

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW120722\  
 Data File : VW029422.D  
 Acq On : 07 Dec 2022 17:10  
 Operator : SY/MD  
 Sample : MDL01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL01

Quant Time: Dec 08 01:34:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120722WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 08 00:46:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.609   | 114   | 541239   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844   | 117   | 486828   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239  | 152   | 249568   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 137991   | 41.635   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 83.260%  |
| 7) Chloroethane-d5            | 1.561   | 69    | 111469   | 44.107   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 88.220%  |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 174477   | 33.752   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 67.500%  |
| 21) 2-Butanone-d5             | 3.867   | 46    | 212334   | 105.021  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 105.020% |
| 24) Chloroform-d              | 4.339   | 84    | 276487   | 44.331   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.660%  |
| 26) 1,2-Dichloroethane-d4     | 5.024   | 65    | 168351   | 47.261   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.520%  |
| 32) Benzene-d6                | 5.043   | 84    | 601168   | 46.734   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.460%  |
| 36) 1,2-Dichloropropane-d6    | 6.063   | 67    | 188642   | 48.010   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.020%  |
| 41) Toluene-d8                | 7.307   | 98    | 552408   | 45.577   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.160%  |
| 43) trans-1,3-Dichloroprop... | 7.612   | 79    | 89488    | 45.102   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.200%  |
| 47) 2-Hexanone-d5             | 8.082   | 63    | 175399   | 104.536  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 104.540% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207  | 84    | 266591   | 47.479   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 94.960%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.612  | 152   | 221297   | 46.581   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.160%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 8836     | 2.073    | ug/L   | 97       |
| 3) Chloromethane              | 1.240   | 50    | 11019    | 2.267    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.307   | 62    | 8879     | 2.183    | ug/L # | 73       |
| 6) Bromomethane               | 1.516   | 94    | 4314     | 2.636    | ug/L   | 99       |
| 8) Chloroethane               | 1.581   | 64    | 5095     | 2.250    | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 10920    | 2.145    | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108   | 101   | 7648     | 2.704    | ug/L # | 79       |
| 12) 1,1-Dichloroethene        | 2.111   | 96    | 7420     | 2.565    | ug/L # | 1        |
| 13) Acetone                   | 2.156   | 43    | 6368     | 4.835    | ug/L   | 90       |
| 14) Carbon disulfide          | 2.291   | 76    | 20979    | 2.179    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.429   | 43    | 6944     | 2.314    | ug/L   | 95       |
| 16) Methylene chloride        | 2.503   | 84    | 9796     | 2.723    | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 2.757   | 96    | 6695     | 2.008    | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 2.764   | 73    | 21615    | 2.116    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.182   | 63    | 12299    | 2.154    | ug/L   | 94       |
| 20) cis-1,2-Dichloroethene    | 3.908   | 96    | 8088     | 2.206    | ug/L   | 94       |
| 22) 2-Butanone                | 3.979   | 43    | 8832     | 4.214    | ug/L # | 65       |
| 23) Bromochloromethane        | 4.246   | 128   | 3602     | 1.908    | ug/L # | 82       |
| 25) Chloroform                | 4.365   | 83    | 12717    | 2.148    | ug/L   | 96       |

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 Operator : SY/MD  
 Sample : MDL01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

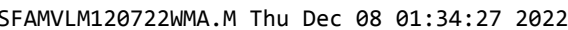
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL01

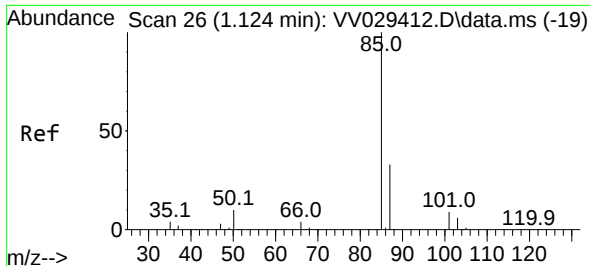
Quant Time: Dec 08 01:34:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120722WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 08 00:46:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 9588     | 2.293 | ug/L   | 99       |
| 29) Cyclohexane               | 4.670  | 56   | 11632    | 2.206 | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 4.603  | 97   | 11101    | 2.093 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 9931     | 2.144 | ug/L   | 100      |
| 33) Benzene                   | 5.098  | 78   | 28697    | 2.091 | ug/L   | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 7506     | 2.183 | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.127  | 83   | 13050    | 2.235 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 7465     | 2.254 | ug/L # | 92       |
| 38) Bromodichloromethane      | 6.506  | 83   | 9639     | 2.108 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 10940    | 2.008 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 17191    | 4.353 | ug/L   | 97       |
| 42) Toluene                   | 7.384  | 91   | 32105    | 2.174 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 10275    | 1.992 | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 7076     | 2.068 | ug/L   | 91       |
| 46) Tetrachloroethene         | 7.969  | 164  | 5880     | 2.127 | ug/L   | 96       |
| 48) 2-Hexanone                | 8.137  | 43   | 15838    | 5.250 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.239  | 129  | 7868     | 2.083 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 7431     | 2.108 | ug/L   | 96       |
| 51) Chlorobenzene             | 8.876  | 112  | 20391    | 2.180 | ug/L   | 97       |
| 52) Ethylbenzene              | 9.005  | 91   | 31908    | 2.055 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.133  | 106  | 12435    | 2.023 | ug/L   | 91       |
| 54) o-Xylene                  | 9.535  | 106  | 12737    | 2.095 | ug/L   | 90       |
| 55) Styrene                   | 9.555  | 104  | 20336    | 1.925 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.233 | 83   | 12411    | 2.268 | ug/L   | 95       |
| 59) Bromoform                 | 9.722  | 173  | 5986     | 2.171 | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.924  | 105  | 31542    | 2.153 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.265 | 75   | 9480     | 2.461 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.529 | 105  | 27457    | 2.119 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.905 | 105  | 27083    | 2.109 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 16160    | 2.256 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.262 | 146  | 16515    | 2.268 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.632 | 146  | 16019    | 2.187 | ug/L # | 90       |
| 68) 1,2-Dibromo-3-chloropr... | 12.416 | 75   | 2946     | 2.461 | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.635 | 180  | 11967    | 2.099 | ug/L   | 94       |
| 70) 1,2,4-trichlorobenzene    | 13.249 | 180  | 10445    | 2.060 | ug/L   | 98       |
| 71) Naphthalene               | 13.497 | 128  | 19329    | 1.681 | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 10182    | 2.050 | ug/L   | 97       |

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

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Response via : Initial Calibration

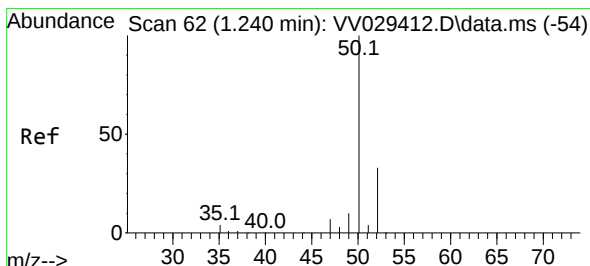
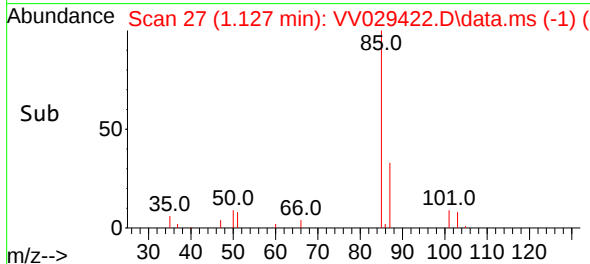
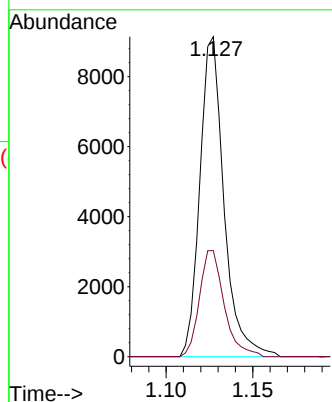
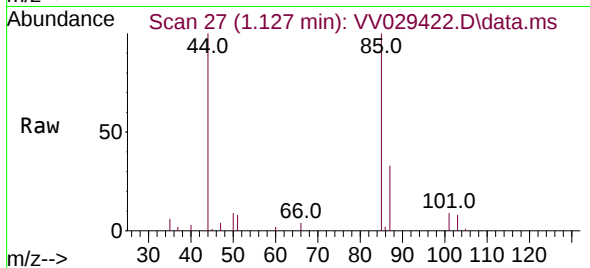




#2  
 Dichlorodifluoromethane  
 Concen: 2.073 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VV029422.D  
 Acq: 07 Dec 2022 17:10

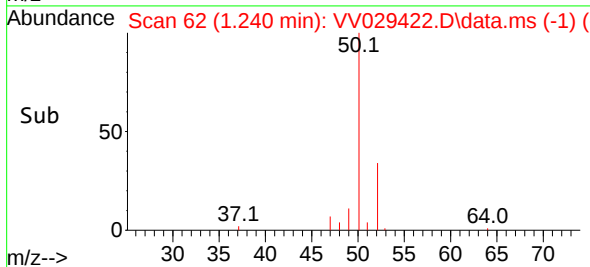
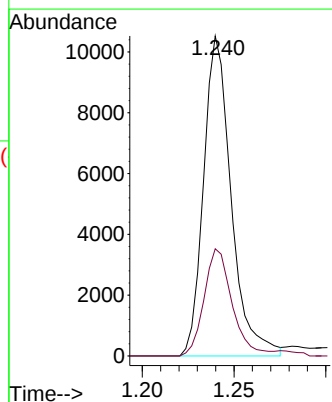
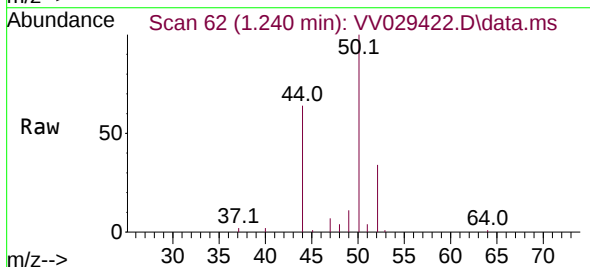
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL01

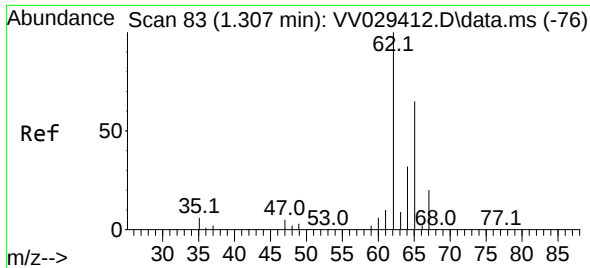
Tgt Ion: 85 Resp: 8836  
 Ion Ratio Lower Upper  
 85 100  
 87 34.1 25.9 38.9



#3  
 Chloromethane  
 Concen: 2.267 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.000 min  
 Lab File: VV029422.D  
 Acq: 07 Dec 2022 17:10

Tgt Ion: 50 Resp: 11019  
 Ion Ratio Lower Upper  
 50 100  
 52 33.5 23.3 43.3

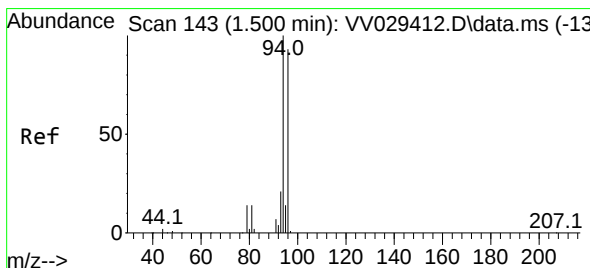
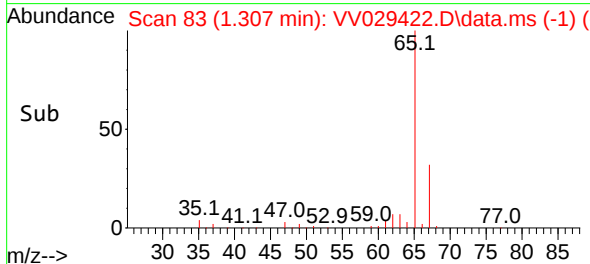
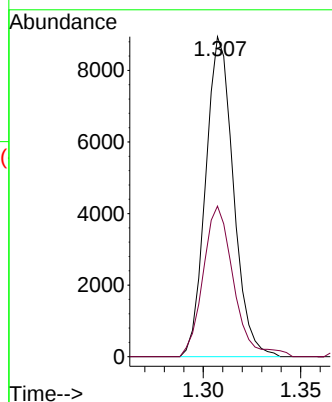
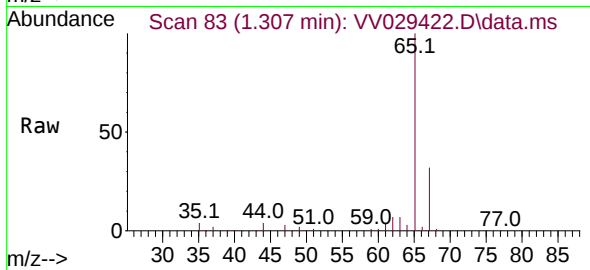




#5  
 Vinyl chloride  
 Concen: 2.183 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VV029422.D  
 Acq: 07 Dec 2022 17:10

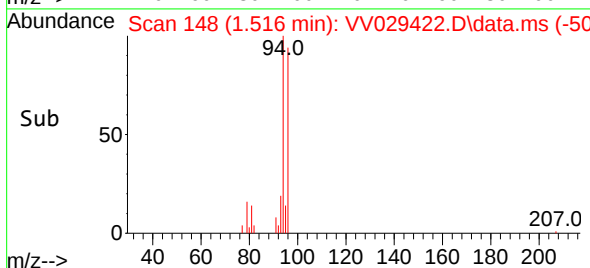
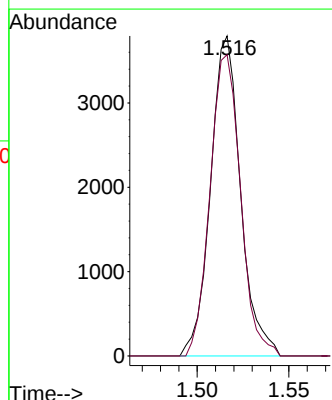
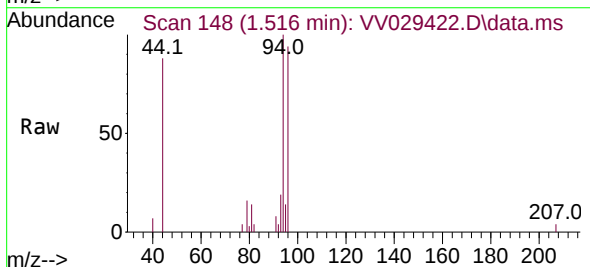
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL01

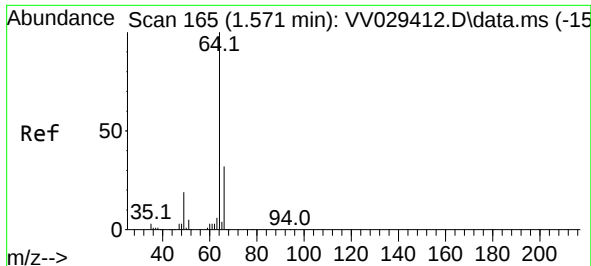
Tgt Ion: 62 Resp: 8879  
 Ion Ratio Lower Upper  
 62 100  
 64 47.1 22.5 41.9#



#6  
 Bromomethane  
 Concen: 2.636 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. 0.016 min  
 Lab File: VV029422.D  
 Acq: 07 Dec 2022 17:10

Tgt Ion: 94 Resp: 4314  
 Ion Ratio Lower Upper  
 94 100  
 96 94.2 65.1 120.9

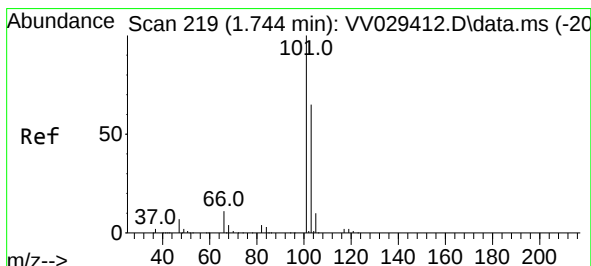
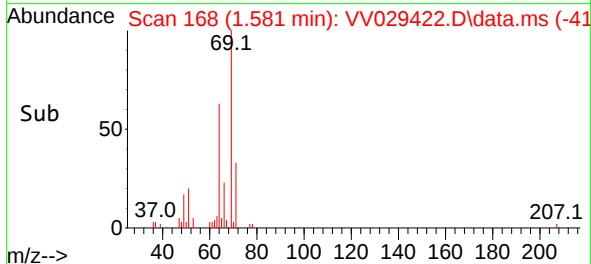
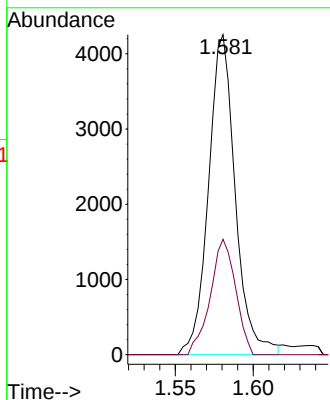
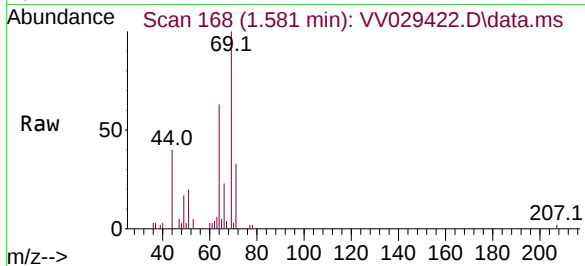




