

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121823\  
 Data File : VD077943.D  
 Acq On : 18 Dec 2023 12:08  
 Operator : RP/MD  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 18 23:13:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM112923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Dec 06 00:24:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 243771   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 226907   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 122353   | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.281  | 65    | 202658   | 30.485   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 121.960% |          |
| 7) Chloroethane-d5            | 2.811  | 69    | 167365   | 31.586   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 126.360% |          |
| 11) 1,1-Dichloroethene-d2     | 3.916  | 65    | 21223    | 12.313   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | = 49.240%  |          |
| 21) 2-Butanone-d5             | 6.987  | 46    | 35053    | 41.721   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 83.440%  |          |
| 24) Chloroform-d              | 7.569  | 84    | 176772   | 26.906   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | = 107.640% |          |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 85254    | 25.611   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | = 102.440% |          |
| 32) Benzene-d6                | 8.204  | 84    | 372844   | 27.283   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | = 109.120% |          |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 107563   | 25.797   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | = 103.200% |          |
| 41) Toluene-d8                | 10.269 | 98    | 352414   | 28.017   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | = 112.080% |          |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 46441    | 25.187   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | = 100.760% |          |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 34227    | 47.636   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 95.280%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.657 | 84    | 83056    | 27.565   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | = 110.240% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 114790   | 26.225   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | = 104.920% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.940  | 85    | 87867    | 22.579   | ug/L       | 95       |
| 3) Chloromethane              | 2.152  | 50    | 117827   | 21.075   | ug/L       | 100      |
| 5) Vinyl chloride             | 2.293  | 62    | 174598   | 25.072   | ug/L       | 96       |
| 6) Bromomethane               | 2.699  | 94    | 87009    | 23.585   | ug/L       | 99       |
| 8) Chloroethane               | 2.846  | 64    | 119641   | 27.523   | ug/L       | 99       |
| 9) Trichlorofluoromethane     | 3.187  | 101   | 147071   | 24.762   | ug/L       | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969  | 101   | 96094    | 27.425   | ug/L       | 98       |
| 12) 1,1-Dichloroethene        | 3.952  | 96    | 84773    | 25.565   | ug/L       | 91       |
| 13) Acetone                   | 4.028  | 43    | 44496    | 41.335   | ug/L       | 98       |
| 14) Carbon disulfide          | 4.275  | 76    | 259397   | 22.074   | ug/L       | 98       |
| 15) Methyl Acetate            | 4.569  | 43    | 30344    | 19.691   | ug/L #     | 87       |
| 16) Methylene chloride        | 4.810  | 84    | 95503    | 22.064   | ug/L       | 89       |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96    | 88478    | 25.591   | ug/L       | 93       |
| 18) Methyl tert-butyl Ether   | 5.322  | 73    | 182127   | 23.897   | ug/L       | 98       |
| 19) 1,1-Dichloroethane        | 6.116  | 63    | 160021   | 24.558   | ug/L       | 98       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 99508    | 25.901   | ug/L       | 91       |
| 22) 2-Butanone                | 7.087  | 43    | 47814    | 39.464   | ug/L #     | 58       |
| 23) Bromochloromethane        | 7.428  | 128   | 42974    | 26.867   | ug/L       | 85       |
| 25) Chloroform                | 7.599  | 83    | 171302   | 26.703   | ug/L       | 98       |

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 Sample : VSTDCCC025  
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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 18 23:13:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM112923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Dec 06 00:24:24 2023  
 Response via : Initial Calibration

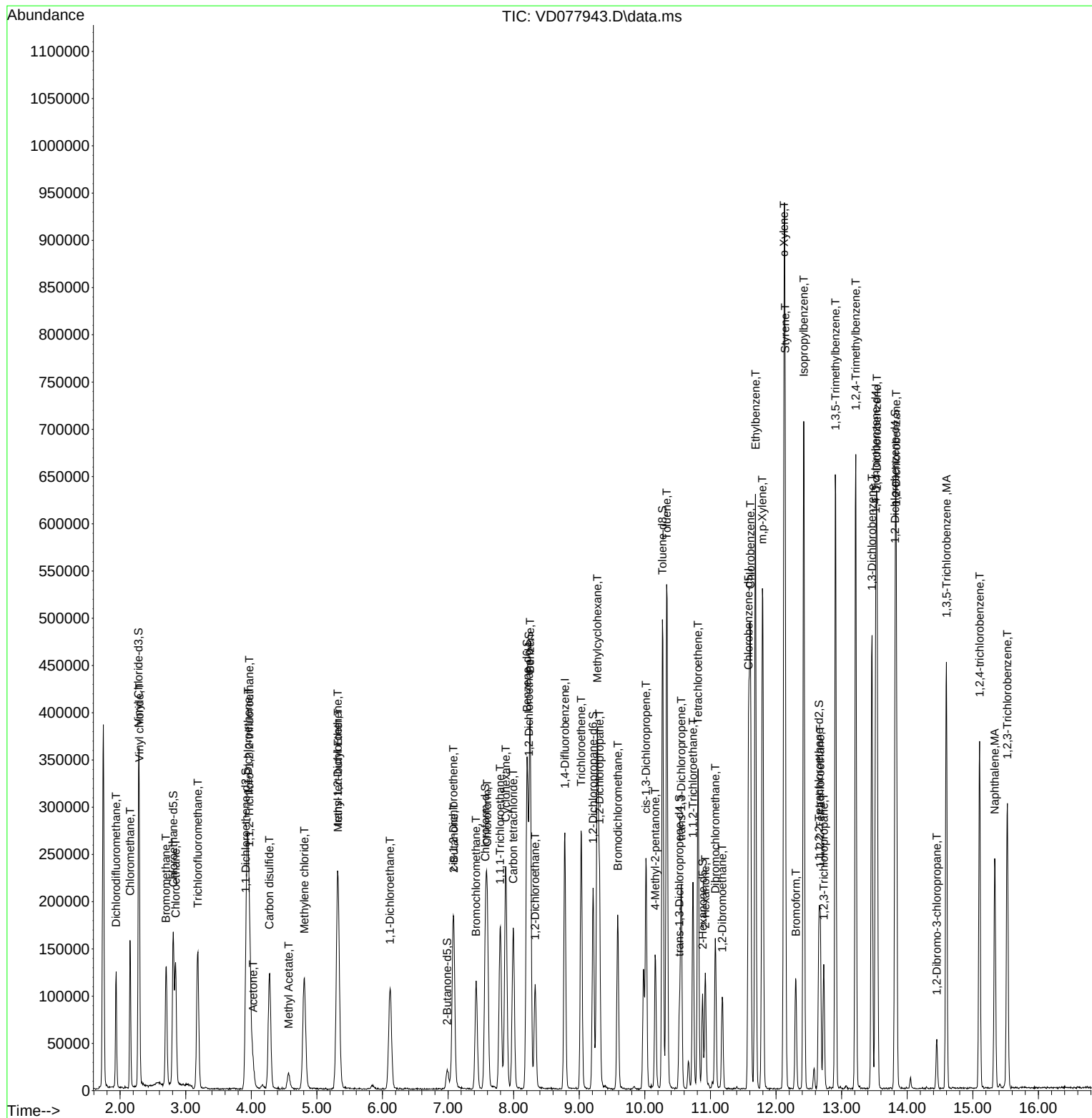
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 97365    | 24.265 | ug/L   | 96       |
| 29) Cyclohexane               | 7.881  | 56   | 133621   | 22.316 | ug/L   | 89       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 146327   | 26.354 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 131813   | 26.996 | ug/L   | 100      |
| 33) Benzene                   | 8.251  | 78   | 366052   | 24.785 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 97711    | 26.652 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.275  | 83   | 161498   | 24.814 | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 9.310  | 63   | 94398    | 24.515 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.587  | 83   | 122606   | 26.183 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 149559   | 24.871 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 90582    | 42.629 | ug/L # | 93       |
| 42) Toluene                   | 10.334 | 91   | 413614   | 26.367 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 124012   | 24.691 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 70128    | 27.117 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.810 | 164  | 78121    | 26.426 | ug/L   | 96       |
| 48) 2-Hexanone                | 10.922 | 43   | 68952    | 38.177 | ug/L # | 85       |
| 49) Dibromochloromethane      | 11.075 | 129  | 83981    | 27.311 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 66378    | 26.615 | ug/L # | 95       |
| 51) Chlorobenzene             | 11.610 | 112  | 267101   | 27.460 | ug/L   | 93       |
| 52) Ethylbenzene              | 11.687 | 91   | 458550   | 26.369 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.792 | 106  | 180512   | 27.472 | ug/L   | 100      |
| 54) o-Xylene                  | 12.122 | 106  | 171502   | 27.273 | ug/L   | 92       |
| 55) Styrene                   | 12.140 | 104  | 304391   | 27.663 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 84433    | 27.554 | ug/L   | 96       |
| 59) Bromoform                 | 12.304 | 173  | 54383    | 26.863 | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.422 | 105  | 475123   | 26.017 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 53887    | 23.944 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 353380   | 25.764 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 358362   | 25.768 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 210666   | 26.674 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 215466   | 26.291 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 187891   | 26.438 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 12437    | 23.436 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 144719   | 26.910 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 118977   | 26.060 | ug/L   | 97       |
| 71) Naphthalene               | 15.333 | 128  | 214019   | 25.641 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 105762   | 26.425 | ug/L   | 98       |

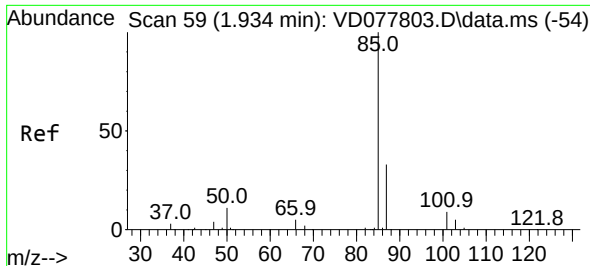
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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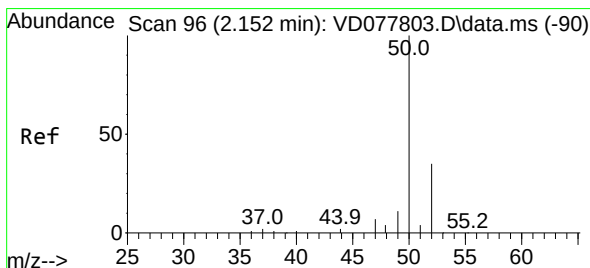
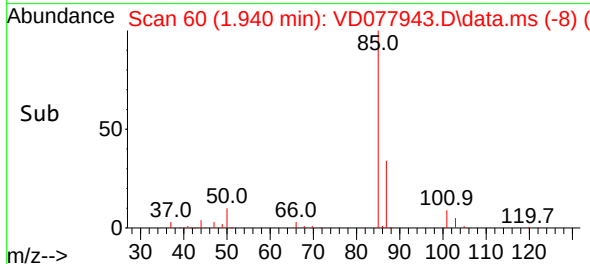
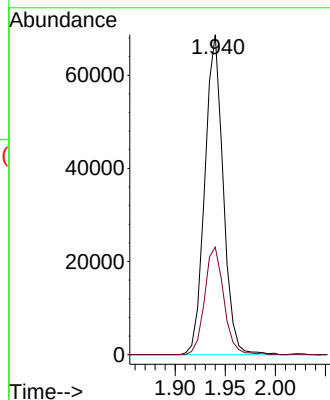
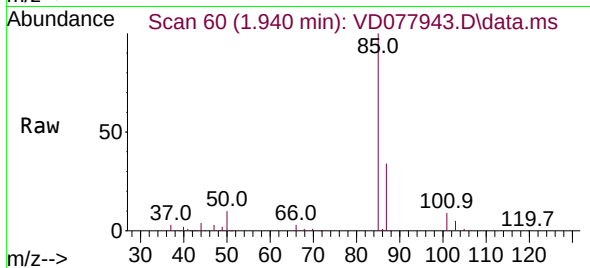




#2  
 Dichlorodifluoromethane  
 Concen: 22.579 ug/L  
 RT: 1.940 min Scan# 60  
 Delta R.T. 0.006 min  
 Lab File: VD077943.D  
 Acq: 18 Dec 2023 12:08

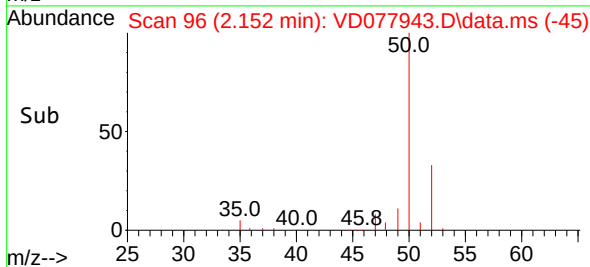
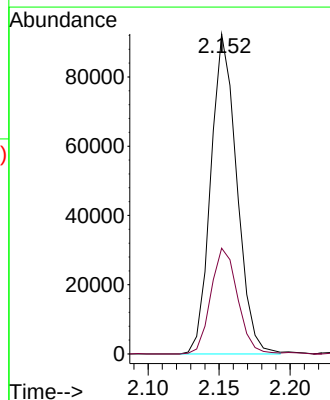
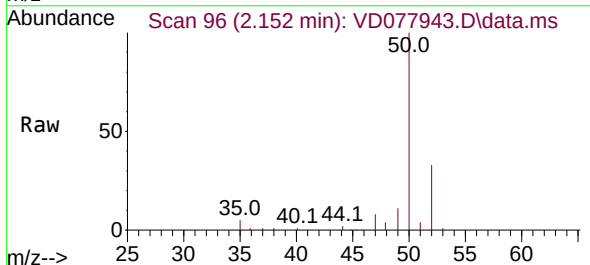
Instrument :  
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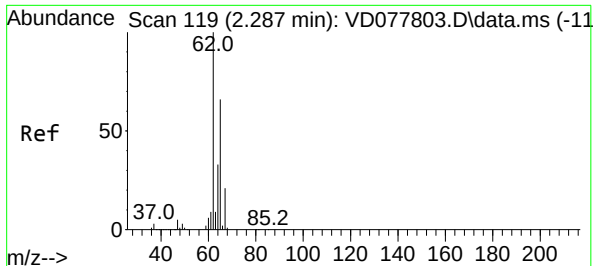
Tgt Ion: 85 Resp: 87867  
 Ion Ratio Lower Upper  
 85 100  
 87 34.9 25.6 38.4



#3  
 Chloromethane  
 Concen: 21.075 ug/L  
 RT: 2.152 min Scan# 96  
 Delta R.T. -0.000 min  
 Lab File: VD077943.D  
 Acq: 18 Dec 2023 12:08

Tgt Ion: 50 Resp: 117827  
 Ion Ratio Lower Upper  
 50 100  
 52 33.1 23.2 43.2

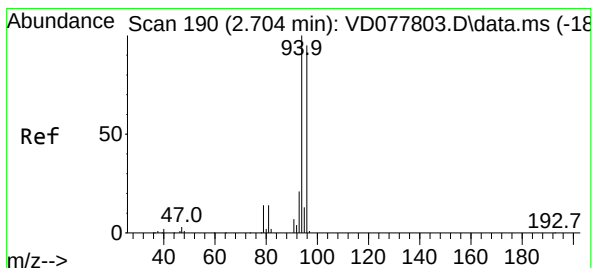
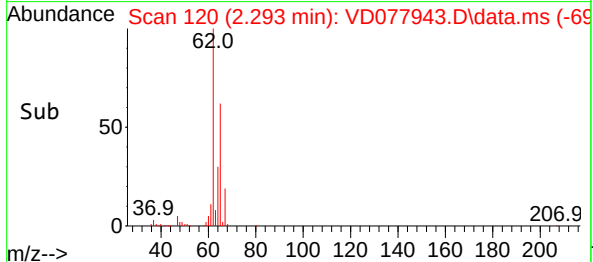
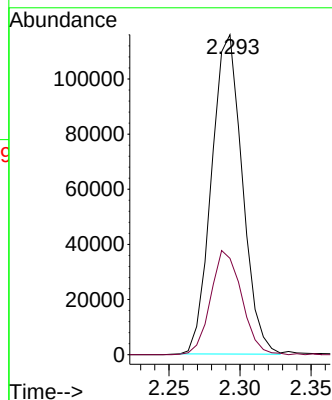
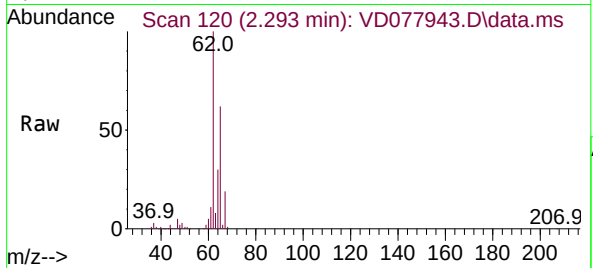




#5  
 Vinyl chloride  
 Concen: 25.072 ug/L  
 RT: 2.293 min Scan# 119  
 Delta R.T. -0.000 min  
 Lab File: VD077943.D  
 Acq: 18 Dec 2023 12:08

