

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW080122\  
 Data File : VW027136.D  
 Acq On : 01 Aug 2022 19:17  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050322

Quant Time: Aug 02 00:21:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 02 00:15:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.609   | 114   | 639884   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850   | 117   | 615138   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246  | 152   | 321131   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 198431   | 47.849   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 95.700%  |
| 7) Chloroethane-d5            | 1.561   | 69    | 157498   | 50.752   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 101.500% |
| 11) 1,1-Dichloroethene-d2     | 2.104   | 63    | 375379   | 47.535   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.080%  |
| 21) 2-Butanone-d5             | 3.873   | 46    | 273966   | 100.343  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 100.340% |
| 24) Chloroform-d              | 4.339   | 84    | 408729   | 48.760   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.520%  |
| 26) 1,2-Dichloroethane-d4     | 5.024   | 65    | 233233   | 49.040   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.080%  |
| 32) Benzene-d6                | 5.043   | 84    | 828257   | 50.884   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.760% |
| 36) 1,2-Dichloropropane-d6    | 6.063   | 67    | 256444   | 50.929   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 101.860% |
| 41) Toluene-d8                | 7.310   | 98    | 763251   | 52.012   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.020% |
| 43) trans-1,3-Dichloroprop... | 7.615   | 79    | 113260   | 51.250   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 102.500% |
| 47) 2-Hexanone-d5             | 8.085   | 63    | 207346   | 106.661  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 106.660% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.213  | 84    | 370744   | 49.256   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.520%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622  | 152   | 284736   | 50.452   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.900% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 295602   | 48.279   | ug/L   | 100      |
| 3) Chloromethane              | 1.240   | 50    | 274880   | 47.345   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.307   | 62    | 295228   | 48.851   | ug/L   | 100      |
| 6) Bromomethane               | 1.516   | 94    | 149921   | 47.836   | ug/L   | 99       |
| 8) Chloroethane               | 1.577   | 64    | 176050   | 54.370   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 376491   | 47.283   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111   | 101   | 219576   | 48.084   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 209982   | 47.324   | ug/L   | 96       |
| 13) Acetone                   | 2.162   | 43    | 209370   | 90.813   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.288   | 76    | 643056   | 48.663   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.423   | 43    | 240143   | 47.878   | ug/L   | 98       |
| 16) Methylene chloride        | 2.500   | 84    | 261066   | 46.417   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.754   | 96    | 232209   | 49.166   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.764   | 73    | 695732   | 51.279   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.182   | 63    | 417437   | 48.267   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.902   | 96    | 249842   | 49.835   | ug/L   | 99       |
| 22) 2-Butanone                | 3.953   | 43    | 312307   | 98.303   | ug/L   | 98       |
| 23) Bromochloromethane        | 4.239   | 128   | 138756   | 48.713   | ug/L   | 99       |
| 25) Chloroform                | 4.365   | 83    | 441925   | 48.532   | ug/L   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050322

Quant Time: Aug 02 00:21:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 02 00:15:03 2022  
 Response via : Initial Calibration

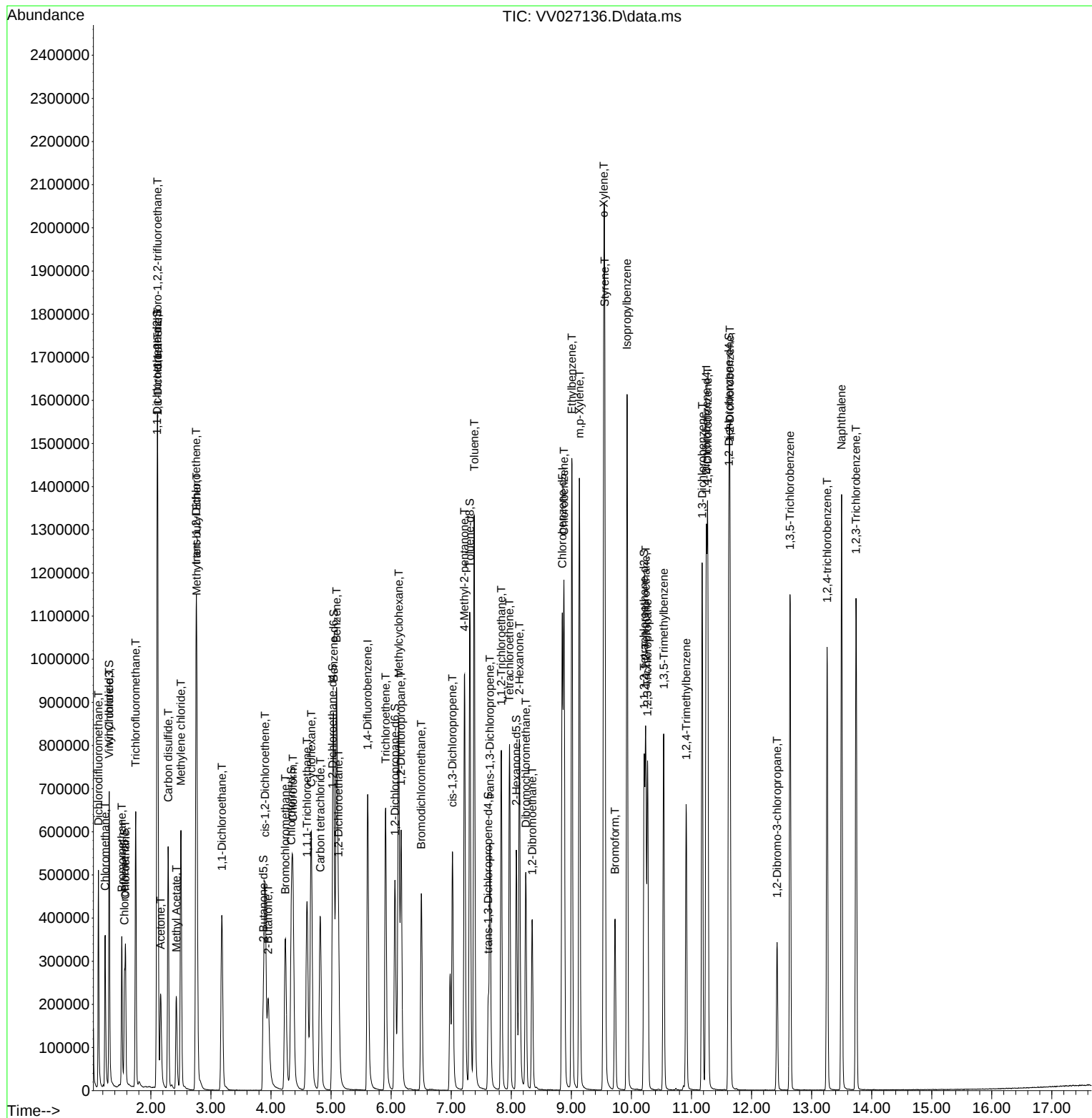
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 308172   | 48.880  | ug/L  | 99       |
| 29) Cyclohexane               | 4.670  | 56   | 325262   | 52.227  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.600  | 97   | 376471   | 48.806  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.821  | 117  | 324290   | 48.892  | ug/L  | 100      |
| 33) Benzene                   | 5.091  | 78   | 971735   | 51.506  | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 238635   | 49.184  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.127  | 83   | 377330   | 52.401  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.165  | 63   | 251736   | 50.825  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.503  | 83   | 321125   | 48.947  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 357430   | 51.441  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.220  | 43   | 611156   | 104.404 | ug/L  | 100      |
| 42) Toluene                   | 7.384  | 91   | 1013818  | 52.089  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.644  | 75   | 345656   | 51.776  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 258122   | 49.576  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.969  | 164  | 188250   | 50.820  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.136  | 43   | 484625   | 106.480 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.242  | 129  | 267575   | 49.507  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 267657   | 49.655  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.876  | 112  | 661215   | 49.091  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.008  | 91   | 1033162  | 51.796  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.136  | 106  | 418217   | 53.449  | ug/L  | 99       |
| 54) o-Xylene                  | 9.541  | 106  | 406873   | 53.121  | ug/L  | 100      |
| 55) Styrene                   | 9.558  | 104  | 730892   | 54.904  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 409088   | 48.455  | ug/L  | 99       |
| 59) Bromoform                 | 9.728  | 173  | 182031   | 49.099  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.927  | 105  | 1043237  | 52.944  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 316685   | 47.499  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 445685   | 52.220  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 359877   | 52.188  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 501713   | 51.664  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 514959   | 50.266  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 514134   | 50.416  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 84753    | 47.514  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 354320   | 51.428  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 307850   | 53.215  | ug/L  | 99       |
| 71) Naphthalene               | 13.500 | 128  | 1053585  | 55.443  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 339264   | 53.629  | ug/L  | 99       |

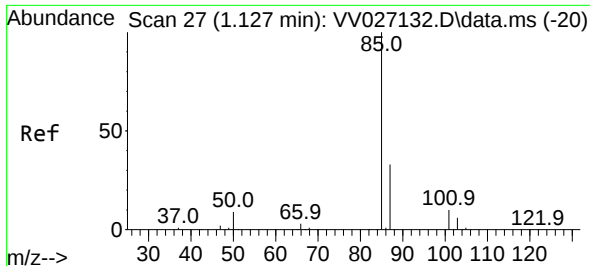
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Sample : VSTDCCC050  
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 ALS Vial : 14 Sample Multiplier: 1

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 VSTD050322

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 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 02 00:15:03 2022  
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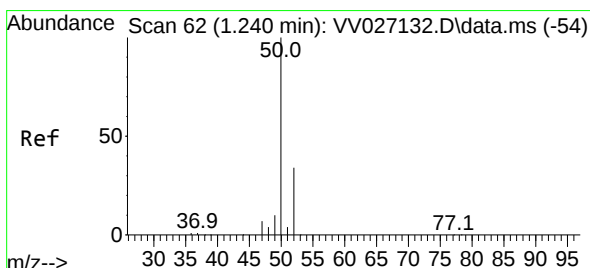
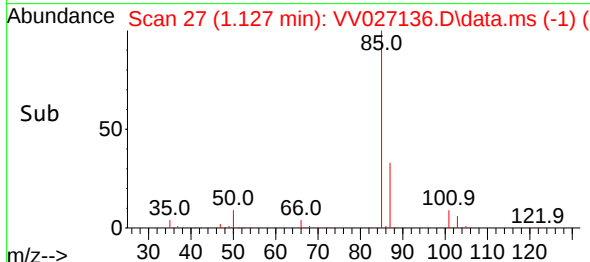
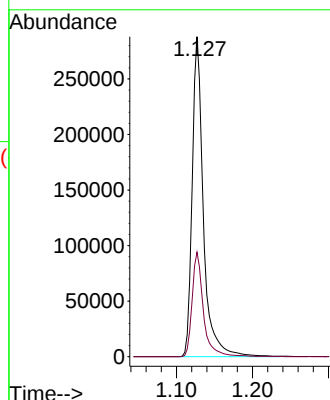
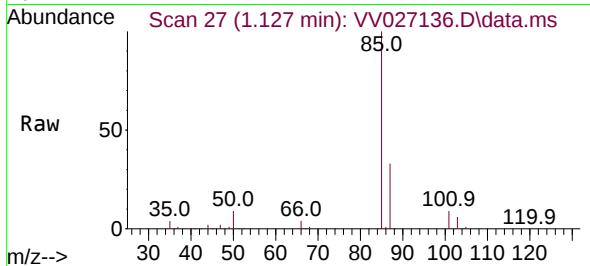




#2  
 Dichlorodifluoromethane  
 Concen: 48.279 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV027136.D  
 Acq: 01 Aug 2022 19:17

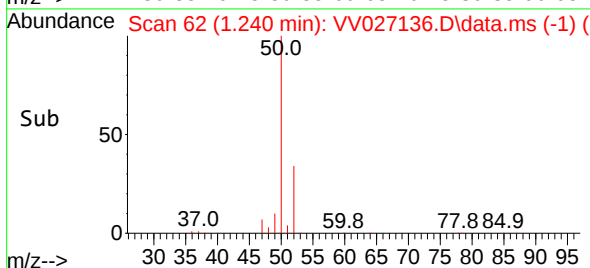
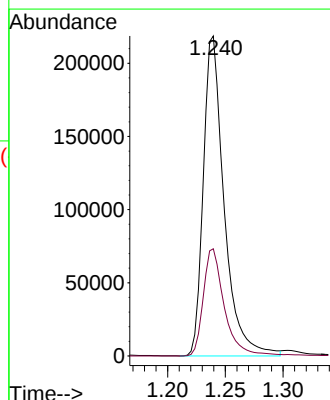
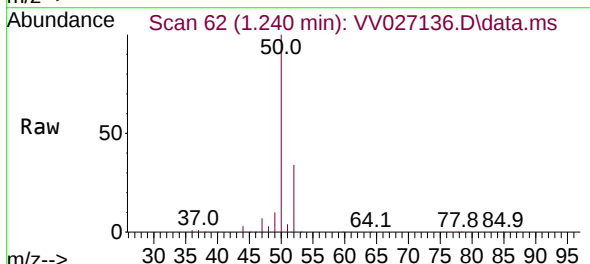
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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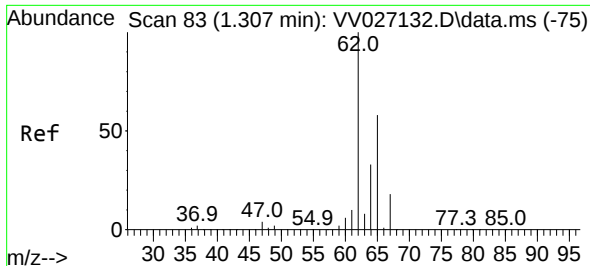
Tgt Ion: 85 Resp: 295602  
 Ion Ratio Lower Upper  
 85 100  
 87 32.9 26.3 39.5



#3  
 Chloromethane  
 Concen: 47.345 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. -0.000 min  
 Lab File: VV027136.D  
 Acq: 01 Aug 2022 19:17

Tgt Ion: 50 Resp: 274880  
 Ion Ratio Lower Upper  
 50 100  
 52 33.5 23.7 43.9

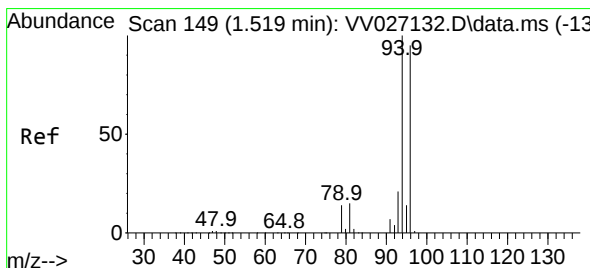
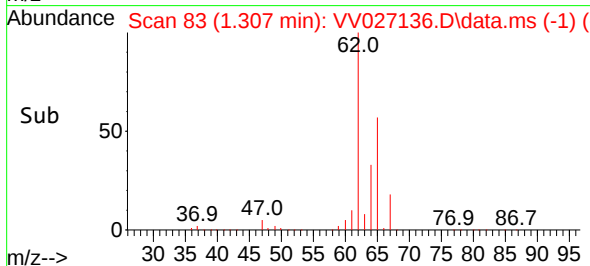
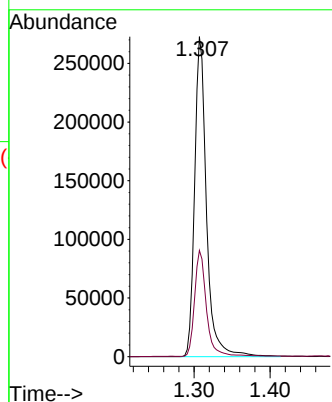
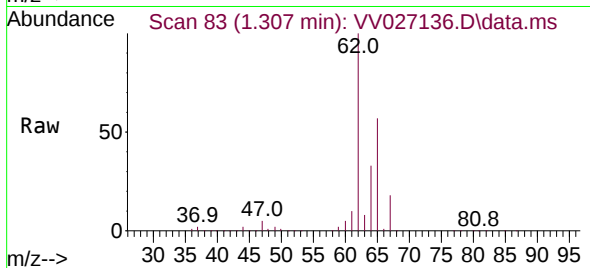




#5  
 Vinyl chloride  
 Concen: 48.851 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VV027136.D  
 Acq: 01 Aug 2022 19:17

