

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081122\  
 Data File : VW024228.D  
 Acq On : 11 Aug 2022 13:38  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.01g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025531

Quant Time: Aug 12 03:14:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM080422SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 12 03:13:23 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 295495   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 288649   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 172319   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.337  | 65    | 121678   | 19.700   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 78.800%  |
| 7) Chloroethane-d5            | 2.867  | 69    | 84054    | 21.846   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 87.400%  |
| 11) 1,1-Dichloroethene-d2     | 4.007  | 63    | 146592   | 20.825   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 83.320%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 54508    | 47.434   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 94.860%  |
| 24) Chloroform-d              | 7.647  | 84    | 207239   | 23.179   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 92.720%  |
| 26) 1,2-Dichloroethane-d4     | 8.299  | 65    | 109622   | 22.084   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 88.320%  |
| 32) Benzene-d6                | 8.269  | 84    | 370498   | 21.764   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 87.040%  |
| 36) 1,2-Dichloropropane-d6    | 9.268  | 67    | 111134   | 22.111   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 88.440%  |
| 41) Toluene-d8                | 10.323 | 98    | 349411   | 21.959   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 87.840%  |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 49101    | 22.303   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 89.200%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 47807    | 51.495   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 103.000% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 114827   | 23.547   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 94.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 146736   | 23.270   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 93.080%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.001  | 85    | 67550    | 25.984   | ug/L   | 97       |
| 3) Chloromethane              | 2.209  | 50    | 124955   | 25.628   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.349  | 62    | 176808   | 26.050   | ug/L   | 97       |
| 6) Bromomethane               | 2.764  | 94    | 95056    | 24.426   | ug/L   | 91       |
| 8) Chloroethane               | 2.904  | 64    | 83849    | 28.203   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.239  | 101   | 77050    | 23.948   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.044  | 101   | 115268   | 26.564   | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 4.032  | 96    | 96018    | 27.029   | ug/L   | 84       |
| 14) Carbon disulfide          | 4.373  | 76    | 276364   | 24.311   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.672  | 43    | 47339    | 24.842   | ug/L   | 99       |
| 16) Methylene chloride        | 4.903  | 84    | 120093   | 23.046   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.415  | 96    | 108424   | 26.429   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.422  | 73    | 160807   | 27.489   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.208  | 63    | 195140   | 27.003   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 122968   | 27.293   | ug/L # | 90       |
| 22) 2-Butanone                | 7.165  | 43    | 65882    | 46.213   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.513  | 128   | 61951    | 27.610   | ug/L # | 90       |
| 25) Chloroform                | 7.671  | 83    | 221613   | 27.830   | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 8.397  | 62    | 146126   | 27.270   | ug/L   | 99       |

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 Sample : VSTDCCC025EC  
 Misc : 5.01g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025531

Quant Time: Aug 12 03:14:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM080422SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 12 03:13:23 2022  
 Response via : Initial Calibration

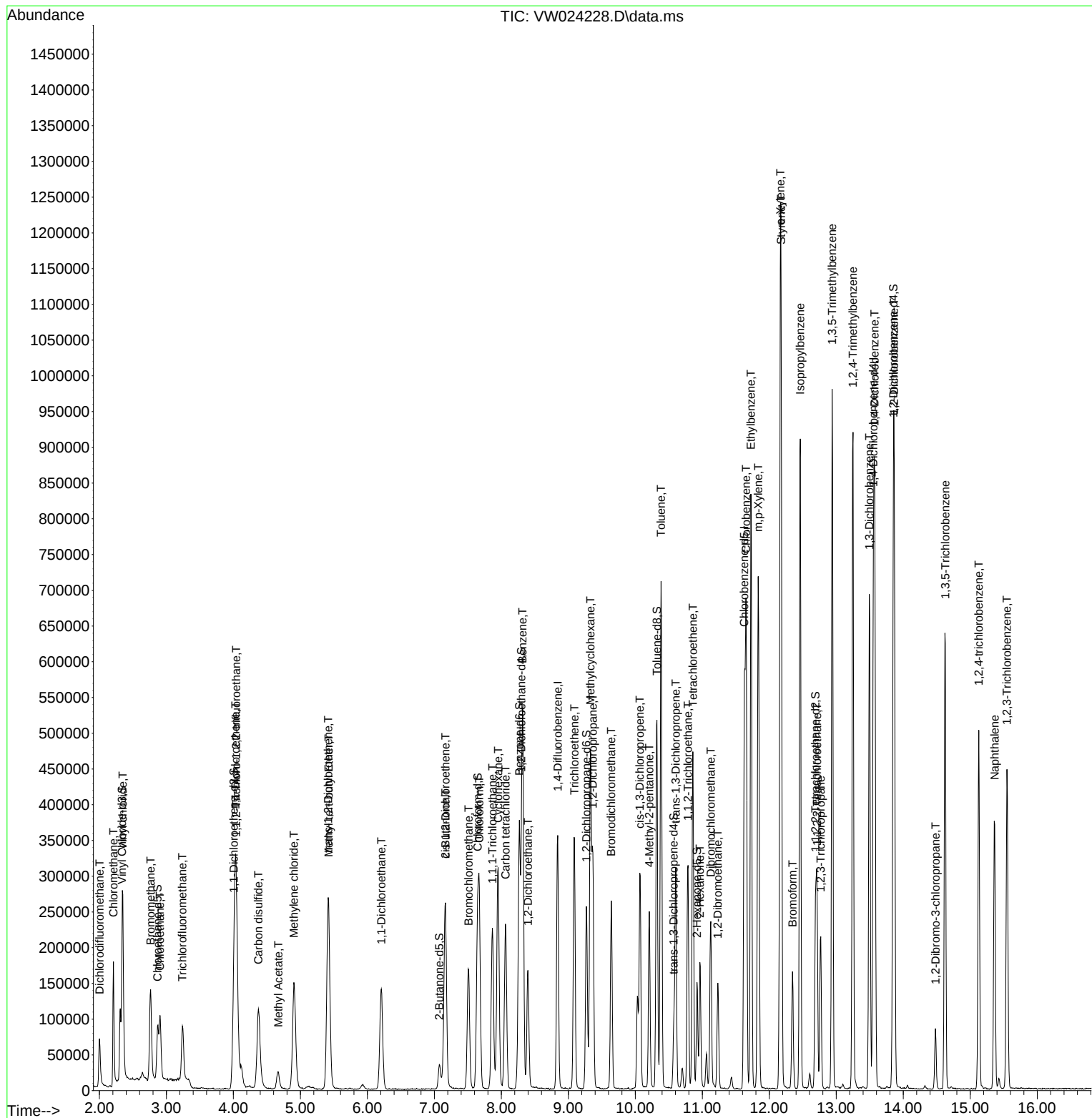
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 29) Cyclohexane               | 7.952  | 56   | 155056   | 26.202 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 173216   | 26.610 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.061  | 117  | 166791   | 27.160 | ug/L  | 99       |
| 33) Benzene                   | 8.317  | 78   | 461747   | 27.085 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 119567   | 26.534 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.329  | 83   | 187815   | 26.579 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 118024   | 28.006 | ug/L  | 98       |
| 38) Bromodichloromethane      | 9.640  | 83   | 165842   | 28.058 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.067 | 75   | 172712   | 27.857 | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 152310   | 54.457 | ug/L  | 99       |
| 42) Toluene                   | 10.384 | 91   | 507833   | 28.032 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 156495   | 27.624 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 96501    | 27.168 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.860 | 164  | 100359   | 27.511 | ug/L  | 93       |
| 48) 2-Hexanone                | 10.963 | 43   | 108275   | 57.044 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 122038   | 28.539 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 94242    | 27.692 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.652 | 112  | 342898   | 27.703 | ug/L  | 94       |
| 52) Ethylbenzene              | 11.725 | 91   | 558587   | 28.143 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.835 | 106  | 226550   | 29.322 | ug/L  | 97       |
| 54) o-Xylene                  | 12.164 | 106  | 218285   | 29.906 | ug/L  | 90       |
| 55) Styrene                   | 12.176 | 104  | 385258   | 30.348 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 121037   | 27.266 | ug/L  | 99       |
| 59) Bromoform                 | 12.347 | 173  | 68655    | 26.120 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 575576   | 27.592 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 83390    | 24.317 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 491688   | 28.523 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 481287   | 28.349 | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 283014   | 27.706 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.573 | 146  | 291042   | 26.907 | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 265217   | 27.342 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 19141    | 23.890 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 190997   | 28.515 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 151217   | 28.190 | ug/L  | 96       |
| 71) Naphthalene               | 15.365 | 128  | 318411   | 30.475 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 147836   | 30.272 | ug/L  | 99       |

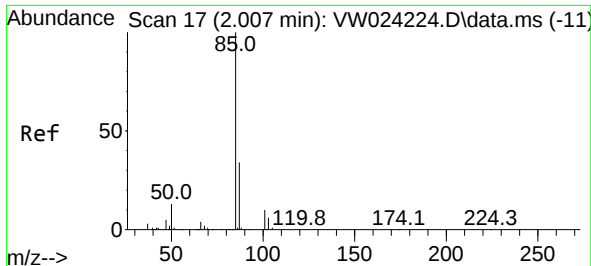
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Sample : VSTDCCC025EC  
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 ALS Vial : 1 Sample Multiplier: 1