#8  
Chloroethane  
Concen: 2.250 ug/L  
RT: 1.581 min Scan# 1  
Delta R.T. 0.010 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

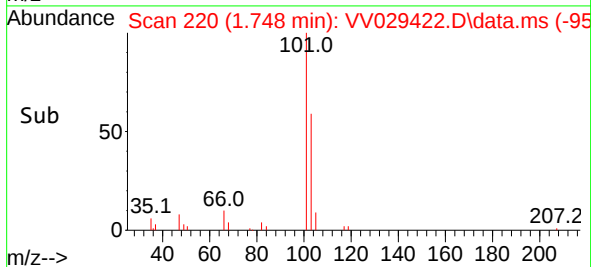
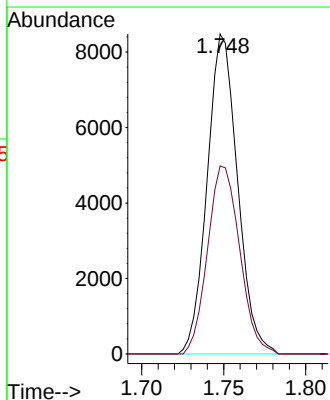
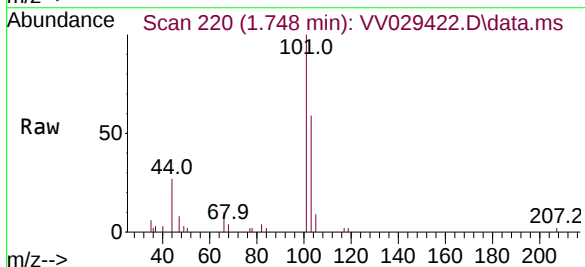
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL01

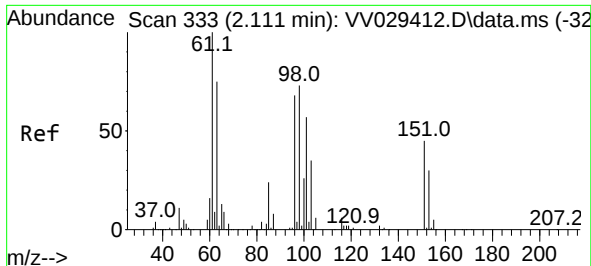
Tgt Ion: 64 Resp: 5095  
Ion Ratio Lower Upper  
64 100  
66 36.1 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 2.145 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. 0.003 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

Tgt Ion:101 Resp: 10920  
Ion Ratio Lower Upper  
101 100  
103 62.0 51.8 77.8

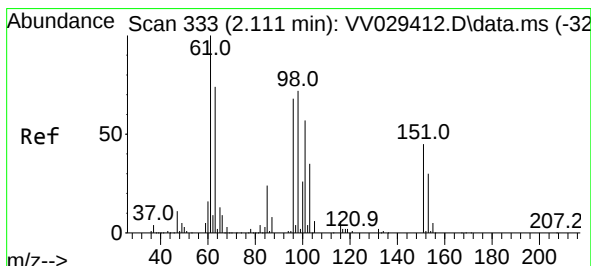
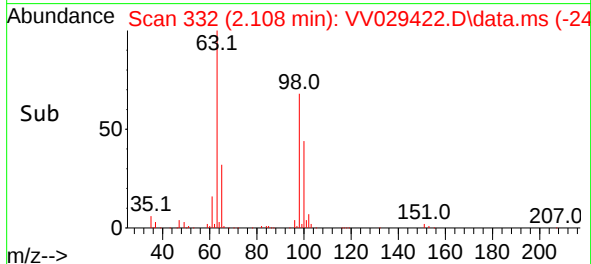
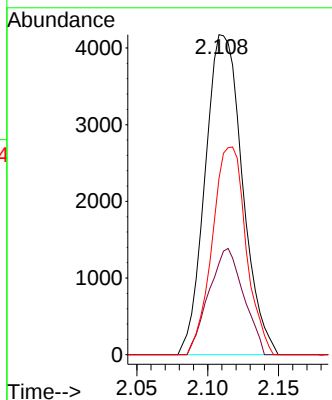
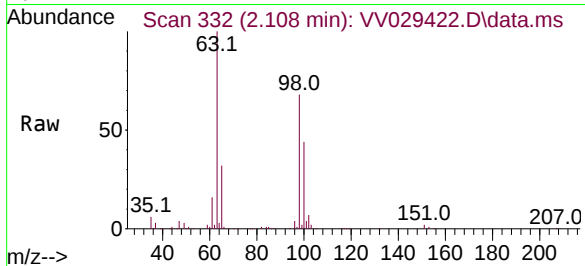




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 2.704 ug/L  
 RT: 2.108 min Scan# 311  
 Delta R.T. -0.003 min  
 Lab File: VV029422.D  
 Acq: 07 Dec 2022 17:10

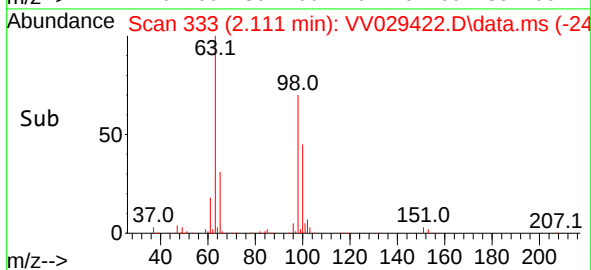
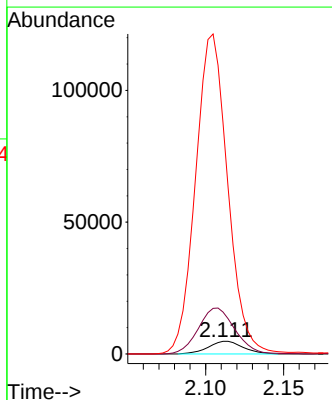
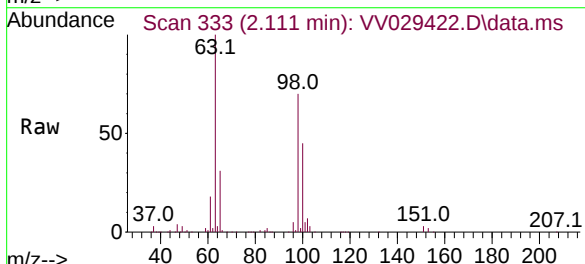
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL01

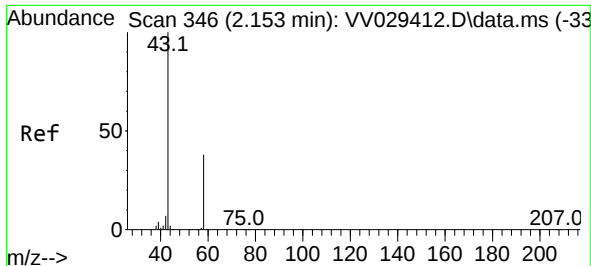
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 Ion Ratio Lower Upper  
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 85 30.9 33.6 50.4#  
 151 58.8 63.5 95.3#



#12  
 1,1-Dichloroethene  
 Concen: 2.565 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. 0.000 min  
 Lab File: VV029422.D  
 Acq: 07 Dec 2022 17:10

Tgt Ion: 96 Resp: 7420  
 Ion Ratio Lower Upper  
 96 100  
 61 332.5 103.3 191.9#  
 63 1832.4 77.3 143.7#





#13

Acetone

Concen: 4.835 ug/L

RT: 2.156 min Scan# 34

Delta R.T. 0.003 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

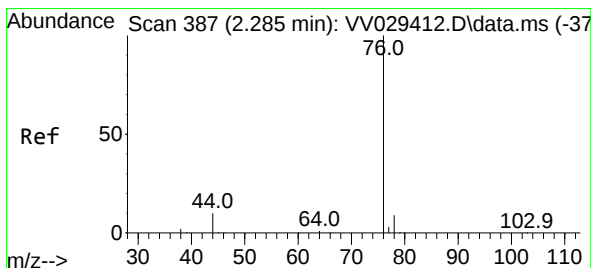
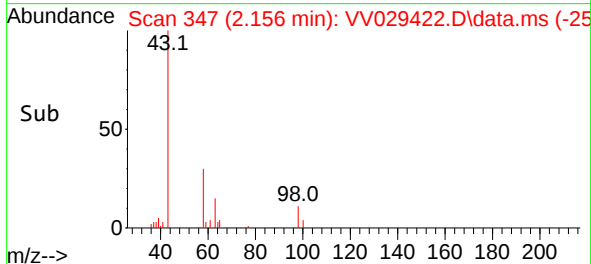
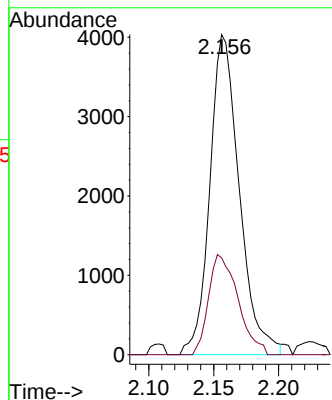
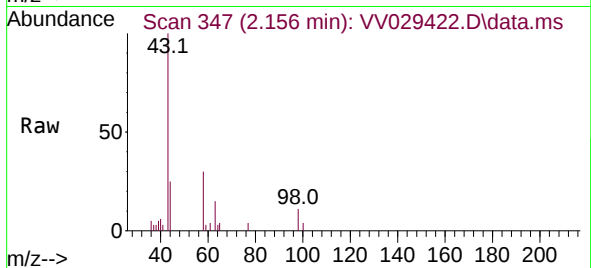
MDL01

Tgt Ion: 43 Resp: 6368

Ion Ratio Lower Upper

43 100

58 31.2 0.0 74.8



#14

Carbon disulfide

Concen: 2.179 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.007 min

Lab File: VV029422.D

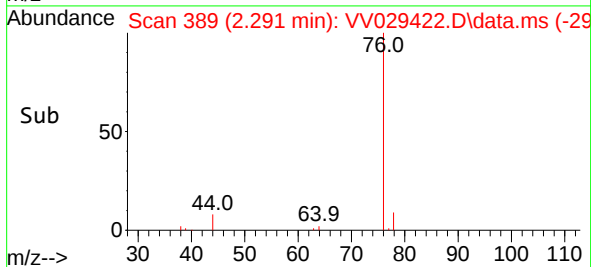
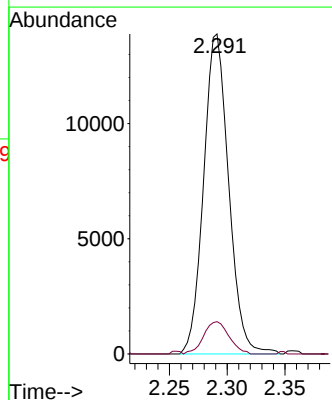
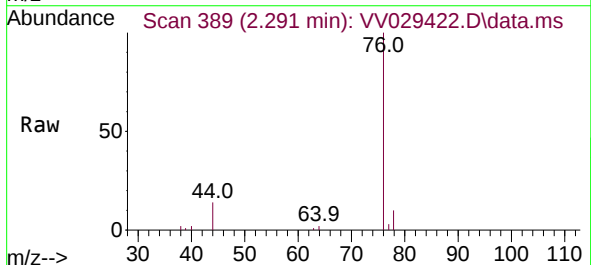
Acq: 07 Dec 2022 17:10

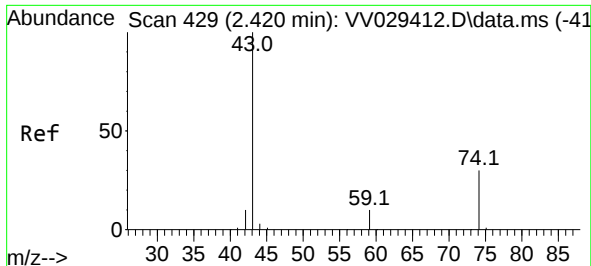
Tgt Ion: 76 Resp: 20979

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.2

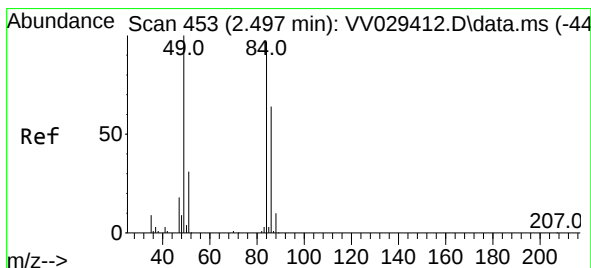
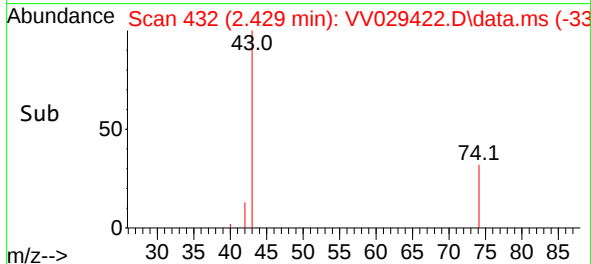
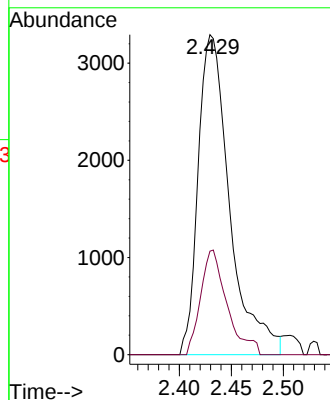
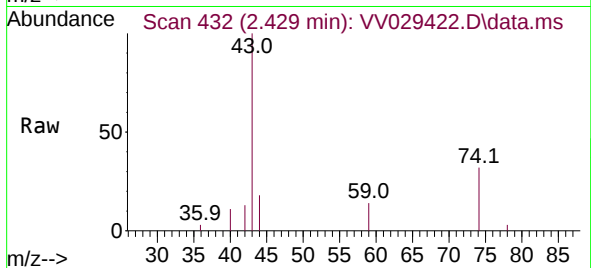




#15  
Methyl Acetate  
Concen: 2.314 ug/L  
RT: 2.429 min Scan# 41  
Delta R.T. 0.010 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

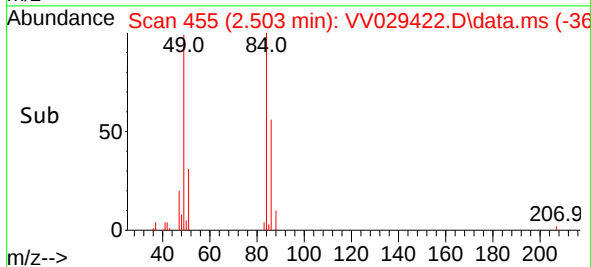
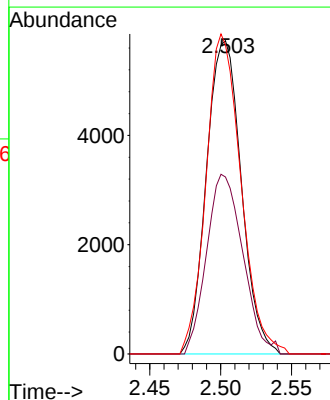
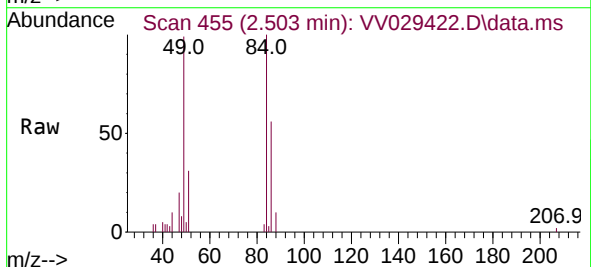
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL01