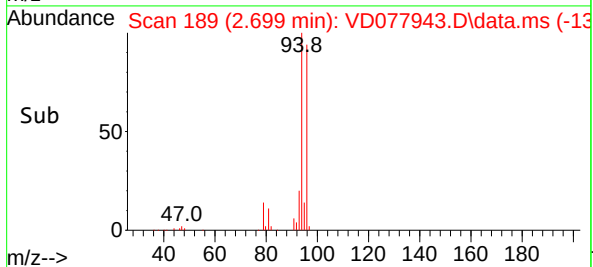
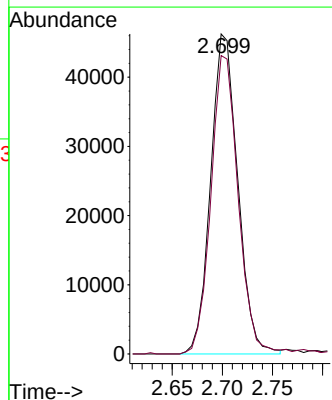
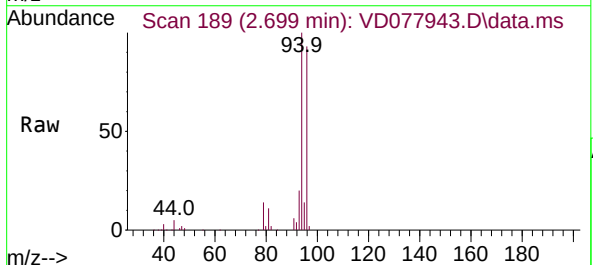
Instrument :  
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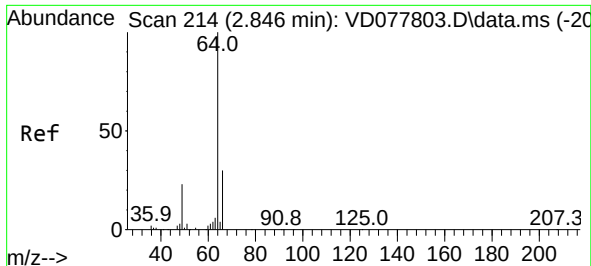
Tgt Ion: 62 Resp: 174598  
 Ion Ratio Lower Upper  
 62 100  
 64 30.1 22.6 42.0



#6  
 Bromomethane  
 Concen: 23.585 ug/L  
 RT: 2.699 min Scan# 189  
 Delta R.T. -0.006 min  
 Lab File: VD077943.D  
 Acq: 18 Dec 2023 12:08

Tgt Ion: 94 Resp: 87009  
 Ion Ratio Lower Upper  
 94 100  
 96 93.3 66.0 122.6

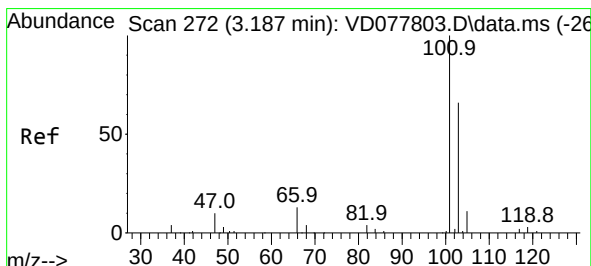
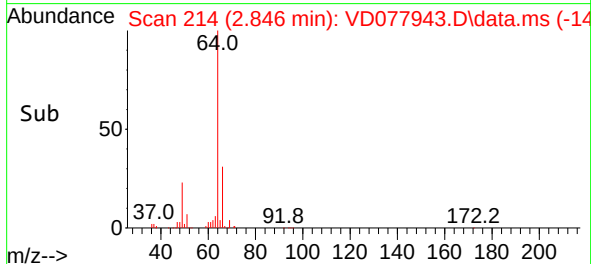
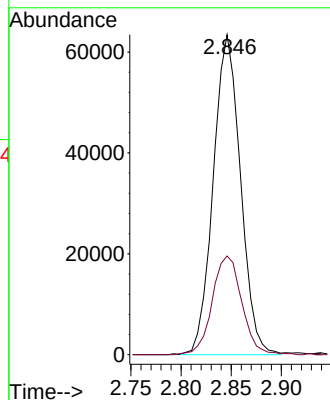
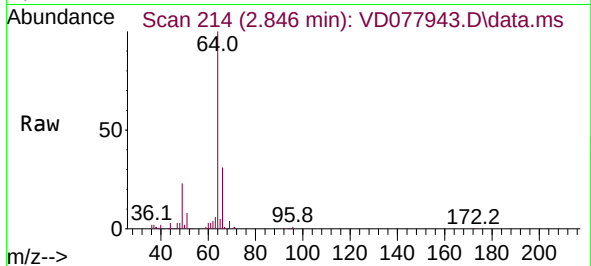




#8  
Chloroethane  
Concen: 27.523 ug/L  
RT: 2.846 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

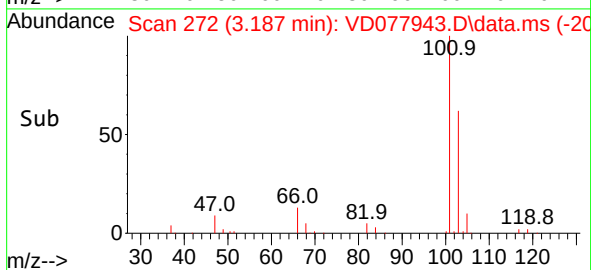
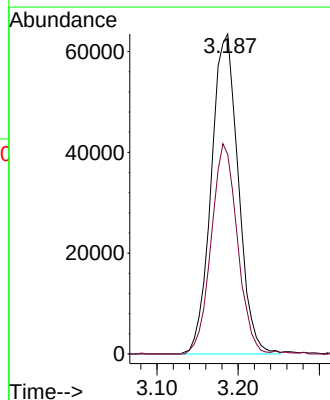
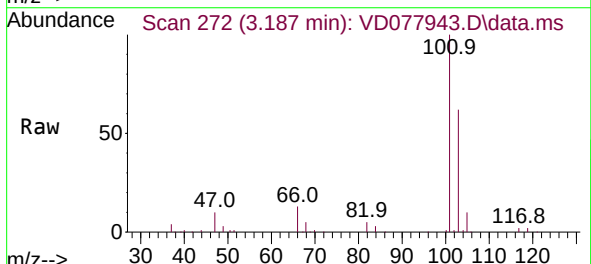
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MSVOA\_D  
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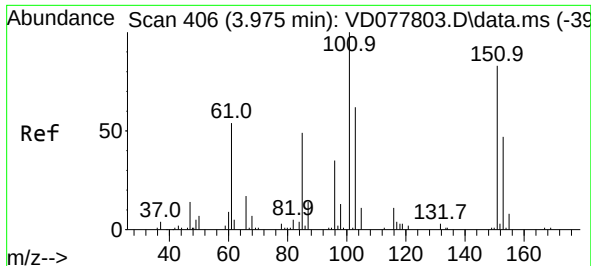
Tgt Ion: 64 Resp: 119641  
Ion Ratio Lower Upper  
64 100  
66 30.9 22.0 41.0



#9  
Trichlorofluoromethane  
Concen: 24.762 ug/L  
RT: 3.187 min Scan# 272  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion:101 Resp: 147071  
Ion Ratio Lower Upper  
101 100  
103 63.5 52.5 78.7

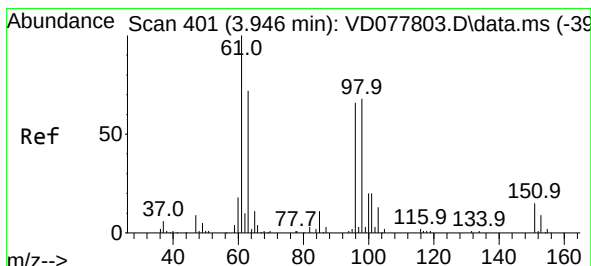
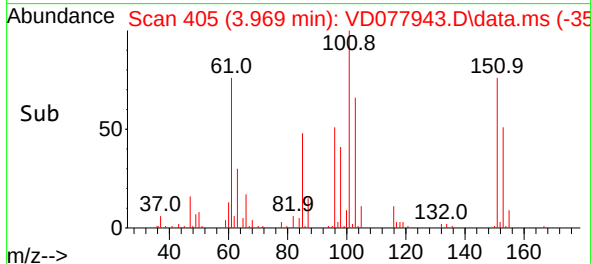
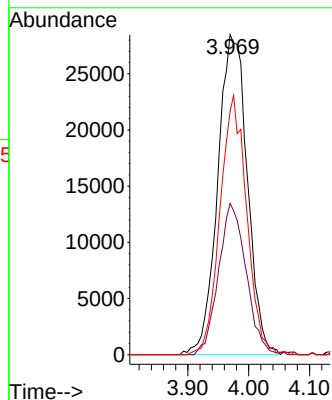
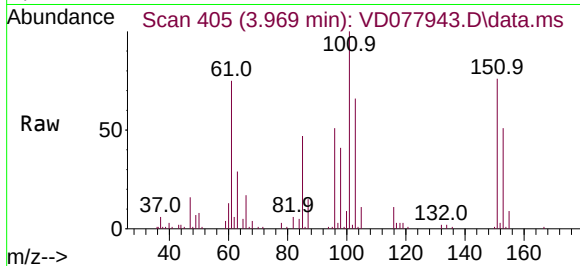




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 27.425 ug/L  
 RT: 3.969 min Scan# 406  
 Delta R.T. -0.006 min  
 Lab File: VD077943.D  
 Acq: 18 Dec 2023 12:08

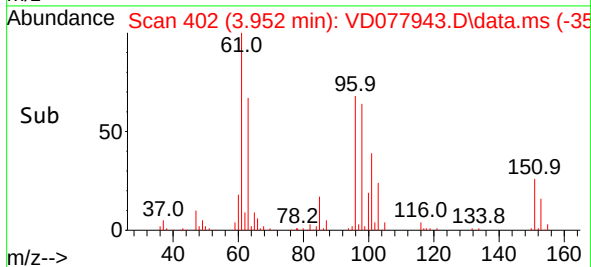
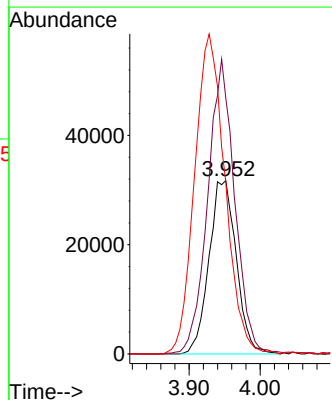
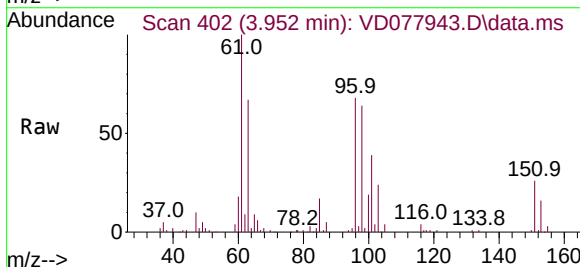
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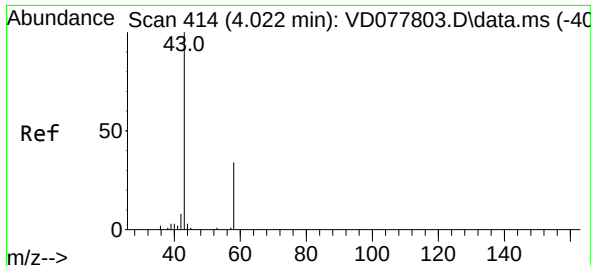
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 Ion Ratio Lower Upper  
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 151 72.7 57.0 85.6



#12  
 1,1-Dichloroethene  
 Concen: 25.565 ug/L  
 RT: 3.952 min Scan# 402  
 Delta R.T. -0.000 min  
 Lab File: VD077943.D  
 Acq: 18 Dec 2023 12:08

Tgt Ion: 96 Resp: 84773  
 Ion Ratio Lower Upper  
 96 100  
 61 147.4 108.6 201.6  
 63 99.2 60.3 111.9





#13

Acetone

Concen: 41.335 ug/L

RT: 4.028 min Scan# 41

Delta R.T. -0.000 min

Lab File: VD077943.D

Acq: 18 Dec 2023 12:08

Instrument :

MSVOA\_D

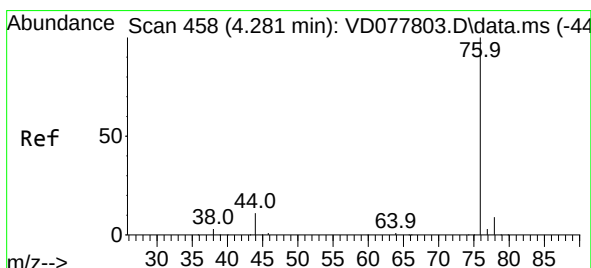
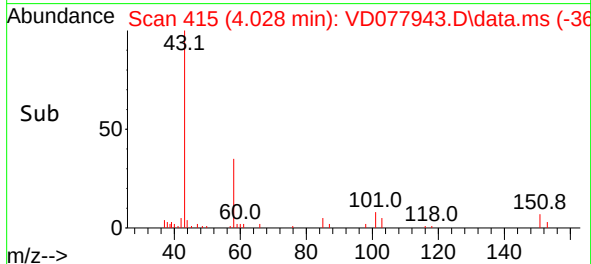
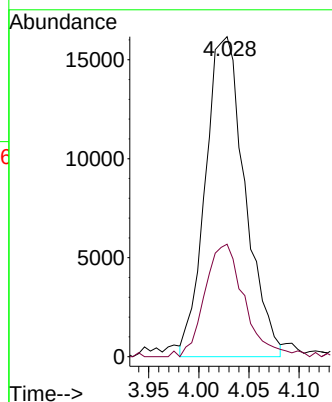
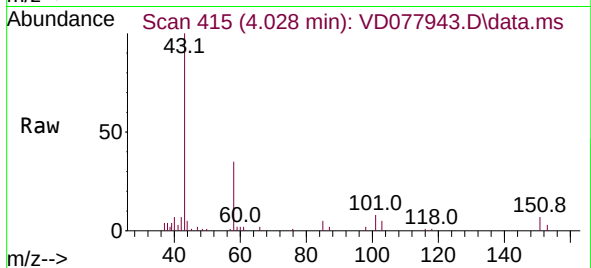
ClientSampleId :

Tgt Ion: 43 Resp: 44496

Ion Ratio Lower Upper

43 100

58 34.6 0.0 67.2



#14

Carbon disulfide

Concen: 22.074 ug/L

RT: 4.275 min Scan# 457

Delta R.T. -0.006 min

Lab File: VD077943.D

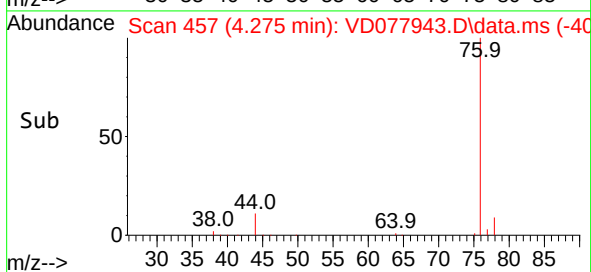
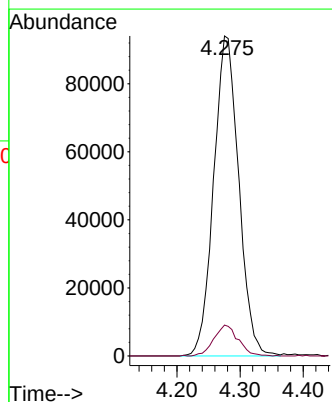
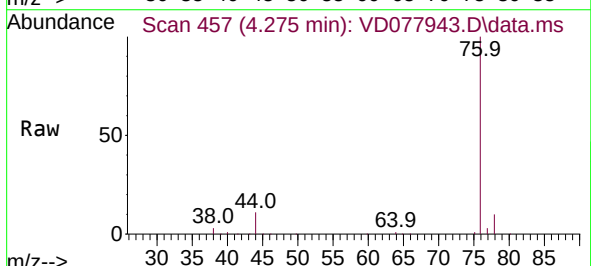
Acq: 18 Dec 2023 12:08

Tgt Ion: 76 Resp: 259397

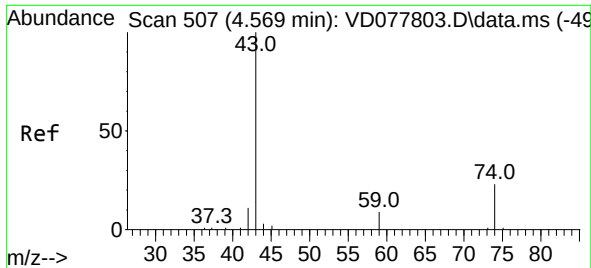
Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



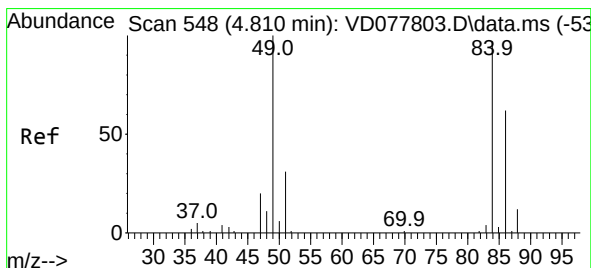
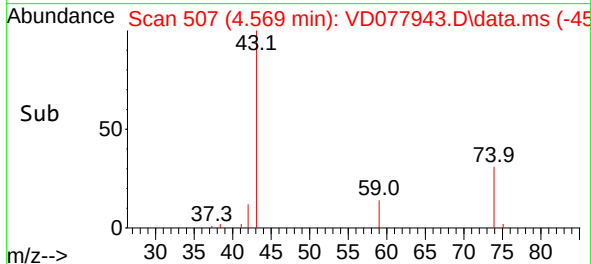
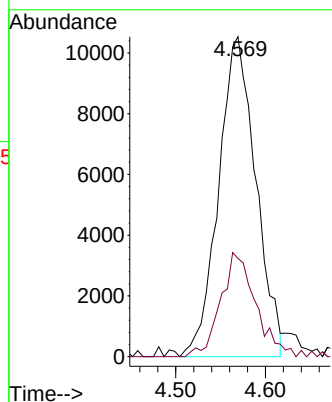
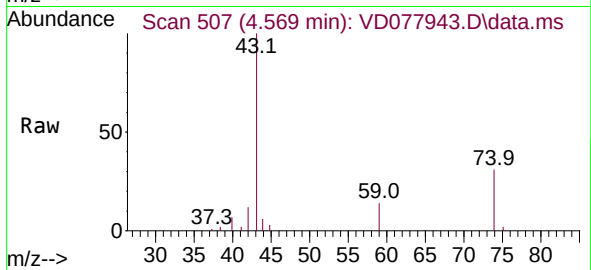