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM080422SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 12 03:13:23 2022  
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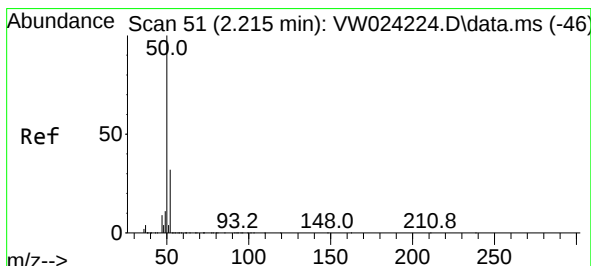
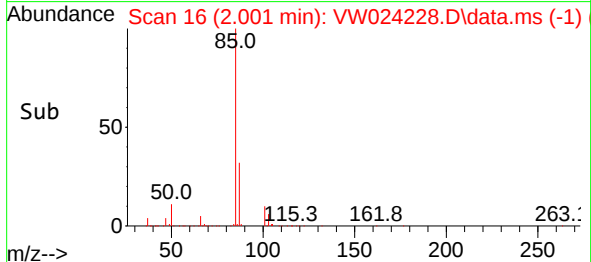
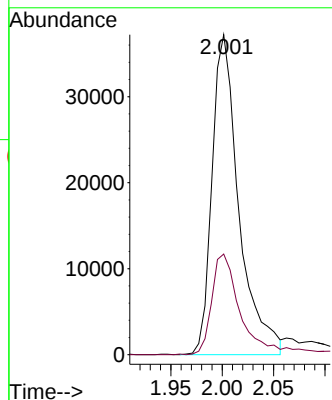
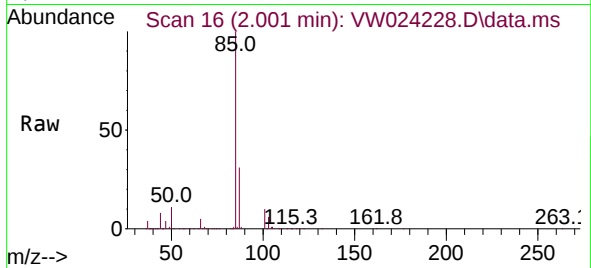




#2  
 Dichlorodifluoromethane  
 Concen: 25.984 ug/L  
 RT: 2.001 min Scan# 1  
 Delta R.T. -0.006 min  
 Lab File: VW024228.D  
 Acq: 11 Aug 2022 13:38

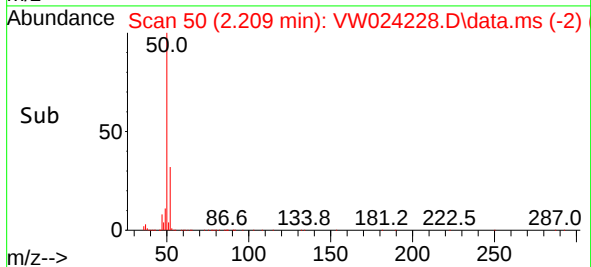
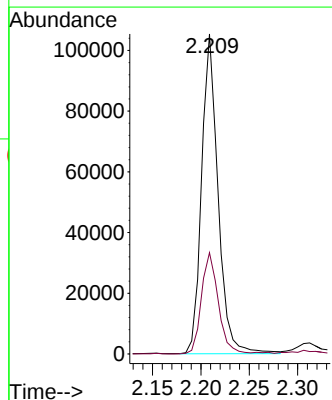
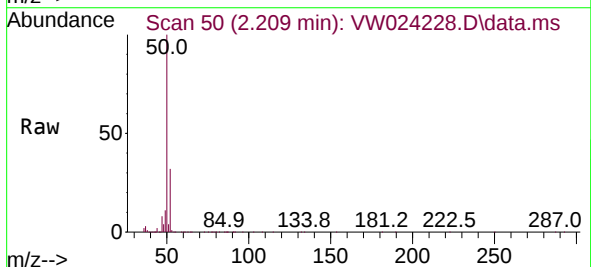
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025531

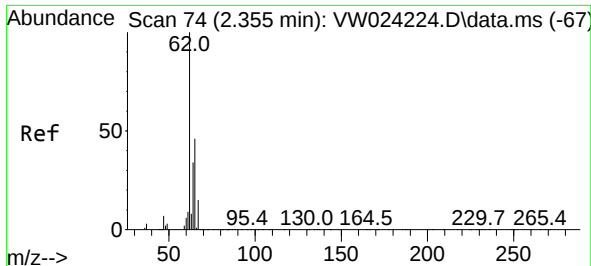
Tgt Ion: 85 Resp: 67550  
 Ion Ratio Lower Upper  
 85 100  
 87 32.4 24.5 36.7



#3  
 Chloromethane  
 Concen: 25.628 ug/L  
 RT: 2.209 min Scan# 50  
 Delta R.T. -0.006 min  
 Lab File: VW024228.D  
 Acq: 11 Aug 2022 13:38

Tgt Ion: 50 Resp: 124955  
 Ion Ratio Lower Upper  
 50 100  
 52 31.6 23.2 43.2

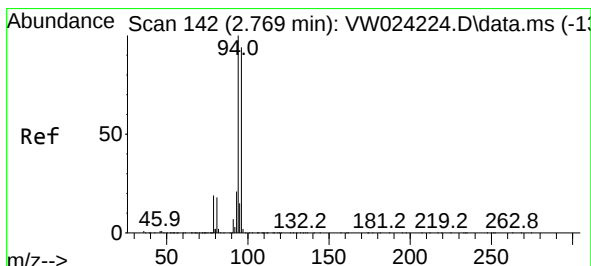
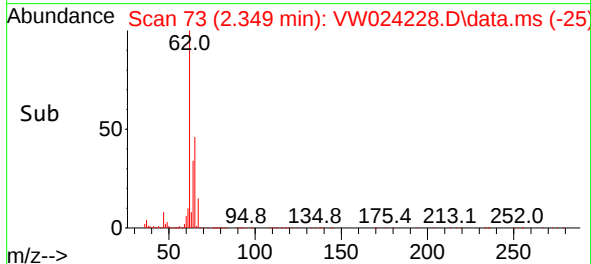
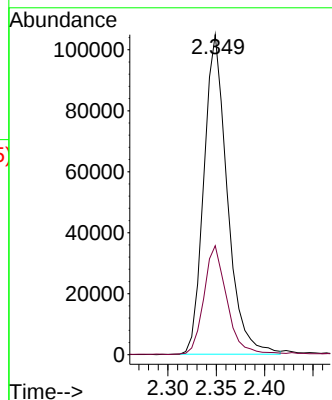
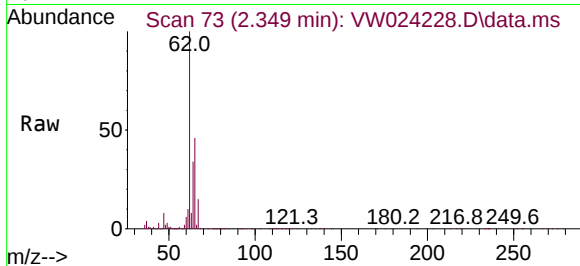




#5  
 Vinyl chloride  
 Concen: 26.050 ug/L  
 RT: 2.349 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: VW024228.D  
 Acq: 11 Aug 2022 13:38

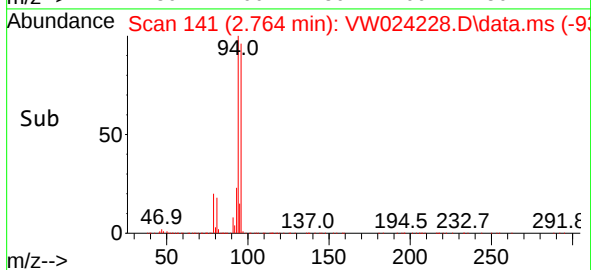
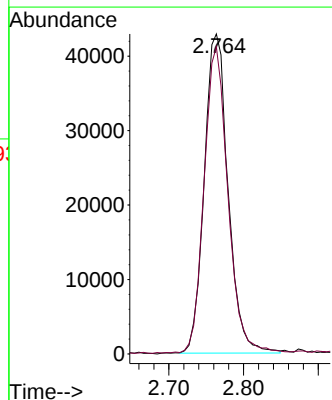
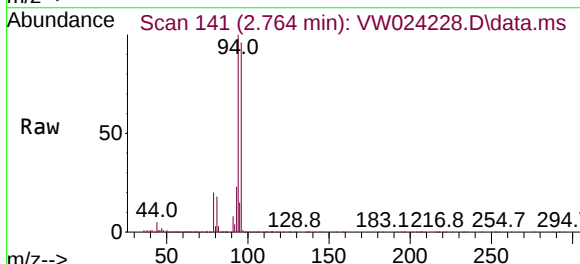
Instrument :  
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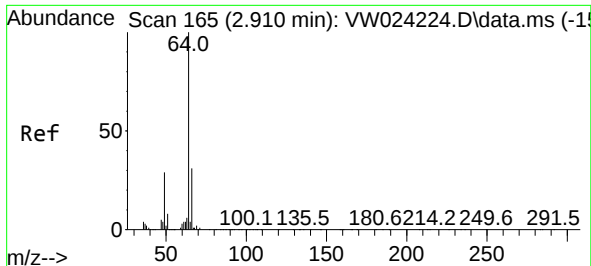
Tgt Ion: 62 Resp: 176808  
 Ion Ratio Lower Upper  
 62 100  
 64 34.0 22.7 42.3



#6  
 Bromomethane  
 Concen: 24.426 ug/L  
 RT: 2.764 min Scan# 141  
 Delta R.T. -0.006 min  
 Lab File: VW024228.D  
 Acq: 11 Aug 2022 13:38

Tgt Ion: 94 Resp: 95056  
 Ion Ratio Lower Upper  
 94 100  
 96 96.0 61.0 113.4

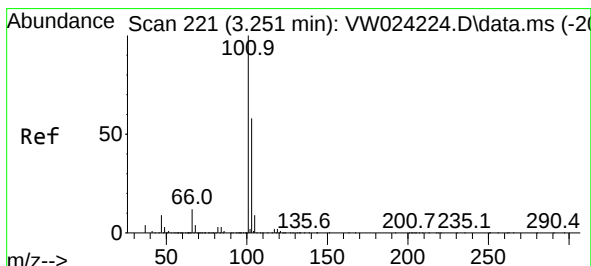
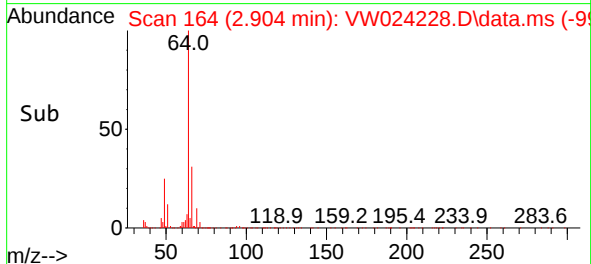
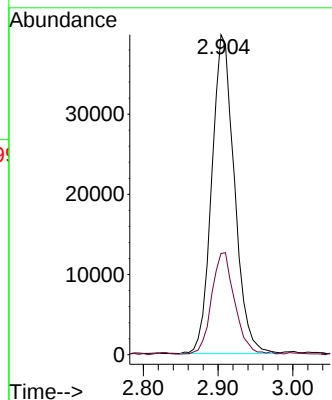
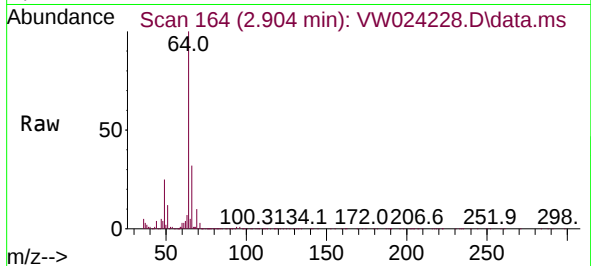