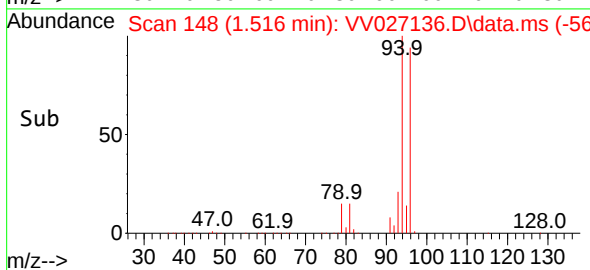
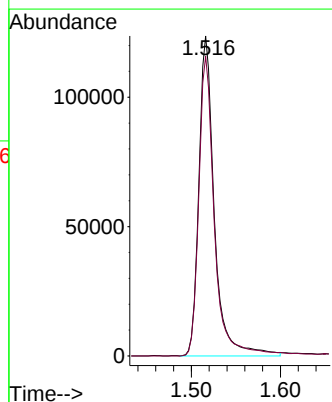
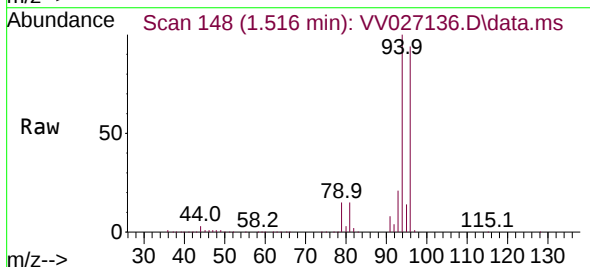
Instrument :  
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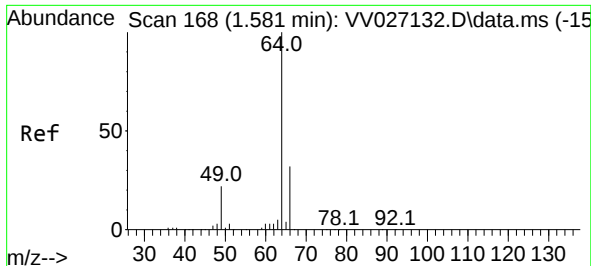
Tgt Ion: 62 Resp: 295228  
 Ion Ratio Lower Upper  
 62 100  
 64 33.2 23.1 42.9



#6  
 Bromomethane  
 Concen: 47.836 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. -0.003 min  
 Lab File: VV027136.D  
 Acq: 01 Aug 2022 19:17

Tgt Ion: 94 Resp: 149921  
 Ion Ratio Lower Upper  
 94 100  
 96 93.7 66.6 123.6

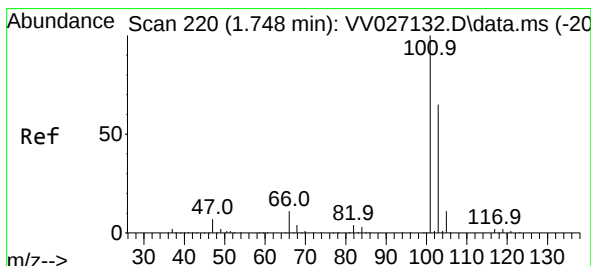
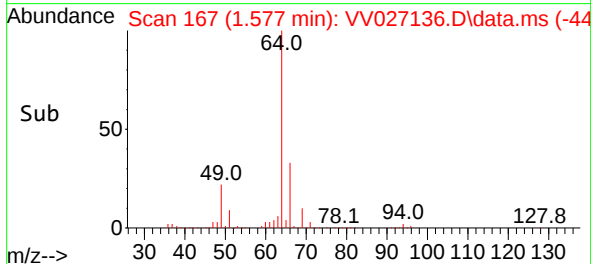
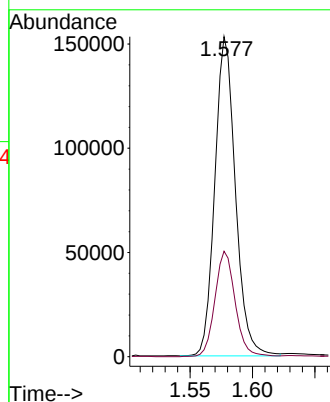
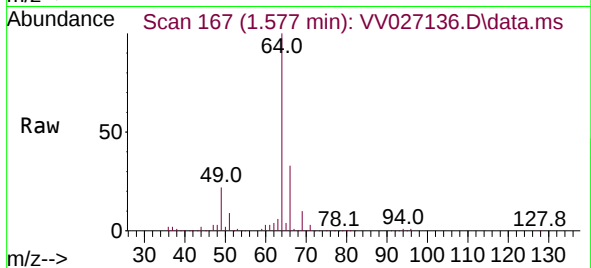




#8  
Chloroethane  
Concen: 54.370 ug/L  
RT: 1.577 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

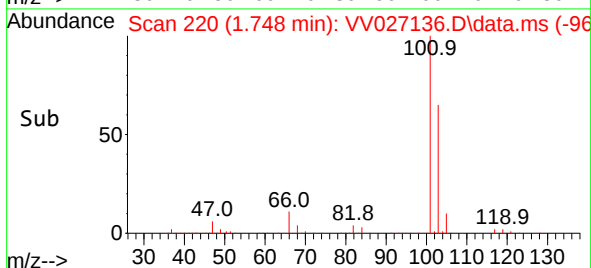
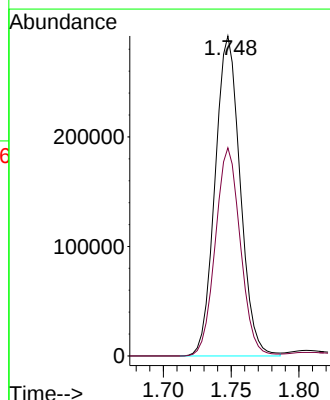
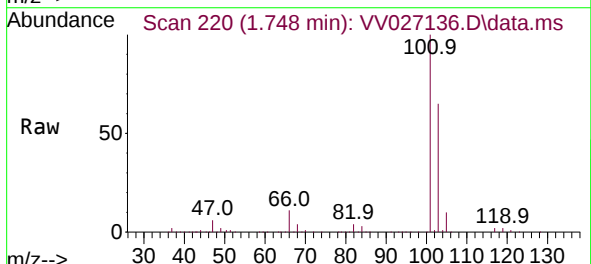
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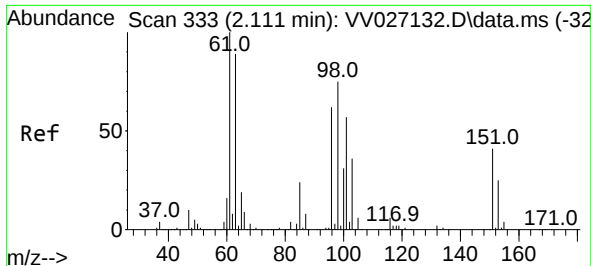
Tgt Ion: 64 Resp: 176050  
Ion Ratio Lower Upper  
64 100  
66 33.0 22.6 42.0



#9  
Trichlorofluoromethane  
Concen: 47.283 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion: 101 Resp: 376491  
Ion Ratio Lower Upper  
101 100  
103 64.7 51.8 77.8

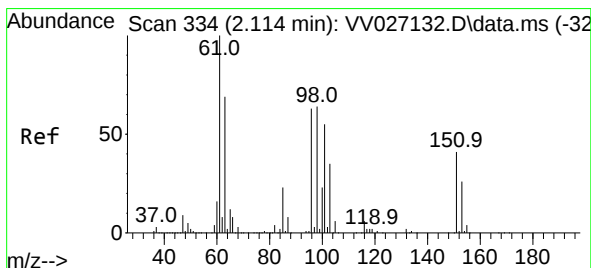
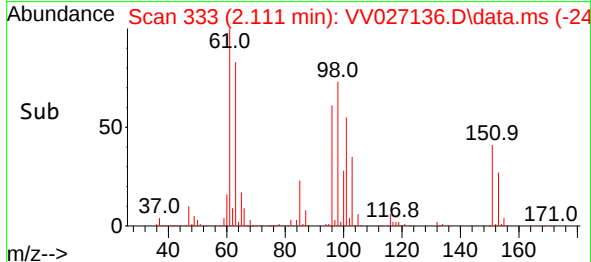
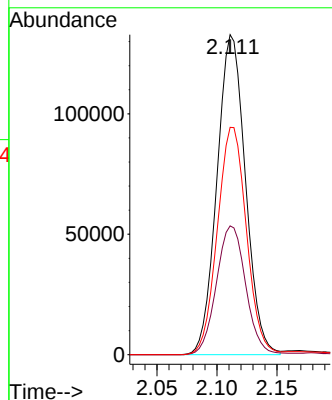
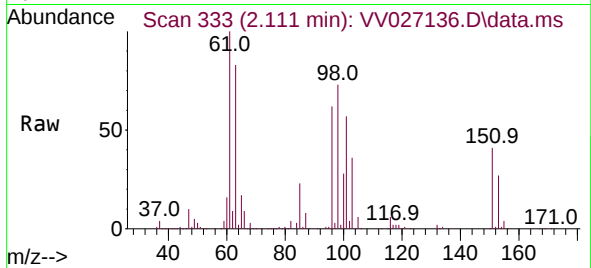




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 48.084 ug/L  
RT: 2.111 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

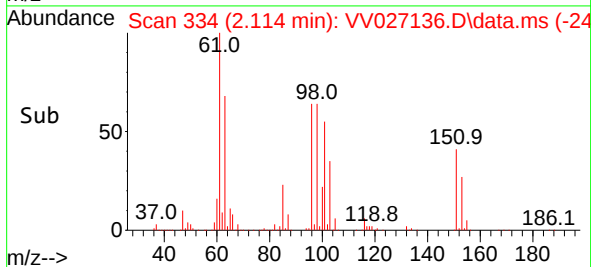
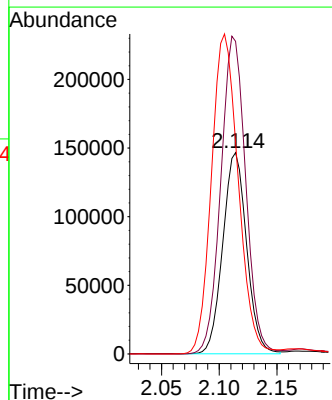
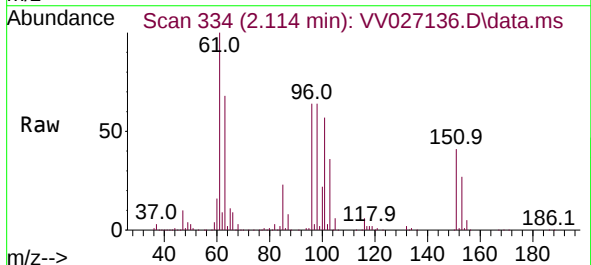
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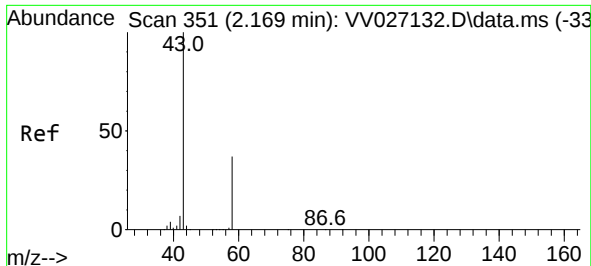
Tgt Ion:101 Resp: 219576  
Ion Ratio Lower Upper  
101 100  
85 41.4 33.9 50.9  
151 72.4 58.4 87.6



#12  
1,1-Dichloroethene  
Concen: 47.324 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion: 96 Resp: 209982  
Ion Ratio Lower Upper  
96 100  
61 155.4 110.7 205.5  
63 105.3 78.4 145.6

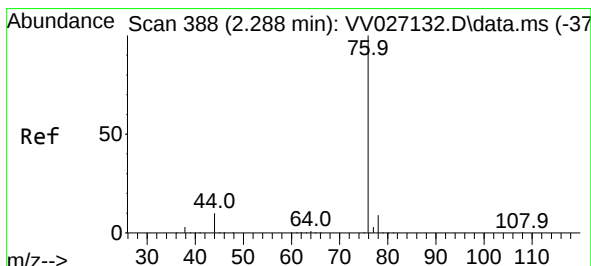
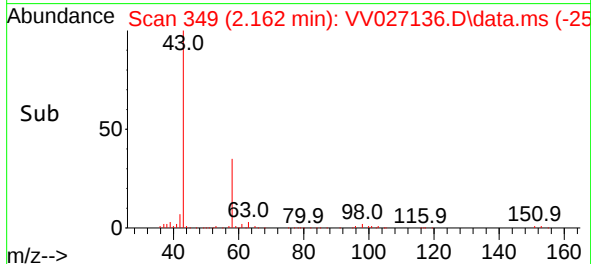
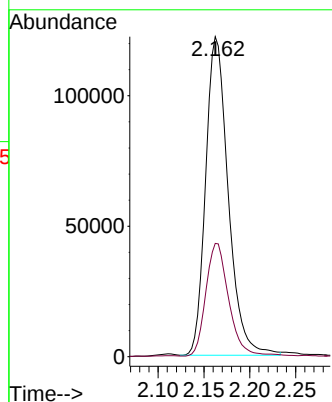
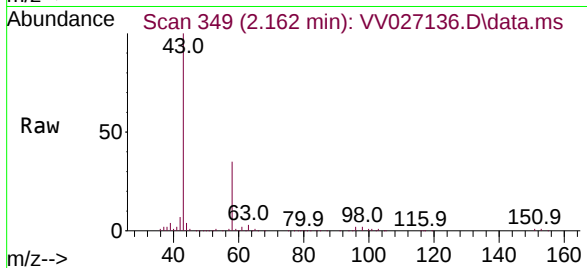




#13  
Acetone  
Concen: 90.813 ug/L  
RT: 2.162 min Scan# 349  
Delta R.T. -0.007 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

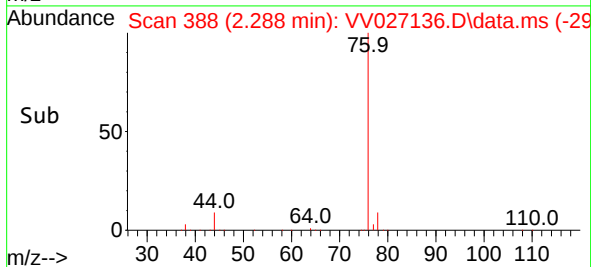
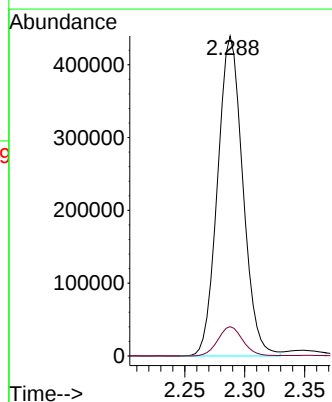
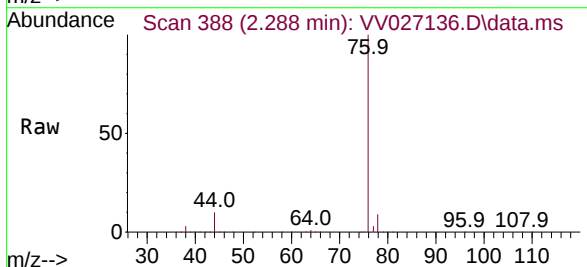
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050322

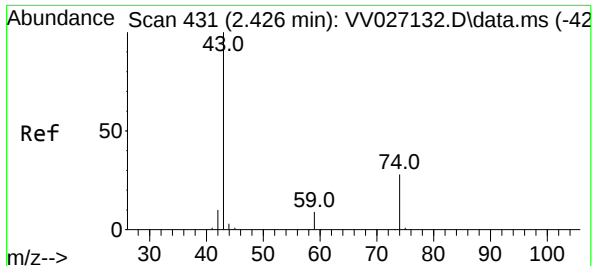
Tgt Ion: 43 Resp: 209370  
Ion Ratio Lower Upper  
43 100  
58 36.2 0.0 73.6



#14  
Carbon disulfide  
Concen: 48.663 ug/L  
RT: 2.288 min Scan# 388  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion: 76 Resp: 643056  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.5 11.3

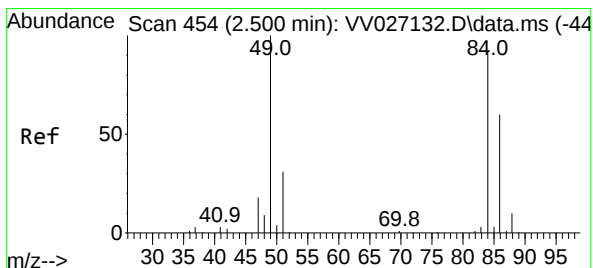
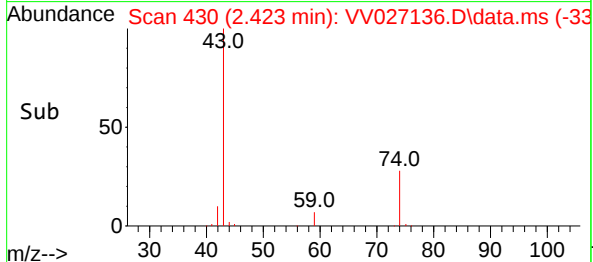
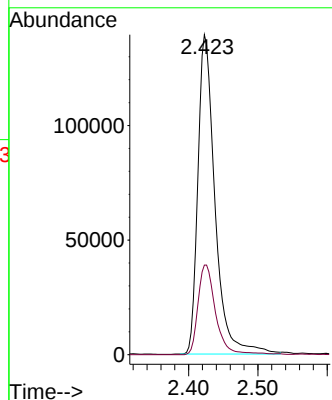
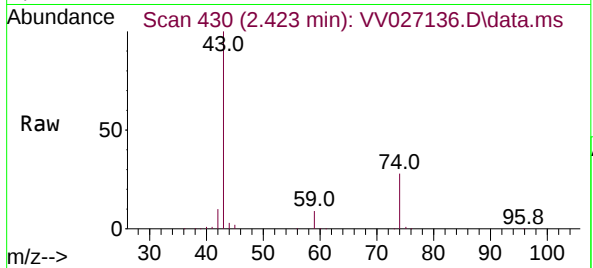




