

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV081922\  
 Data File : VV027454.D  
 Acq On : 19 Aug 2022 20:50  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005377

Quant Time: Aug 20 06:09:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 20 05:55:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 151486   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 148381   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 79814    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 48062    | 4.458    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 89.200%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 44166    | 5.597    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 112.000% |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 115848   | 4.608    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.200%  |
| 20) 2-Butanone-d5             | 3.892  | 46    | 62984    | 46.942   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 93.880%  |
| 24) Chloroform-d              | 4.346  | 84    | 102070   | 4.735    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.030  | 65    | 44430    | 4.764    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.200%  |
| 32) Benzene-d6                | 5.050  | 84    | 194664   | 4.736    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 54055    | 4.524    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.400%  |
| 41) Toluene-d8                | 7.313  | 98    | 183058   | 4.933    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.600%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 18933    | 4.628    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.600%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 66130    | 49.103   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 98.200%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 35768    | 4.701    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 53898    | 4.555    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 80676    | 5.019    | ug/L   | 99       |
| 3) Chloromethane              | 1.240  | 50    | 69253    | 4.934    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.310  | 62    | 68854    | 4.873    | ug/L   | 98       |
| 6) Bromomethane               | 1.519  | 94    | 41652    | 5.961    | ug/L   | 100      |
| 8) Chloroethane               | 1.584  | 64    | 49953    | 6.049    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 110575   | 4.926    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 64444    | 5.085    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 56553    | 4.934    | ug/L   | 97       |
| 13) Acetone                   | 2.172  | 43    | 52567    | 41.025   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.291  | 76    | 151083   | 4.803    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.436  | 43    | 17521    | 4.938    | ug/L # | 90       |
| 16) Methylene chloride        | 2.503  | 84    | 65456    | 3.788    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 116748   | 4.923    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 58300    | 4.937    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 121701   | 4.979    | ug/L   | 98       |
| 21) 2-Butanone                | 3.973  | 43    | 82334    | 48.282   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96    | 61261    | 4.868    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.246  | 128   | 27302    | 4.920    | ug/L   | 89       |
| 25) Chloroform                | 4.371  | 83    | 127905   | 4.812    | ug/L   | 95       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTD005377

Quant Time: Aug 20 06:09:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 20 05:55:43 2022  
 Response via : Initial Calibration

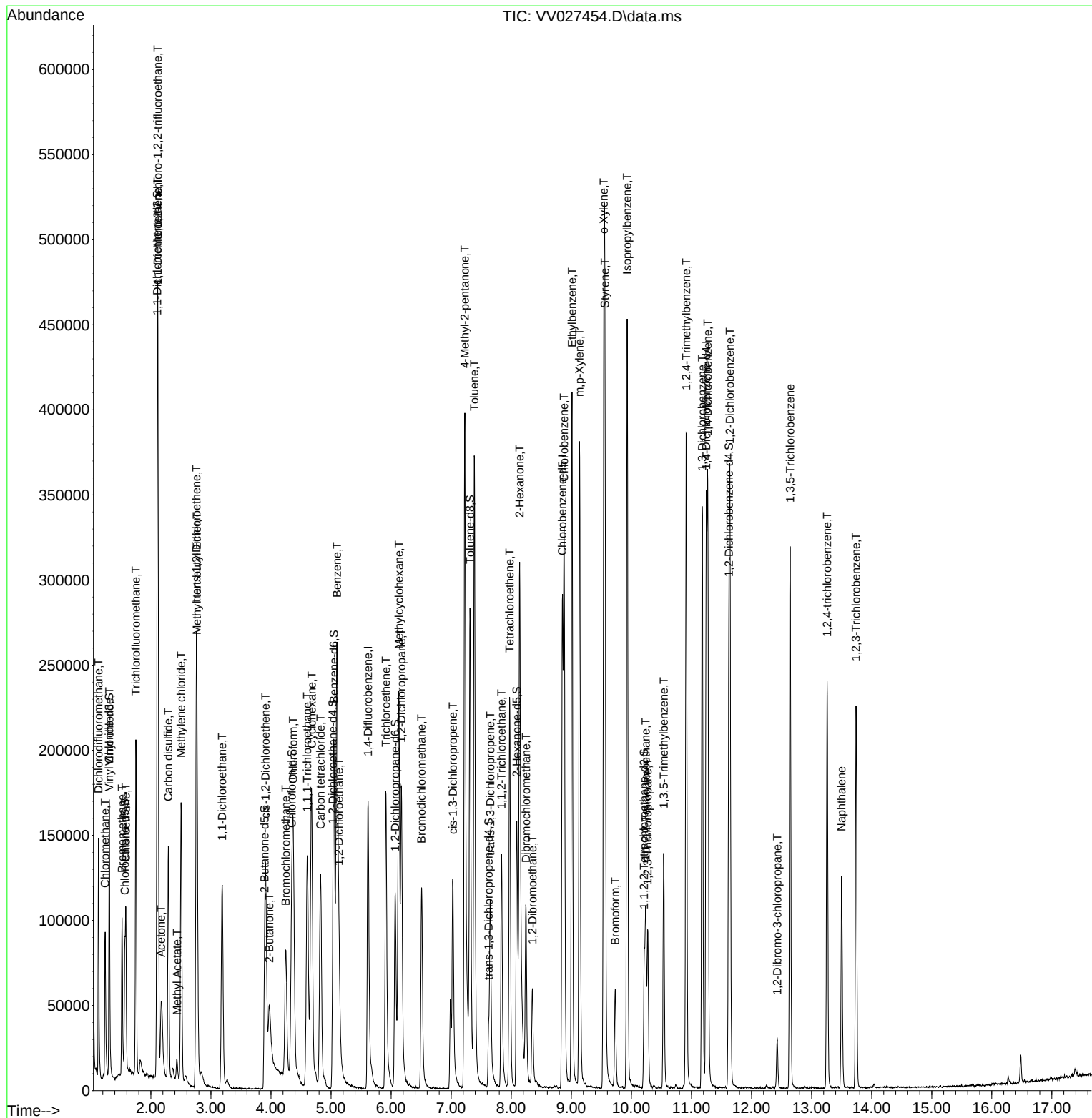
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 67933    | 5.030  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 116738   | 5.126  | ug/L   | 98       |
| 30) Cyclohexane               | 4.677  | 56   | 88737    | 5.076  | ug/L   | 94       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 100103   | 5.054  | ug/L   | 100      |
| 33) Benzene                   | 5.098  | 78   | 261339   | 5.297  | ug/L   | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 65465    | 5.042  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.130  | 83   | 91086    | 4.988  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 67079    | 5.100  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 84866    | 5.089  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 77594    | 4.893  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.226  | 43   | 325098   | 55.321 | ug/L   | 99       |
| 42) Toluene                   | 7.384  | 91   | 273234   | 5.366  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 66628    | 4.970  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 44073    | 5.242  | ug/L   | 99       |
| 47) Tetrachloroethene         | 7.972  | 164  | 50930    | 5.036  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.140  | 43   | 233873   | 55.230 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.246  | 129  | 53238    | 5.148  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 39055    | 5.321  | ug/L # | 99       |
| 51) Chlorobenzene             | 8.879  | 112  | 173758   | 5.272  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.011  | 91   | 274736   | 5.286  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.136  | 106  | 107048   | 5.382  | ug/L   | 98       |
| 54) o-Xylene                  | 9.542  | 106  | 102663   | 5.321  | ug/L   | 100      |
| 55) Styrene                   | 9.561  | 104  | 179995   | 5.484  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 50339    | 5.315  | ug/L   | 98       |
| 59) Bromoform                 | 9.731  | 173  | 25722    | 4.809  | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.931  | 105  | 275245   | 5.241  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 36432    | 5.203  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 71218    | 4.891  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 205529   | 5.009  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 132260   | 5.112  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 131810   | 5.110  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 119894   | 5.111  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 7860     | 5.053  | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 94956    | 4.916  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 70252    | 5.005  | ug/L   | 98       |
| 71) Naphthalene               | 13.500 | 128  | 94889    | 4.898  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 64215    | 5.151  | ug/L   | 99       |

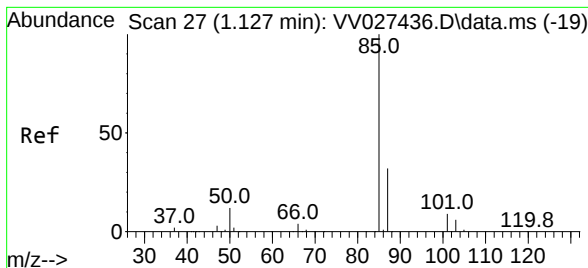
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Sample : VSTDCCC005EC  
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Instrument :  
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Quant Time: Aug 20 06:09:13 2022  
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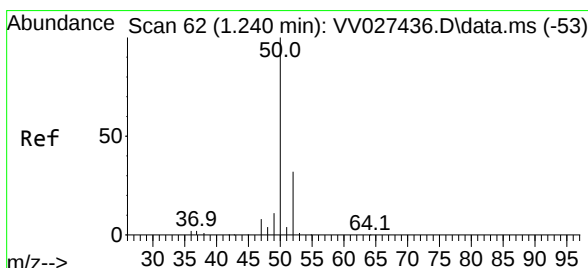
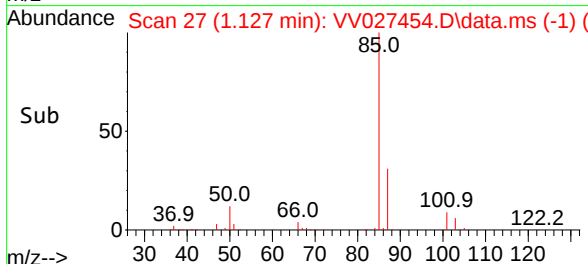
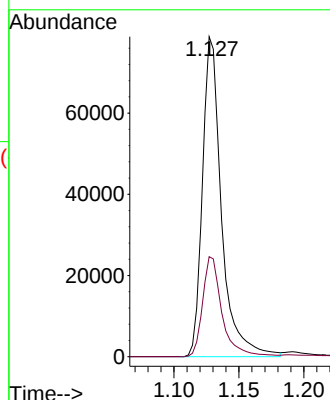
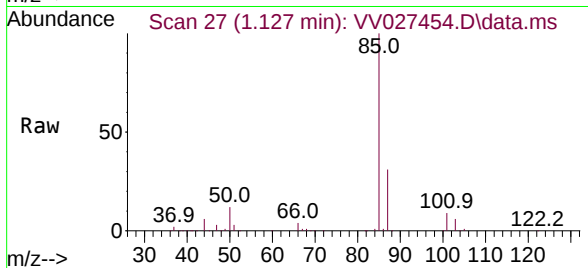




#2  
 Dichlorodifluoromethane  
 Concen: 5.019 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV027454.D  
 Acq: 19 Aug 2022 20:50

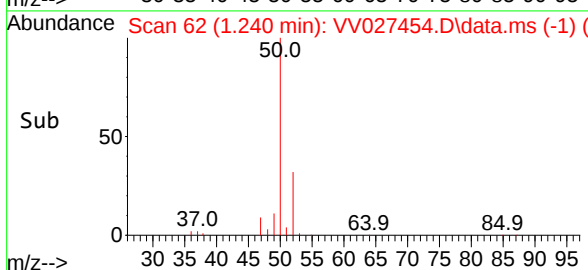
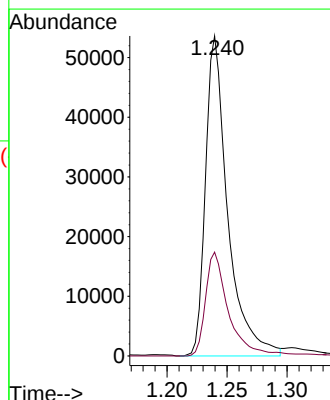
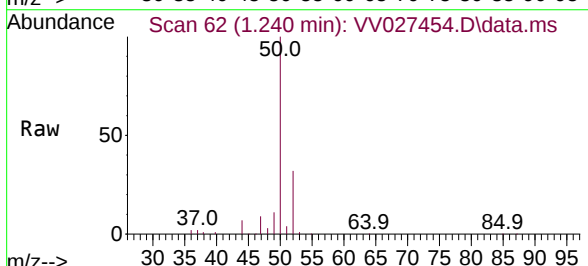
Instrument :  
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 ClientSampleId :  
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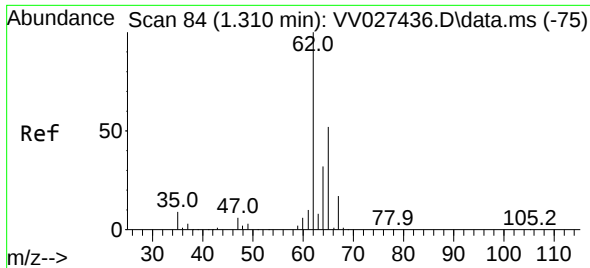
Tgt Ion: 85 Resp: 80676  
 Ion Ratio Lower Upper  
 85 100  
 87 31.8 26.0 39.0



#3  
 Chloromethane  
 Concen: 4.934 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. -0.000 min  
 Lab File: VV027454.D  
 Acq: 19 Aug 2022 20:50

Tgt Ion: 50 Resp: 69253  
 Ion Ratio Lower Upper  
 50 100  
 52 32.4 22.8 42.4

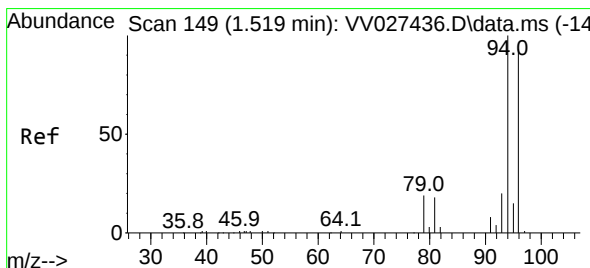
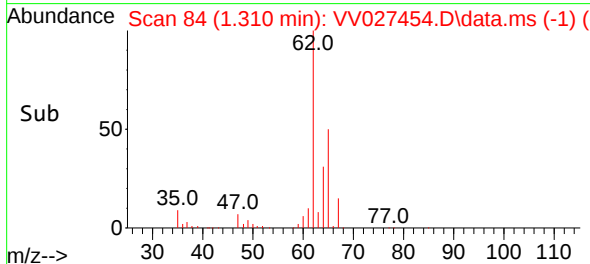
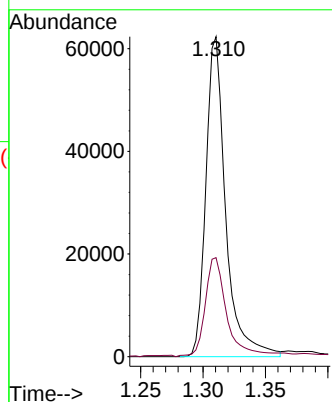
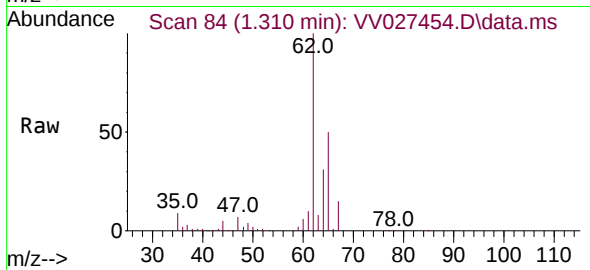




#5  
 Vinyl chloride  
 Concen: 4.873 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. -0.000 min  
 Lab File: VV027454.D  
 Acq: 19 Aug 2022 20:50

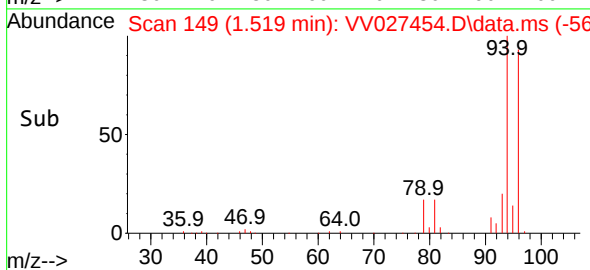
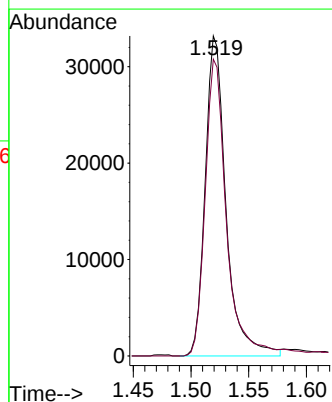
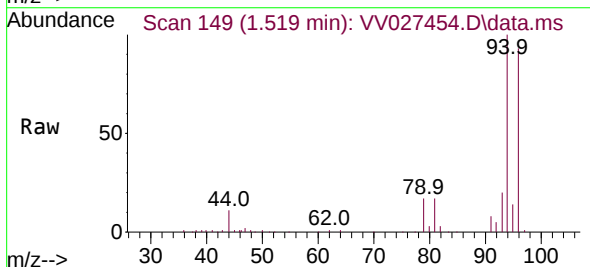
Instrument :  
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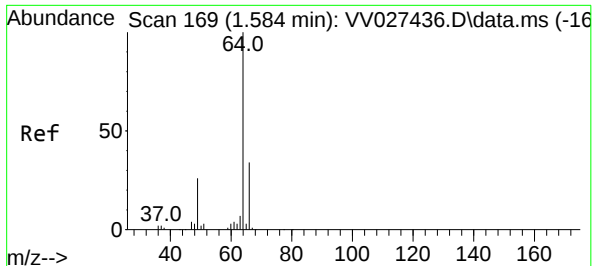
Tgt Ion: 62 Resp: 68854  
 Ion Ratio Lower Upper  
 62 100  
 64 30.9 22.6 42.0



