

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW050922\  
 Data File : VW025851.D  
 Acq On : 09 May 2022 10:12  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005287

Quant Time: May 10 04:44:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR050322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 05 04:55:53 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 199709   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 203358   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 111126   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 79408    | 3.627    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 72.600%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 79969    | 4.153    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 83.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 177430   | 4.267    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.400%  |
| 20) 2-Butanone-d5             | 3.899  | 46    | 147547   | 49.252   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 98.500%  |
| 24) Chloroform-d              | 4.346  | 84    | 153512   | 4.682    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 67270    | 4.636    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.800%  |
| 32) Benzene-d6                | 5.047  | 84    | 286424   | 4.386    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 86530    | 4.505    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.200%  |
| 41) Toluene-d8                | 7.313  | 98    | 258680   | 4.378    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.600%  |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 27469    | 4.518    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.400%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 121843   | 51.419   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 102.840% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 58958    | 4.862    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 97.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 86342    | 4.430    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130  | 85    | 108537   | 4.616    | ug/L   | 99       |
| 3) Chloromethane              | 1.243  | 50    | 128653   | 4.699    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.314  | 62    | 133009   | 4.867    | ug/L   | 100      |
| 6) Bromomethane               | 1.523  | 94    | 74677    | 5.019    | ug/L   | 97       |
| 8) Chloroethane               | 1.587  | 64    | 82210    | 4.675    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 177873   | 4.783    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101   | 101322   | 5.051    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.121  | 96    | 98860    | 5.136    | ug/L # | 76       |
| 13) Acetone                   | 2.198  | 43    | 94871    | 48.117   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.294  | 76    | 247310   | 4.969    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.445  | 43    | 22221    | 4.708    | ug/L   | 90       |
| 16) Methylene chloride        | 2.506  | 84    | 82603    | 4.424    | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 139202   | 4.757    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.760  | 96    | 81474    | 4.805    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 147882   | 4.890    | ug/L   | 98       |
| 21) 2-Butanone                | 3.986  | 43    | 128497   | 48.707   | ug/L   | 87       |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96    | 81993    | 4.724    | ug/L   | 92       |
| 23) Bromochloromethane        | 4.246  | 128   | 35580    | 5.013    | ug/L # | 88       |
| 25) Chloroform                | 4.371  | 83    | 157460   | 4.988    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW050922\  
 Data File : VW025851.D  
 Acq On : 09 May 2022 10:12  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005287

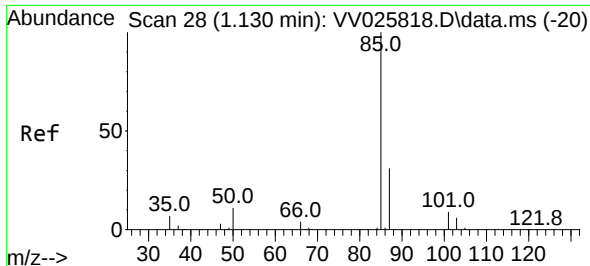
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR050322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 05 04:55:53 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 82722    | 4.834  | ug/L  | 95       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 135130   | 4.906  | ug/L  | 98       |
| 30) Cyclohexane               | 4.674  | 56   | 117739   | 4.726  | ug/L  | 96       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 117139   | 4.982  | ug/L  | 98       |
| 33) Benzene                   | 5.095  | 78   | 339464   | 4.981  | ug/L  | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 85420    | 4.763  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.127  | 83   | 133639   | 4.836  | ug/L  | 94       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 82316    | 4.971  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 101806   | 4.959  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 98741    | 4.867  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 341632   | 49.660 | ug/L  | 95       |
| 42) Toluene                   | 7.384  | 91   | 365020   | 5.043  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 79693    | 4.926  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 51132    | 4.839  | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.973  | 164  | 66962    | 4.375  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.136  | 43   | 243126   | 50.113 | ug/L  | 96       |
| 49) Dibromochloromethane      | 8.243  | 129  | 59458    | 5.100  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 45427    | 4.874  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.876  | 112  | 225227   | 4.892  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.008  | 91   | 372120   | 4.963  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.136  | 106  | 150591   | 5.111  | ug/L  | 95       |
| 54) o-Xylene                  | 9.542  | 106  | 140787   | 5.038  | ug/L  | 96       |
| 55) Styrene                   | 9.558  | 104  | 246878   | 5.349  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 53699    | 4.774  | ug/L  | 99       |
| 59) Bromoform                 | 9.728  | 173  | 26459    | 5.063  | ug/L  | 95       |
| 60) Isopropylbenzene          | 9.927  | 105  | 369932   | 4.946  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 41472    | 4.663  | ug/L  | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 152256   | 4.737  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 293861   | 5.002  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 173654   | 5.046  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 169524   | 4.824  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 151866   | 4.942  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 7334     | 4.420  | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 125441   | 4.856  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 88722    | 4.600  | ug/L  | 100      |
| 71) Naphthalene               | 13.500 | 128  | 121087   | 4.422  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 77019    | 4.901  | ug/L  | 97       |

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

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QLast Update : Thu May 05 04:55:53 2022  
Response via : Initial Calibration

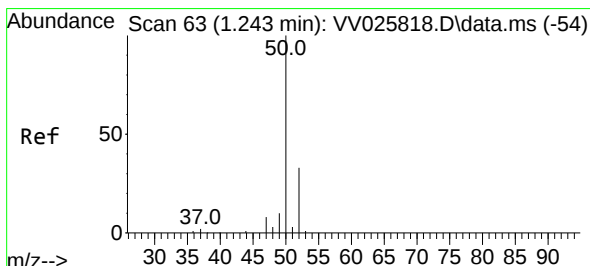
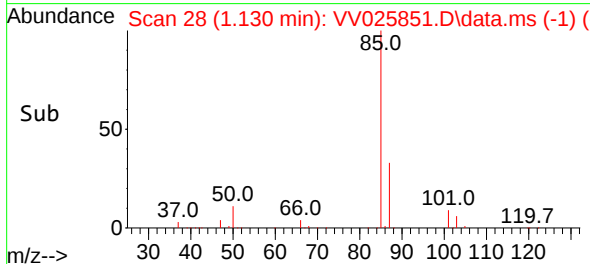
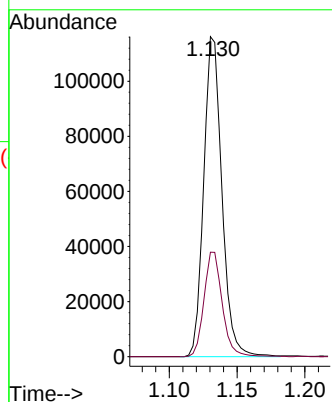
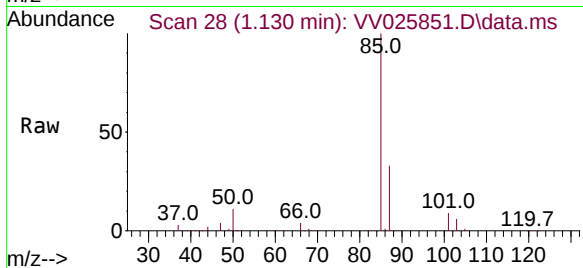




#2  
 Dichlorodifluoromethane  
 Concen: 4.616 ug/L  
 RT: 1.130 min Scan# 28  
 Delta R.T. -0.000 min  
 Lab File: VV025851.D  
 Acq: 09 May 2022 10:12

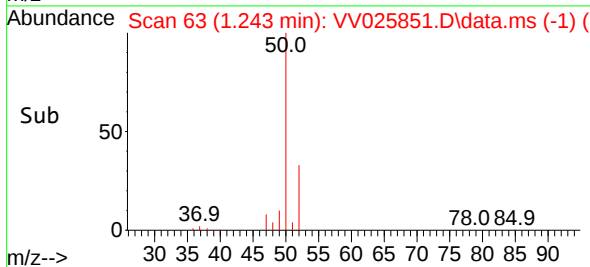
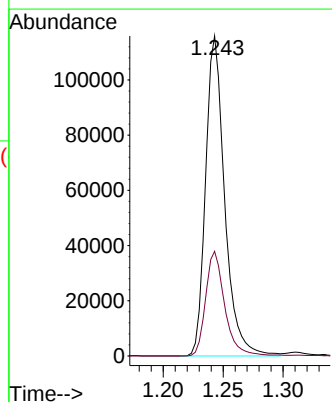
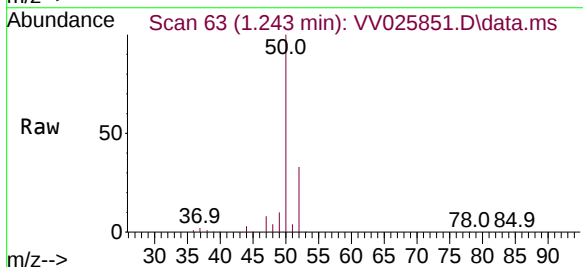
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005287

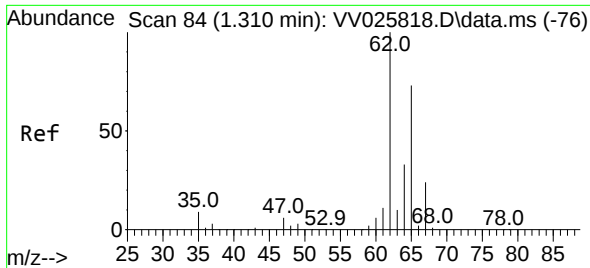
Tgt Ion: 85 Resp: 108537  
 Ion Ratio Lower Upper  
 85 100  
 87 32.8 25.6 38.4



#3  
 Chloromethane  
 Concen: 4.699 ug/L  
 RT: 1.243 min Scan# 63  
 Delta R.T. -0.000 min  
 Lab File: VV025851.D  
 Acq: 09 May 2022 10:12

Tgt Ion: 50 Resp: 128653  
 Ion Ratio Lower Upper  
 50 100  
 52 32.7 23.7 43.9

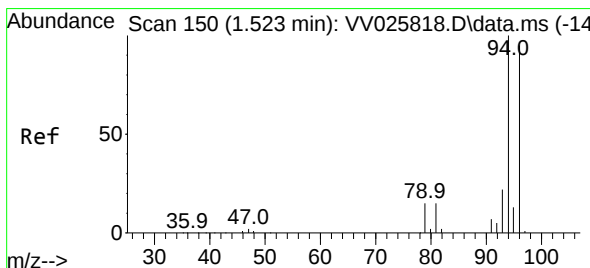
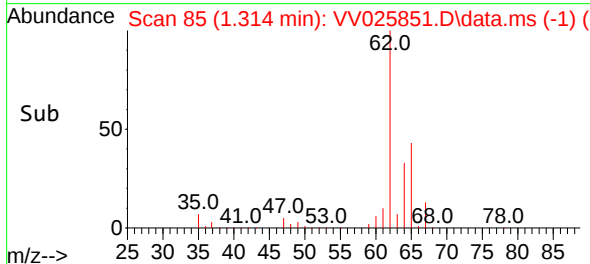
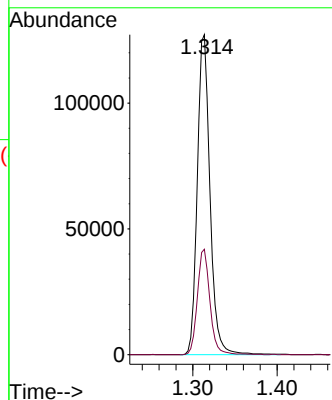
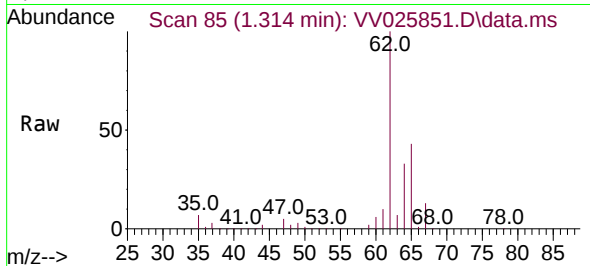




#5  
 Vinyl chloride  
 Concen: 4.867 ug/L  
 RT: 1.314 min Scan# 84  
 Delta R.T. -0.000 min  
 Lab File: VV025851.D  
 Acq: 09 May 2022 10:12

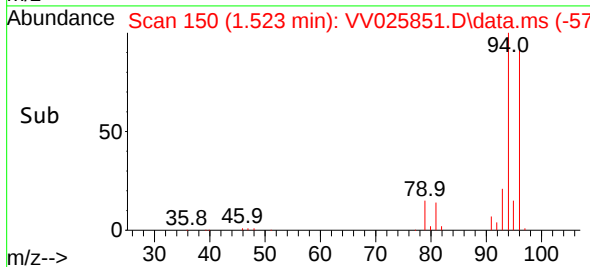
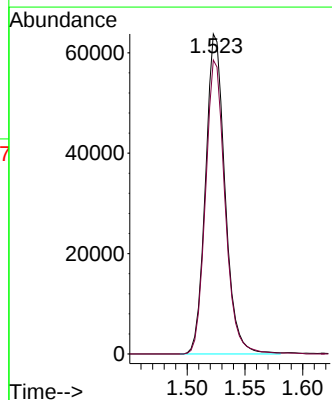
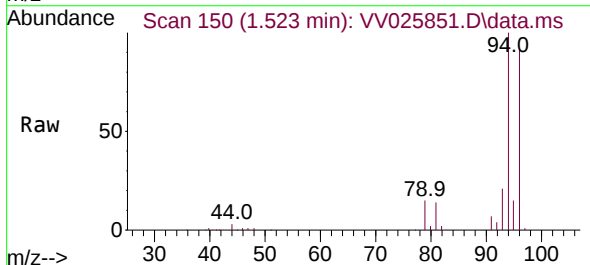
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005287

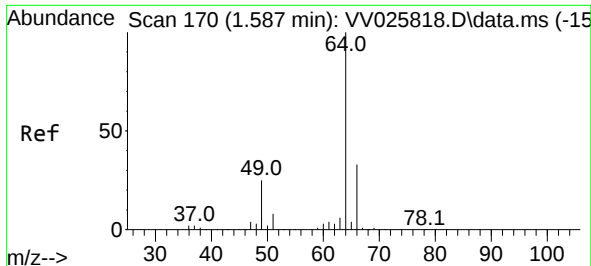
Tgt Ion: 62 Resp: 133009  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 23.2 43.2



#6  
 Bromomethane  
 Concen: 5.019 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. -0.000 min  
 Lab File: VV025851.D  
 Acq: 09 May 2022 10:12

Tgt Ion: 94 Resp: 74677  
 Ion Ratio Lower Upper  
 94 100  
 96 91.8 66.1 122.7

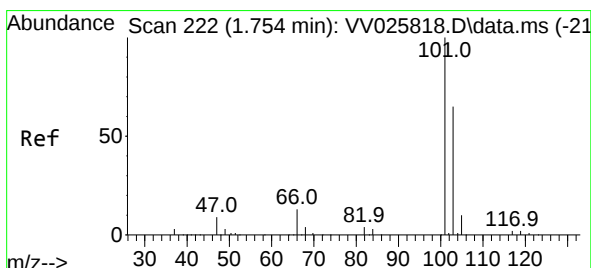
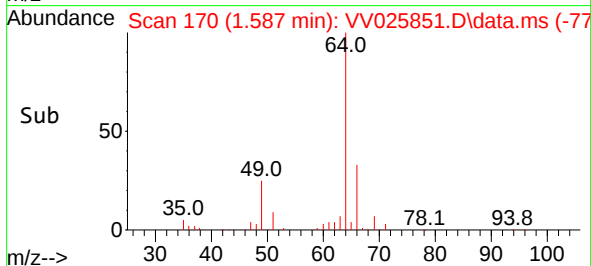
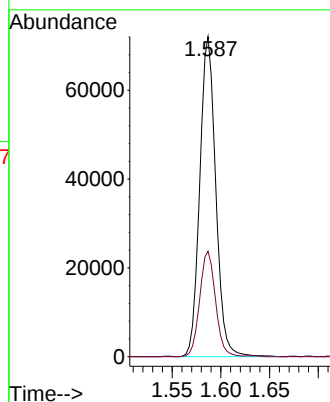
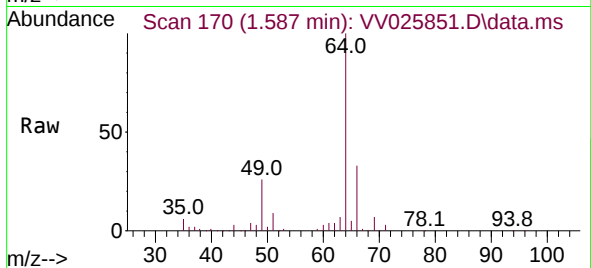