#8  
Chloroethane  
Concen: 28.203 ug/L  
RT: 2.904 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

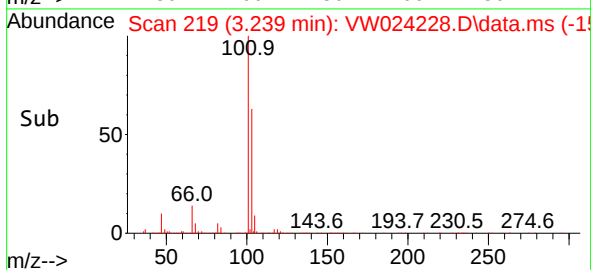
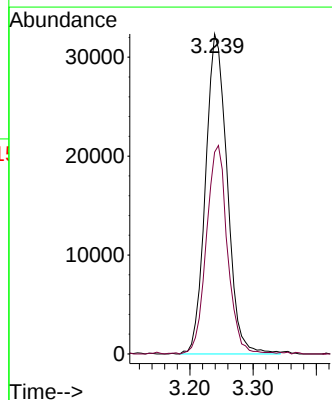
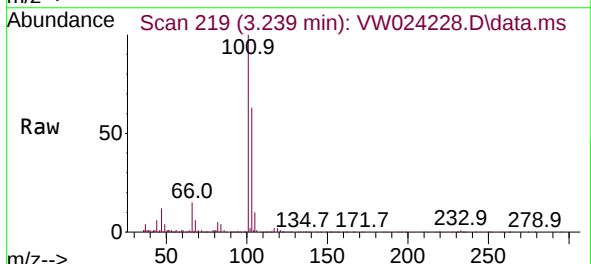
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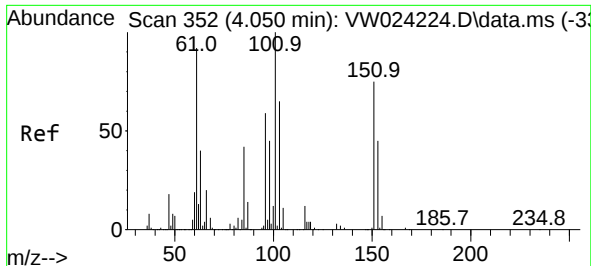
Tgt Ion: 64 Resp: 83849  
Ion Ratio Lower Upper  
64 100  
66 31.6 21.6 40.0



#9  
Trichlorofluoromethane  
Concen: 23.948 ug/L  
RT: 3.239 min Scan# 219  
Delta R.T. -0.012 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 101 Resp: 77050  
Ion Ratio Lower Upper  
101 100  
103 63.2 50.5 75.7

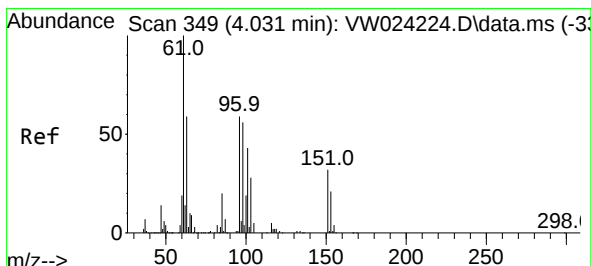
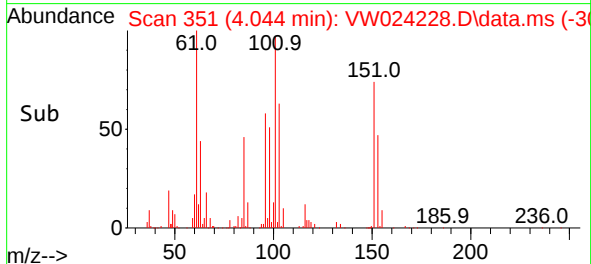
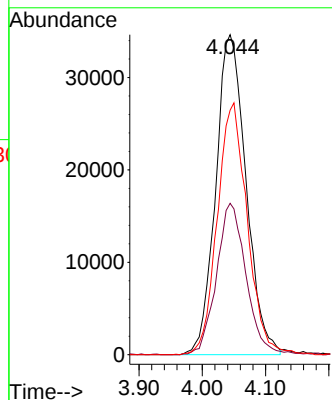
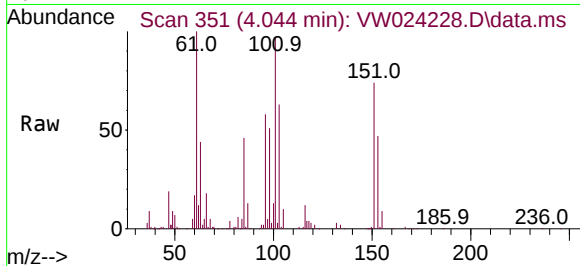




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 26.564 ug/L  
 RT: 4.044 min Scan# 351  
 Delta R.T. -0.006 min  
 Lab File: VW024228.D  
 Acq: 11 Aug 2022 13:38

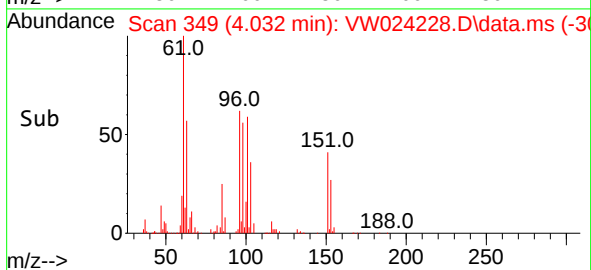
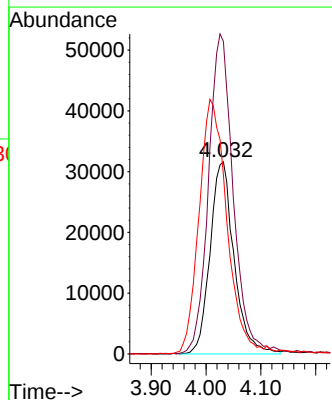
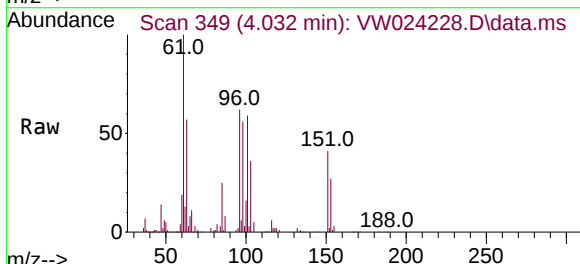
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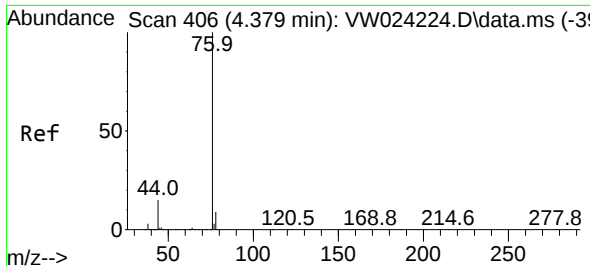
Tgt Ion:101 Resp: 115268  
 Ion Ratio Lower Upper  
 101 100  
 85 46.2 34.9 52.3  
 151 77.4 57.0 85.6



#12  
 1,1-Dichloroethene  
 Concen: 27.029 ug/L  
 RT: 4.032 min Scan# 349  
 Delta R.T. 0.000 min  
 Lab File: VW024228.D  
 Acq: 11 Aug 2022 13:38

Tgt Ion: 96 Resp: 96018  
 Ion Ratio Lower Upper  
 96 100  
 61 162.6 123.1 228.5  
 63 93.4 84.9 157.7

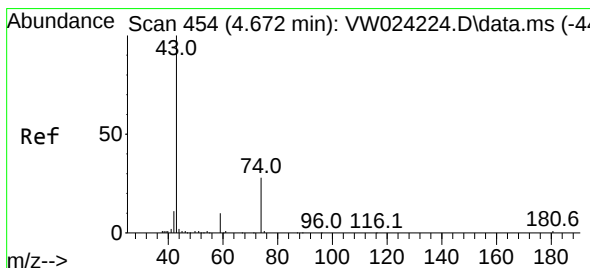
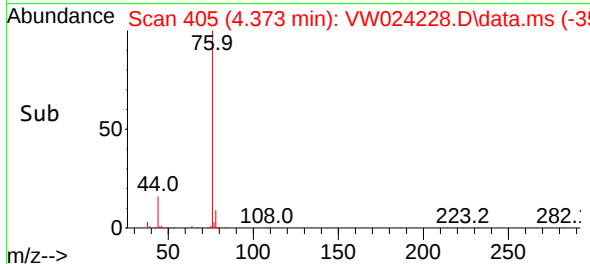
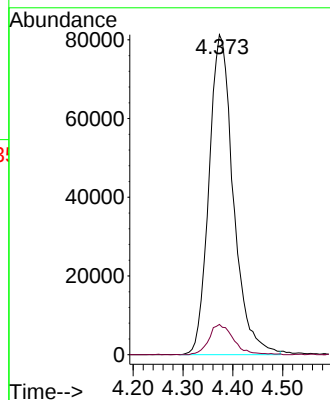
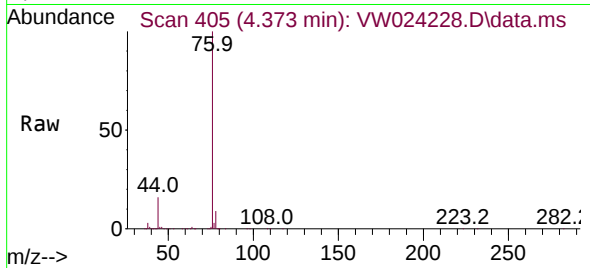