#6  
 Bromomethane  
 Concen: 5.961 ug/L  
 RT: 1.519 min Scan# 149  
 Delta R.T. -0.000 min  
 Lab File: VV027454.D  
 Acq: 19 Aug 2022 20:50

Tgt Ion: 94 Resp: 41652  
 Ion Ratio Lower Upper  
 94 100  
 96 92.7 65.2 121.0

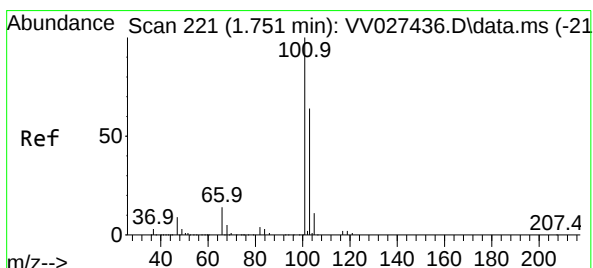
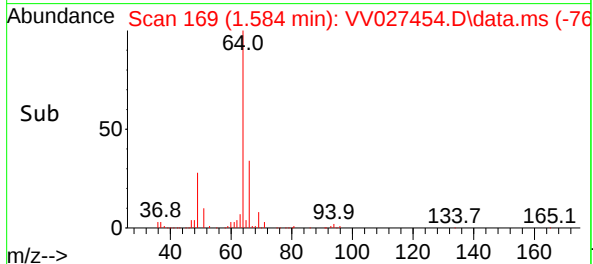
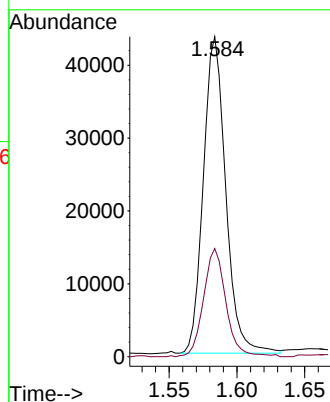
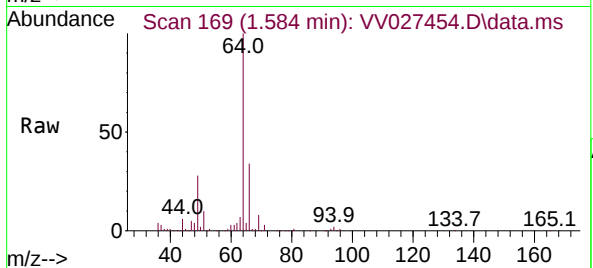




#8  
Chloroethane  
Concen: 6.049 ug/L  
RT: 1.584 min Scan# 169  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

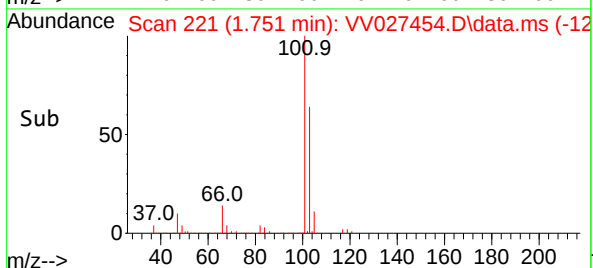
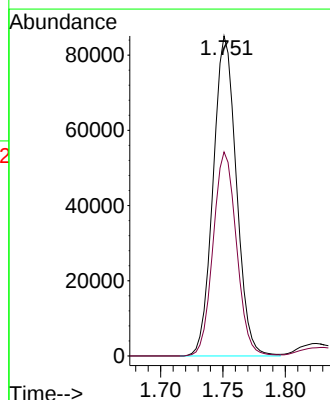
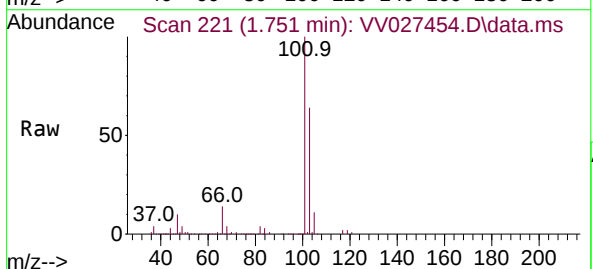
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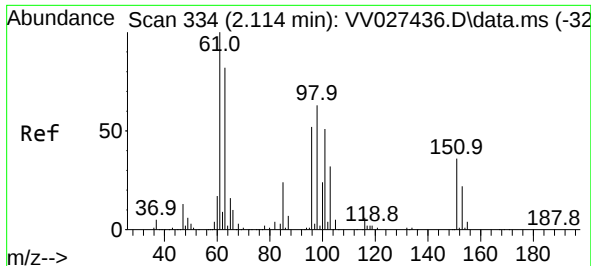
Tgt Ion: 64 Resp: 49953  
Ion Ratio Lower Upper  
64 100  
66 33.8 23.3 43.3



#9  
Trichlorofluoromethane  
Concen: 4.926 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

Tgt Ion: 101 Resp: 110575  
Ion Ratio Lower Upper  
101 100  
103 64.0 51.5 77.3

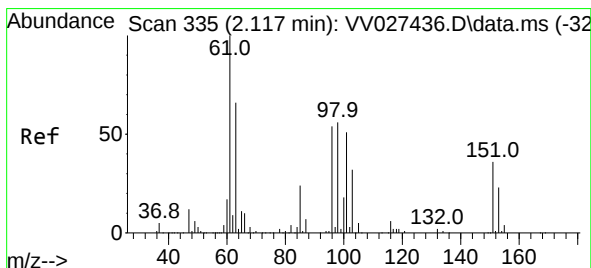
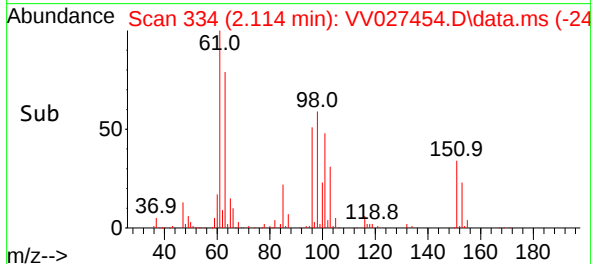
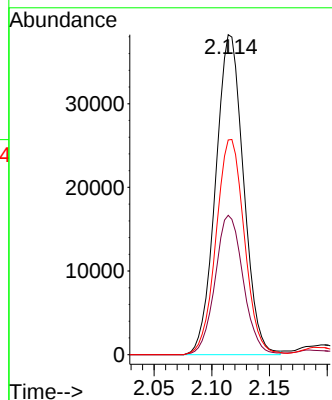
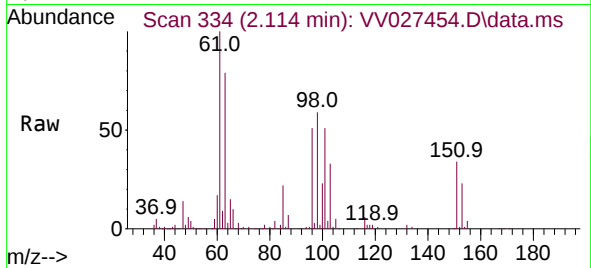




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.085 ug/L  
 RT: 2.114 min Scan# 311  
 Delta R.T. -0.000 min  
 Lab File: VV027454.D  
 Acq: 19 Aug 2022 20:50

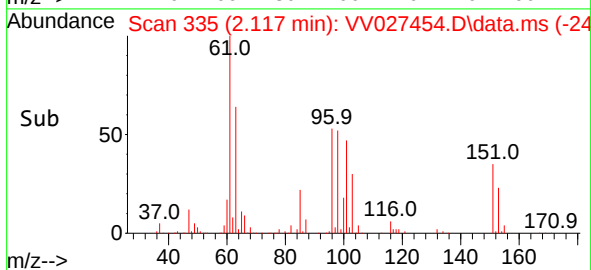
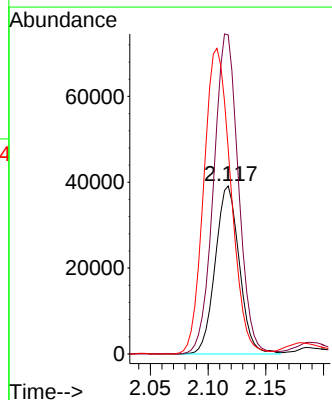
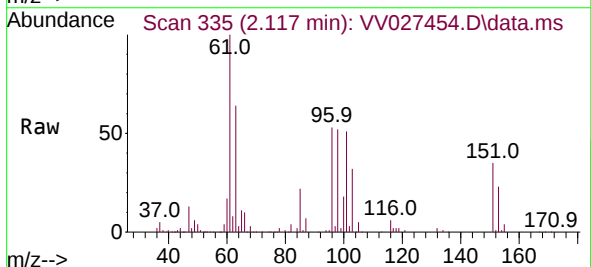
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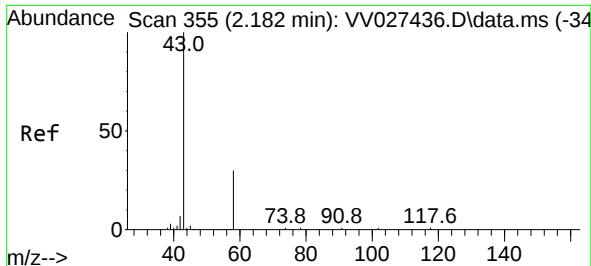
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 Ion Ratio Lower Upper  
 101 100  
 85 43.8 35.3 52.9  
 151 68.4 55.2 82.8



#12  
 1,1-Dichloroethene  
 Concen: 4.934 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. -0.000 min  
 Lab File: VV027454.D  
 Acq: 19 Aug 2022 20:50

Tgt Ion: 96 Resp: 56553  
 Ion Ratio Lower Upper  
 96 100  
 61 190.0 130.2 241.8  
 63 122.1 87.4 162.4





#13

Acetone

Concen: 41.025 ug/L

RT: 2.172 min Scan# 3

Delta R.T. -0.010 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

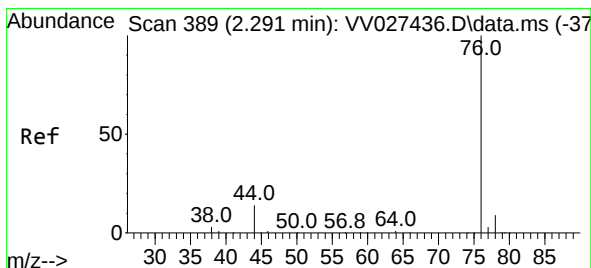
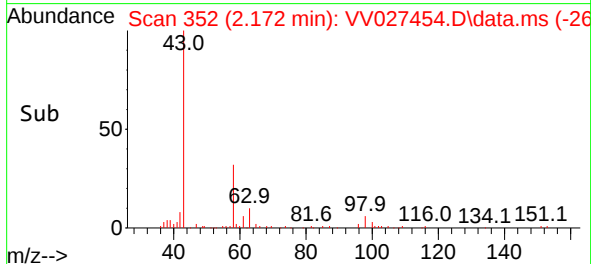
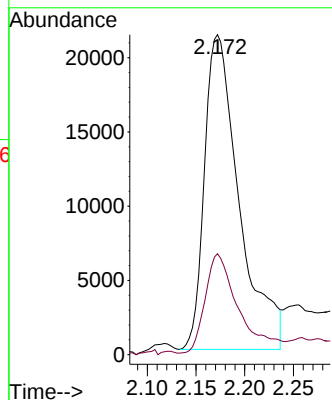
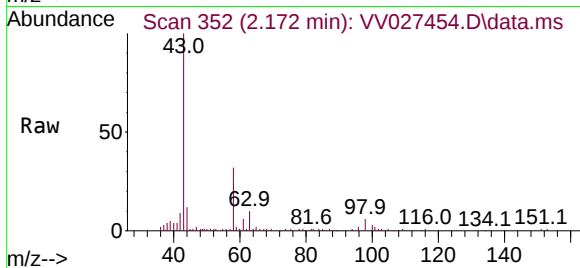
VSTD005377

Tgt Ion: 43 Resp: 52567

Ion Ratio Lower Upper

43 100

58 30.8 0.0 62.2



#14

Carbon disulfide

Concen: 4.803 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.000 min

Lab File: VV027454.D

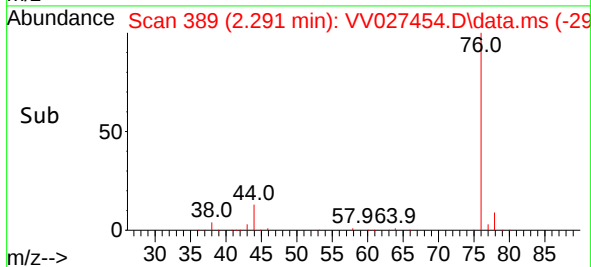
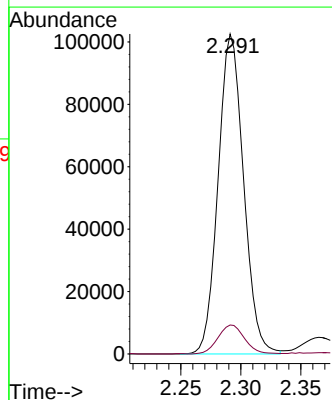
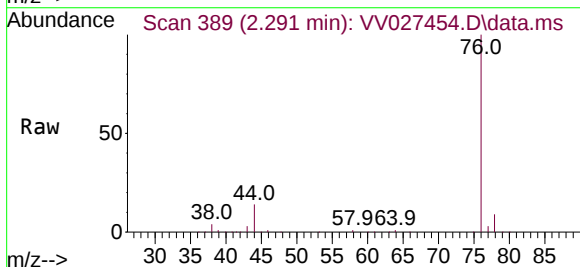
Acq: 19 Aug 2022 20:50

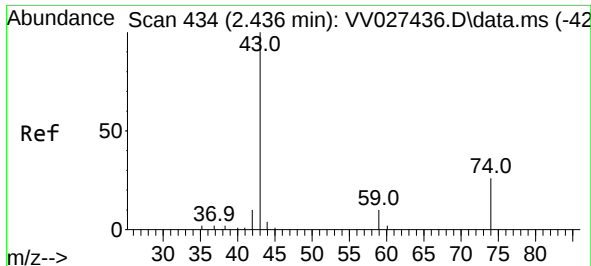
Tgt Ion: 76 Resp: 151083

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

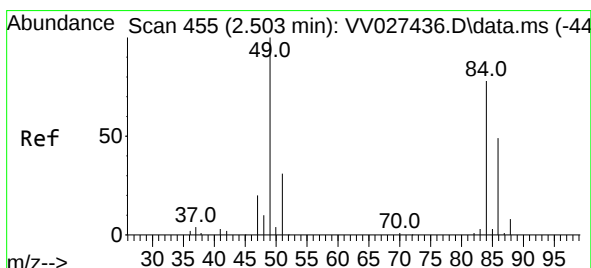
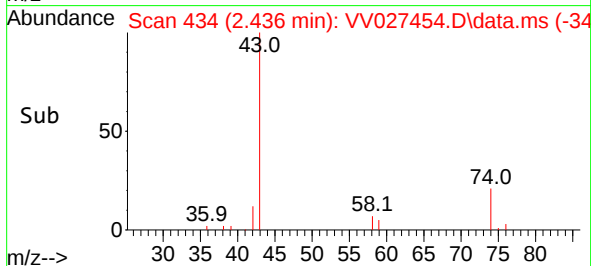
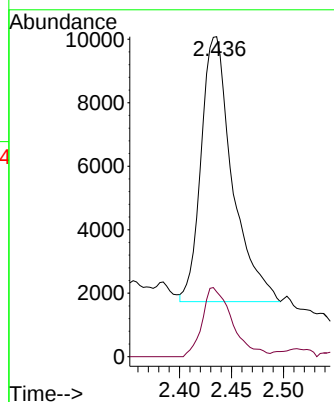
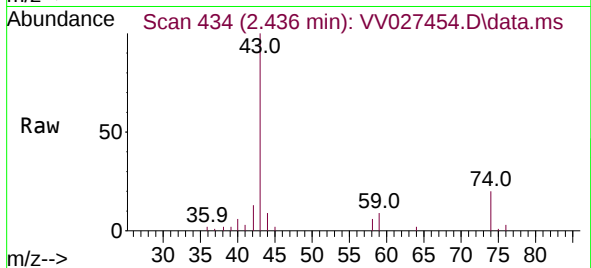