#15  
Methyl Acetate  
Concen: 47.878 ug/L  
RT: 2.423 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

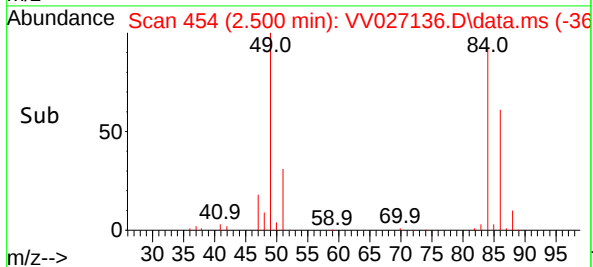
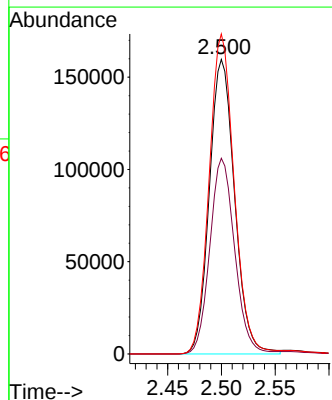
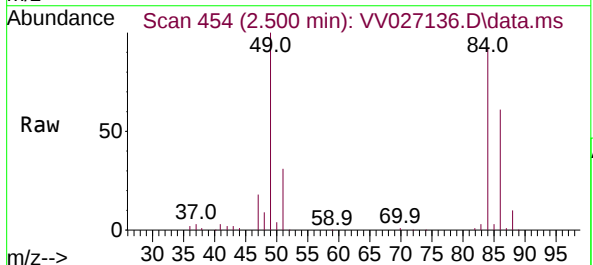
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050322

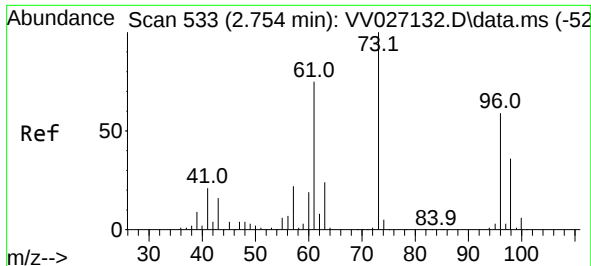
Tgt Ion: 43 Resp: 240143  
Ion Ratio Lower Upper  
43 100  
74 28.9 22.4 33.6



#16  
Methylene chloride  
Concen: 46.417 ug/L  
RT: 2.500 min Scan# 454  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion: 84 Resp: 261066  
Ion Ratio Lower Upper  
84 100  
86 66.4 45.3 84.1  
49 108.6 76.0 141.2

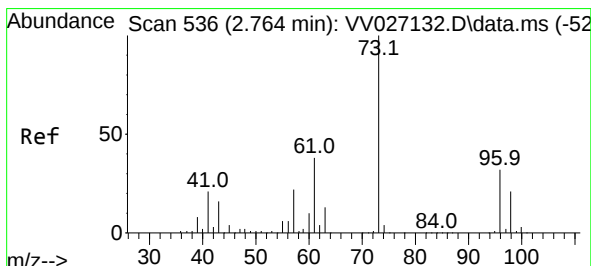
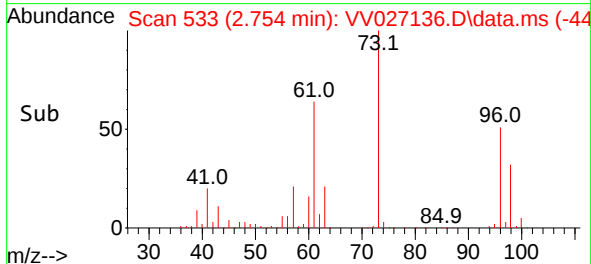
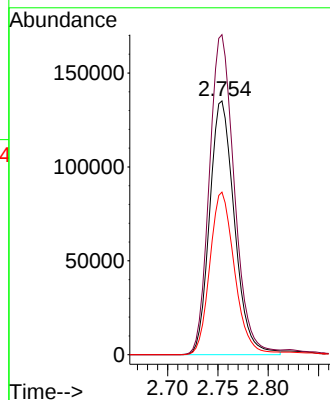
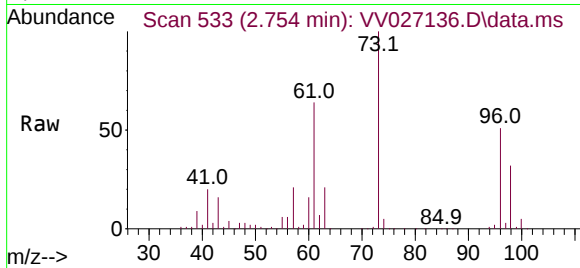




#17  
trans-1,2-Dichloroethene  
Concen: 49.166 ug/L  
RT: 2.754 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

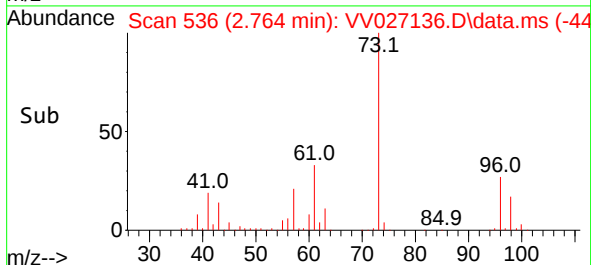
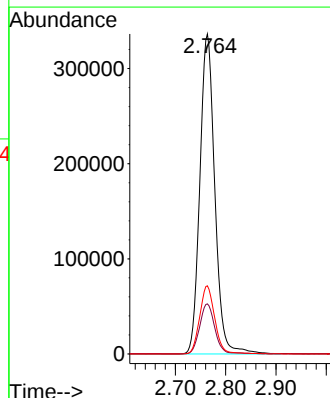
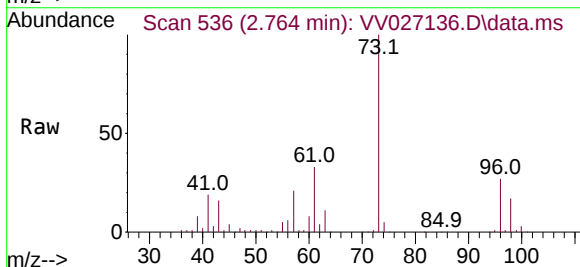
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050322

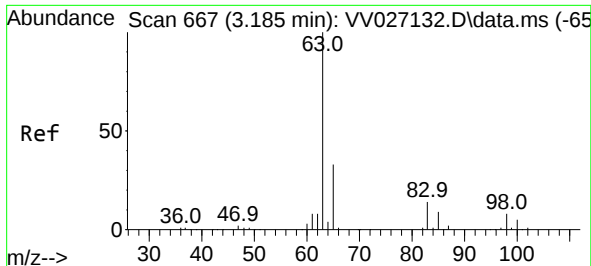
Tgt Ion: 96 Resp: 232209  
Ion Ratio Lower Upper  
96 100  
61 126.1 89.2 165.6  
98 64.1 43.3 80.3



#18  
Methyl tert-butyl Ether  
Concen: 51.279 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion: 73 Resp: 695732  
Ion Ratio Lower Upper  
73 100  
43 15.9 12.6 18.8  
57 21.4 17.2 25.8





#19

1,1-Dichloroethane

Concen: 48.267 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050322

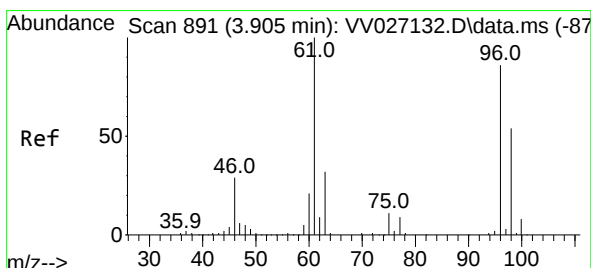
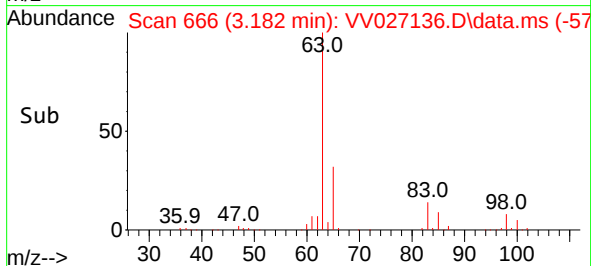
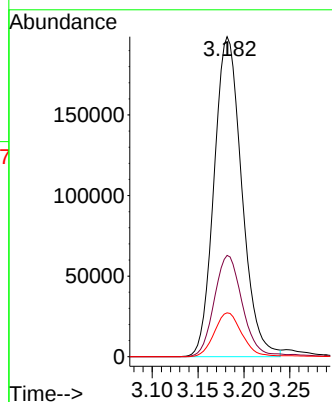
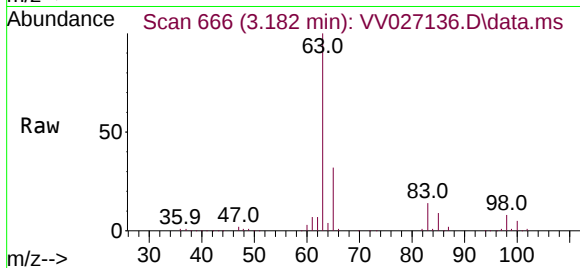
Tgt Ion: 63 Resp: 417437

Ion Ratio Lower Upper

63 100

65 31.7 22.9 42.5

83 13.7 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 49.835 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

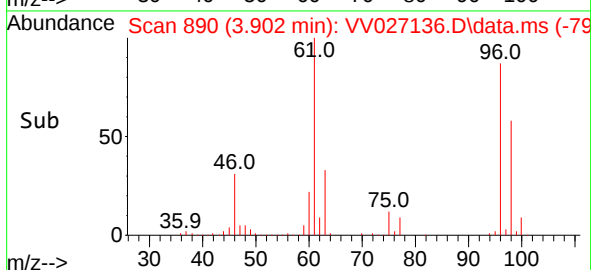
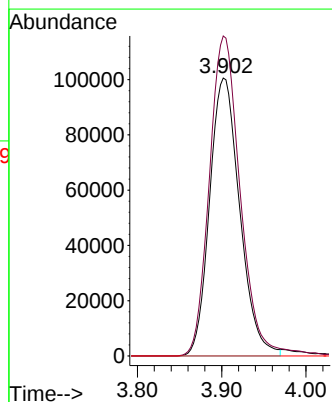
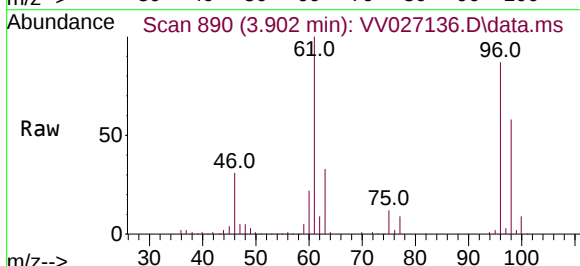
Tgt Ion: 96 Resp: 249842

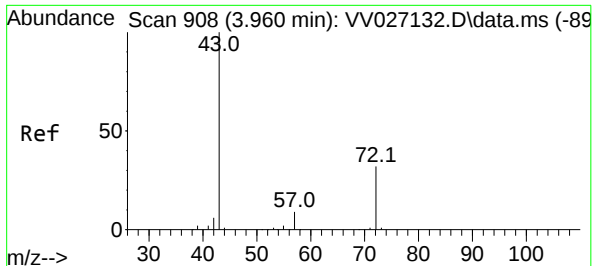
Ion Ratio Lower Upper

96 100

61 115.1 81.7 151.7

68 0.0 0.0 0.0

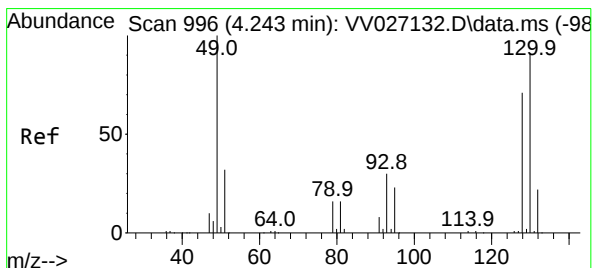
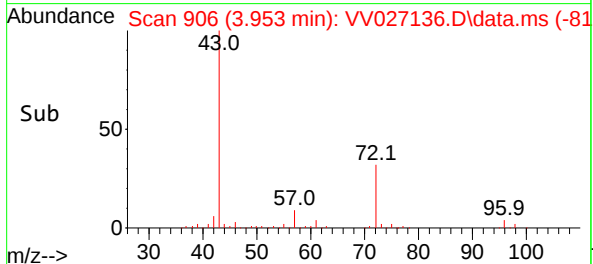
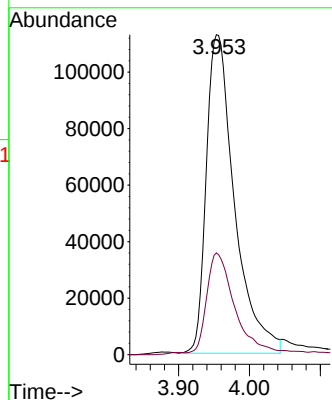
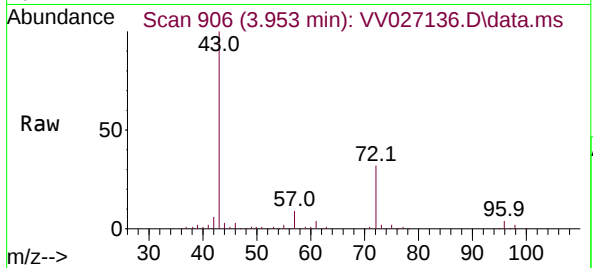




#22  
2-Butanone  
Concen: 98.303 ug/L  
RT: 3.953 min Scan# 906  
Delta R.T. -0.007 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

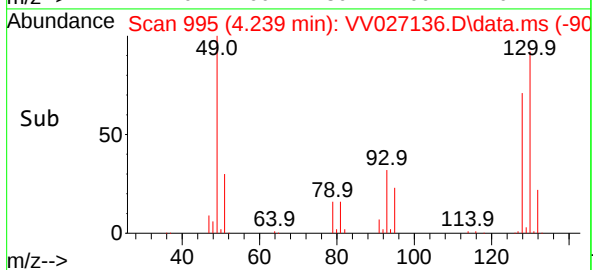
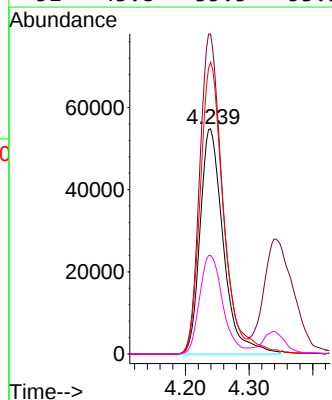
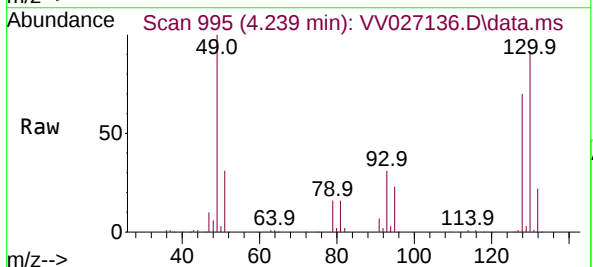
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050322

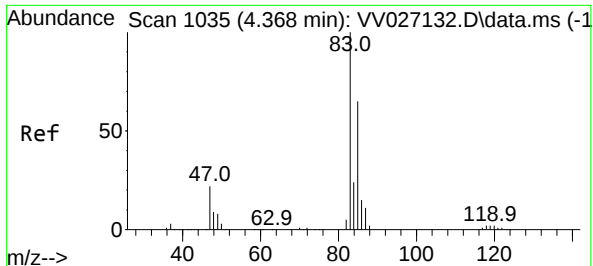
Tgt Ion: 43 Resp: 312307  
Ion Ratio Lower Upper  
43 100  
72 30.5 15.7 47.1



#23  
Bromochloromethane  
Concen: 48.713 ug/L  
RT: 4.239 min Scan# 995  
Delta R.T. -0.003 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion:128 Resp: 138756  
Ion Ratio Lower Upper  
128 100  
49 142.2 98.6 183.2  
130 129.6 89.7 166.5  
51 43.8 35.5 53.3





#25

Chloroform

Concen: 48.532 ug/L

RT: 4.365 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

Instrument :

MSVOA\_V

ClientSampleId :