#14  
Carbon disulfide  
Concen: 24.311 ug/L  
RT: 4.373 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

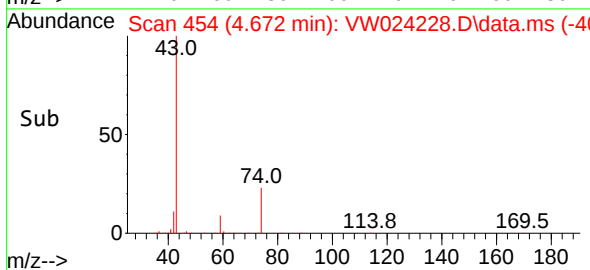
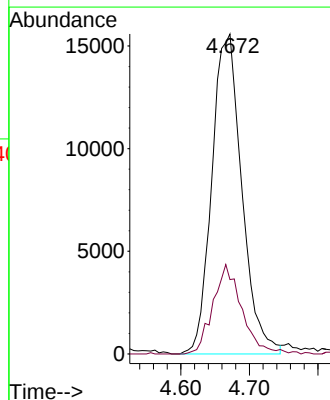
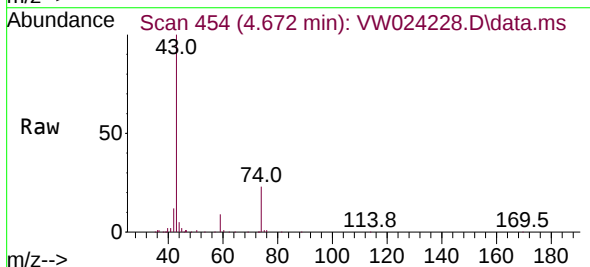
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

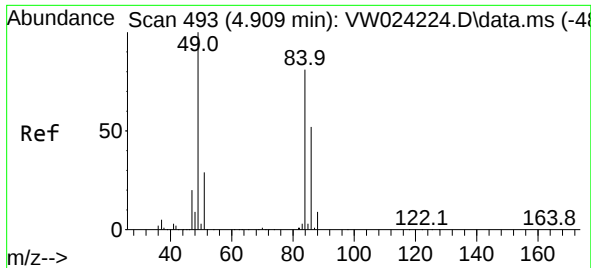
Tgt Ion: 76 Resp: 276364  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.9 11.9



#15  
Methyl Acetate  
Concen: 24.842 ug/L  
RT: 4.672 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 43 Resp: 47339  
Ion Ratio Lower Upper  
43 100  
74 26.5 21.5 32.3

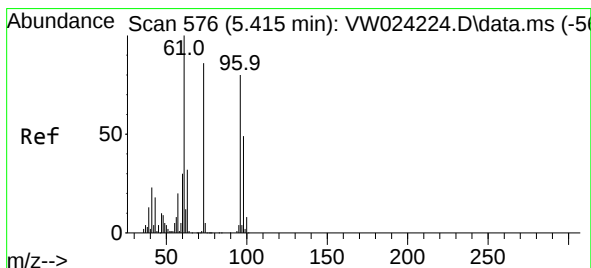
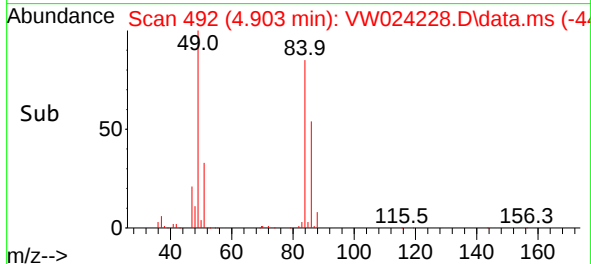
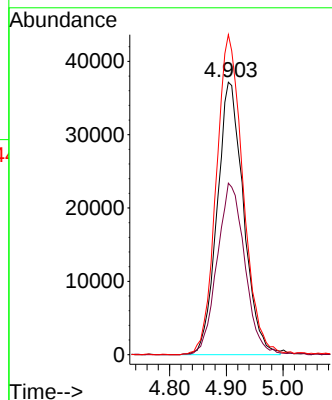
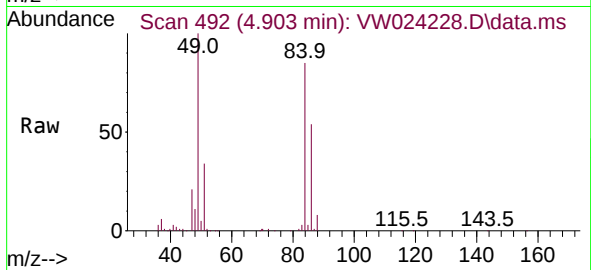




#16  
Methylene chloride  
Concen: 23.046 ug/L  
RT: 4.903 min Scan# 493  
Delta R.T. -0.006 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

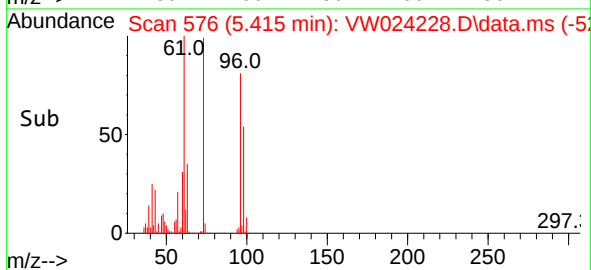
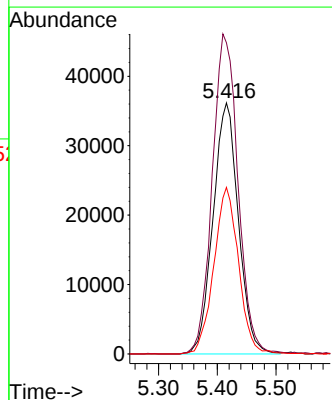
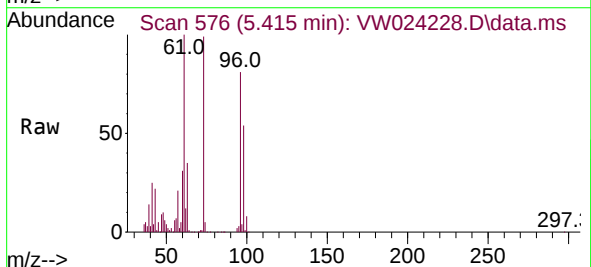
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

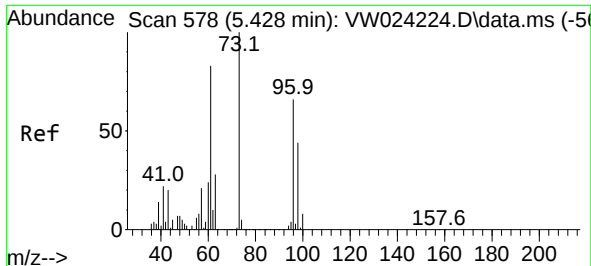
Tgt Ion: 84 Resp: 120093  
Ion Ratio Lower Upper  
84 100  
86 63.0 42.8 79.6  
49 117.5 85.3 158.3



#17  
trans-1,2-Dichloroethene  
Concen: 26.429 ug/L  
RT: 5.415 min Scan# 576  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 96 Resp: 108424  
Ion Ratio Lower Upper  
96 100  
61 124.0 93.0 172.8  
98 66.3 48.5 90.1

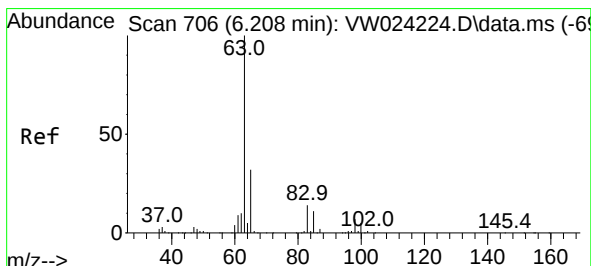
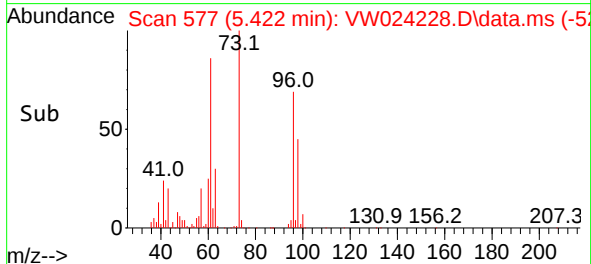
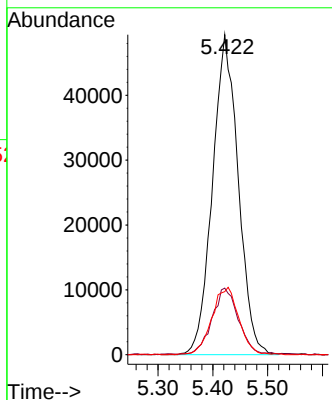
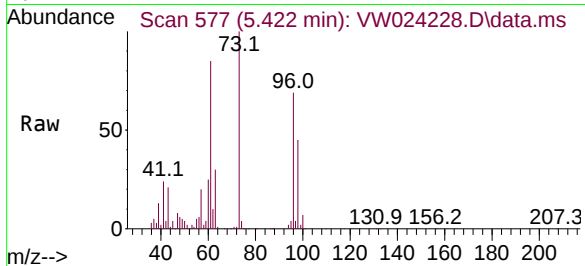




#18  
Methyl tert-butyl Ether  
Concen: 27.489 ug/L  
RT: 5.422 min Scan# 578  
Delta R.T. -0.006 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

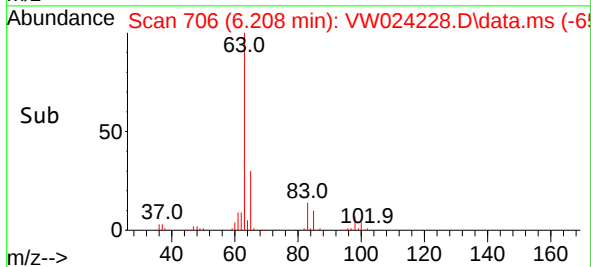
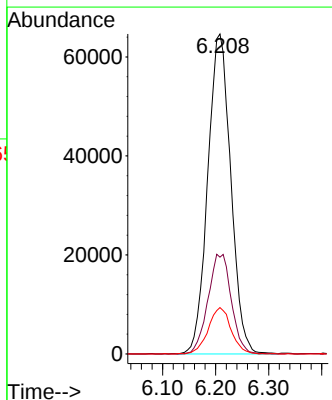
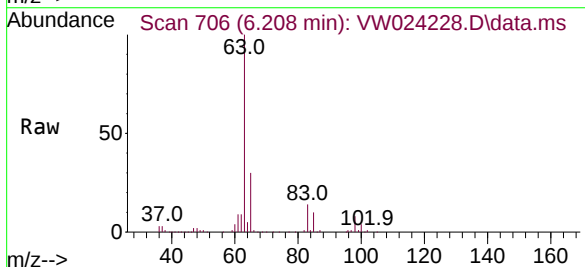
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

