

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW051022\  
 Data File : VW025862.D  
 Acq On : 10 May 2022 15:51  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050291

Quant Time: May 11 04:07:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM051022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 11 03:58:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612   | 114   | 476322   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850   | 117   | 478457   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246  | 152   | 270349   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.310   | 65    | 232574   | 37.833   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 75.660%  |
| 7) Chloroethane-d5            | 1.571   | 69    | 216077   | 40.025   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 80.060%  |
| 11) 1,1-Dichloroethene-d2     | 2.111   | 63    | 437137   | 40.658   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 81.320%  |
| 21) 2-Butanone-d5             | 3.883   | 46    | 245722   | 93.259   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 93.260%  |
| 24) Chloroform-d              | 4.346   | 84    | 359860   | 41.911   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 83.820%  |
| 26) 1,2-Dichloroethane-d4     | 5.027   | 65    | 222538   | 42.884   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 85.760%  |
| 32) Benzene-d6                | 5.047   | 84    | 722310   | 43.305   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.066   | 67    | 223806   | 43.687   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 87.380%  |
| 41) Toluene-d8                | 7.313   | 98    | 682922   | 44.437   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 88.880%  |
| 43) trans-1,3-Dichloroprop... | 7.619   | 79    | 109129   | 47.720   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.440%  |
| 47) 2-Hexanone-d5             | 8.085   | 63    | 190730   | 101.549  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 101.550% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214  | 84    | 310834   | 45.498   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 91.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622  | 152   | 262657   | 44.291   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 88.580%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130   | 85    | 228279   | 46.354   | ug/L   | 100      |
| 3) Chloromethane              | 1.243   | 50    | 261897   | 43.972   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.314   | 62    | 273824   | 45.221   | ug/L   | 99       |
| 6) Bromomethane               | 1.526   | 94    | 176590   | 47.993   | ug/L   | 100      |
| 8) Chloroethane               | 1.587   | 64    | 211021   | 46.664   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.754   | 101   | 392812   | 45.648   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117   | 101   | 214038   | 46.815   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.117   | 96    | 208185   | 46.297   | ug/L   | 96       |
| 13) Acetone                   | 2.179   | 43    | 178944   | 99.523   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.294   | 76    | 523766   | 47.091   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.433   | 43    | 190927   | 49.564   | ug/L   | 100      |
| 16) Methylene chloride        | 2.506   | 84    | 209483   | 48.095   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.760   | 96    | 189253   | 48.987   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.767   | 73    | 613274   | 54.581   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.188   | 63    | 354108   | 49.073   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.908   | 96    | 212835   | 51.038   | ug/L   | 100      |
| 22) 2-Butanone                | 3.966   | 43    | 254971   | 106.334  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.246   | 128   | 110276   | 50.065   | ug/L   | 99       |
| 25) Chloroform                | 4.371   | 83    | 368293   | 48.164   | ug/L   | 100      |

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 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

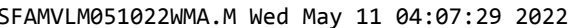
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050291

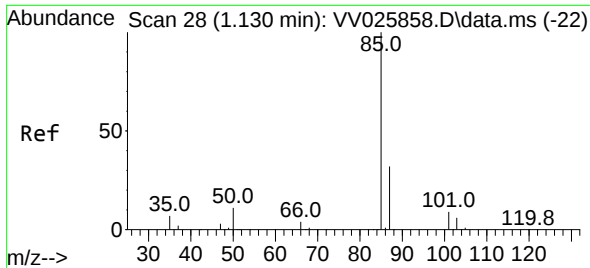
Quant Time: May 11 04:07:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM051022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 11 03:58:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 284500   | 49.211  | ug/L  | 100      |
| 29) Cyclohexane               | 4.677  | 56   | 310153   | 53.544  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 317928   | 48.928  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 271210   | 49.715  | ug/L  | 100      |
| 33) Benzene                   | 5.095  | 78   | 827659   | 51.375  | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 212339   | 50.392  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.127  | 83   | 345895   | 54.809  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 214417   | 52.982  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 283182   | 51.745  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 333353   | 57.762  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 535451   | 113.190 | ug/L  | 99       |
| 42) Toluene                   | 7.384  | 91   | 907694   | 52.521  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.645  | 75   | 311861   | 56.169  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 213390   | 51.894  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.973  | 164  | 156920   | 50.485  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.136  | 43   | 419045   | 113.849 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.243  | 129  | 220399   | 54.339  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 219131   | 52.404  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.879  | 112  | 575317   | 51.986  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.008  | 91   | 977068   | 54.798  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.136  | 106  | 384996   | 55.668  | ug/L  | 98       |
| 54) o-Xylene                  | 9.542  | 106  | 380830   | 56.057  | ug/L  | 100      |
| 55) Styrene                   | 9.558  | 104  | 663612   | 56.060  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 329332   | 53.678  | ug/L  | 100      |
| 59) Bromoform                 | 9.728  | 173  | 142042   | 54.466  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.927  | 105  | 990996   | 54.725  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 267504   | 49.990  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 536958   | 57.526  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 837412   | 57.823  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 451776   | 52.705  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 461372   | 51.360  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 455950   | 51.426  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 67948    | 55.000  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 323414   | 54.644  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 286786   | 56.903  | ug/L  | 99       |
| 71) Naphthalene               | 13.500 | 128  | 910933   | 61.031  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 287030   | 55.887  | ug/L  | 99       |

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

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Response via : Initial Calibration

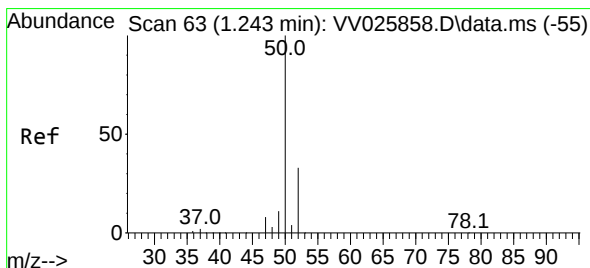
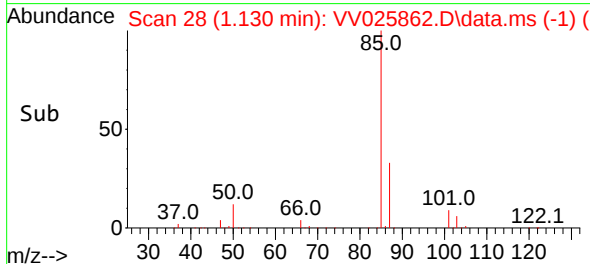
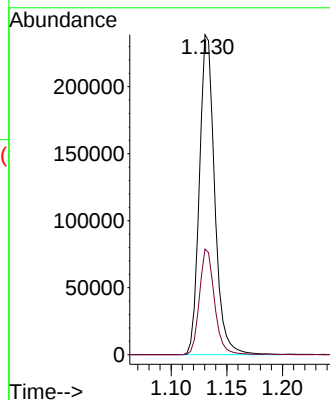
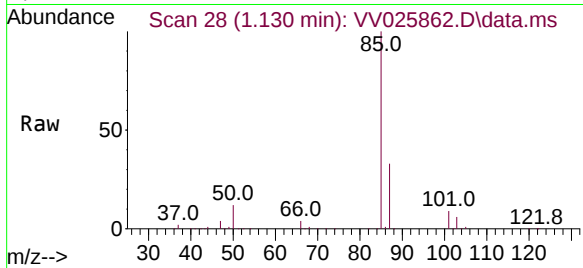




#2  
 Dichlorodifluoromethane  
 Concen: 46.354 ug/L  
 RT: 1.130 min Scan# 28  
 Delta R.T. -0.000 min  
 Lab File: VV025862.D  
 Acq: 10 May 2022 15:51

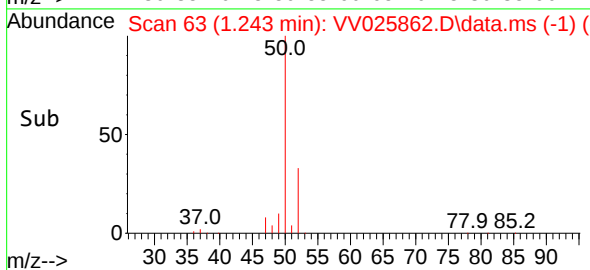
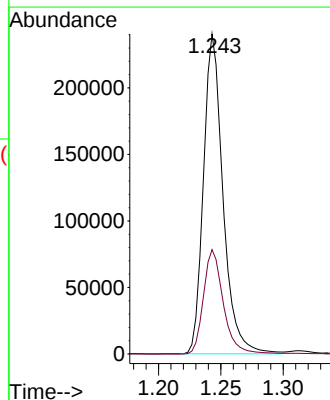
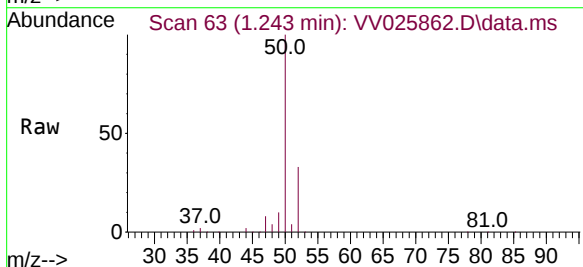
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050291

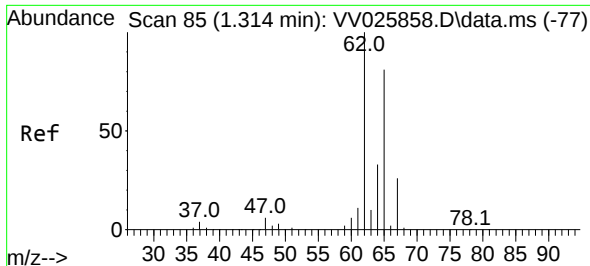
Tgt Ion: 85 Resp: 228279  
 Ion Ratio Lower Upper  
 85 100  
 87 32.5 26.0 39.0



#3  
 Chloromethane  
 Concen: 43.972 ug/L  
 RT: 1.243 min Scan# 63  
 Delta R.T. -0.000 min  
 Lab File: VV025862.D  
 Acq: 10 May 2022 15:51

Tgt Ion: 50 Resp: 261897  
 Ion Ratio Lower Upper  
 50 100  
 52 32.6 23.2 43.2

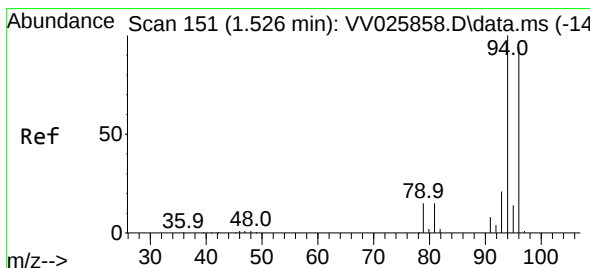
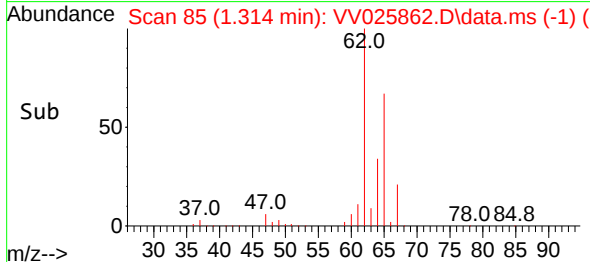
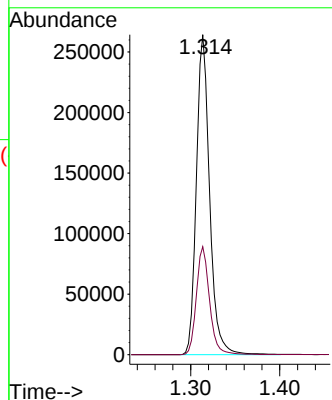
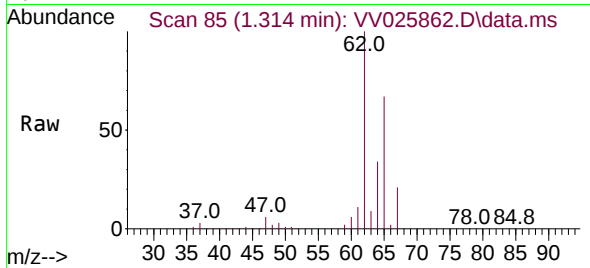




#5  
 Vinyl chloride  
 Concen: 45.221 ug/L  
 RT: 1.314 min Scan# 85  
 Delta R.T. -0.000 min  
 Lab File: VV025862.D  
 Acq: 10 May 2022 15:51

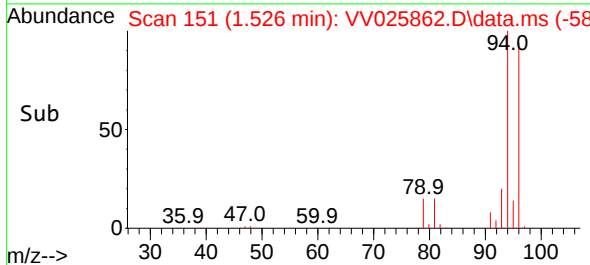
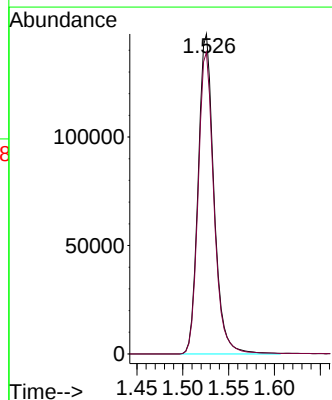
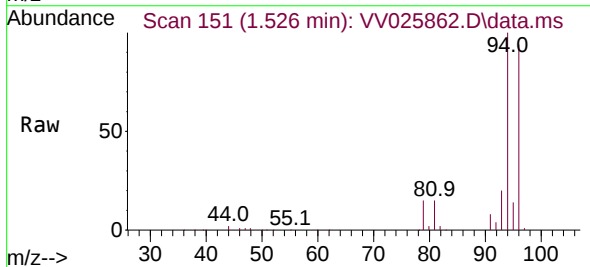
Instrument :  
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 ClientSampleId :  
 VSTD050291

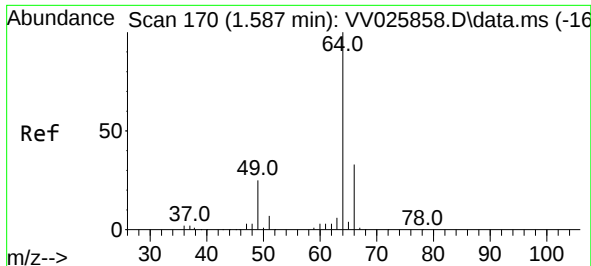
Tgt Ion: 62 Resp: 273824  
 Ion Ratio Lower Upper  
 62 100  
 64 33.7 23.2 43.0



#6  
 Bromomethane  
 Concen: 47.993 ug/L  
 RT: 1.526 min Scan# 151  
 Delta R.T. -0.000 min  
 Lab File: VV025862.D  
 Acq: 10 May 2022 15:51

Tgt Ion: 94 Resp: 176590  
 Ion Ratio Lower Upper  
 94 100  
 96 94.3 65.9 122.3

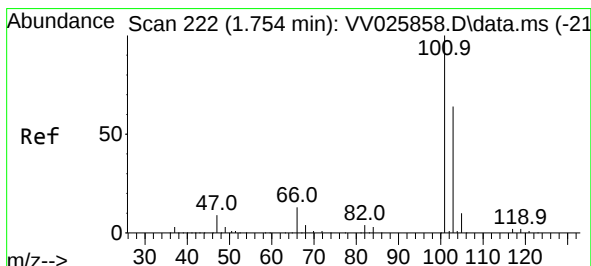
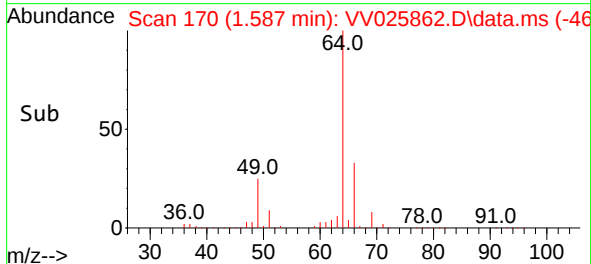
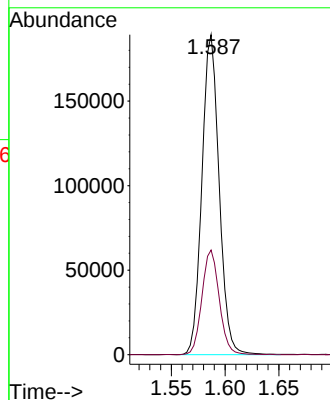
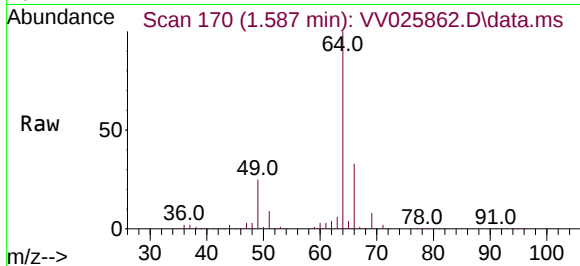




