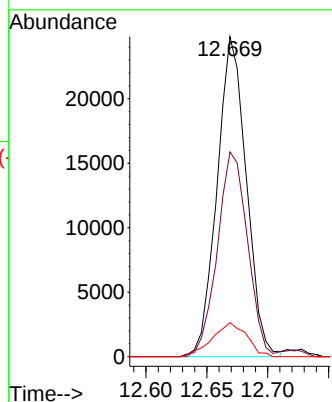
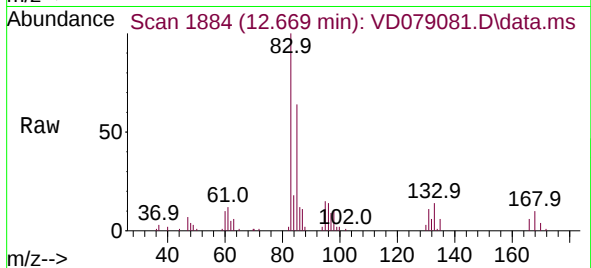




#57  
1,1,2,2-Tetrachloroethane  
Concen: 21.955 ug/L  
RT: 12.669 min Scan# 1884  
Delta R.T. -0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

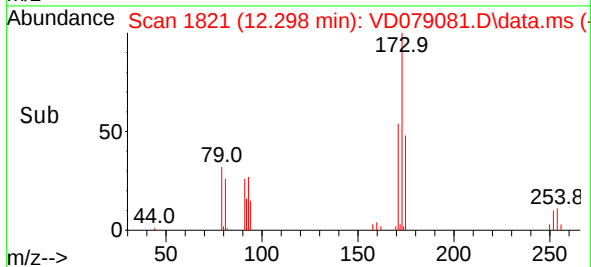
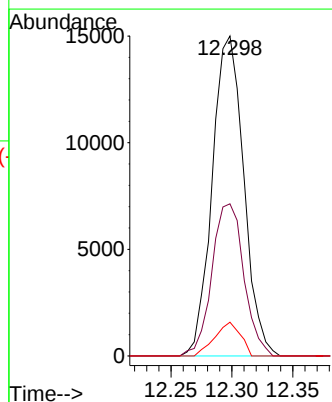
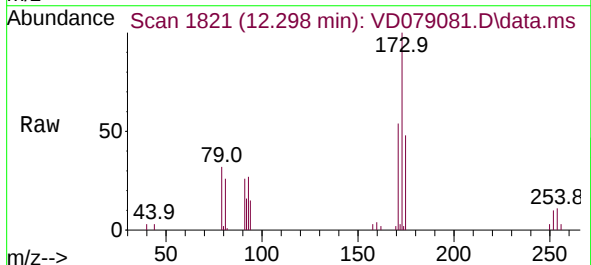
Instrument :  
MSVOA\_D  
ClientSampleId :

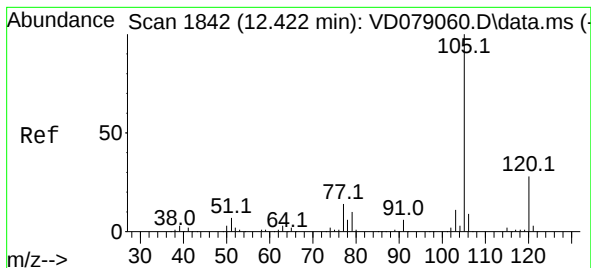
Tgt Ion: 83 Resp: 41498  
Ion Ratio Lower Upper  
83 100  
85 64.0 47.5 88.1  
131 10.7 8.6 13.0



#59  
Bromoform  
Concen: 30.755 ug/L  
RT: 12.298 min Scan# 1821  
Delta R.T. -0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Tgt Ion:173 Resp: 27025  
Ion Ratio Lower Upper  
173 100  
175 48.2 38.2 57.4  
254 8.6 7.0 10.6