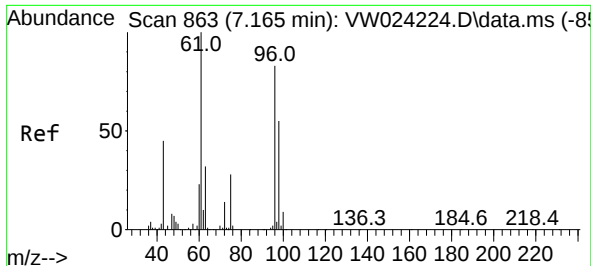
Tgt Ion: 73 Resp: 160807  
Ion Ratio Lower Upper  
73 100  
43 21.4 16.6 24.8  
57 22.0 17.6 26.4



#19  
1,1-Dichloroethane  
Concen: 27.003 ug/L  
RT: 6.208 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 63 Resp: 195140  
Ion Ratio Lower Upper  
63 100  
65 30.2 22.0 41.0  
83 14.5 9.2 17.0

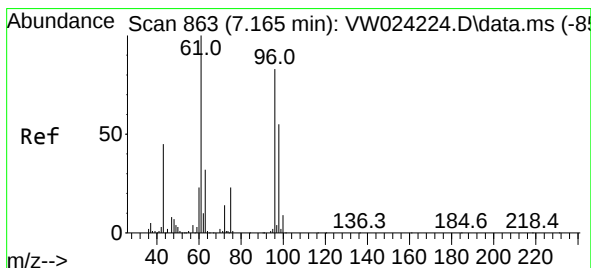
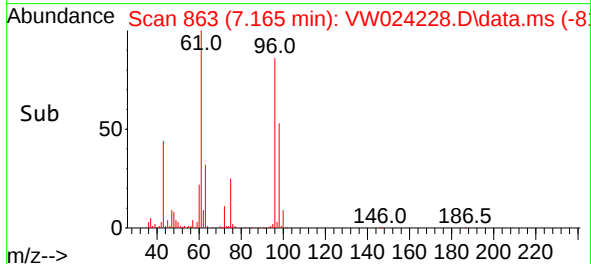
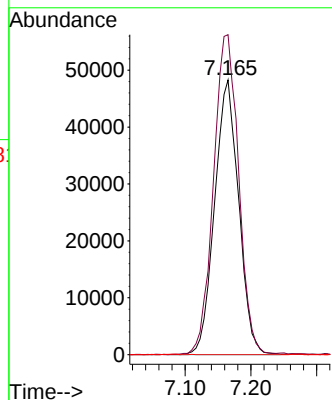
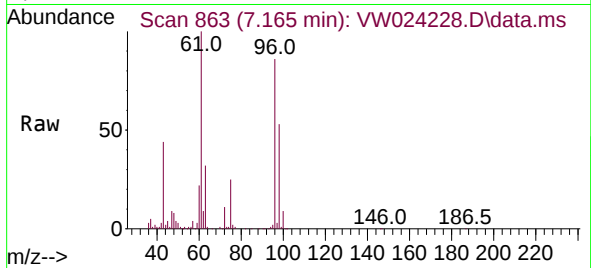




#20  
 cis-1,2-Dichloroethene  
 Concen: 27.293 ug/L  
 RT: 7.165 min Scan# 863  
 Delta R.T. 0.000 min  
 Lab File: VW024228.D  
 Acq: 11 Aug 2022 13:38

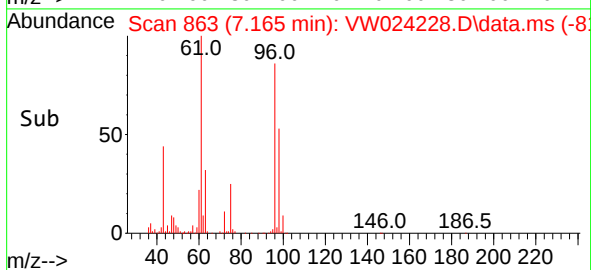
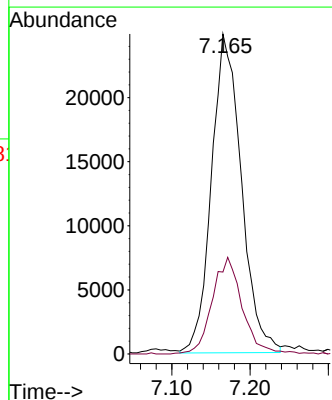
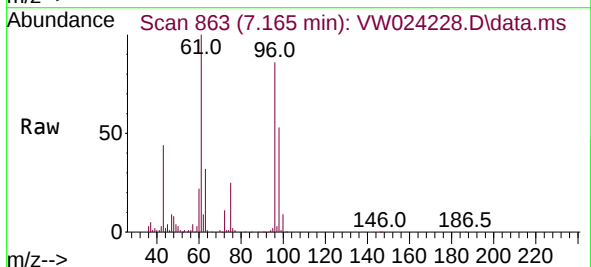
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025531

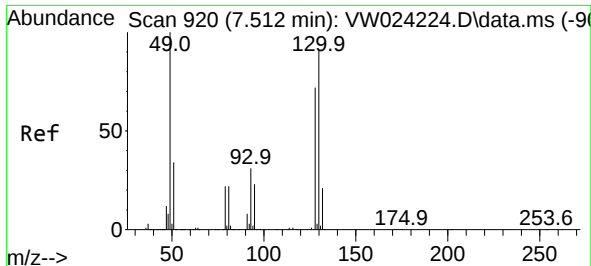
Tgt Ion: 96 Resp: 122968  
 Ion Ratio Lower Upper  
 96 100  
 61 116.5 89.5 166.3  
 68 0.0 0.1 0.1#



#22  
 2-Butanone  
 Concen: 46.213 ug/L  
 RT: 7.165 min Scan# 863  
 Delta R.T. 0.000 min  
 Lab File: VW024228.D  
 Acq: 11 Aug 2022 13:38

Tgt Ion: 43 Resp: 65882  
 Ion Ratio Lower Upper  
 43 100  
 72 30.2 14.3 42.9

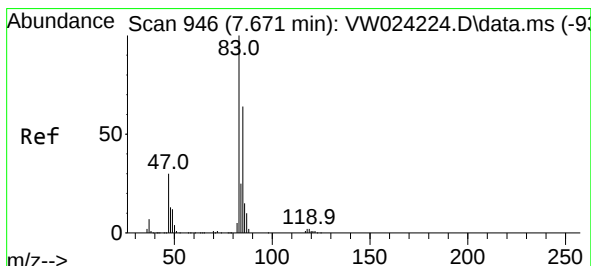
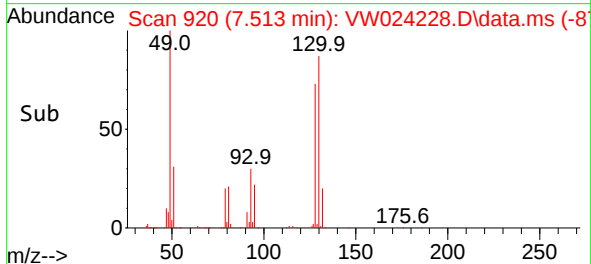
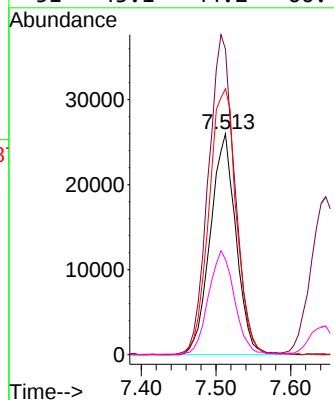
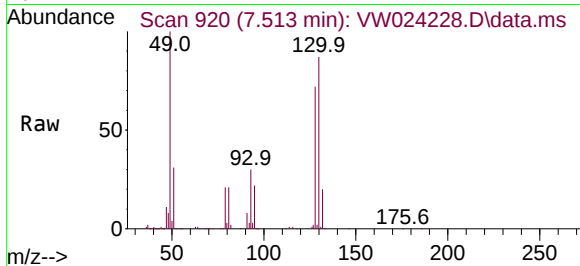




#23  
Bromochloromethane  
Concen: 27.610 ug/L  
RT: 7.513 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

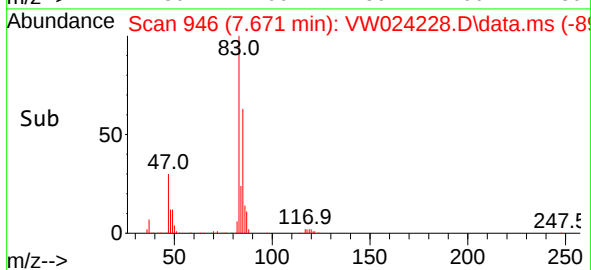
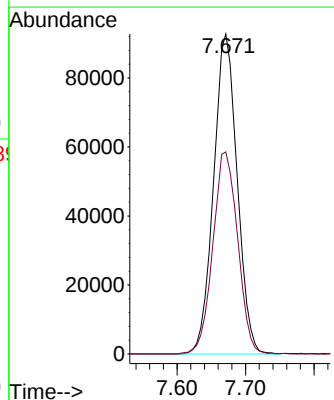
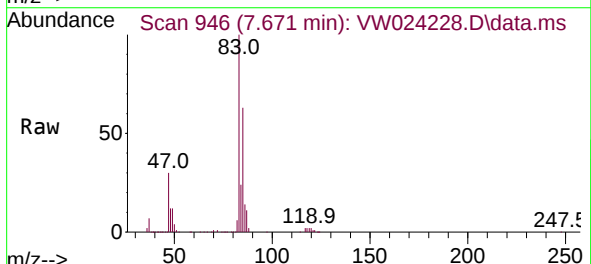
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