#8  
Chloroethane  
Concen: 46.664 ug/L  
RT: 1.587 min Scan# 170  
Delta R.T. -0.000 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

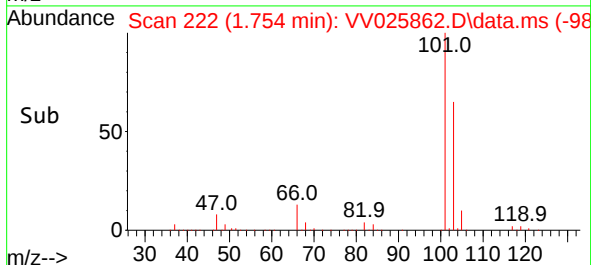
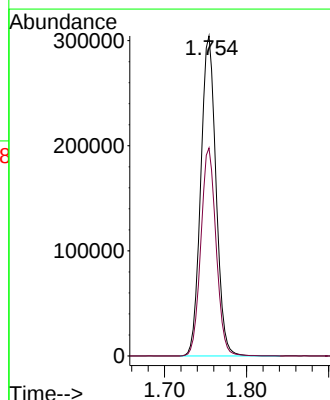
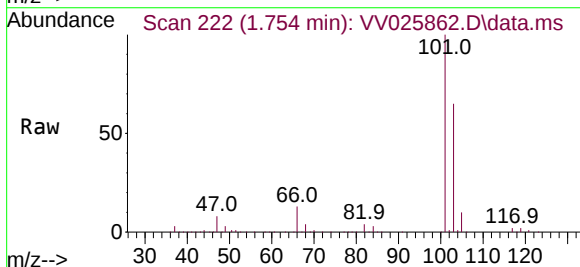
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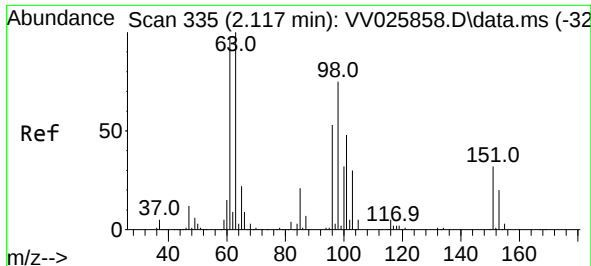
Tgt Ion: 64 Resp: 211021  
Ion Ratio Lower Upper  
64 100  
66 32.7 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 45.648 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Tgt Ion:101 Resp: 392812  
Ion Ratio Lower Upper  
101 100  
103 65.0 51.5 77.3

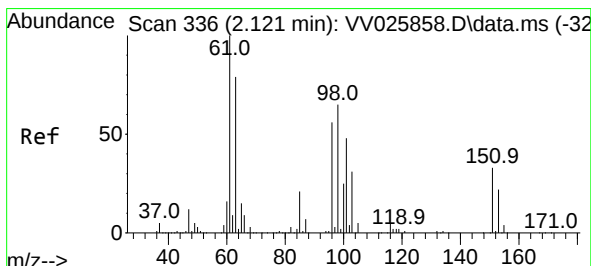
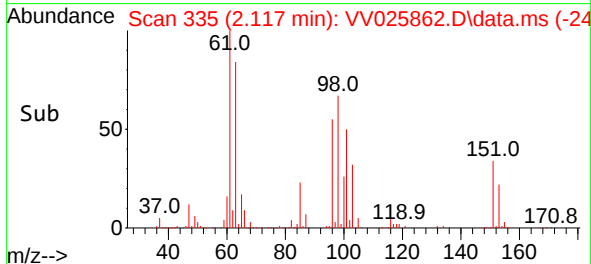
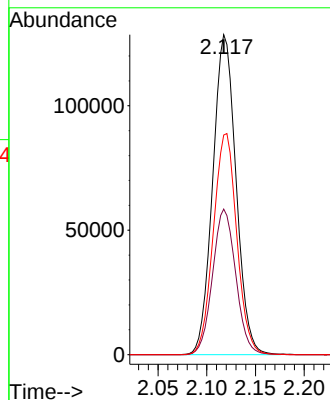
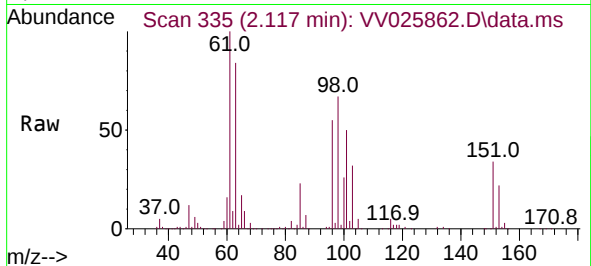




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 46.815 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. -0.000 min  
 Lab File: VV025862.D  
 Acq: 10 May 2022 15:51

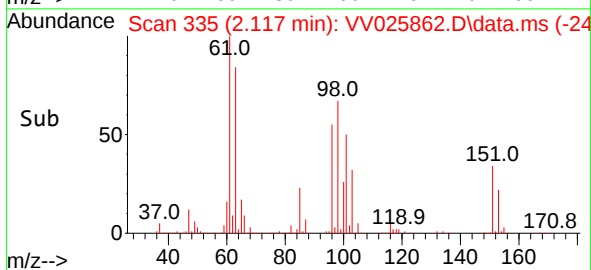
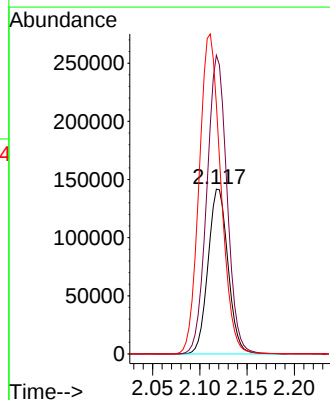
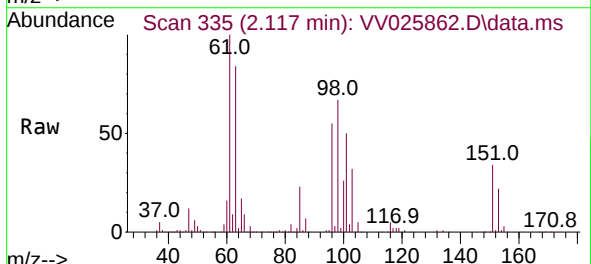
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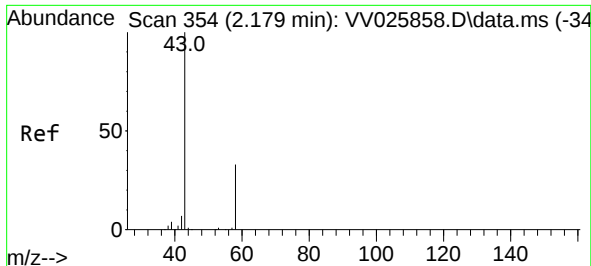
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 Ion Ratio Lower Upper  
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 151 69.5 54.3 81.5



#12  
 1,1-Dichloroethene  
 Concen: 46.297 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. -0.003 min  
 Lab File: VV025862.D  
 Acq: 10 May 2022 15:51

Tgt Ion: 96 Resp: 208185  
 Ion Ratio Lower Upper  
 96 100  
 61 181.3 124.6 231.4  
 63 151.6 101.6 188.6





#13

Acetone

Concen: 99.523 ug/L

RT: 2.179 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

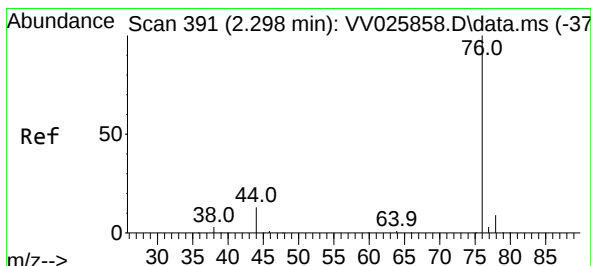
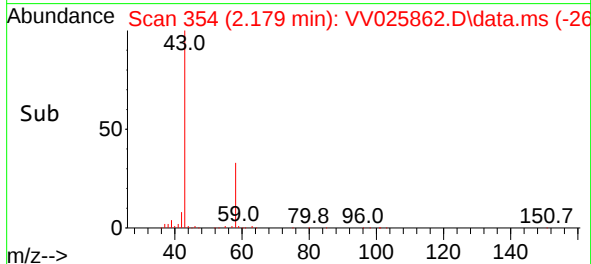
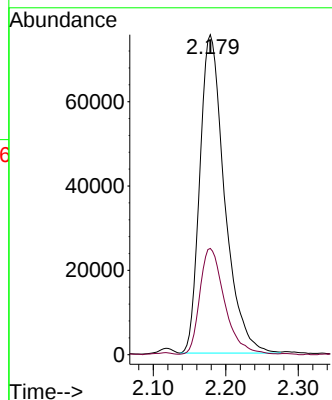
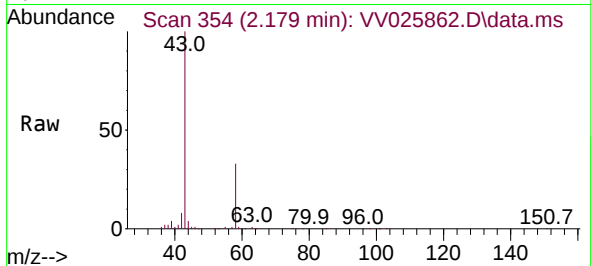
VSTD050291

Tgt Ion: 43 Resp: 178944

Ion Ratio Lower Upper

43 100

58 33.7 0.0 65.0



#14

Carbon disulfide

Concen: 47.091 ug/L

RT: 2.294 min Scan# 390

Delta R.T. -0.003 min

Lab File: VV025862.D

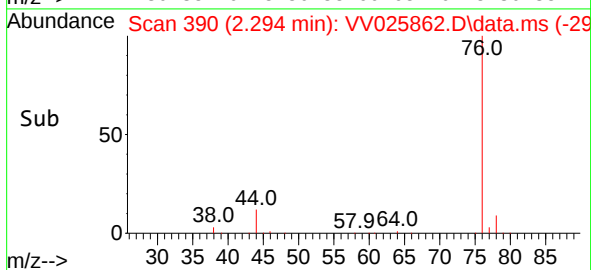
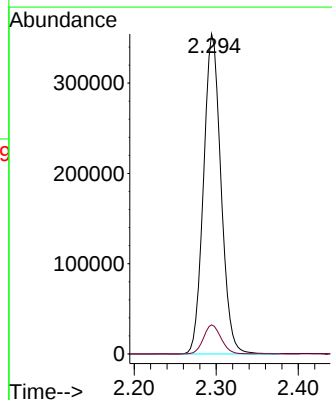
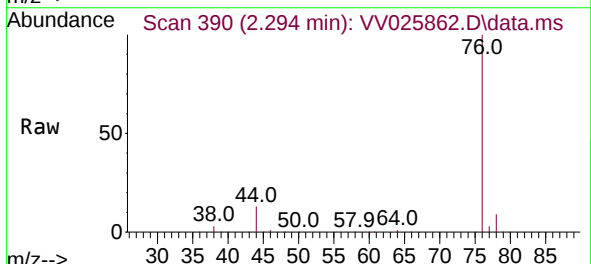
Acq: 10 May 2022 15:51

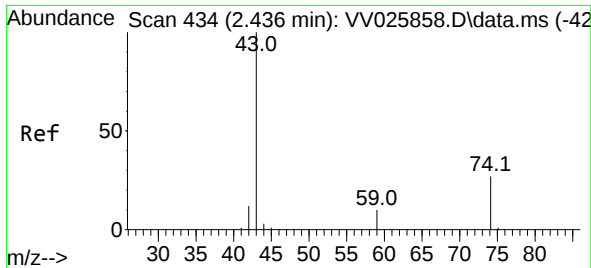
Tgt Ion: 76 Resp: 523766

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

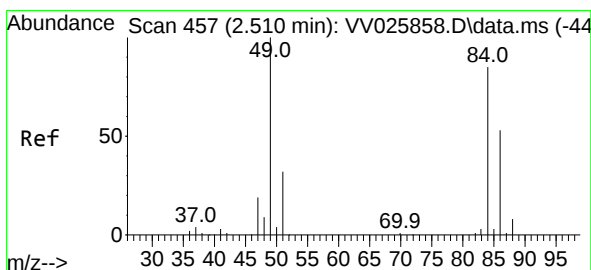
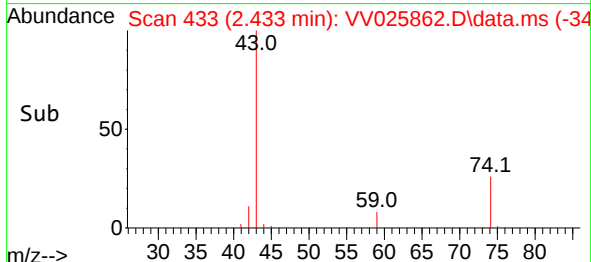
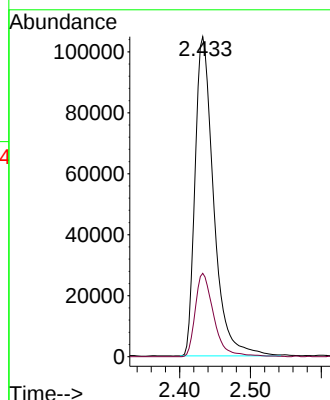
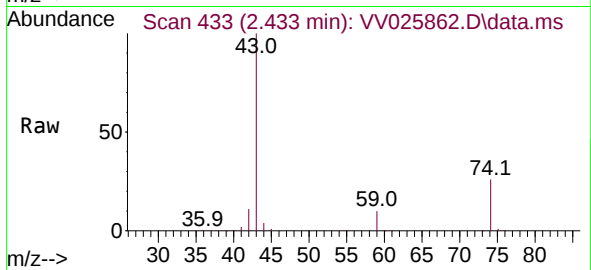




#15  
Methyl Acetate  
Concen: 49.564 ug/L  
RT: 2.433 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

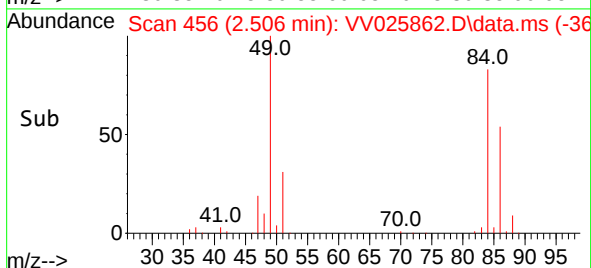
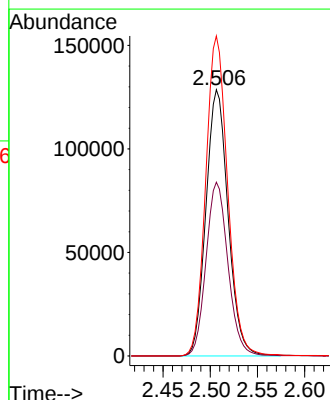
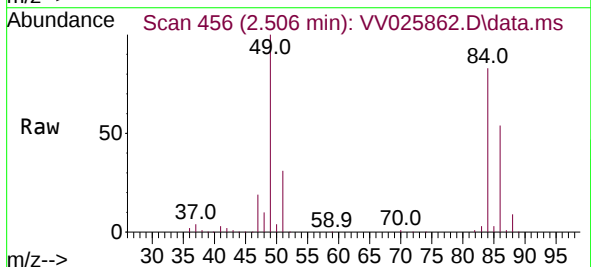
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050291

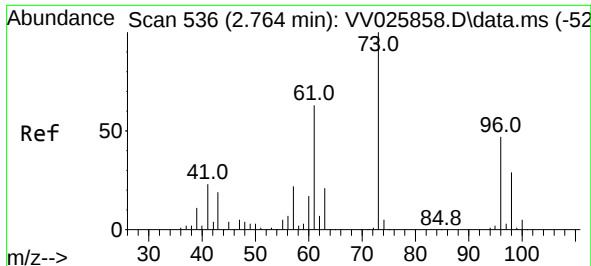
Tgt Ion: 43 Resp: 190927  
Ion Ratio Lower Upper  
43 100  
74 26.1 20.7 31.1