#60

Isopropylbenzene

Concen: 28.081 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

ClientSampleId :

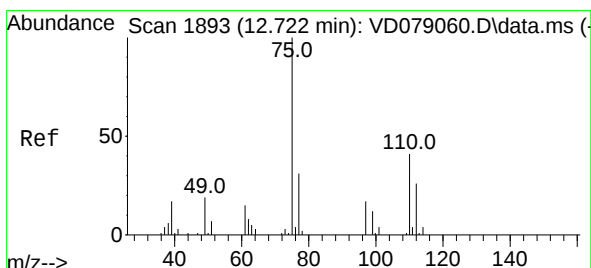
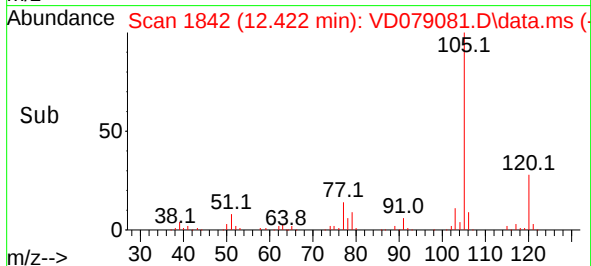
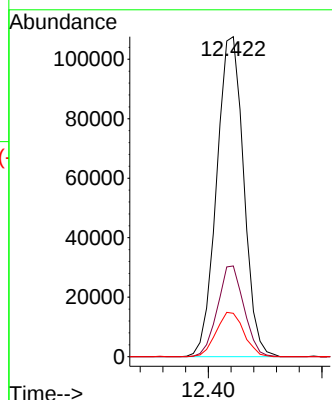
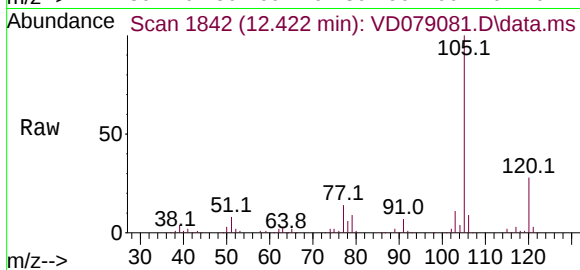
Tgt Ion:105 Resp: 178024

Ion Ratio Lower Upper

105 100

120 27.7 21.9 32.9

77 14.2 10.9 16.3



#61

1,2,3-Trichloropropane

Concen: 31.681 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

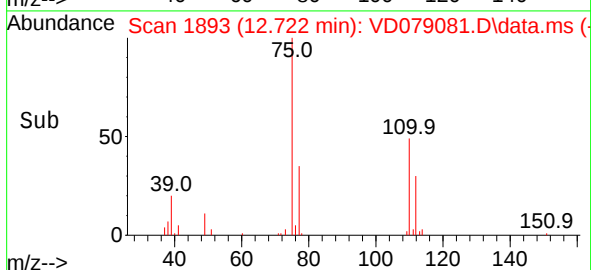
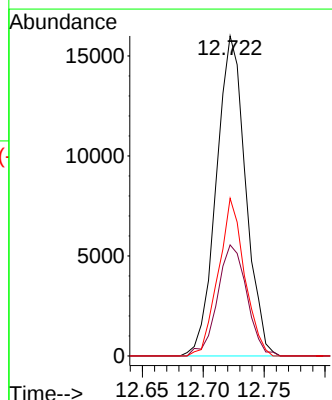
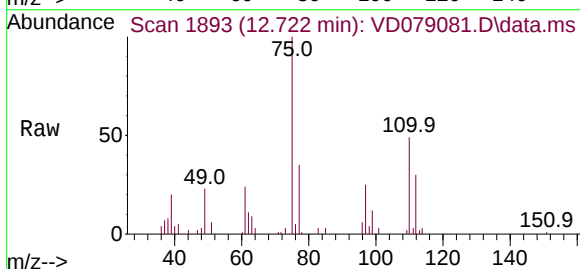
Tgt Ion: 75 Resp: 26817