#8  
Chloroethane  
Concen: 4.675 ug/L  
RT: 1.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

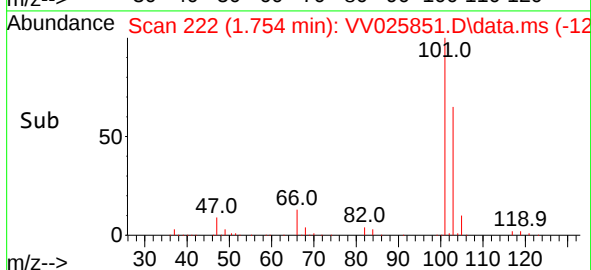
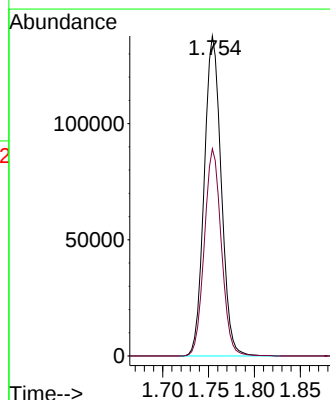
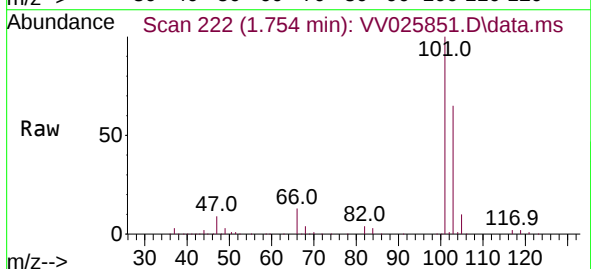
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

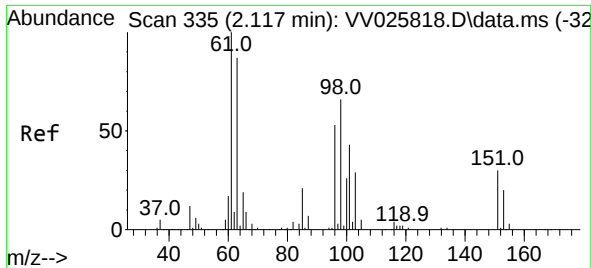
Tgt Ion: 64 Resp: 82210  
Ion Ratio Lower Upper  
64 100  
66 32.9 21.8 40.6



#9  
Trichlorofluoromethane  
Concen: 4.783 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Tgt Ion:101 Resp: 177873  
Ion Ratio Lower Upper  
101 100  
103 64.7 51.9 77.9

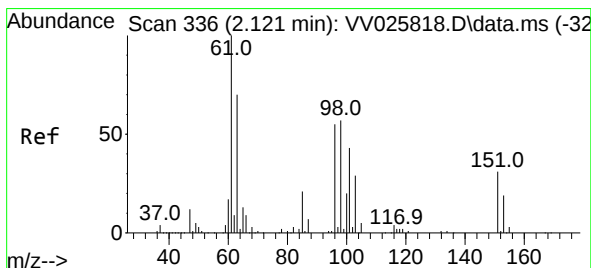
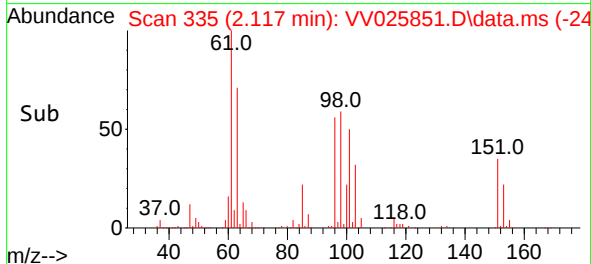
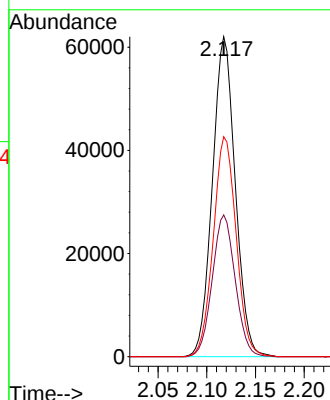
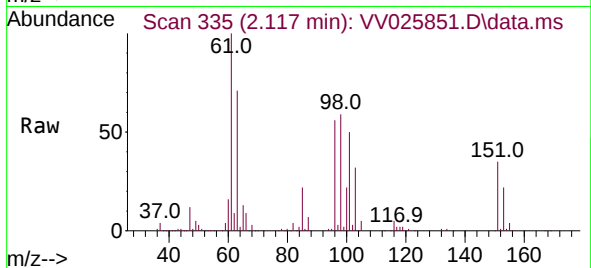




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.051 ug/L  
 RT: 2.117 min Scan# 311  
 Delta R.T. -0.000 min  
 Lab File: VV025851.D  
 Acq: 09 May 2022 10:12

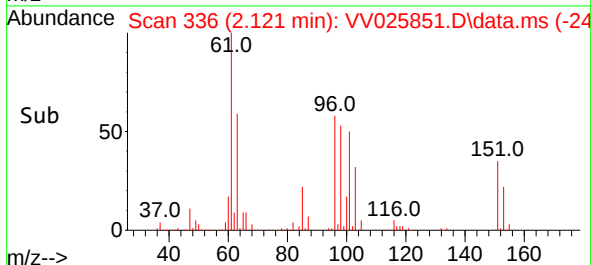
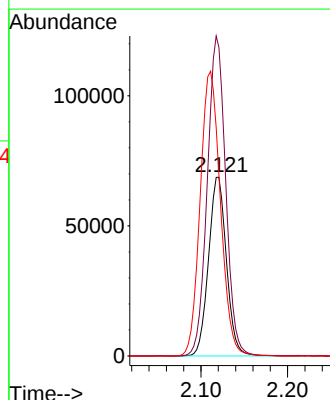
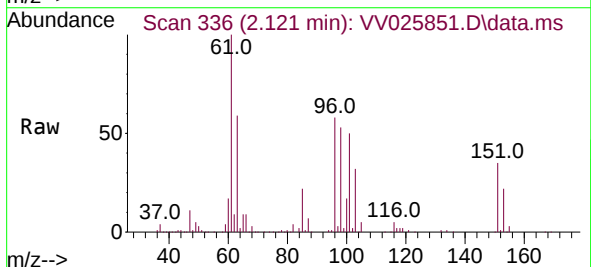
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005287

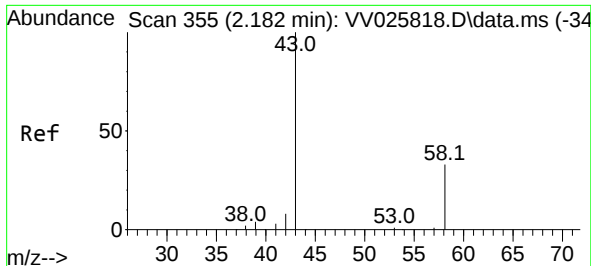
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 151 68.9 56.0 84.0



#12  
 1,1-Dichloroethene  
 Concen: 5.136 ug/L  
 RT: 2.121 min Scan# 336  
 Delta R.T. -0.000 min  
 Lab File: VV025851.D  
 Acq: 09 May 2022 10:12

Tgt Ion: 96 Resp: 98860  
 Ion Ratio Lower Upper  
 96 100  
 61 172.6 125.2 232.4  
 63 101.4 114.4 212.4#





#13

Acetone

Concen: 48.117 ug/L

RT: 2.198 min Scan# 3

Delta R.T. 0.016 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

Instrument :

MSVOA\_V

ClientSampleId :

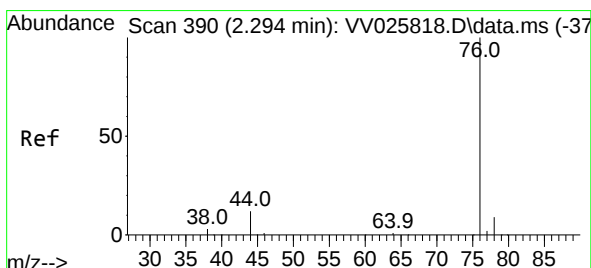
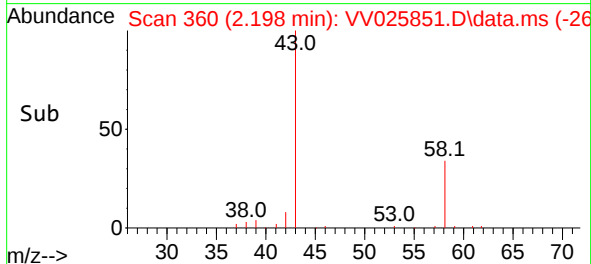
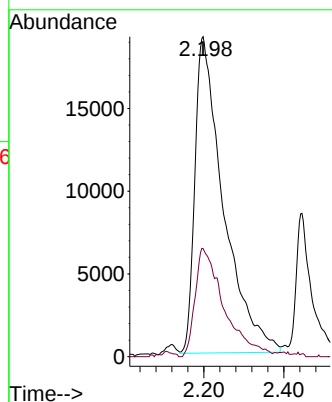
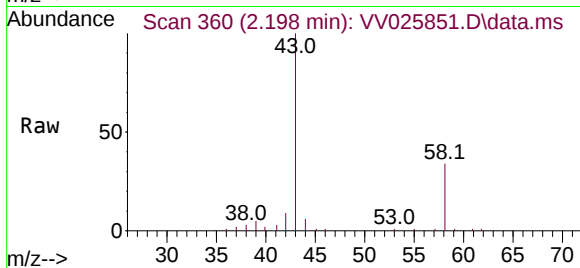
VSTD005287

Tgt Ion: 43 Resp: 94871

Ion Ratio Lower Upper

43 100

58 34.7 0.0 72.2



#14

Carbon disulfide

Concen: 4.969 ug/L

RT: 2.294 min Scan# 390

Delta R.T. -0.000 min

Lab File: VV025851.D

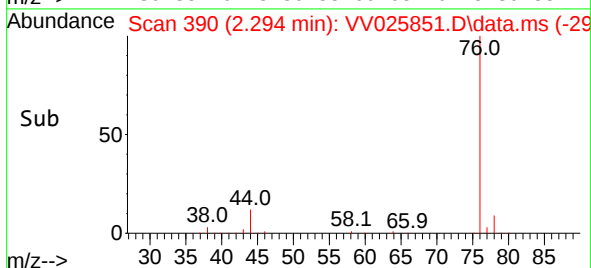
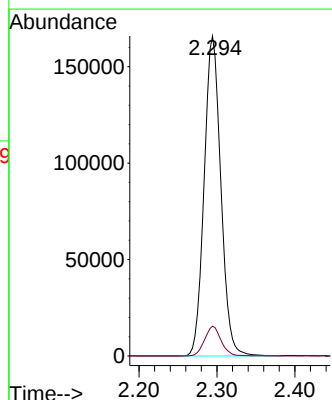
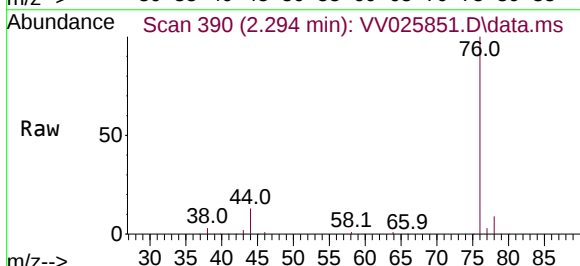
Acq: 09 May 2022 10:12

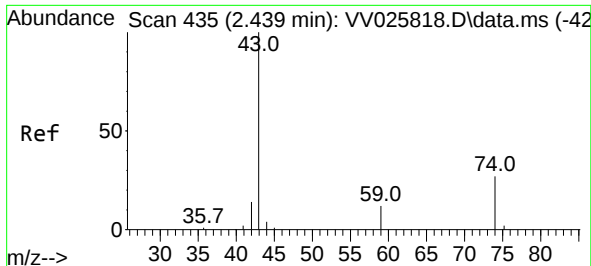
Tgt Ion: 76 Resp: 247310

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

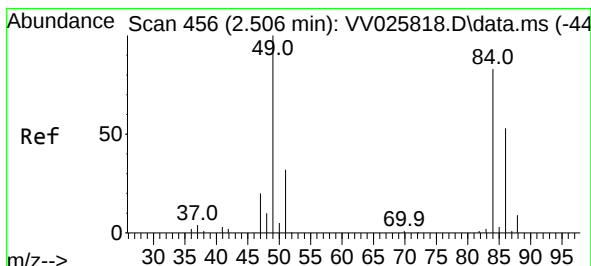
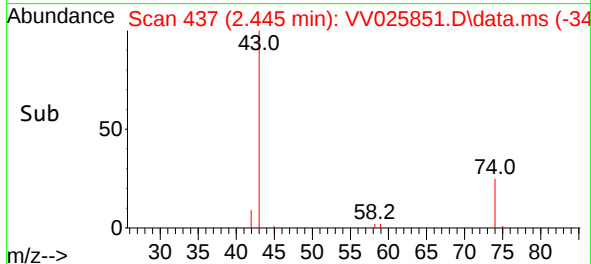
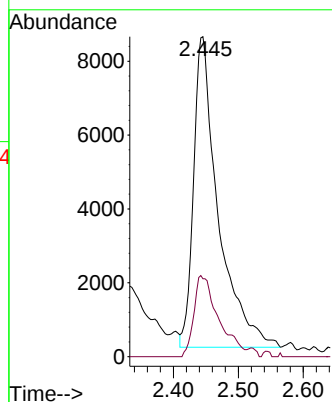
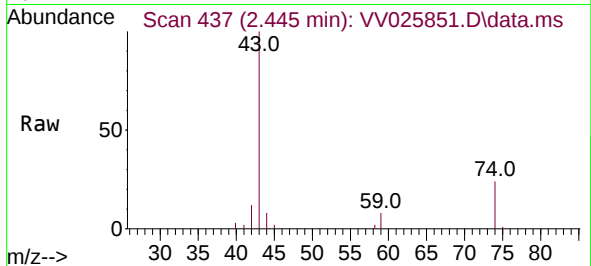




#15  
Methyl Acetate  
Concen: 4.708 ug/L  
RT: 2.445 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

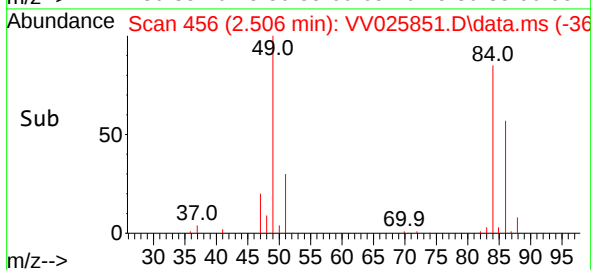
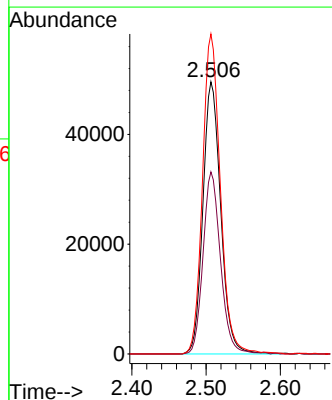
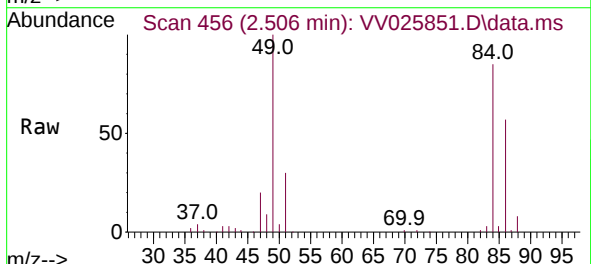
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

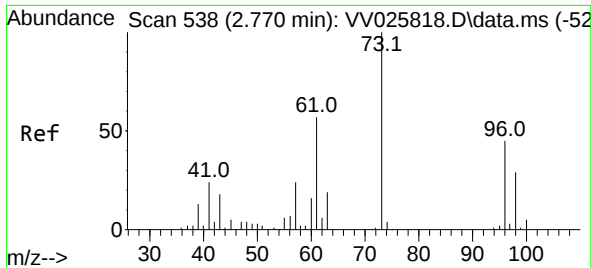
Tgt Ion: 43 Resp: 22221  
Ion Ratio Lower Upper  
43 100  
74 26.1 25.2 37.8



#16  
Methylene chloride  
Concen: 4.424 ug/L  
RT: 2.506 min Scan# 456  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Tgt Ion: 84 Resp: 82603  
Ion Ratio Lower Upper  
84 100  
86 66.9 45.9 85.3  
49 117.6 76.6 142.3