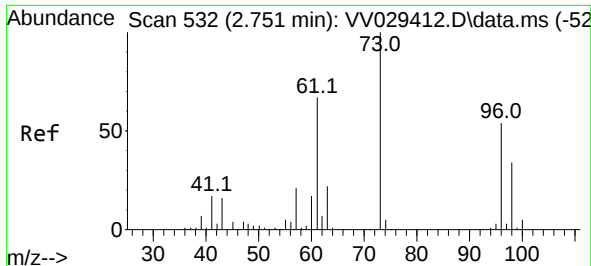
Tgt Ion: 43 Resp: 6944  
Ion Ratio Lower Upper  
43 100  
74 26.6 23.5 35.3



#16  
Methylene chloride  
Concen: 2.723 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. 0.007 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

Tgt Ion: 84 Resp: 9796  
Ion Ratio Lower Upper  
84 100  
86 56.5 46.0 85.4  
49 98.6 72.2 134.0





#17

trans-1,2-Dichloroethene

Concen: 2.008 ug/L

RT: 2.757 min Scan# 51

Delta R.T. 0.007 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

MDL01

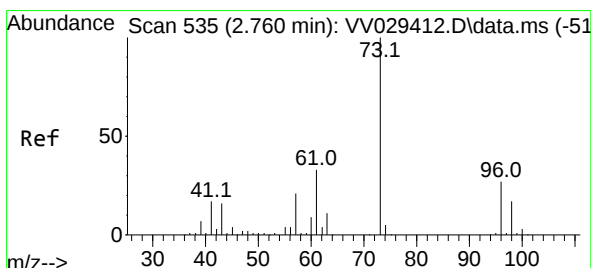
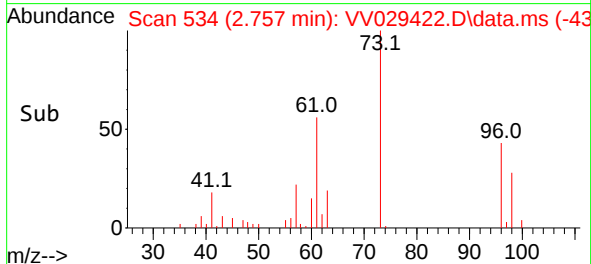
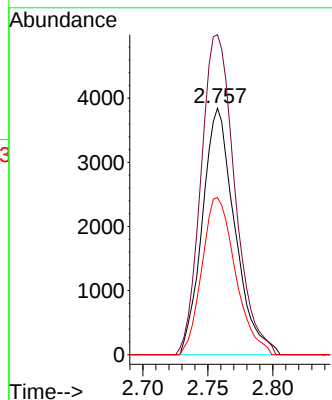
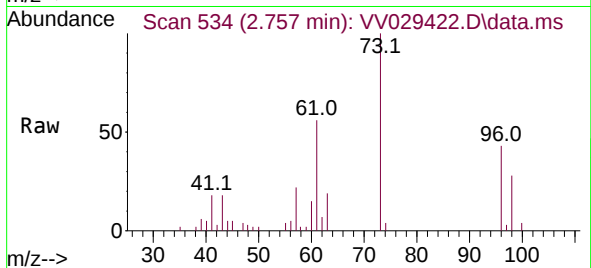
Tgt Ion: 96 Resp: 6695

Ion Ratio Lower Upper

96 100

61 129.8 86.4 160.4

98 63.7 43.4 80.6



#18

Methyl tert-butyl Ether

Concen: 2.116 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.003 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

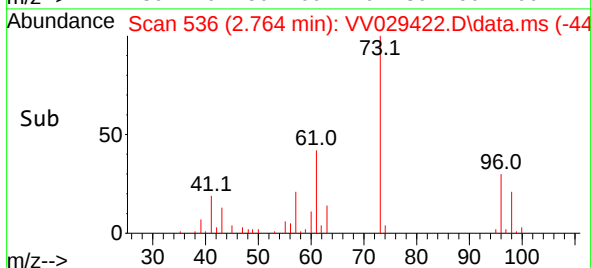
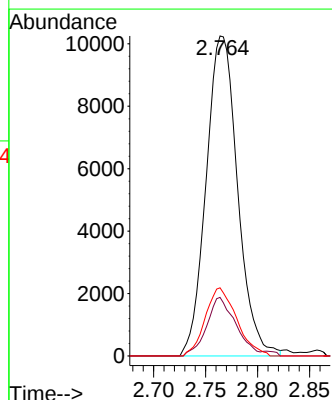
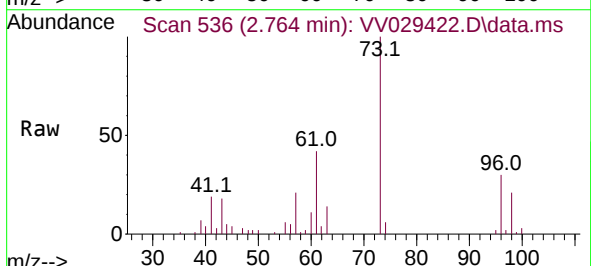
Tgt Ion: 73 Resp: 21615

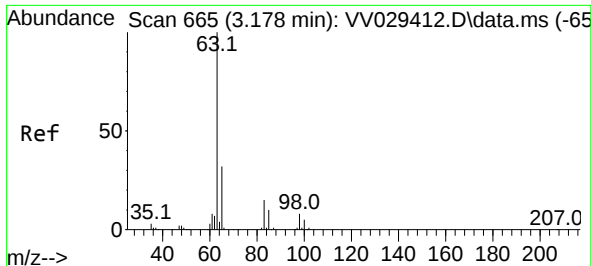
Ion Ratio Lower Upper

73 100

43 16.8 12.7 19.1

57 21.2 16.7 25.1

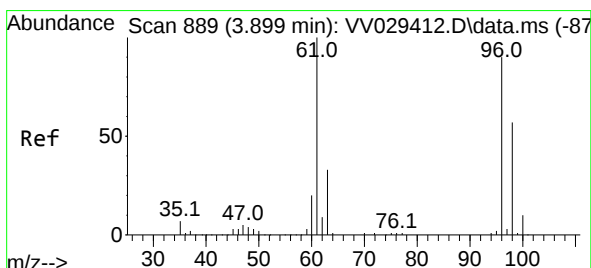
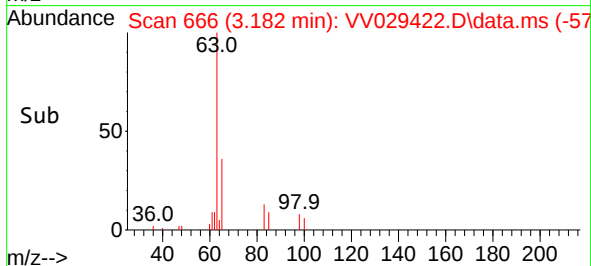
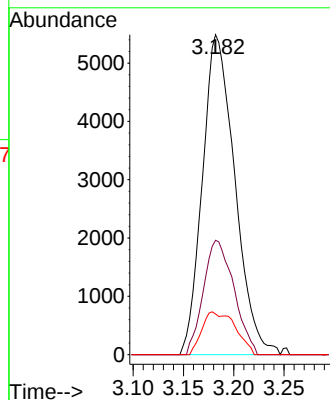
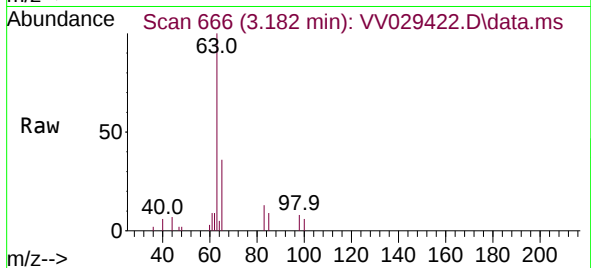




#19  
1,1-Dichloroethane  
Concen: 2.154 ug/L  
RT: 3.182 min Scan# 665  
Delta R.T. 0.003 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

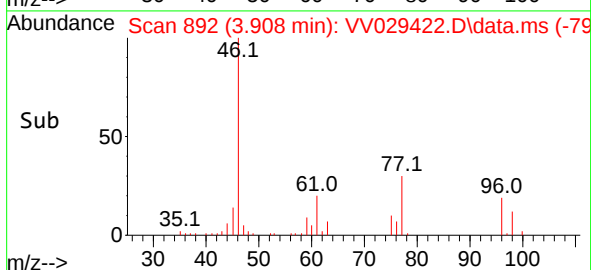
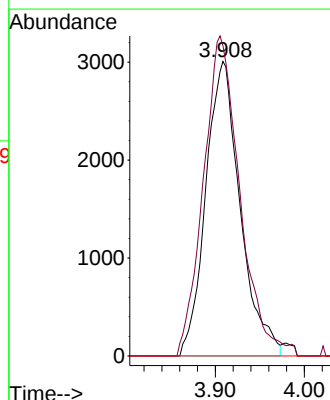
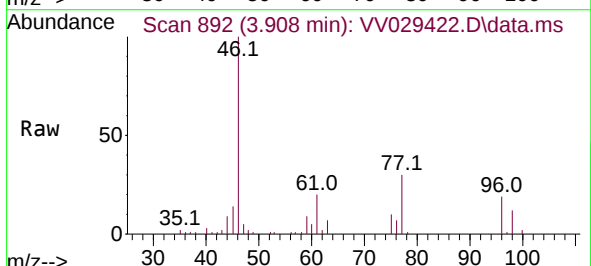
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL01

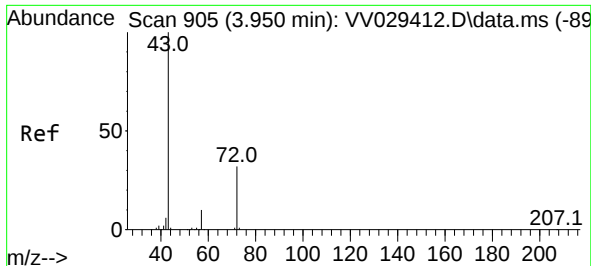
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 12299 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 35.7     | 22.5 41.7   |
| 83 12.7     | 10.4 19.2   |



#20  
cis-1,2-Dichloroethene  
Concen: 2.206 ug/L  
RT: 3.908 min Scan# 892  
Delta R.T. 0.010 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 8088  |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 105.4    | 78.0 144.9  |
| 68 0.0      | 0.0 0.0     |





#22

2-Butanone

Concen: 4.214 ug/L

RT: 3.979 min Scan# 914

Delta R.T. 0.029 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

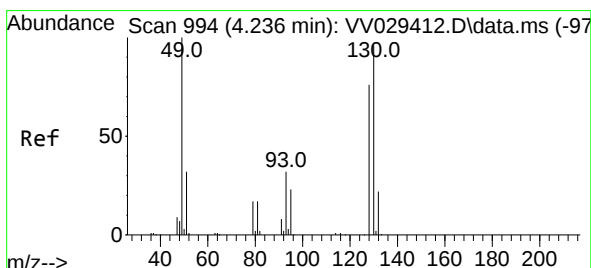
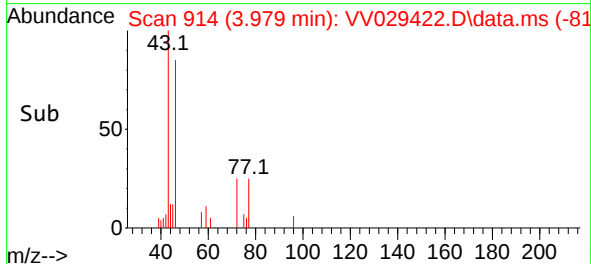
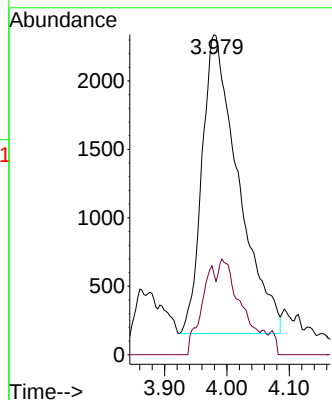
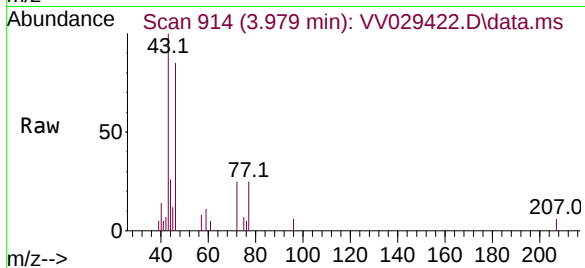
MDL01

Tgt Ion: 43 Resp: 8832

Ion Ratio Lower Upper

43 100

72 12.1 15.9 47.6#



#23

Bromochloromethane

Concen: 1.908 ug/L

RT: 4.246 min Scan# 997

Delta R.T. 0.010 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Tgt Ion:128 Resp: 3602

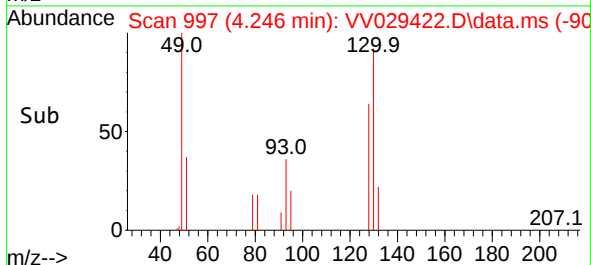
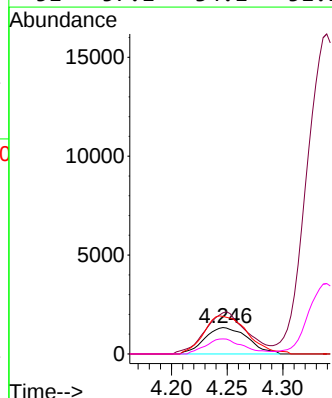
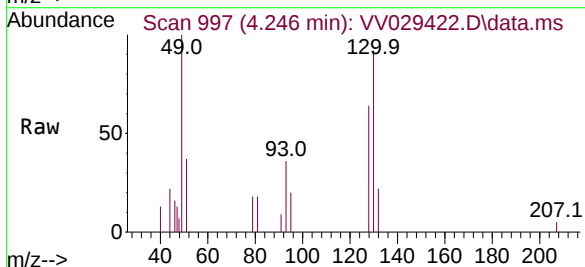
Ion Ratio Lower Upper

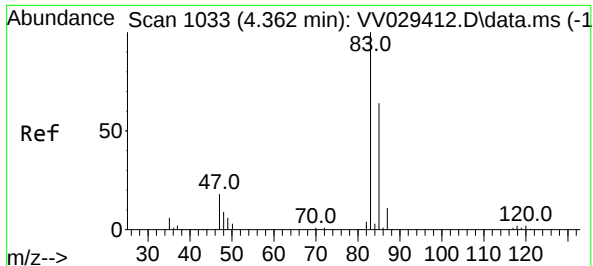
128 100

49 155.2 92.2 171.2

130 142.3 88.3 164.1

51 57.1 34.1 51.1#





#25

Chloroform

Concen: 2.148 ug/L

RT: 4.365 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

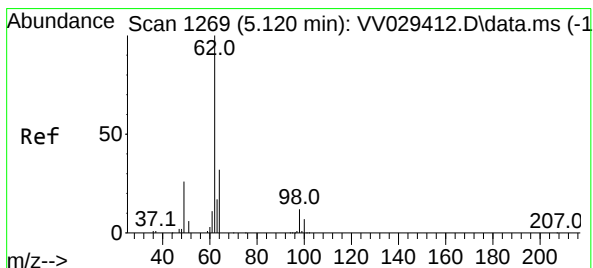
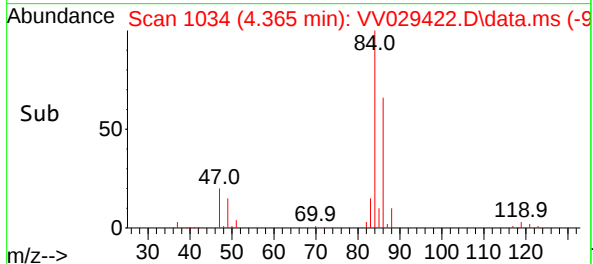
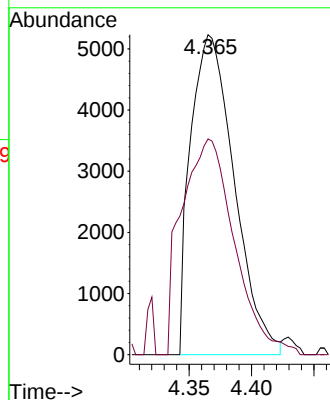
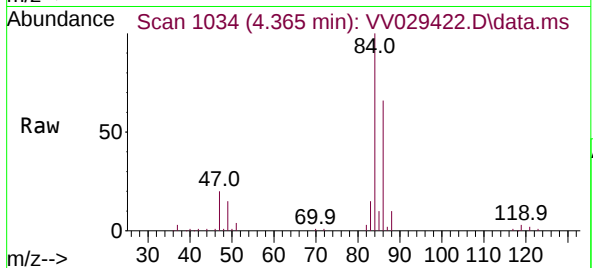
MDL01