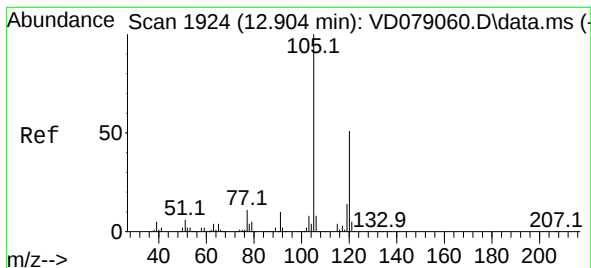
Ion Ratio Lower Upper

75 100

77 34.6 25.9 38.9

110 44.0 34.2 51.4

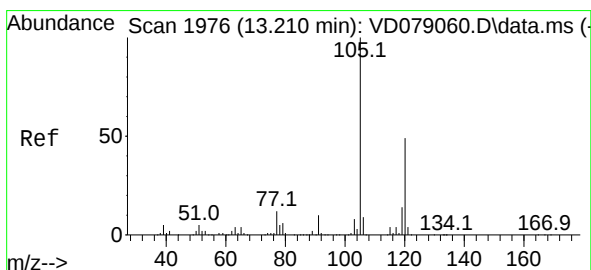
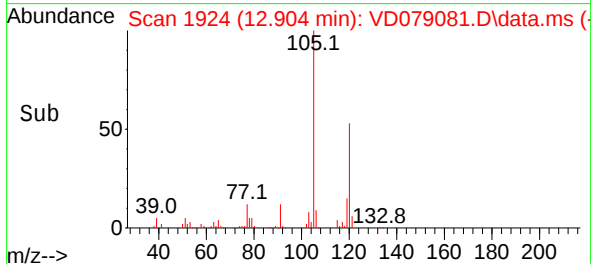
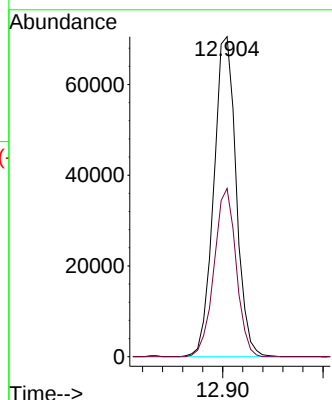
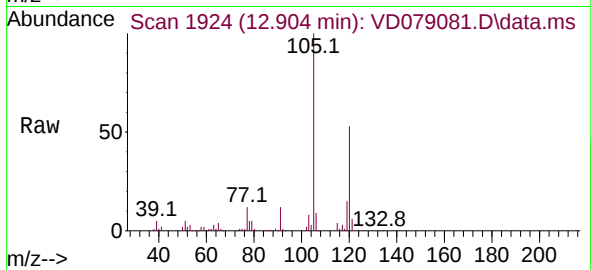




#62  
1,3,5-Trimethylbenzene  
Concen: 25.246 ug/L  
RT: 12.904 min Scan# 1924  
Delta R.T. -0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