#15  
Methyl Acetate  
Concen: 19.691 ug/L  
RT: 4.569 min Scan# 507  
Delta R.T. 0.006 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

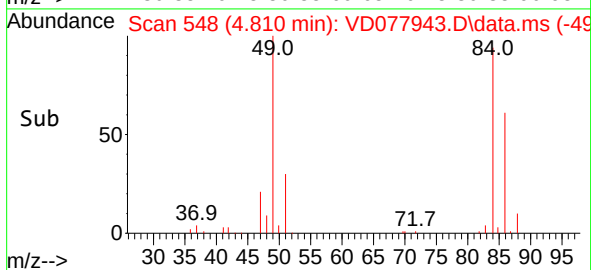
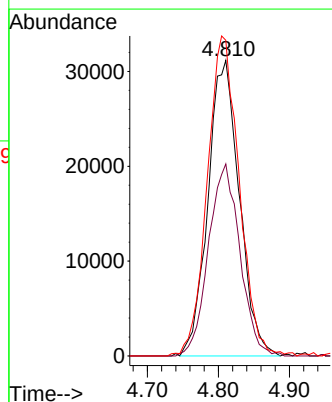
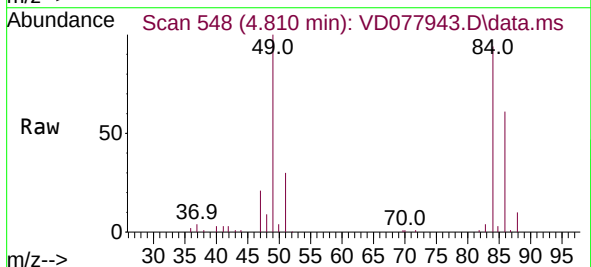
Instrument :  
MSVOA\_D  
ClientSampleId :

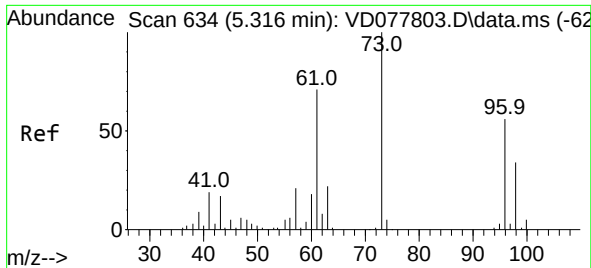
Tgt Ion: 43 Resp: 30344  
Ion Ratio Lower Upper  
43 100  
74 29.7 18.6 27.8#



#16  
Methylene chloride  
Concen: 22.064 ug/L  
RT: 4.810 min Scan# 548  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion: 84 Resp: 95503  
Ion Ratio Lower Upper  
84 100  
86 65.0 40.1 74.5  
49 106.9 83.2 154.6

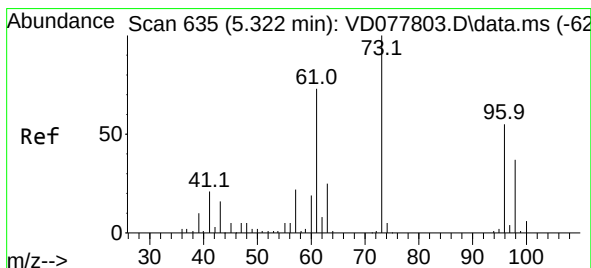
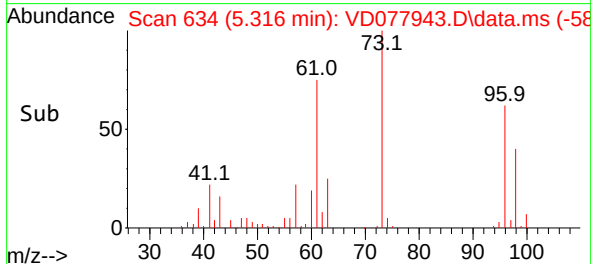
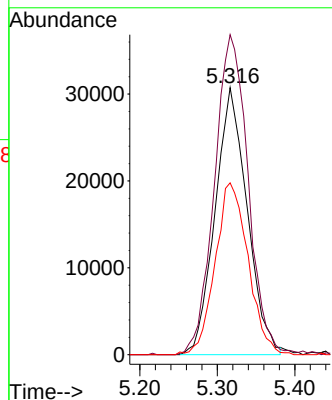
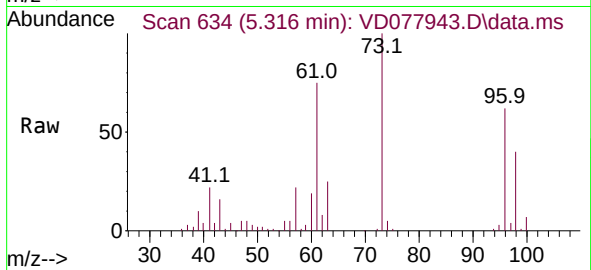




#17  
trans-1,2-Dichloroethene  
Concen: 25.591 ug/L  
RT: 5.316 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

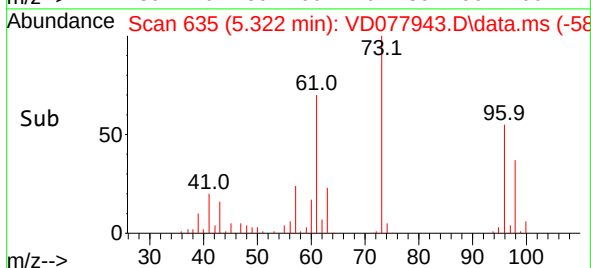
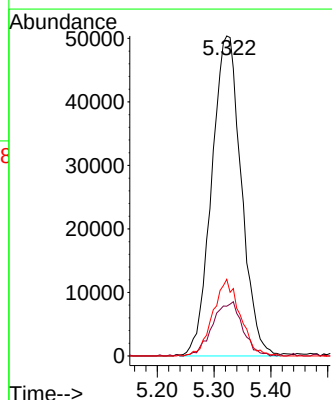
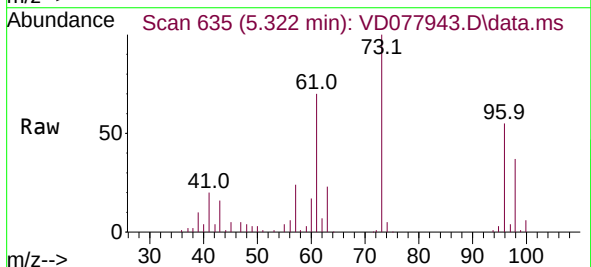
Instrument :  
MSVOA\_D  
ClientSampleId :

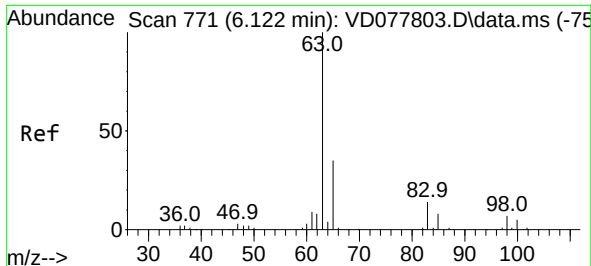
Tgt Ion: 96 Resp: 88478  
Ion Ratio Lower Upper  
96 100  
61 119.8 92.3 171.3  
98 64.4 44.7 82.9



#18  
Methyl tert-butyl Ether  
Concen: 23.897 ug/L  
RT: 5.322 min Scan# 635  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion: 73 Resp: 182127  
Ion Ratio Lower Upper  
73 100  
43 17.0 15.0 22.4  
57 22.0 18.1 27.1





#19

1,1-Dichloroethane

Concen: 24.558 ug/L

RT: 6.116 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD077943.D

Acq: 18 Dec 2023 12:08

Instrument :

MSVOA\_D

ClientSampleId :

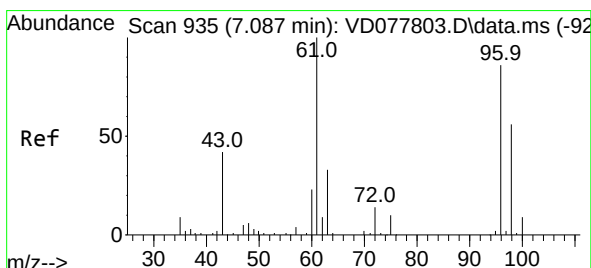
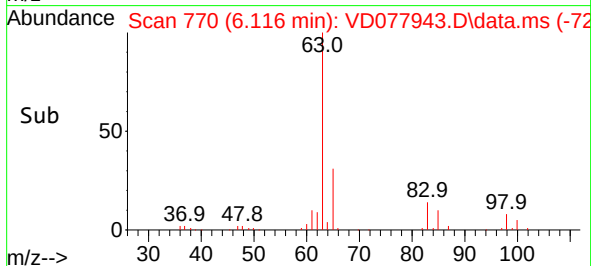
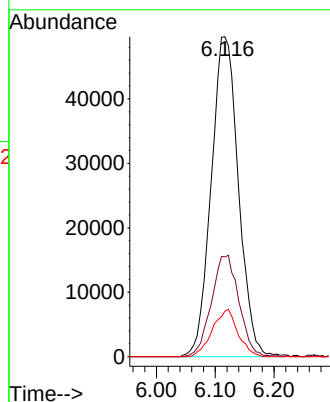
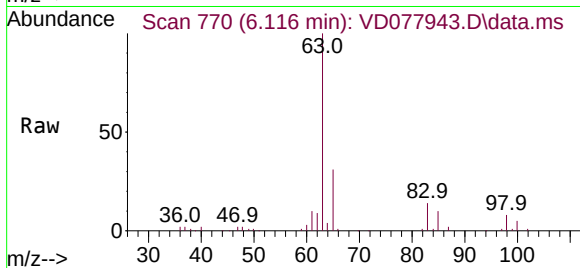
Tgt Ion: 63 Resp: 160021

Ion Ratio Lower Upper

63 100

65 31.1 20.9 38.9

83 14.2 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 25.901 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.006 min

Lab File: VD077943.D

Acq: 18 Dec 2023 12:08

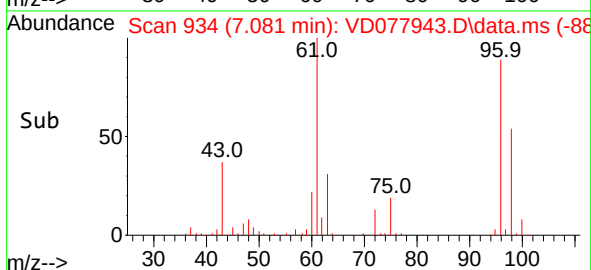
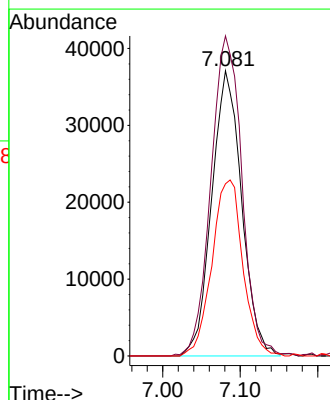
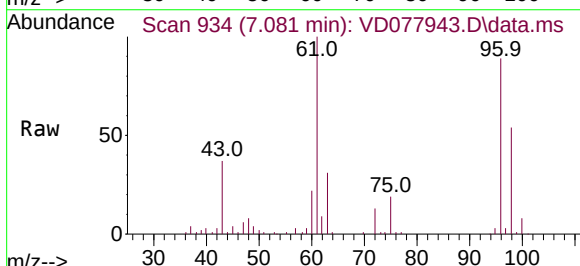
Tgt Ion: 96 Resp: 99508

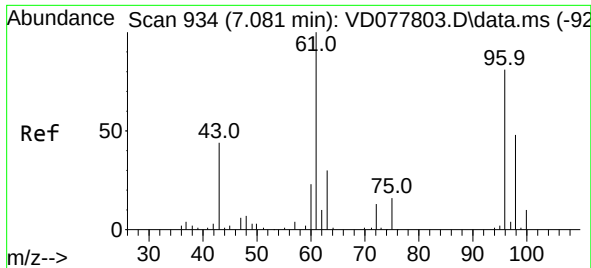
Ion Ratio Lower Upper

96 100

61 112.2 88.1 163.5

98 60.4 44.1 81.9

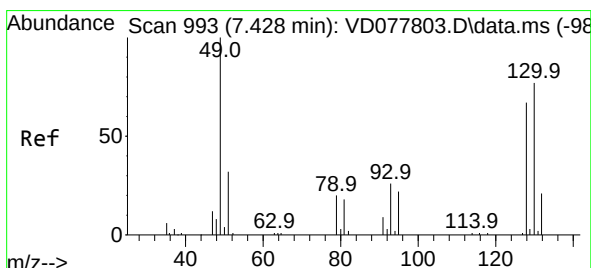
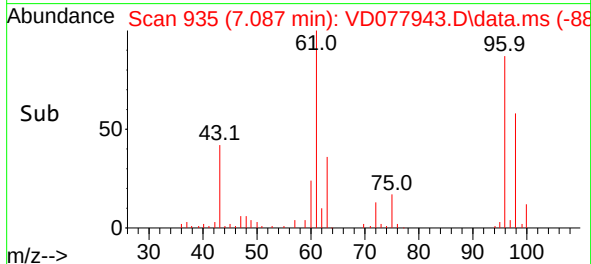
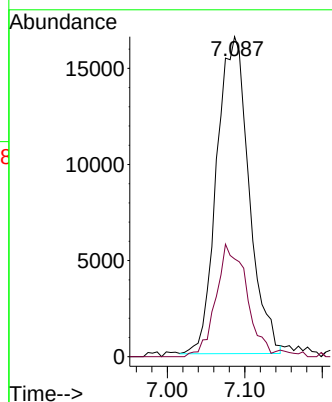
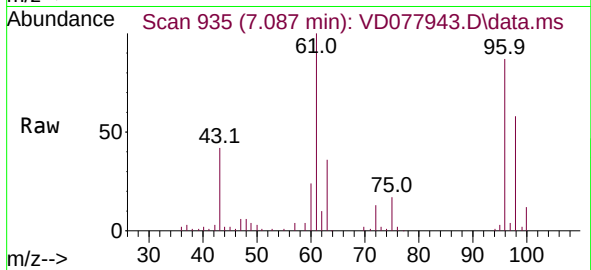




#22  
2-Butanone  
Concen: 39.464 ug/L  
RT: 7.087 min Scan# 913  
Delta R.T. 0.006 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

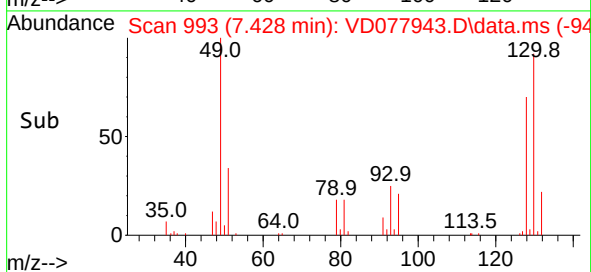
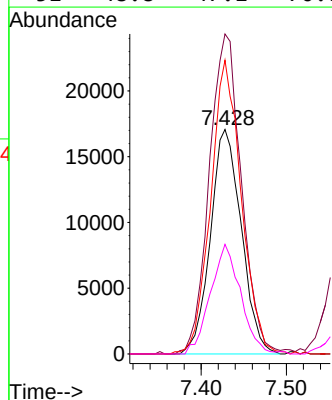
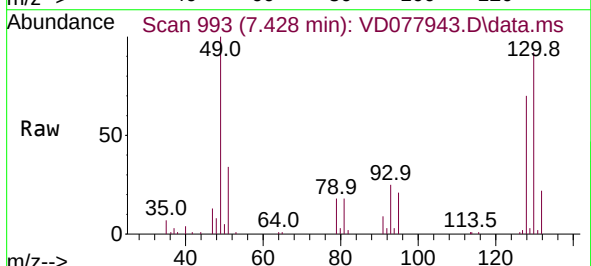
Instrument :  
MSVOA\_D  
ClientSampleId :

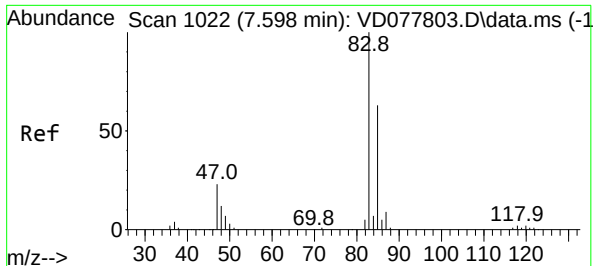
Tgt Ion: 43 Resp: 47814  
Ion Ratio Lower Upper  
43 100  
72 31.8 7.2 21.6#