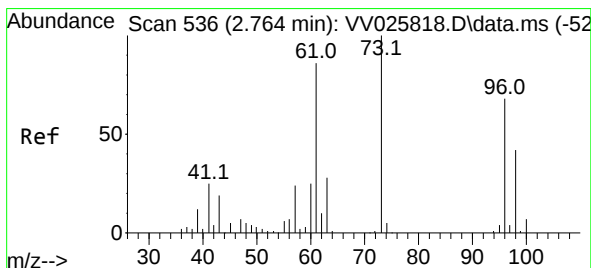
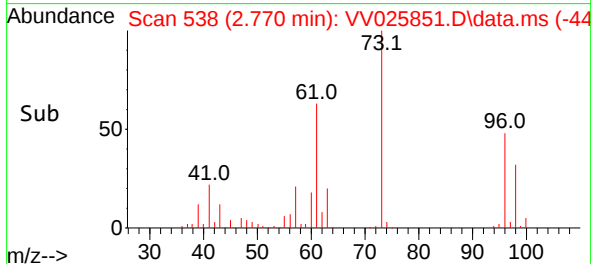
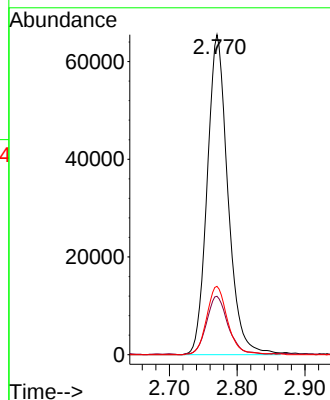
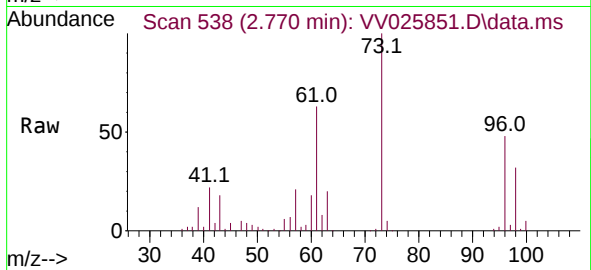




#17  
Methyl tert-butyl Ether  
Concen: 4.757 ug/L  
RT: 2.770 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

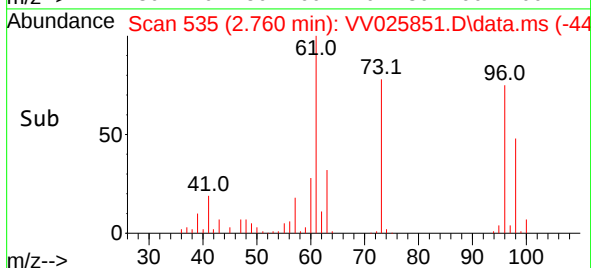
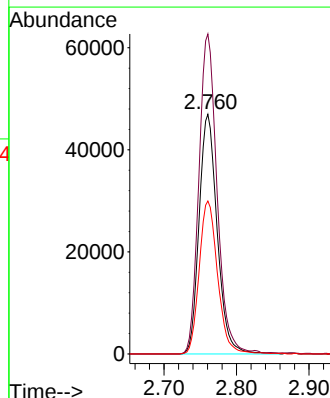
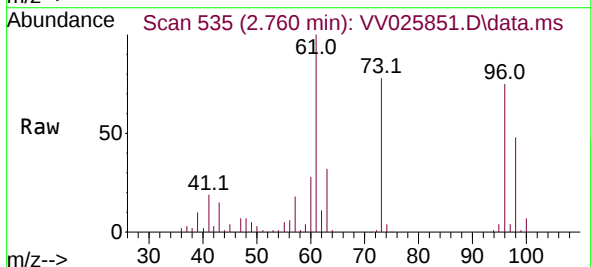
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

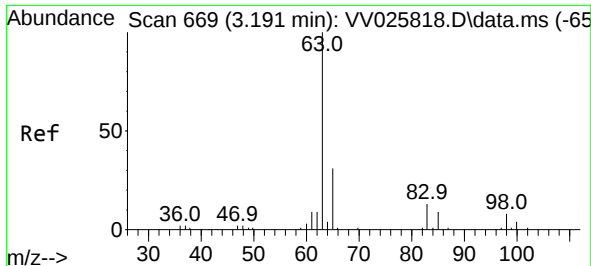
Tgt Ion: 73 Resp: 139202  
Ion Ratio Lower Upper  
73 100  
43 19.2 14.2 21.4  
57 21.6 16.1 24.1



#18  
trans-1,2-Dichloroethene  
Concen: 4.805 ug/L  
RT: 2.760 min Scan# 535  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Tgt Ion: 96 Resp: 81474  
Ion Ratio Lower Upper  
96 100  
61 133.5 92.1 171.1  
98 63.8 47.5 88.1





#19

1,1-Dichloroethane

Concen: 4.890 ug/L

RT: 3.188 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005287

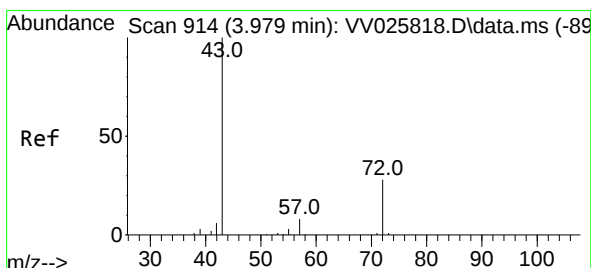
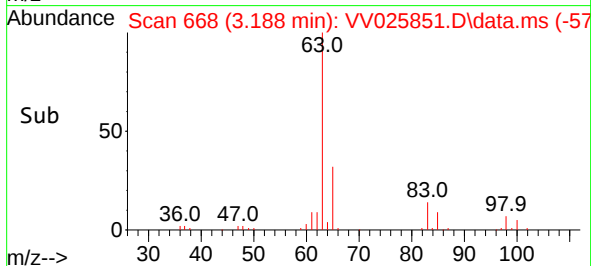
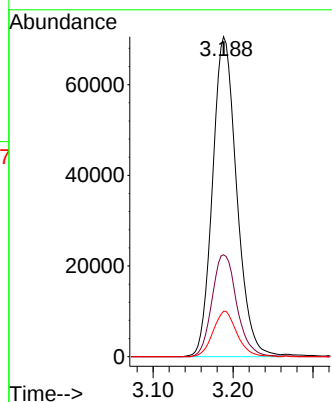
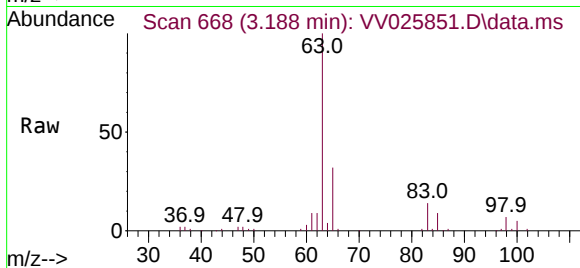
Tgt Ion: 63 Resp: 147882

Ion Ratio Lower Upper

63 100

65 31.9 23.2 43.0

83 14.2 9.0 16.8



#21

2-Butanone

Concen: 48.707 ug/L

RT: 3.986 min Scan# 916

Delta R.T. 0.013 min

Lab File: VV025851.D

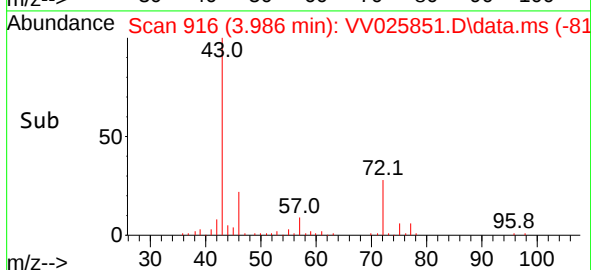
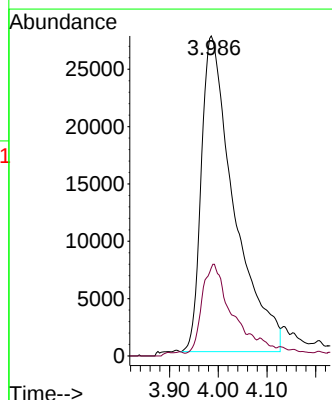
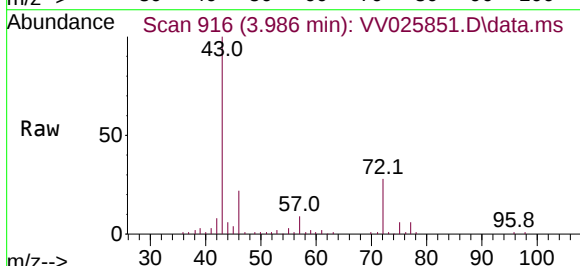
Acq: 09 May 2022 10:12

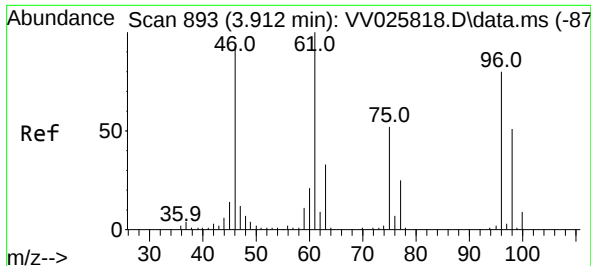
Tgt Ion: 43 Resp: 128497

Ion Ratio Lower Upper

43 100

72 23.2 15.2 45.6





#22

cis-1,2-Dichloroethene

Concen: 4.724 ug/L

RT: 3.908 min Scan# 893

Delta R.T. -0.000 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005287

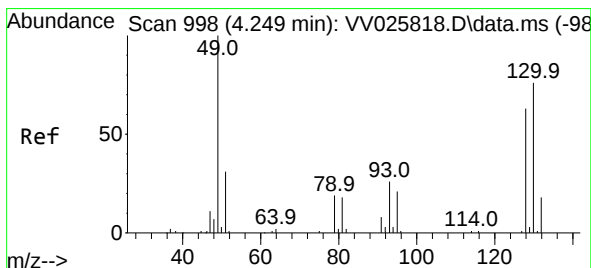
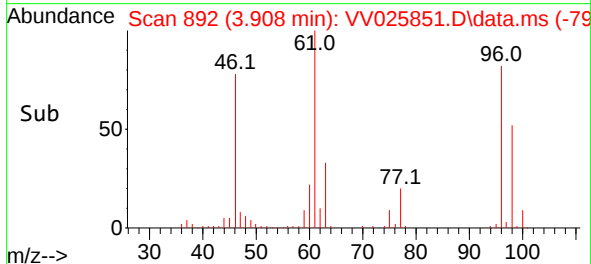
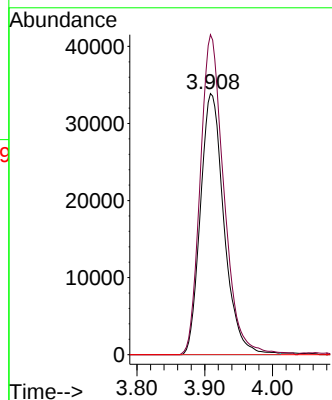
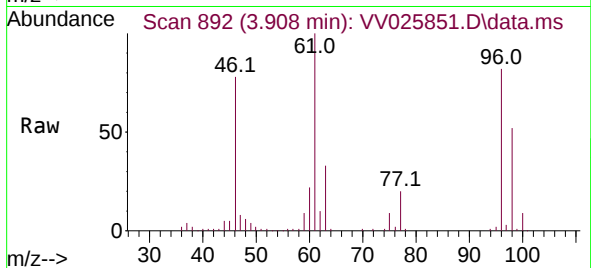
Tgt Ion: 96 Resp: 81993

Ion Ratio Lower Upper

96 100

61 122.5 80.0 148.6

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.013 ug/L

RT: 4.246 min Scan# 997

Delta R.T. 0.003 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

Tgt Ion: 128 Resp: 35580

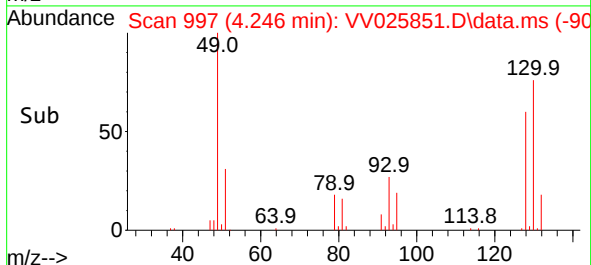
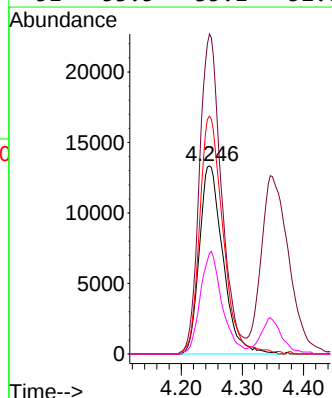
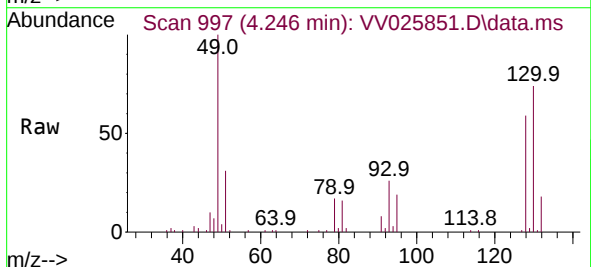
Ion Ratio Lower Upper

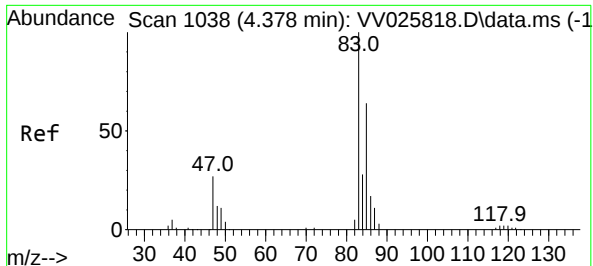
128 100

49 170.2 100.5 186.7

130 126.5 87.8 163.0

51 53.5 35.1 52.7#





#25

Chloroform

Concen: 4.988 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

Instrument :

MSVOA\_V

ClientSampleId :

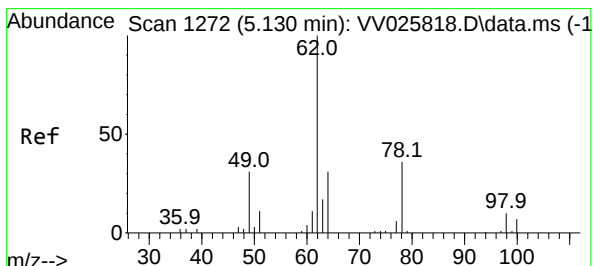
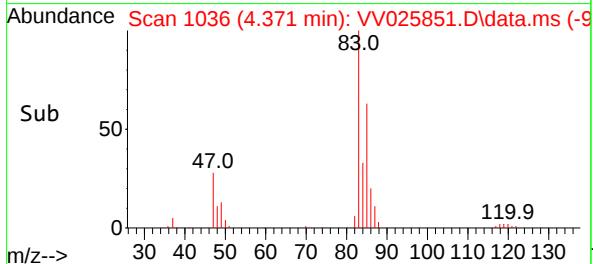
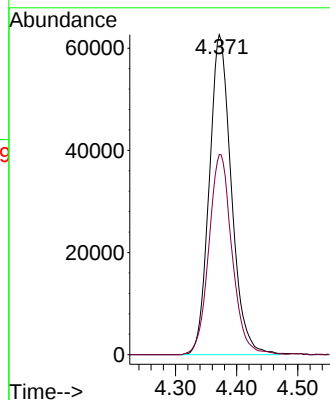
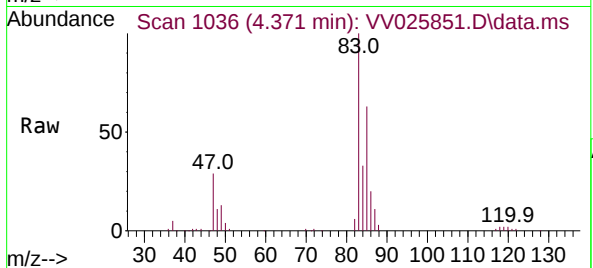
VSTD005287