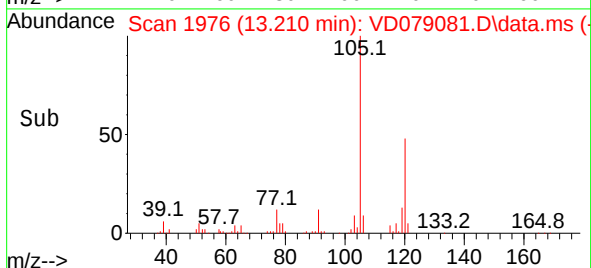
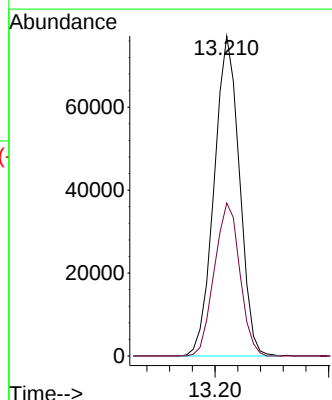
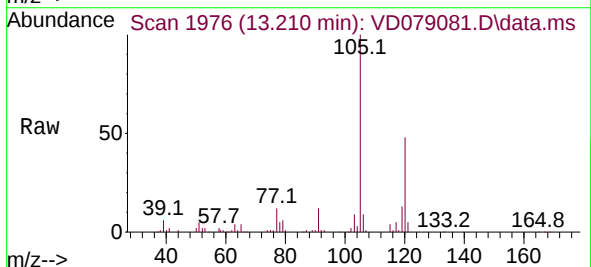
Instrument :  
MSVOA\_D  
ClientSampleId :

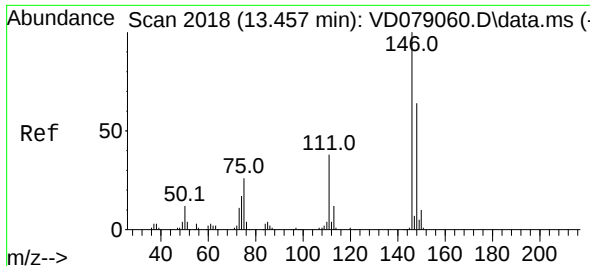
Tgt Ion:105 Resp: 109432  
Ion Ratio Lower Upper  
105 100  
120 51.8 40.7 61.1



#63  
1,2,4-Trimethylbenzene  
Concen: 25.731 ug/L  
RT: 13.210 min Scan# 1976  
Delta R.T. -0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Tgt Ion:105 Resp: 119294  
Ion Ratio Lower Upper  
105 100  
120 48.1 38.0 57.0

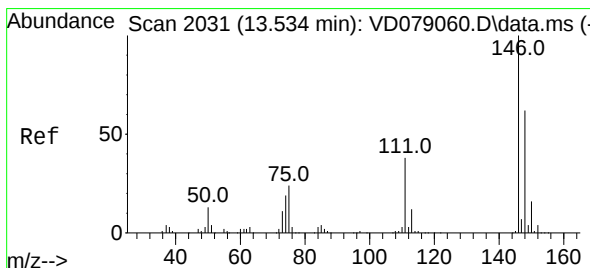
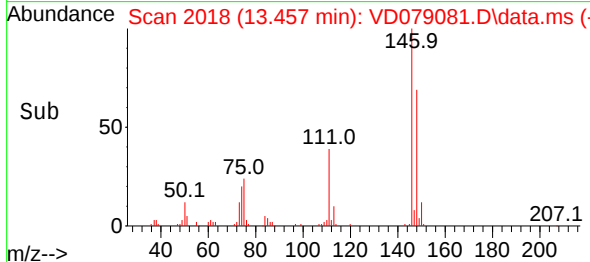
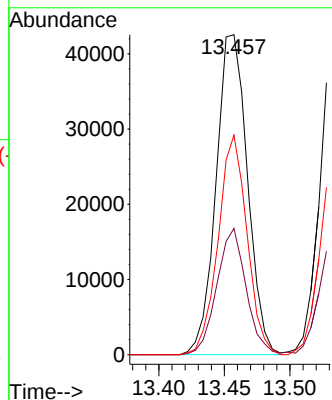
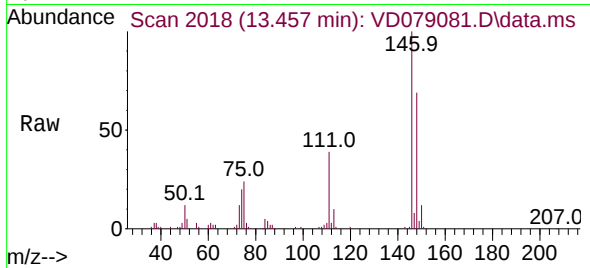