#23  
Bromochloromethane  
Concen: 26.867 ug/L  
RT: 7.428 min Scan# 993  
Delta R.T. -0.006 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion:128 Resp: 42974  
Ion Ratio Lower Upper  
128 100  
49 142.5 124.7 231.5  
130 130.9 92.3 171.3  
51 48.8 47.1 70.7

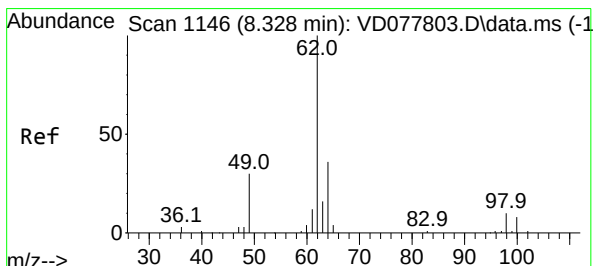
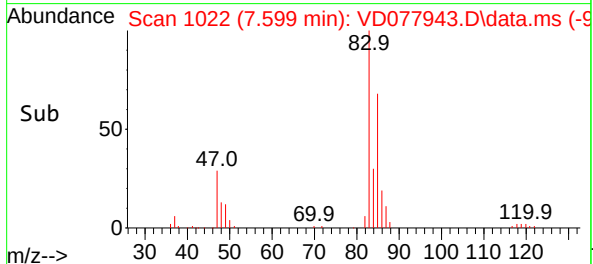
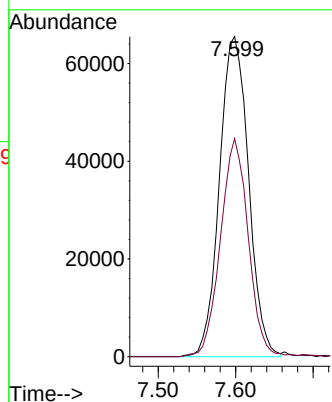
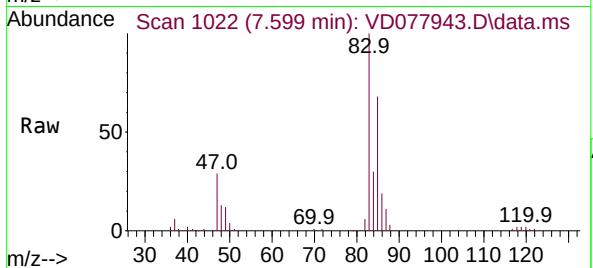




#25  
Chloroform  
Concen: 26.703 ug/L  
RT: 7.599 min Scan# 1022  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

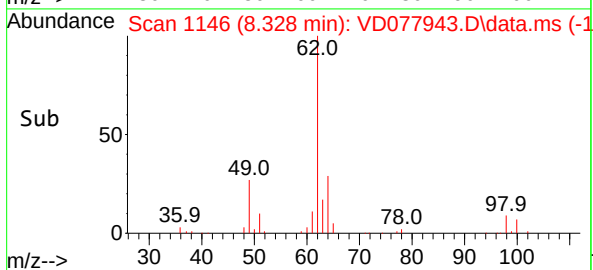
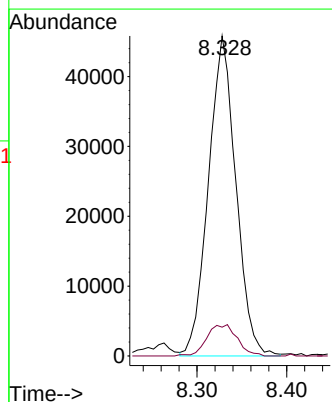
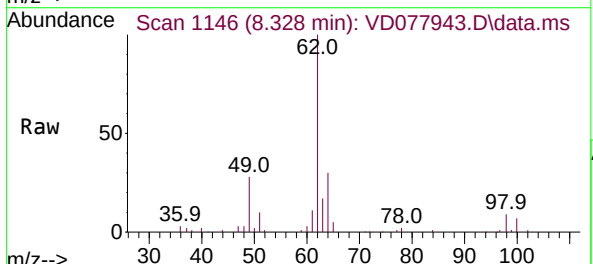
Instrument :  
MSVOA\_D  
ClientSampleId :

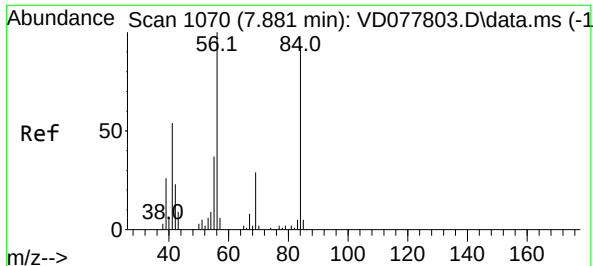
Tgt Ion: 83 Resp: 171302  
Ion Ratio Lower Upper  
83 100  
85 68.2 48.9 90.9



#27  
1,2-Dichloroethane  
Concen: 24.265 ug/L  
RT: 8.328 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion: 62 Resp: 97365  
Ion Ratio Lower Upper  
62 100  
98 9.0 8.4 12.6





#29

Cyclohexane

Concen: 22.316 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.006 min

Lab File: VD077943.D

Acq: 18 Dec 2023 12:08

Instrument :

MSVOA\_D

ClientSampleId :

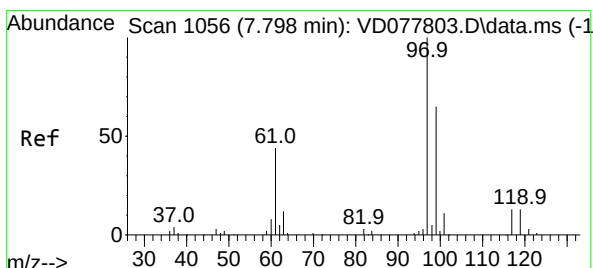
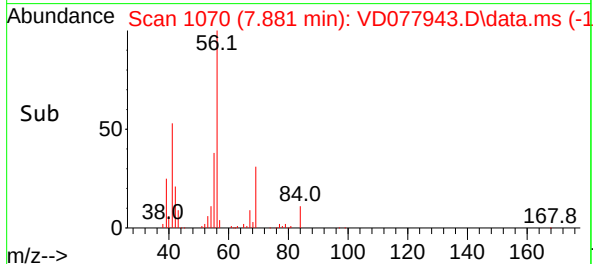
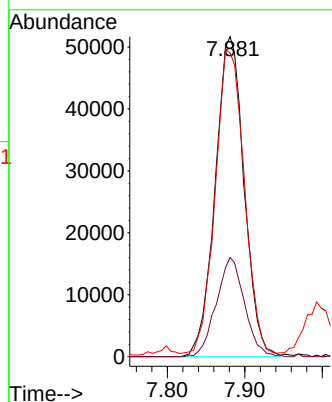
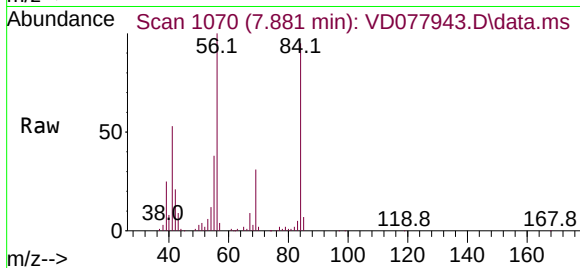
Tgt Ion: 56 Resp: 133621

Ion Ratio Lower Upper

56 100

69 30.3 22.2 33.4

84 97.9 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 26.354 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD077943.D

Acq: 18 Dec 2023 12:08

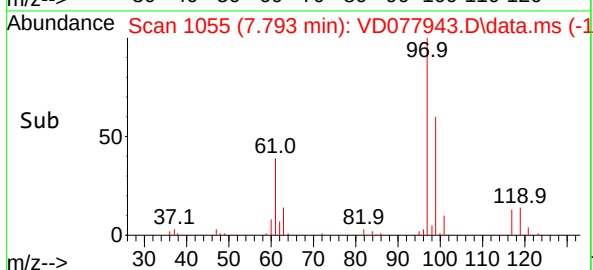
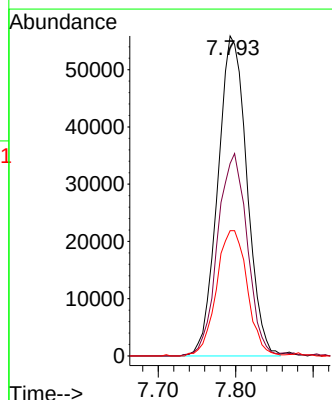
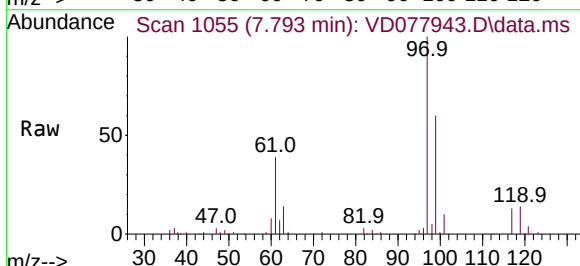
Tgt Ion: 97 Resp: 146327

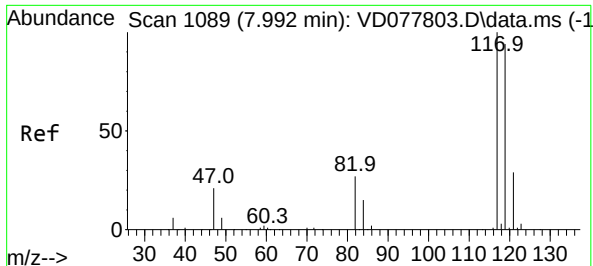
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

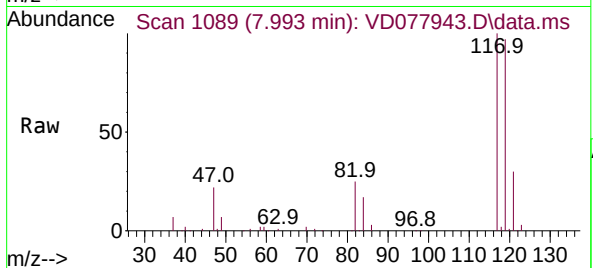
61 41.4 35.4 53.2



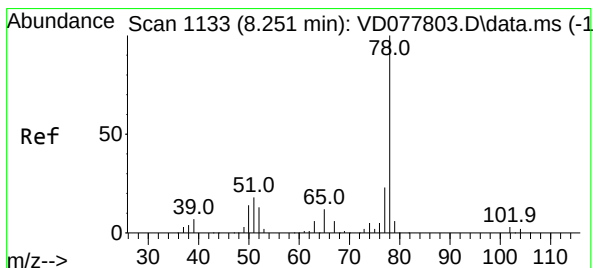
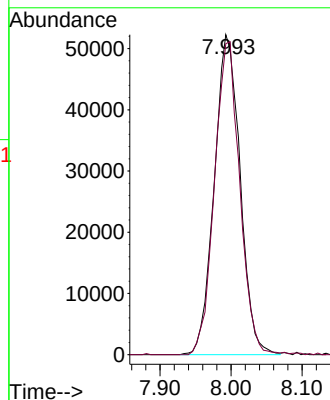
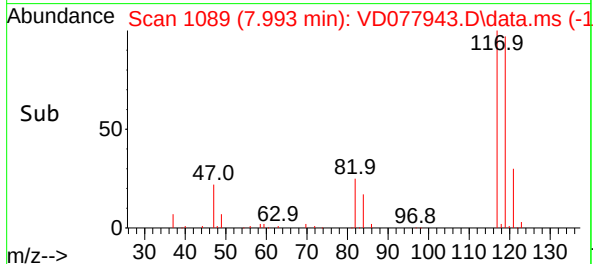


#31  
Carbon tetrachloride  
Concen: 26.996 ug/L  
RT: 7.993 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

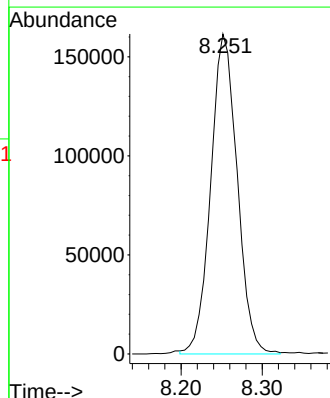
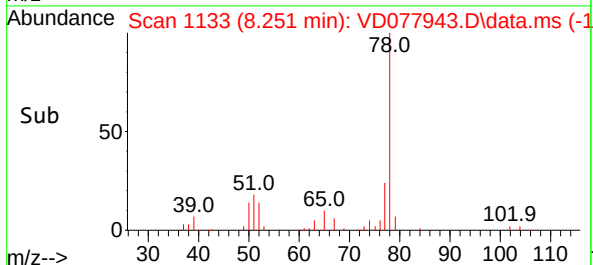
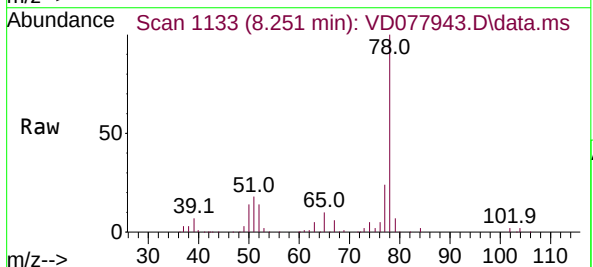


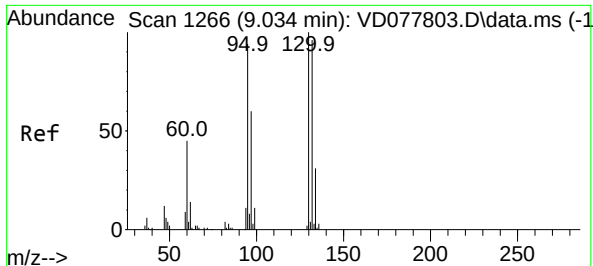
Tgt Ion:117 Resp: 131813  
Ion Ratio Lower Upper  
117 100  
119 95.6 76.3 114.5



#33  
Benzene  
Concen: 24.785 ug/L  
RT: 8.251 min Scan# 1133  
Delta R.T. -0.006 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

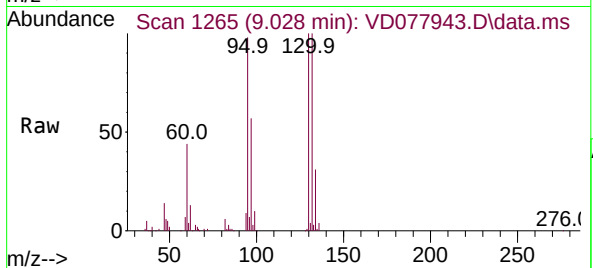
Tgt Ion: 78 Resp: 366052



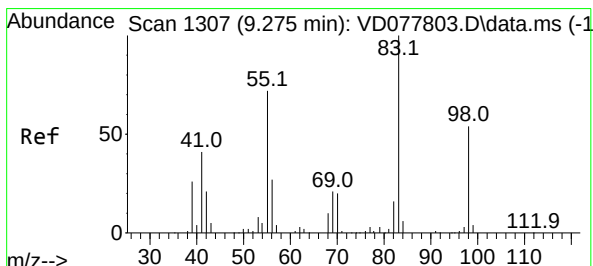
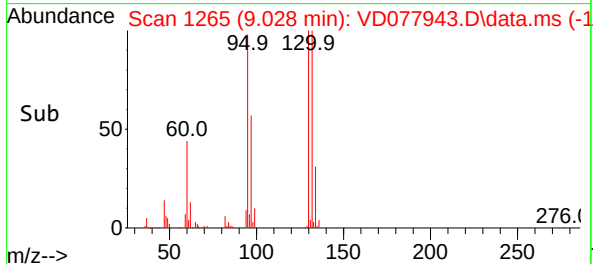
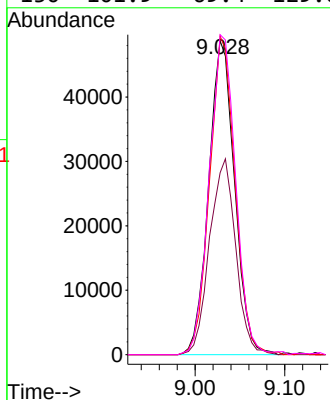


#34  
Trichloroethene  
Concen: 26.652 ug/L  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.006 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

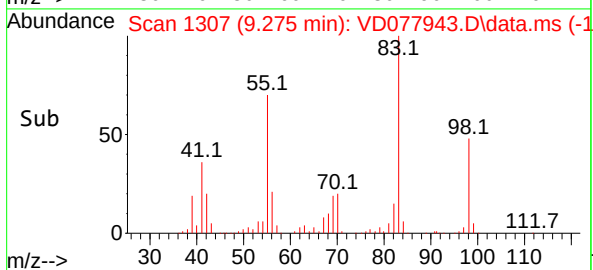
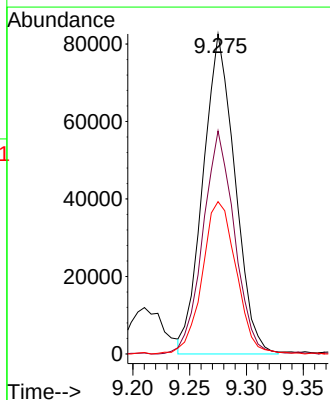
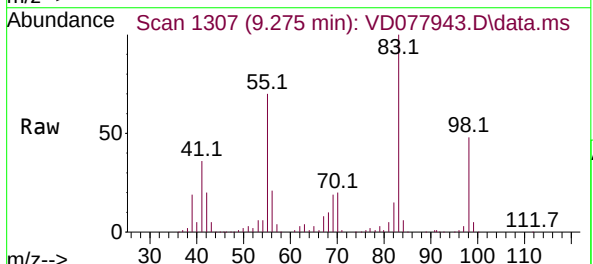