Tgt Ion: 83 Resp: 157460

Ion Ratio Lower Upper

83 100

85 62.6 43.5 80.7



#27

1,2-Dichloroethane

Concen: 4.834 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VV025851.D

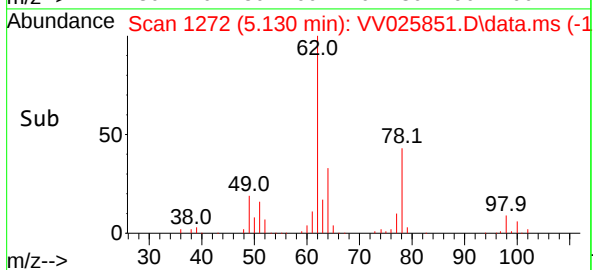
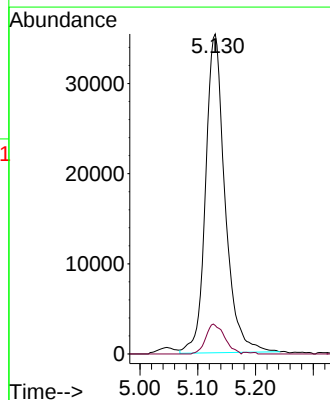
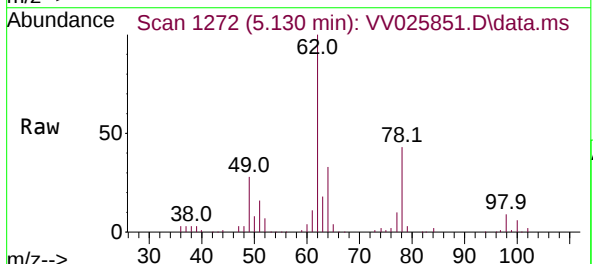
Acq: 09 May 2022 10:12

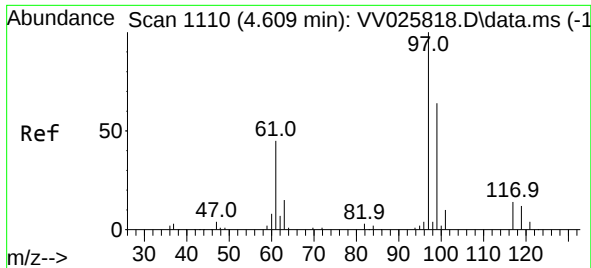
Tgt Ion: 62 Resp: 82722

Ion Ratio Lower Upper

62 100

98 8.9 8.8 13.2





#29

1,1,1-Trichloroethane

Concen: 4.906 ug/L

RT: 4.606 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005287

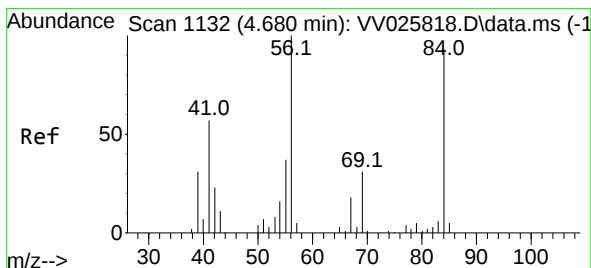
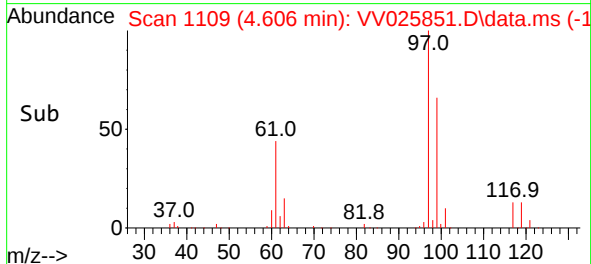
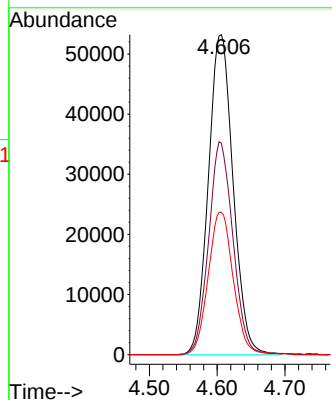
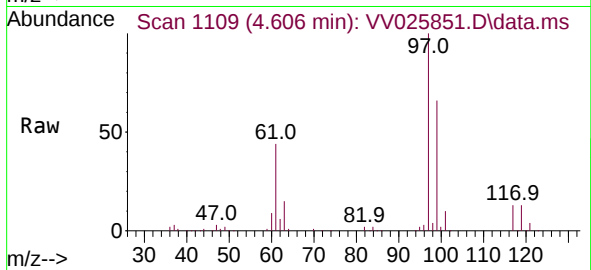
Tgt Ion: 97 Resp: 135130

Ion Ratio Lower Upper

97 100

99 65.2 51.5 77.3

61 45.2 34.3 51.5



#30

Cyclohexane

Concen: 4.726 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

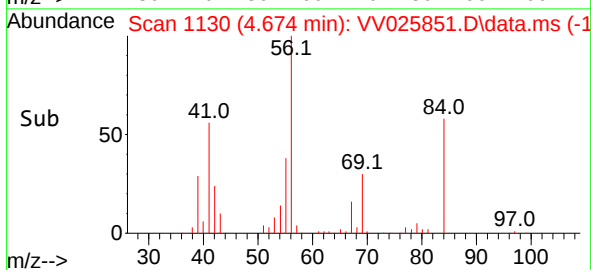
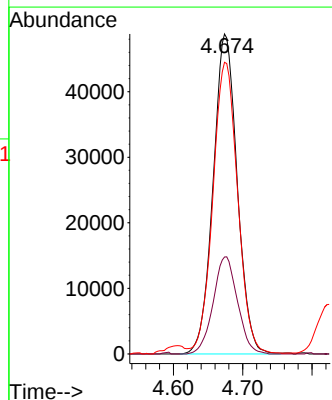
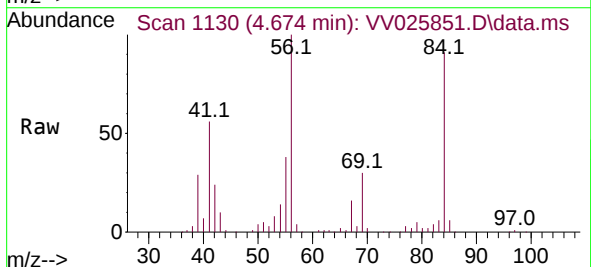
Tgt Ion: 56 Resp: 117739

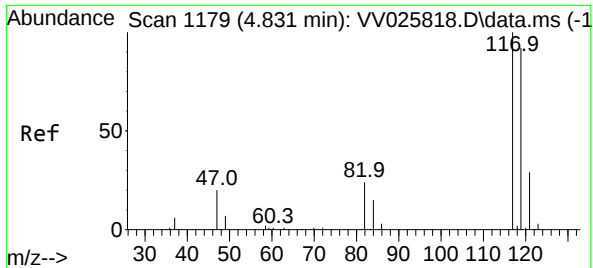
Ion Ratio Lower Upper

56 100

69 30.7 26.1 39.1

84 93.7 78.6 118.0

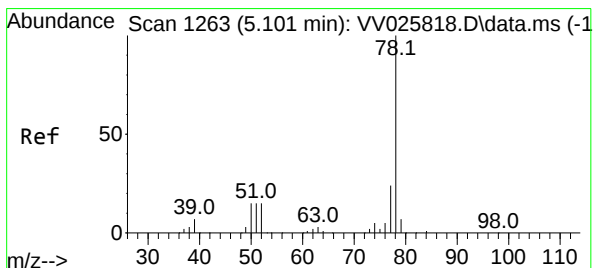
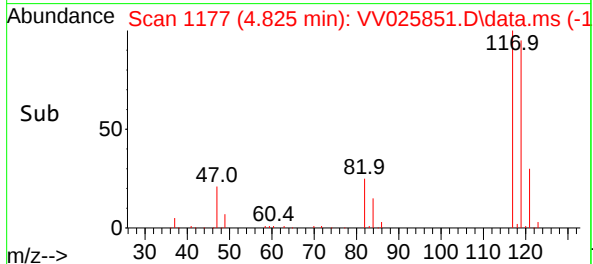
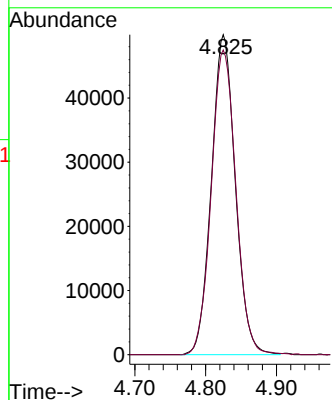
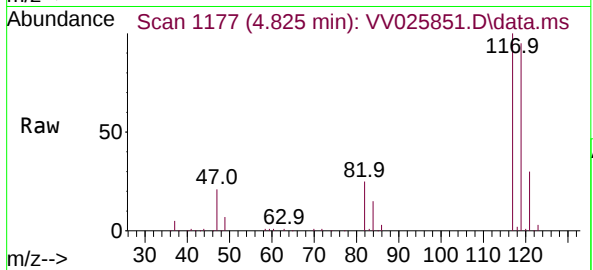




#31  
Carbon tetrachloride  
Concen: 4.982 ug/L  
RT: 4.825 min Scan# 1179  
Delta R.T. 0.003 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

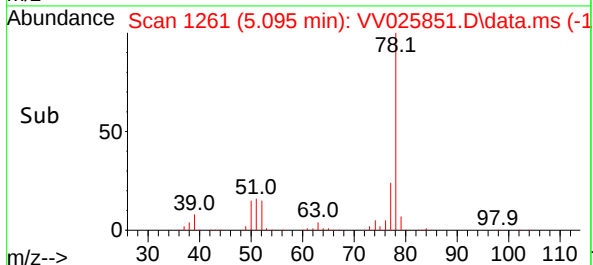
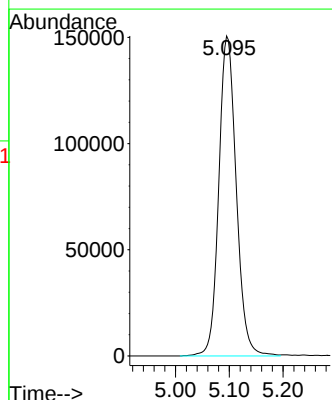
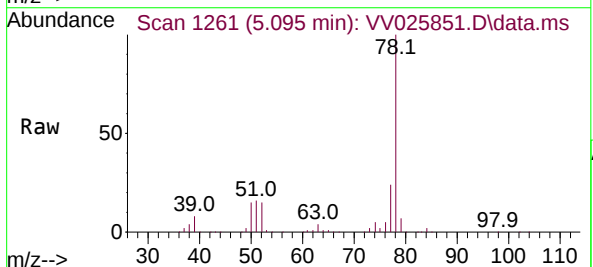
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

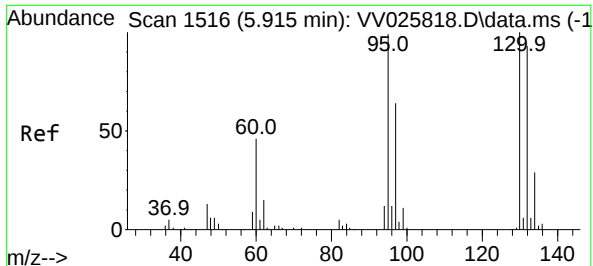
Tgt Ion:117 Resp: 117139  
Ion Ratio Lower Upper  
117 100  
119 98.0 76.6 114.8



#33  
Benzene  
Concen: 4.981 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Tgt Ion: 78 Resp: 339464



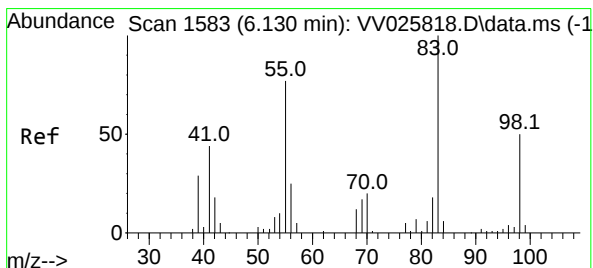
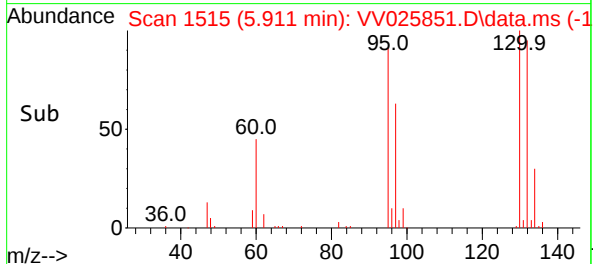
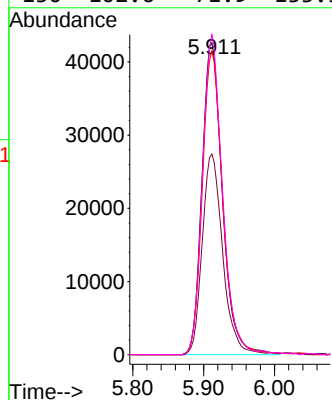
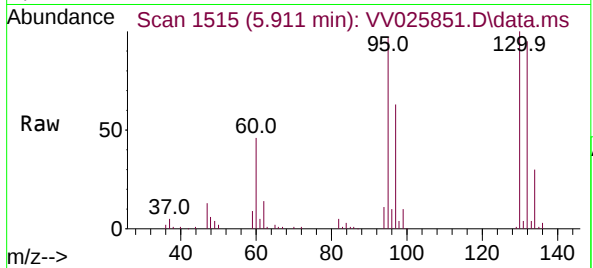


#34  
Trichloroethene  
Concen: 4.763 ug/L  
RT: 5.911 min Scan# 1515  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

Tgt Ion: 95 Resp: 85420

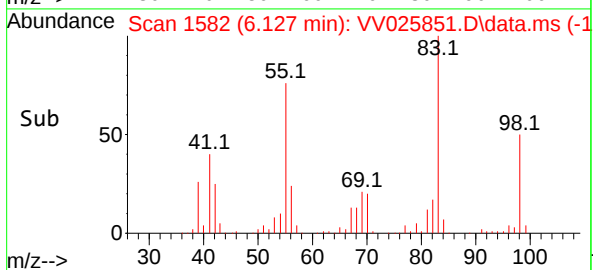
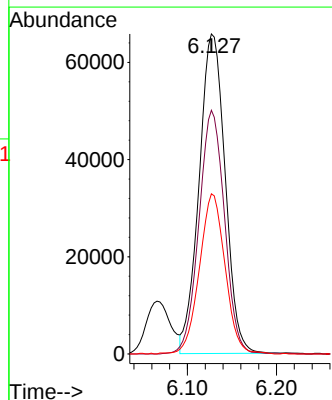
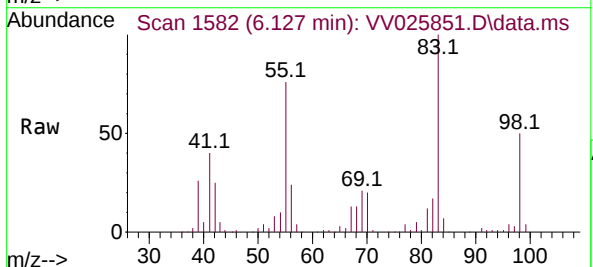
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.3  | 45.8  | 85.2  |
| 132 | 97.4  | 68.0  | 126.4 |
| 130 | 102.6 | 71.9  | 133.5 |

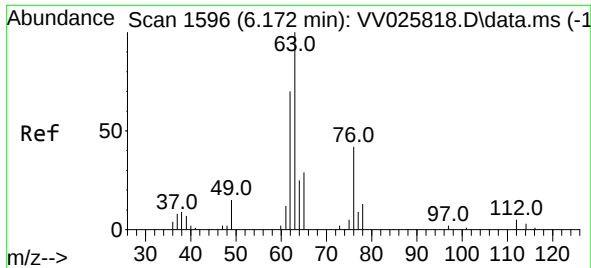


#35  
Methylcyclohexane  
Concen: 4.836 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Tgt Ion: 83 Resp: 133639

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 74.9  | 53.7  | 80.5  |
| 98  | 49.5  | 39.6  | 59.4  |