#64  
1,3-Dichlorobenzene  
Concen: 23.284 ug/L  
RT: 13.457 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

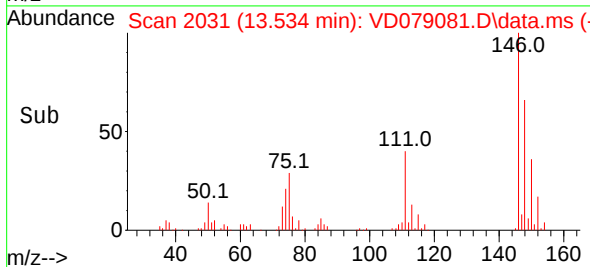
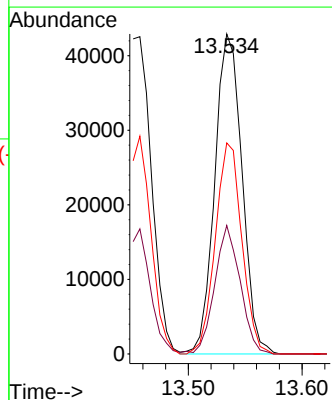
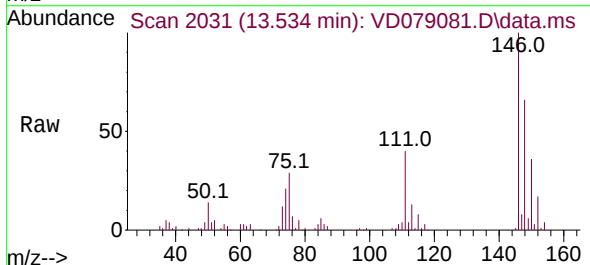
Instrument :  
MSVOA\_D  
ClientSampleId :

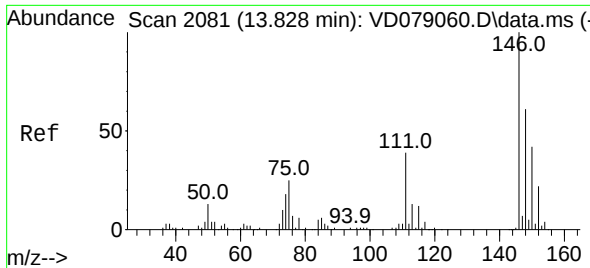
Tgt Ion:146 Resp: 70911  
Ion Ratio Lower Upper  
146 100  
111 39.5 24.4 45.4  
148 68.6 44.9 83.3



#65  
1,4-Dichlorobenzene  
Concen: 22.178 ug/L  
RT: 13.534 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Tgt Ion:146 Resp: 71569  
Ion Ratio Lower Upper  
146 100  
111 40.1 26.3 48.9  
148 65.9 43.1 80.1





#67

1,2-Dichlorobenzene

Concen: 22.947 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

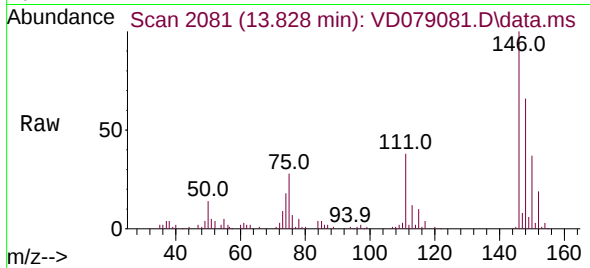
Lab File: VD079081.D

Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

ClientSampleId :