Tgt Ion: 95 Resp: 97711  
Ion Ratio Lower Upper  
95 100  
97 58.0 44.2 82.0  
132 101.5 67.5 125.3  
130 101.9 69.4 129.0

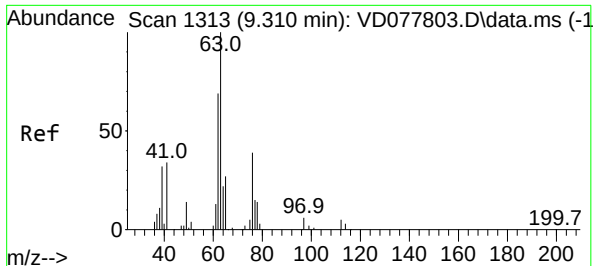


#35  
Methylcyclohexane  
Concen: 24.814 ug/L  
RT: 9.275 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion: 83 Resp: 161498  
Ion Ratio Lower Upper  
83 100  
55 69.0 59.8 89.6  
98 50.6 38.5 57.7



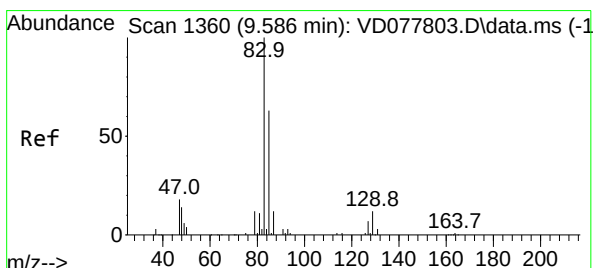
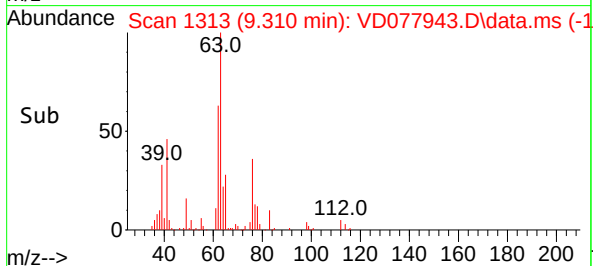
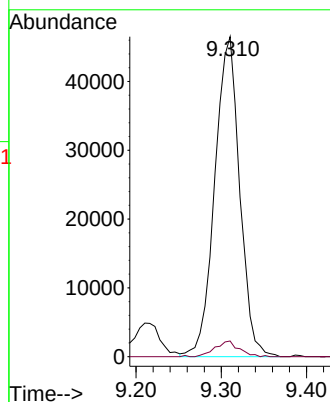
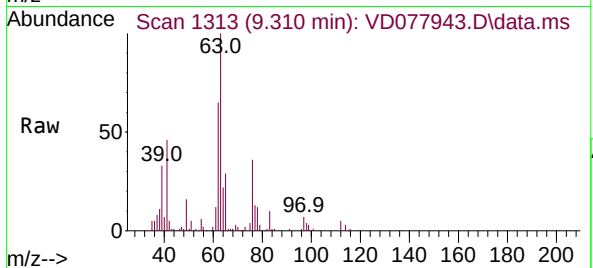




#37  
1,2-Dichloropropane  
Concen: 24.515 ug/L  
RT: 9.310 min Scan# 1313  
Delta R.T. 0.006 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

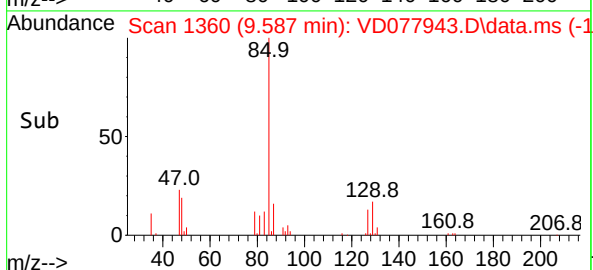
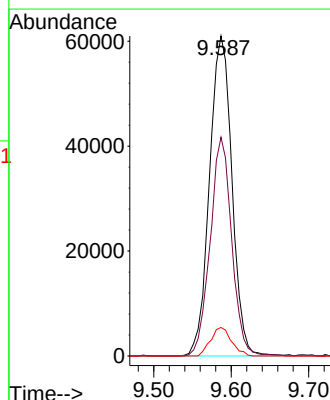
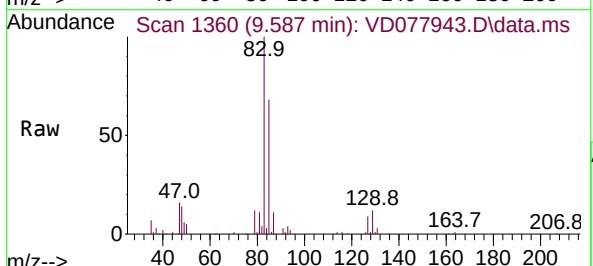
Instrument :  
MSVOA\_D  
ClientSampleId :

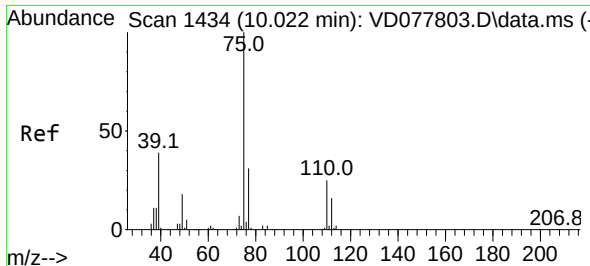
Tgt Ion: 63 Resp: 94398  
Ion Ratio Lower Upper  
63 100  
112 4.7 3.5 5.3



#38  
Bromodichloromethane  
Concen: 26.183 ug/L  
RT: 9.587 min Scan# 1360  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion: 83 Resp: 122606  
Ion Ratio Lower Upper  
83 100  
85 68.4 45.5 84.5  
127 8.9 7.4 11.2

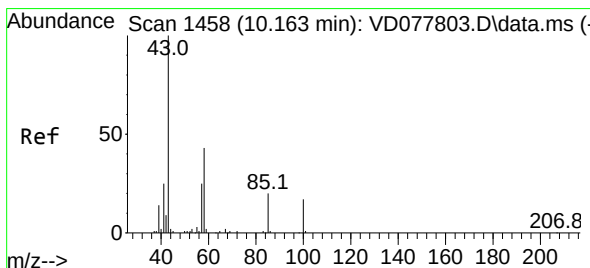
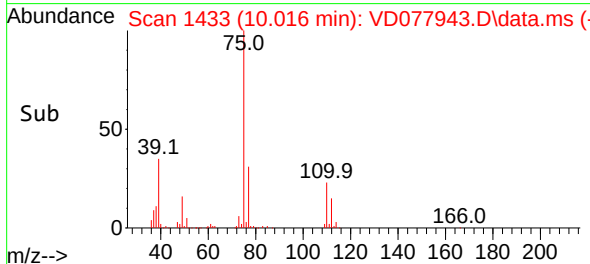
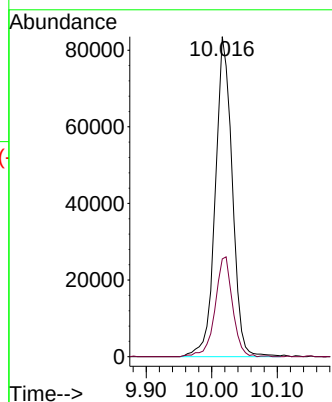
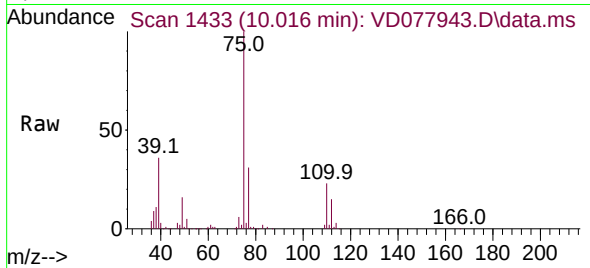




#39  
 cis-1,3-Dichloropropene  
 Concen: 24.871 ug/L  
 RT: 10.016 min Scan# 1433  
 Delta R.T. -0.006 min  
 Lab File: VD077943.D  
 Acq: 18 Dec 2023 12:08

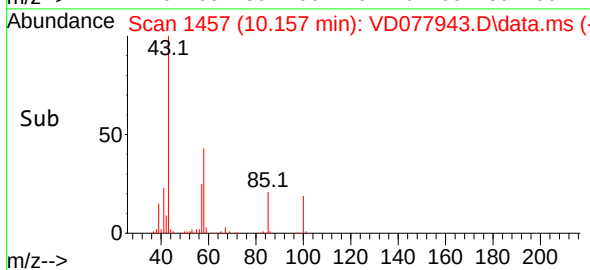
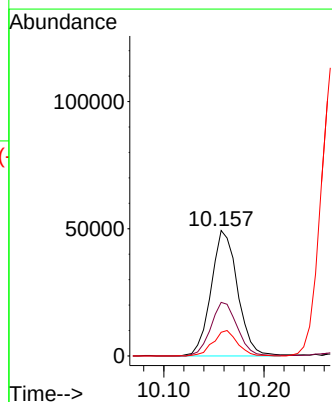
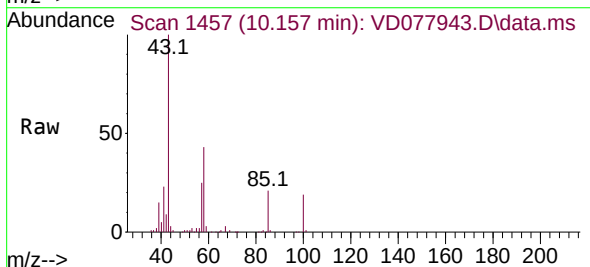
Instrument :  
 MSVOA\_D  
 ClientSampleId :

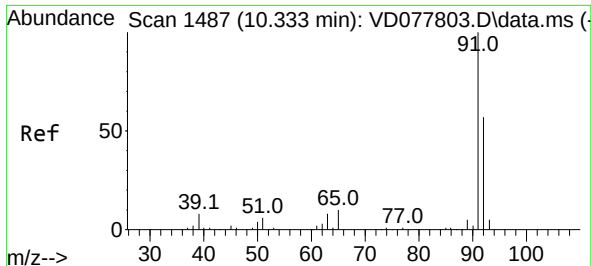
Tgt Ion: 75 Resp: 149559  
 Ion Ratio Lower Upper  
 75 100  
 77 30.6 21.2 39.4



#40  
 4-Methyl-2-pentanone  
 Concen: 42.629 ug/L  
 RT: 10.157 min Scan# 1457  
 Delta R.T. -0.006 min  
 Lab File: VD077943.D  
 Acq: 18 Dec 2023 12:08

Tgt Ion: 43 Resp: 90582  
 Ion Ratio Lower Upper  
 43 100  
 58 42.7 31.0 46.4  
 100 18.6 11.9 17.9#





#42

Toluene

Concen: 26.367 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD077943.D

Acq: 18 Dec 2023 12:08

Instrument :

MSVOA\_D

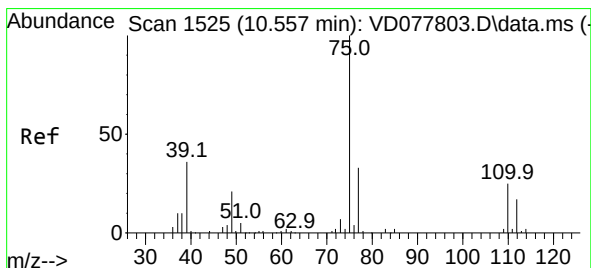
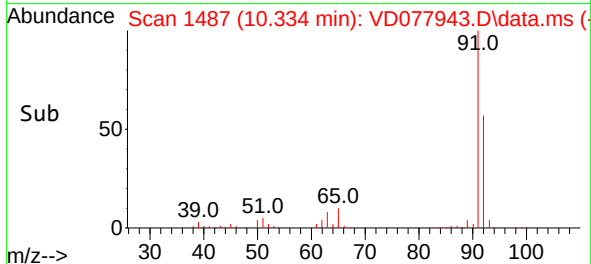
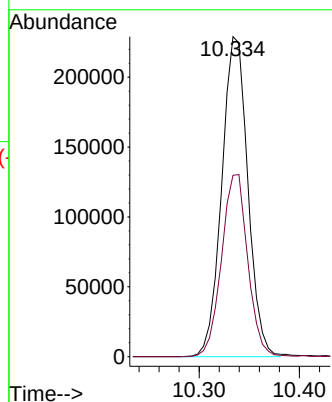
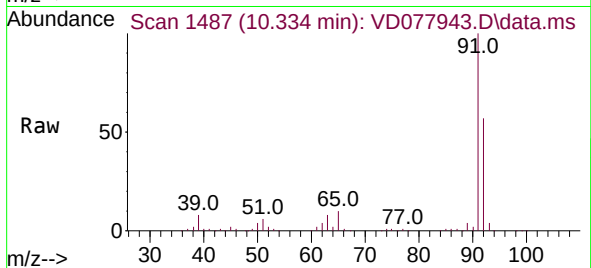
ClientSampleId :

Tgt Ion: 91 Resp: 413614

Ion Ratio Lower Upper

91 100

92 56.7 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 24.691 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. -0.000 min

Lab File: VD077943.D

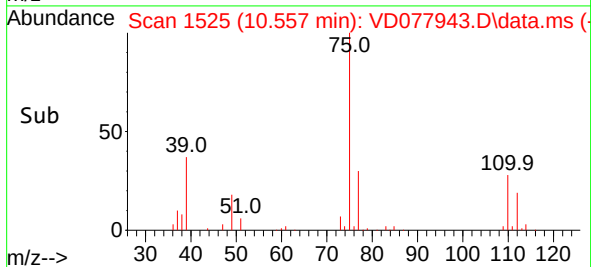
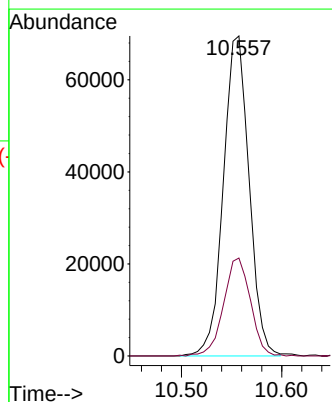
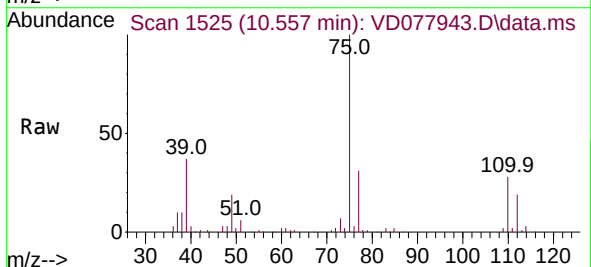
Acq: 18 Dec 2023 12:08

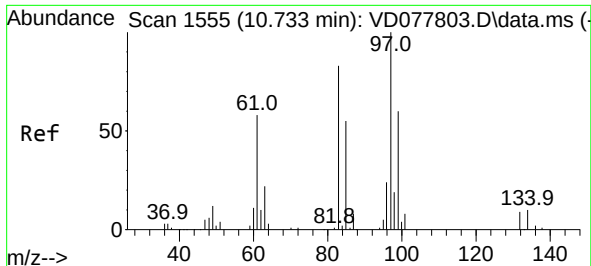
Tgt Ion: 75 Resp: 124012

Ion Ratio Lower Upper

75 100

77 30.6 22.0 40.8

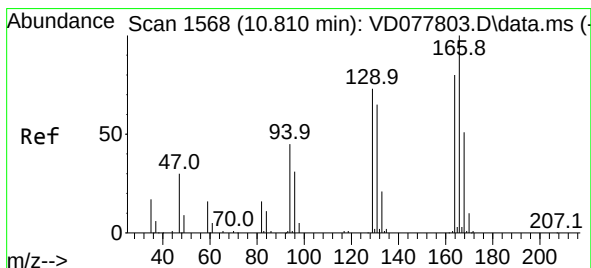
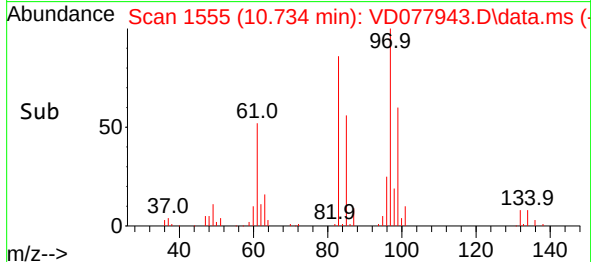
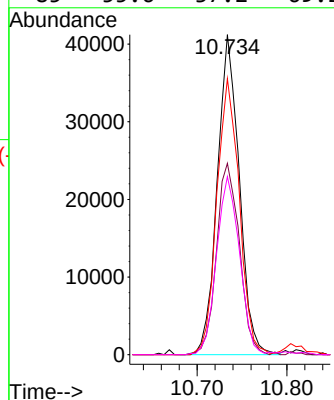
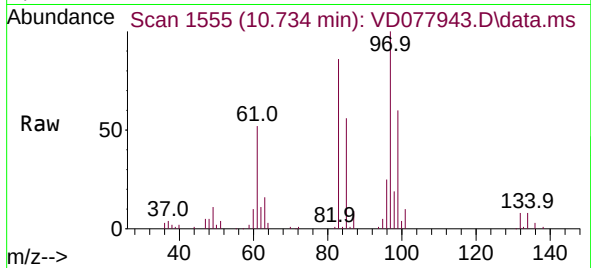