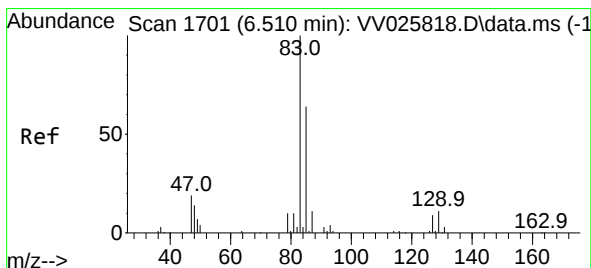
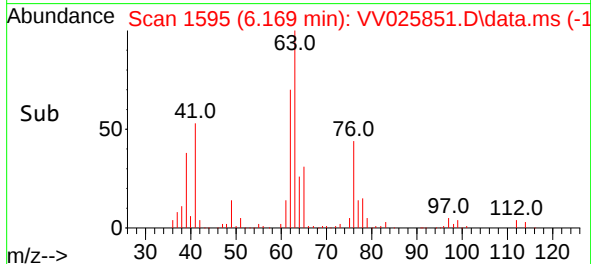
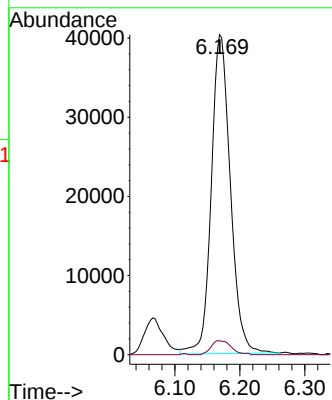
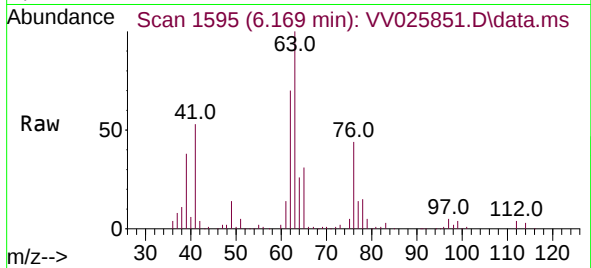




#37  
1,2-Dichloropropane  
Concen: 4.971 ug/L  
RT: 6.169 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

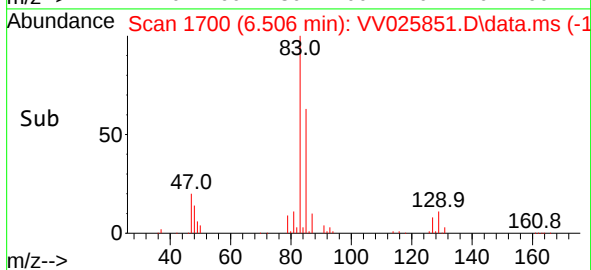
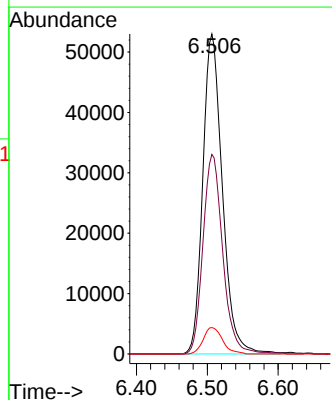
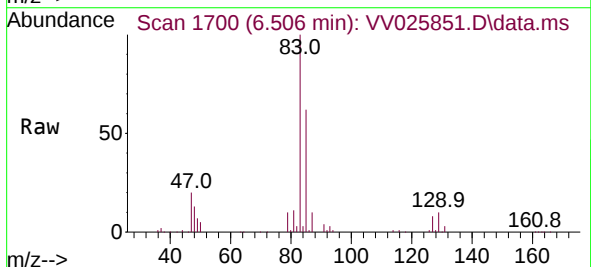
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

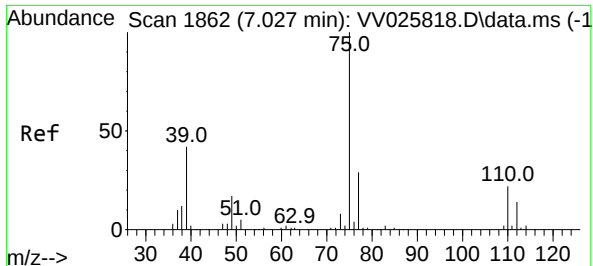
Tgt Ion: 63 Resp: 82316  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.8 5.8



#38  
Bromodichloromethane  
Concen: 4.959 ug/L  
RT: 6.506 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Tgt Ion: 83 Resp: 101806  
Ion Ratio Lower Upper  
83 100  
85 62.3 44.4 82.4  
127 8.2 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.867 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

Instrument :

MSVOA\_V

ClientSampleId :

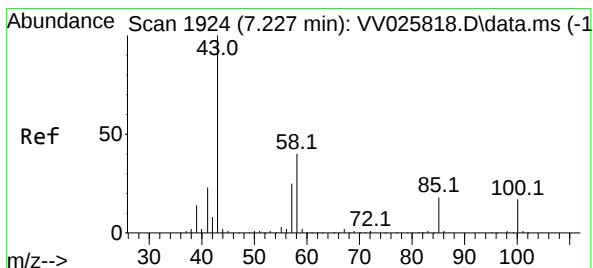
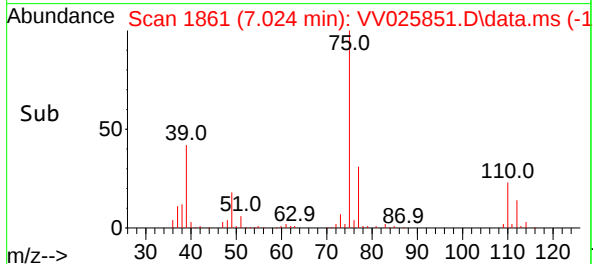
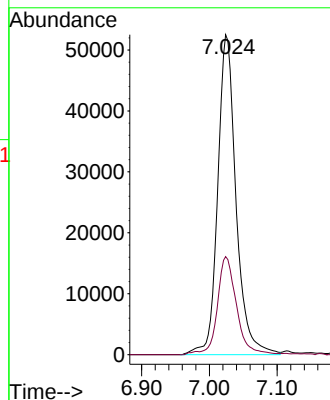
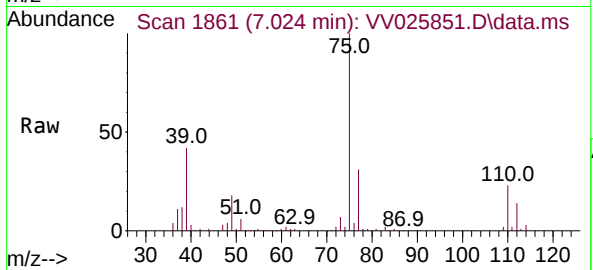
VSTD005287

Tgt Ion: 75 Resp: 98741

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 49.660 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

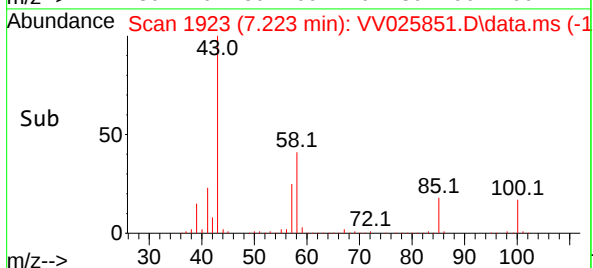
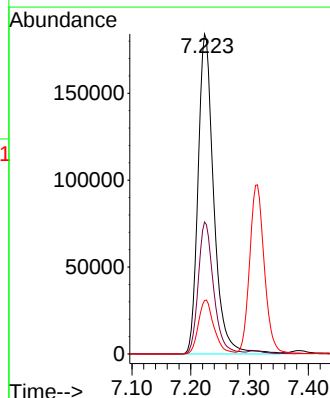
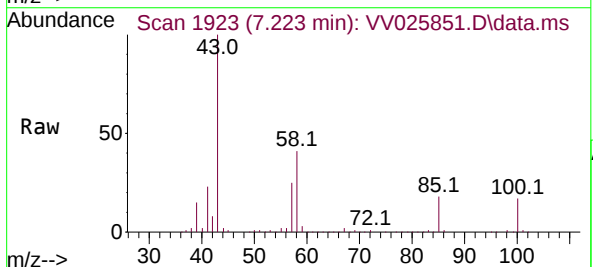
Tgt Ion: 43 Resp: 341632

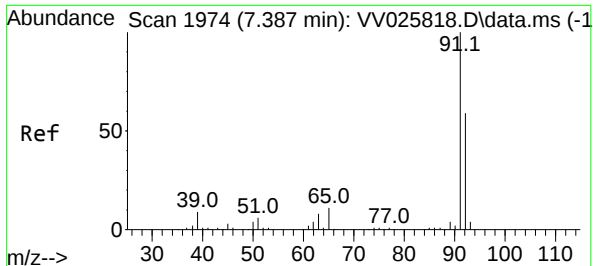
Ion Ratio Lower Upper

43 100

58 40.3 35.1 52.7

100 16.8 15.3 22.9





#42

Toluene

Concen: 5.043 ug/L

RT: 7.384 min Scan# 1974

Delta R.T. -0.000 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

Instrument :

MSVOA\_V

ClientSampleId :

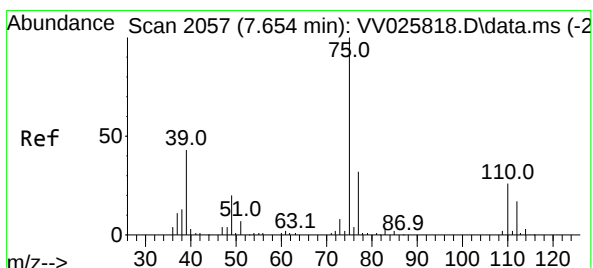
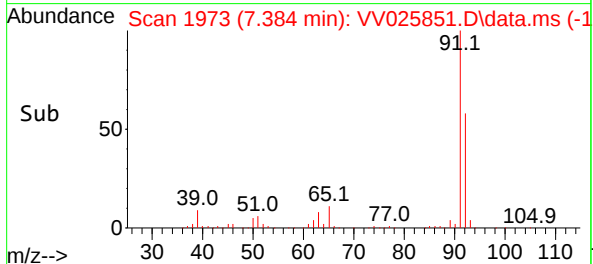
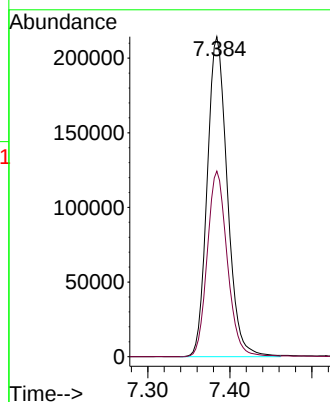
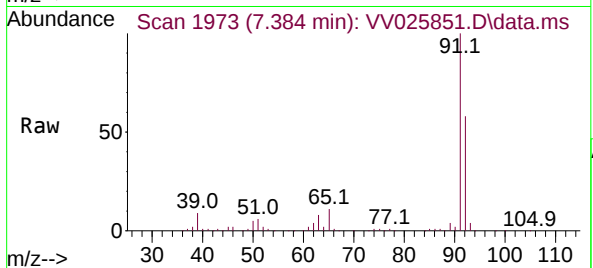
VSTD005287

Tgt Ion: 91 Resp: 365020

Ion Ratio Lower Upper

91 100

92 58.0 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.926 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.000 min

Lab File: VV025851.D

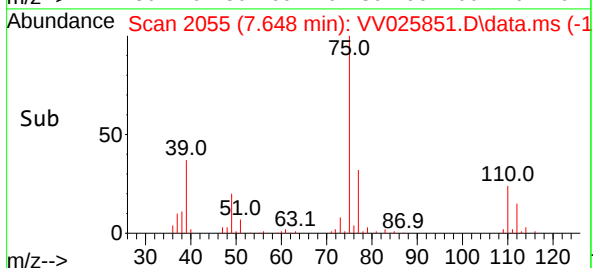
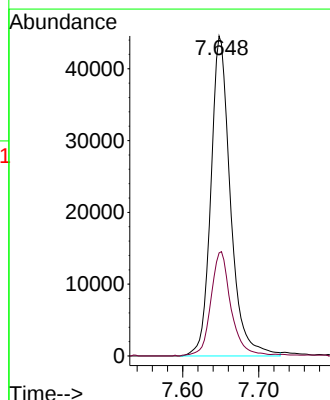
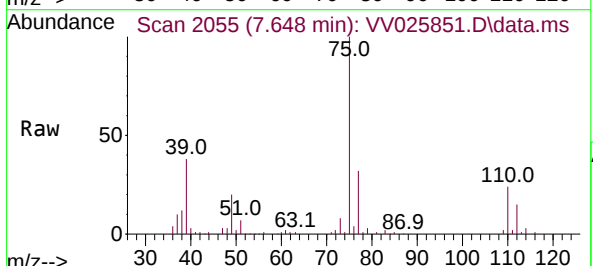
Acq: 09 May 2022 10:12

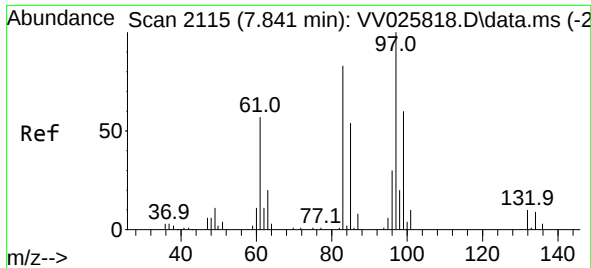
Tgt Ion: 75 Resp: 79693

Ion Ratio Lower Upper

75 100

77 32.2 21.7 40.3

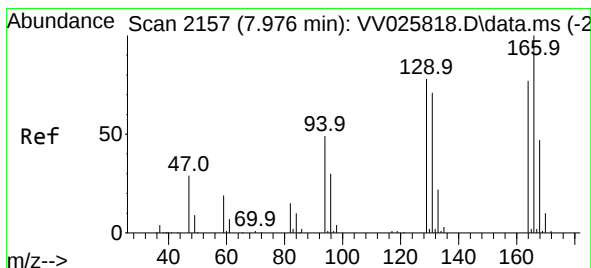
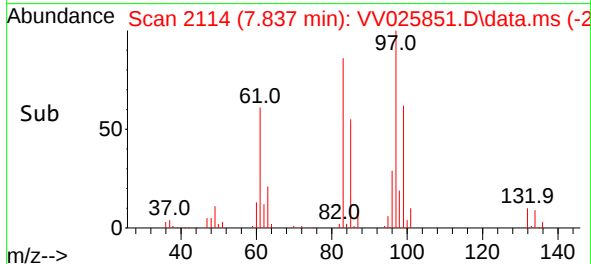
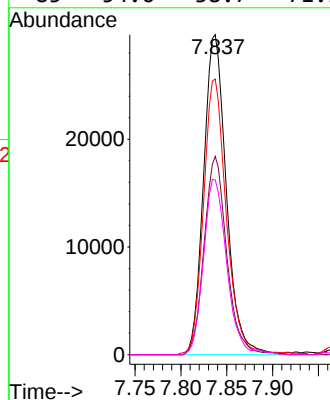
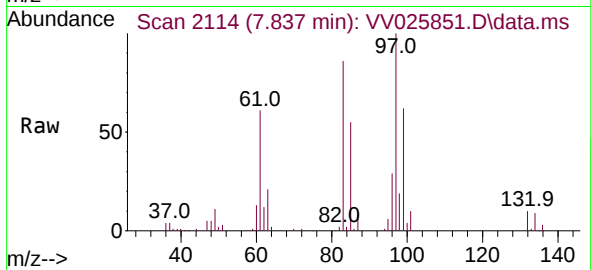




#45  
1,1,2-Trichloroethane  
Concen: 4.839 ug/L  
RT: 7.837 min Scan# 2114  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

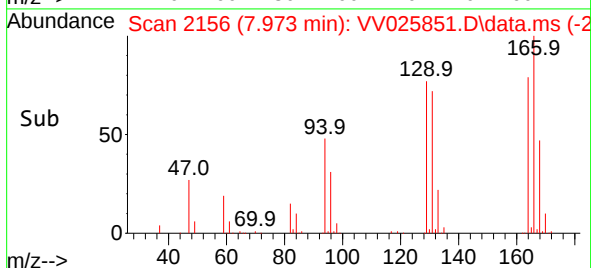
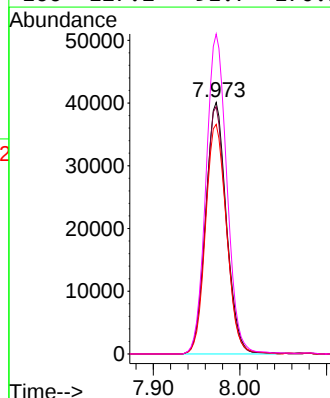
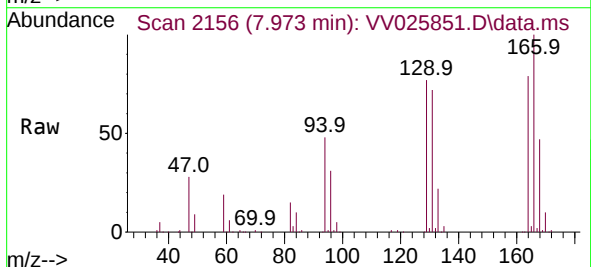
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