#16  
Methylene chloride  
Concen: 48.095 ug/L  
RT: 2.506 min Scan# 456  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Tgt Ion: 84 Resp: 209483  
Ion Ratio Lower Upper  
84 100  
86 65.3 44.2 82.0  
49 120.2 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 48.987 ug/L

RT: 2.760 min Scan# 51

Delta R.T. -0.003 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050291

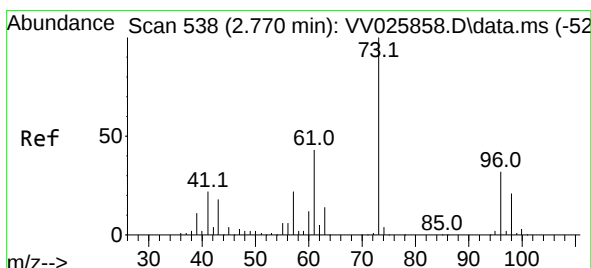
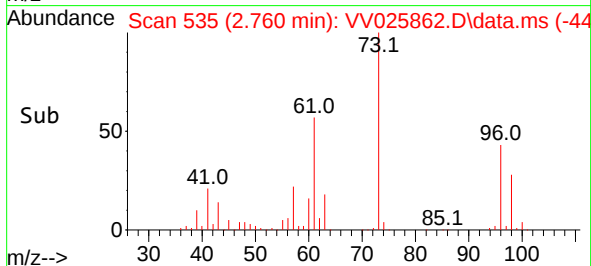
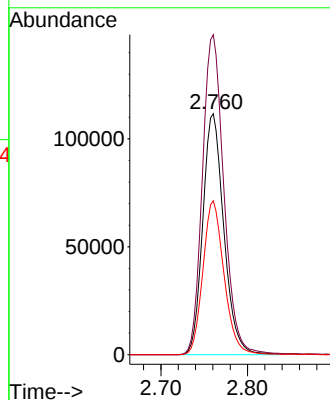
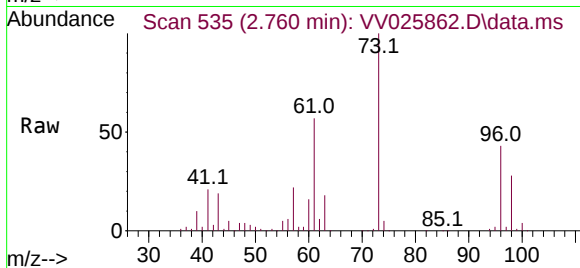
Tgt Ion: 96 Resp: 189253

Ion Ratio Lower Upper

96 100

61 132.8 92.7 172.1

98 63.9 43.1 80.1



#18

Methyl tert-butyl Ether

Concen: 54.581 ug/L

RT: 2.767 min Scan# 537

Delta R.T. -0.003 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

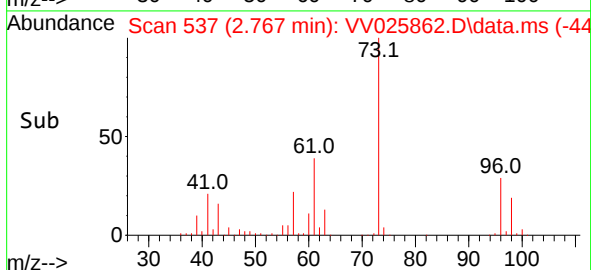
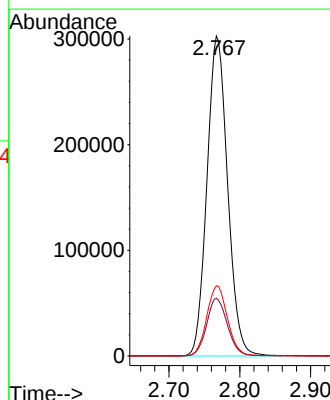
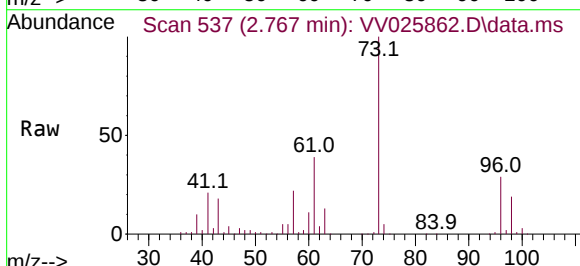
Tgt Ion: 73 Resp: 613274

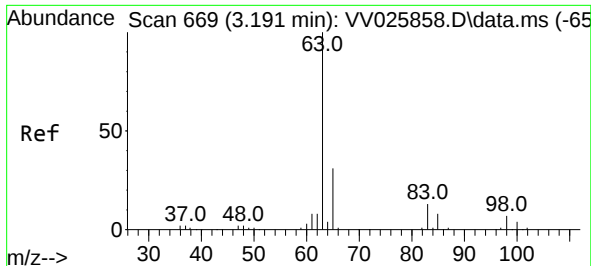
Ion Ratio Lower Upper

73 100

43 18.0 14.6 22.0

57 22.0 17.5 26.3

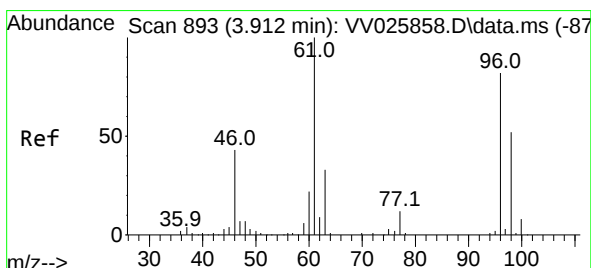
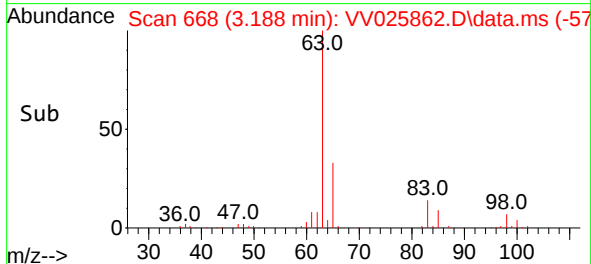
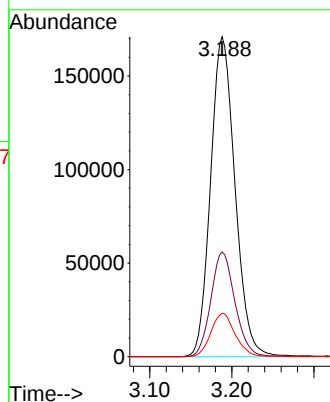
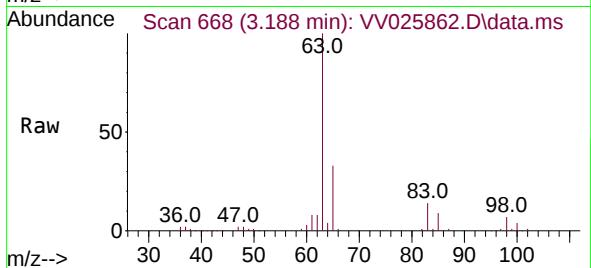




#19  
1,1-Dichloroethane  
Concen: 49.073 ug/L  
RT: 3.188 min Scan# 668  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

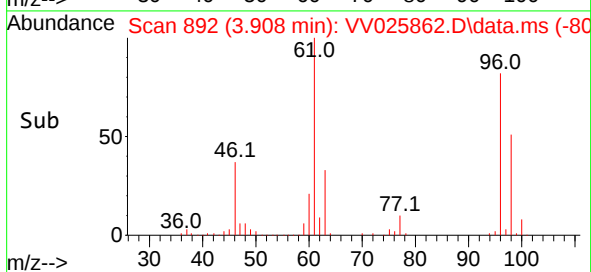
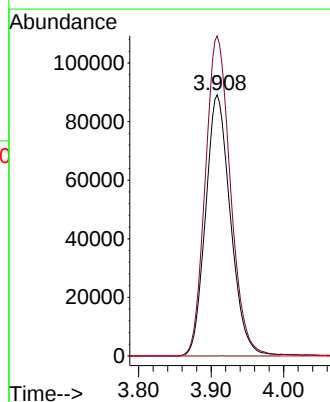
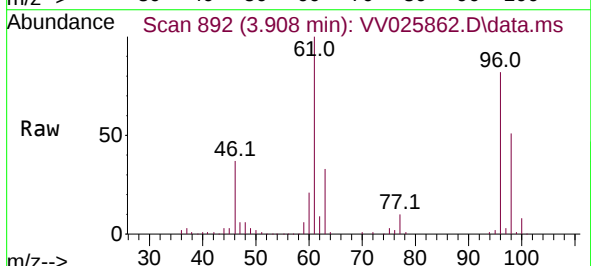
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050291

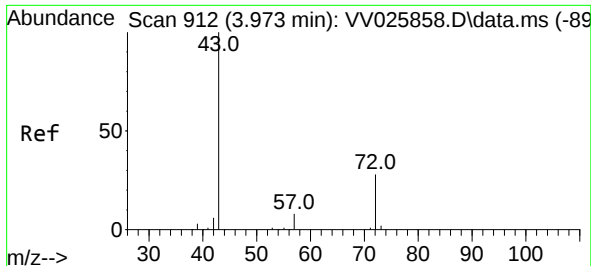
Tgt Ion: 63 Resp: 354108  
Ion Ratio Lower Upper  
63 100  
65 32.7 22.0 40.8  
83 13.5 9.2 17.0



#20  
cis-1,2-Dichloroethene  
Concen: 51.038 ug/L  
RT: 3.908 min Scan# 892  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Tgt Ion: 96 Resp: 212835  
Ion Ratio Lower Upper  
96 100  
61 122.5 86.0 159.6  
68 0.0 0.0 0.0

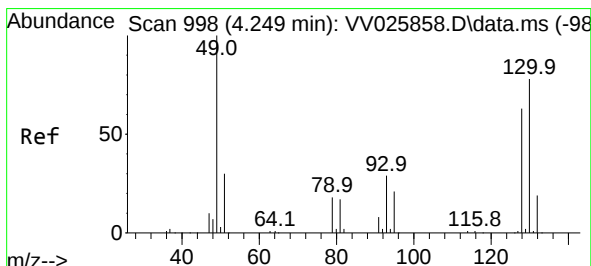
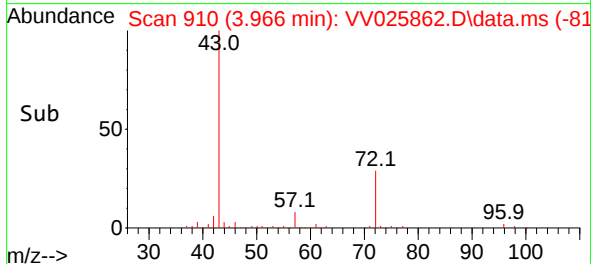
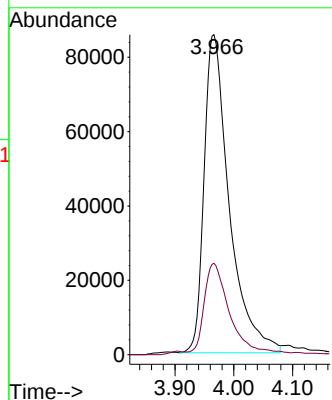
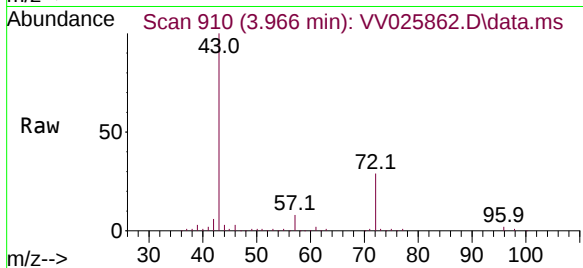




#22  
2-Butanone  
Concen: 106.334 ug/L  
RT: 3.966 min Scan# 912  
Delta R.T. -0.006 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

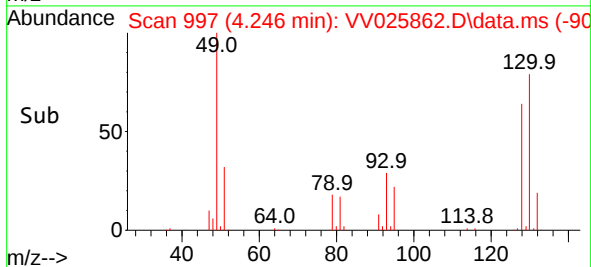
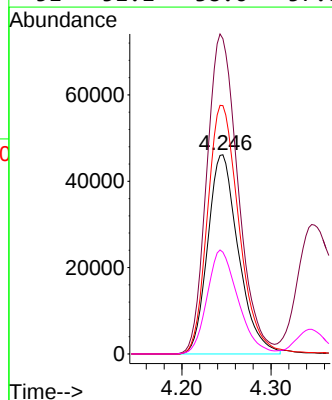
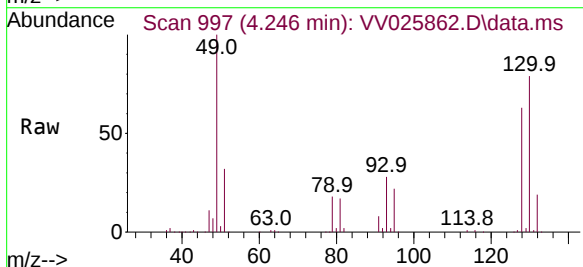
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050291

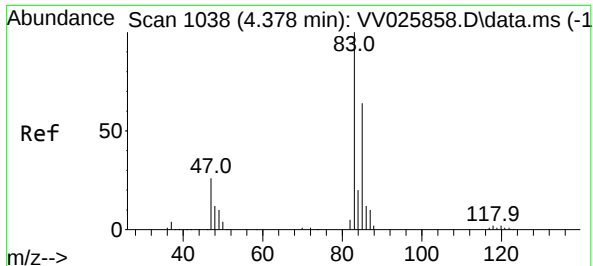
Tgt Ion: 43 Resp: 254971  
Ion Ratio Lower Upper  
43 100  
72 27.2 13.8 41.4



#23  
Bromochloromethane  
Concen: 50.065 ug/L  
RT: 4.246 min Scan# 997  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Tgt Ion: 128 Resp: 110276  
Ion Ratio Lower Upper  
128 100  
49 158.2 111.0 206.2  
130 124.7 87.1 161.7  
51 51.1 38.6 57.8





#25

Chloroform

Concen: 48.164 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

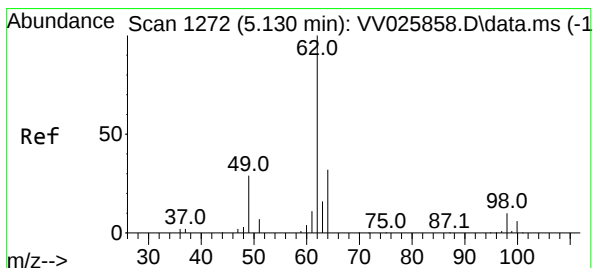
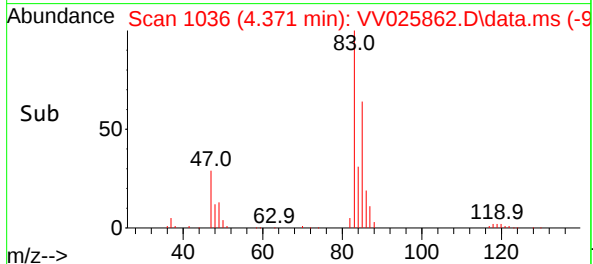
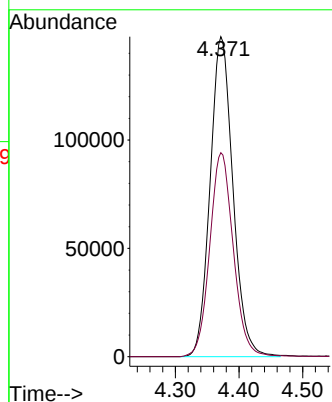
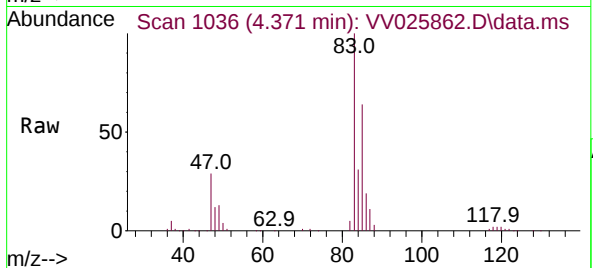
VSTD050291