Tgt Ion: 83 Resp: 12717

Ion Ratio Lower Upper

83 100

85 67.4 45.1 83.9



#27

1,2-Dichloroethane

Concen: 2.293 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.010 min

Lab File: VV029422.D

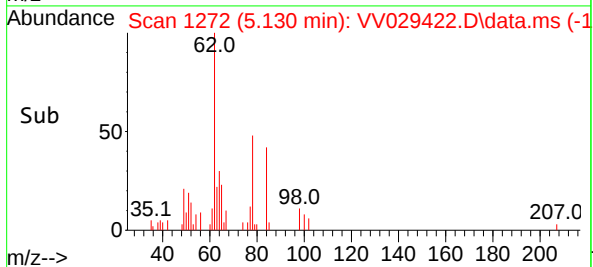
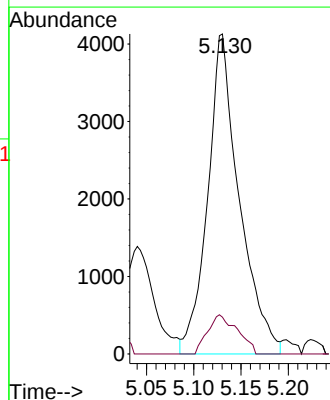
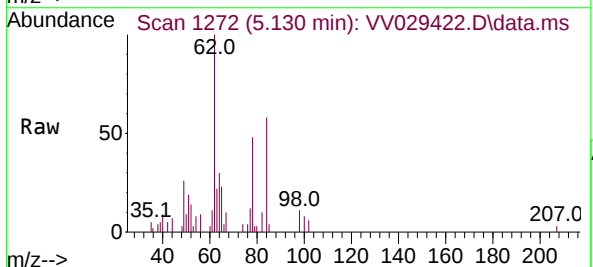
Acq: 07 Dec 2022 17:10

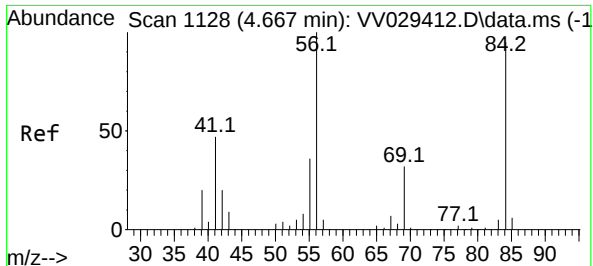
Tgt Ion: 62 Resp: 9588

Ion Ratio Lower Upper

62 100

98 11.5 9.4 14.0





#29

Cyclohexane

Concen: 2.206 ug/L

RT: 4.670 min Scan# 1128

Delta R.T. 0.003 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

MDL01

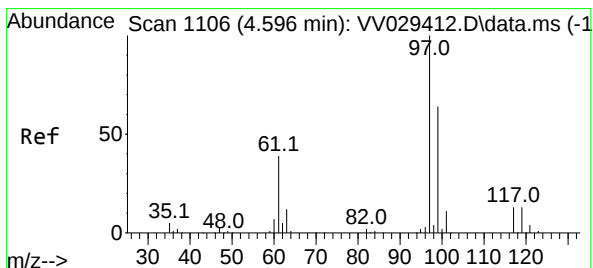
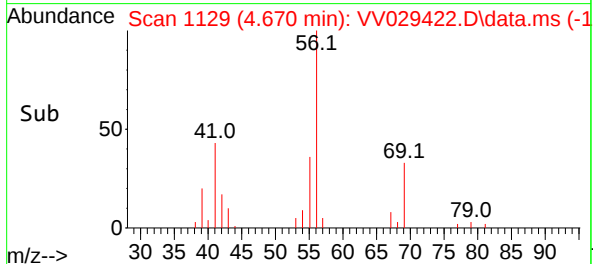
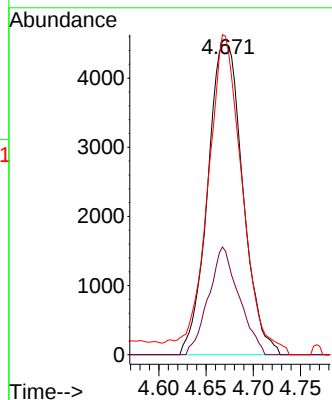
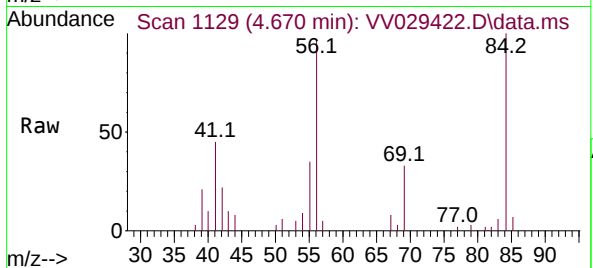
Tgt Ion: 56 Resp: 11632

Ion Ratio Lower Upper

56 100

69 30.0 25.8 38.8

84 100.2 76.6 114.8



#30

1,1,1-Trichloroethane

Concen: 2.093 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.007 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

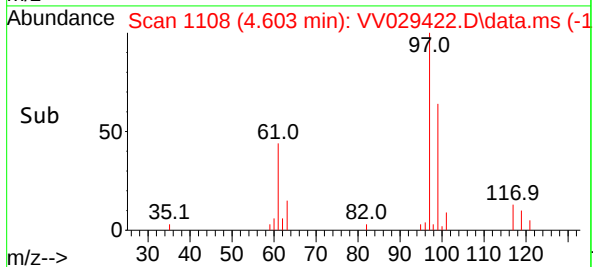
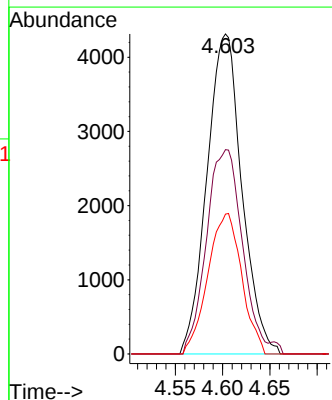
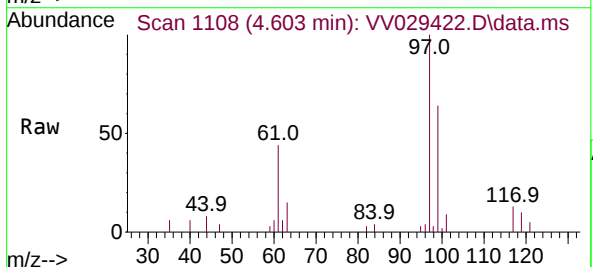
Tgt Ion: 97 Resp: 11101

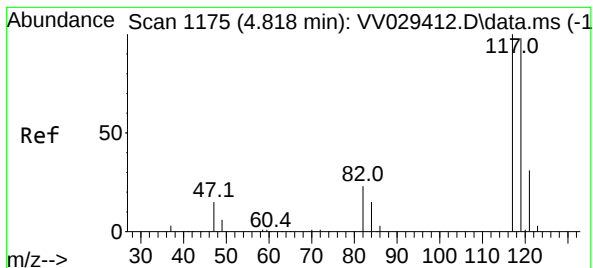
Ion Ratio Lower Upper

97 100

99 65.1 52.1 78.1

61 42.4 31.8 47.8





#31

Carbon tetrachloride

Concen: 2.144 ug/L

RT: 4.822 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

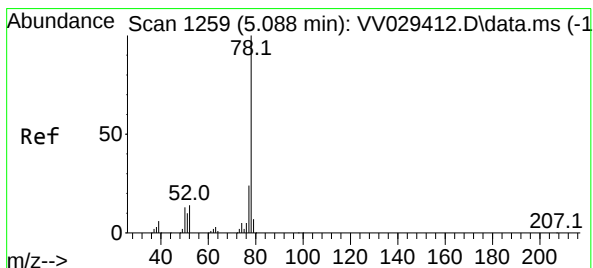
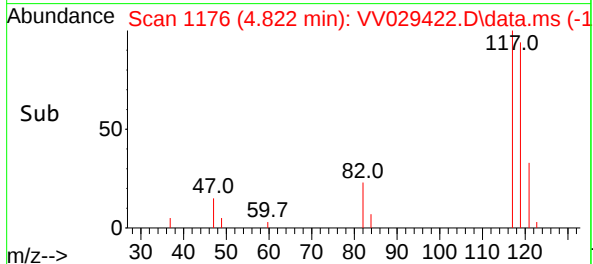
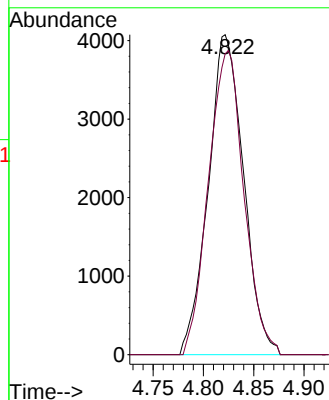
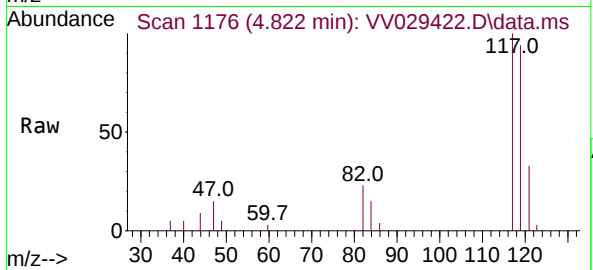
MDL01

Tgt Ion:117 Resp: 9931

Ion Ratio Lower Upper

117 100

119 95.7 76.7 115.1



#33

Benzene

Concen: 2.091 ug/L

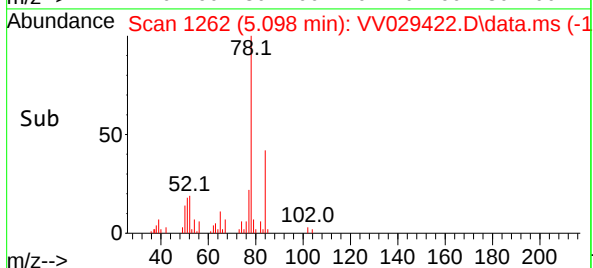
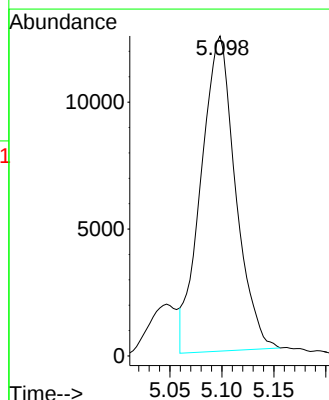
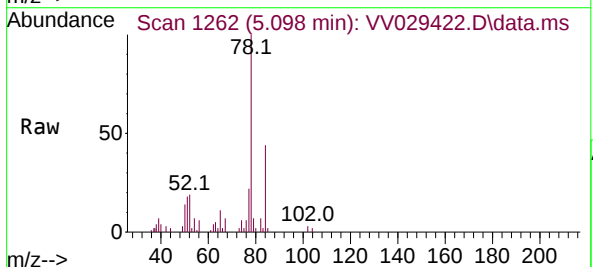
RT: 5.098 min Scan# 1262

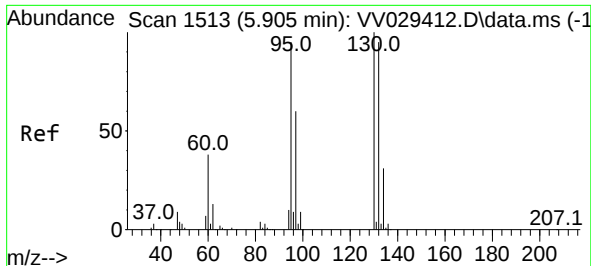
Delta R.T. 0.010 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Tgt Ion: 78 Resp: 28697

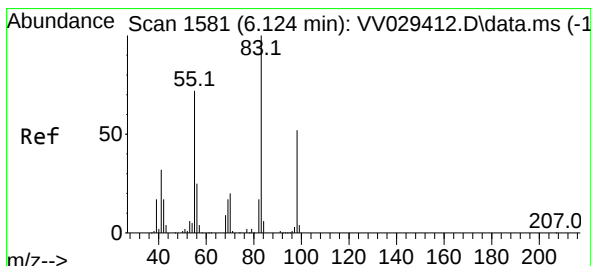
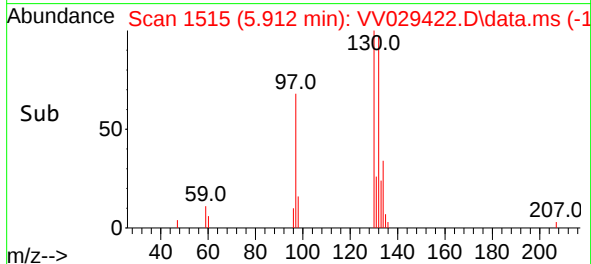
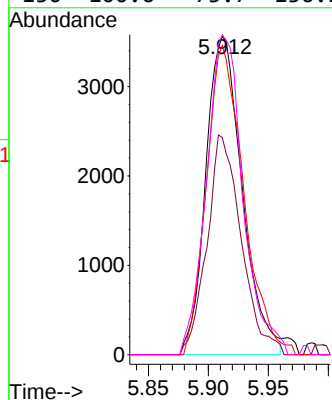
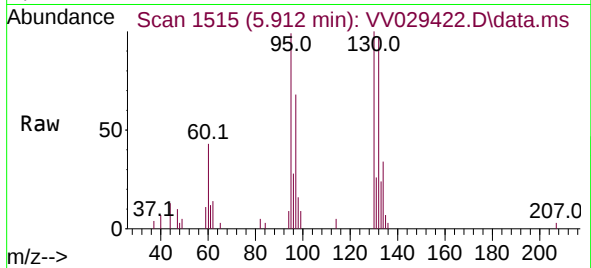




#34  
Trichloroethene  
Concen: 2.183 ug/L  
RT: 5.912 min Scan# 1515  
Delta R.T. 0.007 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

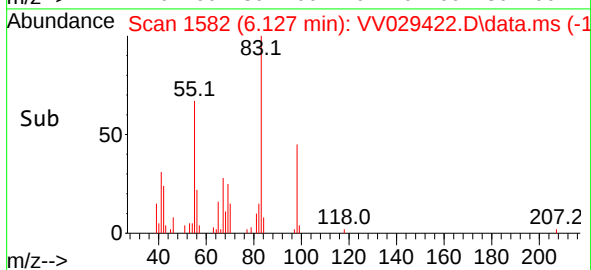
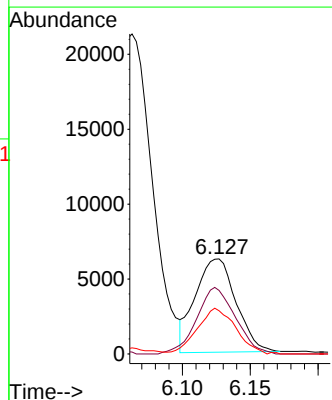
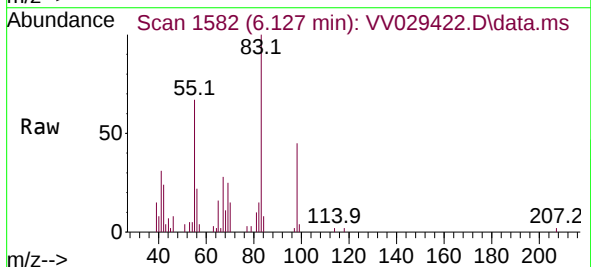
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL01

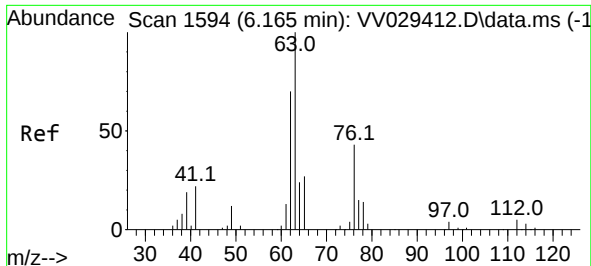
|             |             |
|-------------|-------------|
| Tgt Ion: 95 | Resp: 7506  |
| Ion Ratio   | Lower Upper |
| 95 100      |             |
| 97 68.3     | 44.0 81.8   |
| 132 97.2    | 69.9 129.9  |
| 130 100.6   | 73.7 136.9  |



#35  
Methylcyclohexane  
Concen: 2.235 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. 0.003 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 13050 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 67.6     | 55.5 83.3   |
| 98 46.0     | 39.8 59.8   |