#15  
Methyl Acetate  
Concen: 4.938 ug/L  
RT: 2.436 min Scan# 415  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

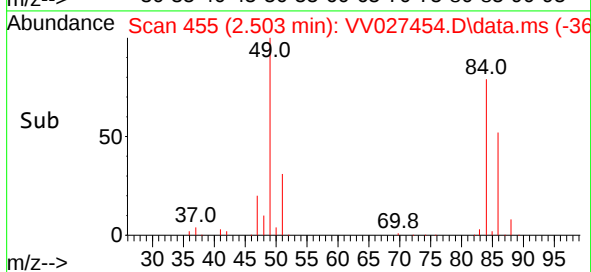
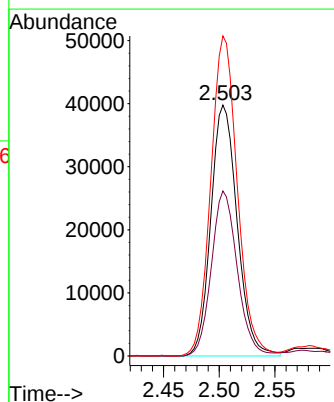
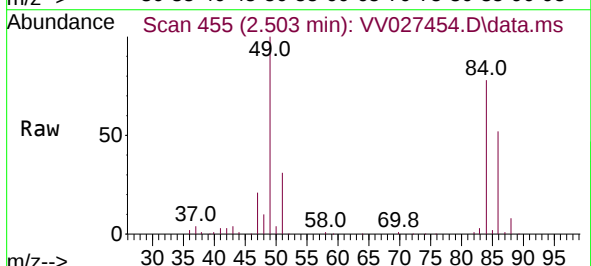
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005377

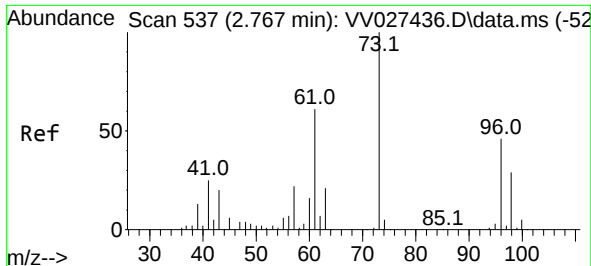
Tgt Ion: 43 Resp: 17521  
Ion Ratio Lower Upper  
43 100  
74 25.1 16.3 24.5#



#16  
Methylene chloride  
Concen: 3.788 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

Tgt Ion: 84 Resp: 65456  
Ion Ratio Lower Upper  
84 100  
86 65.7 44.0 81.6  
49 127.6 89.4 166.0





#17

Methyl tert-butyl Ether

Concen: 4.923 ug/L

RT: 2.767 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005377

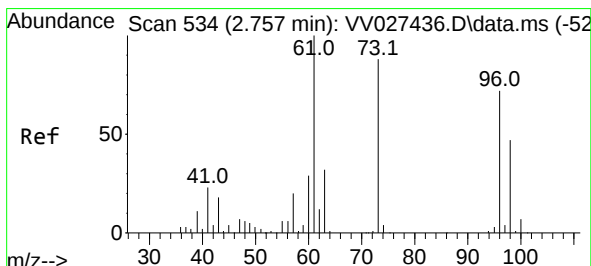
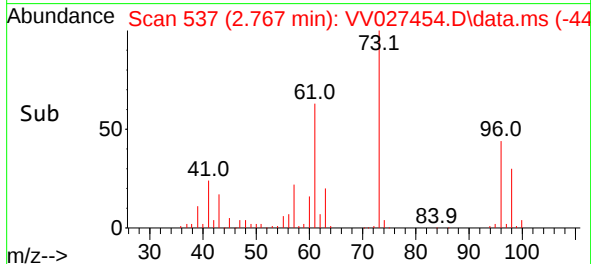
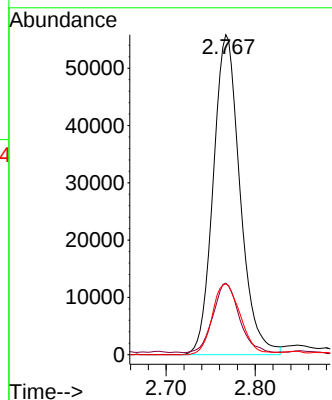
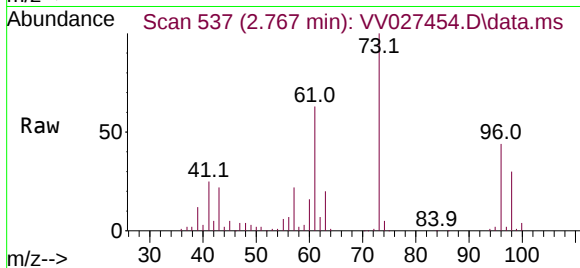
Tgt Ion: 73 Resp: 116748

Ion Ratio Lower Upper

73 100

43 21.3 15.6 23.4

57 23.3 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 4.937 ug/L

RT: 2.757 min Scan# 534

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

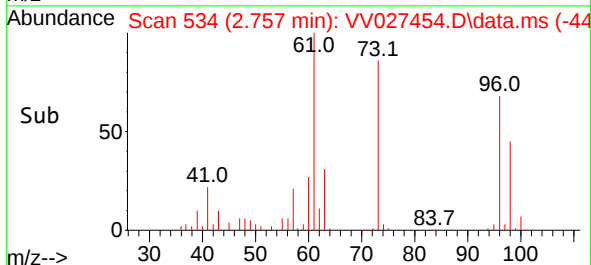
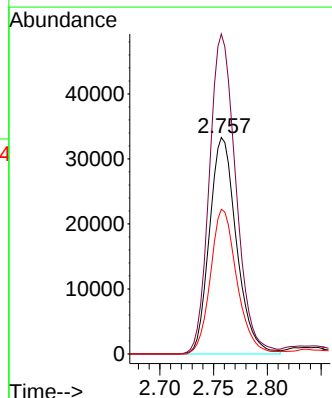
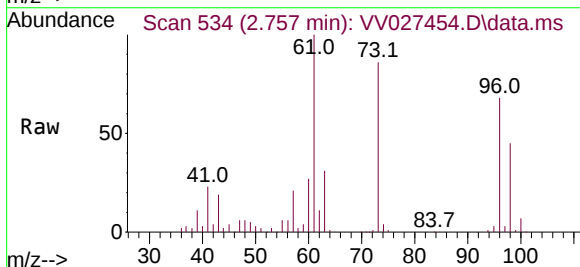
Tgt Ion: 96 Resp: 58300

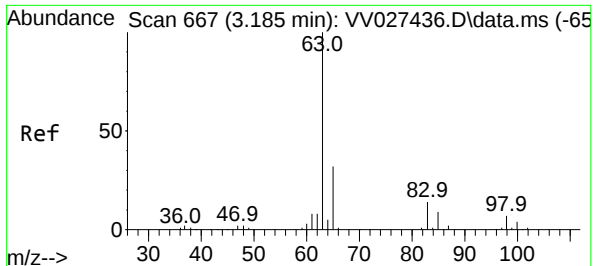
Ion Ratio Lower Upper

96 100

61 147.8 97.6 181.4

98 66.8 45.9 85.3





#19

1,1-Dichloroethane

Concen: 4.979 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005377

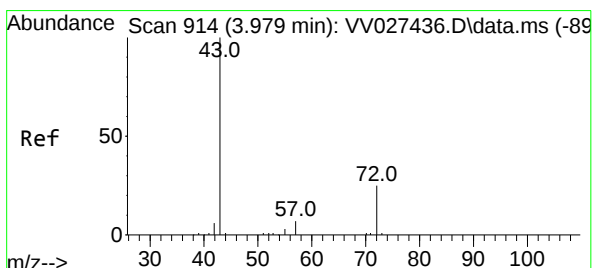
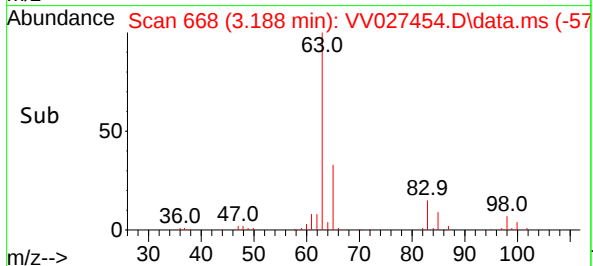
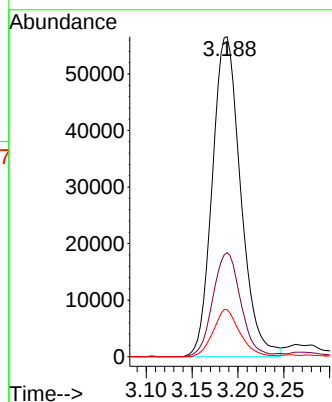
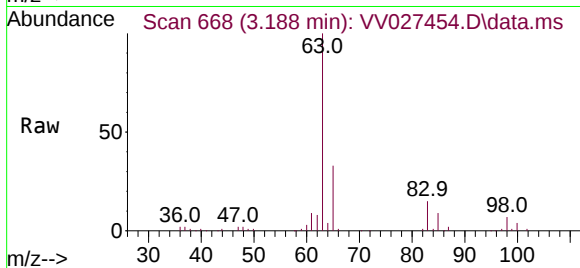
Tgt Ion: 63 Resp: 121701

Ion Ratio Lower Upper

63 100

65 32.5 22.1 41.1

83 14.7 9.6 17.8



#21

2-Butanone

Concen: 48.282 ug/L

RT: 3.973 min Scan# 912

Delta R.T. -0.007 min

Lab File: VV027454.D

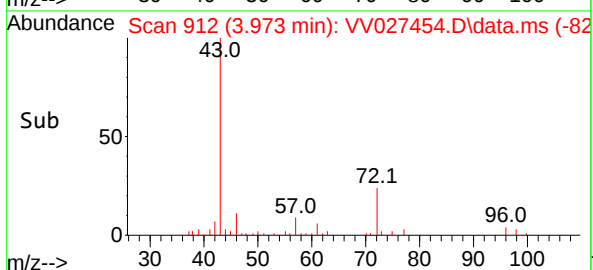
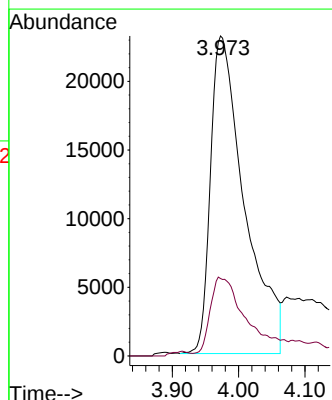
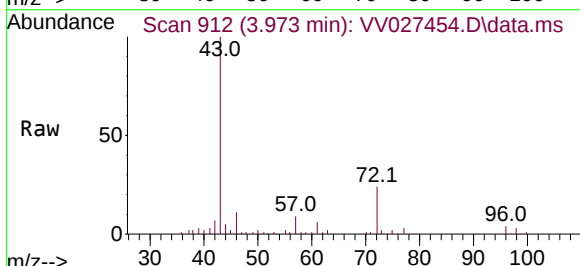
Acq: 19 Aug 2022 20:50

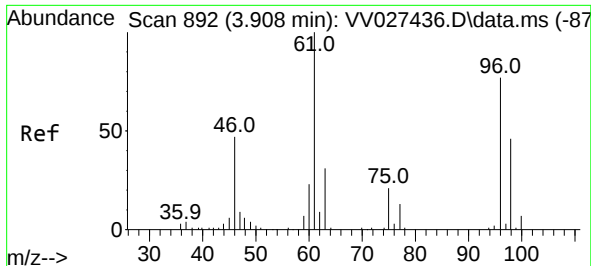
Tgt Ion: 43 Resp: 82334

Ion Ratio Lower Upper

43 100

72 25.5 12.0 36.1





#22

cis-1,2-Dichloroethene

Concen: 4.868 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005377

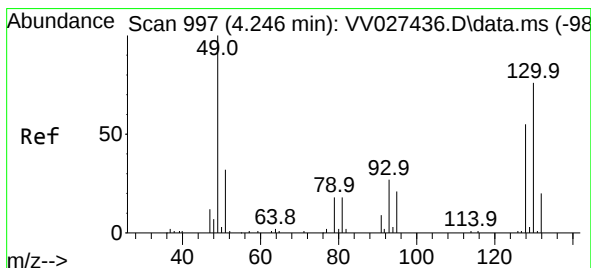
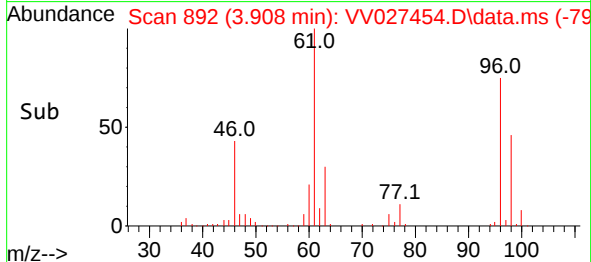
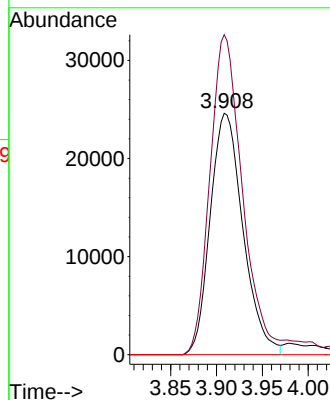
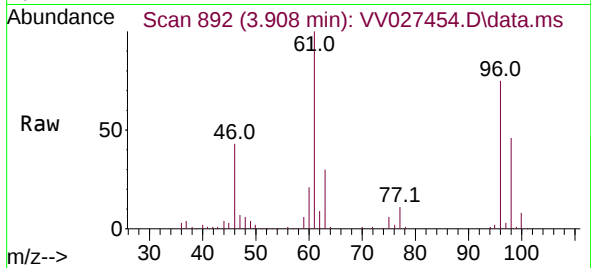
Tgt Ion: 96 Resp: 61261

Ion Ratio Lower Upper

96 100

61 132.5 90.6 168.2

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 4.920 ug/L

RT: 4.246 min Scan# 997

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Tgt Ion: 128 Resp: 27302

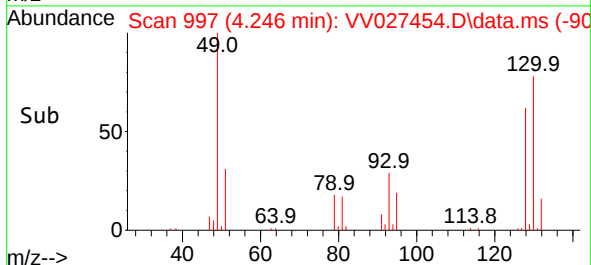
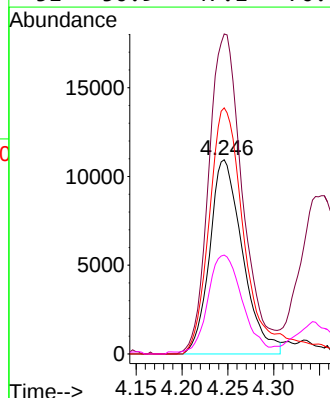
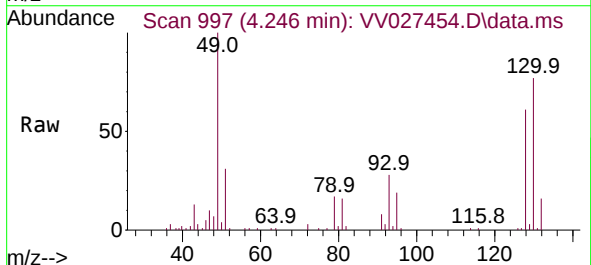
Ion Ratio Lower Upper