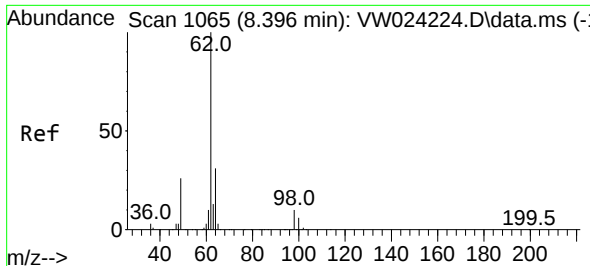
Tgt Ion:128 Resp: 61951  
Ion Ratio Lower Upper  
128 100  
49 138.2 106.6 198.0  
130 120.3 88.1 163.5  
51 43.1 44.2 66.4#



#25  
Chloroform  
Concen: 27.830 ug/L  
RT: 7.671 min Scan# 946  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 83 Resp: 221613  
Ion Ratio Lower Upper  
83 100  
85 63.1 42.9 79.7





#27

1,2-Dichloroethane

Concen: 27.270 ug/L

RT: 8.397 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

Instrument :

MSVOA\_W

ClientSampleId :

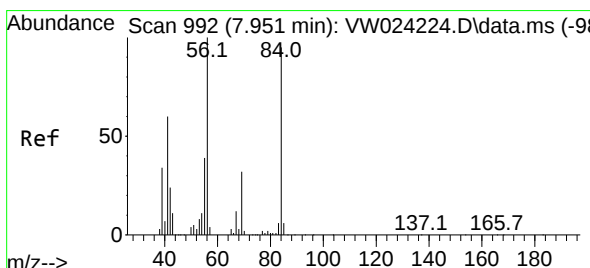
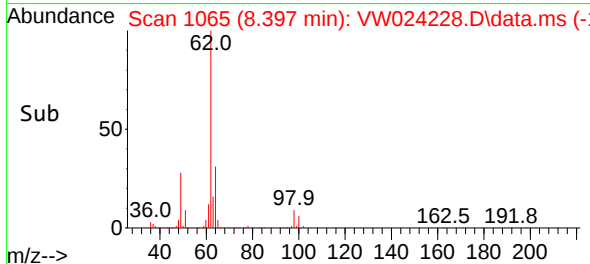
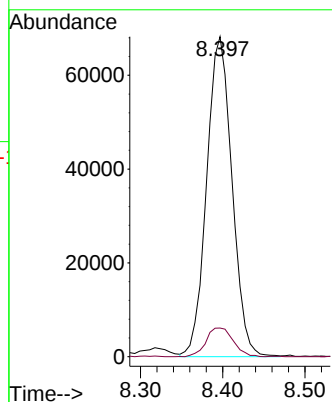
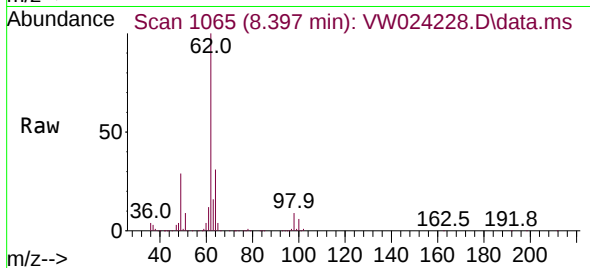
VSTD025531

Tgt Ion: 62 Resp: 146126

Ion Ratio Lower Upper

62 100

98 9.0 7.4 11.0



#29

Cyclohexane

Concen: 26.202 ug/L

RT: 7.952 min Scan# 992

Delta R.T. 0.000 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

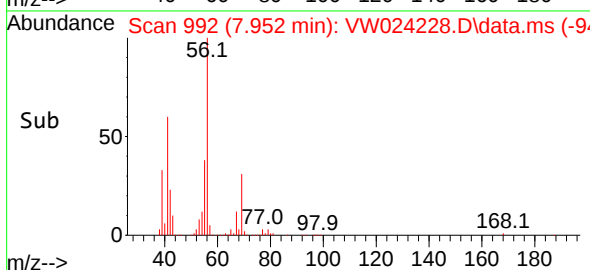
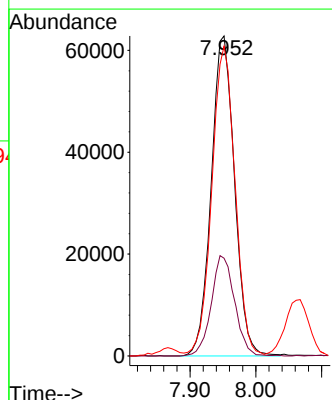
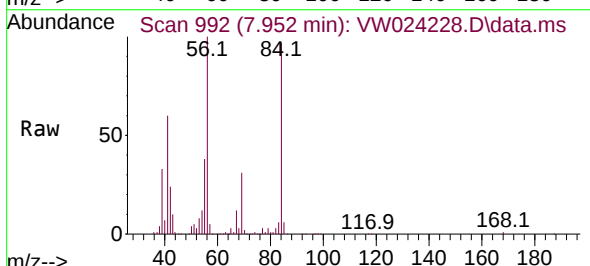
Tgt Ion: 56 Resp: 155056

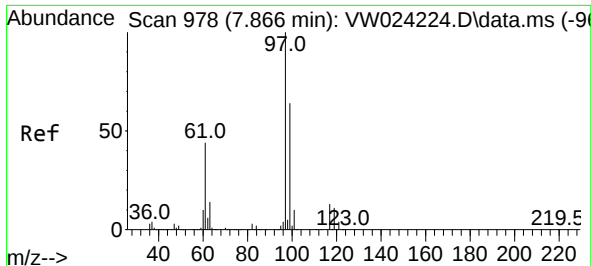
Ion Ratio Lower Upper

56 100

69 31.3 24.5 36.7

84 96.6 75.5 113.3

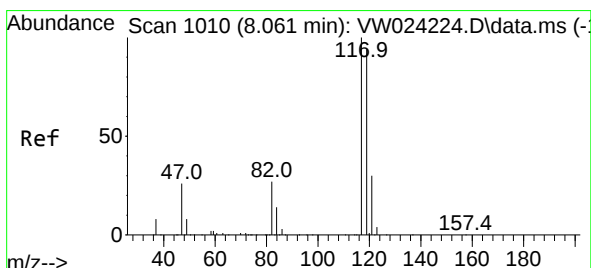
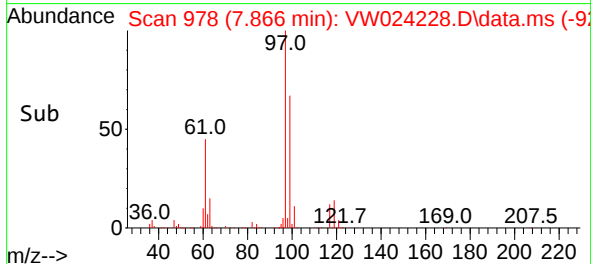
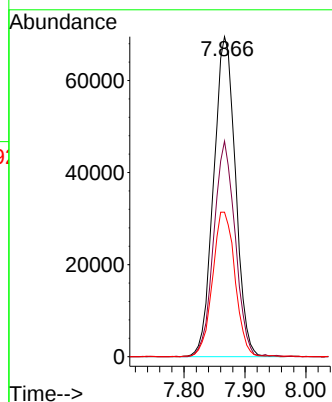
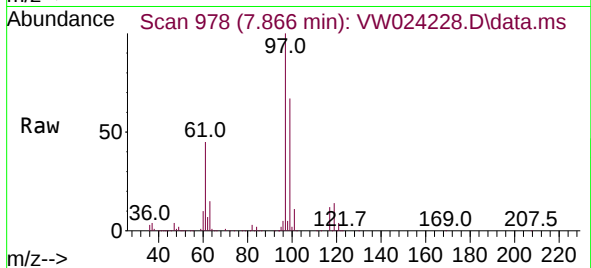




#30  
1,1,1-Trichloroethane  
Concen: 26.610 ug/L  
RT: 7.866 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

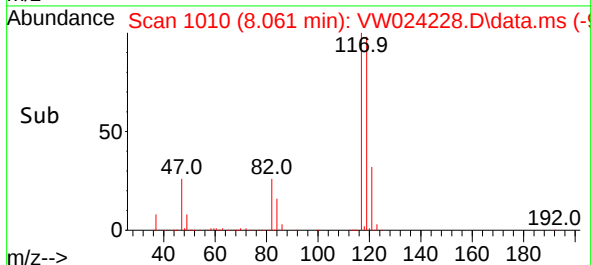
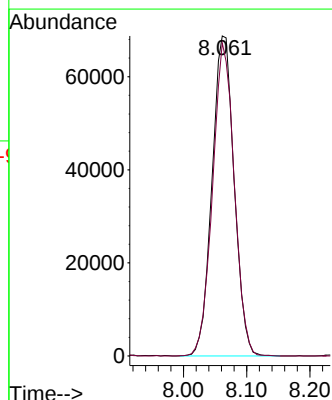
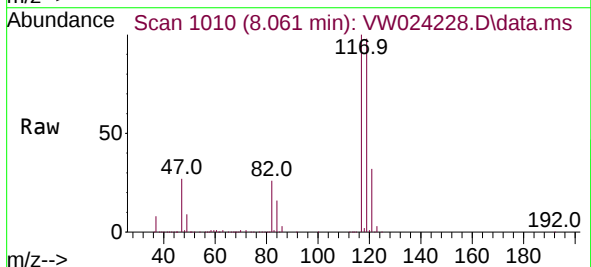
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

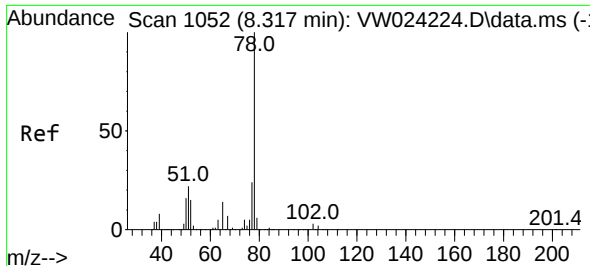
Tgt Ion: 97 Resp: 173216  
Ion Ratio Lower Upper  
97 100  
99 65.8 51.0 76.6  
61 45.9 36.2 54.2