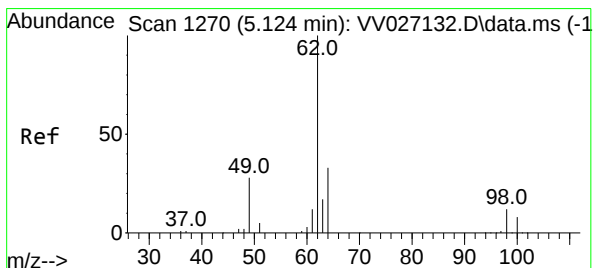
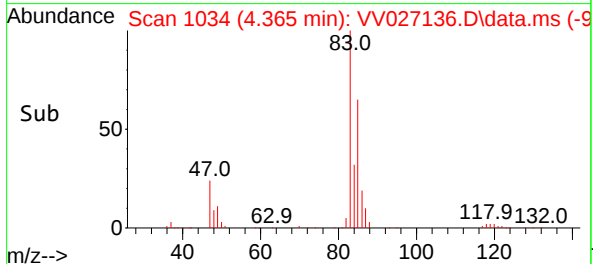
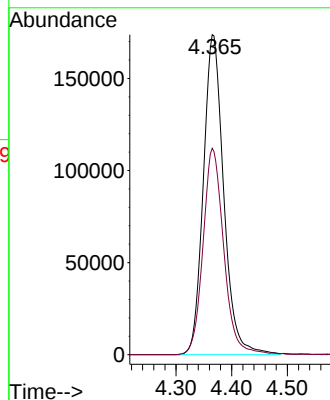
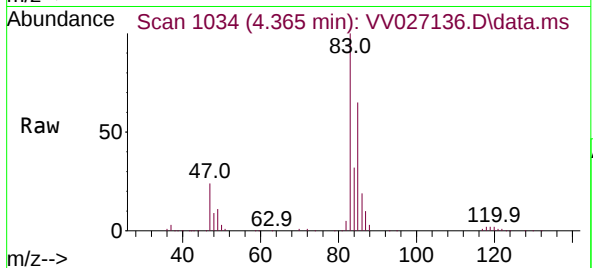
VSTD050322

Tgt Ion: 83 Resp: 441925

Ion Ratio Lower Upper

83 100

85 64.5 45.3 84.1



#27

1,2-Dichloroethane

Concen: 48.880 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VV027136.D

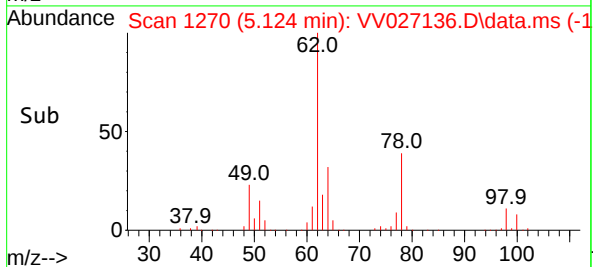
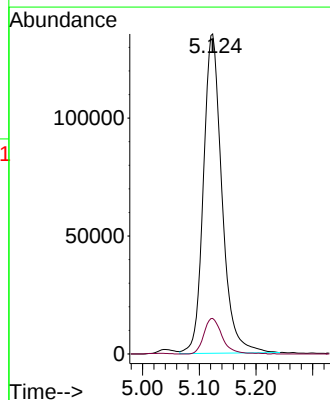
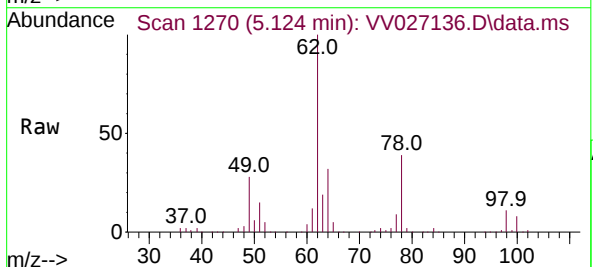
Acq: 01 Aug 2022 19:17

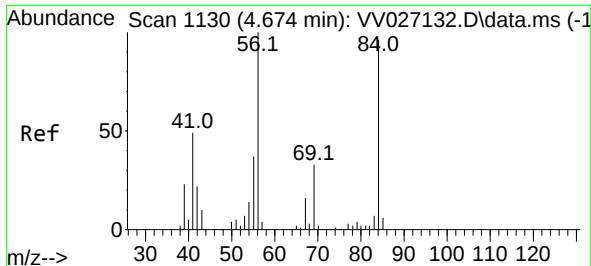
Tgt Ion: 62 Resp: 308172

Ion Ratio Lower Upper

62 100

98 11.1 9.2 13.8





#29

Cyclohexane

Concen: 52.227 ug/L

RT: 4.670 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050322

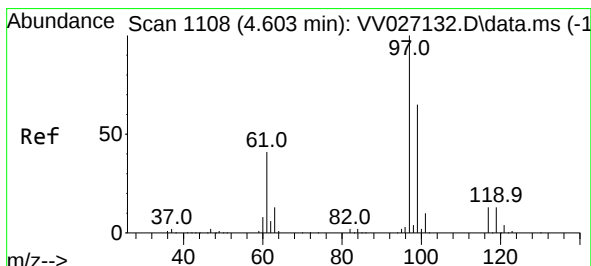
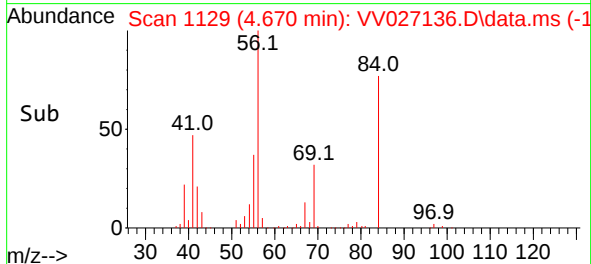
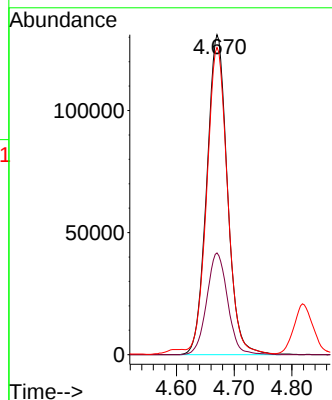
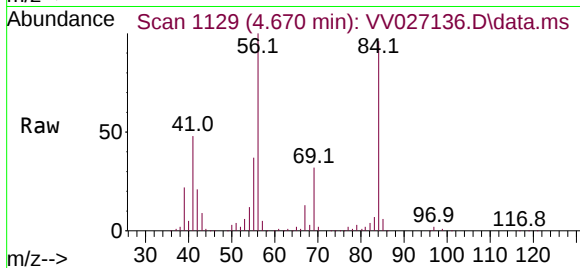
Tgt Ion: 56 Resp: 325262

Ion Ratio Lower Upper

56 100

69 32.2 26.1 39.1

84 96.1 77.3 115.9



#30

1,1,1-Trichloroethane

Concen: 48.806 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

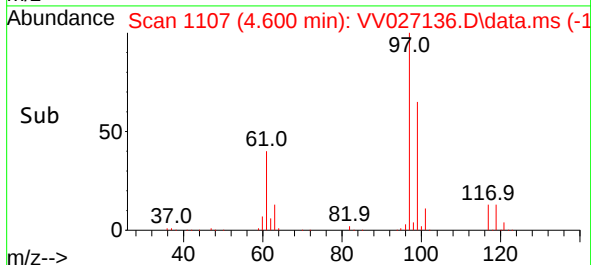
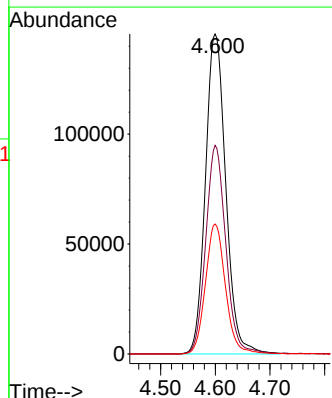
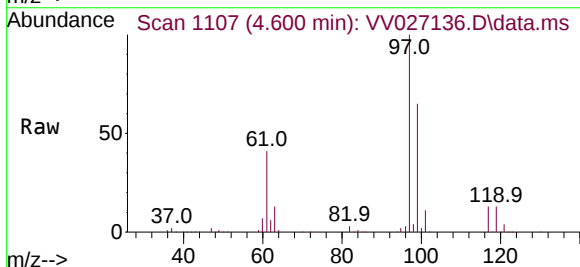
Tgt Ion: 97 Resp: 376471

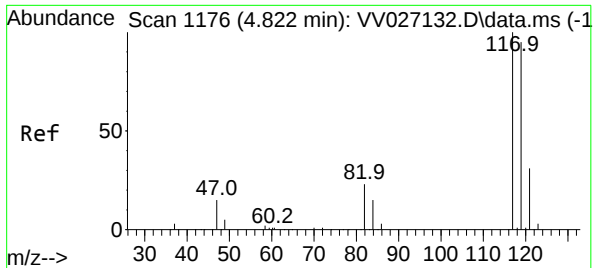
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

61 39.9 32.7 49.1

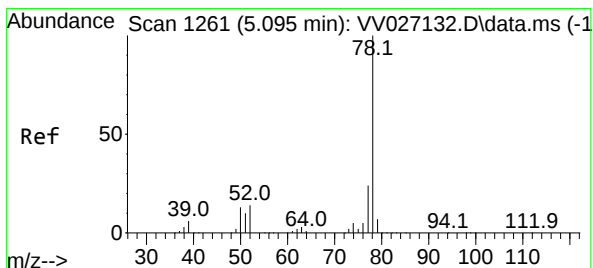
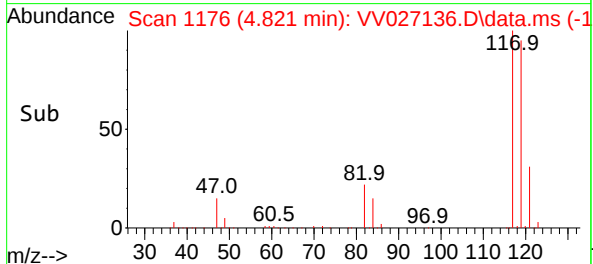
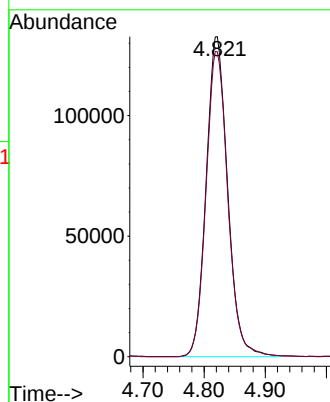
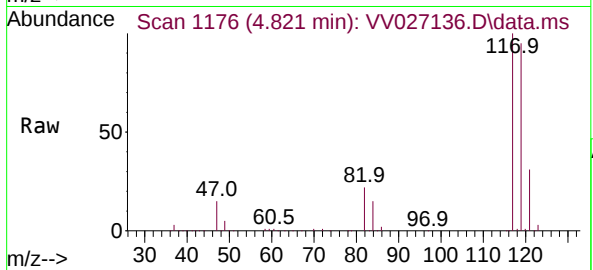




#31  
Carbon tetrachloride  
Concen: 48.892 ug/L  
RT: 4.821 min Scan# 1176  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

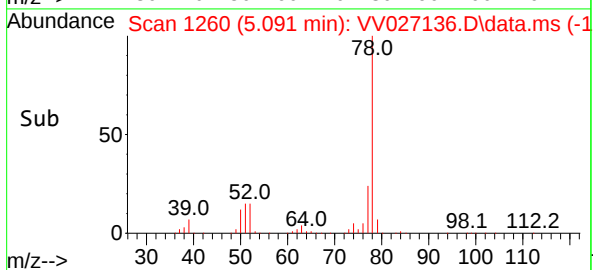
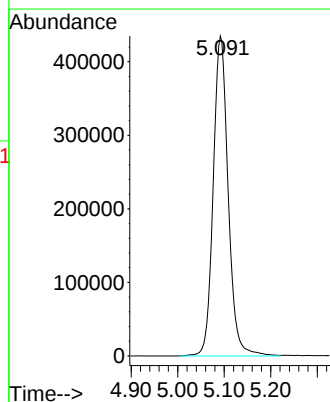
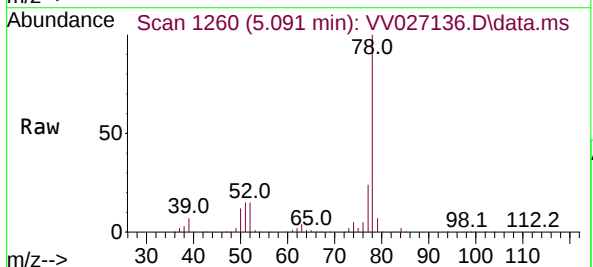
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050322

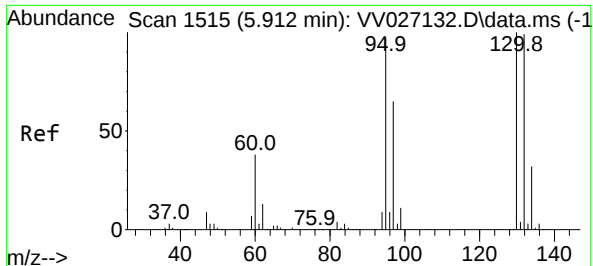
Tgt Ion:117 Resp: 324290  
Ion Ratio Lower Upper  
117 100  
119 96.7 77.1 115.7



#33  
Benzene  
Concen: 51.506 ug/L  
RT: 5.091 min Scan# 1260  
Delta R.T. -0.004 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion: 78 Resp: 971735

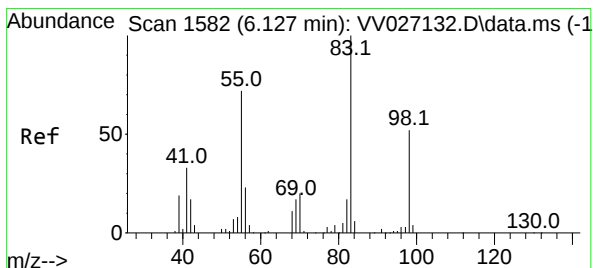
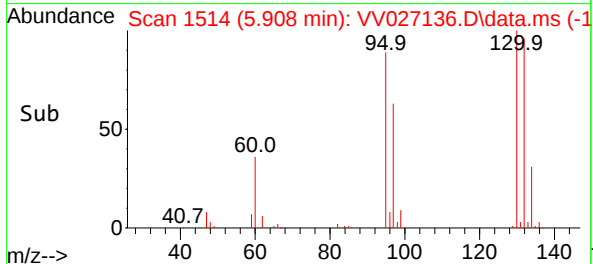
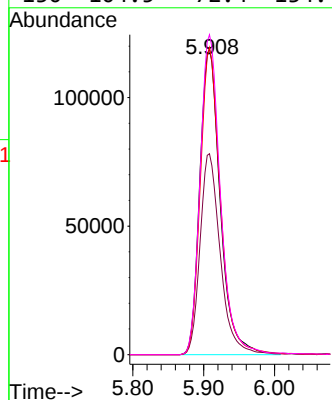
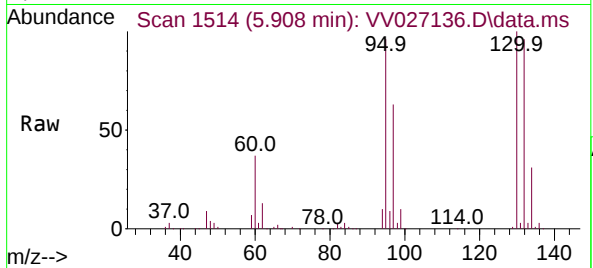




#34  
Trichloroethene  
Concen: 49.184 ug/L  
RT: 5.908 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

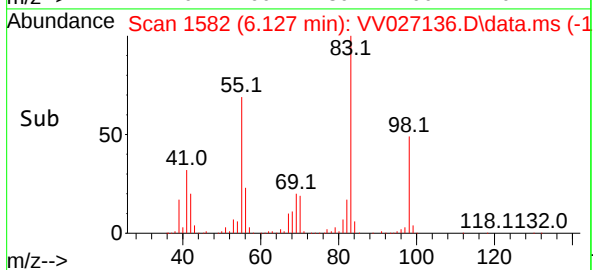
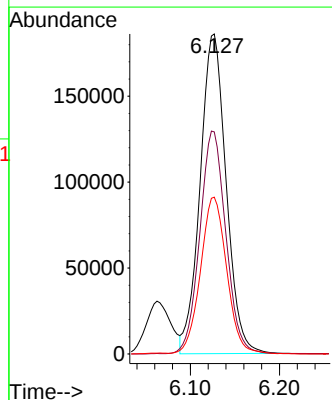
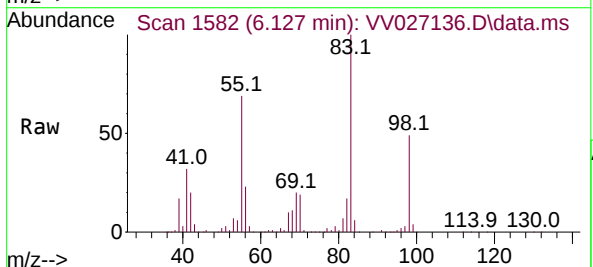
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050322