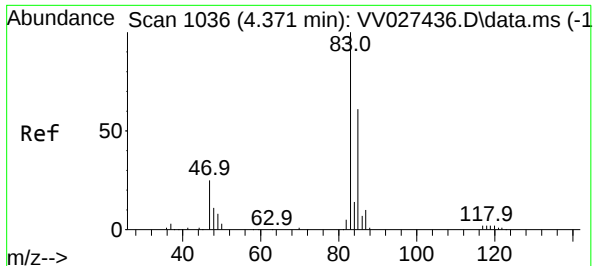
128 100

49 164.7 127.5 236.7

130 126.7 97.0 180.2

51 50.9 47.1 70.7





#25

Chloroform

Concen: 4.812 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

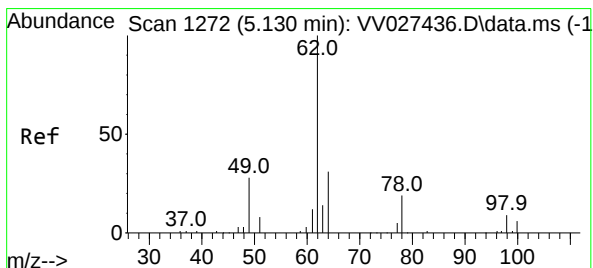
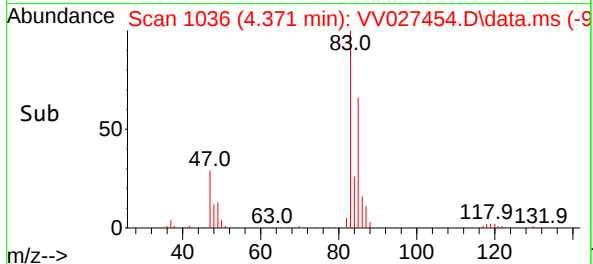
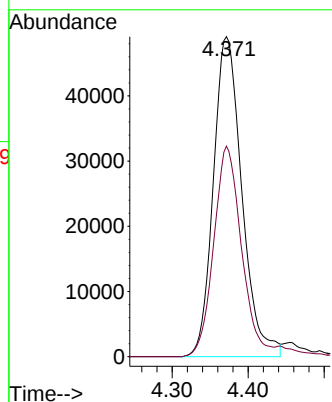
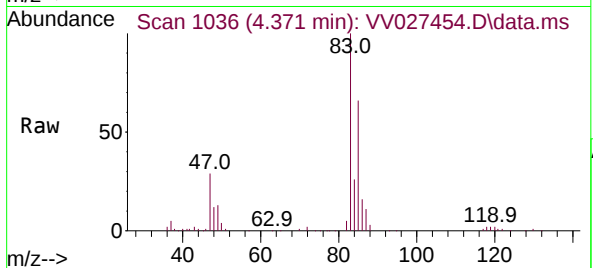
VSTD005377

Tgt Ion: 83 Resp: 127905

Ion Ratio Lower Upper

83 100

85 65.8 43.3 80.5



#27

1,2-Dichloroethane

Concen: 5.030 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VV027454.D

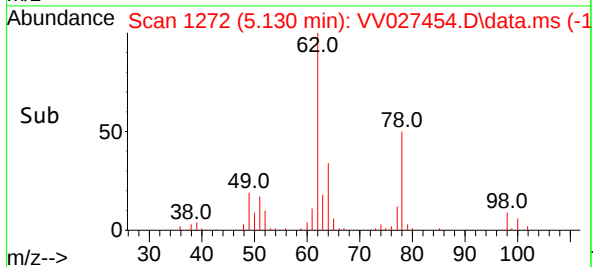
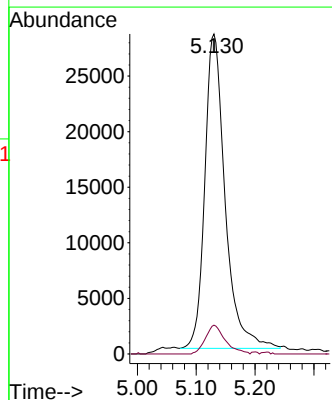
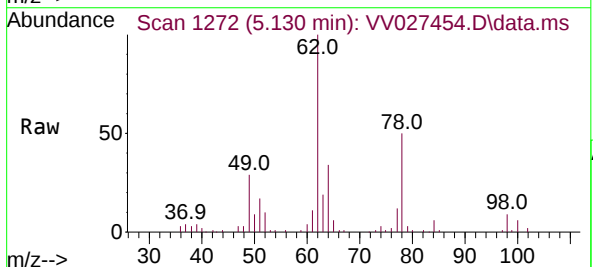
Acq: 19 Aug 2022 20:50

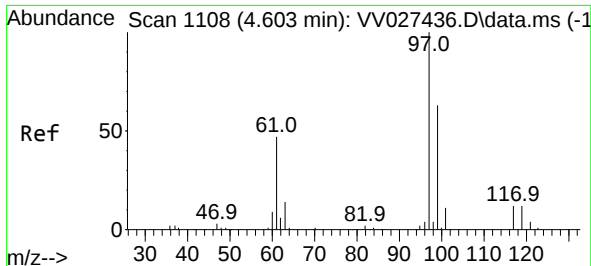
Tgt Ion: 62 Resp: 67933

Ion Ratio Lower Upper

62 100

98 9.0 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.126 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005377

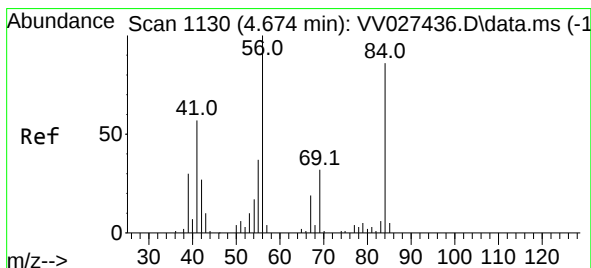
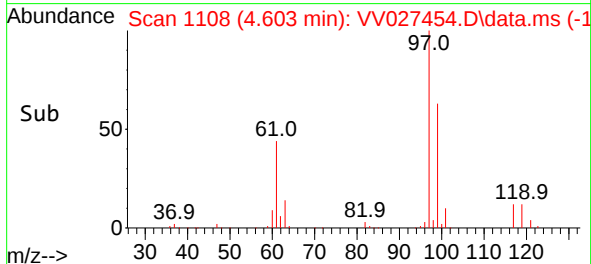
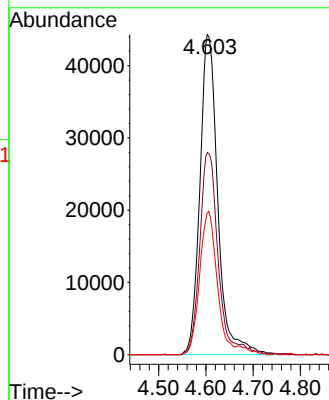
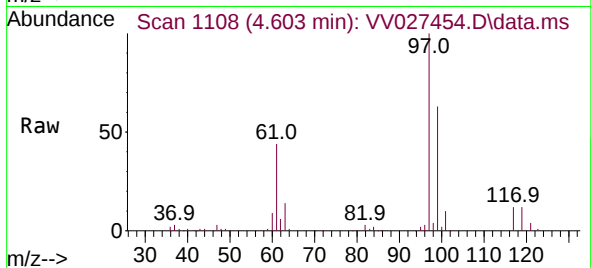
Tgt Ion: 97 Resp: 116738

Ion Ratio Lower Upper

97 100

99 63.0 51.1 76.7

61 43.4 35.9 53.9



#30

Cyclohexane

Concen: 5.076 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

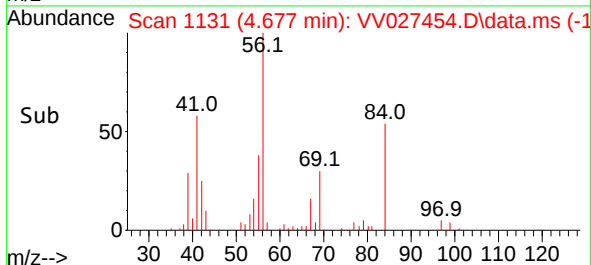
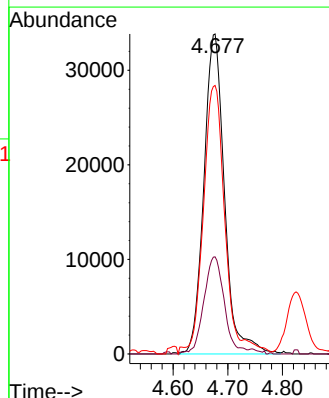
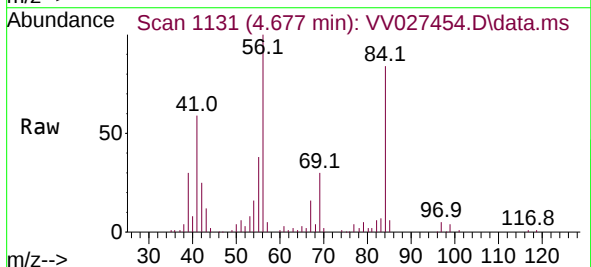
Tgt Ion: 56 Resp: 88737

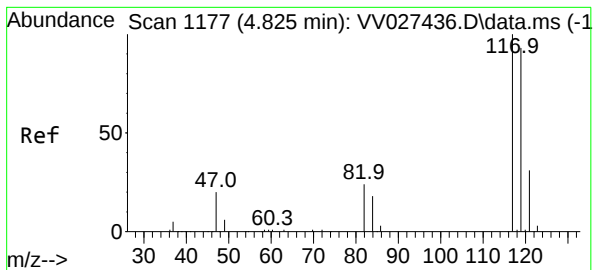
Ion Ratio Lower Upper

56 100

69 30.1 25.4 38.0

84 79.9 69.7 104.5





#31

Carbon tetrachloride

Concen: 5.054 ug/L

RT: 4.825 min Scan# 1177

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

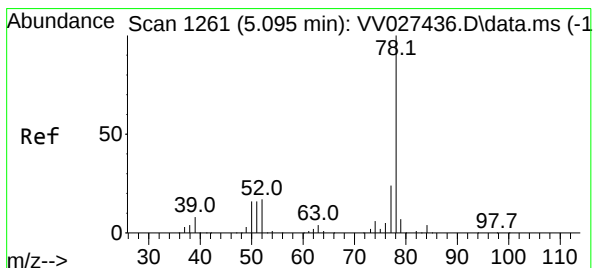
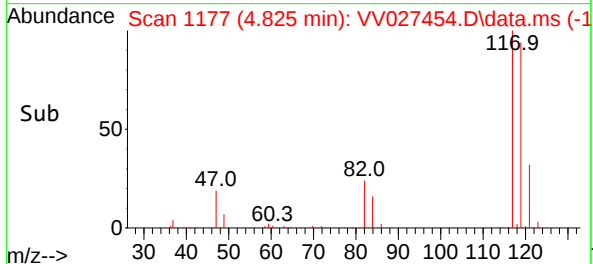
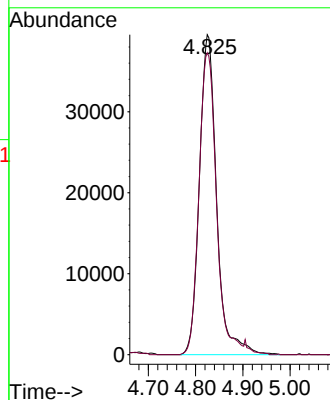
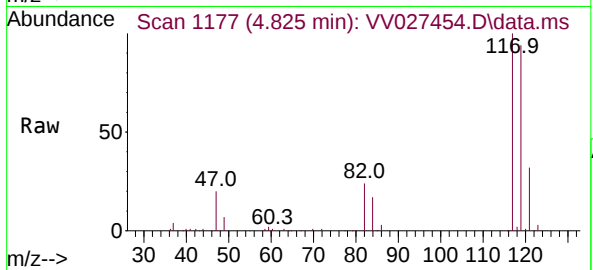
VSTD005377

Tgt Ion:117 Resp: 100103

Ion Ratio Lower Upper

117 100

119 95.6 76.1 114.1



#33

Benzene

Concen: 5.297 ug/L

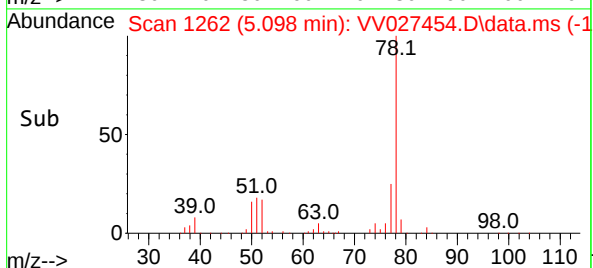
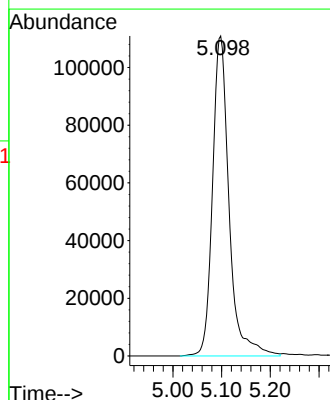
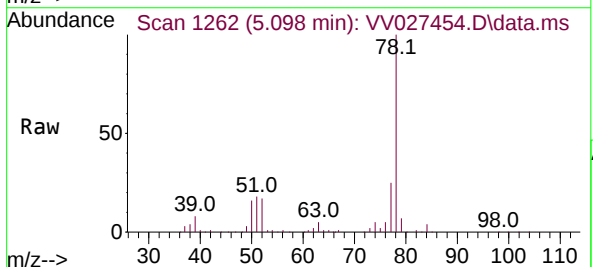
RT: 5.098 min Scan# 1262

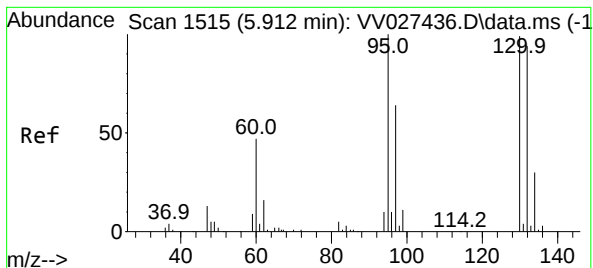
Delta R.T. 0.003 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Tgt Ion: 78 Resp: 261339





#34

Trichloroethene

Concen: 5.042 ug/L

RT: 5.911 min Scan# 1515

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005377

Tgt Ion: 95 Resp: 65465

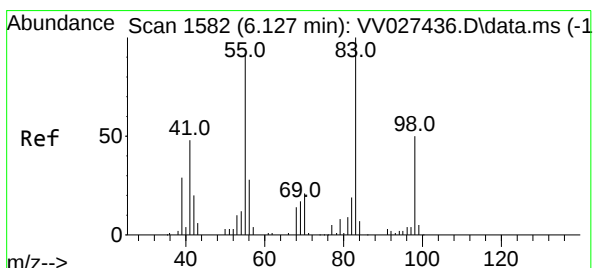
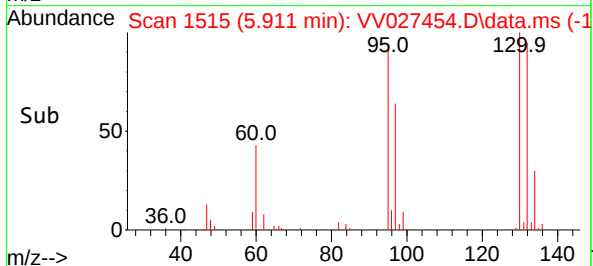
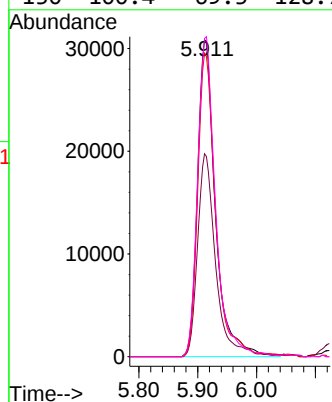
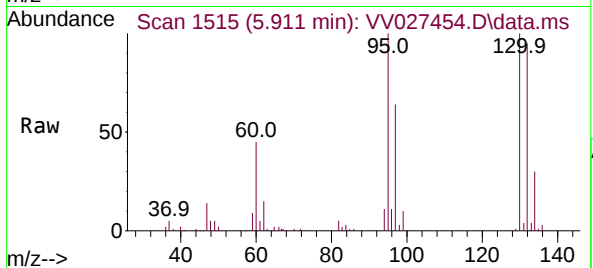
Ion Ratio Lower Upper

95 100

97 64.0 45.0 83.6

132 95.8 65.7 121.9

130 100.4 69.3 128.7



#35

Methylcyclohexane

Concen: 4.988 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.003 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

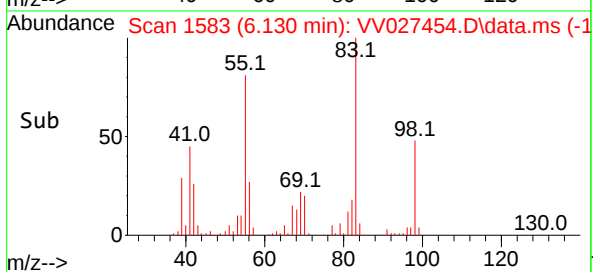
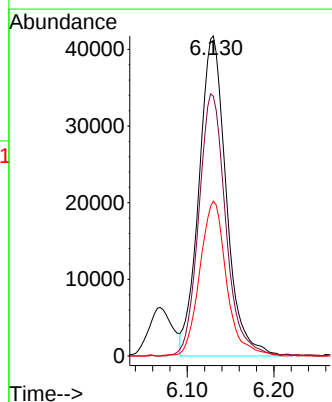
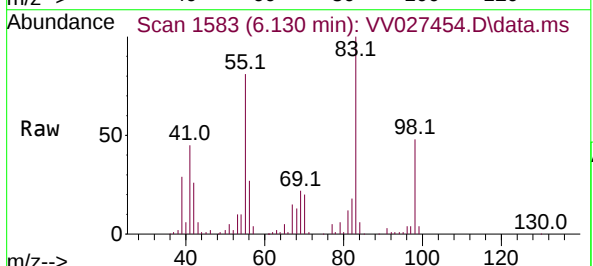
Tgt Ion: 83 Resp: 91086