#45  
1,1,2-Trichloroethane  
Concen: 27.117 ug/L  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

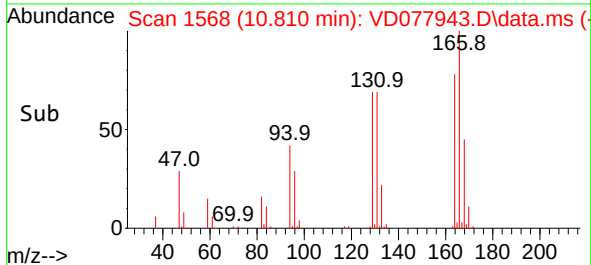
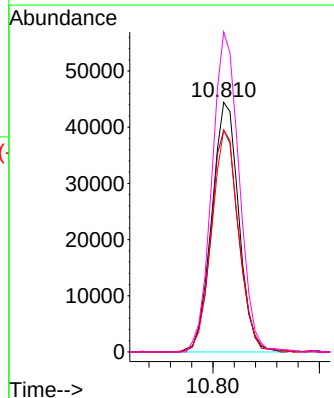
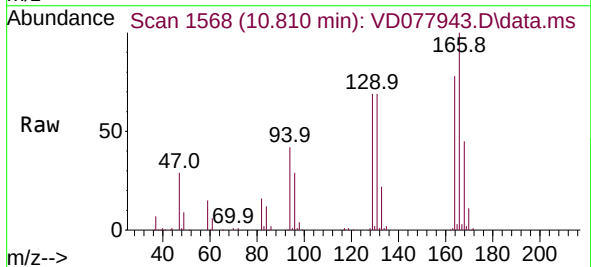
Instrument :  
MSVOA\_D  
ClientSampleId :

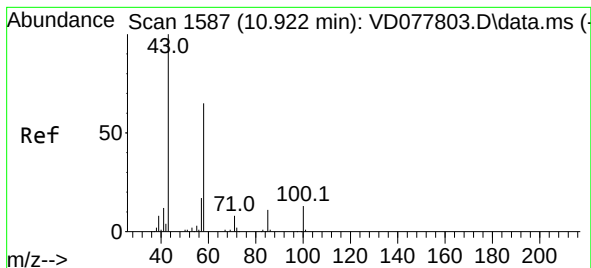
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 70128 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 59.8     | 41.7 77.5   |
| 83 86.3     | 63.6 118.2  |
| 85 55.6     | 37.2 69.2   |



#46  
Tetrachloroethene  
Concen: 26.426 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 78121 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 88.9    | 61.5  | 114.3 |
| 131 | 88.9    | 59.1  | 109.9 |
| 166 | 128.2   | 85.4  | 158.6 |





#48

2-Hexanone

Concen: 38.177 ug/L

RT: 10.922 min Scan# 1

Delta R.T. -0.000 min MSVOA\_D

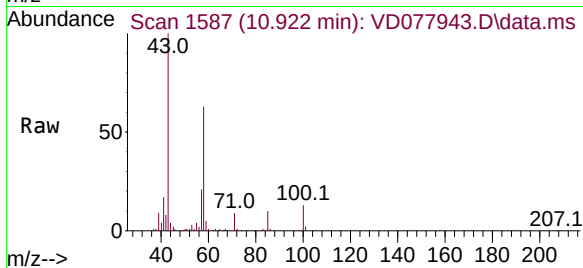
Lab File: VD077943.D

Acq: 18 Dec 2023 12:08

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 43 Resp: 68952

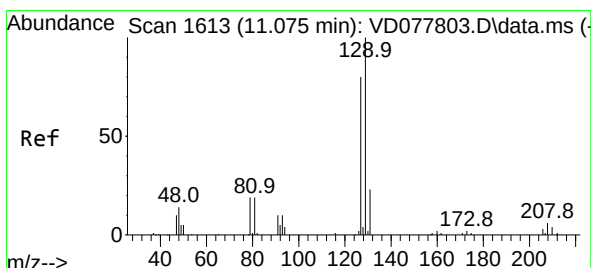
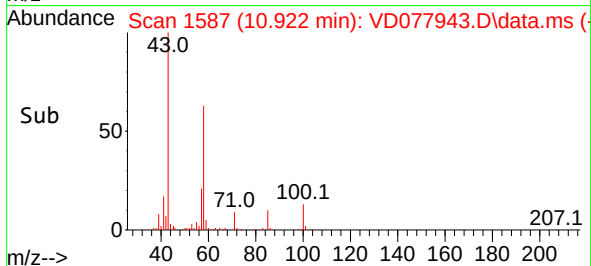
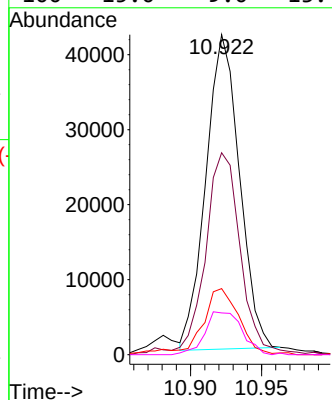
Ion Ratio Lower Upper

43 100

58 66.1 43.0 64.6#

57 21.6 13.8 20.8#

100 15.0 9.0 13.4#



#49

Dibromochloromethane

Concen: 27.311 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. -0.006 min

Lab File: VD077943.D

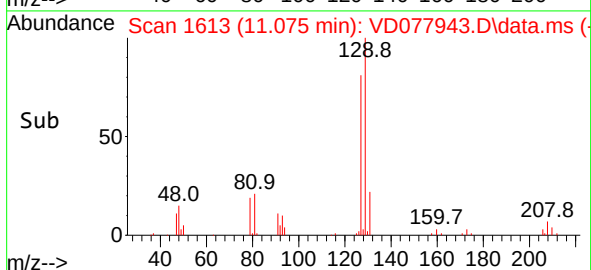
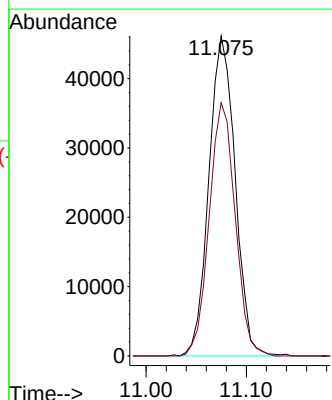
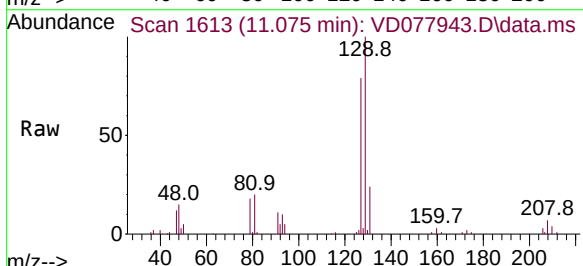
Acq: 18 Dec 2023 12:08

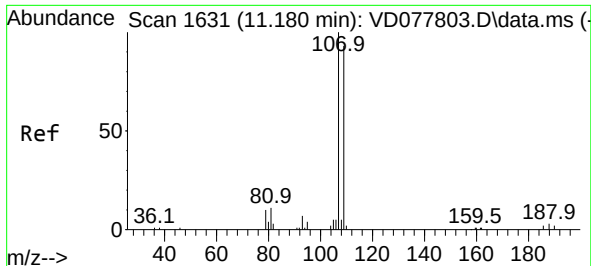
Tgt Ion:129 Resp: 83981

Ion Ratio Lower Upper

129 100

127 79.1 52.8 98.2

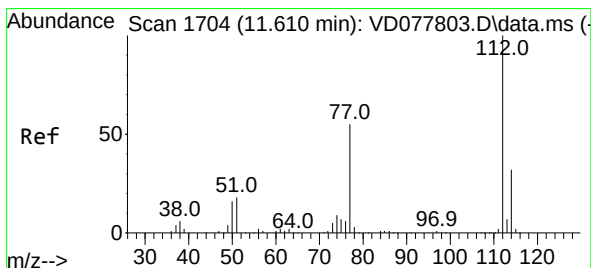
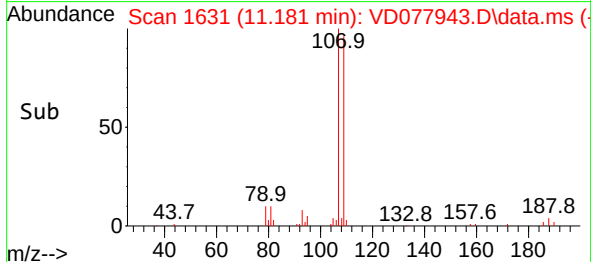
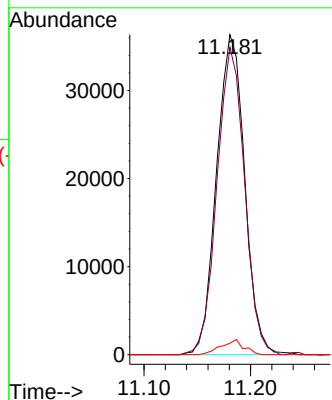
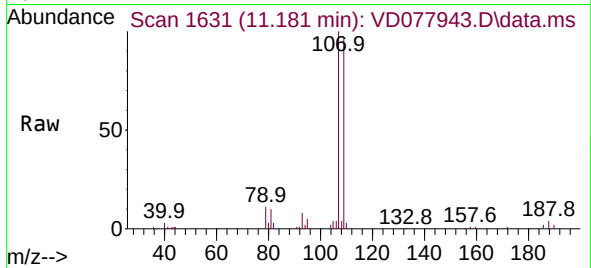




#50  
1,2-Dibromoethane  
Concen: 26.615 ug/L  
RT: 11.181 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

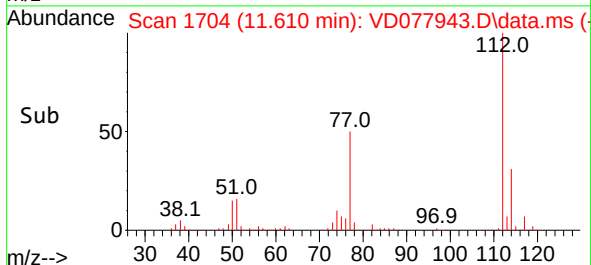
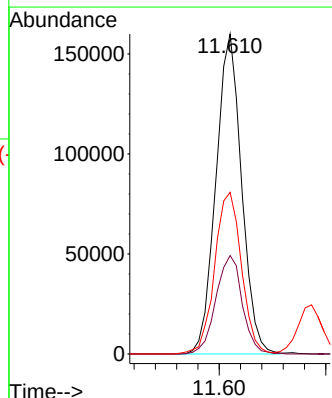
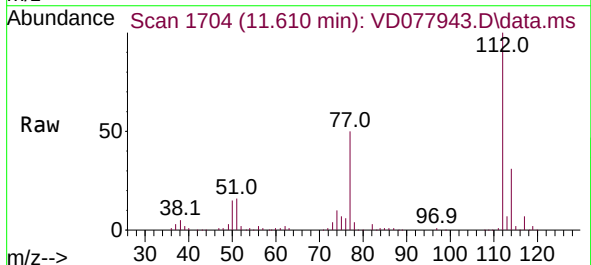
Instrument :  
MSVOA\_D  
ClientSampleId :

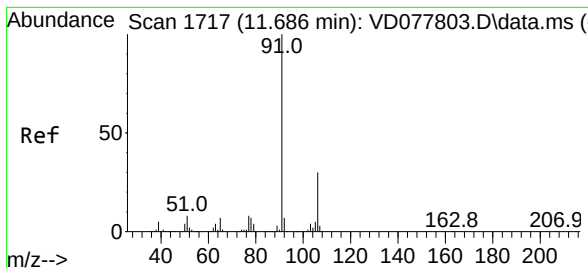
Tgt Ion:107 Resp: 66378  
Ion Ratio Lower Upper  
107 100  
109 96.1 64.2 119.2  
188 3.6 2.3 3.5#



#51  
Chlorobenzene  
Concen: 27.460 ug/L  
RT: 11.610 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion:112 Resp: 267101  
Ion Ratio Lower Upper  
112 100  
114 30.8 22.5 41.9  
77 50.5 46.4 69.6





#52

Ethylbenzene

Concen: 26.369 ug/L

RT: 11.687 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD077943.D

Acq: 18 Dec 2023 12:08

Instrument :

MSVOA\_D

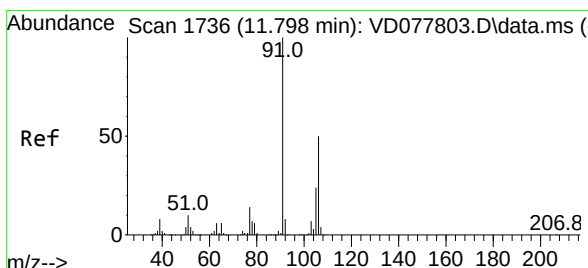
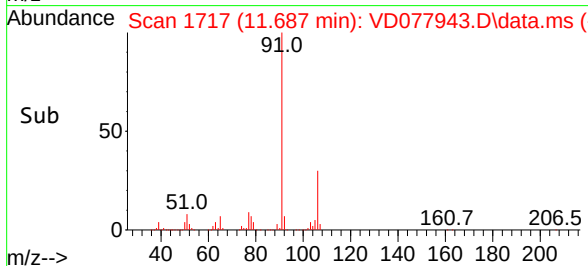
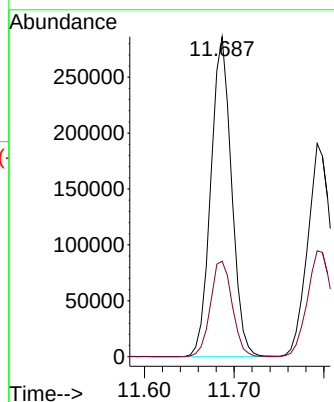
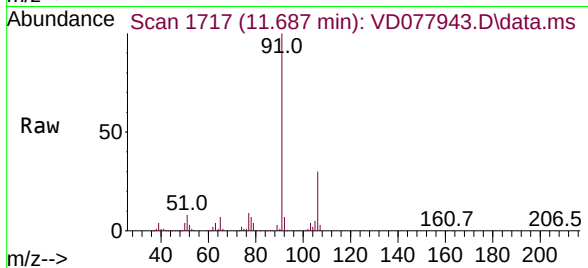
ClientSampleId :

Tgt Ion: 91 Resp: 458550

Ion Ratio Lower Upper

91 100

106 29.8 22.4 41.6



#53

m,p-Xylene

Concen: 27.472 ug/L

RT: 11.792 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VD077943.D

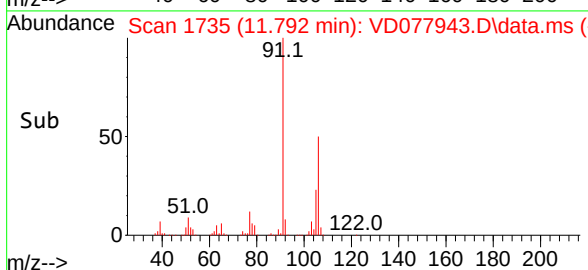
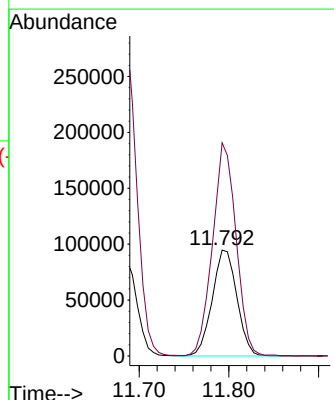
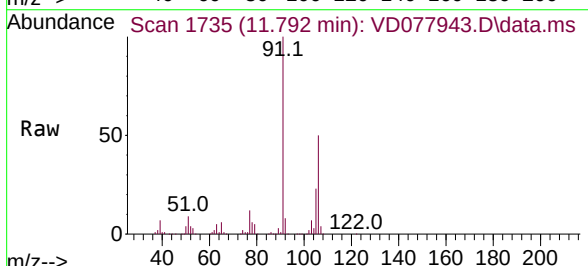
Acq: 18 Dec 2023 12:08