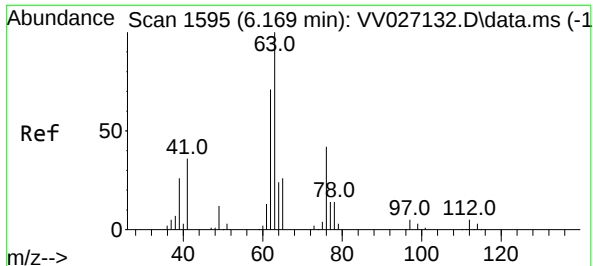
Tgt Ion: 95 Resp: 238635  
Ion Ratio Lower Upper  
95 100  
97 65.6 47.0 87.2  
132 100.4 71.5 132.7  
130 104.5 72.4 134.4



#35  
Methylcyclohexane  
Concen: 52.401 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion: 83 Resp: 377330  
Ion Ratio Lower Upper  
83 100  
55 69.8 56.2 84.4  
98 49.2 39.6 59.4





#37

1,2-Dichloropropane

Concen: 50.825 ug/L

RT: 6.165 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

Instrument :

MSVOA\_V

ClientSampleId :

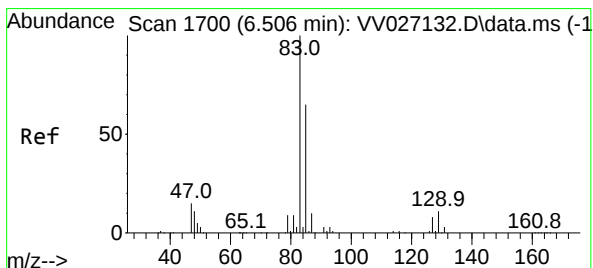
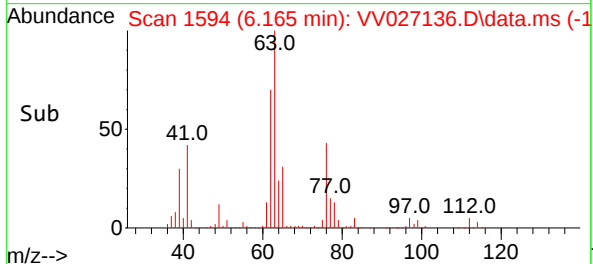
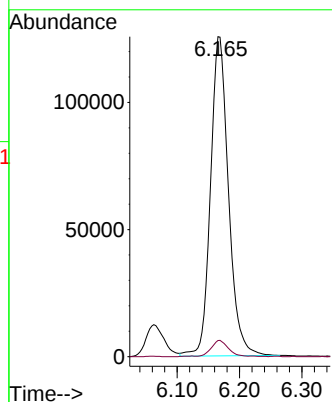
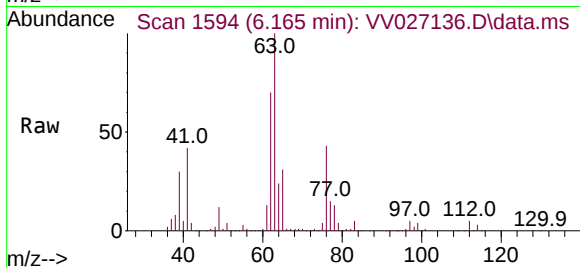
VSTD050322

Tgt Ion: 63 Resp: 251736

Ion Ratio Lower Upper

63 100

112 4.9 4.0 6.0



#38

Bromodichloromethane

Concen: 48.947 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

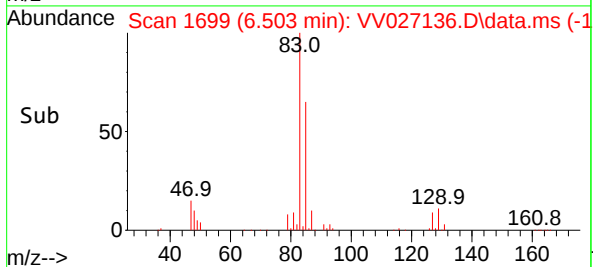
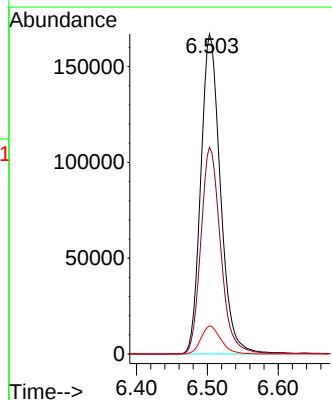
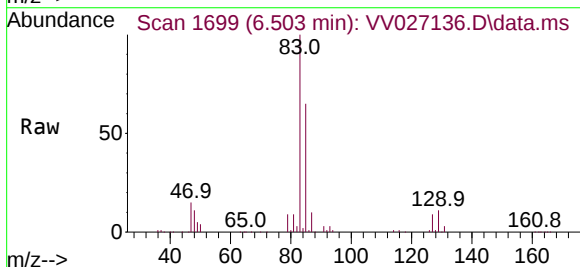
Tgt Ion: 83 Resp: 321125

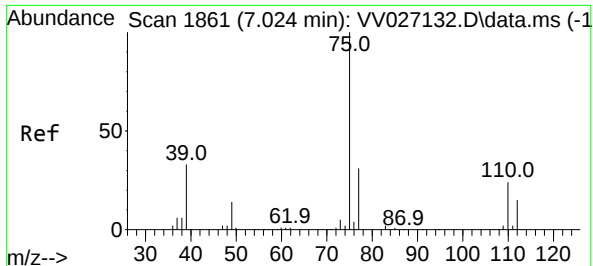
Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.9

127 8.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 51.441 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.003 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

Instrument :

MSVOA\_V

ClientSampleId :

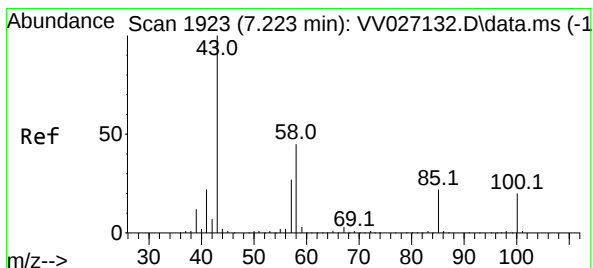
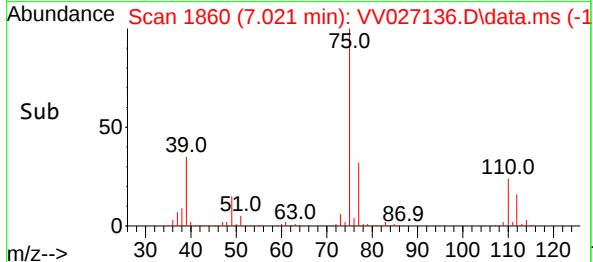
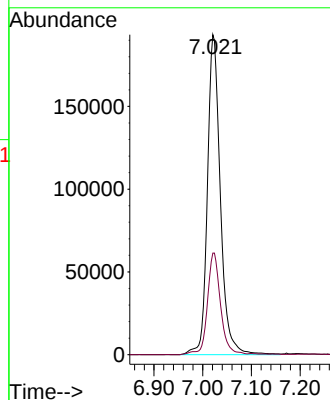
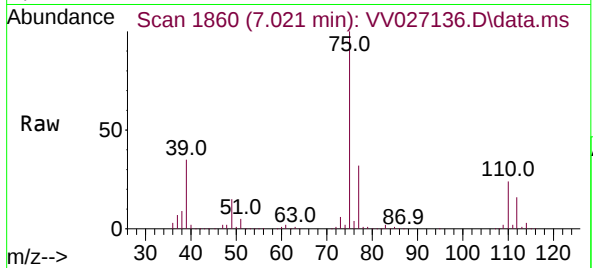
VSTD050322

Tgt Ion: 75 Resp: 357430

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 104.404 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

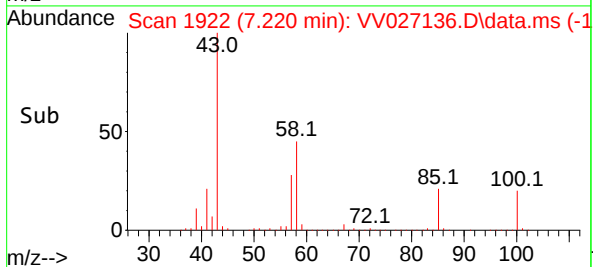
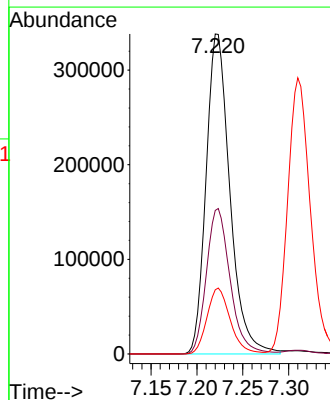
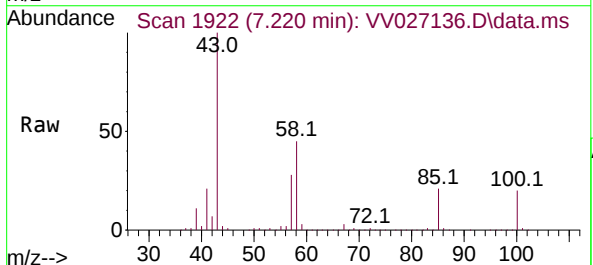
Tgt Ion: 43 Resp: 611156

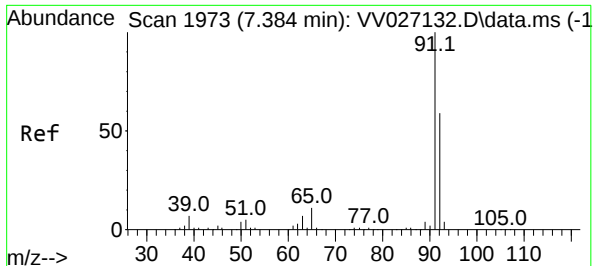
Ion Ratio Lower Upper

43 100

58 45.3 36.1 54.1

100 20.1 15.8 23.6





#42

Toluene

Concen: 52.089 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. -0.000 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

Instrument :

MSVOA\_V

ClientSampleId :

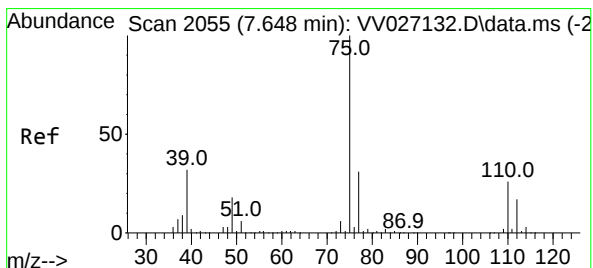
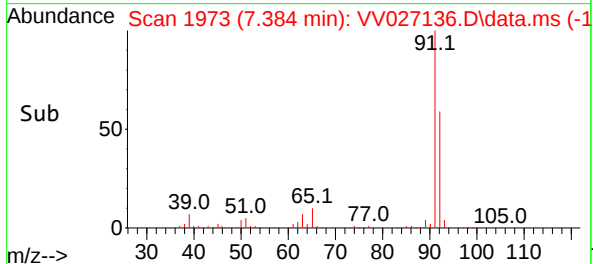
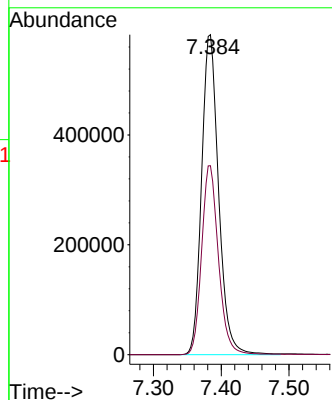
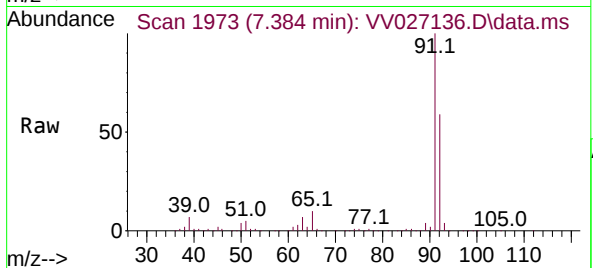
VSTD050322

Tgt Ion: 91 Resp: 1013818

Ion Ratio Lower Upper

91 100

92 59.1 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 51.776 ug/L

RT: 7.644 min Scan# 2054

Delta R.T. -0.003 min

Lab File: VV027136.D

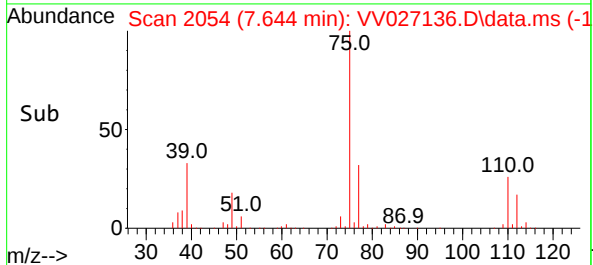
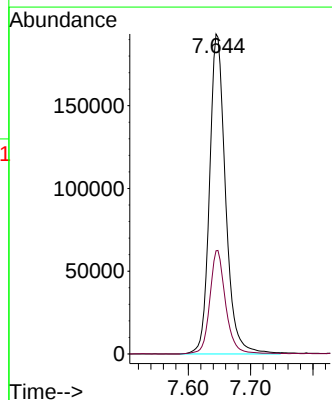
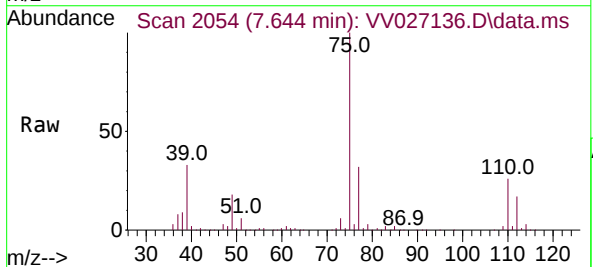
Acq: 01 Aug 2022 19:17

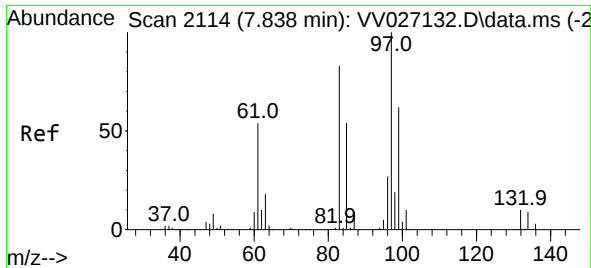
Tgt Ion: 75 Resp: 345656

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8



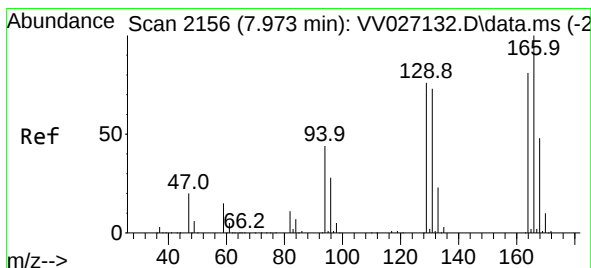
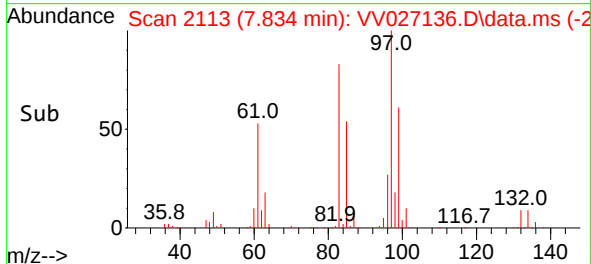
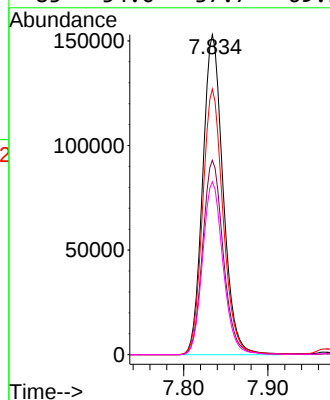
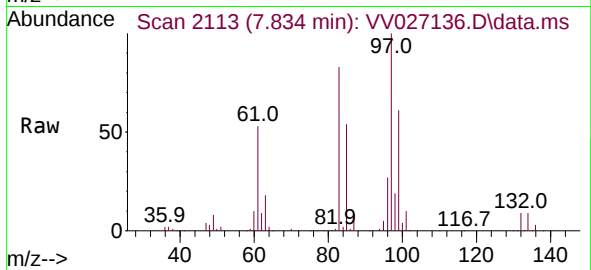


#45  
1,1,2-Trichloroethane  
Concen: 49.576 ug/L  
RT: 7.834 min Scan# 2114  
Delta R.T. -0.003 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050322