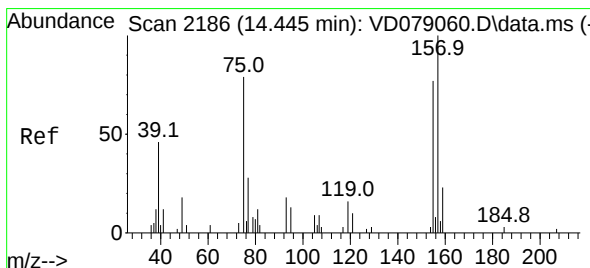
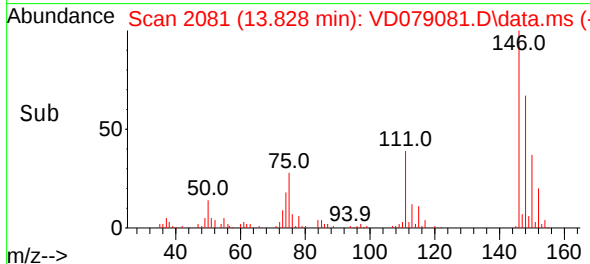
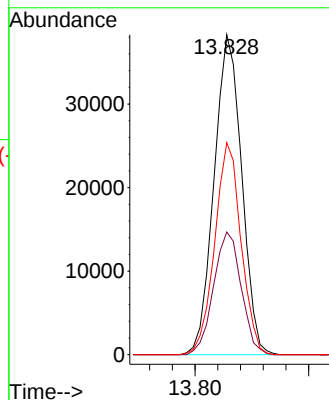
Tgt Ion:146 Resp: 64605

Ion Ratio Lower Upper

146 100

111 38.3 29.1 43.7

148 66.2 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 28.217 ug/L

RT: 14.440 min Scan# 2185

Delta R.T. -0.006 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

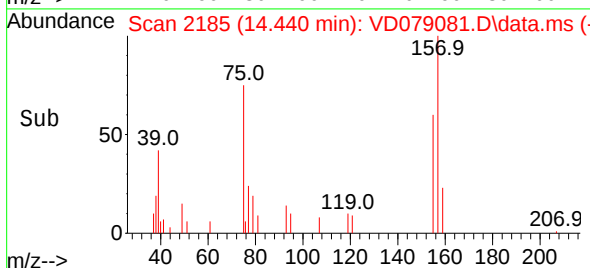
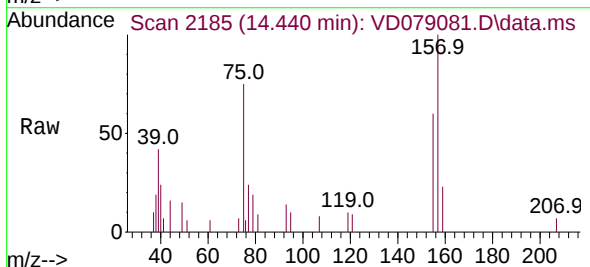
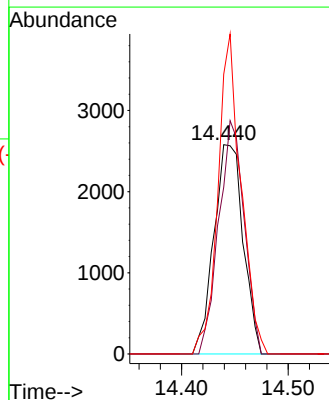
Tgt Ion: 75 Resp: 4910