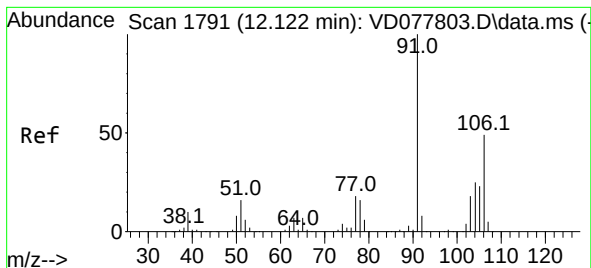
Tgt Ion:106 Resp: 180512

Ion Ratio Lower Upper

106 100

91 201.3 140.8 261.6

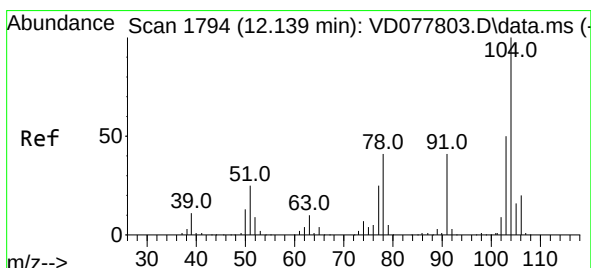
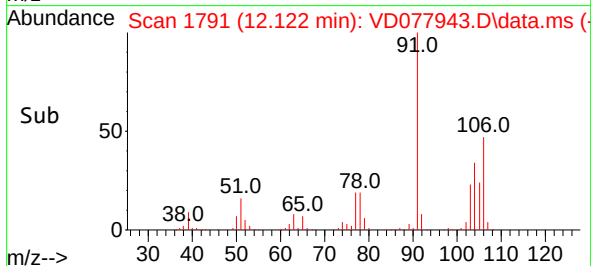
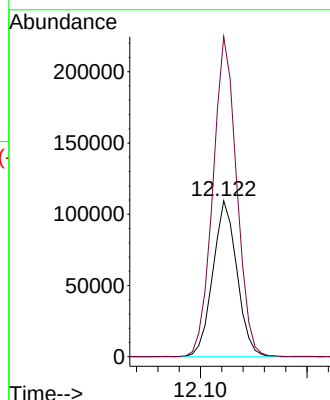
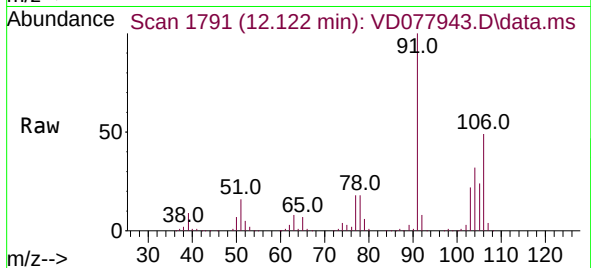




#54  
o-Xylene  
Concen: 27.273 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

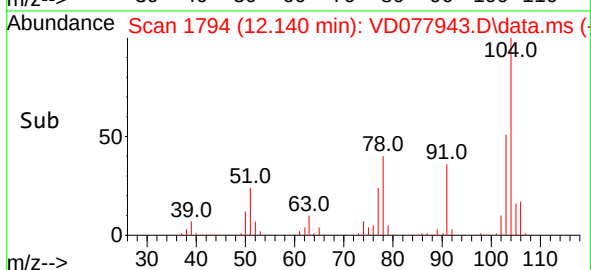
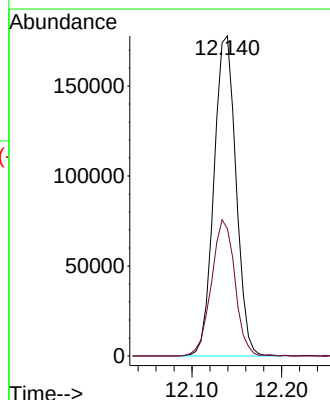
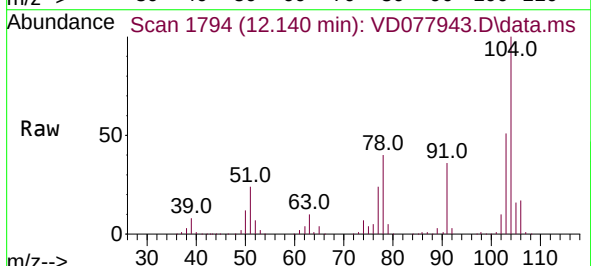
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:106 Resp: 171502  
Ion Ratio Lower Upper  
106 100  
91 205.3 152.2 282.7

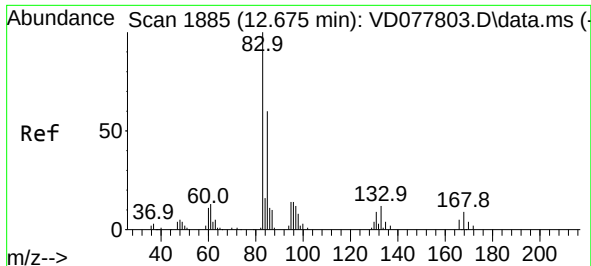


#55  
Styrene  
Concen: 27.663 ug/L  
RT: 12.140 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion:104 Resp: 304391  
Ion Ratio Lower Upper  
104 100  
78 39.8 30.9 57.5



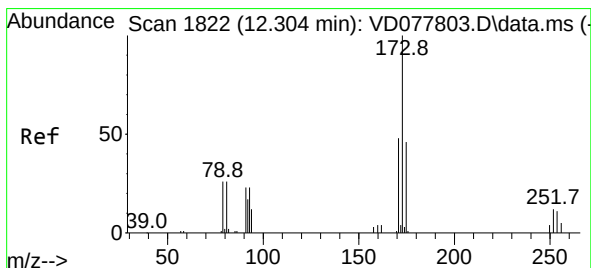
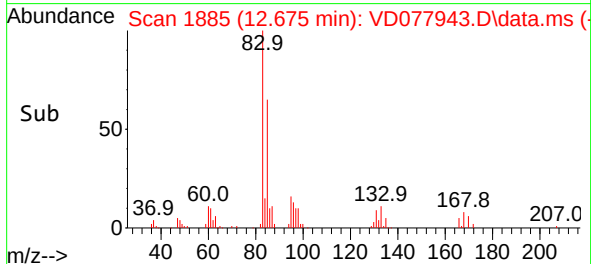
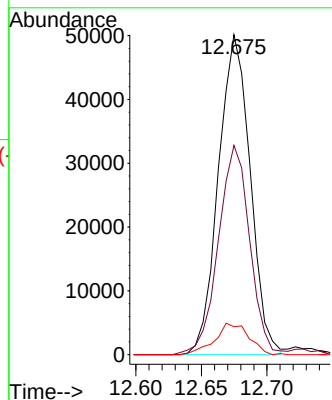
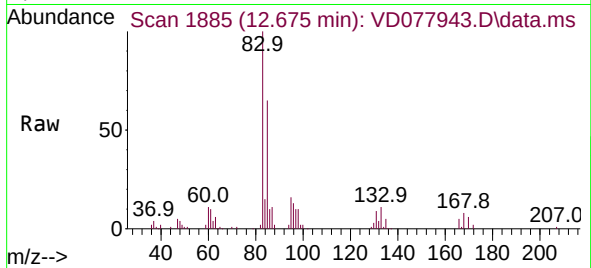




#57  
1,1,2,2-Tetrachloroethane  
Concen: 27.554 ug/L  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

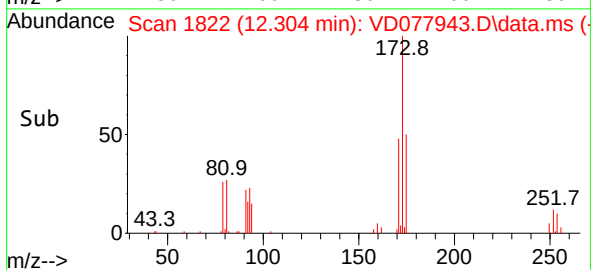
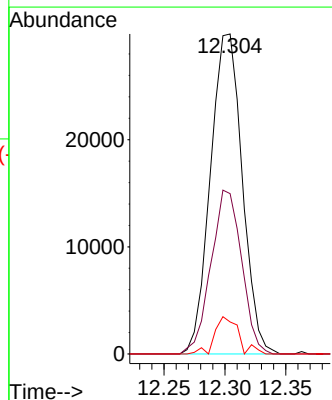
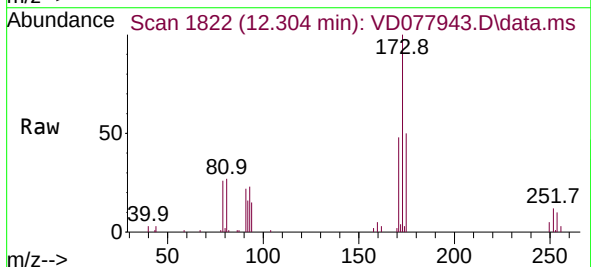
Instrument :  
MSVOA\_D  
ClientSampleId :

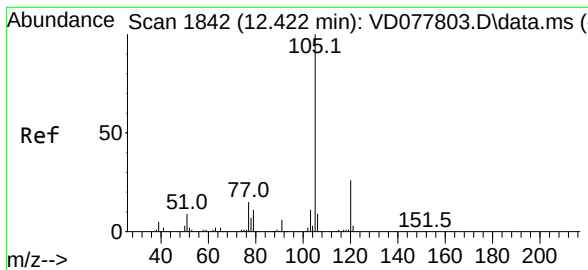
Tgt Ion: 83 Resp: 84433  
Ion Ratio Lower Upper  
83 100  
85 65.4 43.3 80.5  
131 8.7 7.3 10.9



#59  
Bromoform  
Concen: 26.863 ug/L  
RT: 12.304 min Scan# 1822  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion: 173 Resp: 54383  
Ion Ratio Lower Upper  
173 100  
175 49.3 38.7 58.1  
254 7.4 1.8 2.8





#60

Isopropylbenzene

Concen: 26.017 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD077943.D

Acq: 18 Dec 2023 12:08

Instrument :

MSVOA\_D

ClientSampleId :

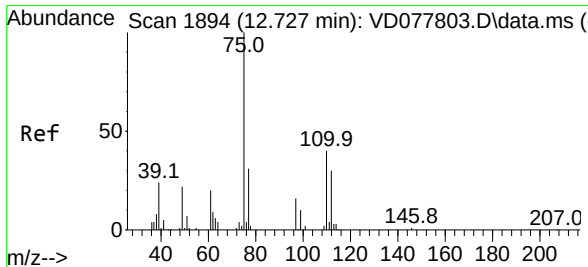
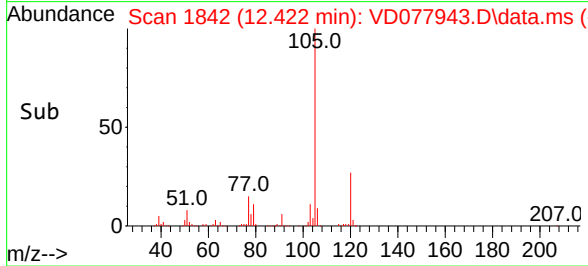
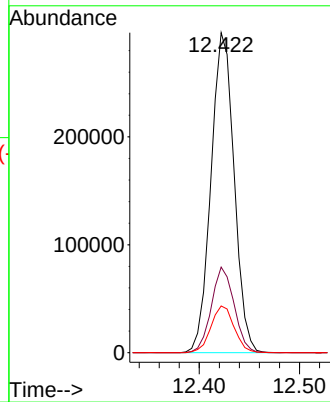
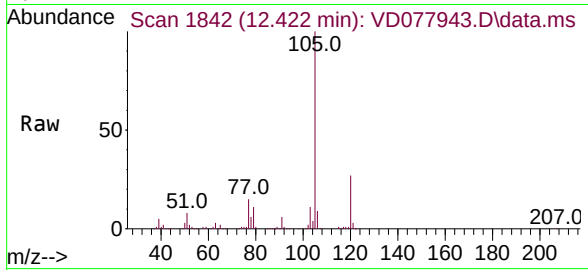
Tgt Ion:105 Resp: 475123

Ion Ratio Lower Upper

105 100

120 26.3 21.3 31.9

77 14.7 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 23.944 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD077943.D

Acq: 18 Dec 2023 12:08

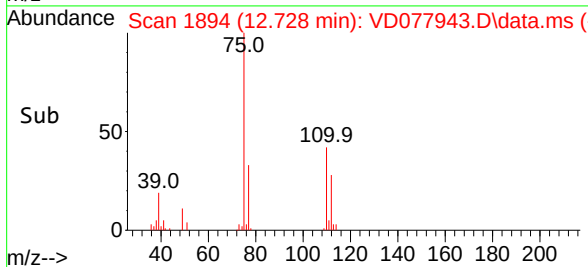
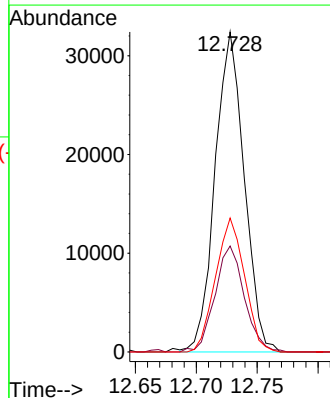
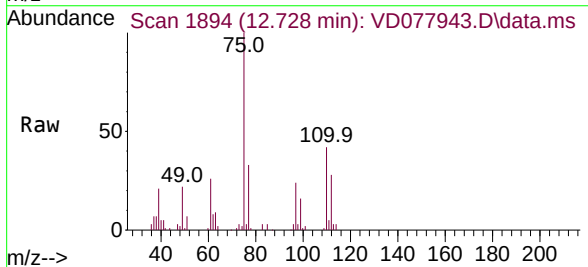
Tgt Ion: 75 Resp: 53887

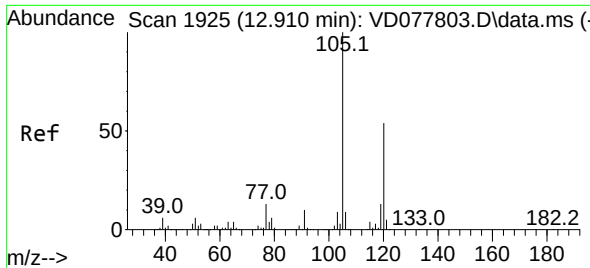
Ion Ratio Lower Upper

75 100

77 33.5 26.8 40.2

110 41.7 33.4 50.2

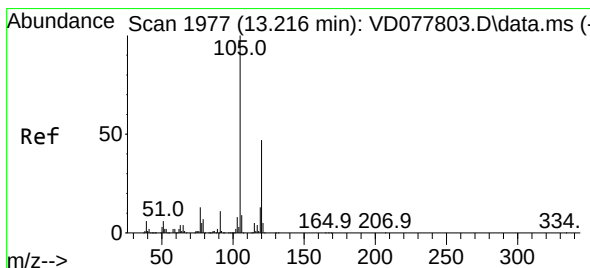
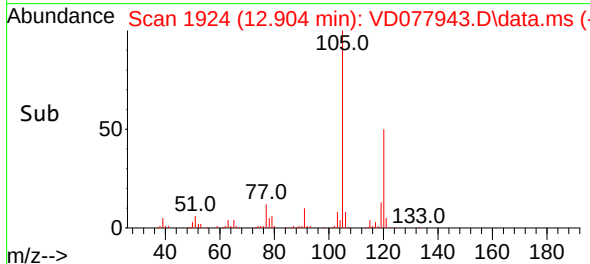
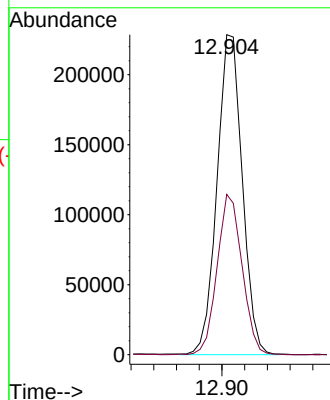
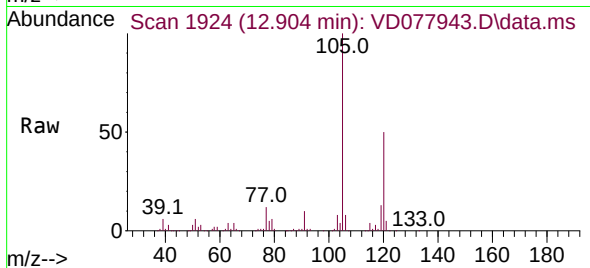




#62  
1,3,5-Trimethylbenzene  
Concen: 25.764 ug/L  
RT: 12.904 min Scan# 1925  
Delta R.T. -0.006 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

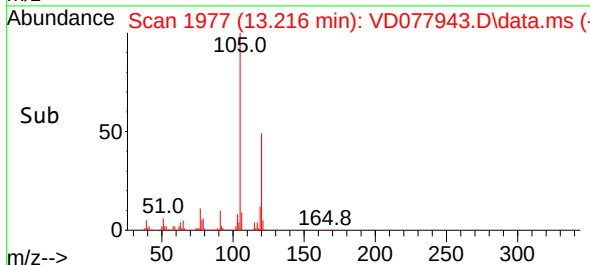
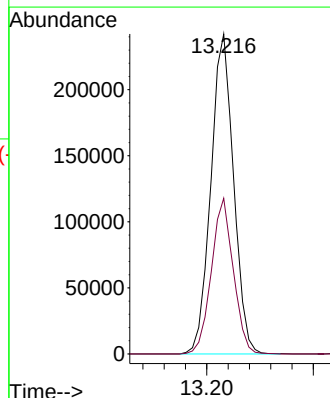
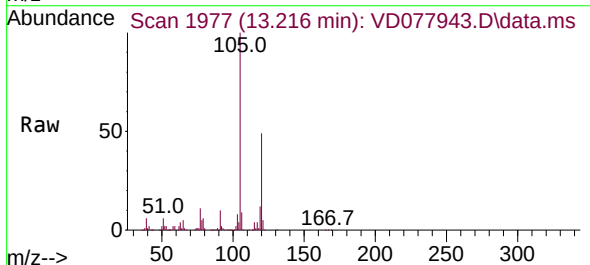
Instrument :  
MSVOA\_D  
ClientSampleId :

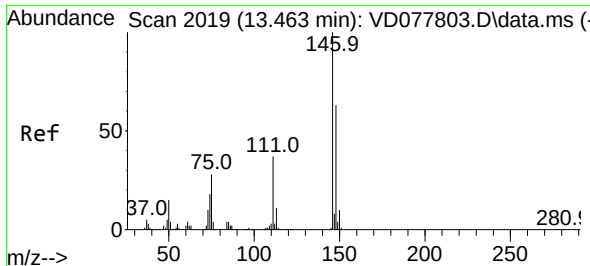
Tgt Ion:105 Resp: 353380  
Ion Ratio Lower Upper  
105 100  
120 49.4 39.5 59.3