Tgt Ion: 97 Resp: 258122

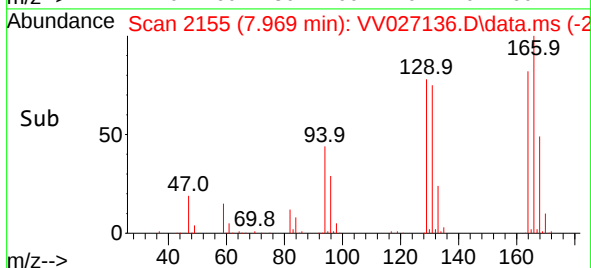
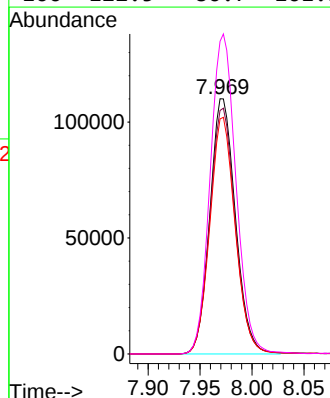
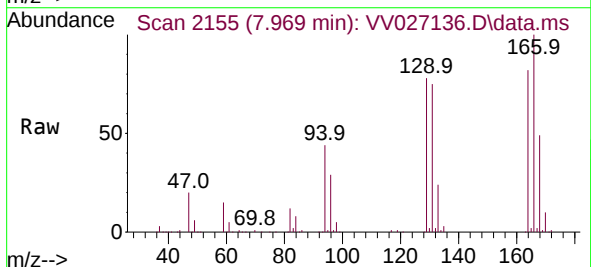
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 60.7  | 43.3  | 80.5  |
| 83  | 83.0  | 58.2  | 108.2 |
| 85  | 54.0  | 37.7  | 69.9  |

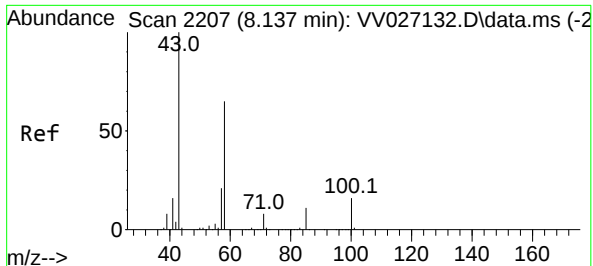


#46  
Tetrachloroethene  
Concen: 50.820 ug/L  
RT: 7.969 min Scan# 2155  
Delta R.T. -0.003 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion: 164 Resp: 188250

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 95.4  | 66.0  | 122.6 |
| 131 | 92.1  | 63.1  | 117.1 |
| 166 | 122.5 | 86.7  | 161.1 |



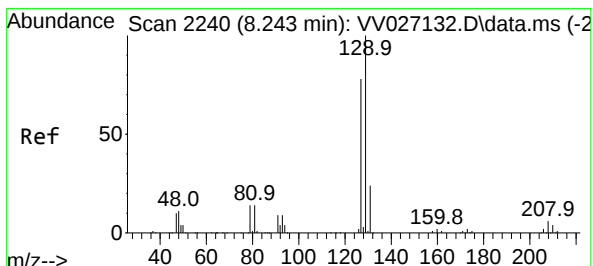
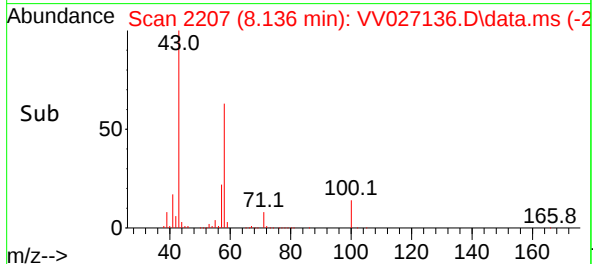
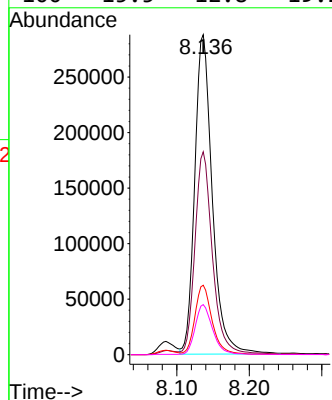
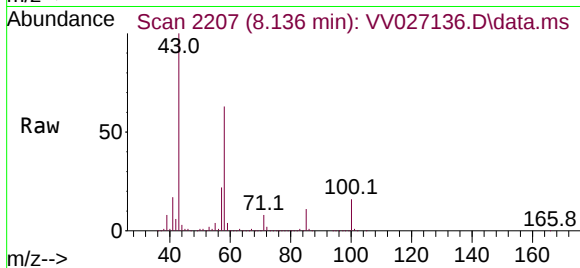


#48  
2-Hexanone  
Concen: 106.480 ug/L  
RT: 8.136 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050322

Tgt Ion: 43 Resp: 484625

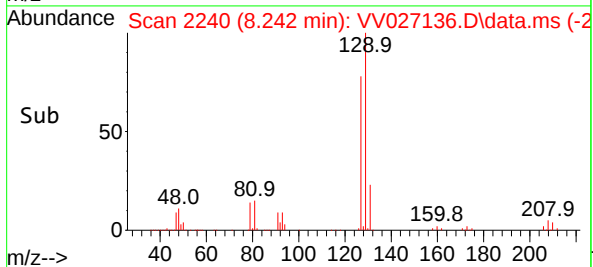
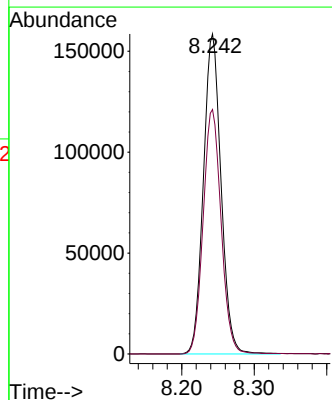
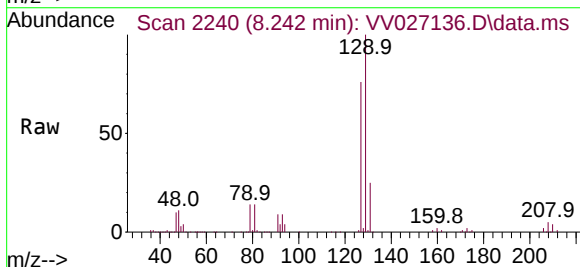
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 62.8  | 51.3  | 76.9  |
| 57  | 21.1  | 16.7  | 25.1  |
| 100 | 15.5  | 12.8  | 19.2  |

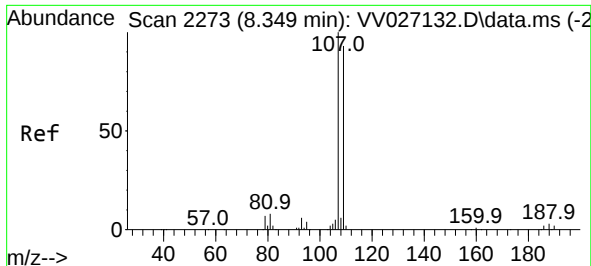


#49  
Dibromochloromethane  
Concen: 49.507 ug/L  
RT: 8.242 min Scan# 2240  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion: 129 Resp: 267575

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.4  | 54.5  | 101.3 |





#50

1,2-Dibromoethane

Concen: 49.655 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050322

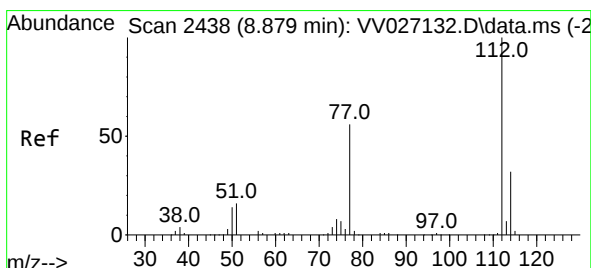
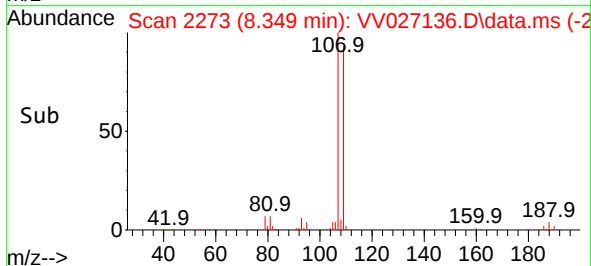
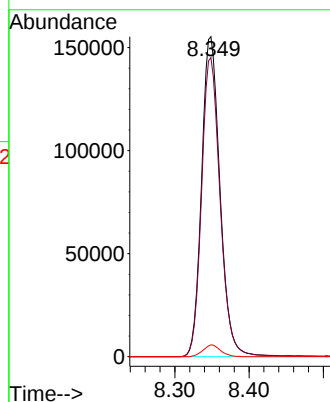
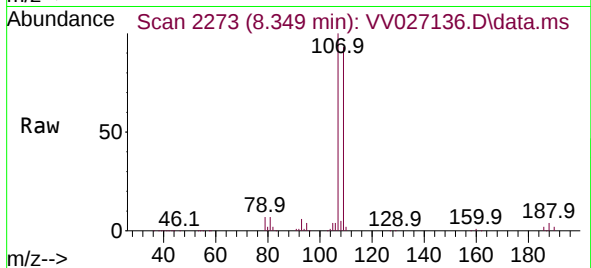
Tgt Ion:107 Resp: 267657

Ion Ratio Lower Upper

107 100

109 93.4 65.3 121.3

188 3.7 2.6 4.0



#51

Chlorobenzene

Concen: 49.091 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.003 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

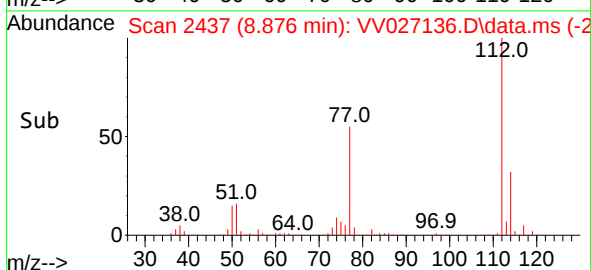
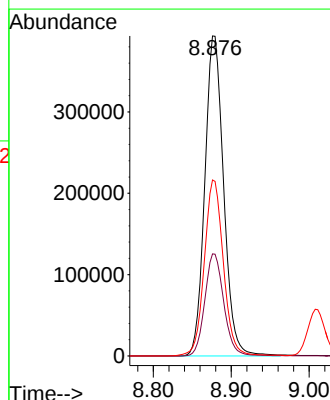
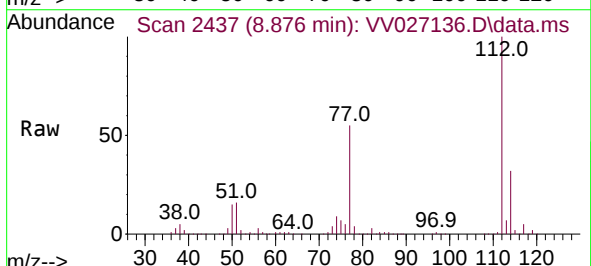
Tgt Ion:112 Resp: 661215

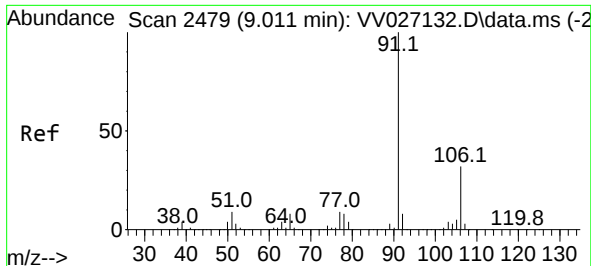
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 55.0 44.9 67.3

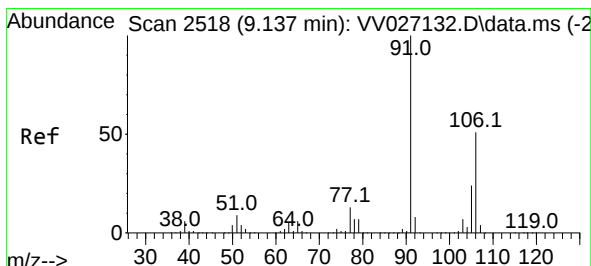
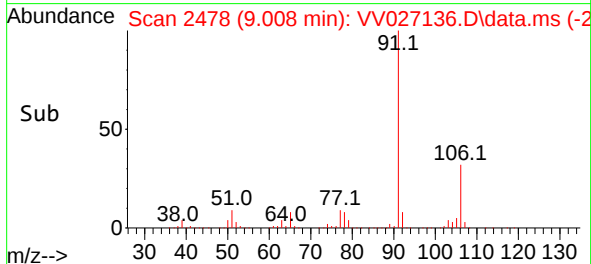
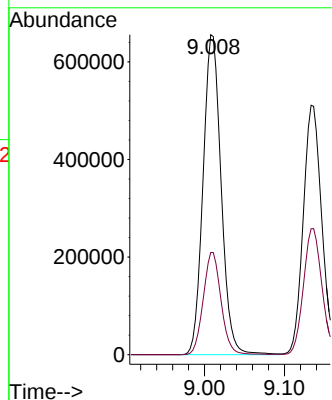
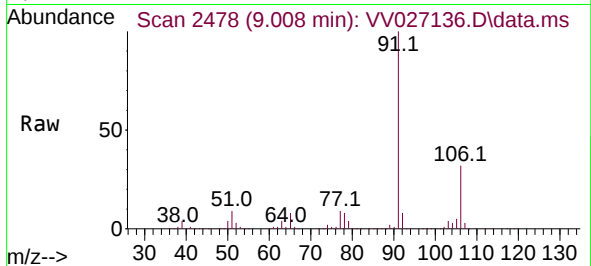




#52  
Ethylbenzene  
Concen: 51.796 ug/L  
RT: 9.008 min Scan# 2479  
Delta R.T. -0.003 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

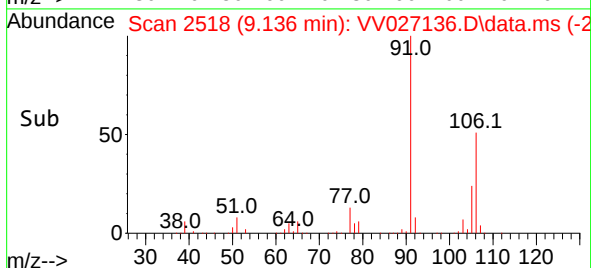
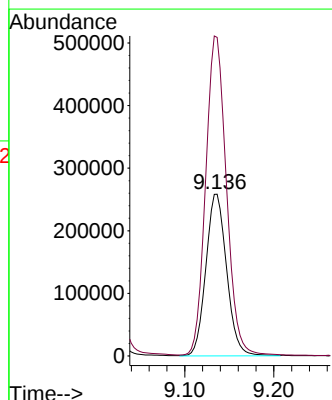
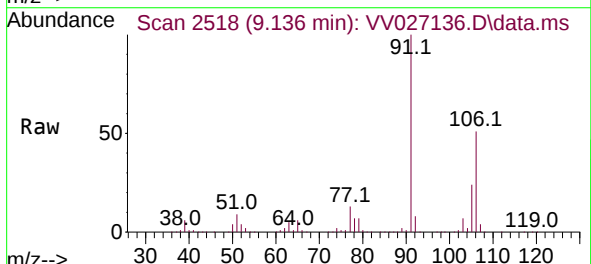
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050322

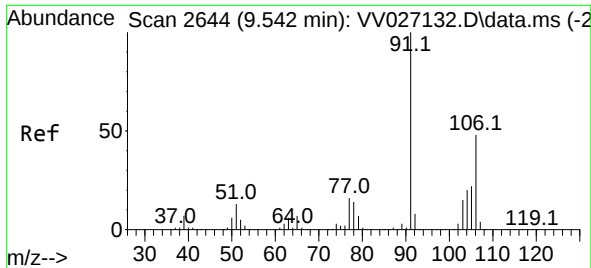
Tgt Ion: 91 Resp: 1033162  
Ion Ratio Lower Upper  
91 100  
106 32.0 22.1 41.1



#53  
m,p-Xylene  
Concen: 53.449 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion: 106 Resp: 418217  
Ion Ratio Lower Upper  
106 100  
91 197.0 138.5 257.3

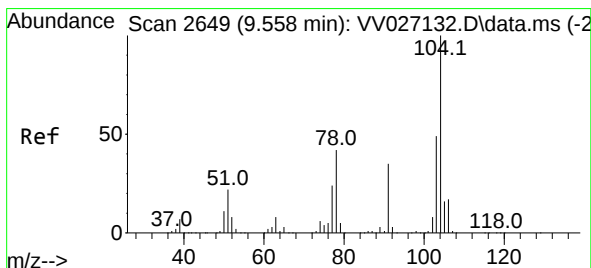
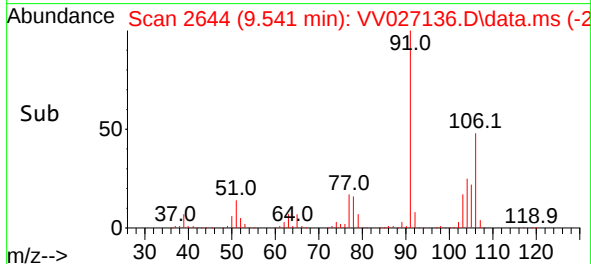
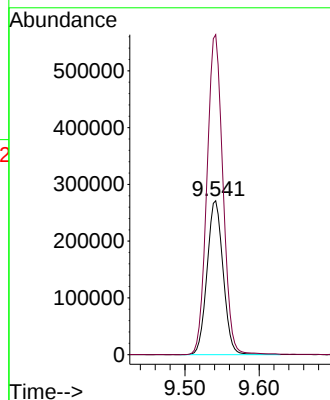
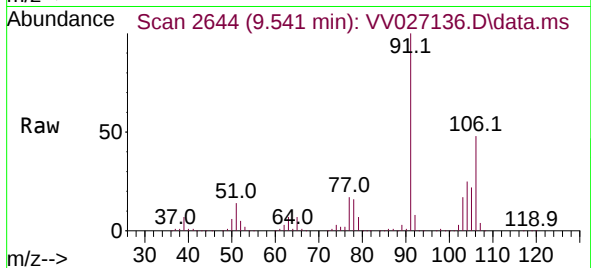