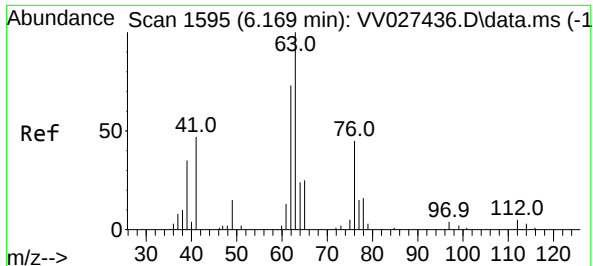
Ion Ratio Lower Upper

83 100

55 81.2 68.2 102.4

98 47.5 39.0 58.4





#37

1,2-Dichloropropane

Concen: 5.100 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

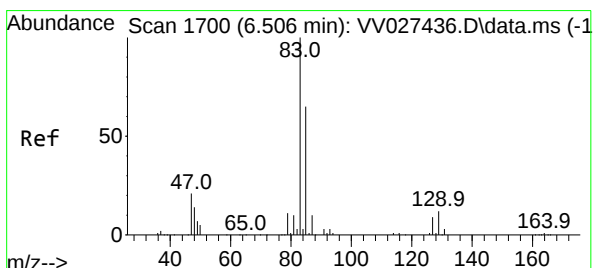
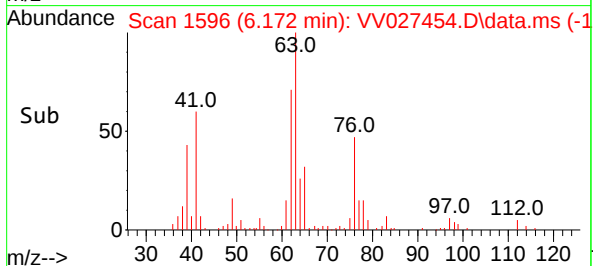
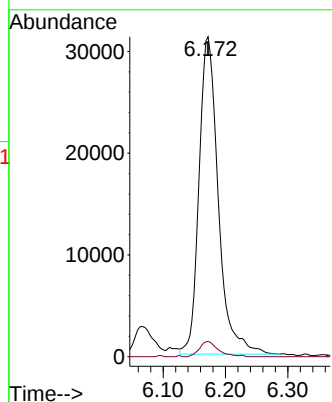
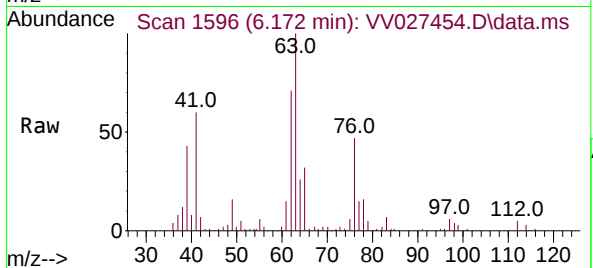
VSTD005377

Tgt Ion: 63 Resp: 67079

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



#38

Bromodichloromethane

Concen: 5.089 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

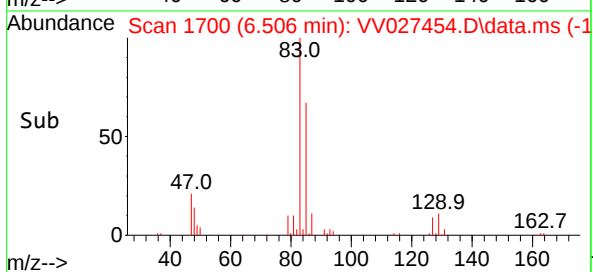
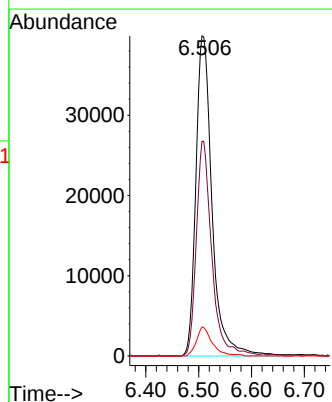
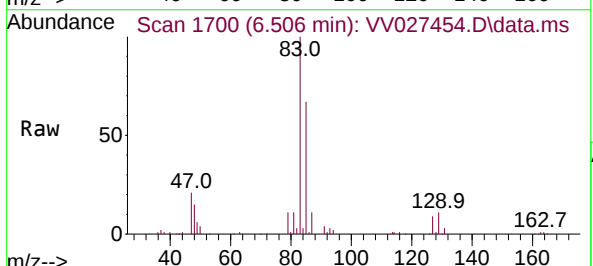
Tgt Ion: 83 Resp: 84866

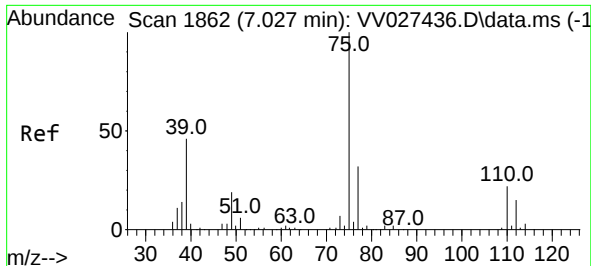
Ion Ratio Lower Upper

83 100

85 67.1 45.3 84.1

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.893 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

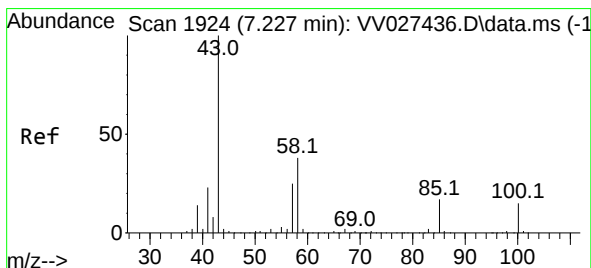
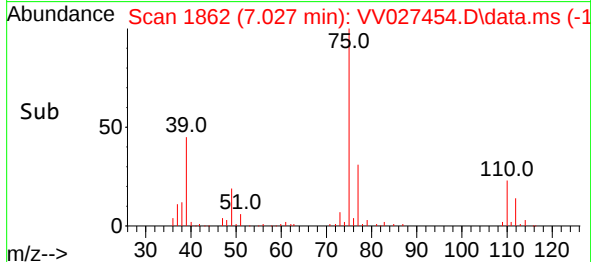
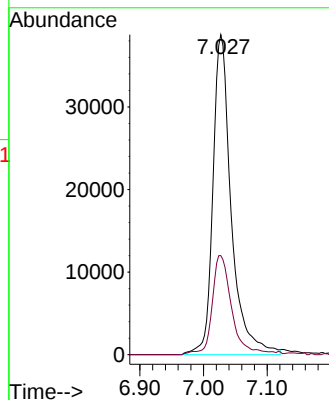
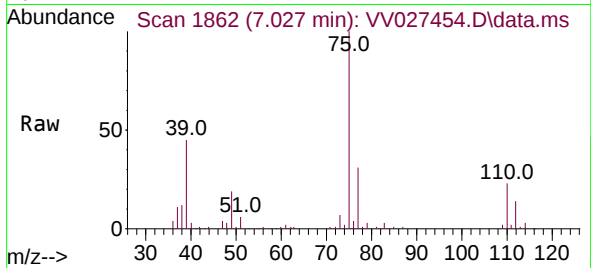
VSTD005377

Tgt Ion: 75 Resp: 77594

Ion Ratio Lower Upper

75 100

77 31.0 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 55.321 ug/L

RT: 7.226 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

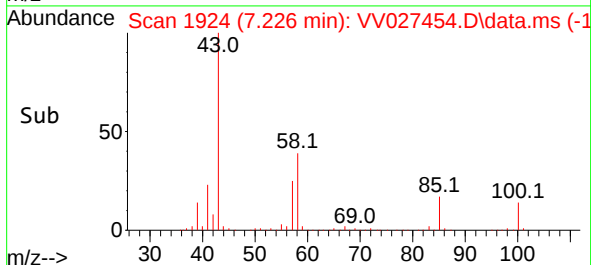
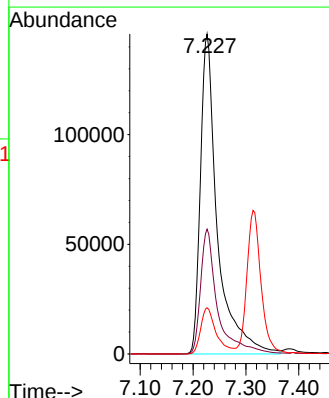
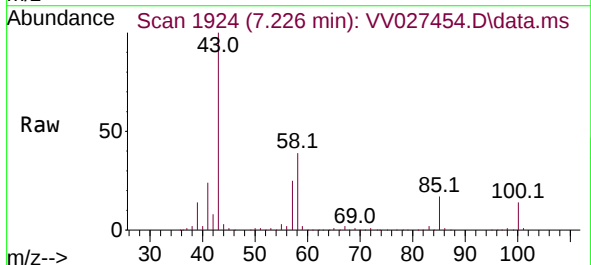
Tgt Ion: 43 Resp: 325098

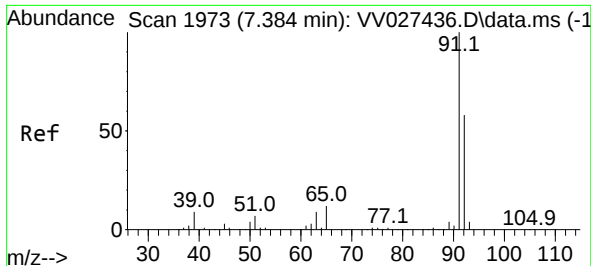
Ion Ratio Lower Upper

43 100

58 39.0 30.6 45.8

100 13.3 11.0 16.4





#42

Toluene

Concen: 5.366 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

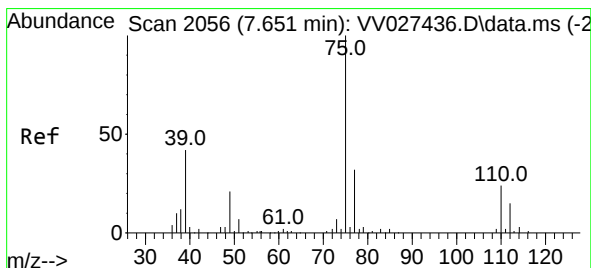
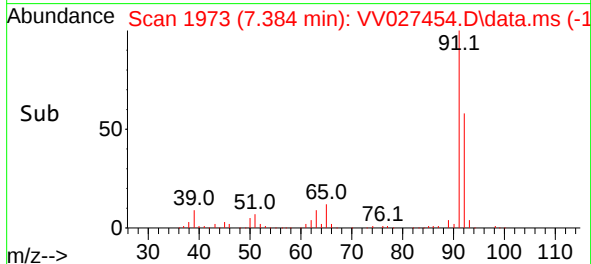
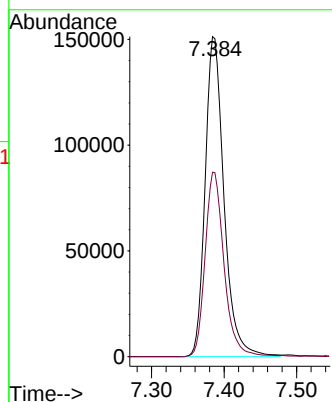
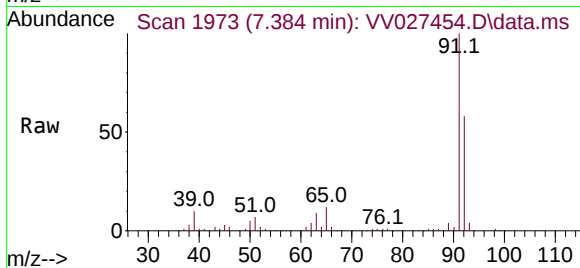
VSTD005377

Tgt Ion: 91 Resp: 273234

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.970 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VV027454.D

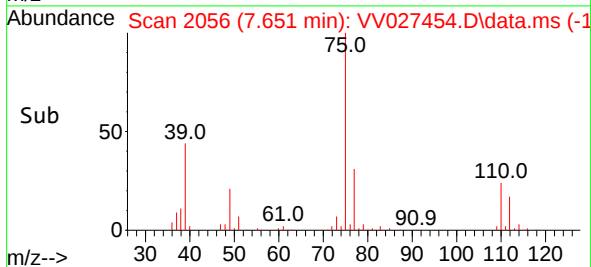
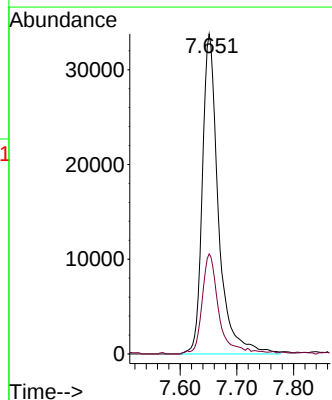
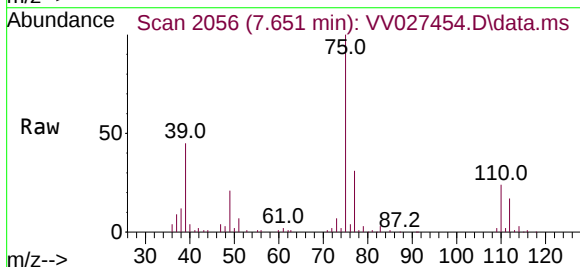
Acq: 19 Aug 2022 20:50

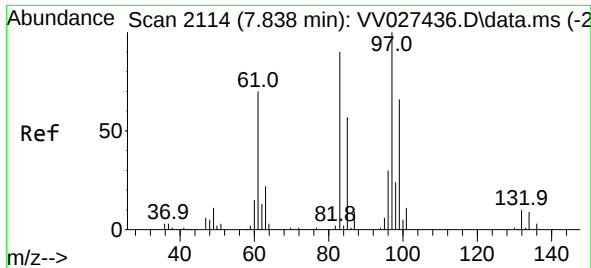
Tgt Ion: 75 Resp: 66628

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 5.242 ug/L

RT: 7.837 min Scan# 2114

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005377

Tgt Ion: 97 Resp: 44073

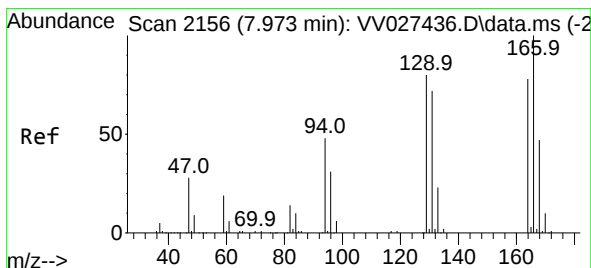
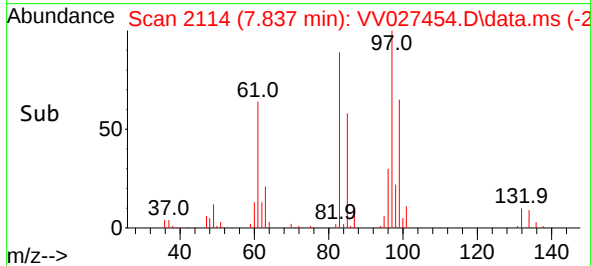
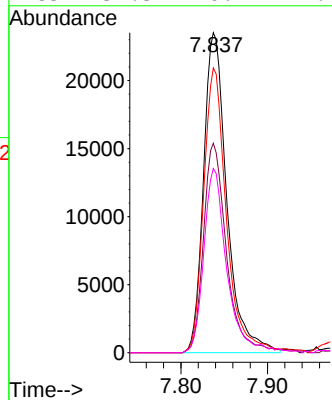
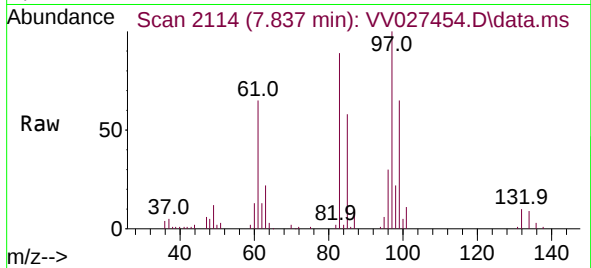
Ion Ratio Lower Upper

97 100

99 65.4 46.1 85.7

83 89.0 63.0 117.0

85 57.5 40.2 74.6



#47

Tetrachloroethene

Concen: 5.036 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Tgt Ion: 164 Resp: 50930