#37

1,2-Dichloropropane

Concen: 2.254 ug/L

RT: 6.172 min Scan# 11

Delta R.T. 0.007 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

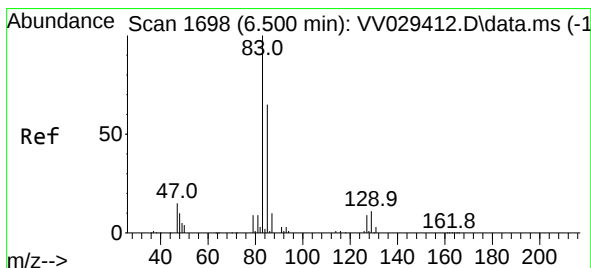
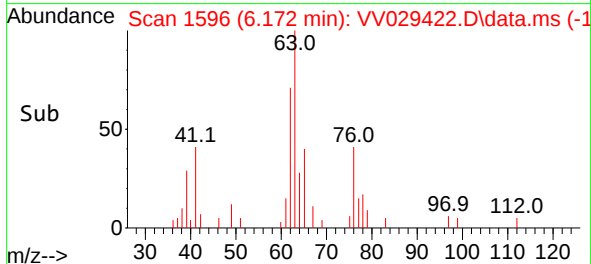
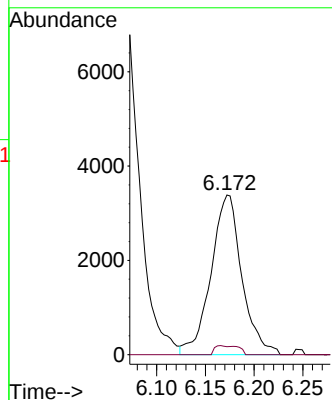
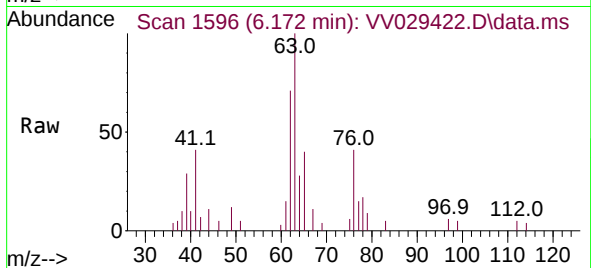
MDL01

Tgt Ion: 63 Resp: 7465

Ion Ratio Lower Upper

63 100

112 2.3 3.9 5.9#



#38

Bromodichloromethane

Concen: 2.108 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.007 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

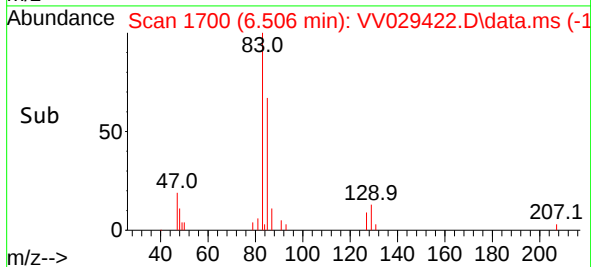
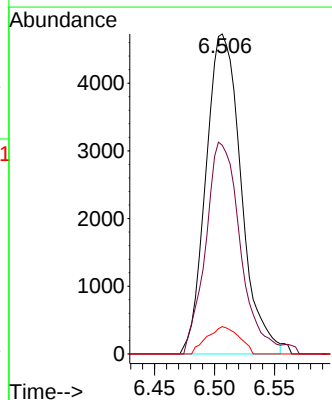
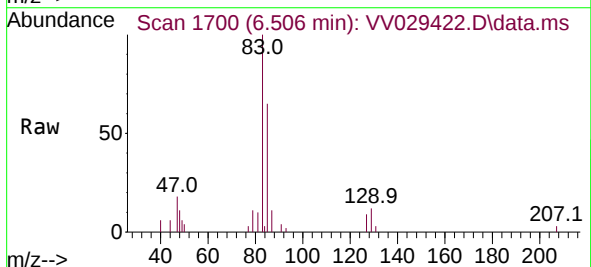
Tgt Ion: 83 Resp: 9639

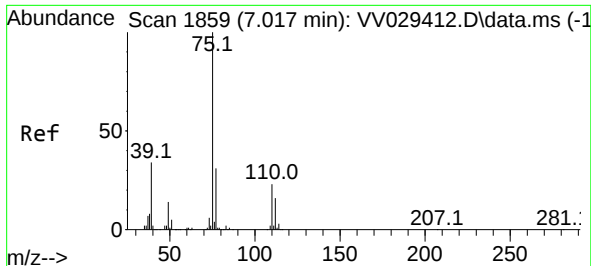
Ion Ratio Lower Upper

83 100

85 65.2 45.3 84.1

127 8.5 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 2.008 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.010 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

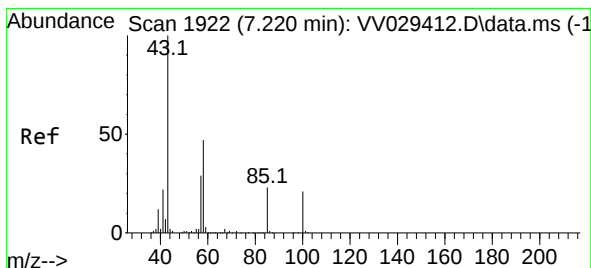
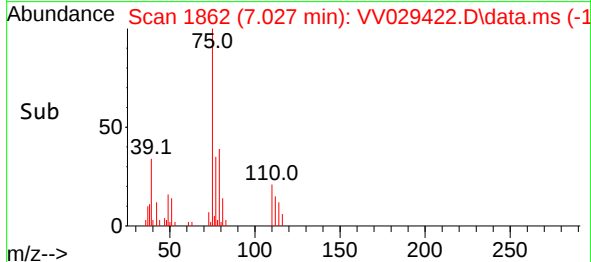
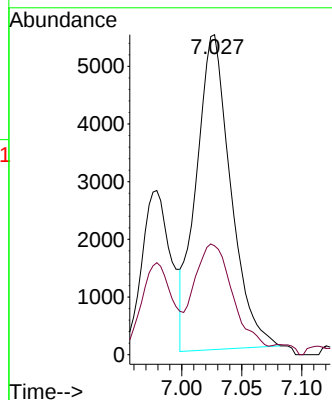
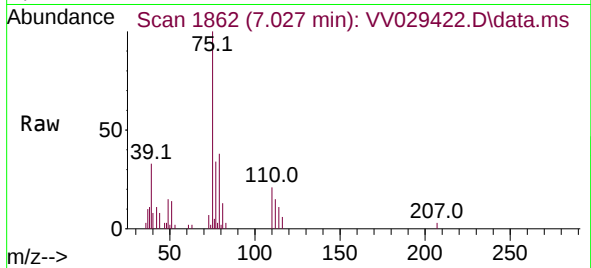
MDL01

Tgt Ion: 75 Resp: 10940

Ion Ratio Lower Upper

75 100

77 34.0 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 4.353 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.007 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

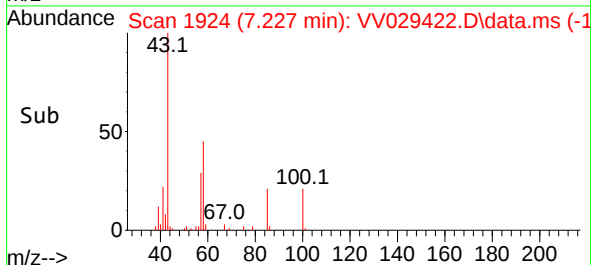
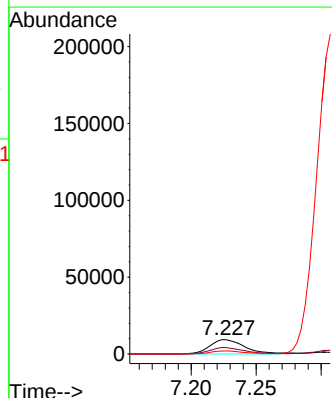
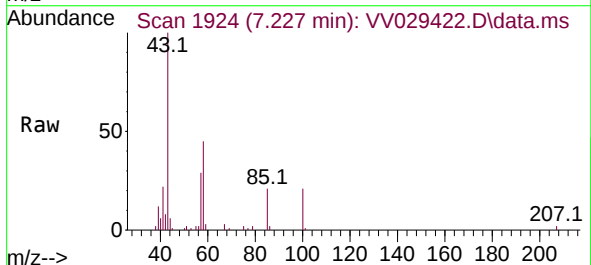
Tgt Ion: 43 Resp: 17191

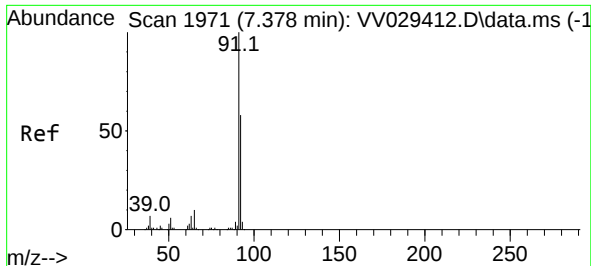
Ion Ratio Lower Upper

43 100

58 44.1 37.5 56.3

100 21.6 16.7 25.1





#42

Toluene

Concen: 2.174 ug/L

RT: 7.384 min Scan# 1971

Delta R.T. 0.007 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

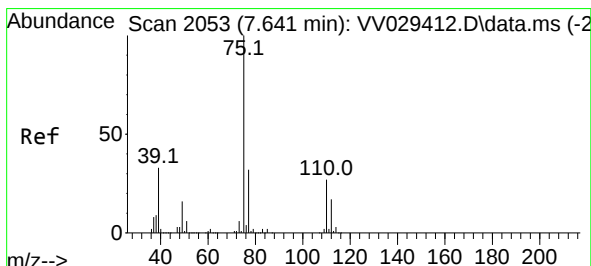
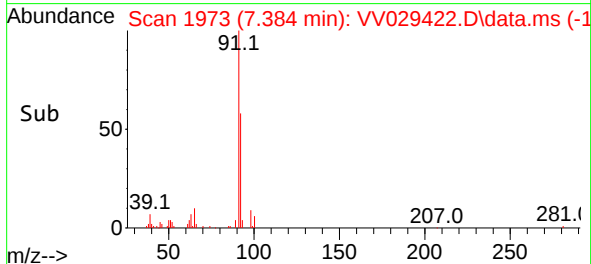
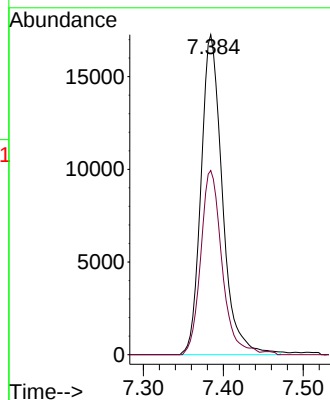
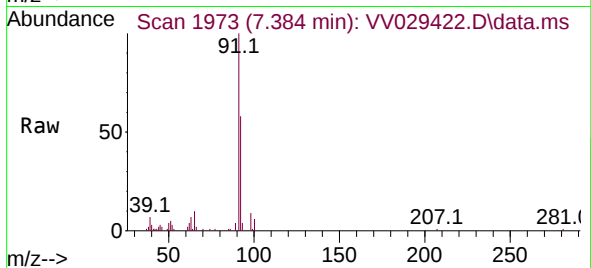
MDL01

Tgt Ion: 91 Resp: 32105

Ion Ratio Lower Upper

91 100

92 57.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 1.992 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.007 min

Lab File: VV029422.D

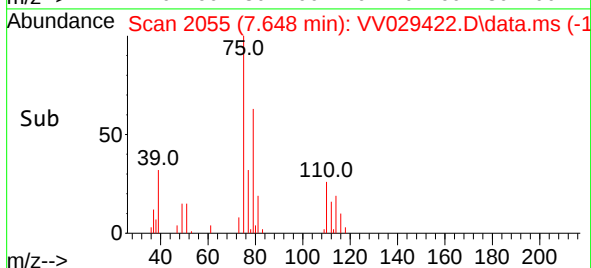
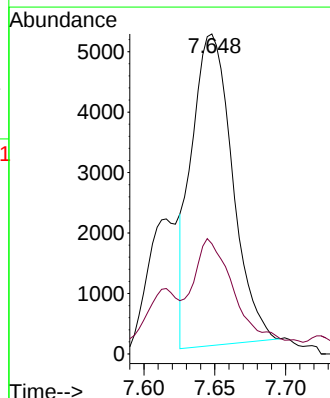
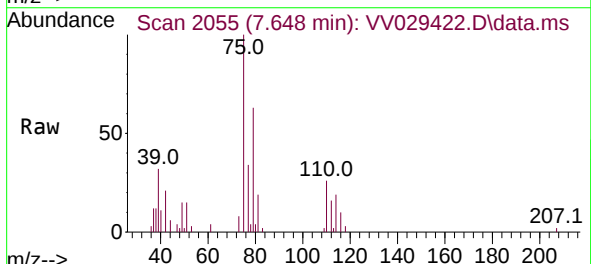
Acq: 07 Dec 2022 17:10

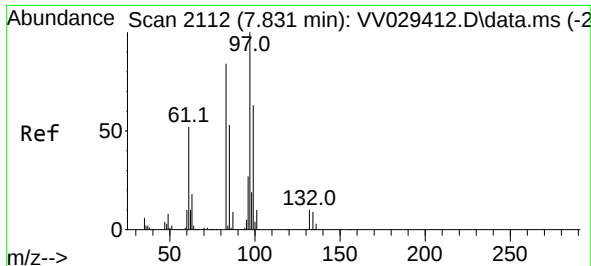
Tgt Ion: 75 Resp: 10275

Ion Ratio Lower Upper

75 100

77 34.4 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 2.068 ug/L

RT: 7.834 min Scan# 2112

Delta R.T. 0.003 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

MDL01

Tgt Ion: 97 Resp: 7076

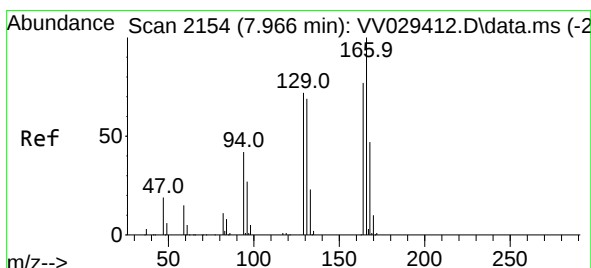
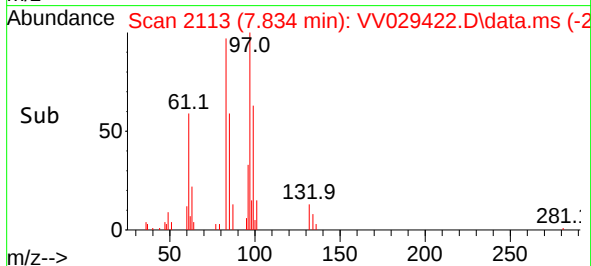
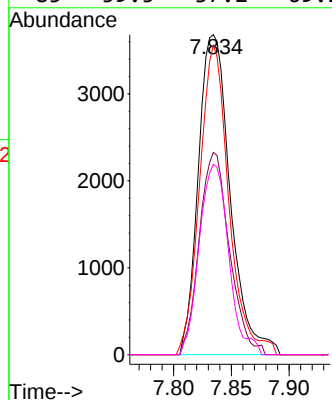
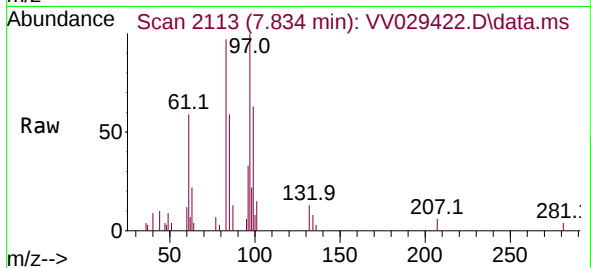
Ion Ratio Lower Upper

97 100

99 63.2 43.8 81.3

83 96.6 58.6 108.8

85 59.5 37.2 69.2



#46

Tetrachloroethene

Concen: 2.127 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Tgt Ion:164 Resp: 5880

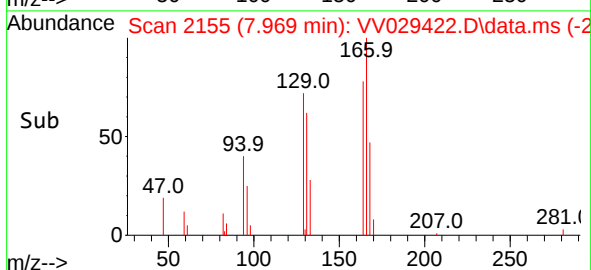
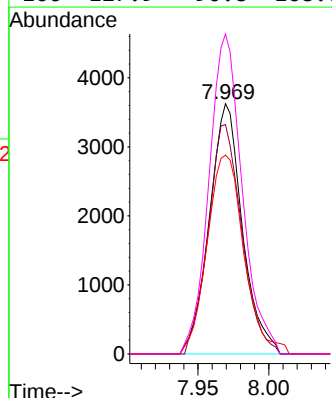
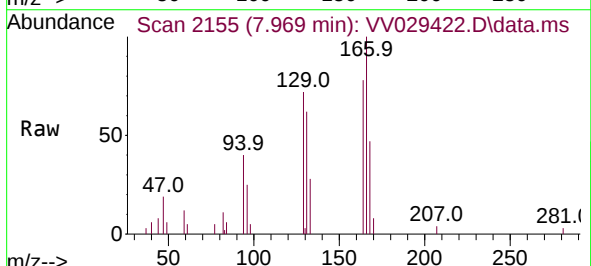
Ion Ratio Lower Upper