#31  
Carbon tetrachloride  
Concen: 27.160 ug/L  
RT: 8.061 min Scan# 1010  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 117 Resp: 166791  
Ion Ratio Lower Upper  
117 100  
119 96.0 77.8 116.8

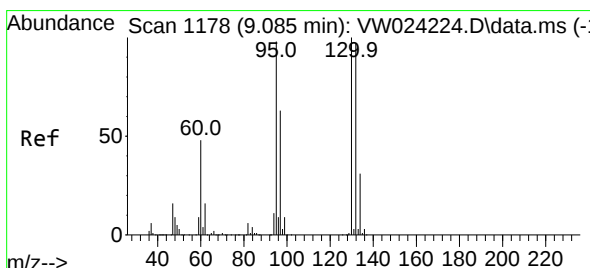
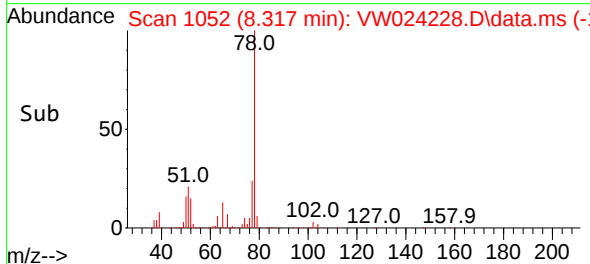
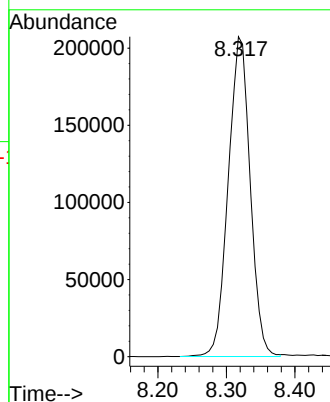
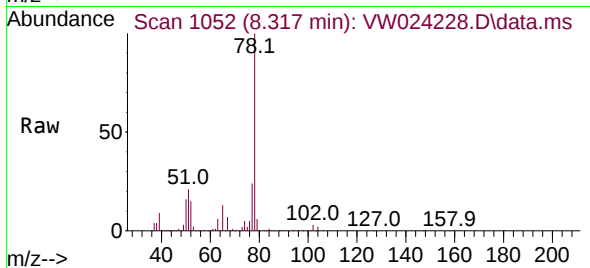




#33  
Benzene  
Concen: 27.085 ug/L  
RT: 8.317 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

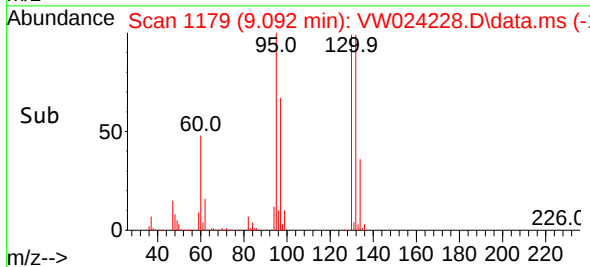
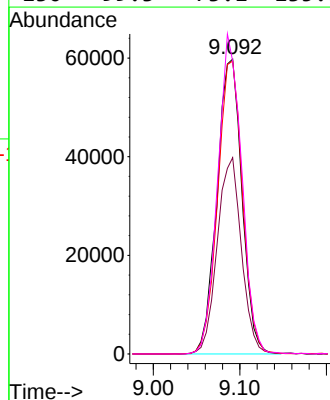
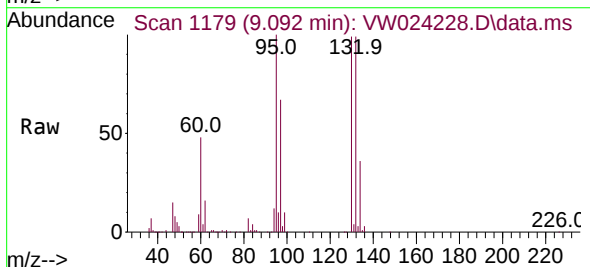
Tgt Ion: 78 Resp: 461747

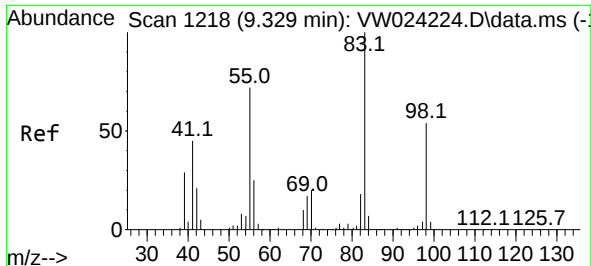


#34  
Trichloroethene  
Concen: 26.534 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.006 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 95 Resp: 119567

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.6  | 41.6  | 77.2  |
| 132 | 99.4  | 67.0  | 124.4 |
| 130 | 99.3  | 73.1  | 135.8 |





#35

Methylcyclohexane

Concen: 26.579 ug/L

RT: 9.329 min Scan# 1218

Delta R.T. 0.000 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025531

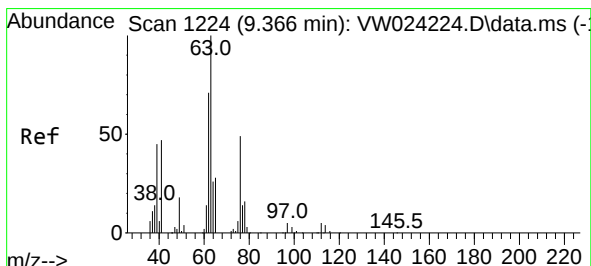
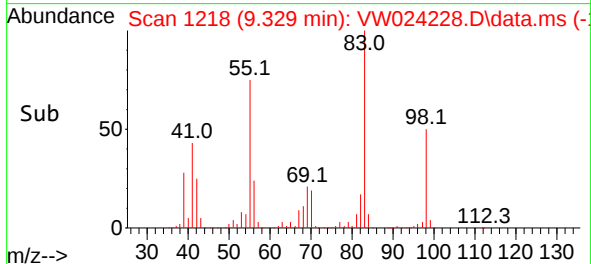
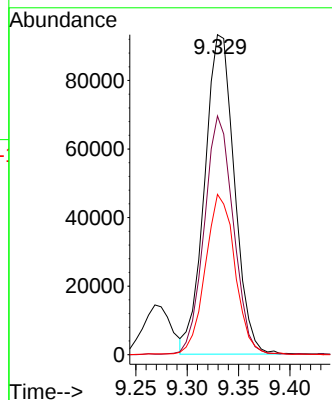
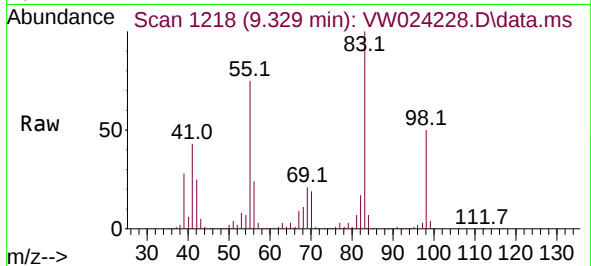
Tgt Ion: 83 Resp: 187815

Ion Ratio Lower Upper

83 100

55 73.2 59.1 88.7

98 49.9 40.8 61.2



#37

1,2-Dichloropropane

Concen: 28.006 ug/L

RT: 9.366 min Scan# 1224

Delta R.T. 0.000 min

Lab File: VW024228.D

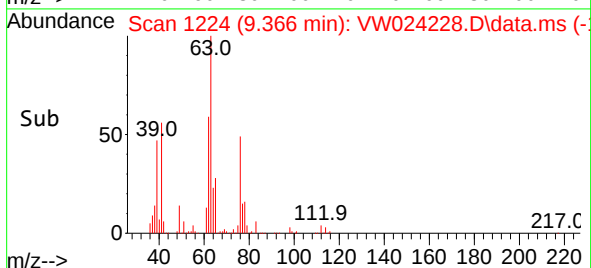
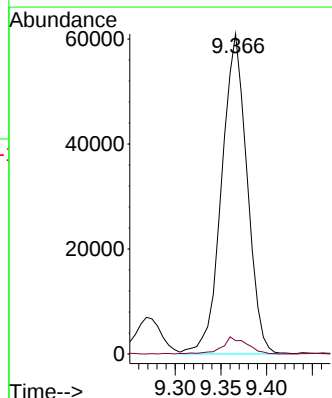
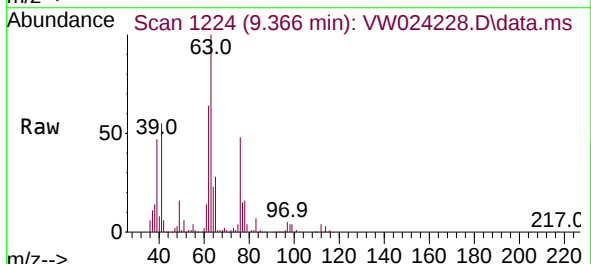
Acq: 11 Aug 2022 13:38