Tgt Ion: 83 Resp: 368293

Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.3



#27

1,2-Dichloroethane

Concen: 49.211 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VV025862.D

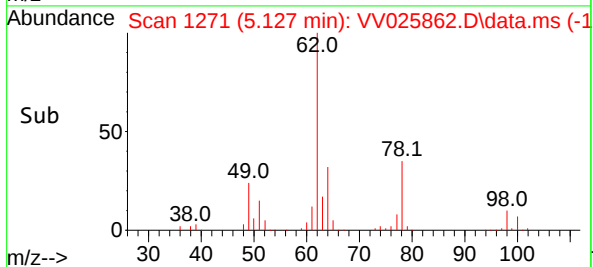
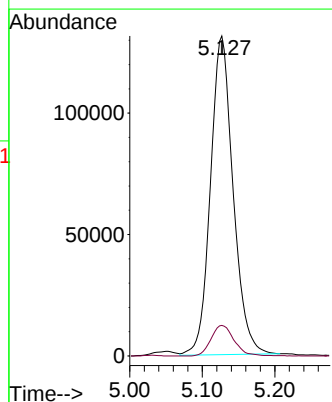
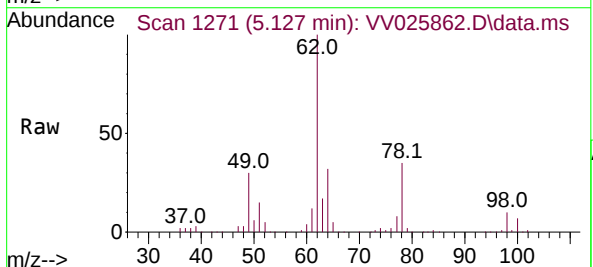
Acq: 10 May 2022 15:51

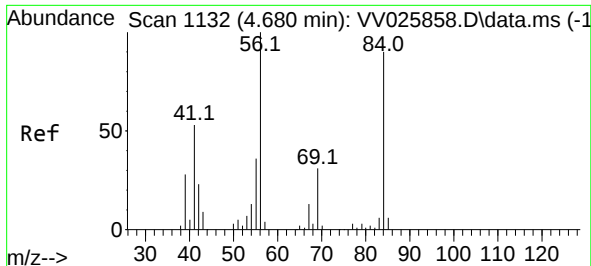
Tgt Ion: 62 Resp: 284500

Ion Ratio Lower Upper

62 100

98 9.5 7.7 11.5





#29

Cyclohexane

Concen: 53.544 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. -0.003 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050291

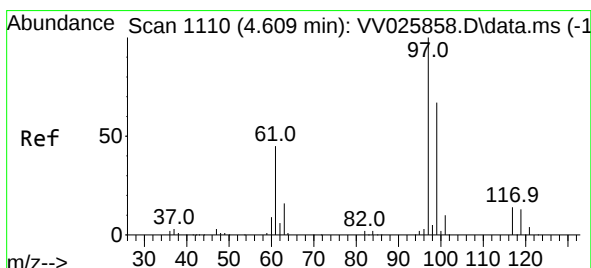
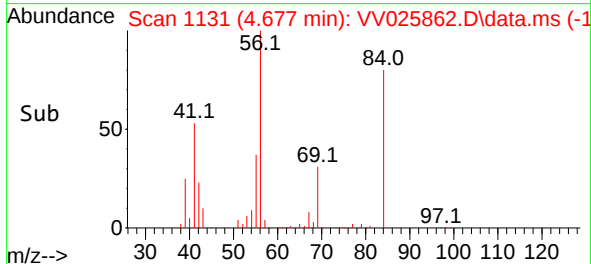
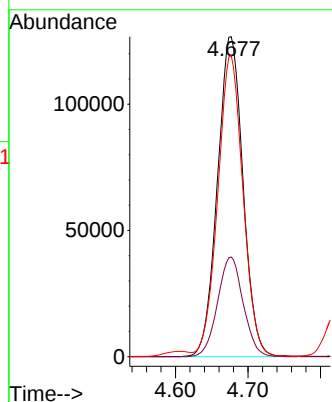
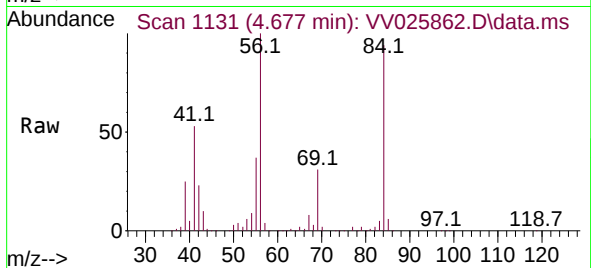
Tgt Ion: 56 Resp: 310153

Ion Ratio Lower Upper

56 100

69 31.2 24.8 37.2

84 92.6 73.8 110.8



#30

1,1,1-Trichloroethane

Concen: 48.928 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.003 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

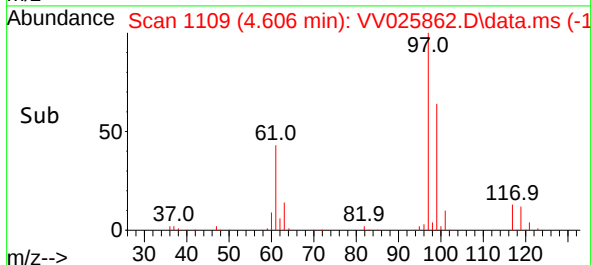
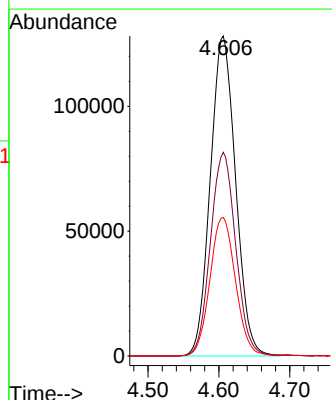
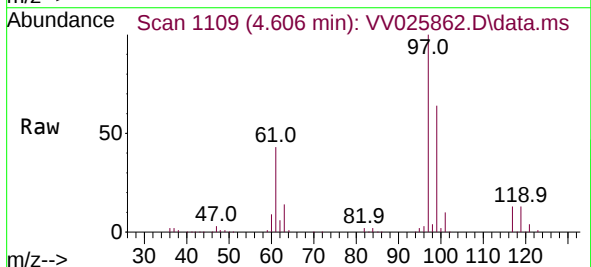
Tgt Ion: 97 Resp: 317928

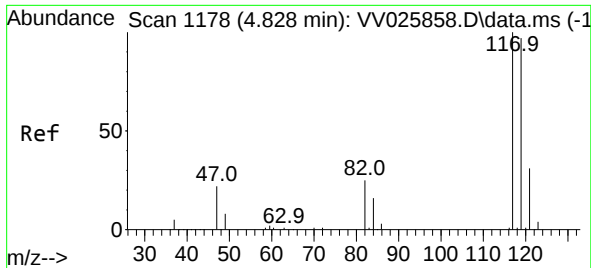
Ion Ratio Lower Upper

97 100

99 63.6 52.6 78.8

61 43.9 35.6 53.4

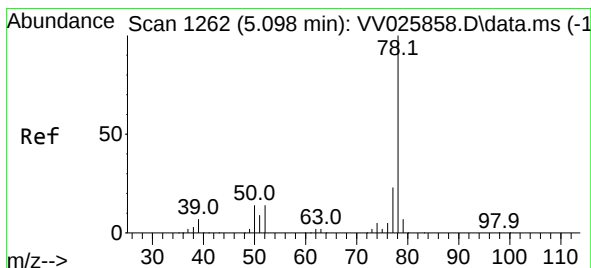
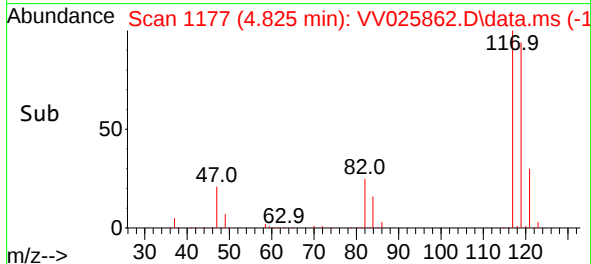
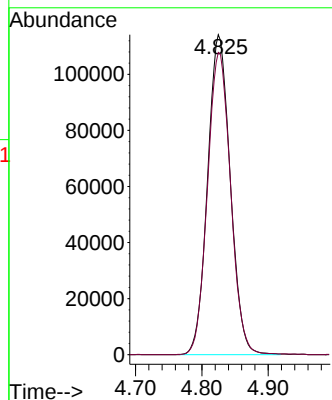
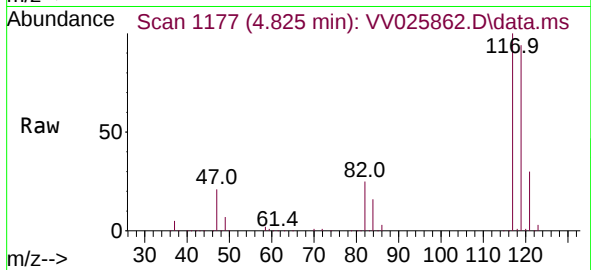




#31  
Carbon tetrachloride  
Concen: 49.715 ug/L  
RT: 4.825 min Scan# 1178  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

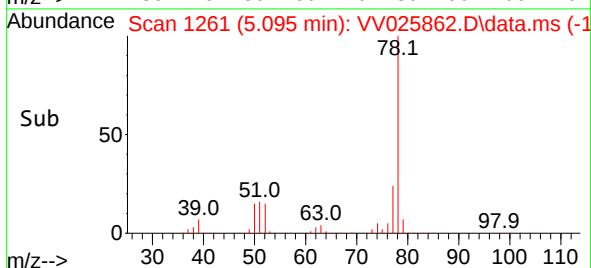
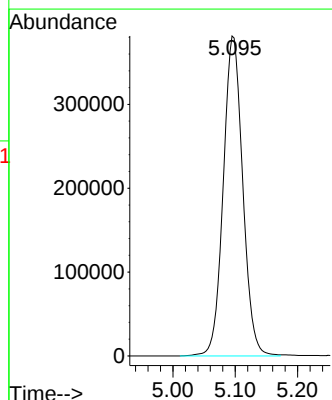
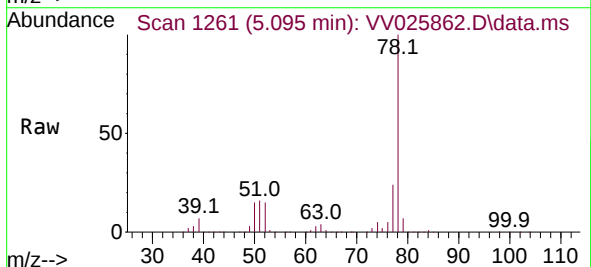
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050291

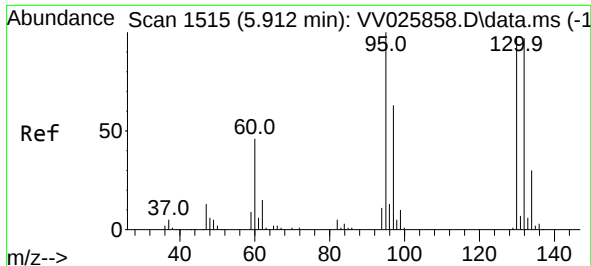
Tgt Ion:117 Resp: 271210  
Ion Ratio Lower Upper  
117 100  
119 96.2 76.9 115.3



#33  
Benzene  
Concen: 51.375 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Tgt Ion: 78 Resp: 827659

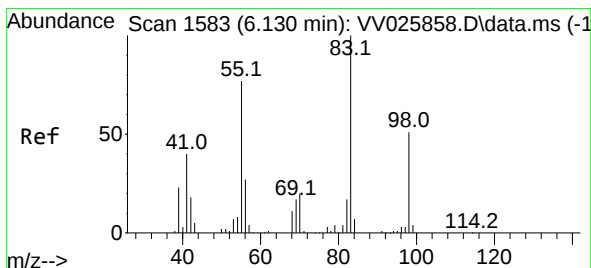
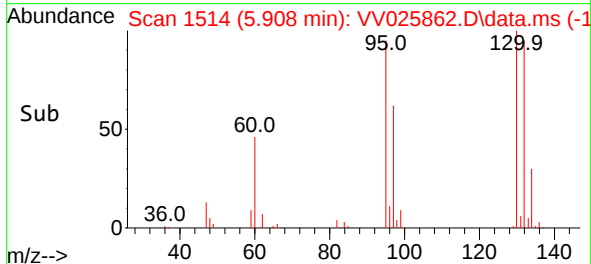
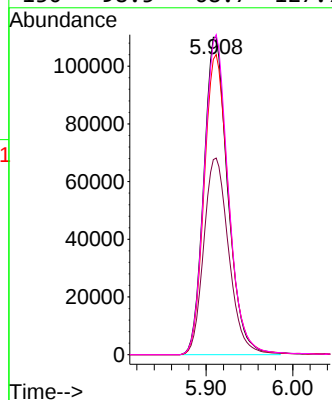
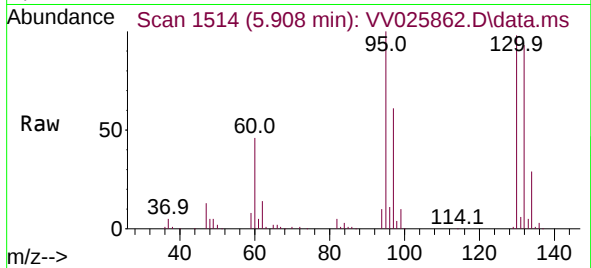




#34  
Trichloroethene  
Concen: 50.392 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

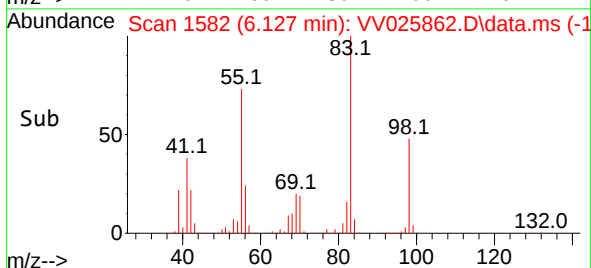
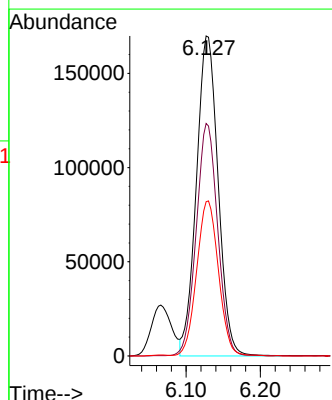
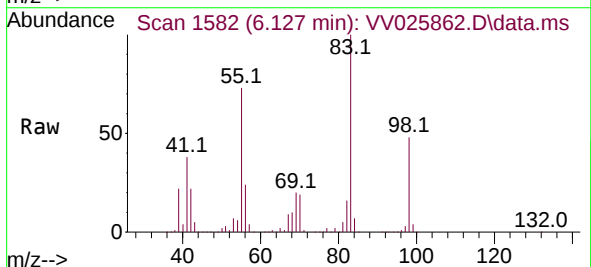
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050291

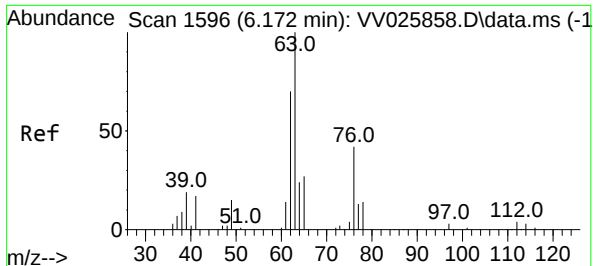
Tgt Ion: 95 Resp: 212339  
Ion Ratio Lower Upper  
95 100  
97 61.5 44.2 82.0  
132 93.1 67.7 125.7  
130 98.5 68.7 127.7



#35  
Methylcyclohexane  
Concen: 54.809 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Tgt Ion: 83 Resp: 345895  
Ion Ratio Lower Upper  
83 100  
55 71.4 58.6 87.8  
98 48.2 39.1 58.7