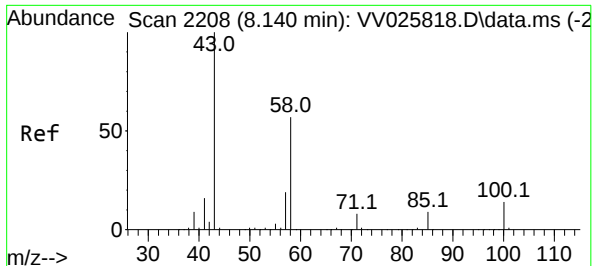
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 51132 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.0  | 43.8  | 81.4  |
| 83       | 86.1  | 60.3  | 112.1 |
| 85       | 54.6  | 38.7  | 71.9  |



#47  
Tetrachloroethene  
Concen: 4.375 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 66962 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 98.3  | 66.8  | 124.2 |
| 131      | 91.3  | 66.4  | 123.4 |
| 166      | 127.2 | 91.7  | 170.3 |



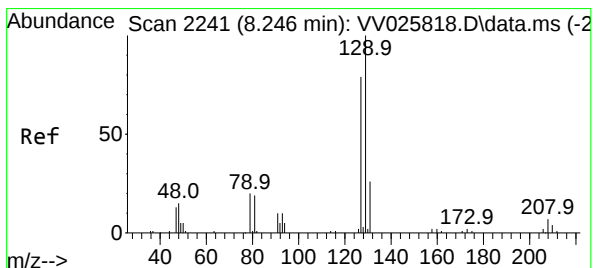
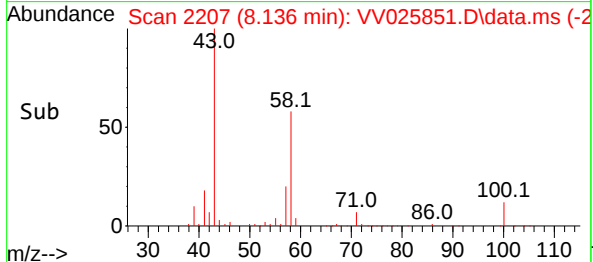
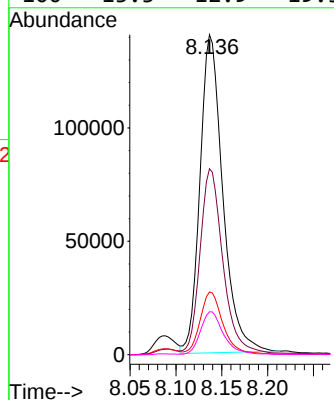
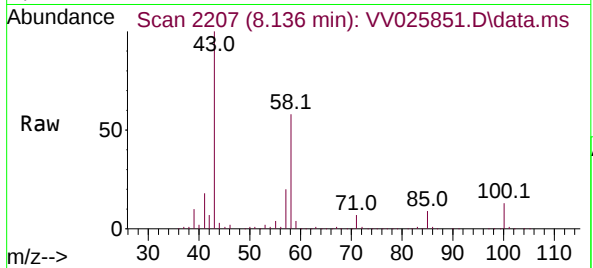


#48  
2-Hexanone  
Concen: 50.113 ug/L  
RT: 8.136 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

Tgt Ion: 43 Resp: 243126

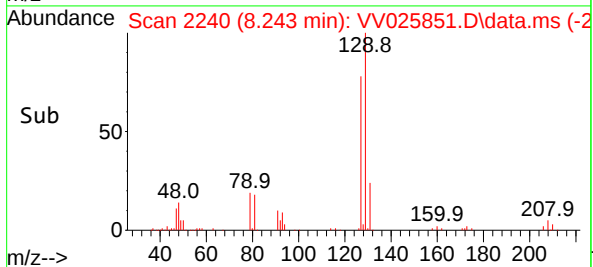
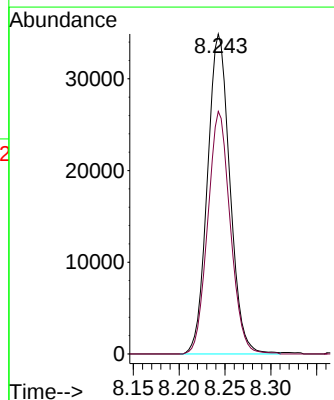
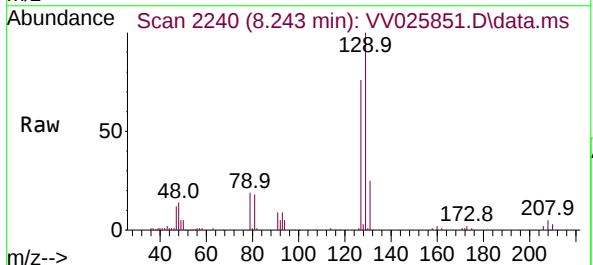
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 59.2  | 49.7  | 74.5  |
| 57  | 19.7  | 16.4  | 24.6  |
| 100 | 13.3  | 12.9  | 19.3  |

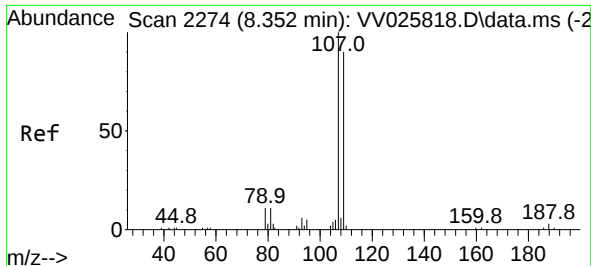


#49  
Dibromochloromethane  
Concen: 5.100 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Tgt Ion: 129 Resp: 59458

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 75.8  | 53.8  | 100.0 |





#50

1,2-Dibromoethane

Concen: 4.874 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005287

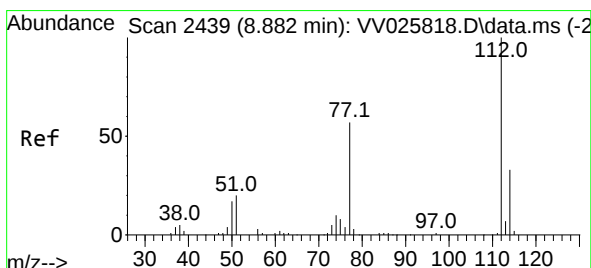
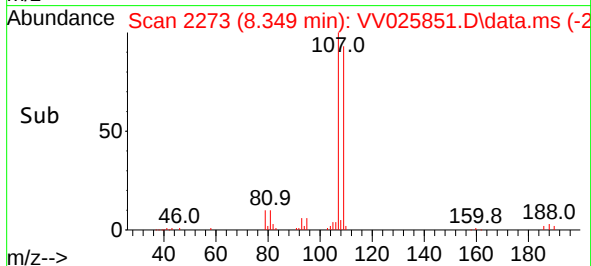
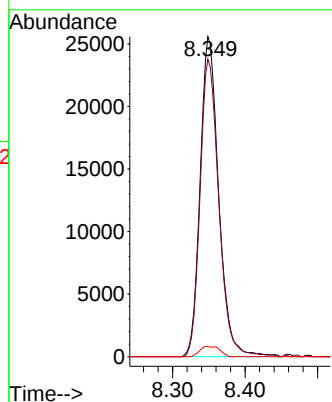
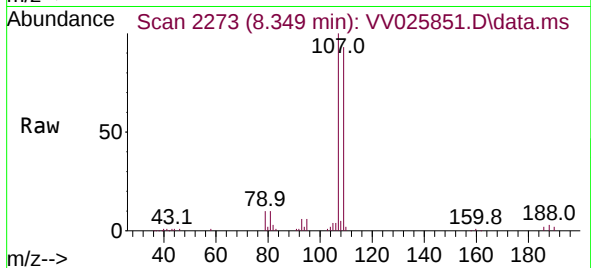
Tgt Ion:107 Resp: 45427

Ion Ratio Lower Upper

107 100

109 93.0 65.9 122.3

188 3.2 2.7 4.1



#51

Chlorobenzene

Concen: 4.892 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.003 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

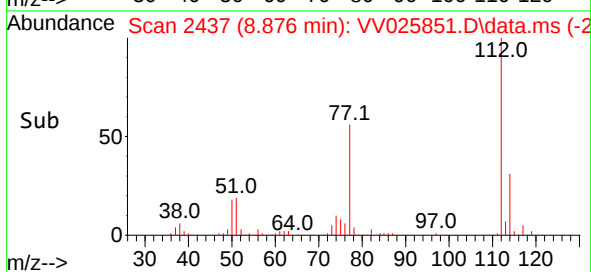
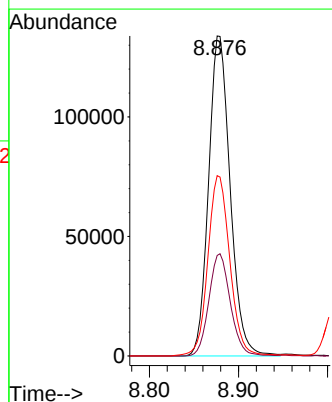
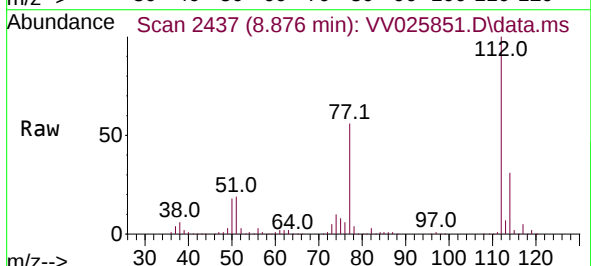
Tgt Ion:112 Resp: 225227

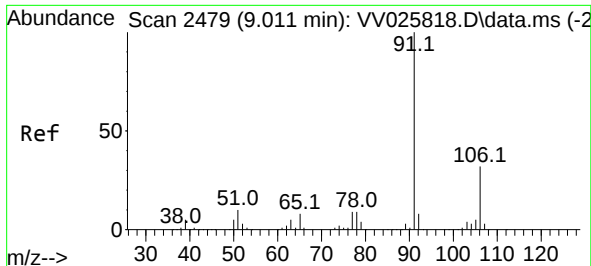
Ion Ratio Lower Upper

112 100

114 31.4 22.4 41.6

77 56.3 43.7 65.5

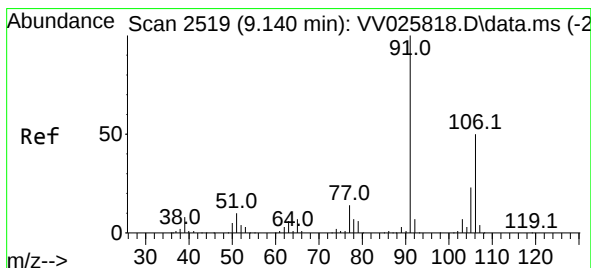
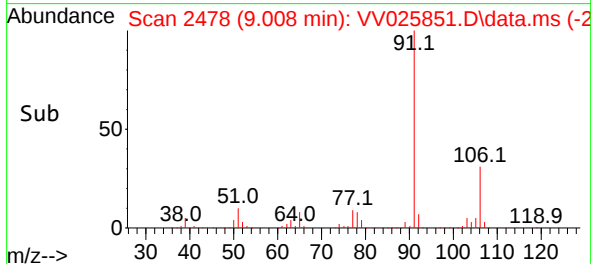
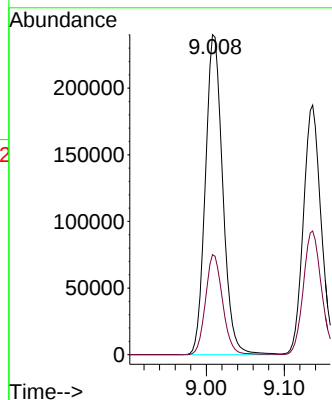
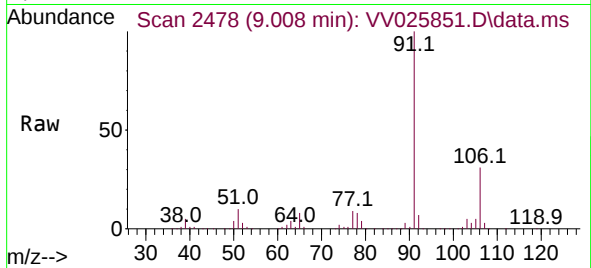




#52  
Ethylbenzene  
Concen: 4.963 ug/L  
RT: 9.008 min Scan# 2479  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

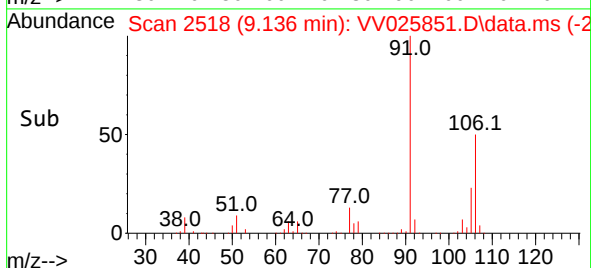
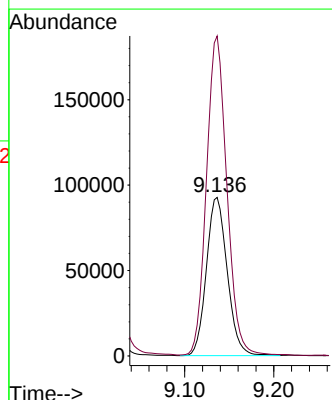
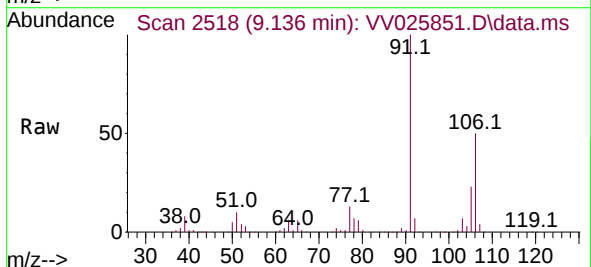
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

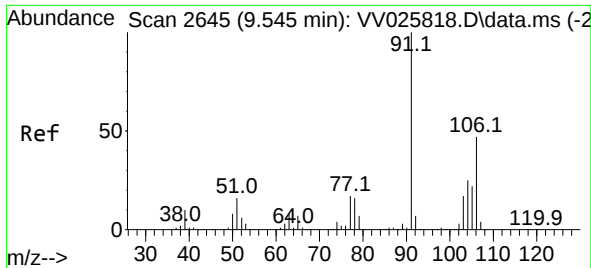
Tgt Ion: 91 Resp: 372120  
Ion Ratio Lower Upper  
91 100  
106 31.2 22.3 41.3



#53  
m,p-Xylene  
Concen: 5.111 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Tgt Ion: 106 Resp: 150591  
Ion Ratio Lower Upper  
106 100  
91 201.7 136.4 253.4

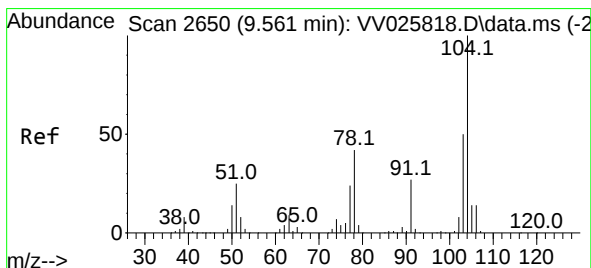
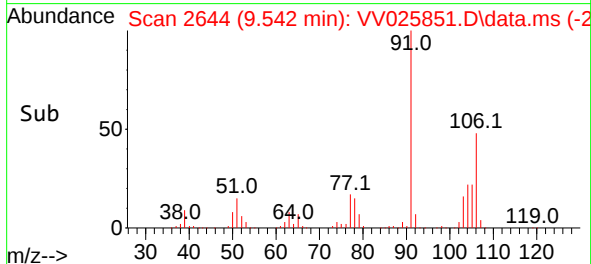
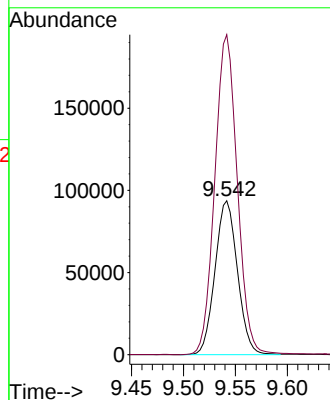
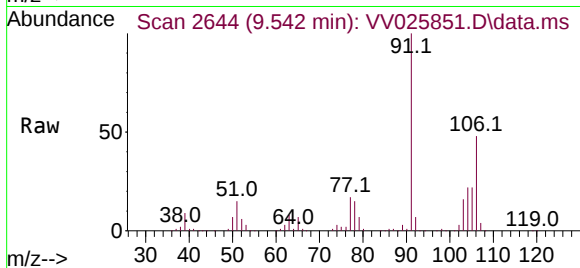