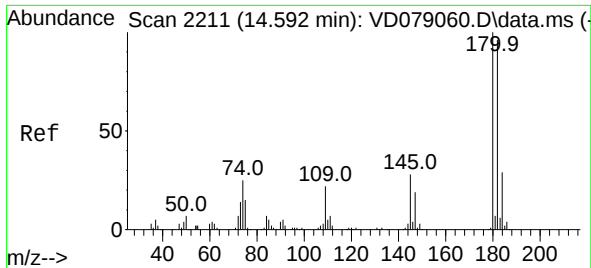
Ion Ratio Lower Upper

75 100

155 79.6 68.1 102.1

157 133.6 91.6 137.4





#69

1,3,5-Trichlorobenzene

Concen: 15.846 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

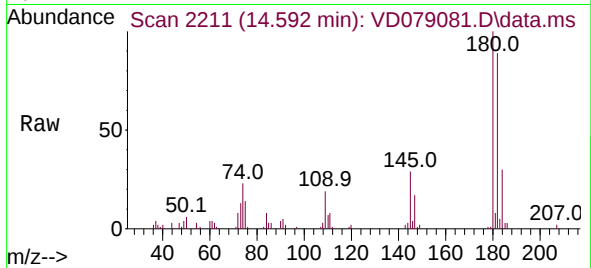
Lab File: VD079081.D

Acq: 29 May 2024 22:58

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion:180 Resp: 30437

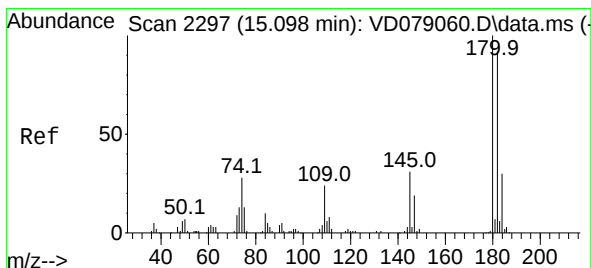
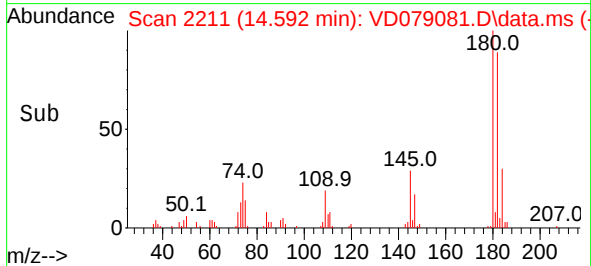
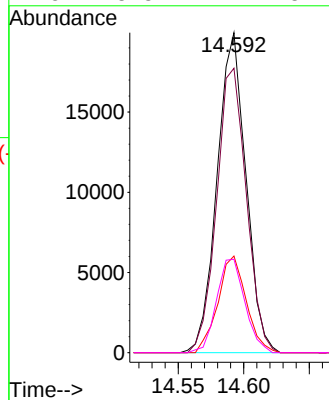
Ion Ratio Lower Upper

180 100

182 91.6 76.9 115.3

184 29.8 23.3 34.9

145 28.8 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 13.022 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VD079081.D

Acq: 29 May 2024 22:58

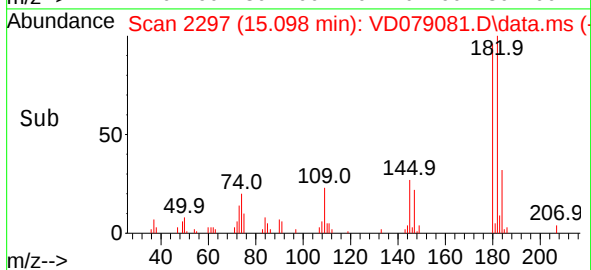
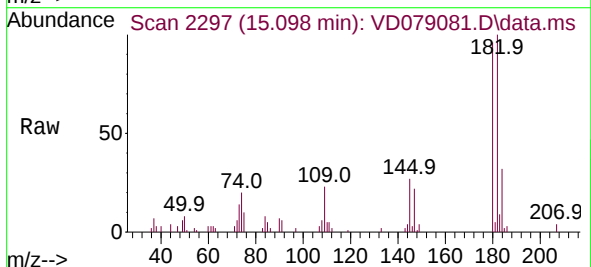
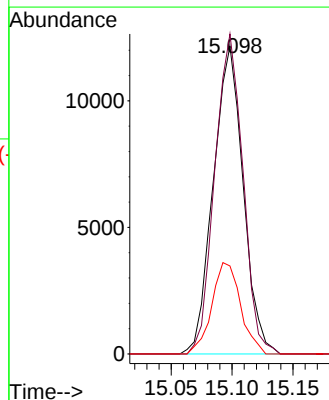
Tgt Ion:180 Resp: 20773