#37

1,2-Dichloropropane

Concen: 52.982 ug/L

RT: 6.169 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

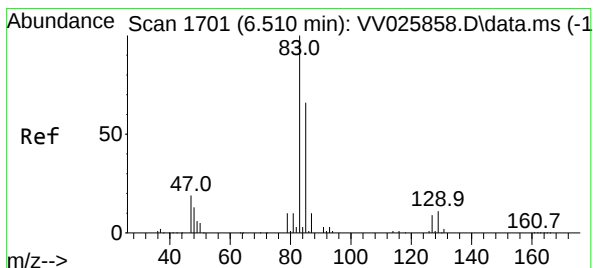
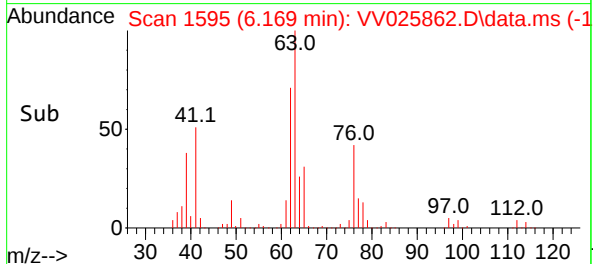
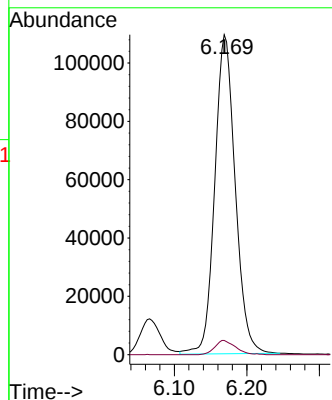
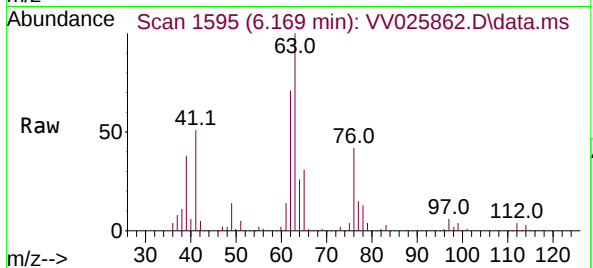
VSTD050291

Tgt Ion: 63 Resp: 214417

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 51.745 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

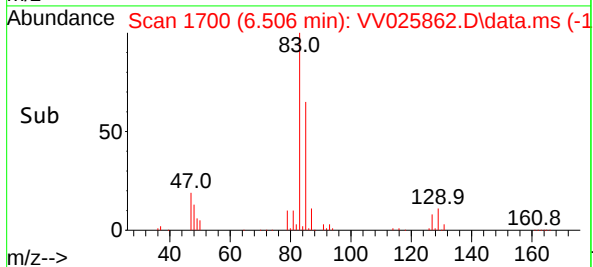
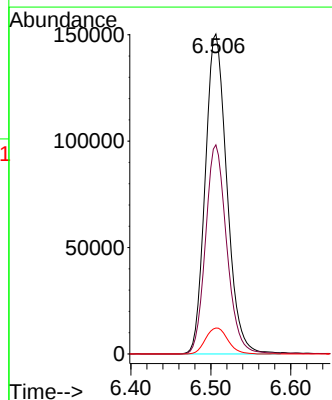
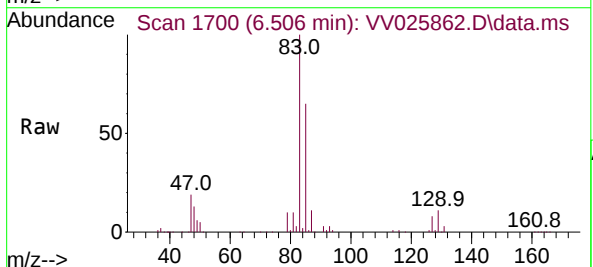
Tgt Ion: 83 Resp: 283182

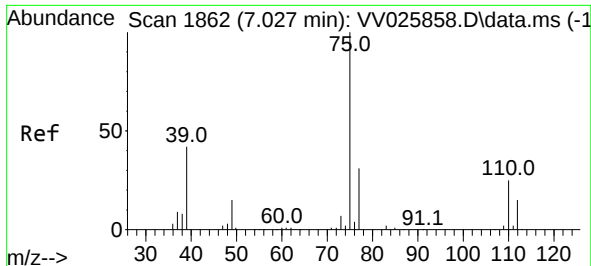
Ion Ratio Lower Upper

83 100

85 65.3 46.0 85.4

127 8.1 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 57.762 ug/L

RT: 7.024 min Scan# 1862

Delta R.T. -0.003 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

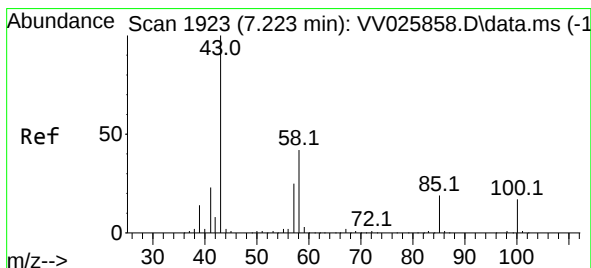
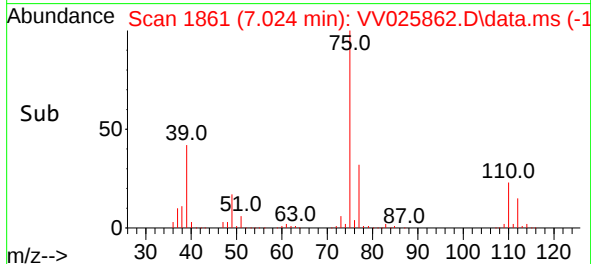
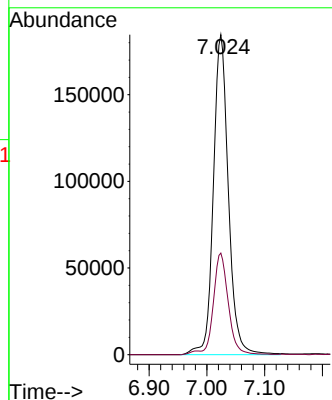
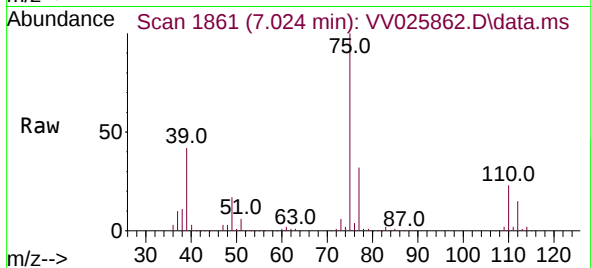
VSTD050291

Tgt Ion: 75 Resp: 333353

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 113.190 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

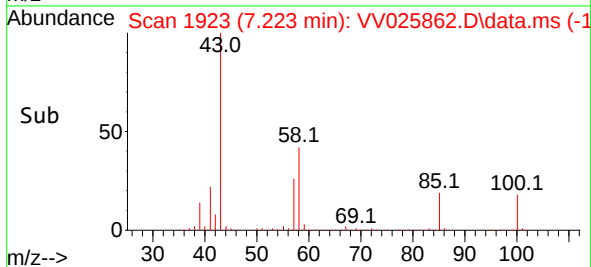
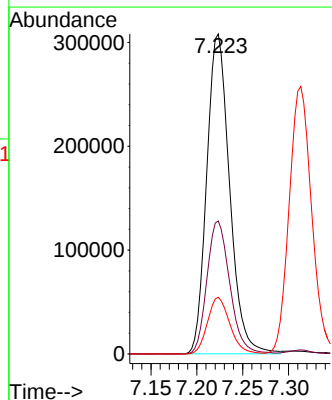
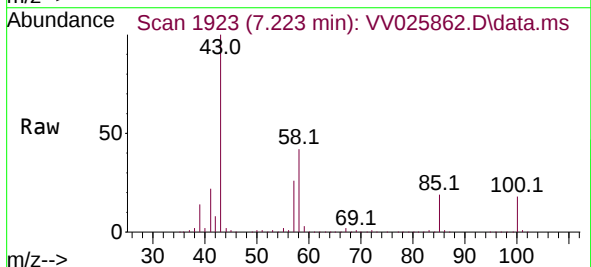
Tgt Ion: 43 Resp: 535451

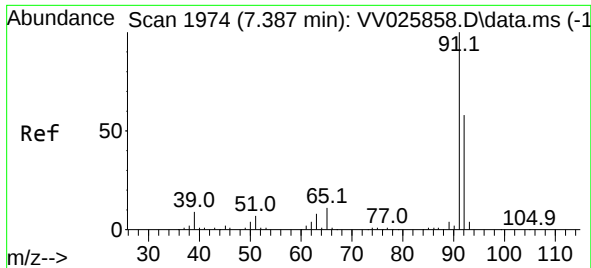
Ion Ratio Lower Upper

43 100

58 41.6 32.9 49.3

100 17.3 13.7 20.5





#42

Toluene

Concen: 52.521 ug/L

RT: 7.384 min Scan# 1974

Delta R.T. -0.003 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

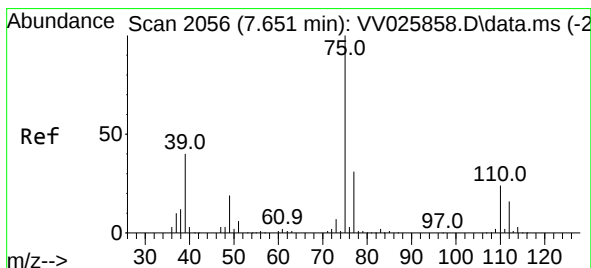
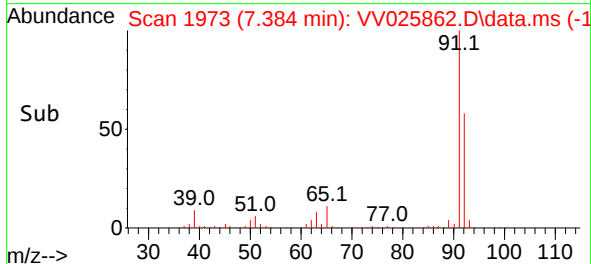
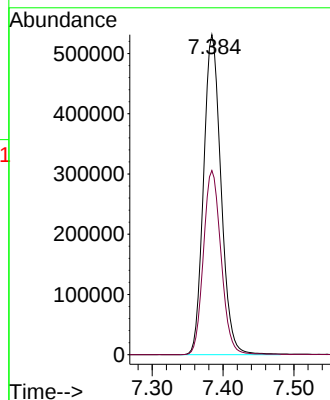
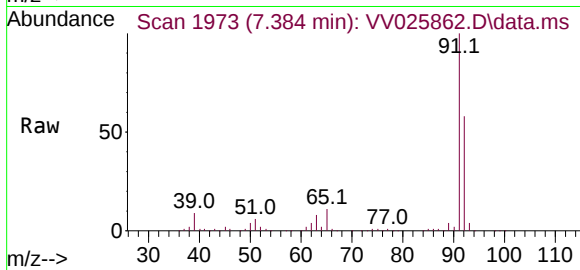
VSTD050291

Tgt Ion: 91 Resp: 907694

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 56.169 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. -0.006 min

Lab File: VV025862.D

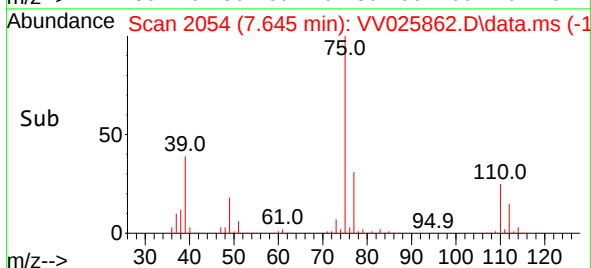
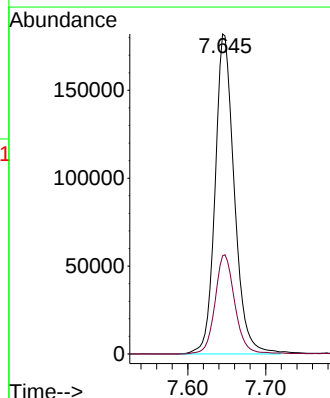
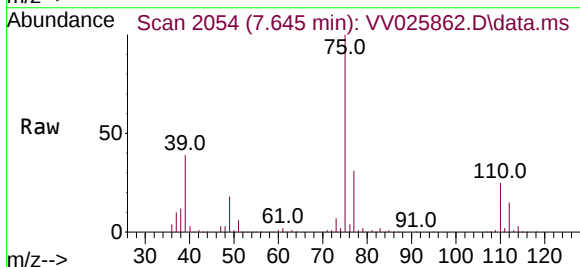
Acq: 10 May 2022 15:51

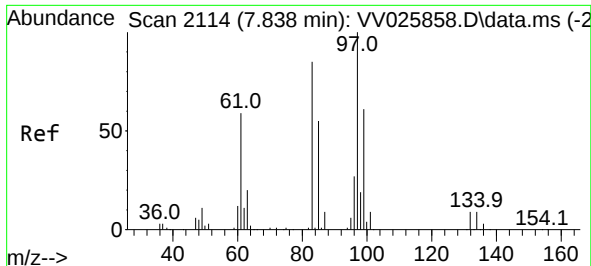
Tgt Ion: 75 Resp: 311861

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.4



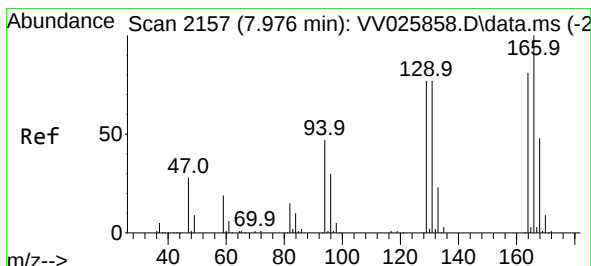
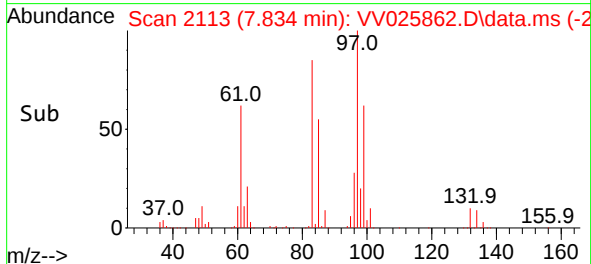
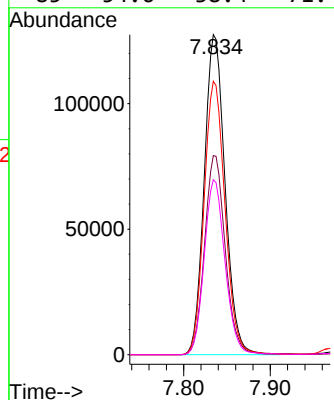
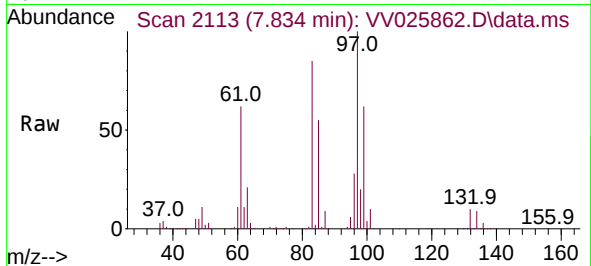


#45  
1,1,2-Trichloroethane  
Concen: 51.894 ug/L  
RT: 7.834 min Scan# 2114  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050291

Tgt Ion: 97 Resp: 213390

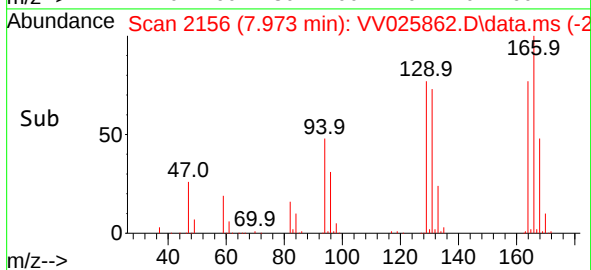
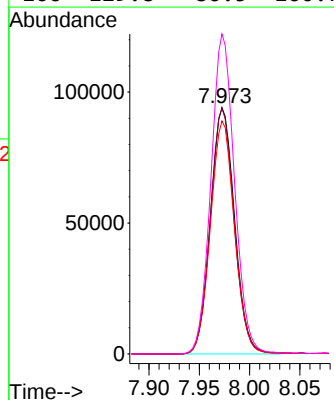
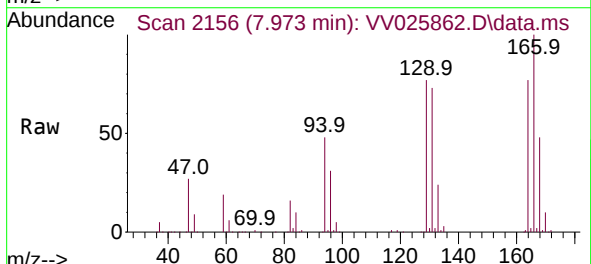
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.2  | 42.6  | 79.0  |
| 83  | 85.5  | 59.7  | 110.9 |
| 85  | 54.6  | 38.4  | 71.4  |