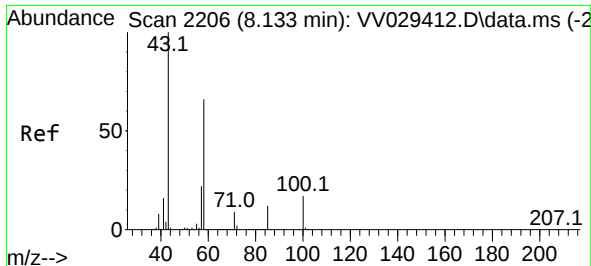
164 100

129 91.7 65.3 121.3

131 79.5 63.1 117.1

166 127.9 90.8 168.6

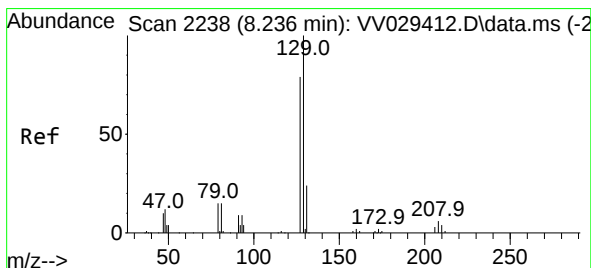
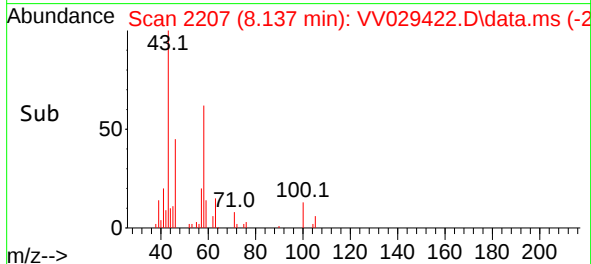
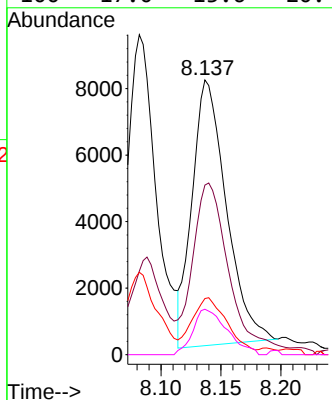
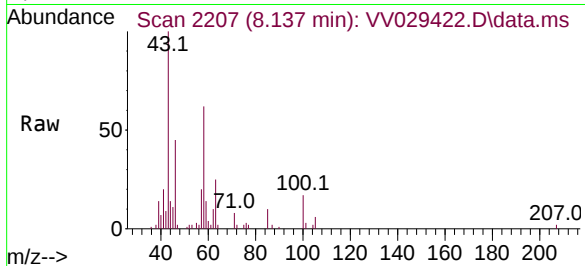




#48  
2-Hexanone  
Concen: 5.250 ug/L  
RT: 8.137 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

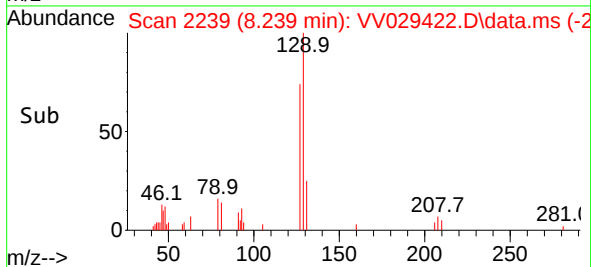
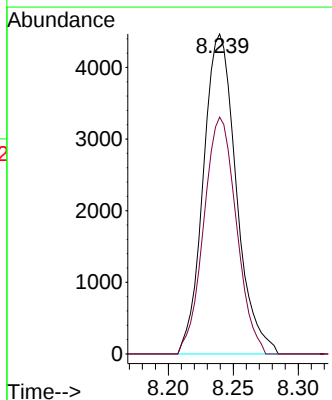
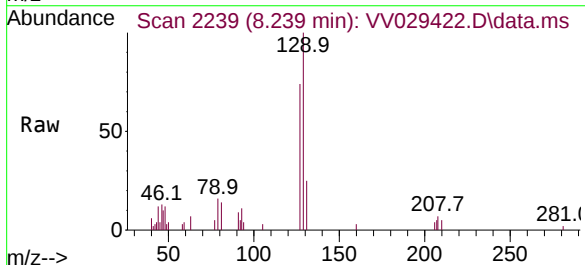
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL01

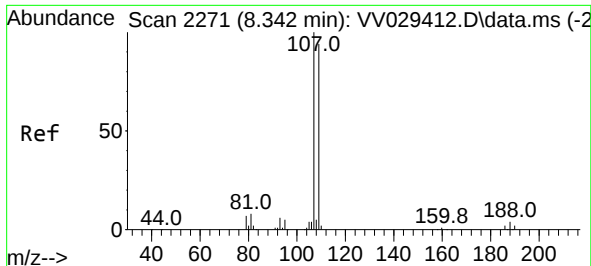
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 15838 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 64.1  | 54.1  | 81.1  |
| 57       | 22.4  | 17.4  | 26.0  |
| 100      | 17.0  | 13.6  | 20.4  |



#49  
Dibromochloromethane  
Concen: 2.083 ug/L  
RT: 8.239 min Scan# 2239  
Delta R.T. 0.003 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 7868  |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 74.0  | 55.2  | 102.4 |

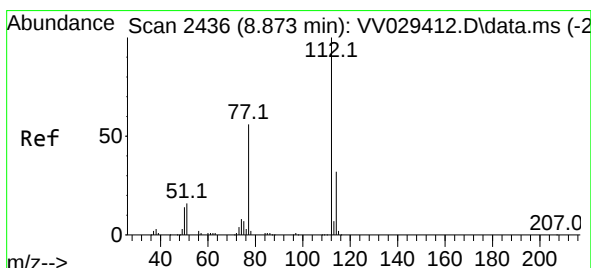
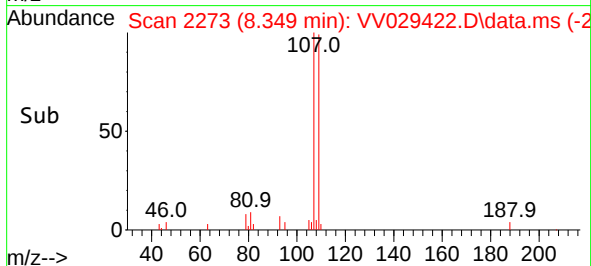
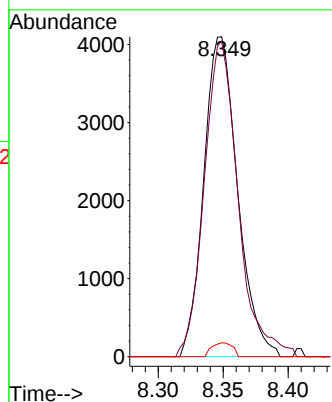
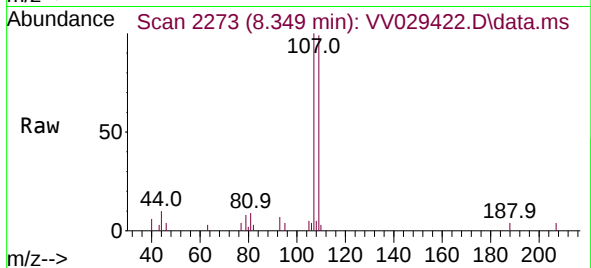




#50  
 1,2-Dibromoethane  
 Concen: 2.108 ug/L  
 RT: 8.349 min Scan# 21  
 Delta R.T. 0.007 min  
 Lab File: VV029422.D  
 Acq: 07 Dec 2022 17:10

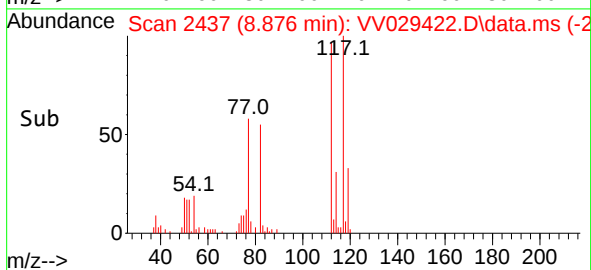
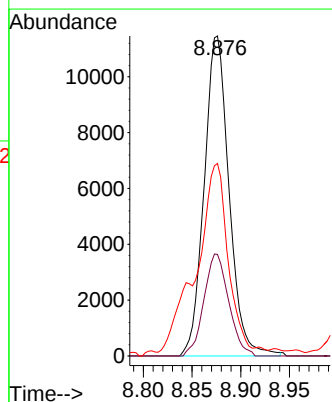
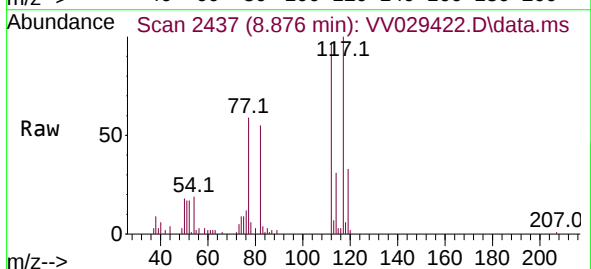
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL01

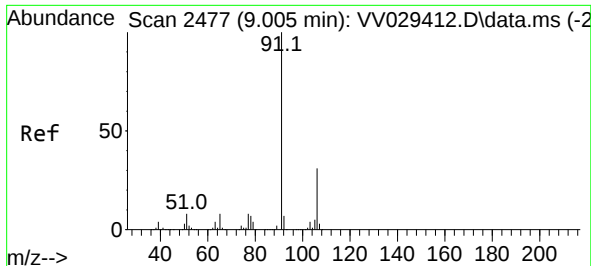
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 7431  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 98.6  | 66.0  | 122.6 |
| 188      | 4.3   | 3.2   | 4.8   |



#51  
 Chlorobenzene  
 Concen: 2.180 ug/L  
 RT: 8.876 min Scan# 2437  
 Delta R.T. 0.003 min  
 Lab File: VV029422.D  
 Acq: 07 Dec 2022 17:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 20391 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 31.7  | 22.3  | 41.3  |
| 77       | 60.1  | 45.0  | 67.4  |





#52

Ethylbenzene

Concen: 2.055 ug/L

RT: 9.005 min Scan# 2477

Delta R.T. 0.000 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

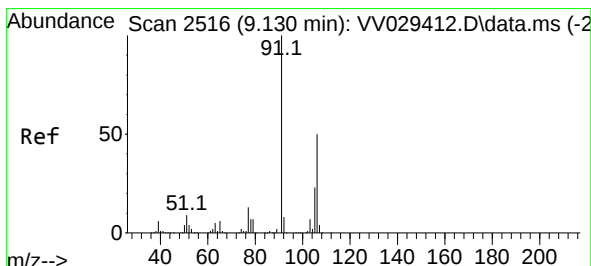
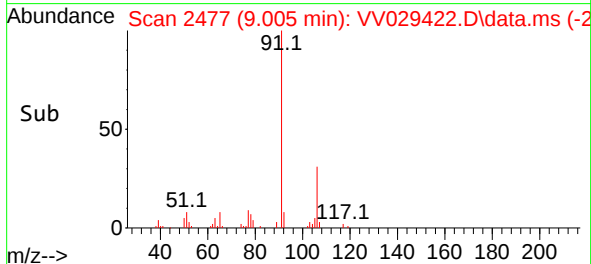
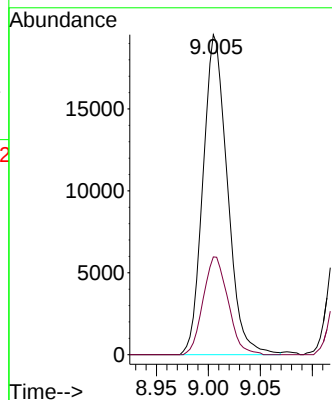
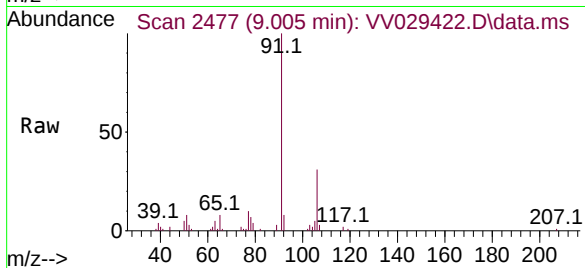
MDL01

Tgt Ion: 91 Resp: 31908

Ion Ratio Lower Upper

91 100

106 30.6 21.8 40.6



#53

m,p-Xylene

Concen: 2.023 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.003 min

Lab File: VV029422.D

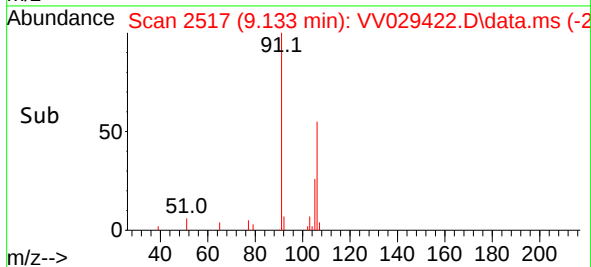
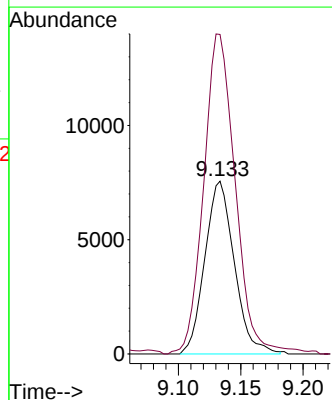
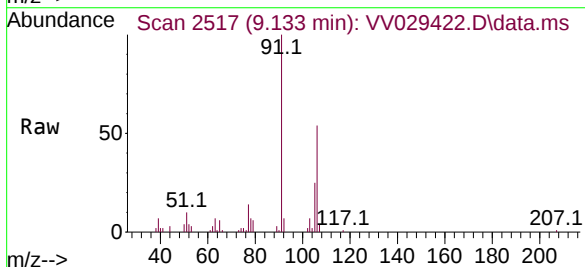
Acq: 07 Dec 2022 17:10

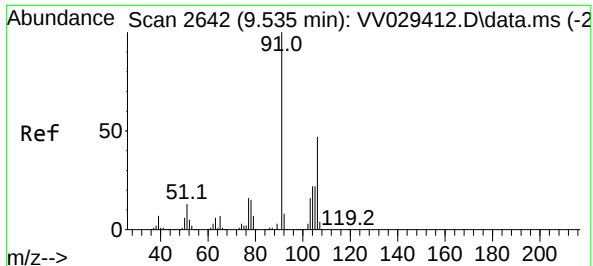
Tgt Ion: 106 Resp: 12435

Ion Ratio Lower Upper

106 100

91 185.0 139.5 259.1

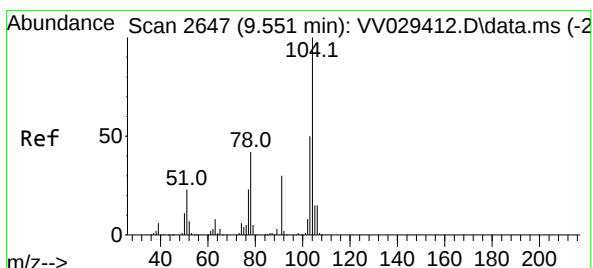
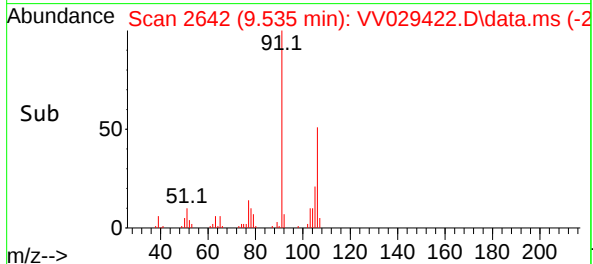
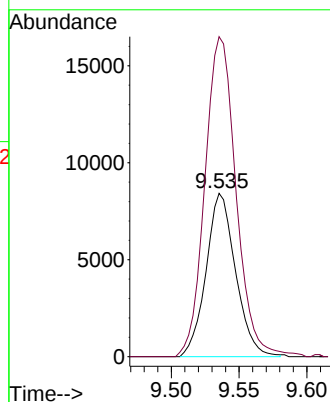
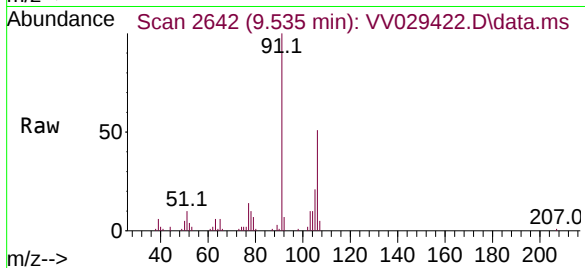