#63  
1,2,4-Trimethylbenzene  
Concen: 25.768 ug/L  
RT: 13.216 min Scan# 1977  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion:105 Resp: 358362  
Ion Ratio Lower Upper  
105 100  
120 47.0 37.1 55.7

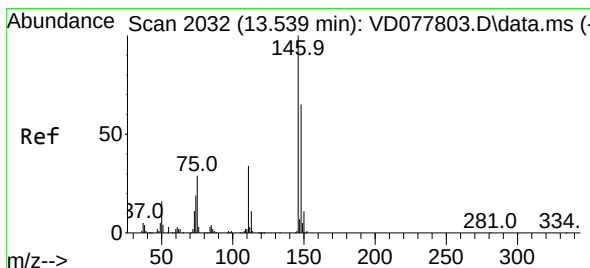
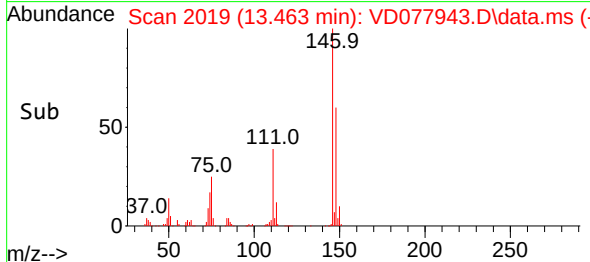
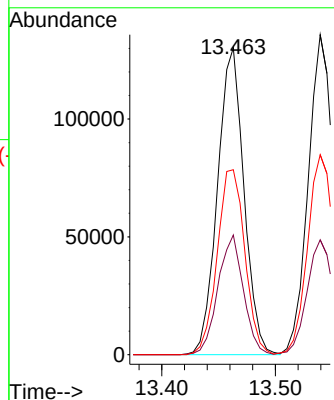
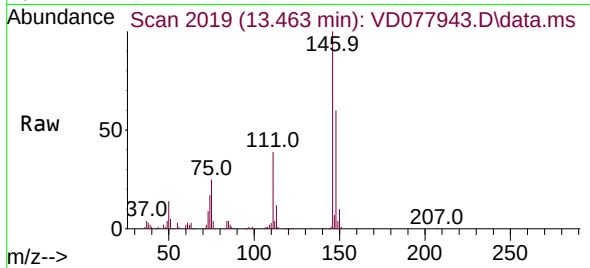




#64  
1,3-Dichlorobenzene  
Concen: 26.674 ug/L  
RT: 13.463 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

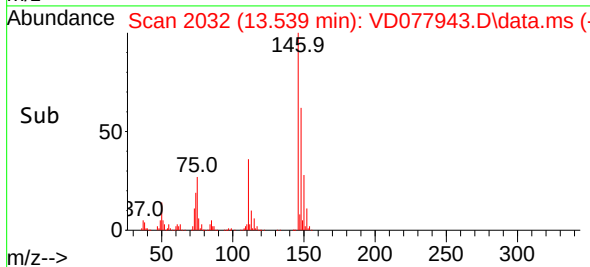
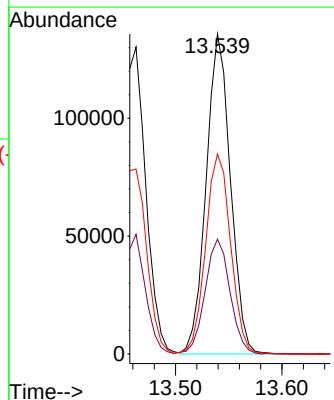
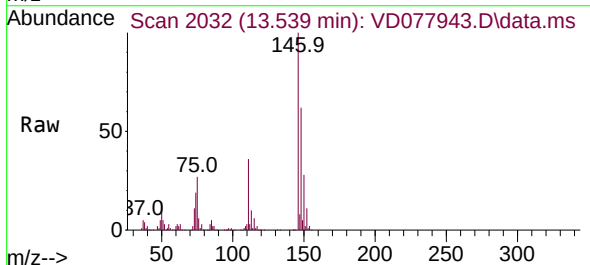
Instrument :  
MSVOA\_D  
ClientSampleId :

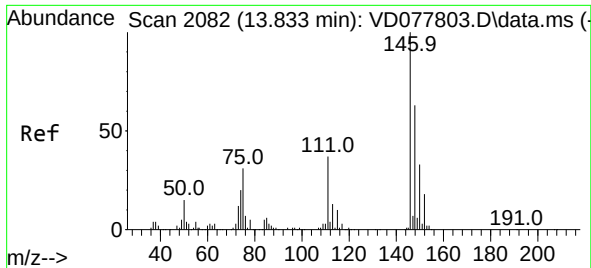
Tgt Ion:146 Resp: 210666  
Ion Ratio Lower Upper  
146 100  
111 39.0 26.6 49.4  
148 60.3 44.0 81.6



#65  
1,4-Dichlorobenzene  
Concen: 26.291 ug/L  
RT: 13.539 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion:146 Resp: 215466  
Ion Ratio Lower Upper  
146 100  
111 35.9 26.4 49.0  
148 62.5 44.0 81.8

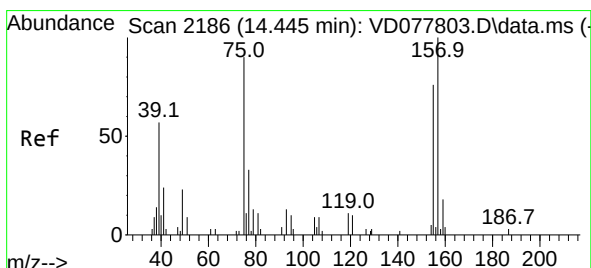
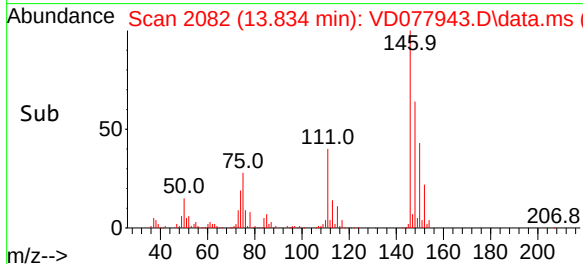
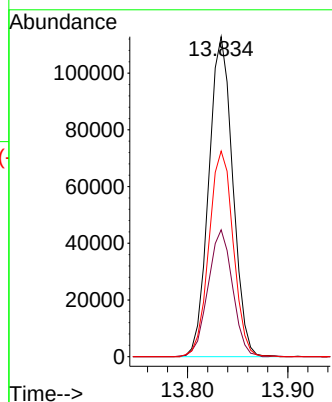
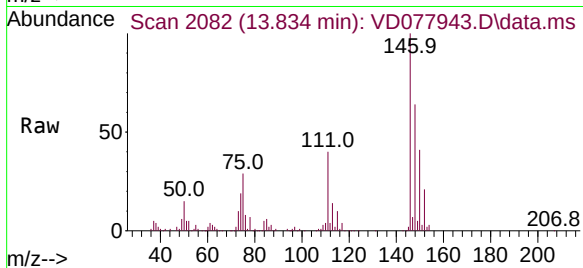




#67  
1,2-Dichlorobenzene  
Concen: 26.438 ug/L  
RT: 13.834 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

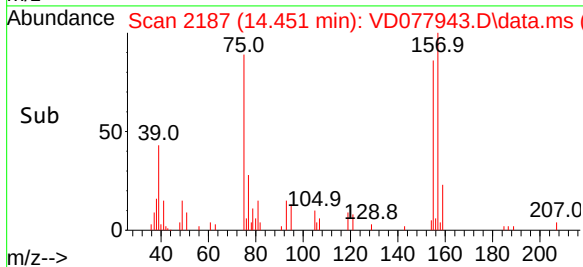
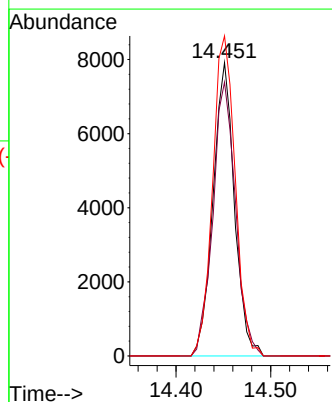
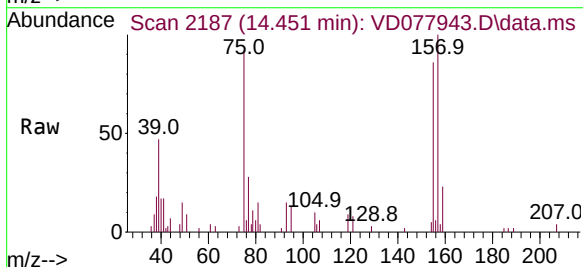
Instrument :  
MSVOA\_D  
ClientSampleId :

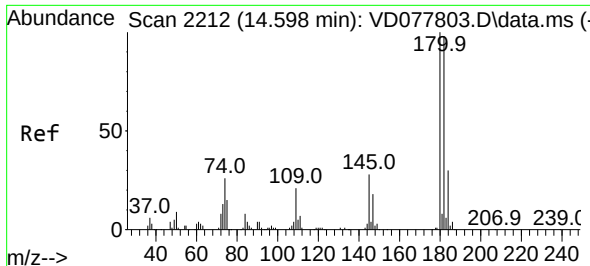
Tgt Ion:146 Resp: 187891  
Ion Ratio Lower Upper  
146 100  
111 39.7 31.4 47.2  
148 64.2 50.2 75.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 23.436 ug/L  
RT: 14.451 min Scan# 2187  
Delta R.T. -0.000 min  
Lab File: VD077943.D  
Acq: 18 Dec 2023 12:08

Tgt Ion: 75 Resp: 12437  
Ion Ratio Lower Upper  
75 100  
155 93.4 69.2 103.8  
157 109.1 86.6 130.0

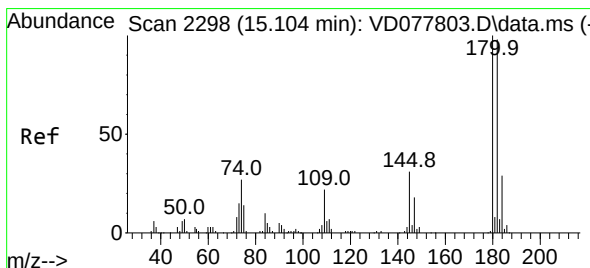
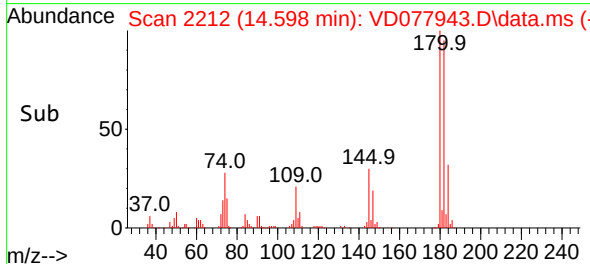
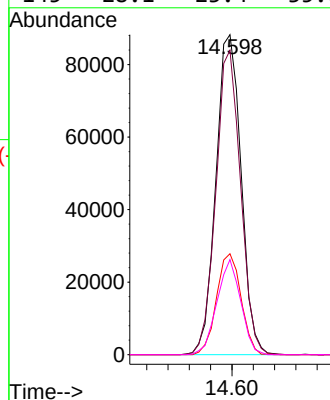
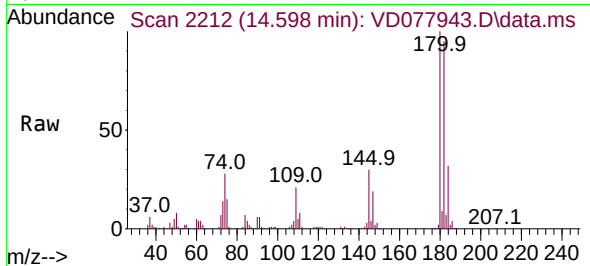




#69  
 1,3,5-Trichlorobenzene  
 Concen: 26.910 ug/L  
 RT: 14.598 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VD077943.D  
 Acq: 18 Dec 2023 12:08

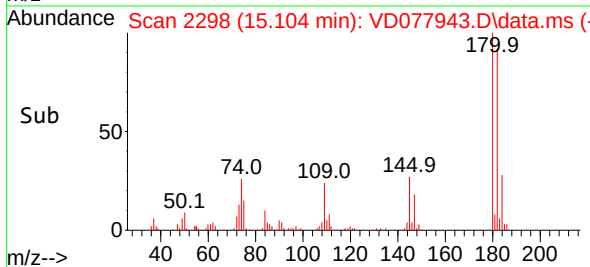
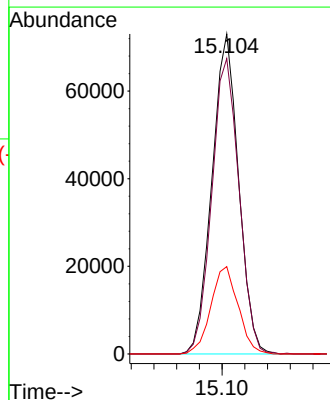
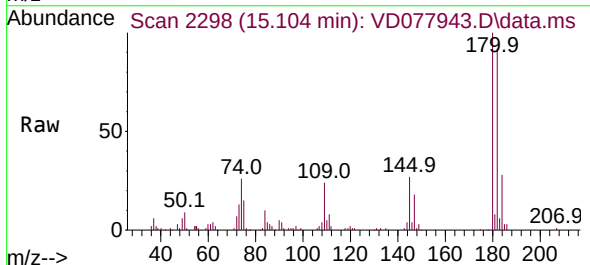
Instrument :  
 MSVOA\_D  
 ClientSampleId :

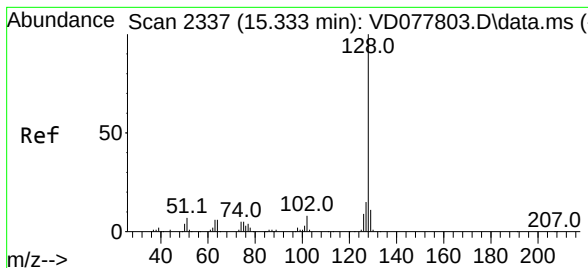
|             |                 |
|-------------|-----------------|
| Tgt Ion:180 | Resp: 144719    |
| Ion Ratio   | Lower Upper     |
| 180         | 100             |
| 182         | 93.5 77.0 115.4 |
| 184         | 30.7 24.3 36.5  |
| 145         | 28.1 23.4 35.0  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 26.060 ug/L  
 RT: 15.104 min Scan# 2298  
 Delta R.T. -0.000 min  
 Lab File: VD077943.D  
 Acq: 18 Dec 2023 12:08

|             |                 |
|-------------|-----------------|
| Tgt Ion:180 | Resp: 118977    |
| Ion Ratio   | Lower Upper     |
| 180         | 100             |
| 182         | 94.1 77.0 115.6 |
| 145         | 27.9 23.9 35.9  |





#71

Naphthalene

Concen: 25.641 ug/L

RT: 15.333 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD077943.D

Acq: 18 Dec 2023 12:08

Instrument :

MSVOA\_D

ClientSampleId :

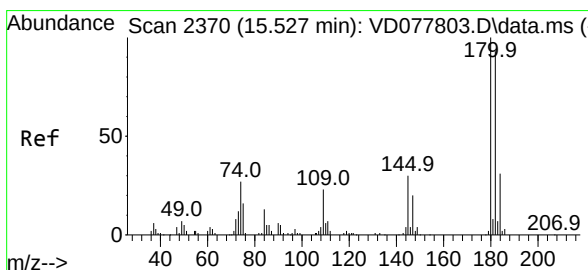
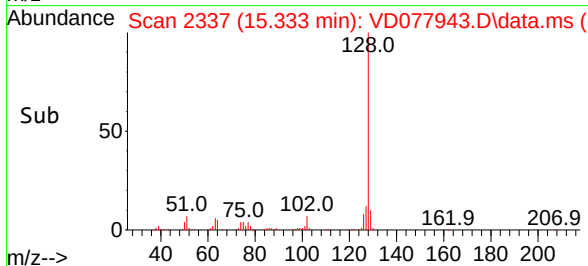
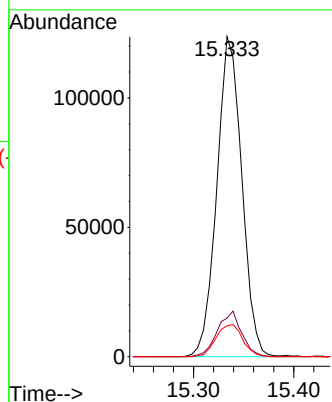
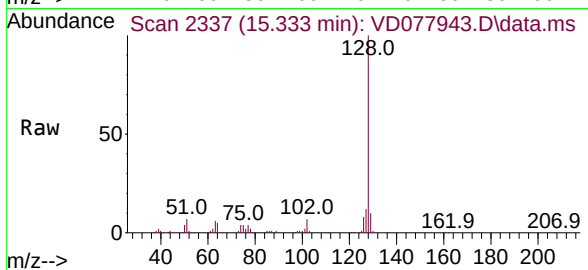
Tgt Ion:128 Resp: 214019

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 26.425 ug/L

RT: 15.528 min Scan# 2370

Delta R.T. -0.000 min

Lab File: VD077943.D

Acq: 18 Dec 2023 12:08

Tgt Ion:180 Resp: 105762

Ion Ratio Lower Upper

180 100

182 94.4 77.3 115.9

145 30.0 25.2 37.8