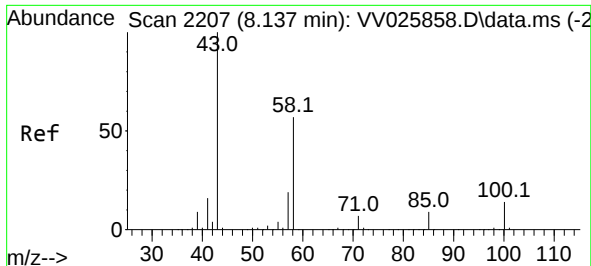


#46  
Tetrachloroethene  
Concen: 50.485 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Tgt Ion: 164 Resp: 156920

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 99.7  | 66.8  | 124.2 |
| 131 | 94.5  | 66.7  | 123.9 |
| 166 | 129.8 | 86.5  | 160.7 |



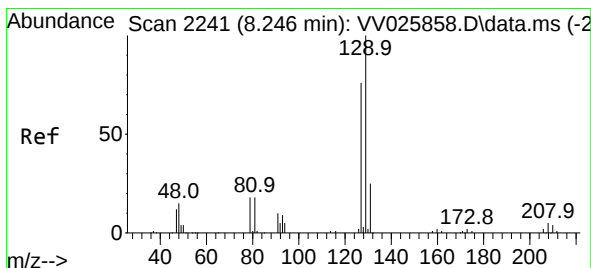
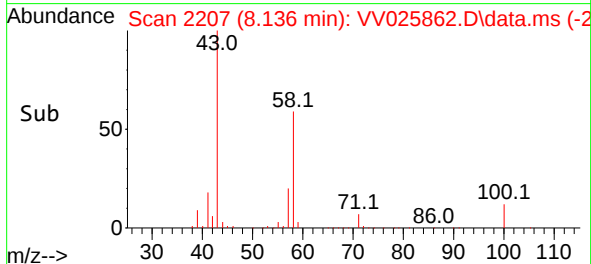
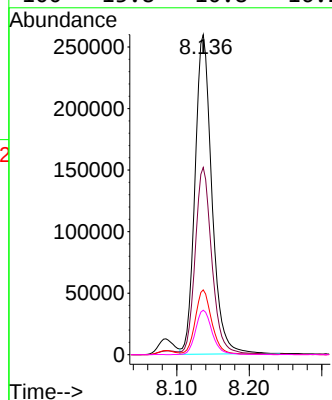
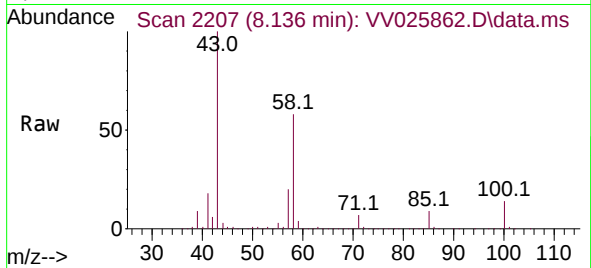


#48  
2-Hexanone  
Concen: 113.849 ug/L  
RT: 8.136 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050291

Tgt Ion: 43 Resp: 419045

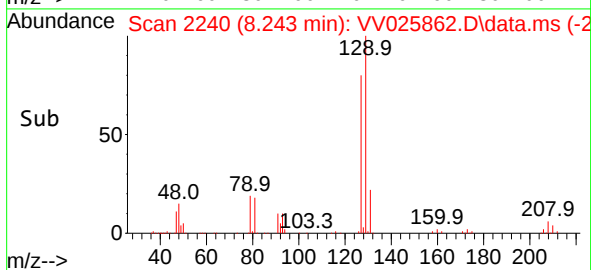
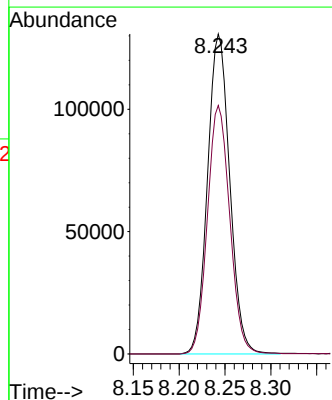
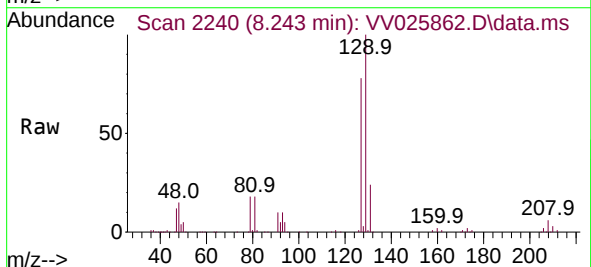
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 57.7  | 45.9  | 68.9  |
| 57  | 19.9  | 15.4  | 23.2  |
| 100 | 13.8  | 10.8  | 16.2  |

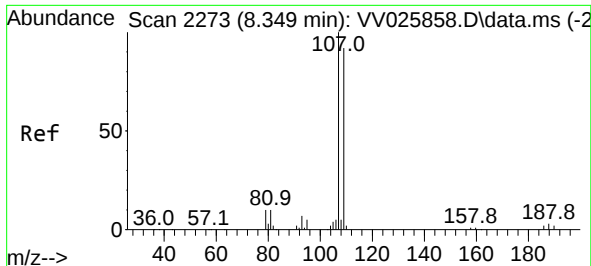


#49  
Dibromochloromethane  
Concen: 54.339 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Tgt Ion: 129 Resp: 220399

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.7  | 53.5  | 99.5  |





#50

1,2-Dibromoethane

Concen: 52.404 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050291

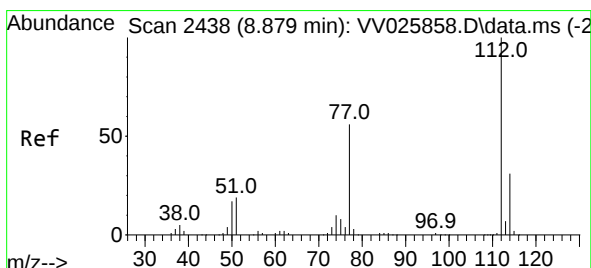
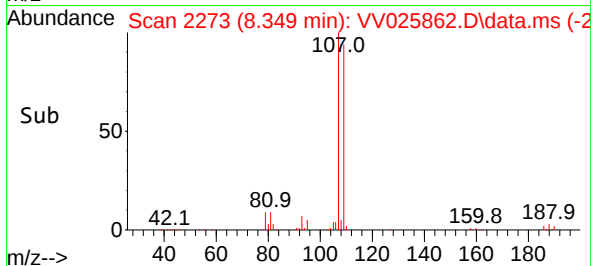
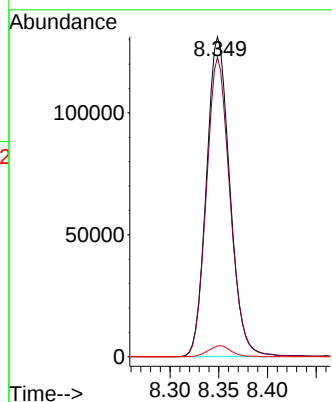
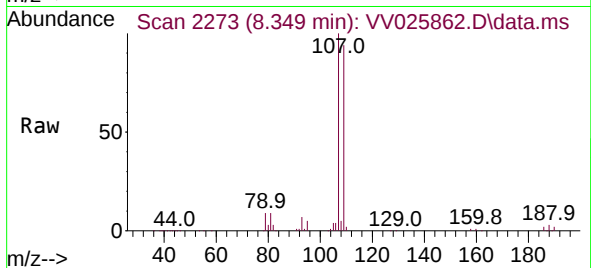
Tgt Ion:107 Resp: 219131

Ion Ratio Lower Upper

107 100

109 93.6 64.1 119.1

188 3.3 2.6 3.8



#51

Chlorobenzene

Concen: 51.986 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.000 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

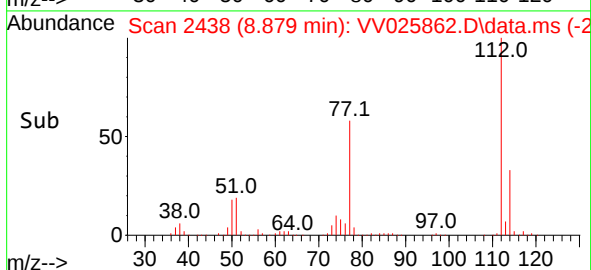
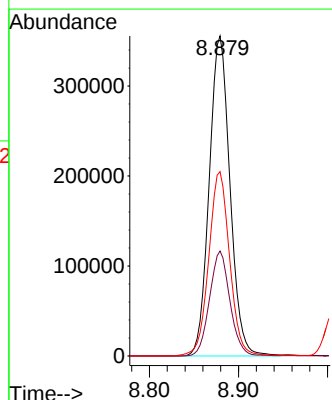
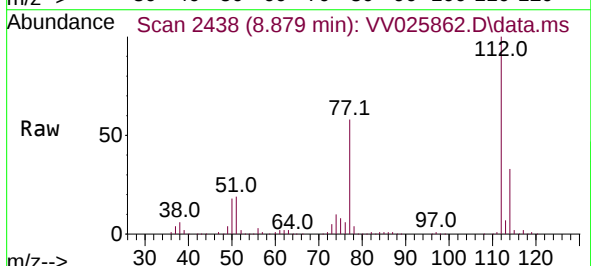
Tgt Ion:112 Resp: 575317

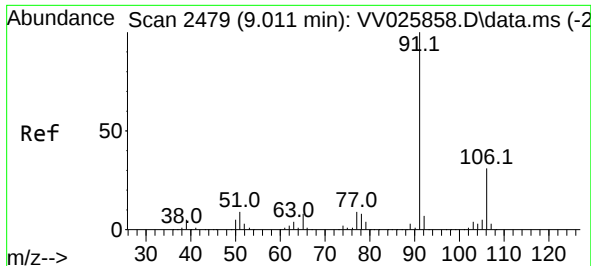
Ion Ratio Lower Upper

112 100

114 32.8 22.0 40.8

77 57.6 45.3 67.9

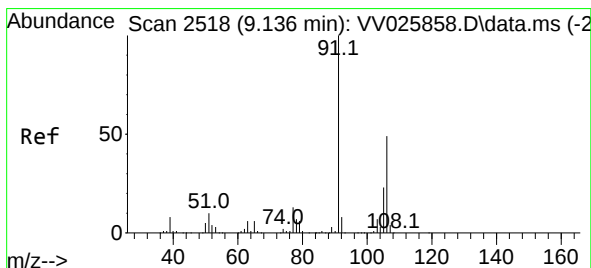
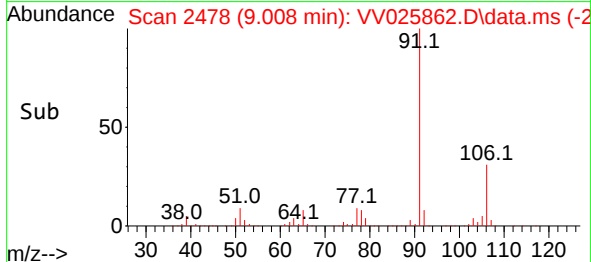
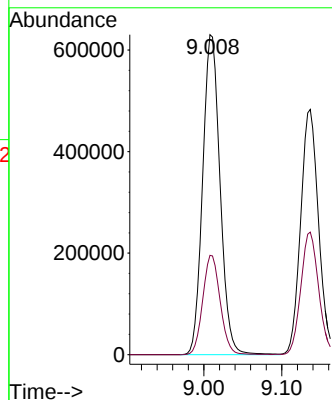
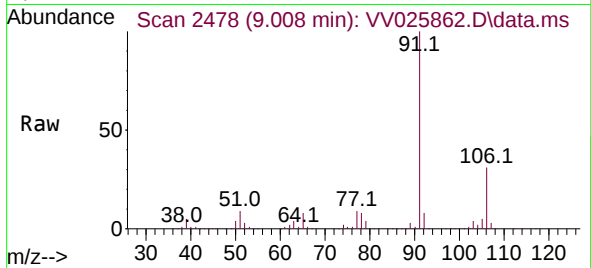




#52  
Ethylbenzene  
Concen: 54.798 ug/L  
RT: 9.008 min Scan# 2479  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

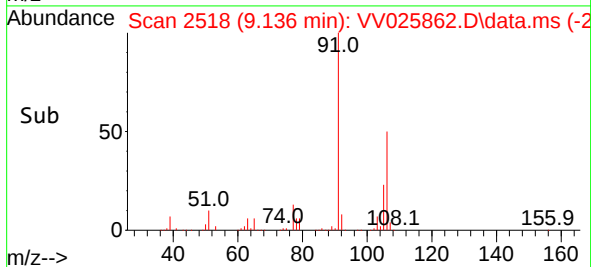
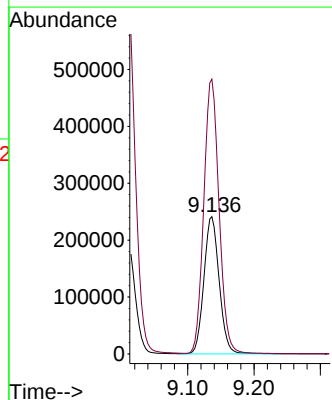
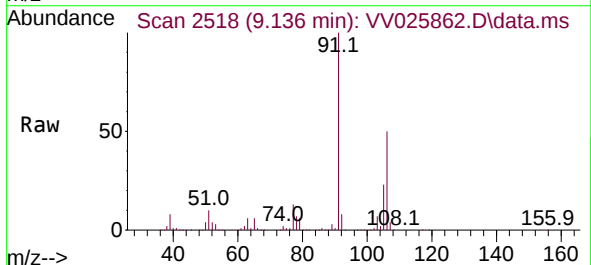
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050291

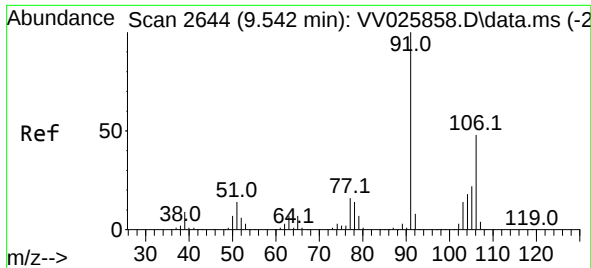
Tgt Ion: 91 Resp: 977068  
Ion Ratio Lower Upper  
91 100  
106 31.1 21.8 40.6



#53  
m,p-Xylene  
Concen: 55.668 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. -0.000 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Tgt Ion: 106 Resp: 384996  
Ion Ratio Lower Upper  
106 100  
91 200.1 142.0 263.6

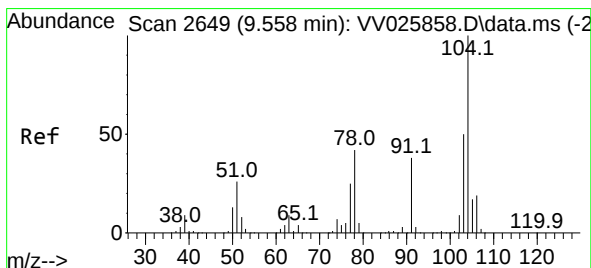
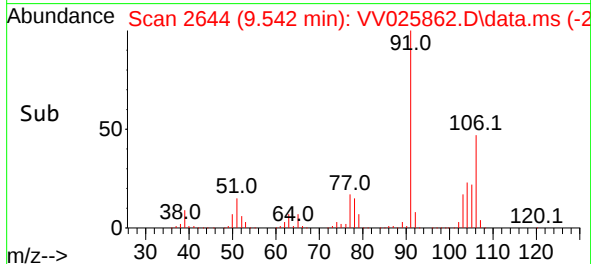
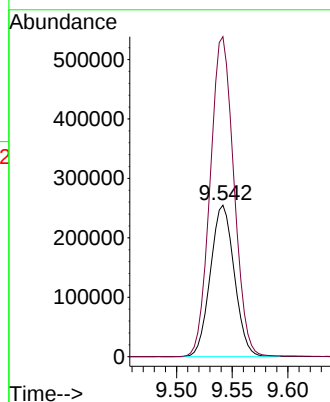
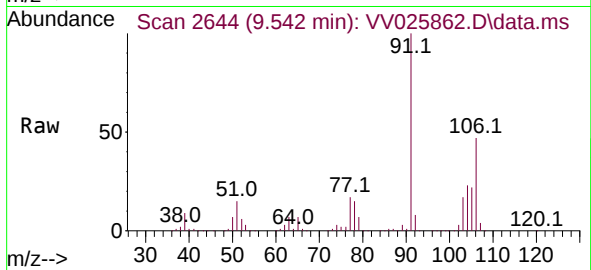