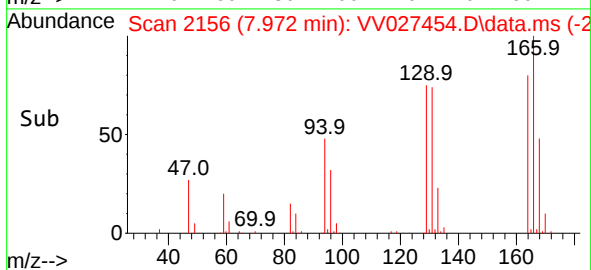
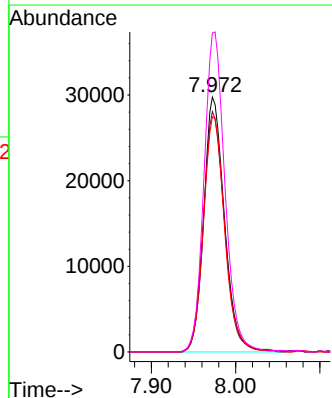
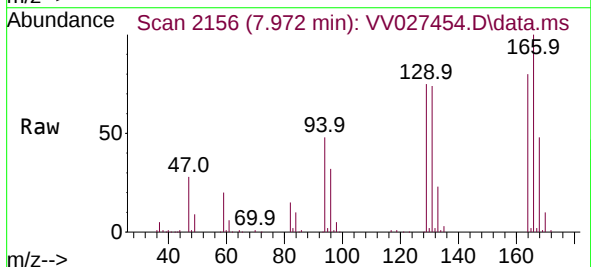
Ion Ratio Lower Upper

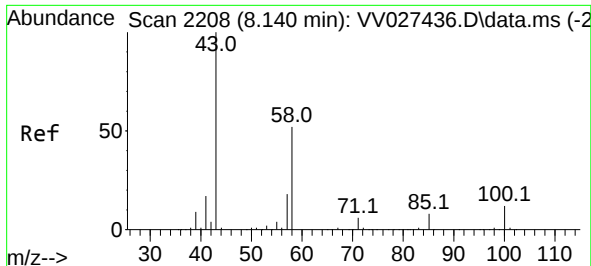
164 100

129 94.3 71.1 132.1

131 92.3 64.5 119.9

166 125.1 89.4 166.0



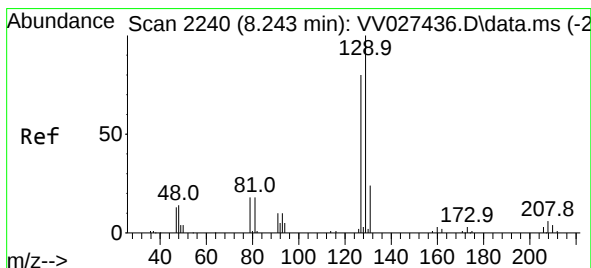
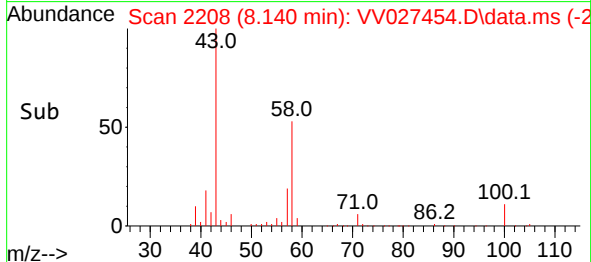
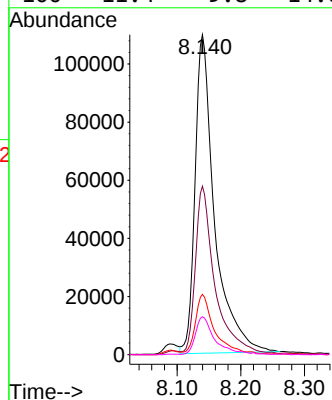
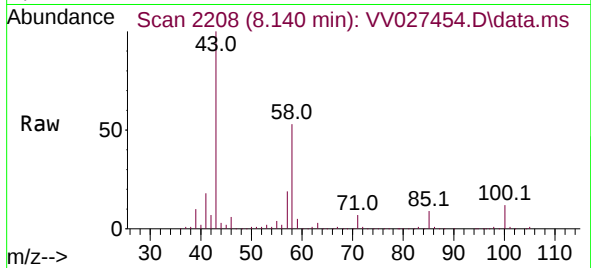


#48  
2-Hexanone  
Concen: 55.230 ug/L  
RT: 8.140 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005377

Tgt Ion: 43 Resp: 233873

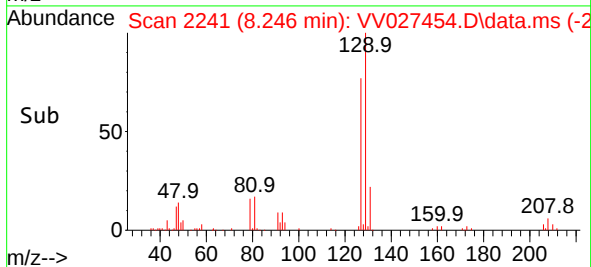
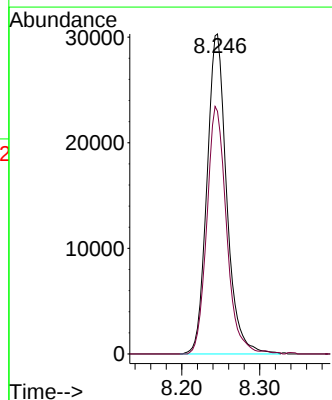
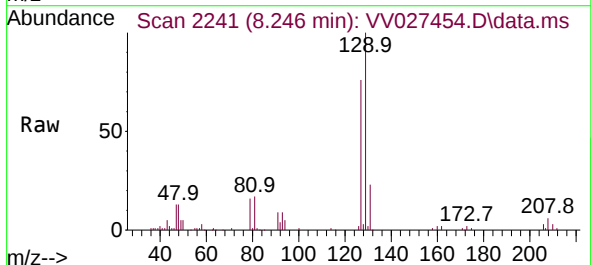
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 51.4  | 41.3  | 61.9  |
| 57  | 18.3  | 14.9  | 22.3  |
| 100 | 11.4  | 9.8   | 14.6  |

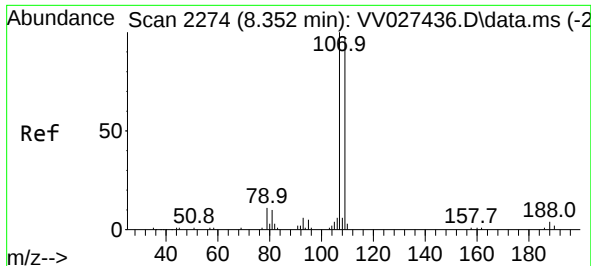


#49  
Dibromochloromethane  
Concen: 5.148 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. 0.003 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

Tgt Ion: 129 Resp: 53238

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 75.8  | 55.9  | 103.7 |

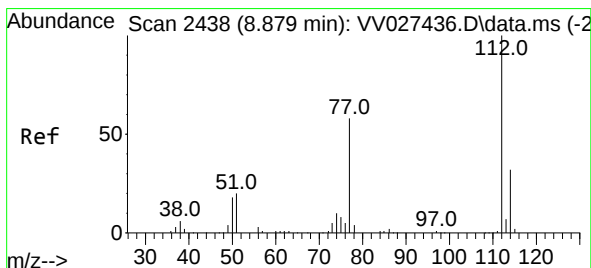
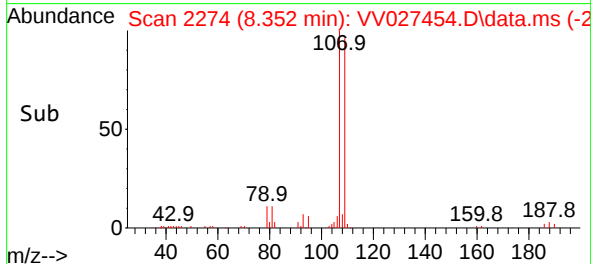
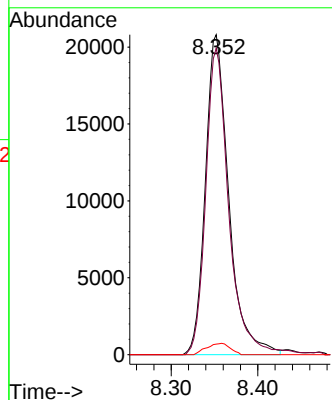
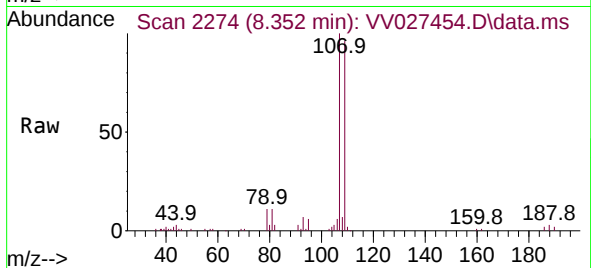




#50  
1,2-Dibromoethane  
Concen: 5.321 ug/L  
RT: 8.352 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

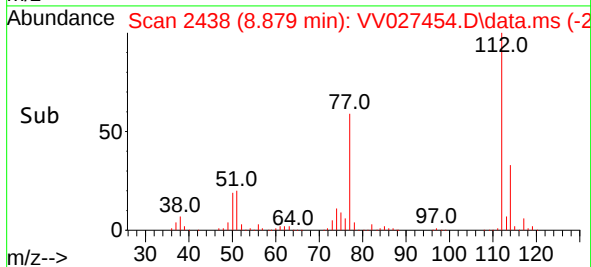
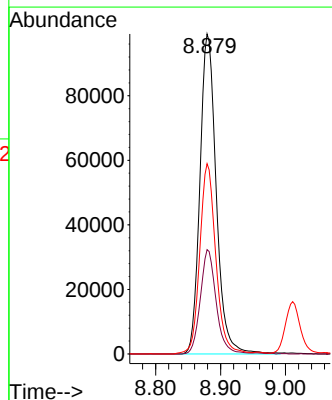
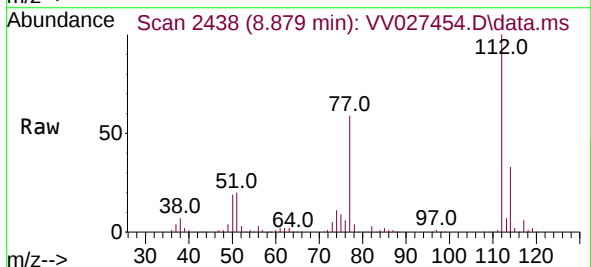
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005377

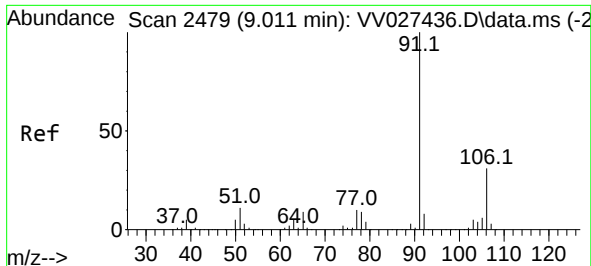
Tgt Ion:107 Resp: 39055  
Ion Ratio Lower Upper  
107 100  
109 95.7 67.8 125.8  
188 3.3 3.5 5.3#



#51  
Chlorobenzene  
Concen: 5.272 ug/L  
RT: 8.879 min Scan# 2438  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

Tgt Ion:112 Resp: 173758  
Ion Ratio Lower Upper  
112 100  
114 32.6 22.7 42.1  
77 59.5 46.2 69.4

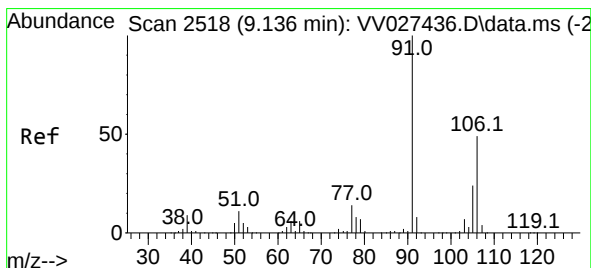
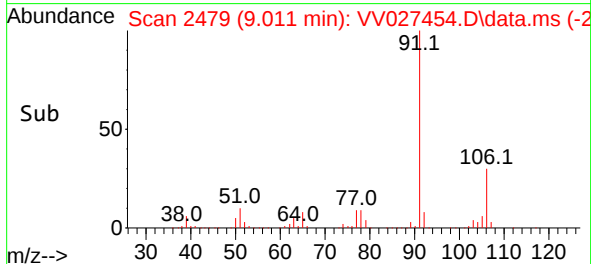
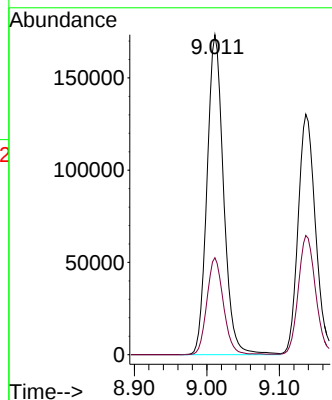
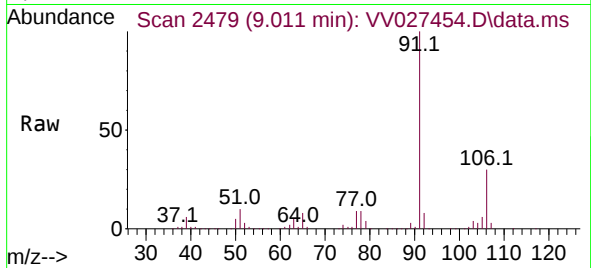




#52  
Ethylbenzene  
Concen: 5.286 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

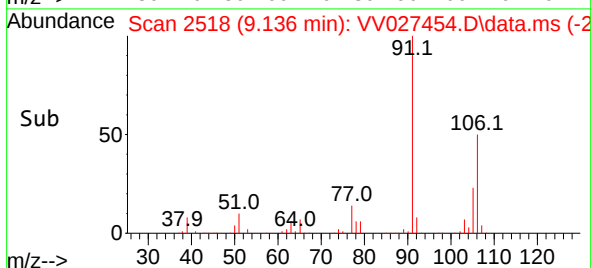
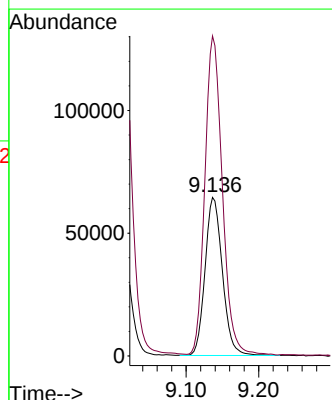
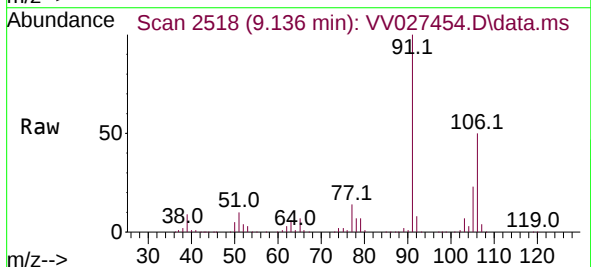
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005377

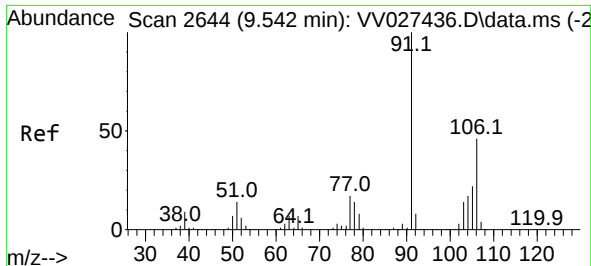
Tgt Ion: 91 Resp: 274736  
Ion Ratio Lower Upper  
91 100  
106 30.3 21.4 39.8



#53  
m,p-Xylene  
Concen: 5.382 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

Tgt Ion: 106 Resp: 107048  
Ion Ratio Lower Upper  
106 100  
91 201.8 143.8 267.0