#54  
o-Xylene  
Concen: 2.095 ug/L  
RT: 9.535 min Scan# 2642  
Delta R.T. 0.000 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

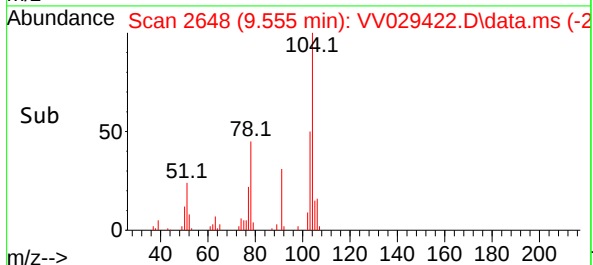
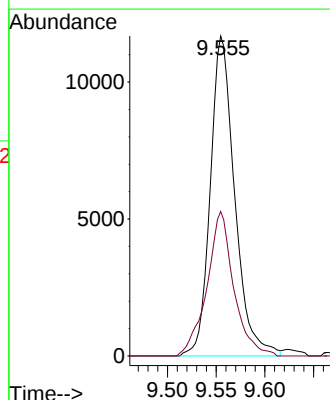
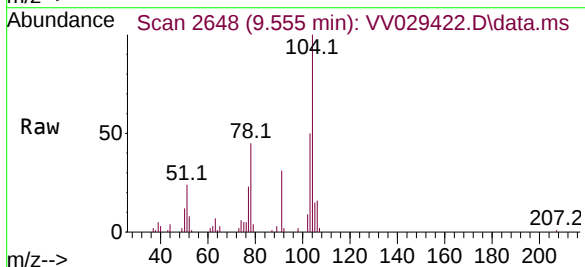
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL01

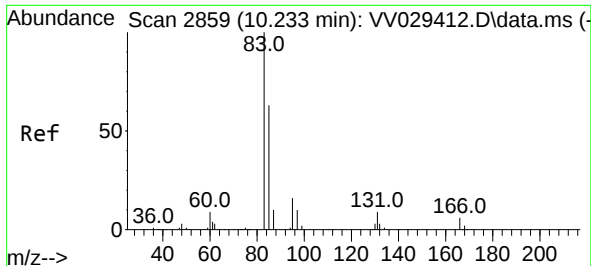
Tgt Ion:106 Resp: 12737  
Ion Ratio Lower Upper  
106 100  
91 195.8 148.0 274.8



#55  
Styrene  
Concen: 1.925 ug/L  
RT: 9.555 min Scan# 2648  
Delta R.T. 0.003 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

Tgt Ion:104 Resp: 20336  
Ion Ratio Lower Upper  
104 100  
78 45.2 29.4 54.6

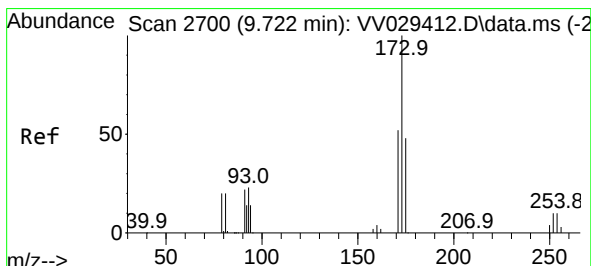
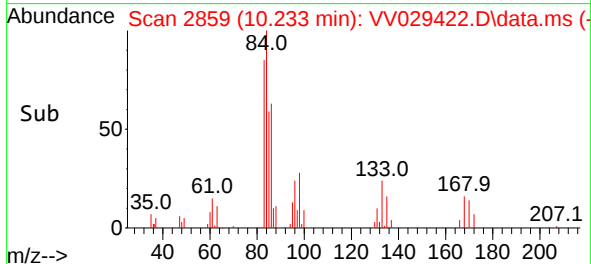
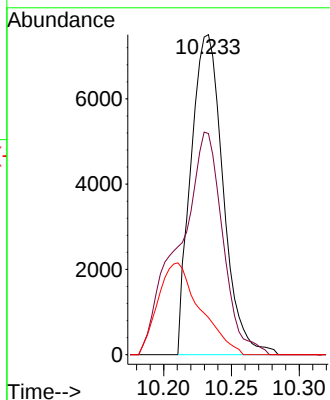
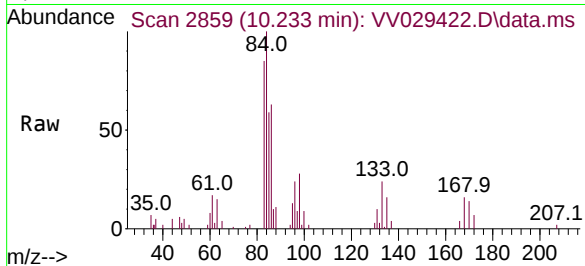




#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.268 ug/L  
RT: 10.233 min Scan# 2859  
Delta R.T. 0.000 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

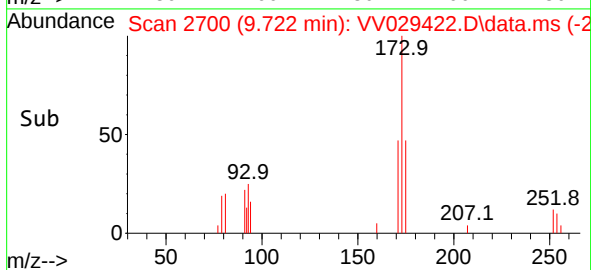
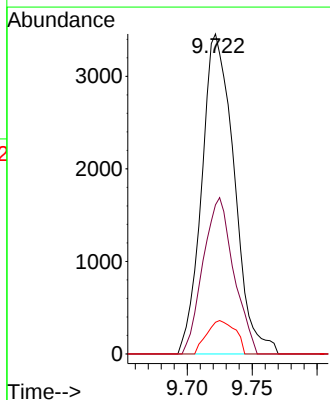
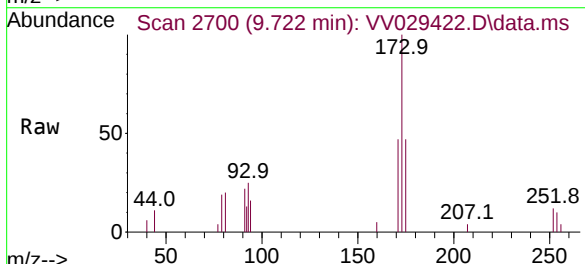
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL01

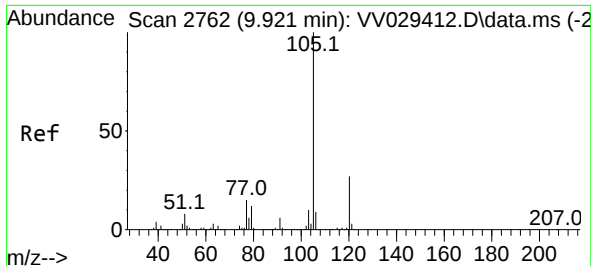
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 12411 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 69.1  | 45.7  | 84.9  |
| 131       | 11.6  | 7.9   | 11.9  |



#59  
Bromoform  
Concen: 2.171 ug/L  
RT: 9.722 min Scan# 2700  
Delta R.T. 0.000 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 5986 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 46.3  | 38.4  | 57.6 |
| 254       | 9.2   | 7.8   | 11.8 |

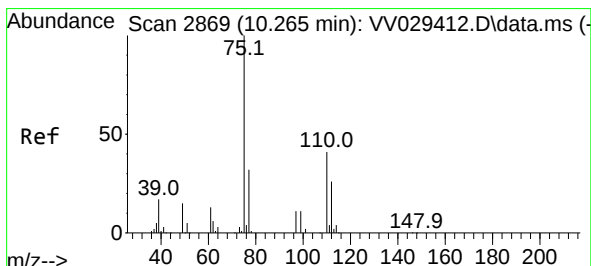
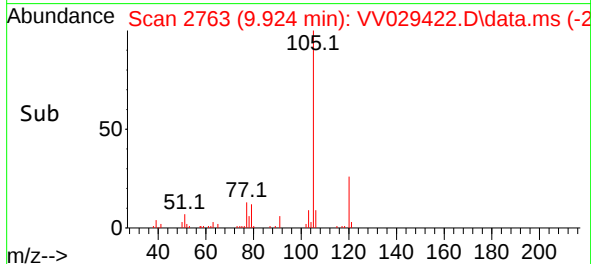
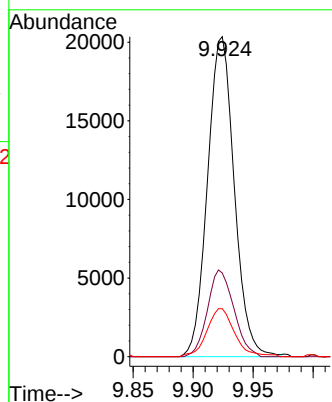
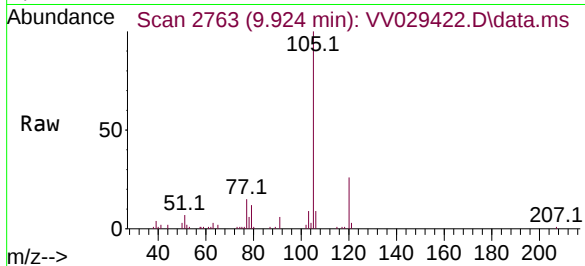




#60  
Isopropylbenzene  
Concen: 2.153 ug/L  
RT: 9.924 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

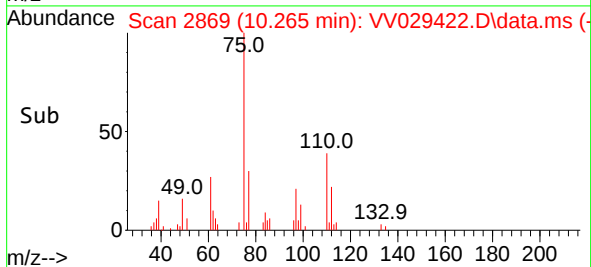
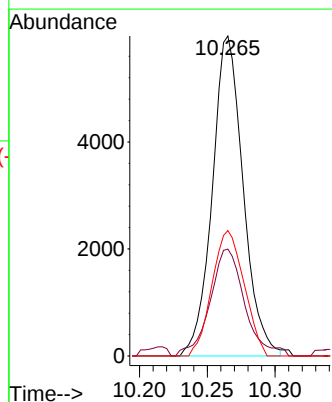
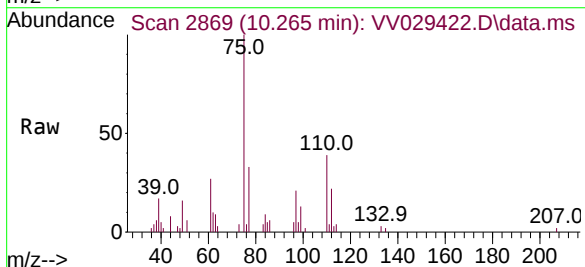
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL01

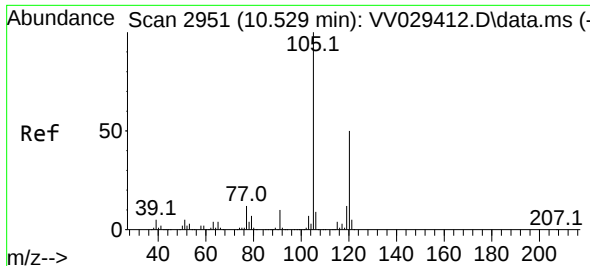
Tgt Ion:105 Resp: 31542  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.1 31.7  
77 15.4 11.6 17.4



#61  
1,2,3-Trichloropropane  
Concen: 2.461 ug/L  
RT: 10.265 min Scan# 2869  
Delta R.T. 0.000 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

Tgt Ion: 75 Resp: 9480  
Ion Ratio Lower Upper  
75 100  
77 36.5 25.4 38.2  
110 40.6 32.7 49.1





#62

1,3,5-Trimethylbenzene

Concen: 2.119 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

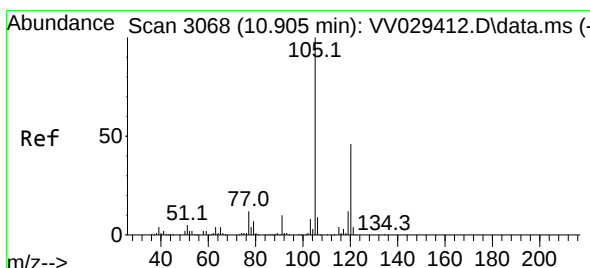
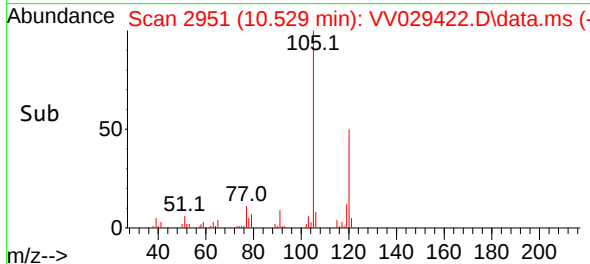
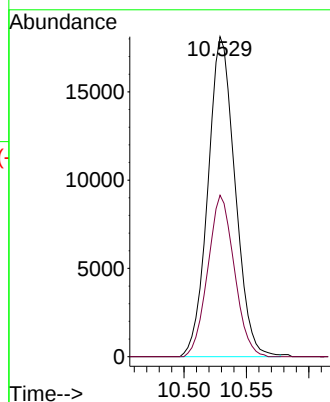
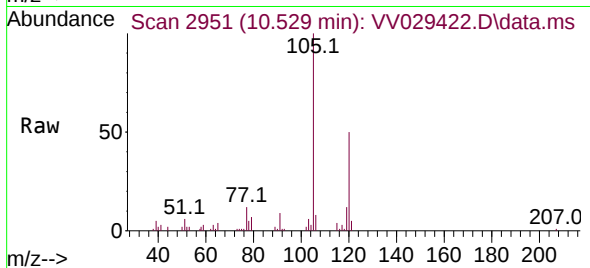
MDL01

Tgt Ion:105 Resp: 27457

Ion Ratio Lower Upper

105 100

120 49.1 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 2.109 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV029422.D

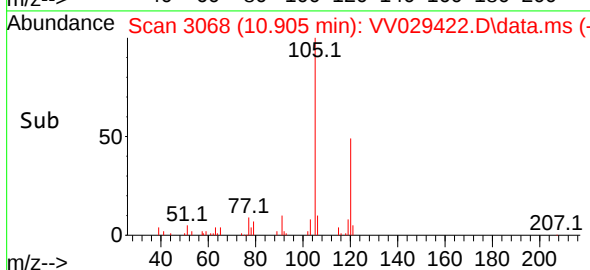
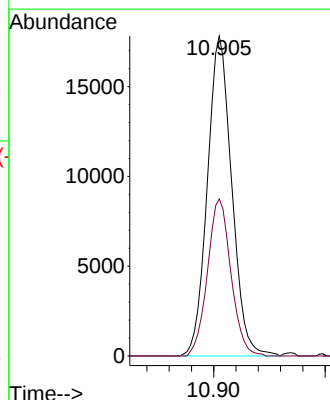
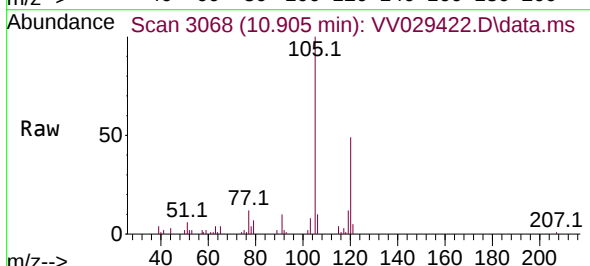
Acq: 07 Dec 2022 17:10