#54  
o-Xylene  
Concen: 5.038 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

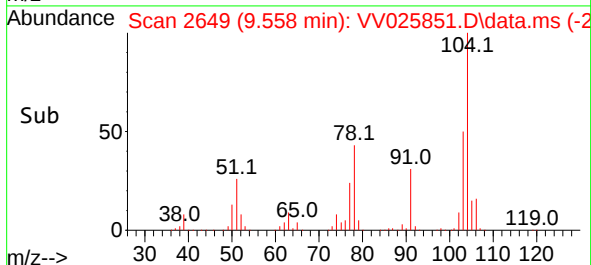
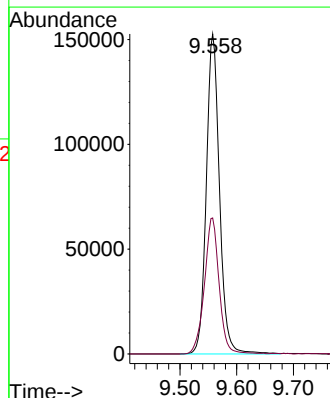
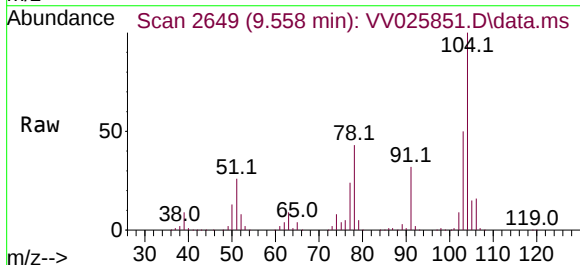
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

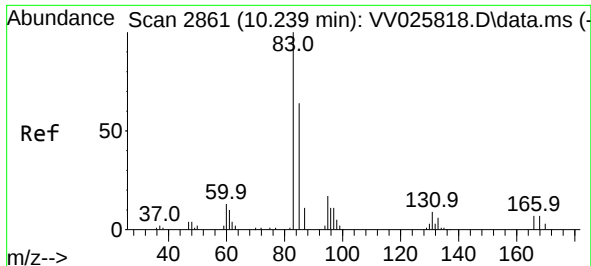
Tgt Ion:106 Resp: 140787  
Ion Ratio Lower Upper  
106 100  
91 208.0 150.4 279.2



#55  
Styrene  
Concen: 5.349 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Tgt Ion:104 Resp: 246878  
Ion Ratio Lower Upper  
104 100  
78 42.5 28.3 52.7

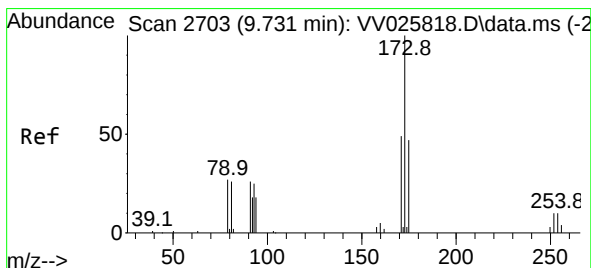
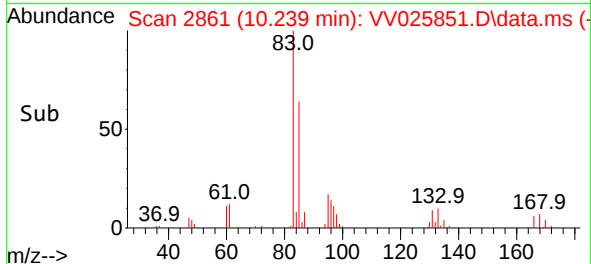
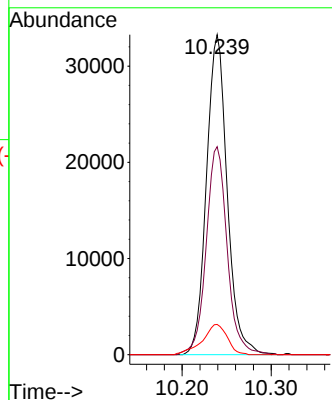
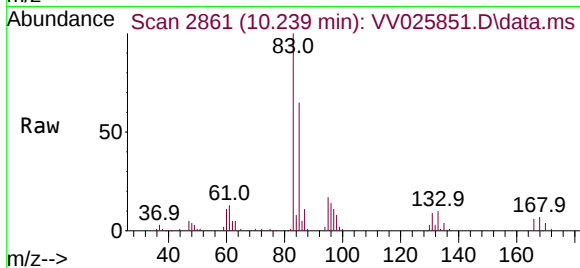




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.774 ug/L  
RT: 10.239 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

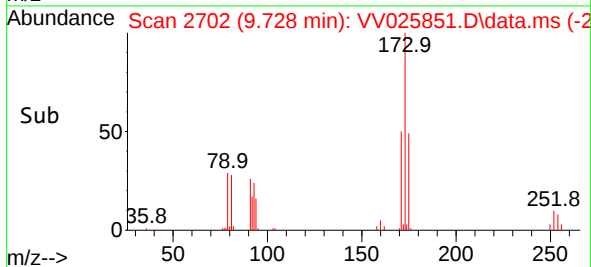
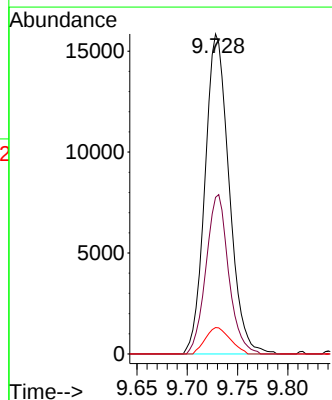
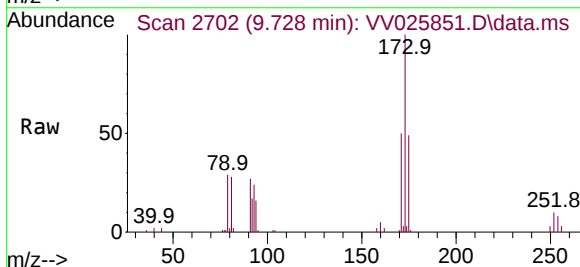
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

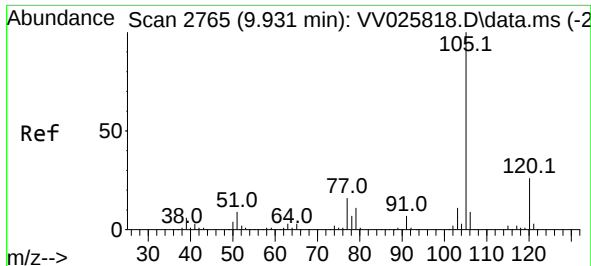
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 53699 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 65.0  | 45.1  | 83.9  |
| 131      | 9.5   | 7.9   | 11.9  |



#59  
Bromoform  
Concen: 5.063 ug/L  
RT: 9.728 min Scan# 2702  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 26459 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 46.7  | 40.8  | 61.2  |
| 254      | 8.4   | 7.0   | 10.6  |

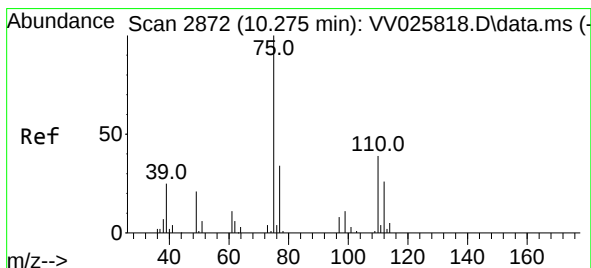
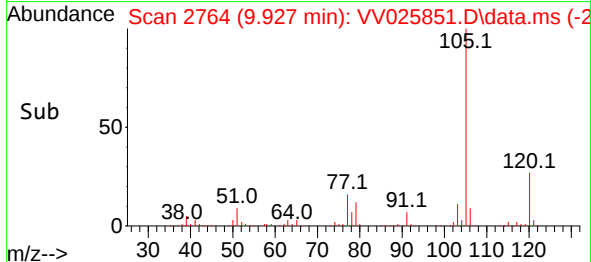
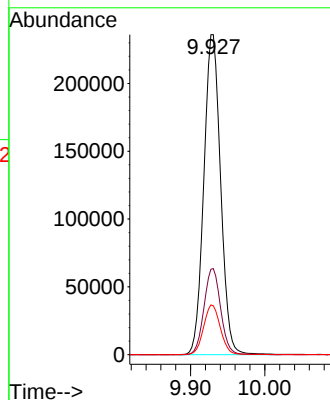
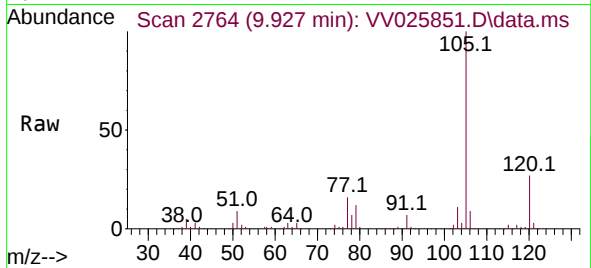




#60  
Isopropylbenzene  
Concen: 4.946 ug/L  
RT: 9.927 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

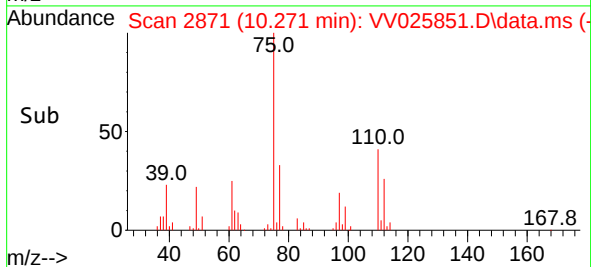
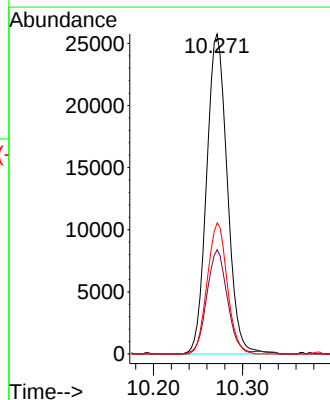
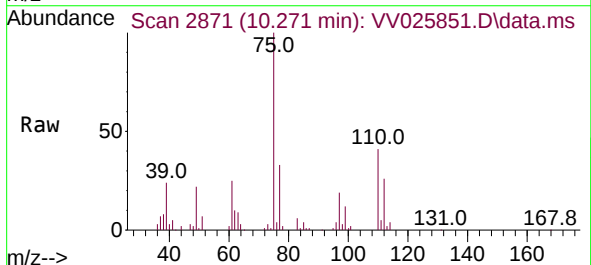
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

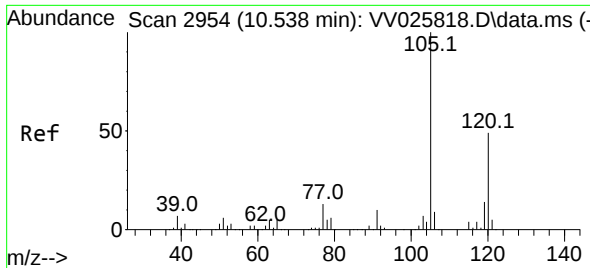
Tgt Ion:105 Resp: 369932  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.2 31.8  
77 15.6 12.2 18.2



#61  
1,2,3-Trichloropropane  
Concen: 4.663 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Tgt Ion: 75 Resp: 41472  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.6 38.4  
110 39.6 34.7 52.1

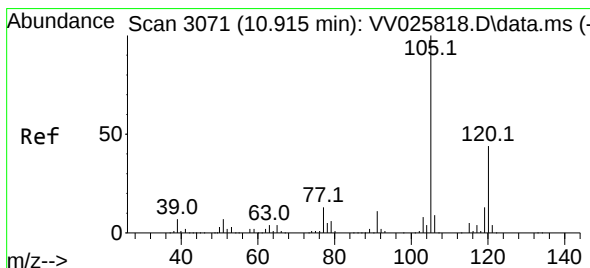
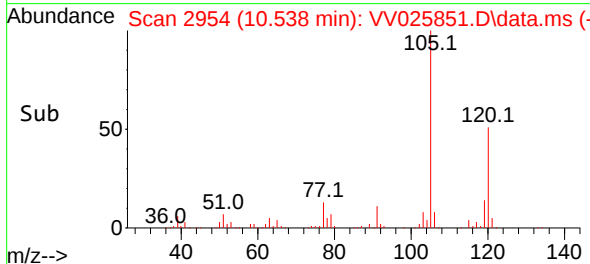
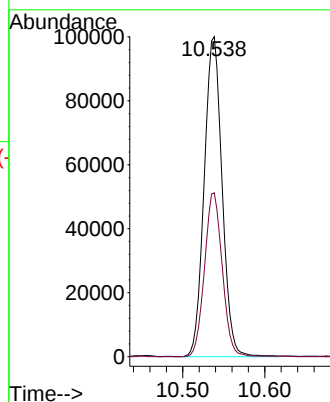
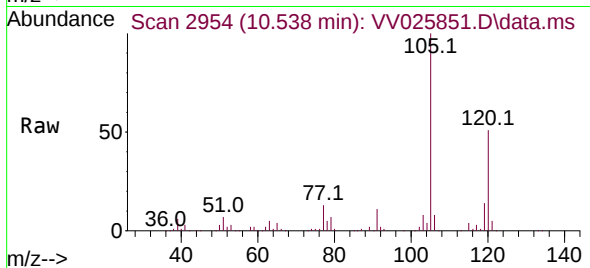




#62  
 1,3,5-Trimethylbenzene  
 Concen: 4.737 ug/L  
 RT: 10.538 min Scan# 2954  
 Delta R.T. 0.003 min  
 Lab File: VV025851.D  
 Acq: 09 May 2022 10:12

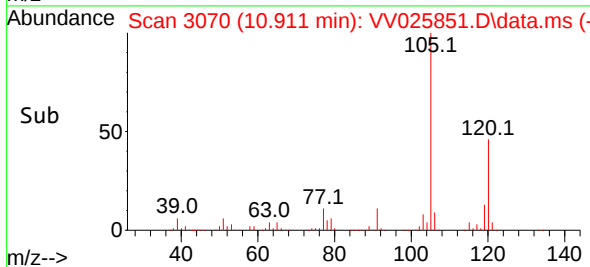
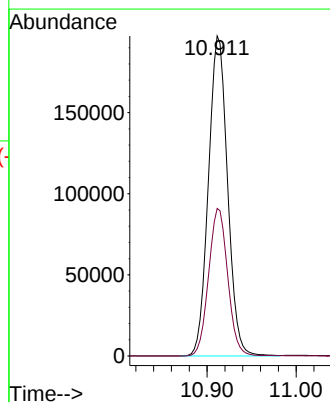
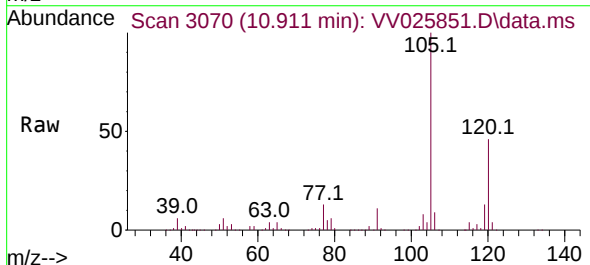
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005287

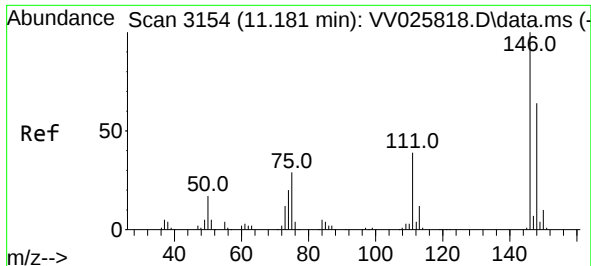
Tgt Ion:105 Resp: 152256  
 Ion Ratio Lower Upper  
 105 100  
 120 50.8 39.6 59.4



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.002 ug/L  
 RT: 10.911 min Scan# 3070  
 Delta R.T. -0.000 min  
 Lab File: VV025851.D  
 Acq: 09 May 2022 10:12

Tgt Ion:105 Resp: 293861  
 Ion Ratio Lower Upper  
 105 100  
 120 46.0 36.6 55.0