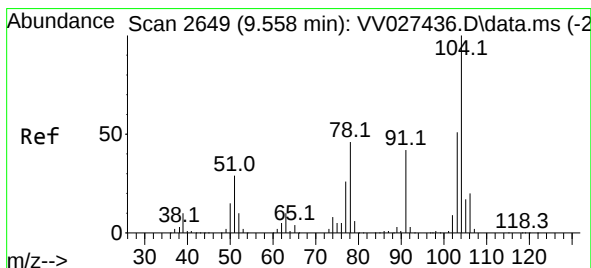
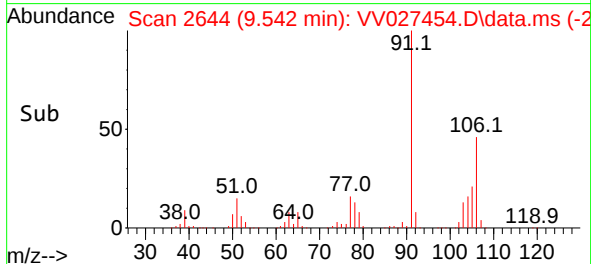
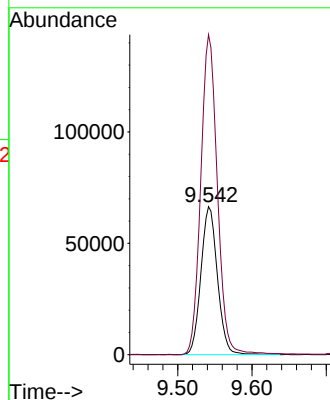
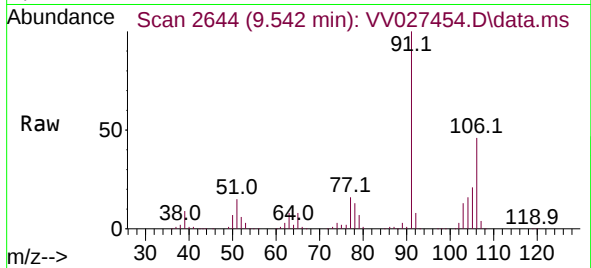




#54  
o-Xylene  
Concen: 5.321 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

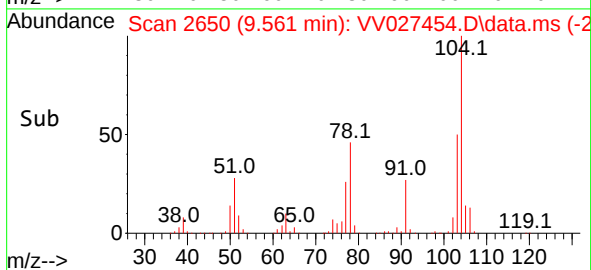
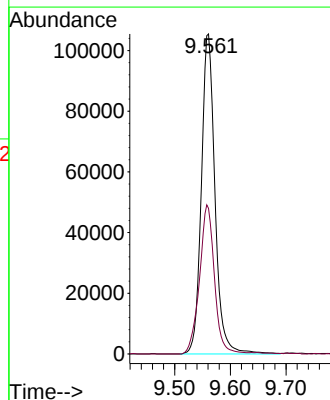
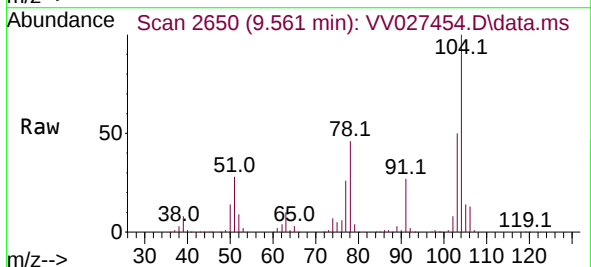
Instrument : MSVOA\_V  
ClientSampleId : VSTD005377

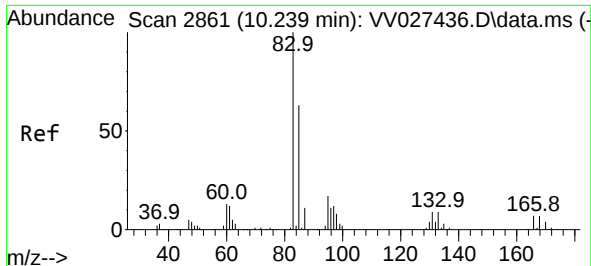
Tgt Ion:106 Resp: 102663  
Ion Ratio Lower Upper  
106 100  
91 216.2 151.6 281.6



#55  
Styrene  
Concen: 5.484 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.003 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

Tgt Ion:104 Resp: 179995  
Ion Ratio Lower Upper  
104 100  
78 45.5 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.315 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005377

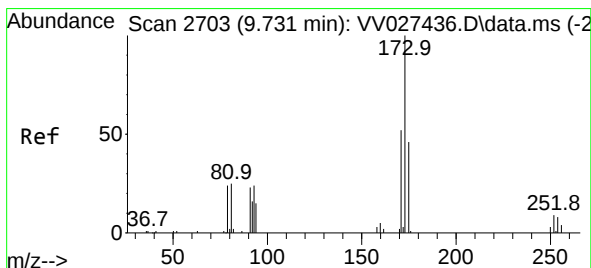
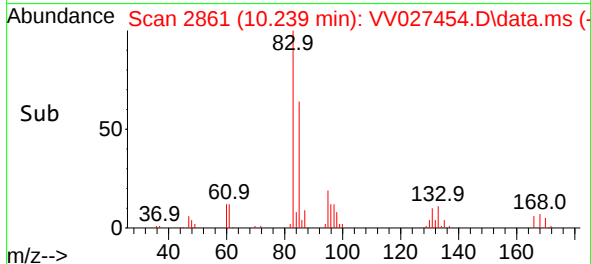
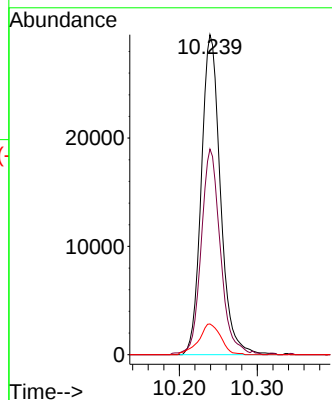
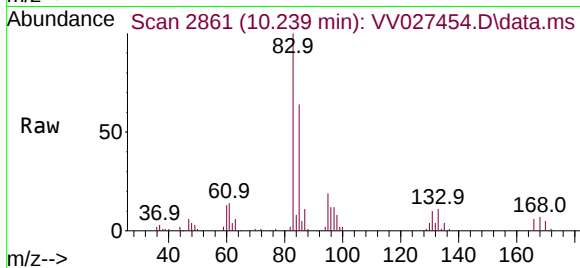
Tgt Ion: 83 Resp: 50339

Ion Ratio Lower Upper

83 100

85 64.2 44.1 81.9

131 9.6 7.3 10.9



#59

Bromoform

Concen: 4.809 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

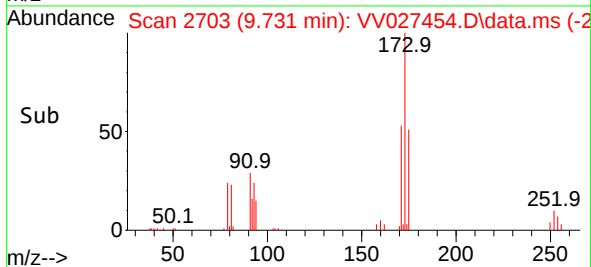
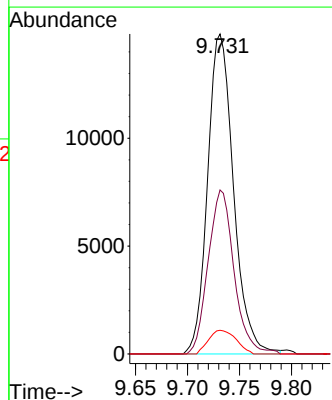
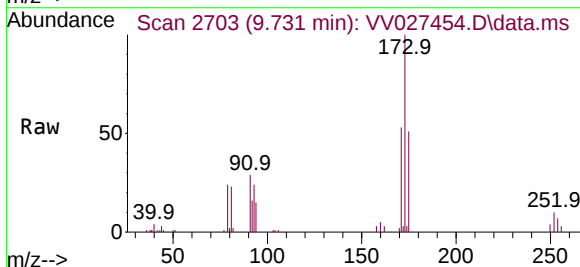
Tgt Ion: 173 Resp: 25722

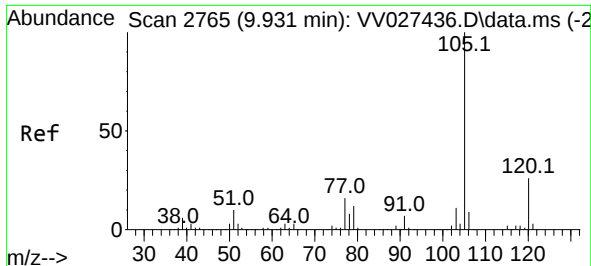
Ion Ratio Lower Upper

173 100

175 51.2 39.0 58.6

254 7.9 7.1 10.7

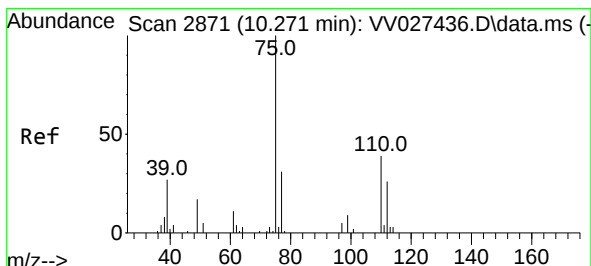
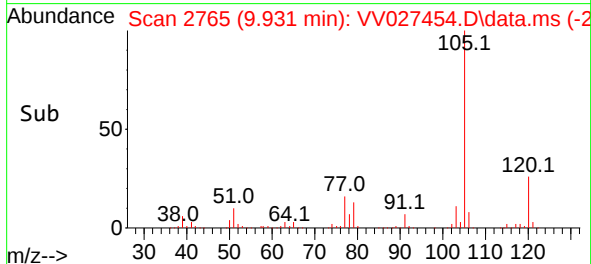
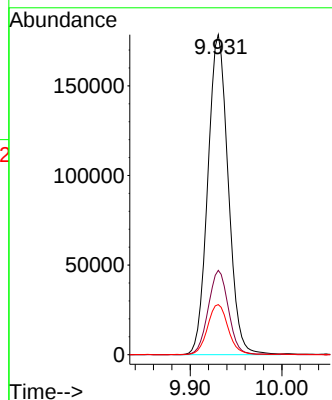
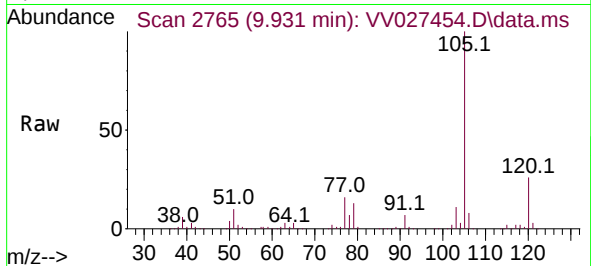




#60  
Isopropylbenzene  
Concen: 5.241 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

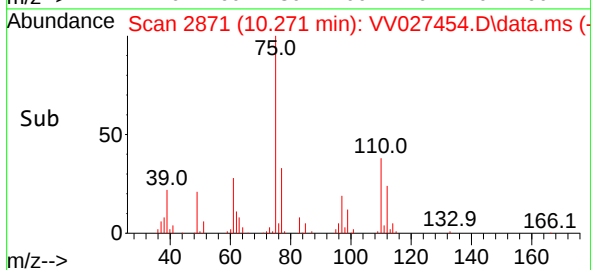
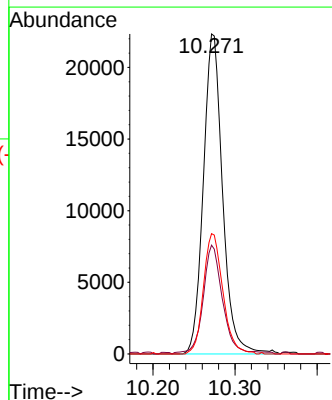
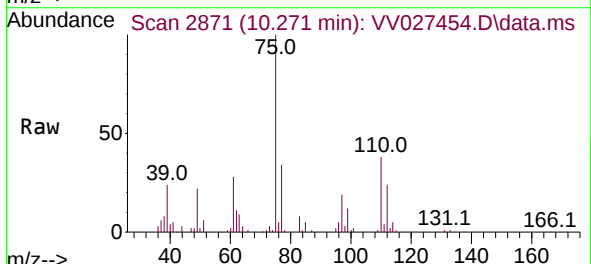
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005377

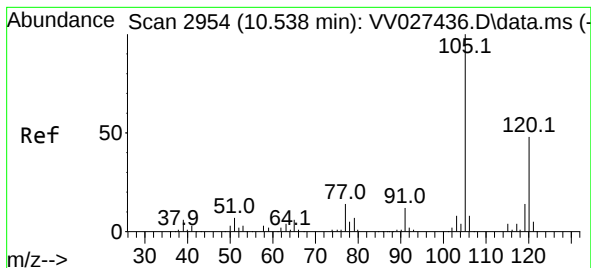
Tgt Ion:105 Resp: 275245  
Ion Ratio Lower Upper  
105 100  
120 26.2 20.9 31.3  
77 15.7 13.0 19.6



#61  
1,2,3-Trichloropropane  
Concen: 5.203 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

Tgt Ion: 75 Resp: 36432  
Ion Ratio Lower Upper  
75 100  
77 34.5 26.2 39.2  
110 37.9 29.9 44.9





#62

1,3,5-Trimethylbenzene

Concen: 4.891 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

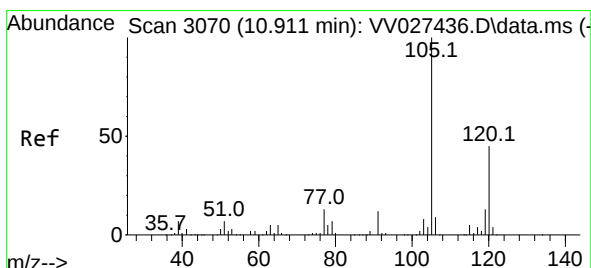
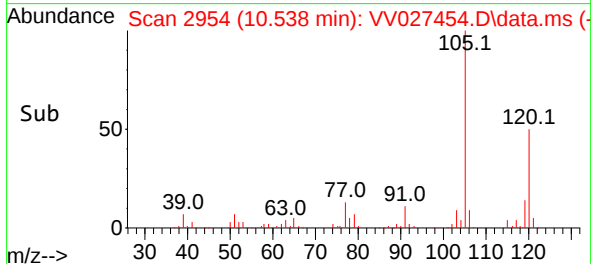
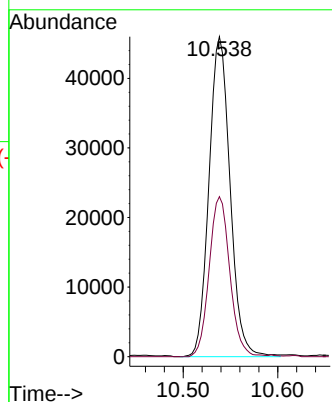
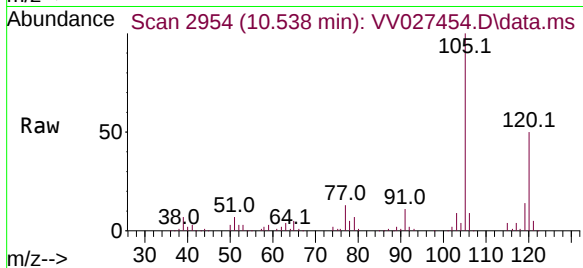
VSTD005377

Tgt Ion:105 Resp: 71218

Ion Ratio Lower Upper

105 100

120 48.9 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 5.009 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV027454.D

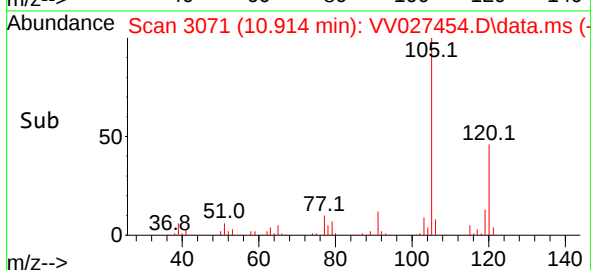
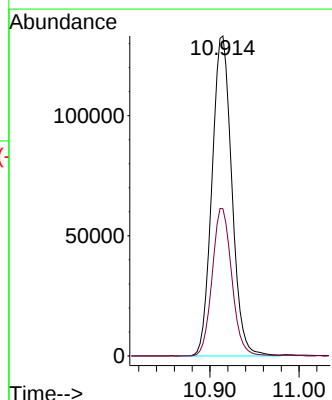
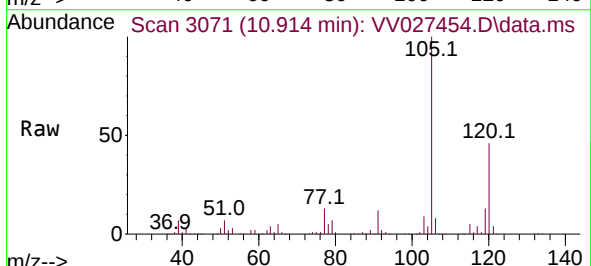
Acq: 19 Aug 2022 20:50