#54  
o-Xylene  
Concen: 53.121 ug/L  
RT: 9.541 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

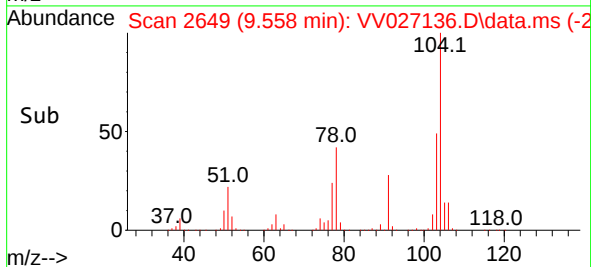
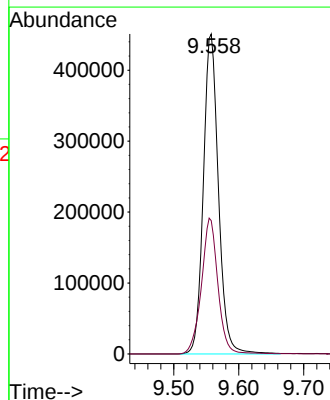
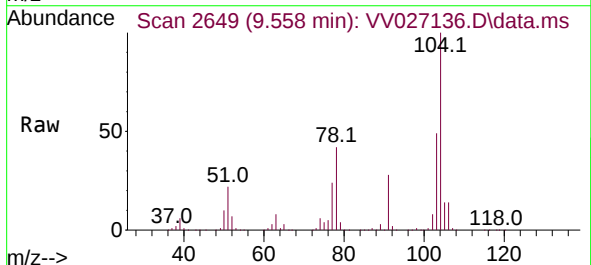
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050322

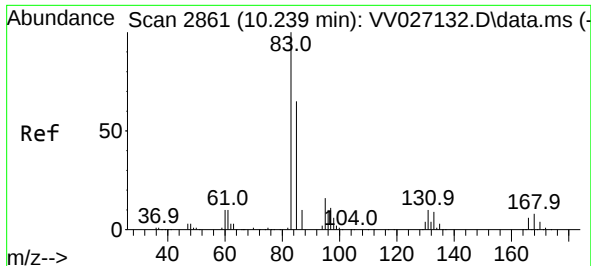
Tgt Ion:106 Resp: 406873  
Ion Ratio Lower Upper  
106 100  
91 207.8 145.1 269.5



#55  
Styrene  
Concen: 54.904 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion:104 Resp: 730892  
Ion Ratio Lower Upper  
104 100  
78 41.7 29.2 54.2

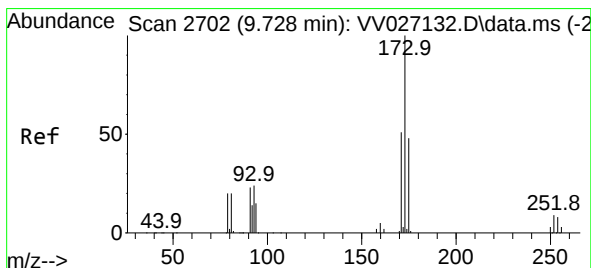
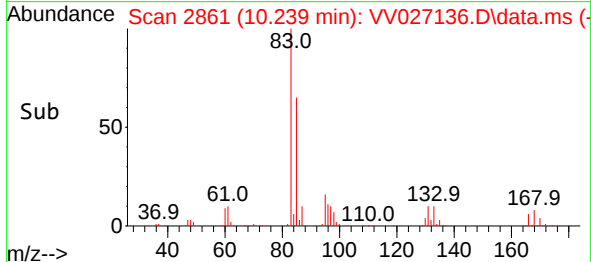
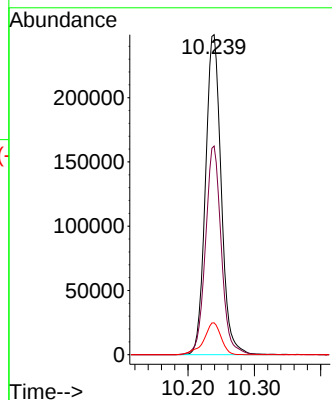
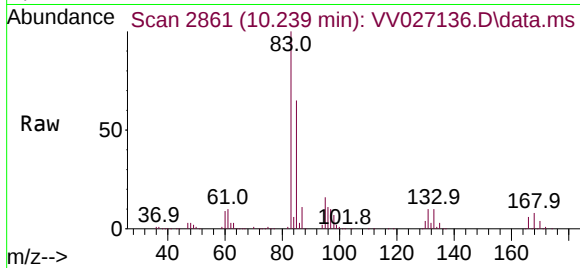




#57  
1,1,2,2-Tetrachloroethane  
Concen: 48.455 ug/L  
RT: 10.239 min Scan# 2861  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

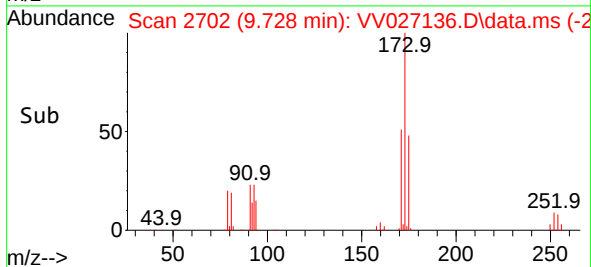
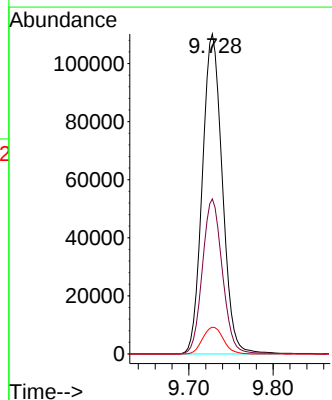
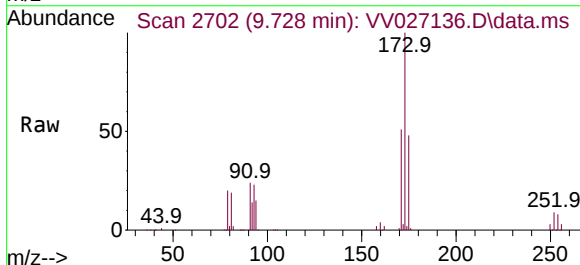
Instrument : MSVOA\_V  
ClientSampleId : VSTD050322

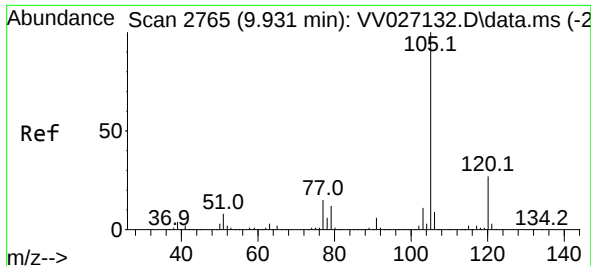
Tgt Ion: 83 Resp: 409088  
Ion Ratio Lower Upper  
83 100  
85 65.2 45.2 84.0  
131 10.0 7.8 11.6



#59  
Bromoform  
Concen: 49.099 ug/L  
RT: 9.728 min Scan# 2702  
Delta R.T. -0.000 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion: 173 Resp: 182031  
Ion Ratio Lower Upper  
173 100  
175 48.4 38.2 57.4  
254 8.7 6.8 10.2

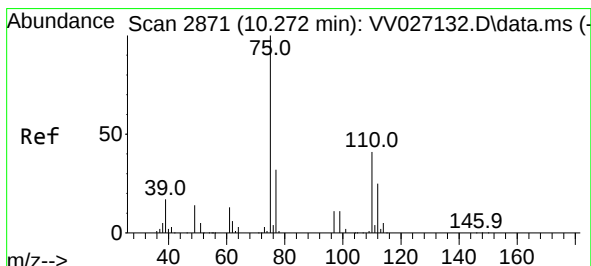
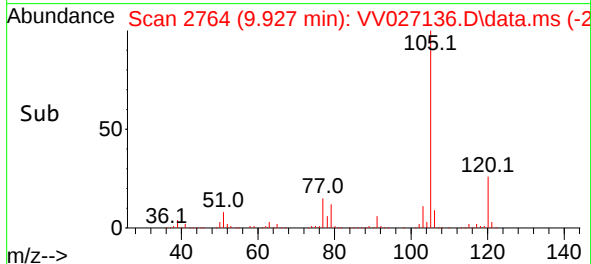
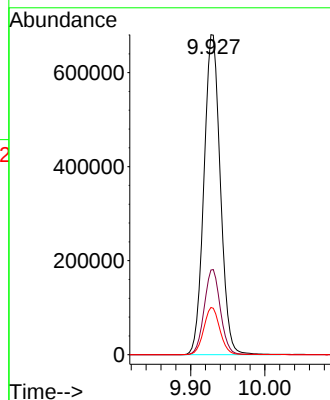
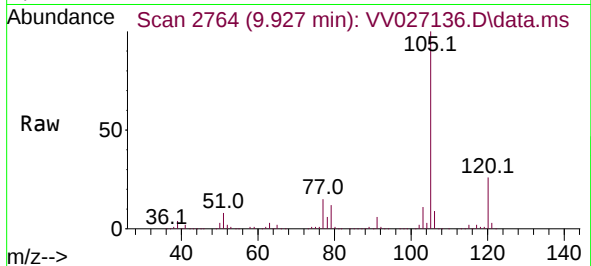




#60  
Isopropylbenzene  
Concen: 52.944 ug/L  
RT: 9.927 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

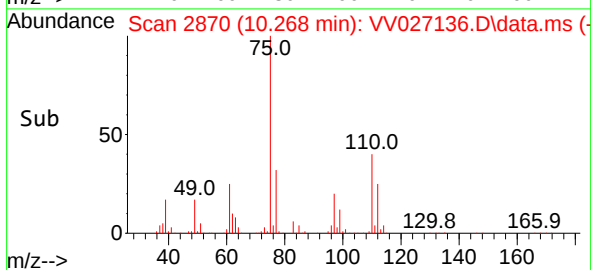
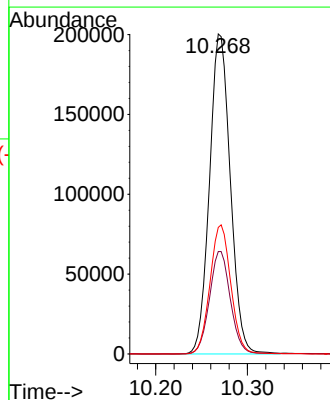
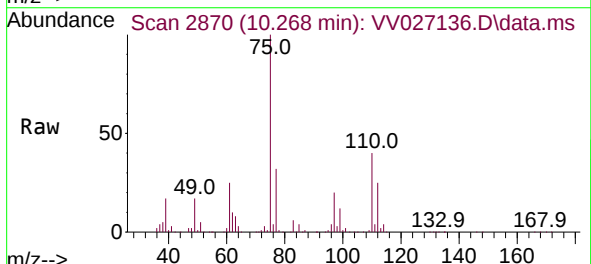
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050322

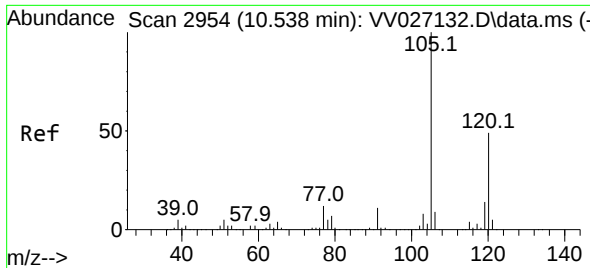
Tgt Ion:105 Resp: 1043237  
Ion Ratio Lower Upper  
105 100  
120 26.2 21.4 32.2  
77 14.5 11.7 17.5



#61  
1,2,3-Trichloropropane  
Concen: 47.499 ug/L  
RT: 10.268 min Scan# 2870  
Delta R.T. -0.003 min  
Lab File: VV027136.D  
Acq: 01 Aug 2022 19:17

Tgt Ion: 75 Resp: 316685  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.8 38.8  
110 40.3 32.8 49.2

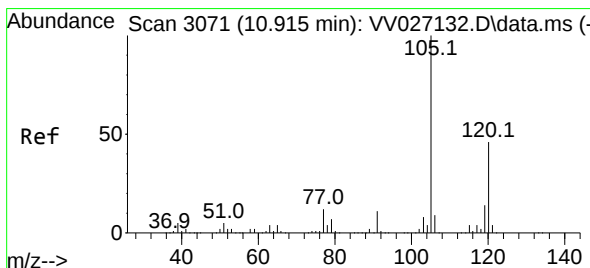
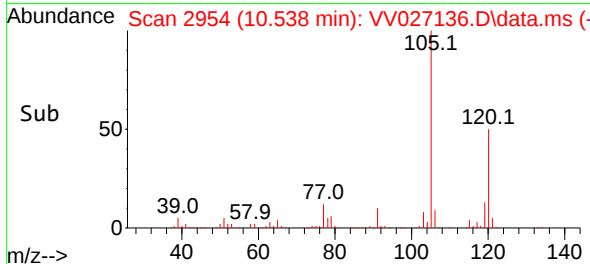
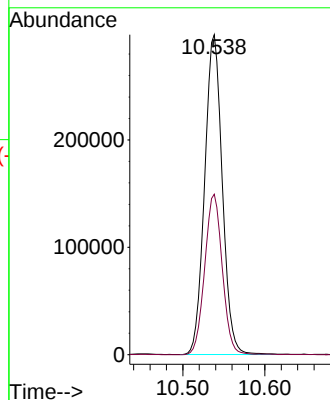
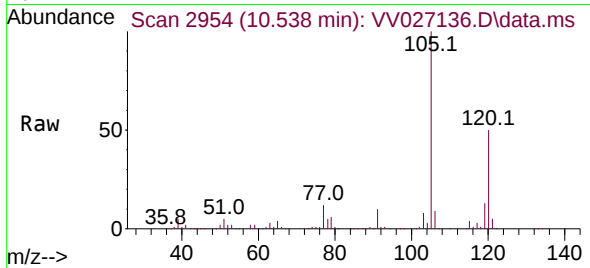




#62  
 1,3,5-Trimethylbenzene  
 Concen: 52.220 ug/L  
 RT: 10.538 min Scan# 2954  
 Delta R.T. -0.000 min  
 Lab File: VV027136.D  
 Acq: 01 Aug 2022 19:17

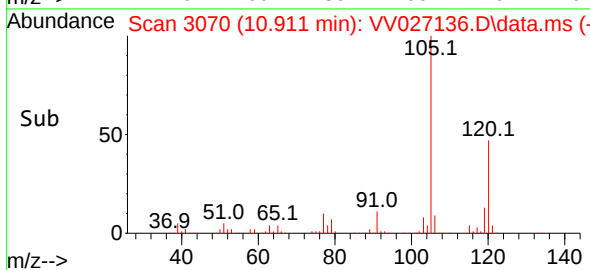
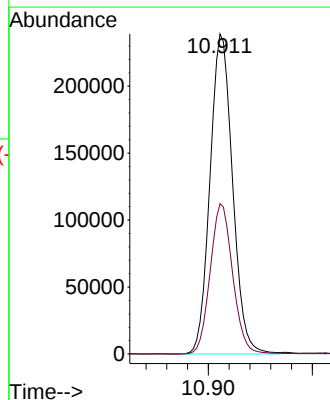
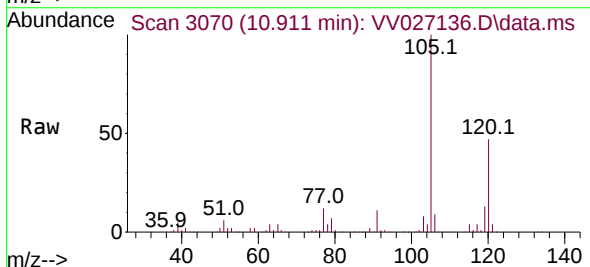
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050322