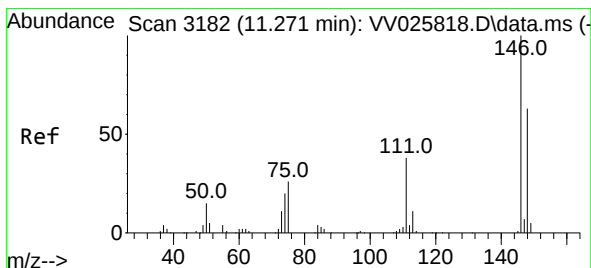
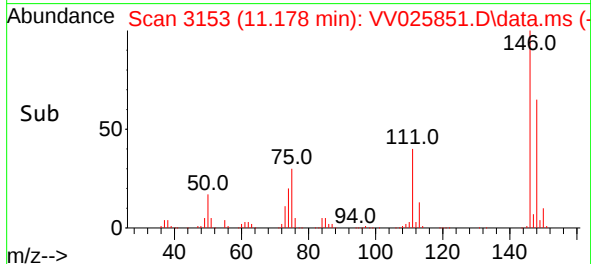
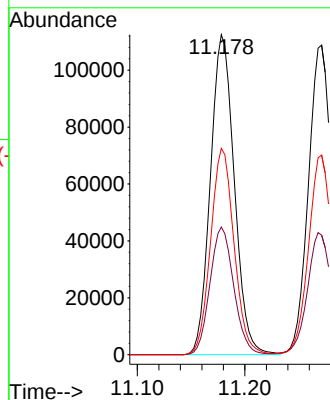
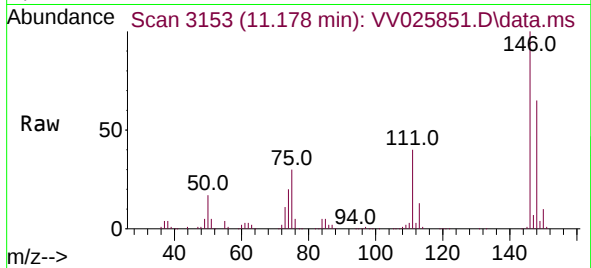




#64  
1,3-Dichlorobenzene  
Concen: 5.046 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

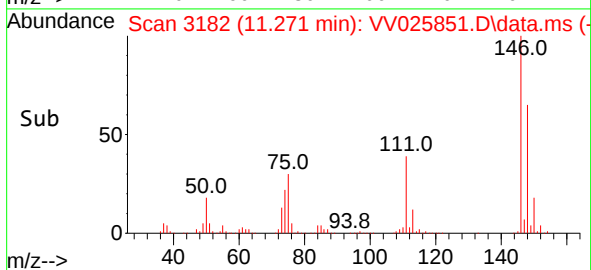
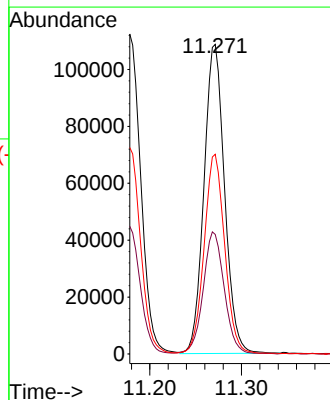
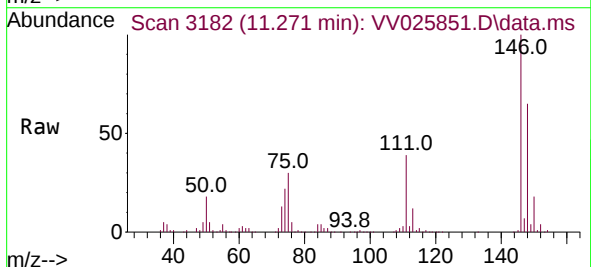
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

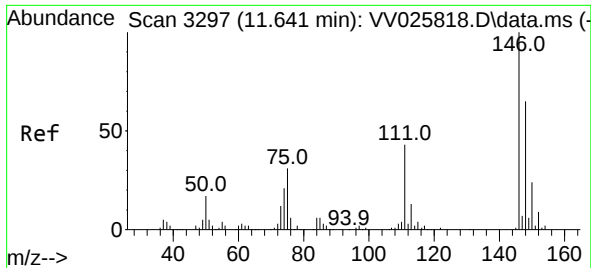
Tgt Ion:146 Resp: 173654  
Ion Ratio Lower Upper  
146 100  
111 39.9 27.4 50.8  
148 64.5 44.7 82.9



#65  
1,4-Dichlorobenzene  
Concen: 4.824 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Tgt Ion:146 Resp: 169524  
Ion Ratio Lower Upper  
146 100  
111 38.6 26.7 49.7  
148 64.5 42.8 79.6

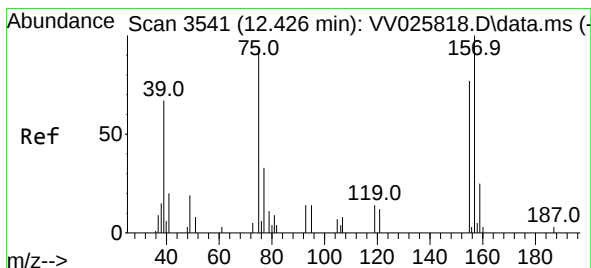
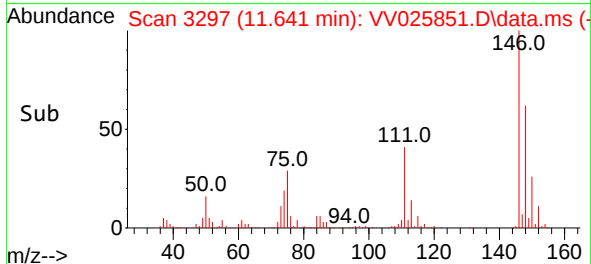
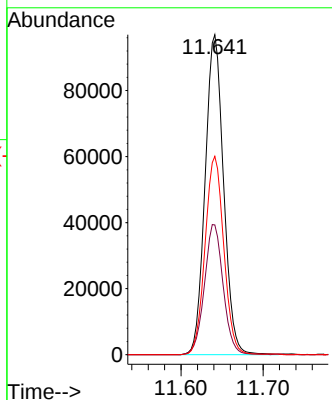
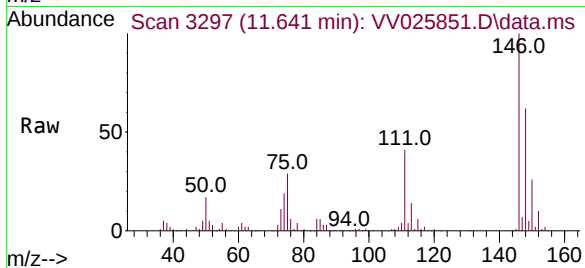




#67  
 1,2-Dichlorobenzene  
 Concen: 4.942 ug/L  
 RT: 11.641 min Scan# 3297  
 Delta R.T. -0.000 min  
 Lab File: VV025851.D  
 Acq: 09 May 2022 10:12

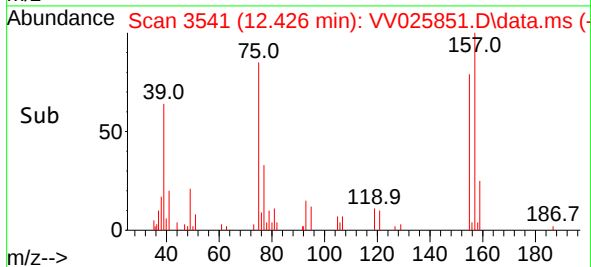
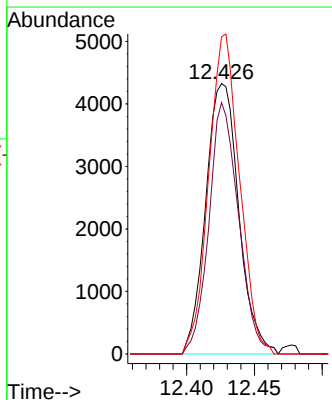
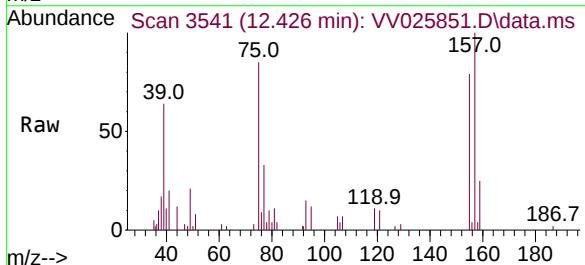
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005287

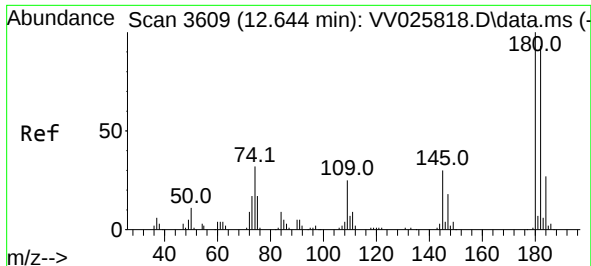
Tgt Ion:146 Resp: 151866  
 Ion Ratio Lower Upper  
 146 100  
 111 40.6 33.6 50.4  
 148 62.0 50.0 75.0



#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 4.420 ug/L  
 RT: 12.426 min Scan# 3541  
 Delta R.T. -0.000 min  
 Lab File: VV025851.D  
 Acq: 09 May 2022 10:12

Tgt Ion: 75 Resp: 7334  
 Ion Ratio Lower Upper  
 75 100  
 155 92.9 65.8 98.8  
 157 117.3 86.6 130.0





#69

1,3,5-Trichlorobenzene

Concen: 4.856 ug/L

RT: 12.641 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005287

Tgt Ion:180 Resp: 125441

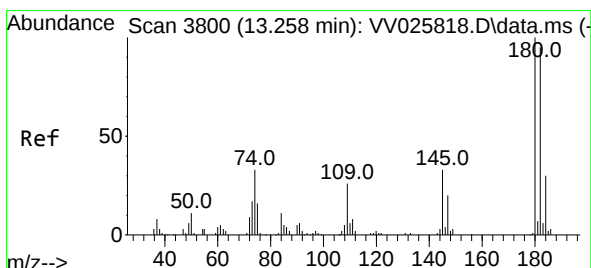
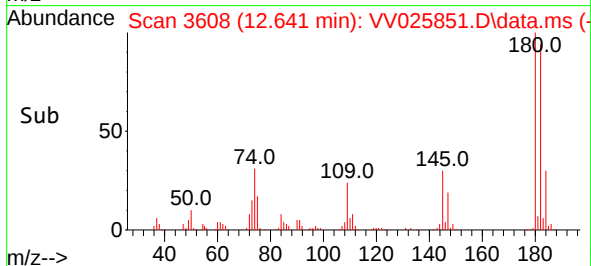
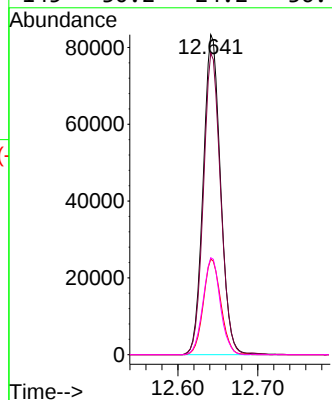
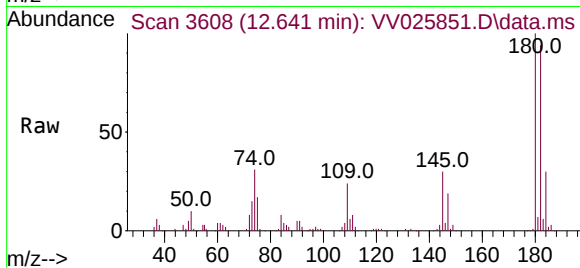
Ion Ratio Lower Upper

180 100

182 93.6 75.3 112.9

184 30.2 23.4 35.2

145 30.2 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 4.600 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV025851.D

Acq: 09 May 2022 10:12

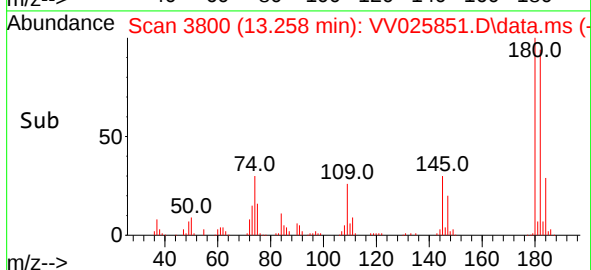
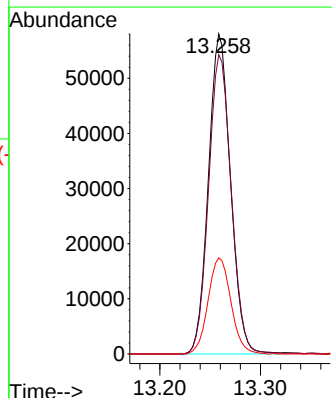
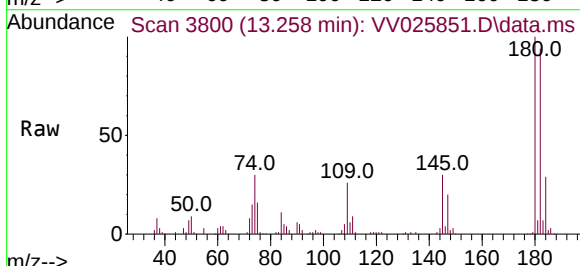
Tgt Ion:180 Resp: 88722

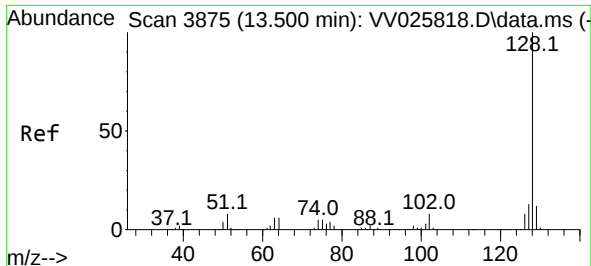
Ion Ratio Lower Upper

180 100

182 96.0 76.6 114.8

145 31.0 24.6 36.8

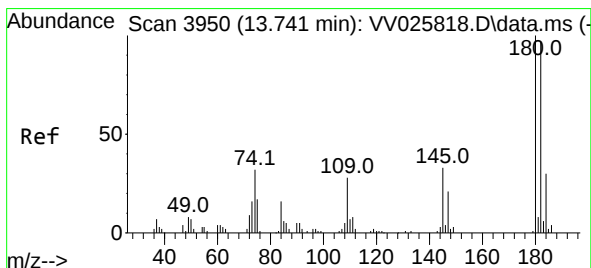
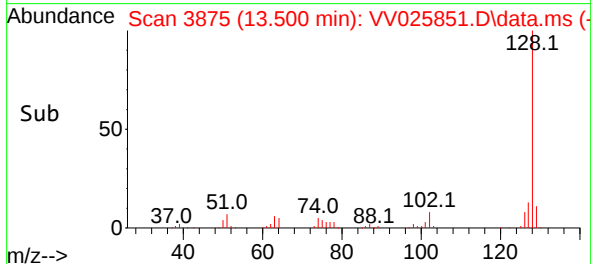
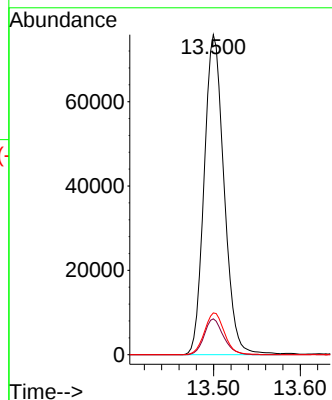
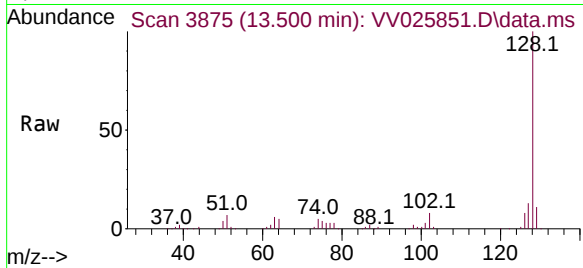




#71  
Naphthalene  
Concen: 4.422 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. -0.000 min  
Lab File: VV025818.D  
Acq: 09 May 2022 10:12

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005287

Tgt Ion:128 Resp: 121087  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.8 13.2  
127 13.1 10.4 15.6



#72  
1,2,3-Trichlorobenzene  
Concen: 4.901 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. -0.000 min  
Lab File: VV025851.D  
Acq: 09 May 2022 10:12

Tgt Ion:180 Resp: 77019  
Ion Ratio Lower Upper  
180 100  
182 93.9 77.7 116.5  
145 32.3 27.4 41.2