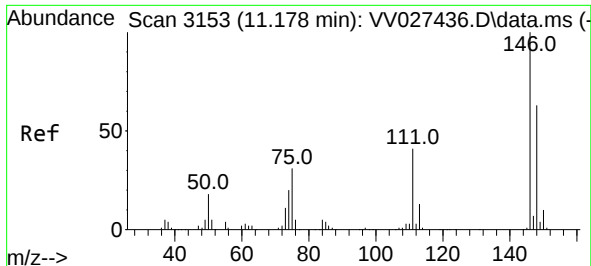
Tgt Ion:105 Resp: 205529

Ion Ratio Lower Upper

105 100

120 45.7 35.8 53.6

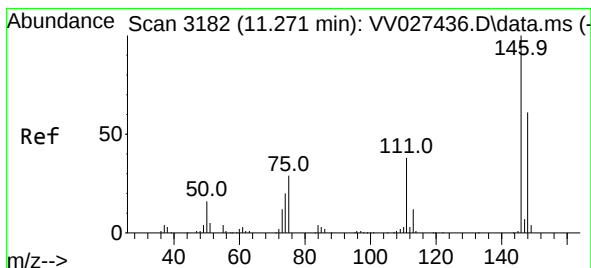
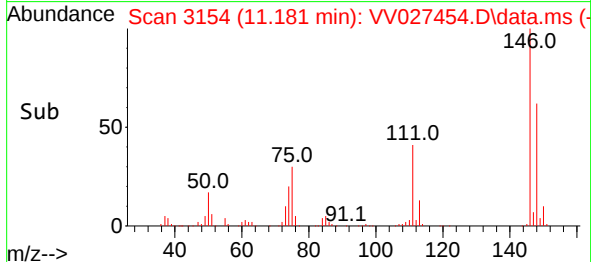
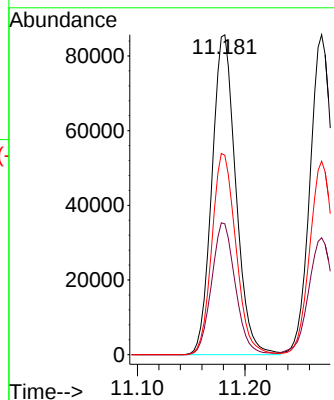
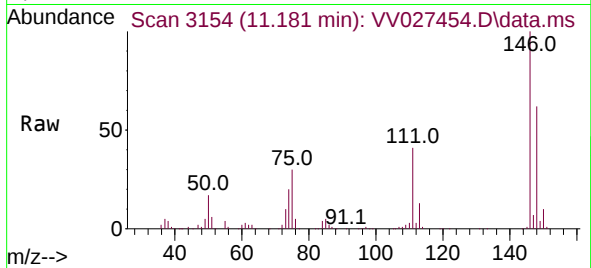




#64  
1,3-Dichlorobenzene  
Concen: 5.112 ug/L  
RT: 11.181 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

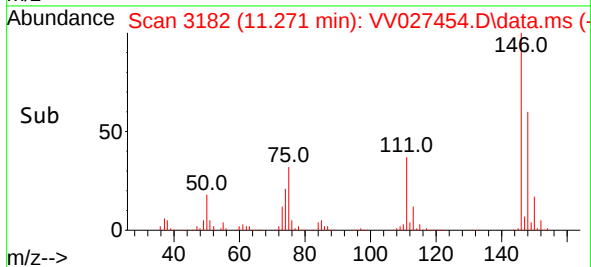
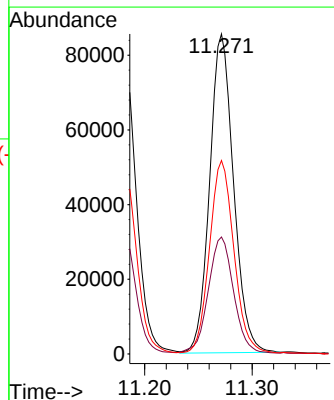
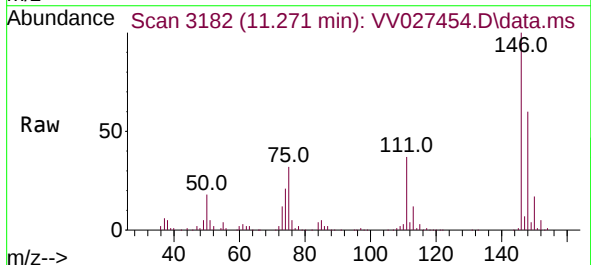
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005377

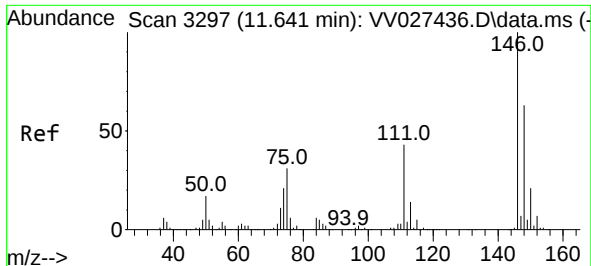
Tgt Ion:146 Resp: 132260  
Ion Ratio Lower Upper  
146 100  
111 40.9 28.8 53.4  
148 62.3 44.0 81.6



#65  
1,4-Dichlorobenzene  
Concen: 5.110 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. -0.000 min  
Lab File: VV027454.D  
Acq: 19 Aug 2022 20:50

Tgt Ion:146 Resp: 131810  
Ion Ratio Lower Upper  
146 100  
111 36.6 26.6 49.4  
148 60.4 42.6 79.0





#67

1,2-Dichlorobenzene

Concen: 5.111 ug/L

RT: 11.641 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005377

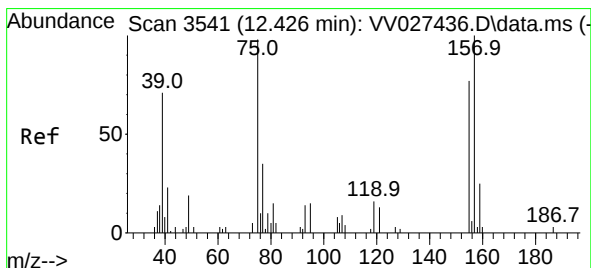
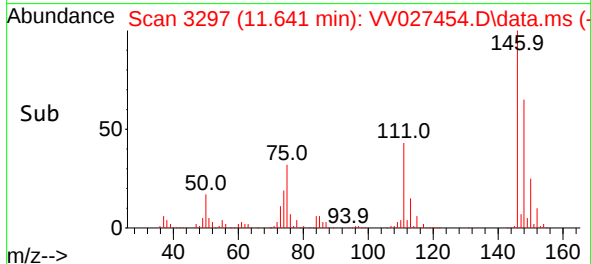
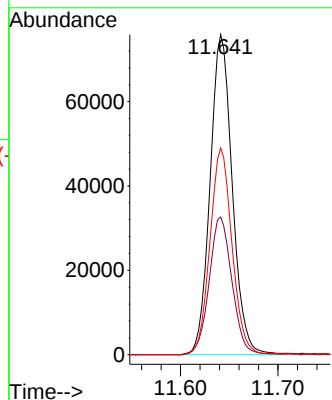
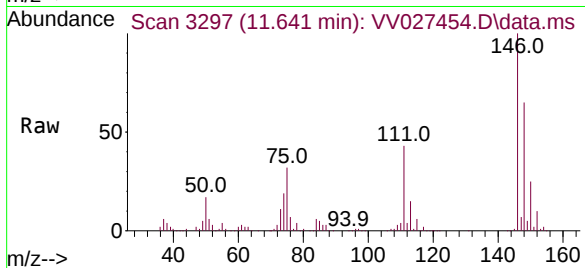
Tgt Ion:146 Resp: 119894

Ion Ratio Lower Upper

146 100

111 43.1 34.5 51.7

148 64.6 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.053 ug/L

RT: 12.429 min Scan# 3542

Delta R.T. 0.003 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

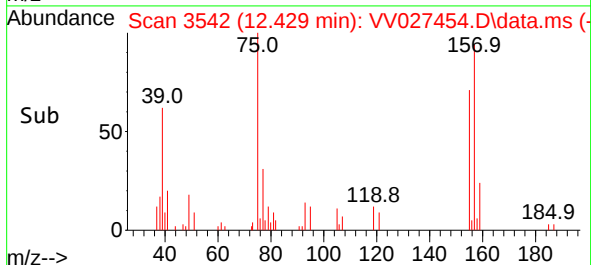
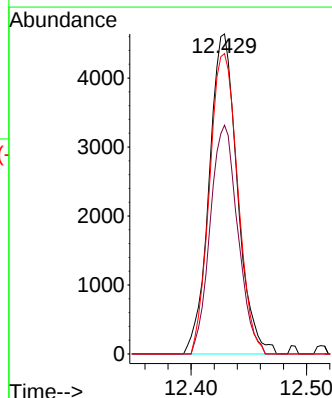
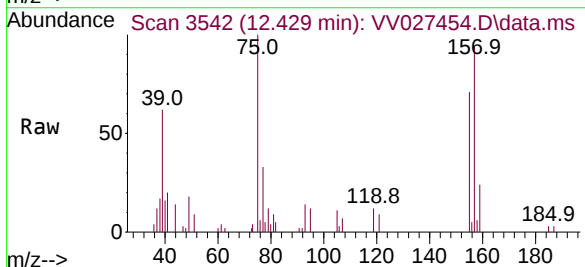
Tgt Ion: 75 Resp: 7860

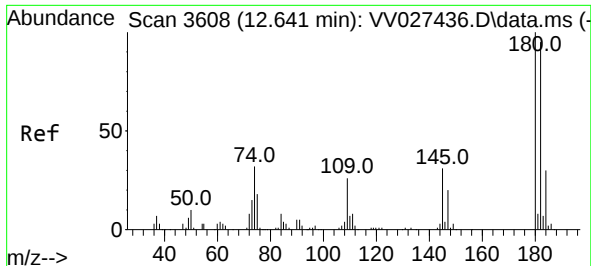
Ion Ratio Lower Upper

75 100

155 71.5 63.1 94.7

157 93.8 81.8 122.8





#69

1,3,5-Trichlorobenzene

Concen: 4.916 ug/L

RT: 12.644 min Scan# 3608

Delta R.T. 0.003 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005377

Tgt Ion:180 Resp: 94956

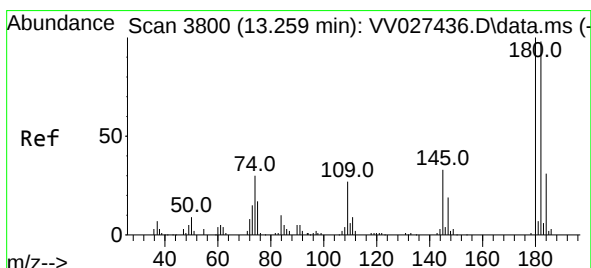
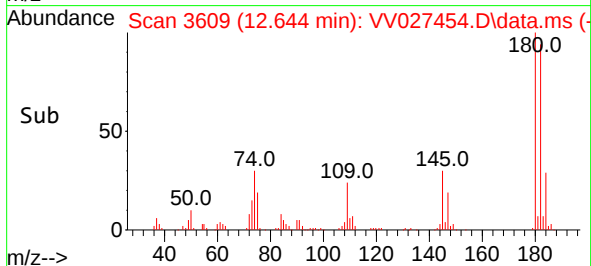
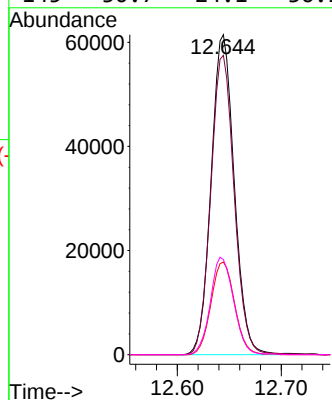
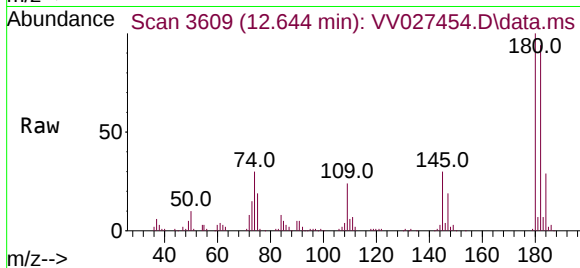
Ion Ratio Lower Upper

180 100

182 94.7 74.1 111.1

184 29.6 23.2 34.8

145 30.7 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 5.005 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

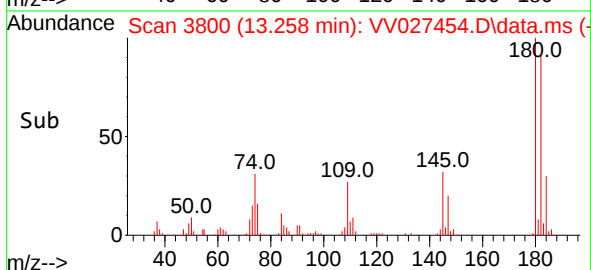
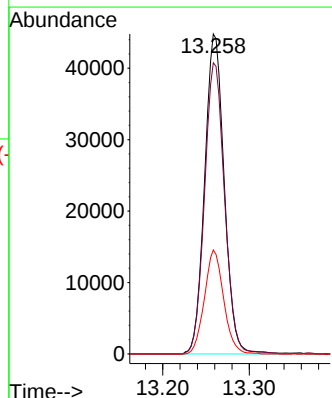
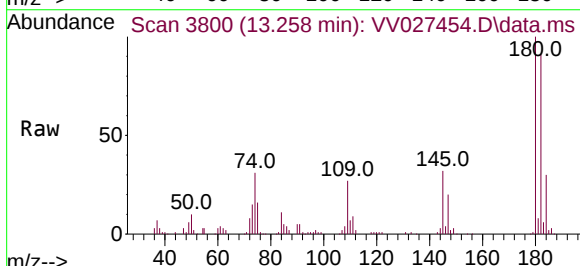
Tgt Ion:180 Resp: 70252

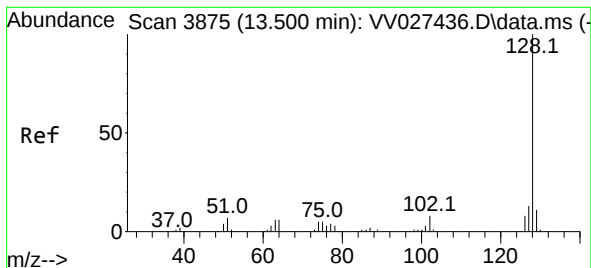
Ion Ratio Lower Upper

180 100

182 93.4 76.0 114.0

145 32.0 24.9 37.3





#71

Naphthalene

Concen: 4.898 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005377

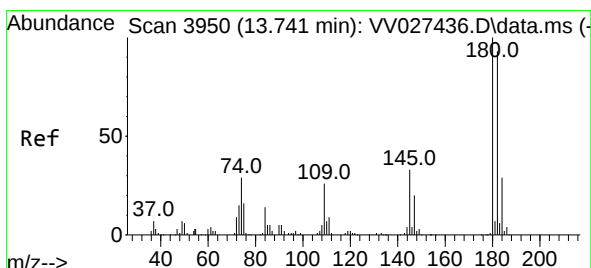
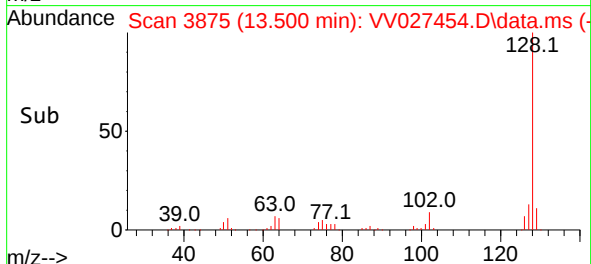
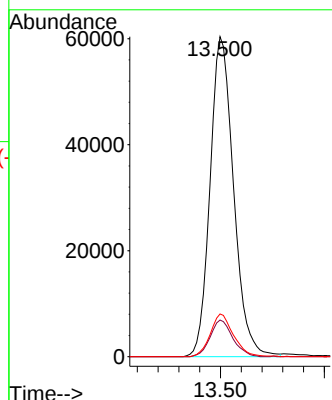
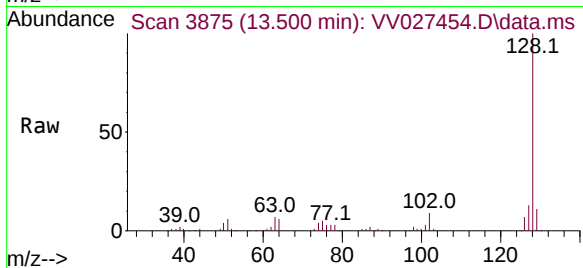
Tgt Ion:128 Resp: 94889

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.2 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.151 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.000 min

Lab File: VV027454.D

Acq: 19 Aug 2022 20:50

Tgt Ion:180 Resp: 64215

Ion Ratio Lower Upper

180 100

182 94.8 75.3 112.9

145 33.4 26.6 39.8