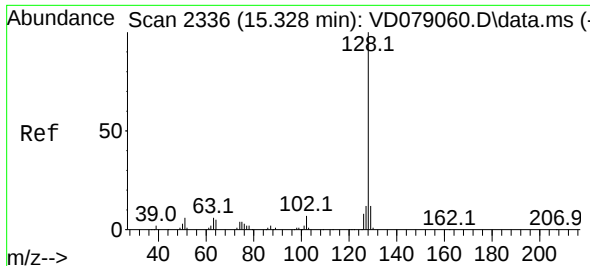
Ion Ratio Lower Upper

180 100

182 97.7 73.8 110.6

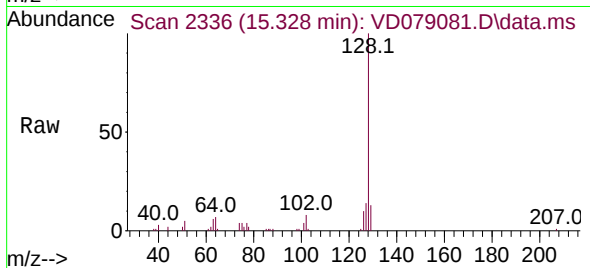
145 28.6 22.3 33.5



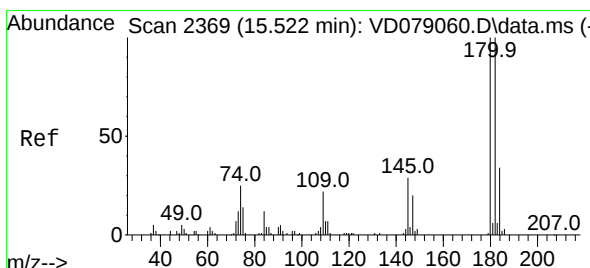
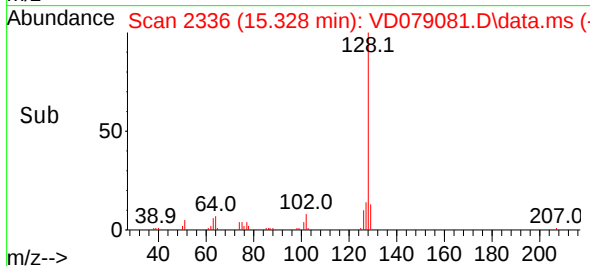
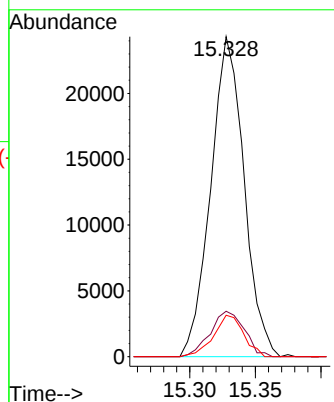


#71  
Naphthalene  
Concen: 14.390 ug/L  
RT: 15.328 min Scan# 2336  
Delta R.T. -0.000 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

Instrument :  
MSVOA\_D  
ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 42932 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.6  | 10.8  | 16.2  |
| 129       | 11.7  | 8.5   | 12.7  |



#72  
1,2,3-Trichlorobenzene  
Concen: 13.638 ug/L  
RT: 15.516 min Scan# 2368  
Delta R.T. -0.006 min  
Lab File: VD079081.D  
Acq: 29 May 2024 22:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 18803 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.6  | 79.4  | 119.2 |
| 145       | 29.2  | 24.7  | 37.1  |