#54  
o-Xylene  
Concen: 56.057 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

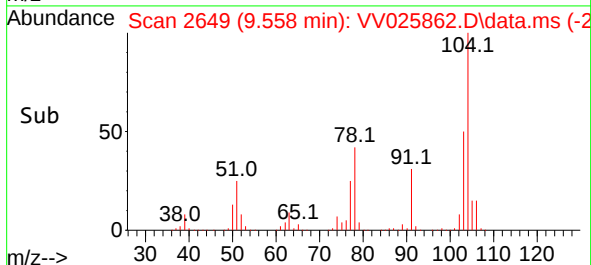
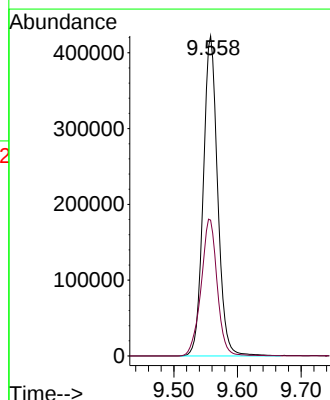
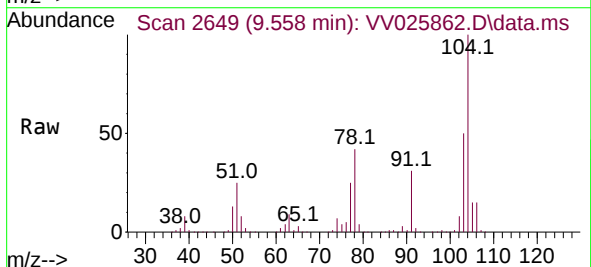
Instrument : MSVOA\_V  
ClientSampleId : VSTD050291

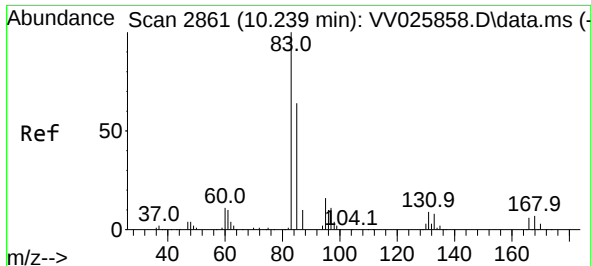
Tgt Ion:106 Resp: 380830  
Ion Ratio Lower Upper  
106 100  
91 211.2 147.4 273.8



#55  
Styrene  
Concen: 56.060 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.000 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Tgt Ion:104 Resp: 663612  
Ion Ratio Lower Upper  
104 100  
78 42.4 29.8 55.3

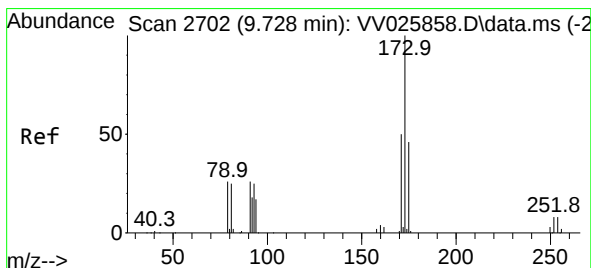
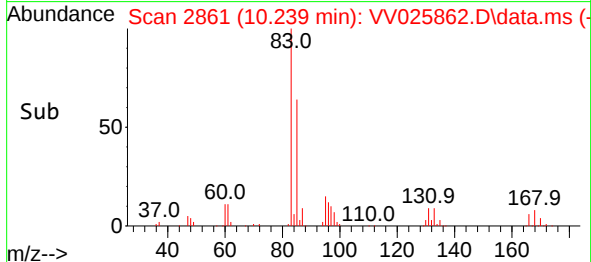
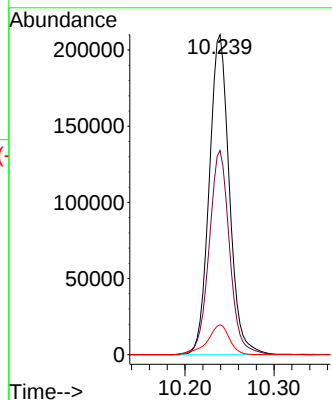
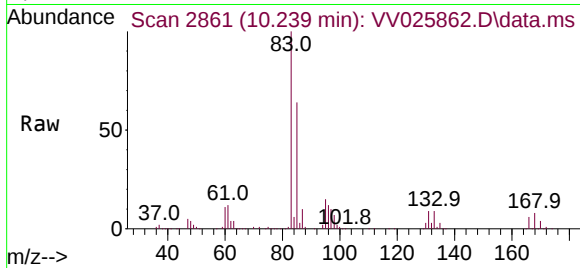




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 53.678 ug/L  
 RT: 10.239 min Scan# 2861  
 Delta R.T. -0.000 min  
 Lab File: VV025862.D  
 Acq: 10 May 2022 15:51

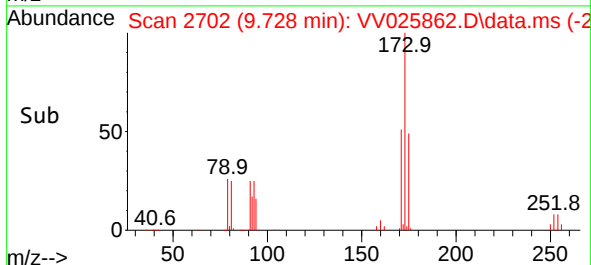
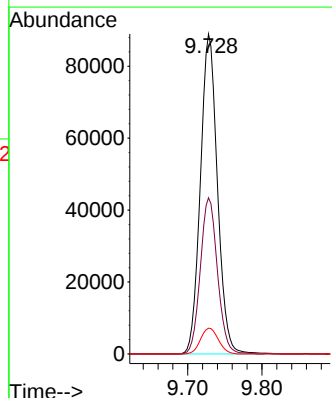
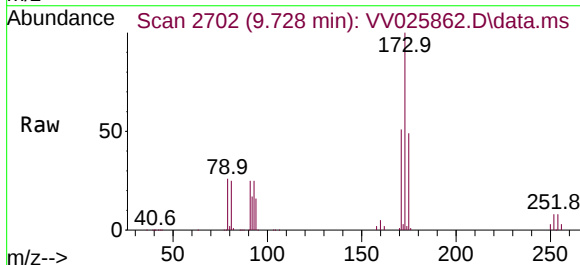
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050291

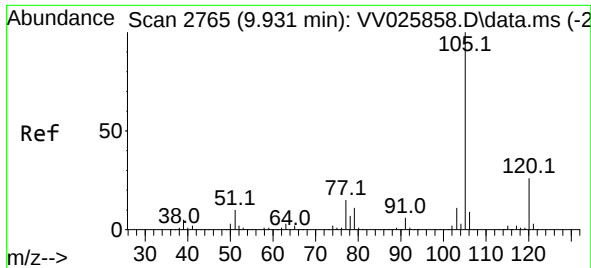
Tgt Ion: 83 Resp: 329332  
 Ion Ratio Lower Upper  
 83 100  
 85 63.8 44.7 82.9  
 131 9.4 7.5 11.3



#59  
 Bromoform  
 Concen: 54.466 ug/L  
 RT: 9.728 min Scan# 2702  
 Delta R.T. -0.000 min  
 Lab File: VV025862.D  
 Acq: 10 May 2022 15:51

Tgt Ion: 173 Resp: 142042  
 Ion Ratio Lower Upper  
 173 100  
 175 48.9 38.1 57.1  
 254 8.4 7.0 10.6

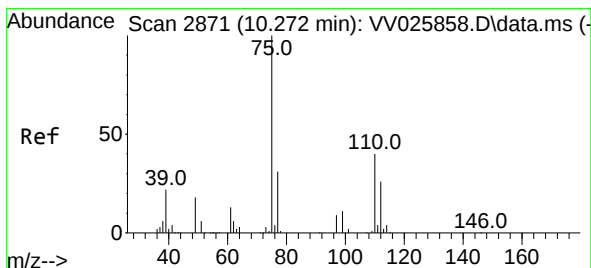
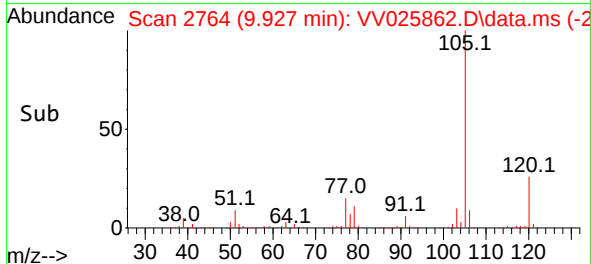
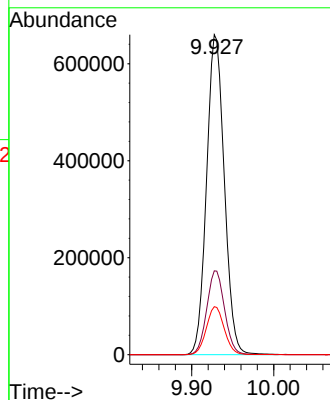
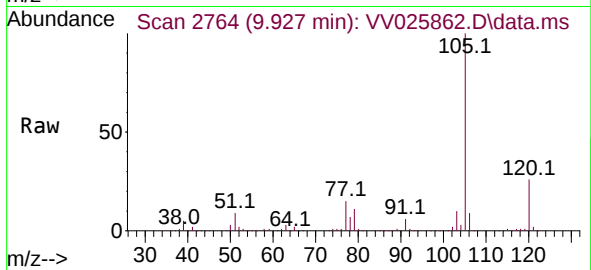




#60  
Isopropylbenzene  
Concen: 54.725 ug/L  
RT: 9.927 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

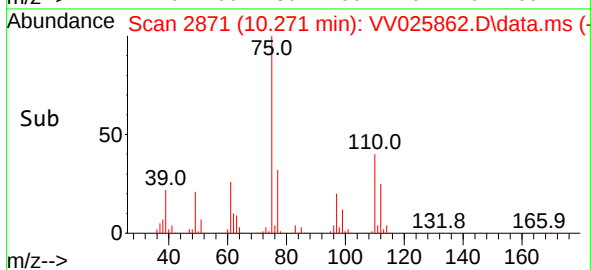
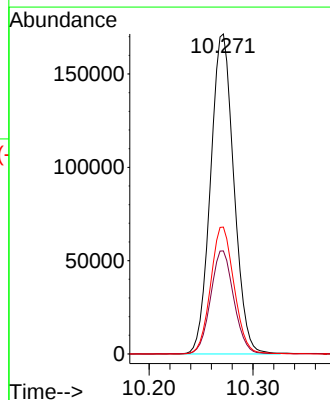
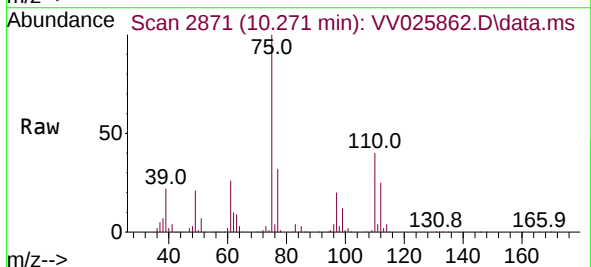
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050291

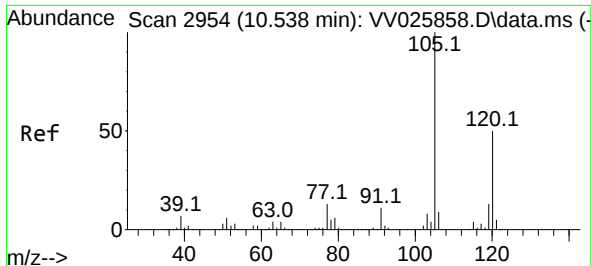
Tgt Ion:105 Resp: 990996  
Ion Ratio Lower Upper  
105 100  
120 26.4 21.0 31.6  
77 15.2 12.3 18.5



#61  
1,2,3-Trichloropropane  
Concen: 49.990 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. -0.000 min  
Lab File: VV025862.D  
Acq: 10 May 2022 15:51

Tgt Ion: 75 Resp: 267504  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.3 37.9  
110 39.9 32.3 48.5





#62

1,3,5-Trimethylbenzene

Concen: 57.526 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

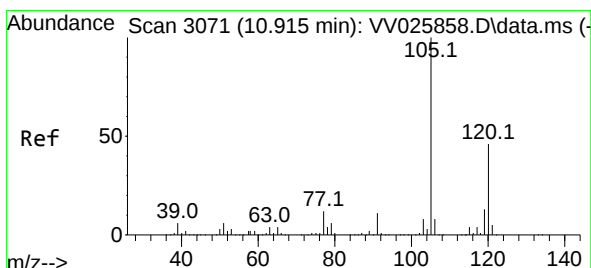
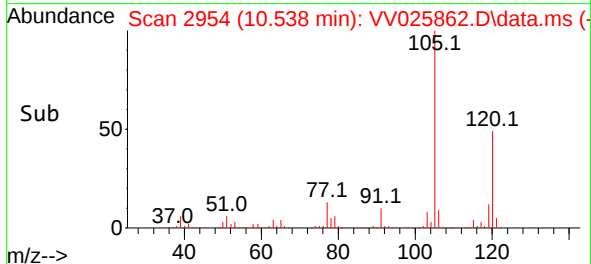
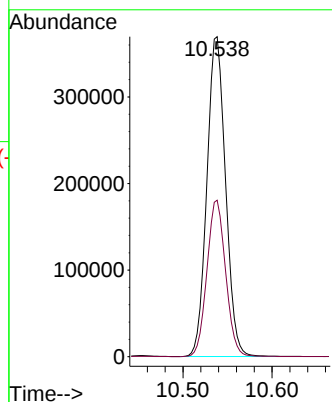
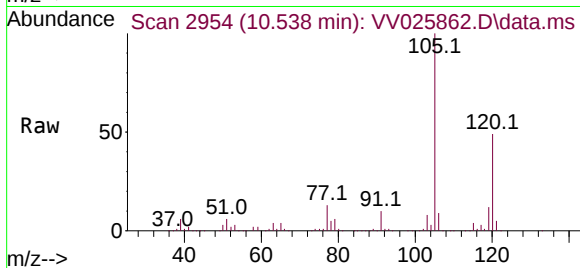
VSTD050291

Tgt Ion:105 Resp: 536958

Ion Ratio Lower Upper

105 100

120 49.1 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 57.823 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.003 min

Lab File: VV025862.D

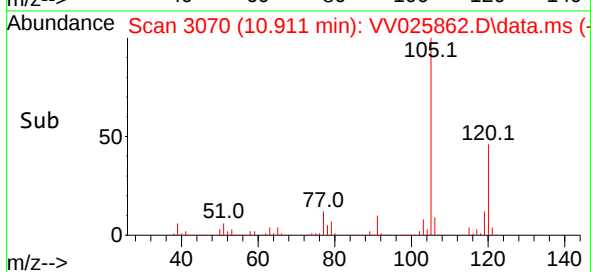
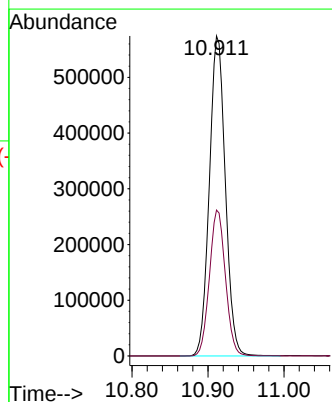
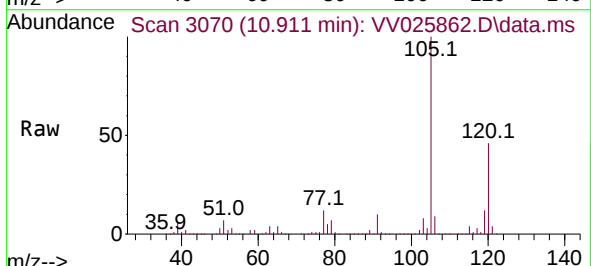
Acq: 10 May 2022 15:51