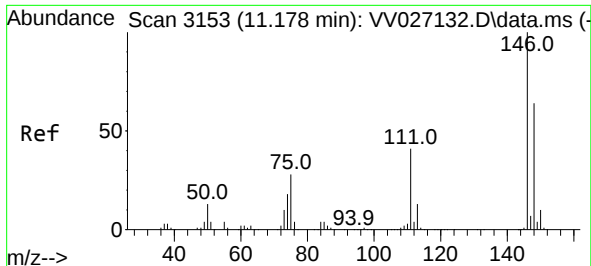
Tgt Ion:105 Resp: 445685  
 Ion Ratio Lower Upper  
 105 100  
 120 49.9 39.6 59.4



#63  
 1,2,4-Trimethylbenzene  
 Concen: 52.188 ug/L  
 RT: 10.911 min Scan# 3070  
 Delta R.T. -0.003 min  
 Lab File: VV027136.D  
 Acq: 01 Aug 2022 19:17

Tgt Ion:105 Resp: 359877  
 Ion Ratio Lower Upper  
 105 100  
 120 46.9 36.5 54.7

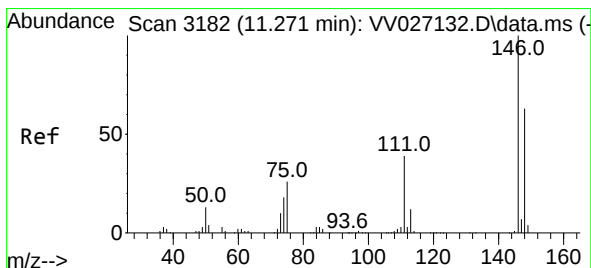
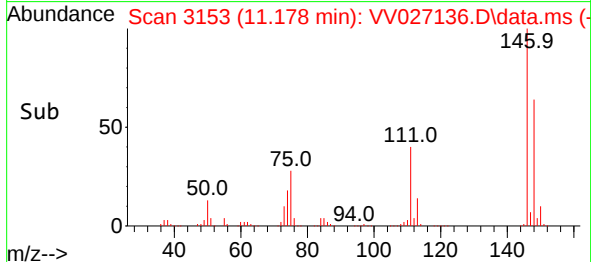
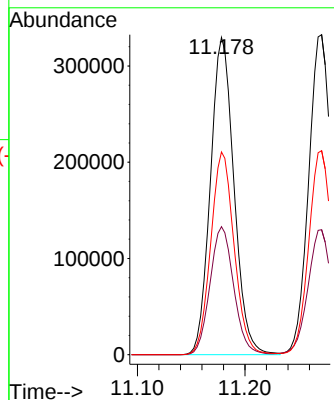
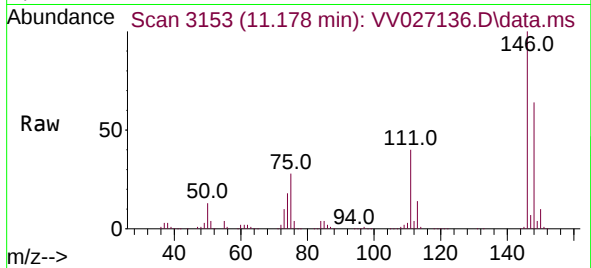




#64  
 1,3-Dichlorobenzene  
 Concen: 51.664 ug/L  
 RT: 11.178 min Scan# 3153  
 Delta R.T. -0.000 min  
 Lab File: VV027136.D  
 Acq: 01 Aug 2022 19:17

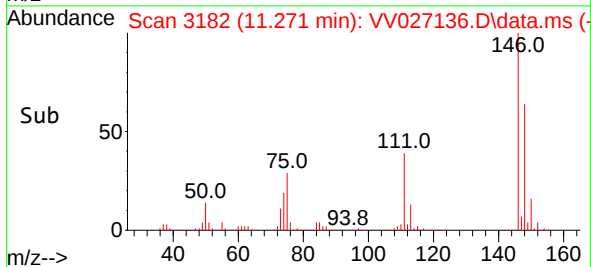
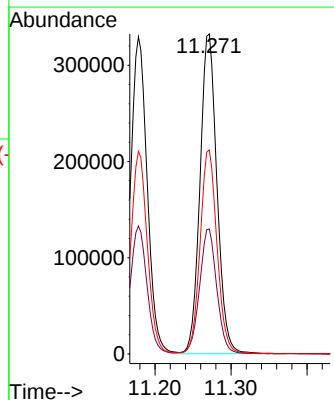
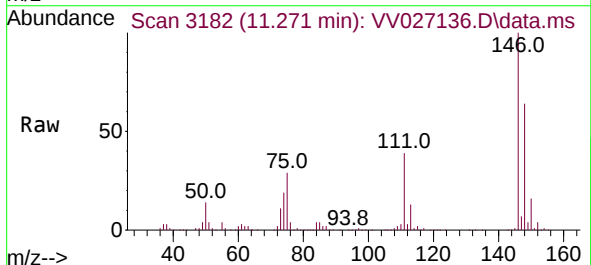
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050322

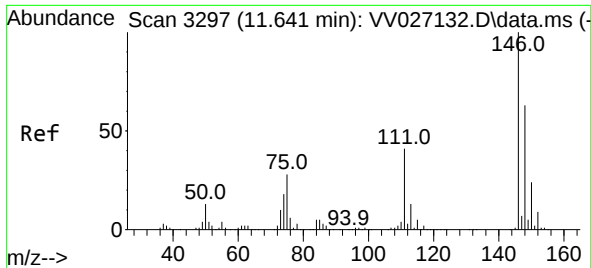
Tgt Ion:146 Resp: 501713  
 Ion Ratio Lower Upper  
 146 100  
 111 40.3 28.6 53.2  
 148 63.9 44.8 83.2



#65  
 1,4-Dichlorobenzene  
 Concen: 50.266 ug/L  
 RT: 11.271 min Scan# 3182  
 Delta R.T. -0.000 min  
 Lab File: VV027136.D  
 Acq: 01 Aug 2022 19:17

Tgt Ion:146 Resp: 514959  
 Ion Ratio Lower Upper  
 146 100  
 111 39.1 27.2 50.4  
 148 63.8 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 50.416 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. -0.000 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050322

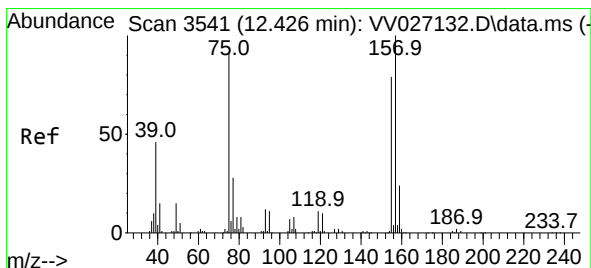
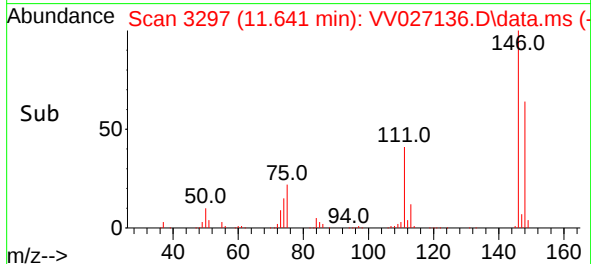
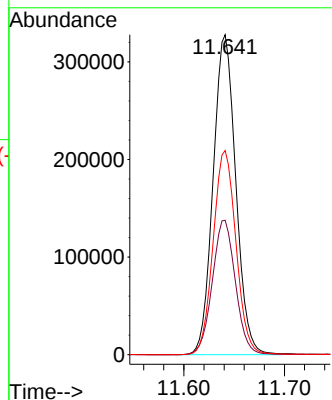
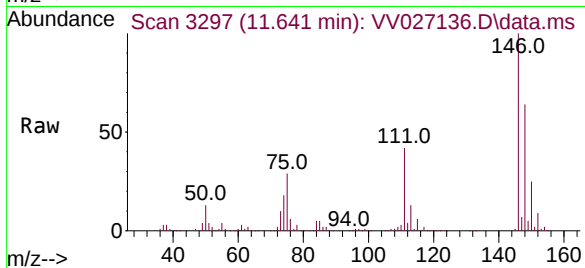
Tgt Ion:146 Resp: 514134

Ion Ratio Lower Upper

146 100

111 42.0 32.8 49.2

148 63.8 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 47.514 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. -0.000 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

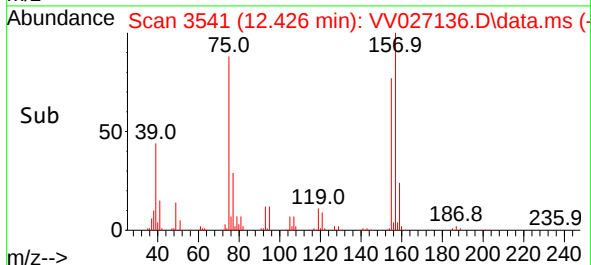
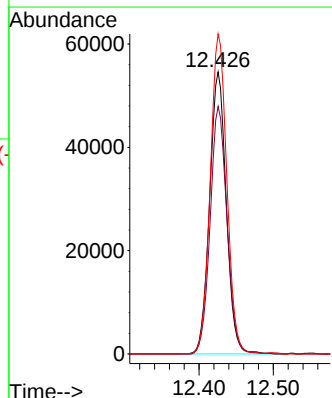
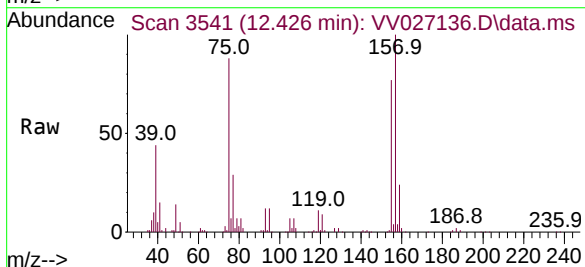
Tgt Ion: 75 Resp: 84753

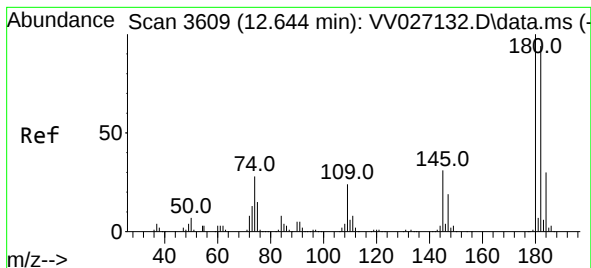
Ion Ratio Lower Upper

75 100

155 87.7 69.6 104.4

157 113.4 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 51.428 ug/L

RT: 12.641 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050322

Tgt Ion:180 Resp: 354320

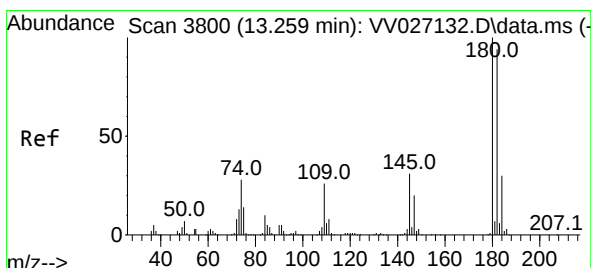
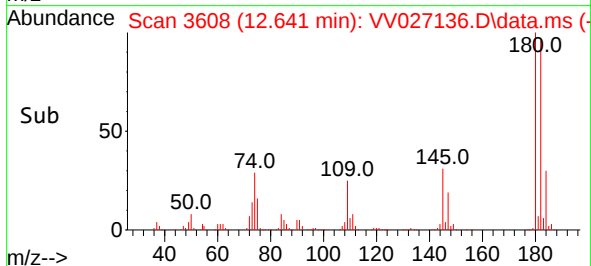
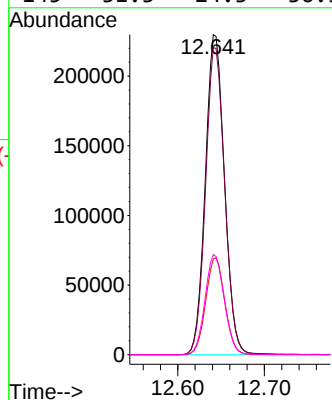
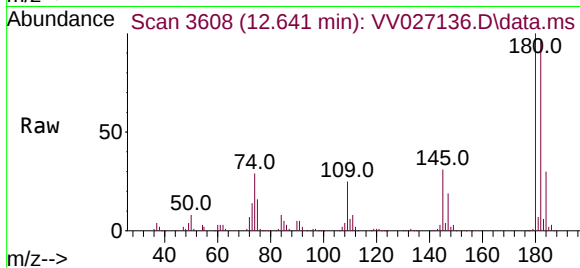
Ion Ratio Lower Upper

180 100

182 95.4 75.3 112.9

184 30.1 24.3 36.5

145 31.3 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 53.215 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

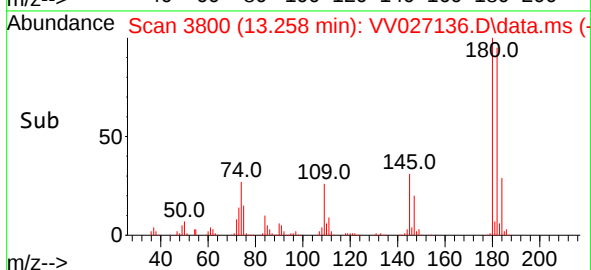
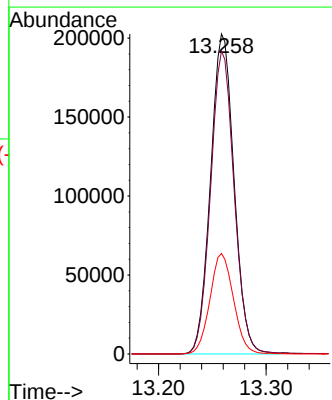
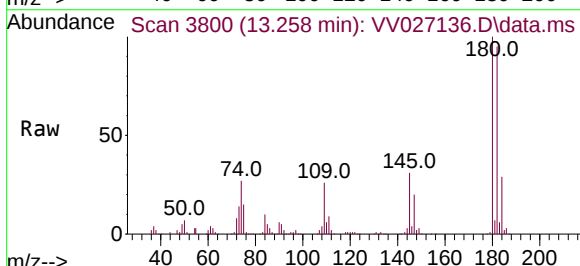
Tgt Ion:180 Resp: 307850

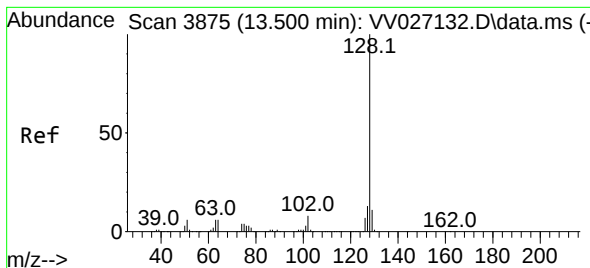
Ion Ratio Lower Upper

180 100

182 94.5 75.2 112.8

145 31.3 24.7 37.1





#71

Naphthalene

Concen: 55.443 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050322

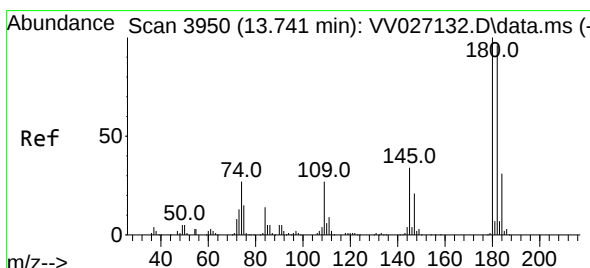
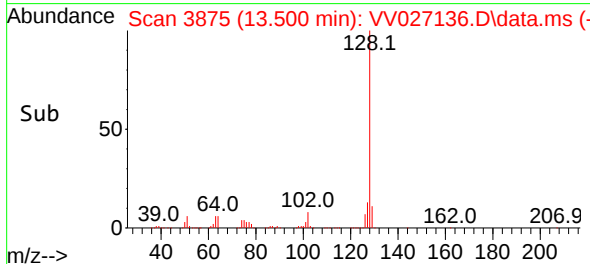
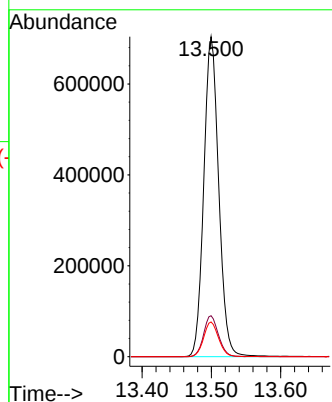
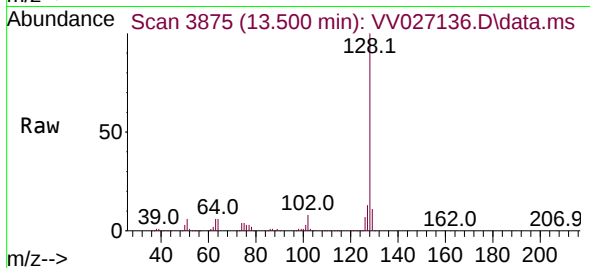
Tgt Ion:128 Resp: 1053585

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 53.629 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.000 min

Lab File: VV027136.D

Acq: 01 Aug 2022 19:17

Tgt Ion:180 Resp: 339264

Ion Ratio Lower Upper

180 100

182 96.4 76.3 114.5

145 33.5 26.8 40.2