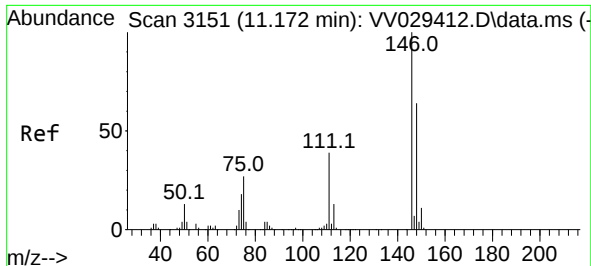
Tgt Ion:105 Resp: 27083

Ion Ratio Lower Upper

105 100

120 47.2 36.7 55.1

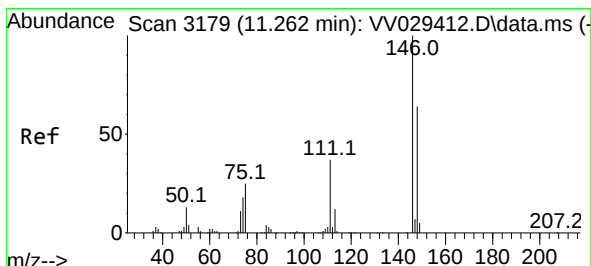
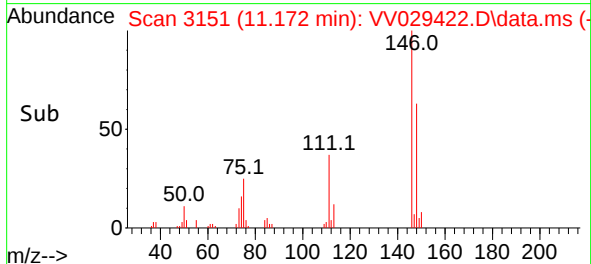
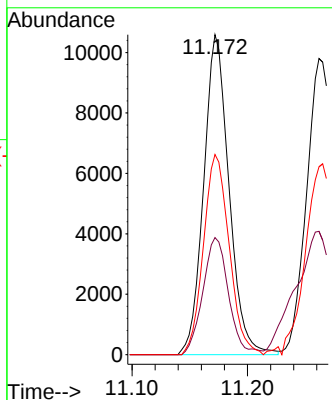
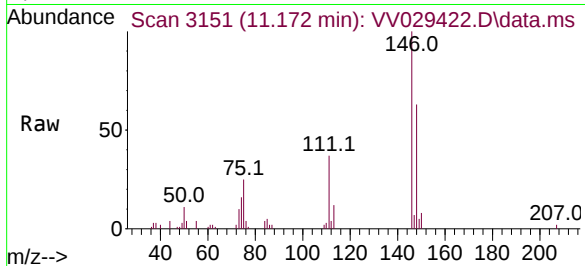




#64  
1,3-Dichlorobenzene  
Concen: 2.256 ug/L  
RT: 11.172 min Scan# 3151  
Delta R.T. 0.000 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

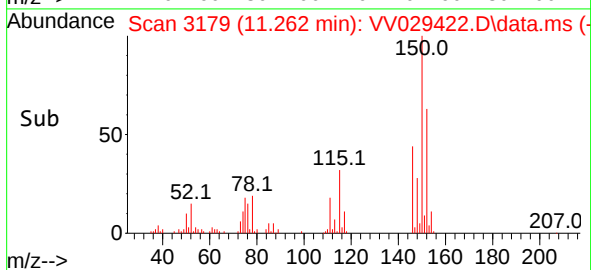
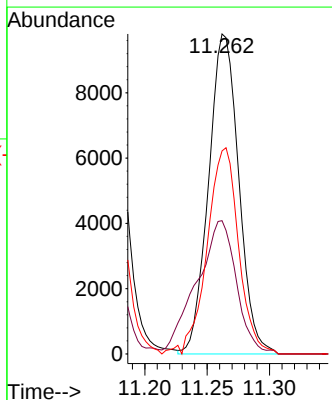
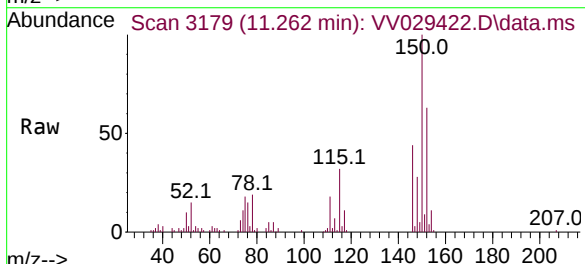
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL01

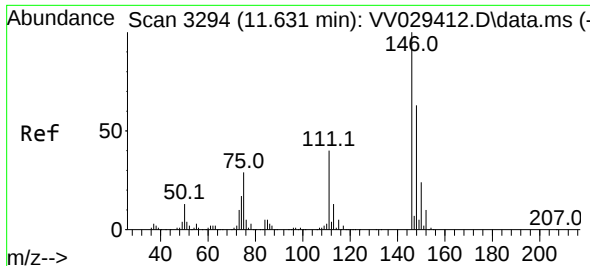
Tgt Ion:146 Resp: 16160  
Ion Ratio Lower Upper  
146 100  
111 36.6 27.4 51.0  
148 62.5 44.6 82.8



#65  
1,4-Dichlorobenzene  
Concen: 2.268 ug/L  
RT: 11.262 min Scan# 3179  
Delta R.T. 0.000 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

Tgt Ion:146 Resp: 16515  
Ion Ratio Lower Upper  
146 100  
111 41.7 26.2 48.8  
148 63.4 44.7 83.1

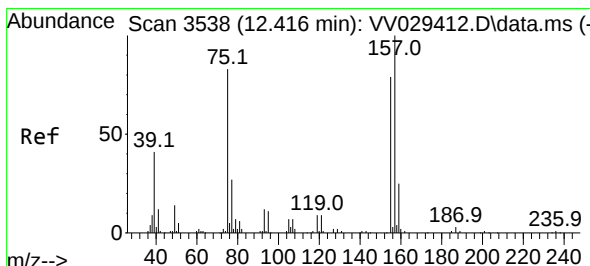
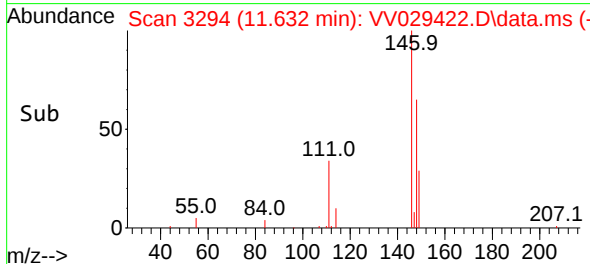
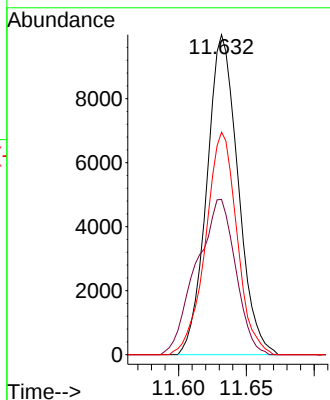
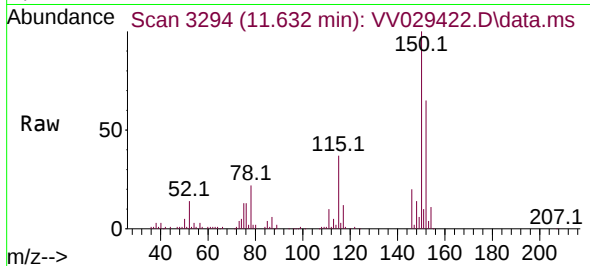




#67  
1,2-Dichlorobenzene  
Concen: 2.187 ug/L  
RT: 11.632 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

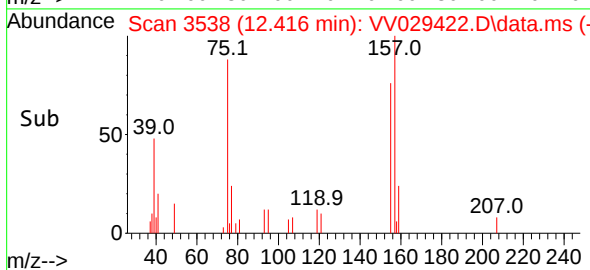
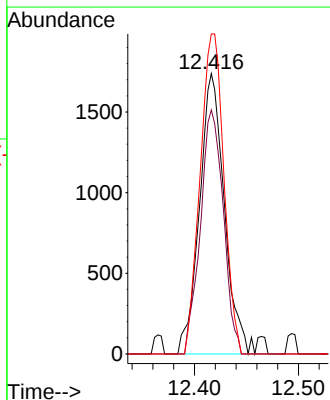
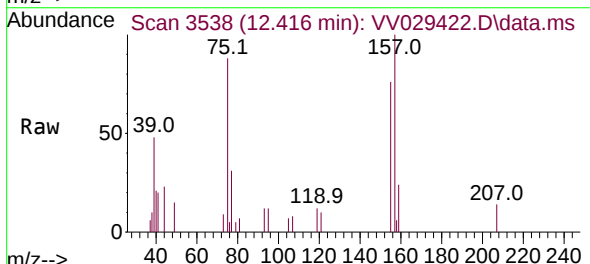
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL01

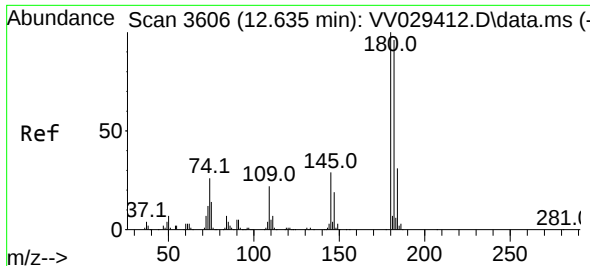
Tgt Ion:146 Resp: 16019  
Ion Ratio Lower Upper  
146 100  
111 48.5 32.0 48.0#  
148 69.6 50.6 76.0



#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.461 ug/L  
RT: 12.416 min Scan# 3538  
Delta R.T. 0.000 min  
Lab File: VV029422.D  
Acq: 07 Dec 2022 17:10

Tgt Ion: 75 Resp: 2946  
Ion Ratio Lower Upper  
75 100  
155 87.1 76.2 114.2  
157 114.2 96.0 144.0





#69

1,3,5-Trichlorobenzene

Concen: 2.099 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. 0.000 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

MDL01

Tgt Ion:180 Resp: 11967

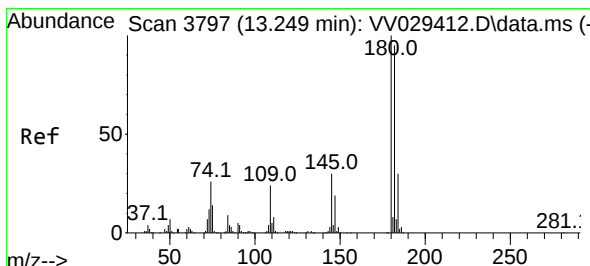
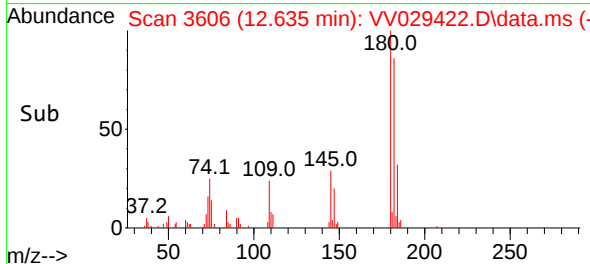
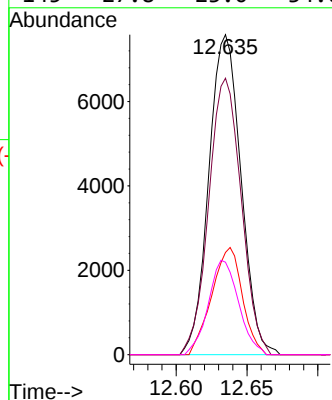
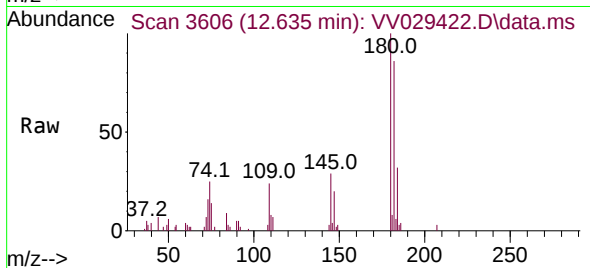
Ion Ratio Lower Upper

180 100

182 87.2 76.5 114.7

184 31.9 24.6 36.8

145 27.8 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 2.060 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.000 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

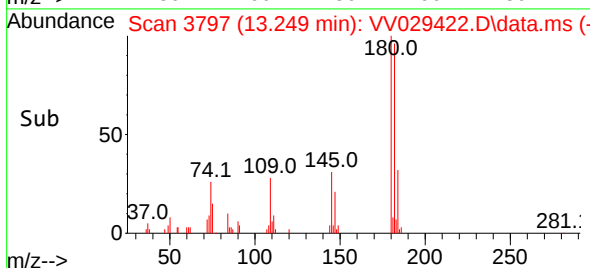
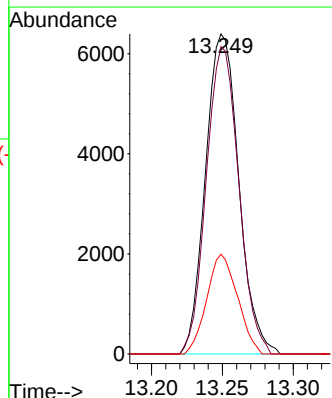
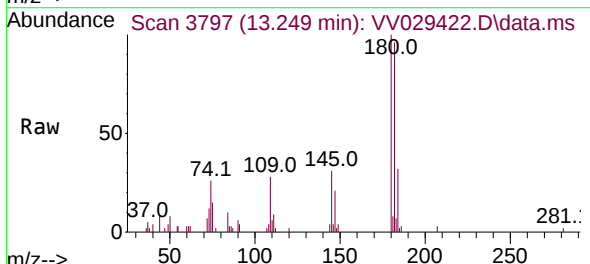
Tgt Ion:180 Resp: 10445

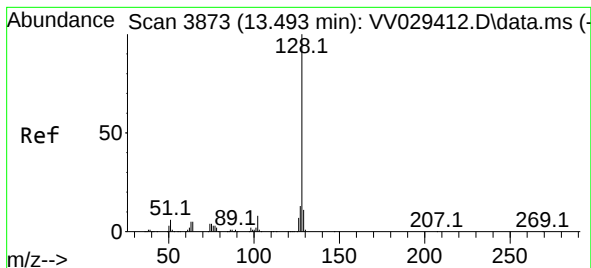
Ion Ratio Lower Upper

180 100

182 93.4 76.3 114.5

145 28.7 23.7 35.5





#71

Naphthalene

Concen: 1.681 ug/L

RT: 13.497 min Scan# 3873

Delta R.T. 0.003 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Instrument :

MSVOA\_V

ClientSampleId :

MDL01

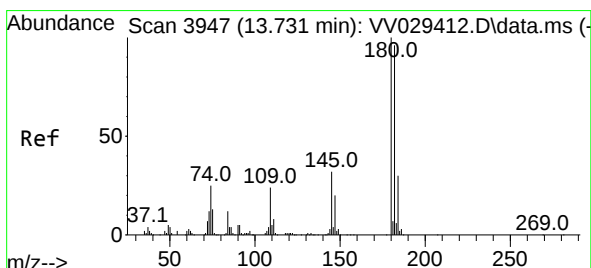
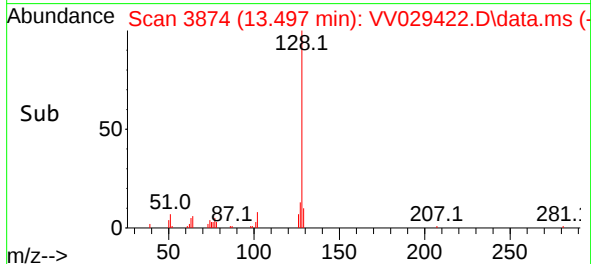
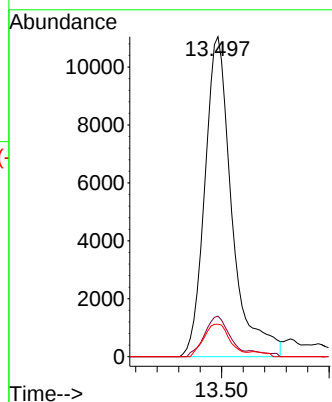
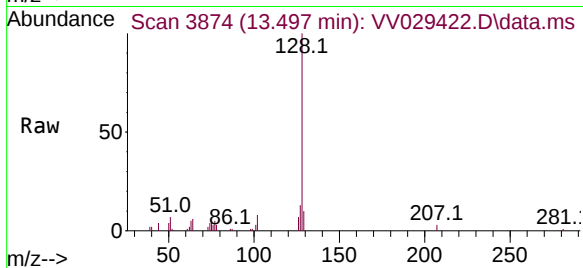
Tgt Ion:128 Resp: 19329

Ion Ratio Lower Upper

128 100

127 11.7 10.2 15.4

129 9.8 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 2.050 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV029422.D

Acq: 07 Dec 2022 17:10

Tgt Ion:180 Resp: 10182

Ion Ratio Lower Upper

180 100

182 92.6 76.4 114.6

145 30.7 25.0 37.6