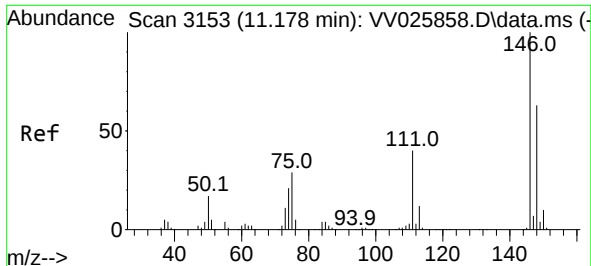
Tgt Ion:105 Resp: 837412

Ion Ratio Lower Upper

105 100

120 45.6 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 52.705 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. -0.000 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050291

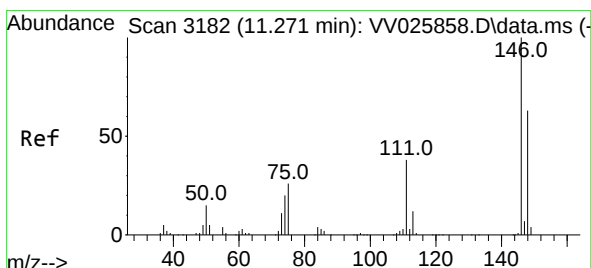
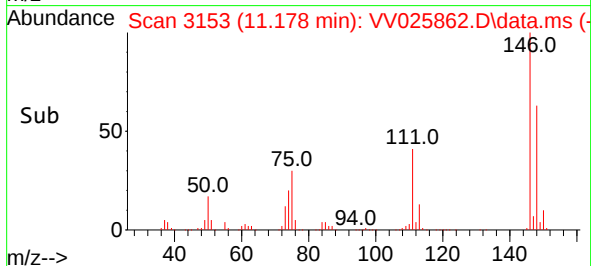
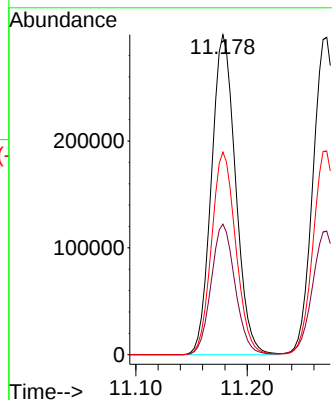
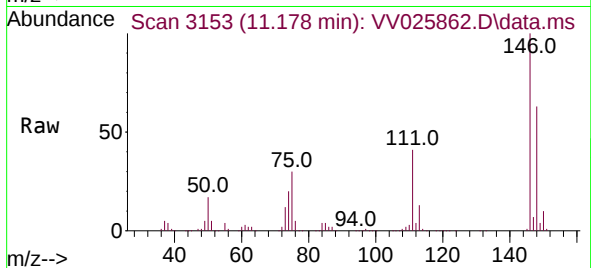
Tgt Ion:146 Resp: 451776

Ion Ratio Lower Upper

146 100

111 40.8 28.1 52.1

148 63.3 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 51.360 ug/L

RT: 11.271 min Scan# 3182

Delta R.T. -0.000 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

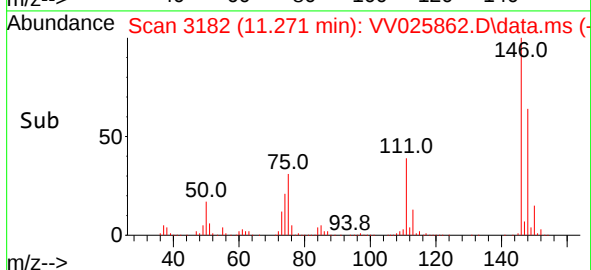
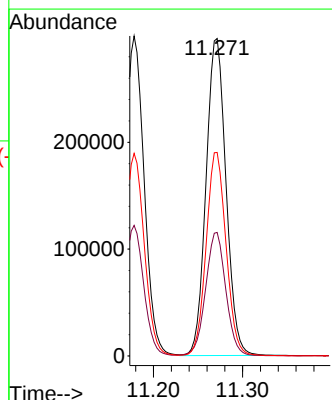
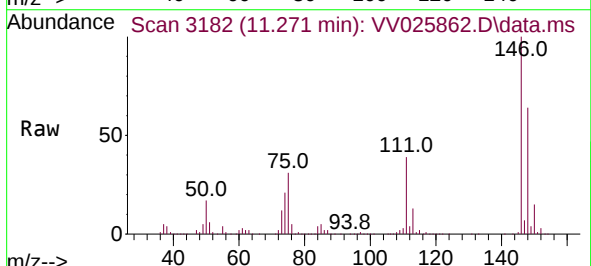
Tgt Ion:146 Resp: 461372

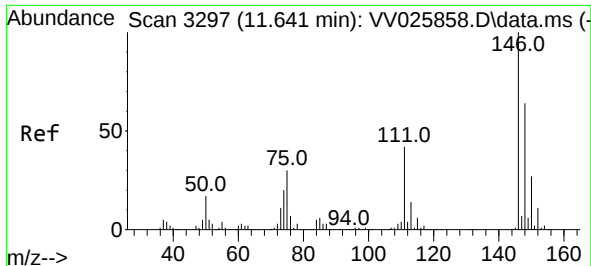
Ion Ratio Lower Upper

146 100

111 38.9 26.7 49.7

148 64.1 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 51.426 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. -0.000 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050291

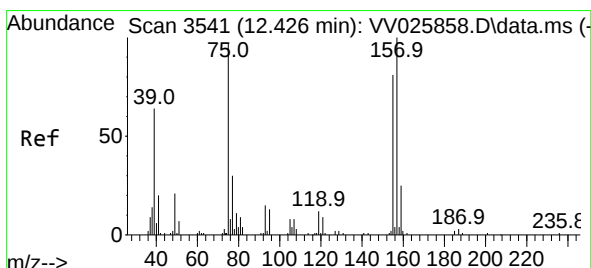
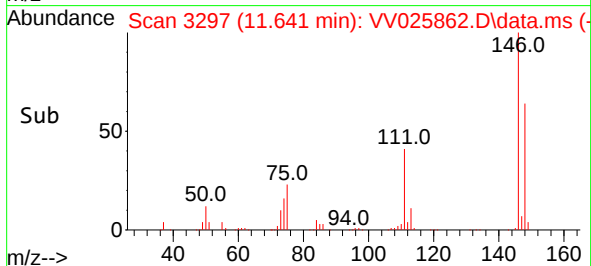
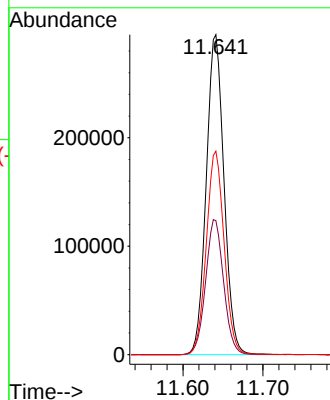
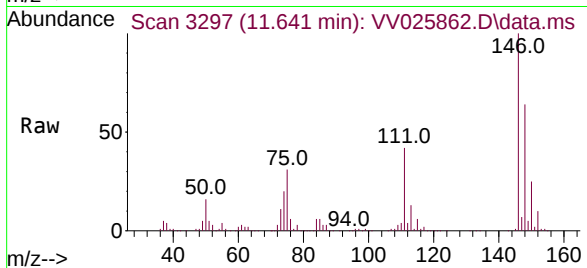
Tgt Ion:146 Resp: 455950

Ion Ratio Lower Upper

146 100

111 41.9 33.7 50.5

148 63.6 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 55.000 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. -0.000 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

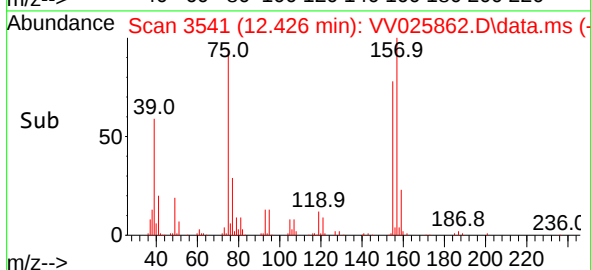
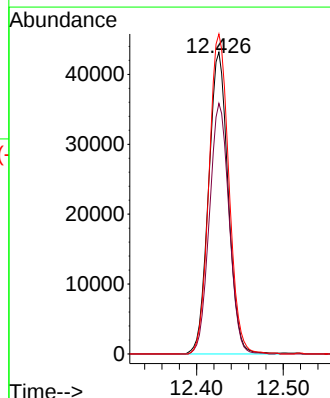
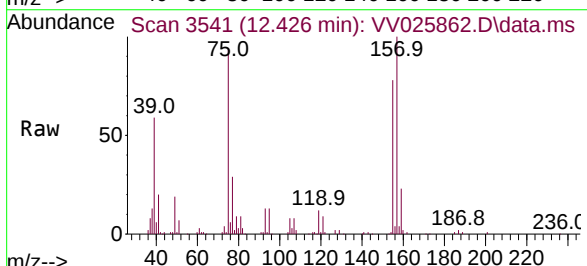
Tgt Ion: 75 Resp: 67948

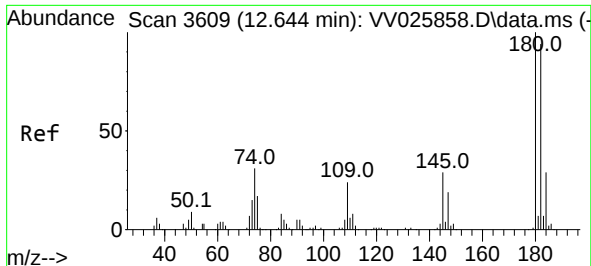
Ion Ratio Lower Upper

75 100

155 83.0 66.8 100.2

157 106.1 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 54.644 ug/L

RT: 12.641 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050291

Tgt Ion:180 Resp: 323414

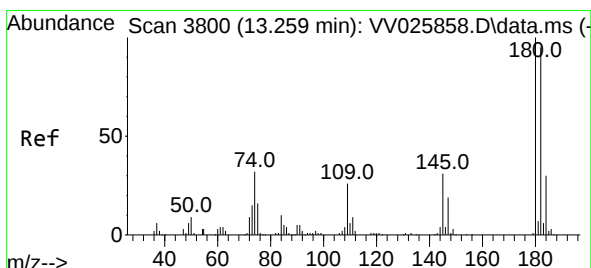
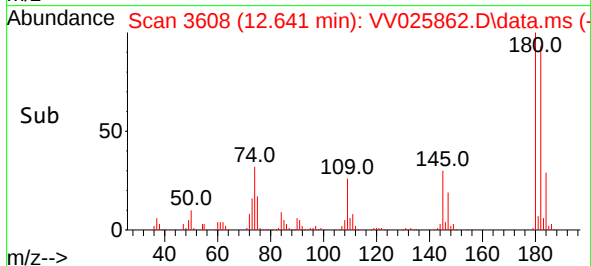
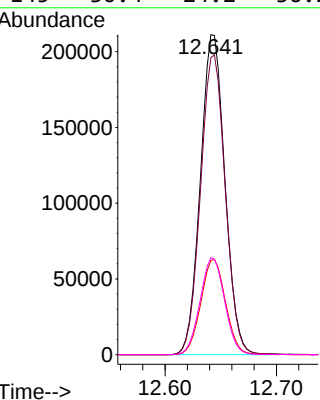
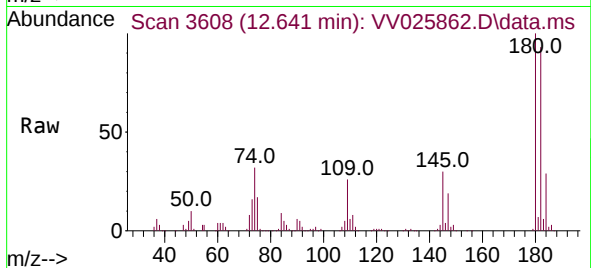
Ion Ratio Lower Upper

180 100

182 94.4 75.1 112.7

184 30.0 23.6 35.4

145 30.4 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 56.903 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

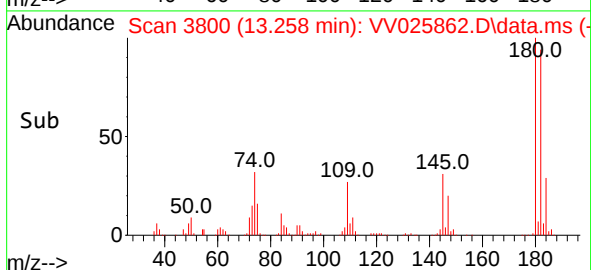
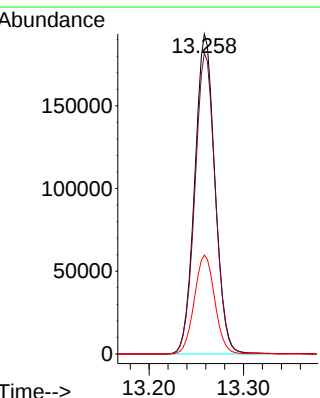
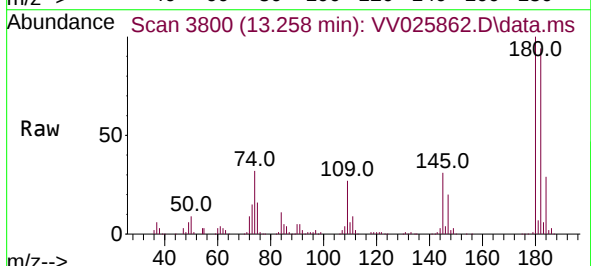
Tgt Ion:180 Resp: 286786

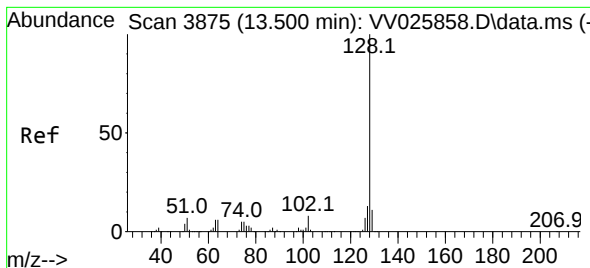
Ion Ratio Lower Upper

180 100

182 95.0 74.8 112.2

145 31.3 24.8 37.2





#71

Naphthalene

Concen: 61.031 ug/L

RT: 13.500 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050291

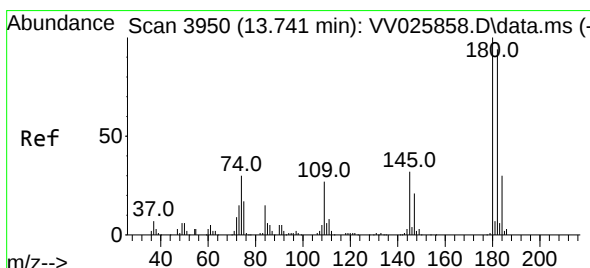
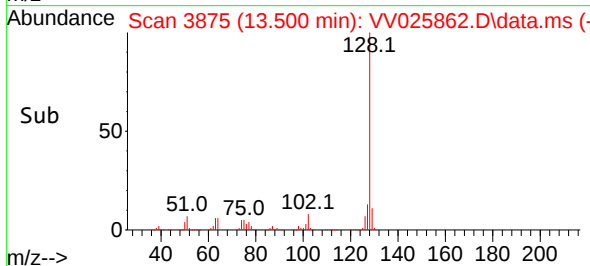
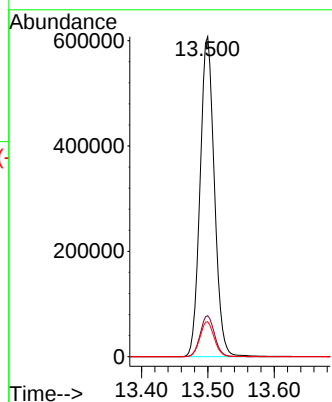
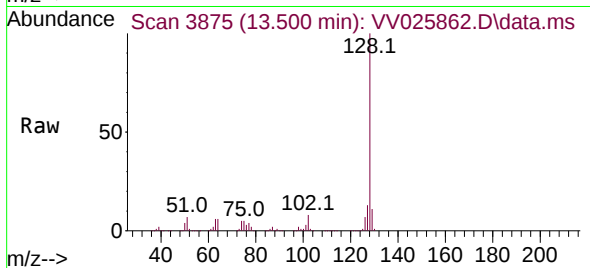
Tgt Ion:128 Resp: 910933

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 55.887 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.000 min

Lab File: VV025862.D

Acq: 10 May 2022 15:51

Tgt Ion:180 Resp: 287030

Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.8

145 33.2 26.3 39.5