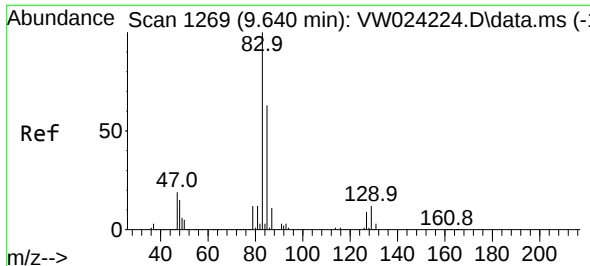
Tgt Ion: 63 Resp: 118024

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.6

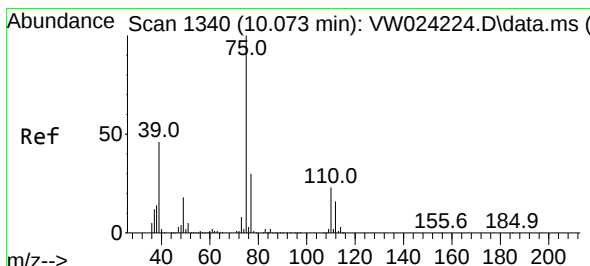
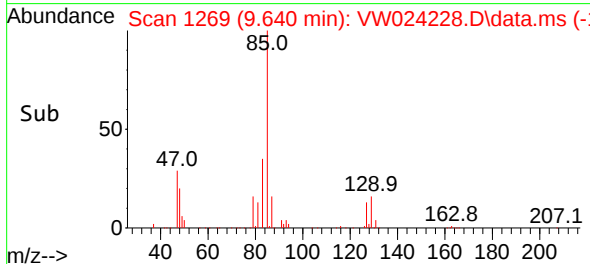
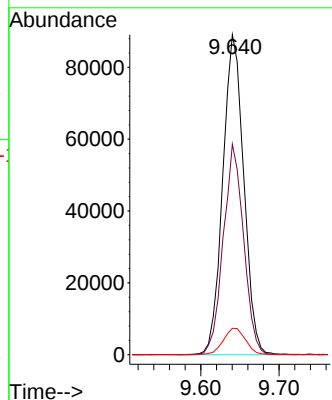
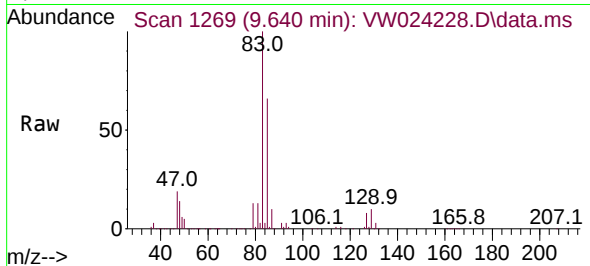




#38  
Bromodichloromethane  
Concen: 28.058 ug/L  
RT: 9.640 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

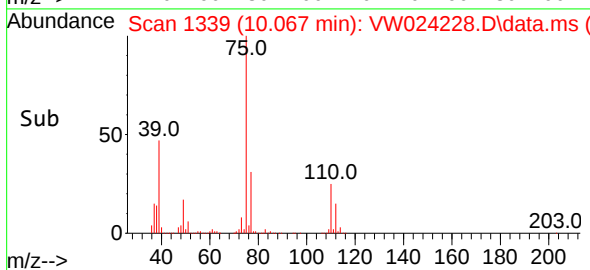
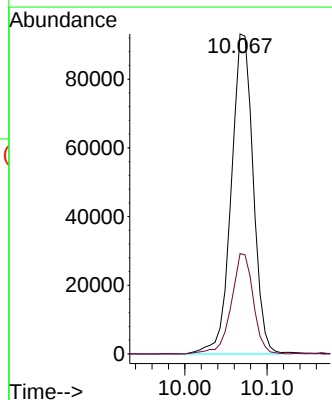
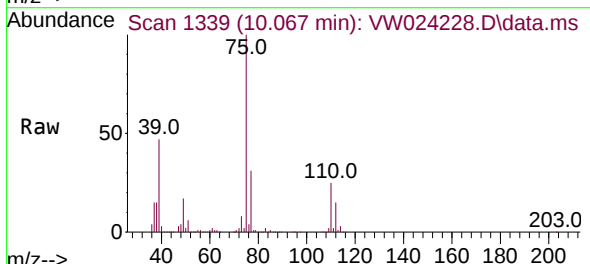
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

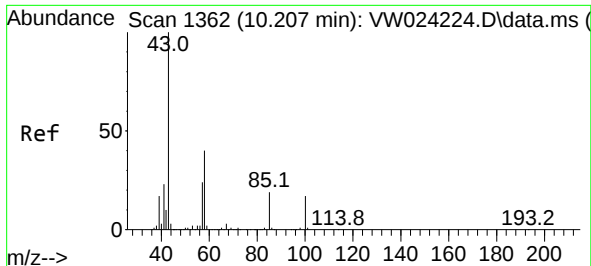
Tgt Ion: 83 Resp: 165842  
Ion Ratio Lower Upper  
83 100  
85 65.8 43.7 81.1  
127 8.2 6.9 10.3



#39  
cis-1,3-Dichloropropene  
Concen: 27.857 ug/L  
RT: 10.067 min Scan# 1339  
Delta R.T. -0.006 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 75 Resp: 172712  
Ion Ratio Lower Upper  
75 100  
77 31.3 23.4 43.6





#40

4-Methyl-2-pentanone

Concen: 54.457 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025531

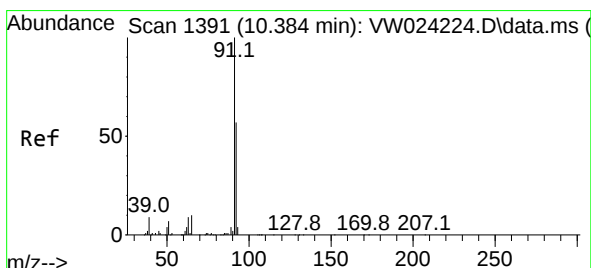
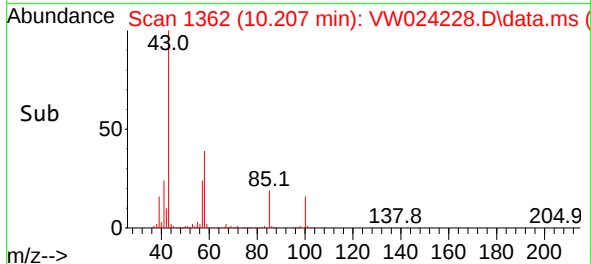
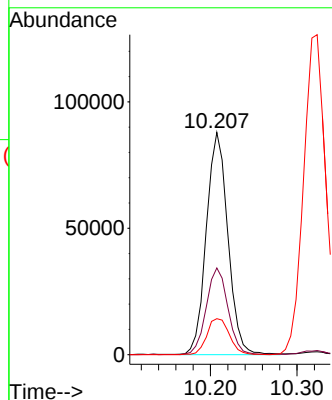
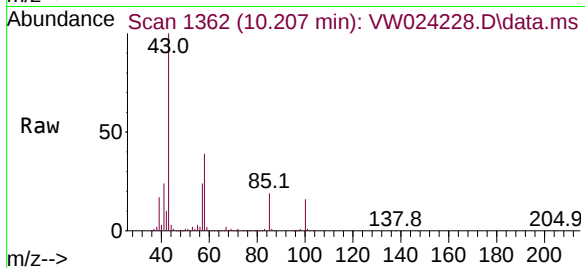
Tgt Ion: 43 Resp: 152310

Ion Ratio Lower Upper

43 100

58 39.2 30.5 45.7

100 16.9 13.8 20.6



#42

Toluene

Concen: 28.032 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW024228.D

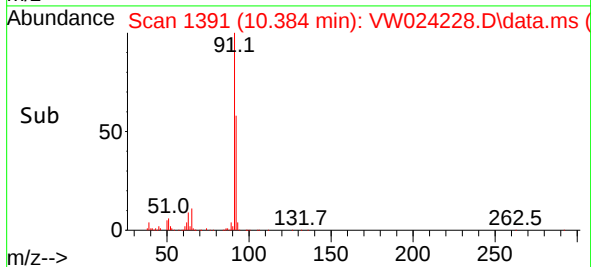
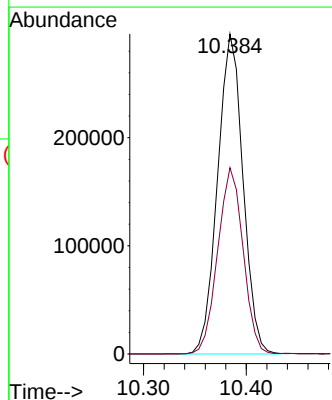
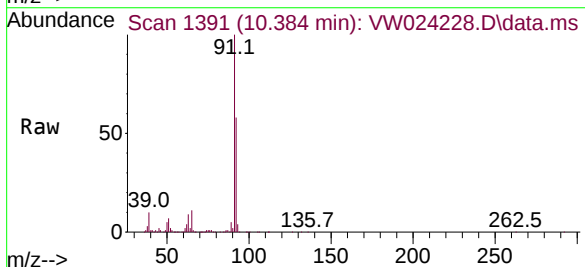
Acq: 11 Aug 2022 13:38

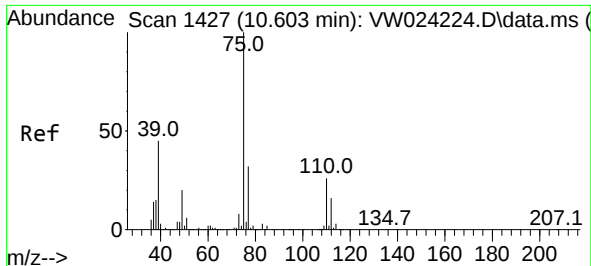
Tgt Ion: 91 Resp: 507833

Ion Ratio Lower Upper

91 100

92 58.2 41.4 77.0

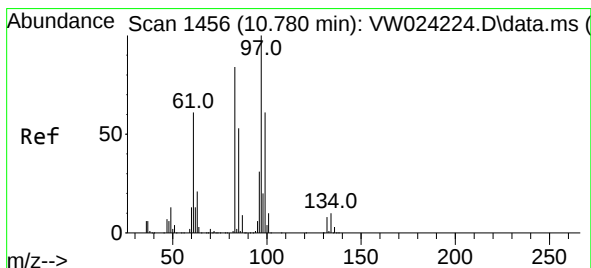
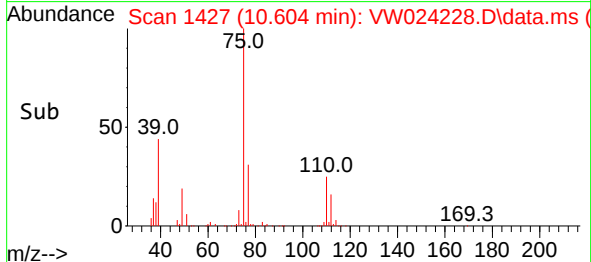
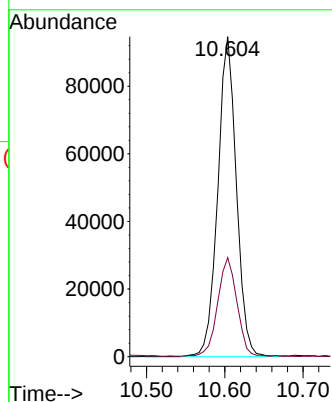
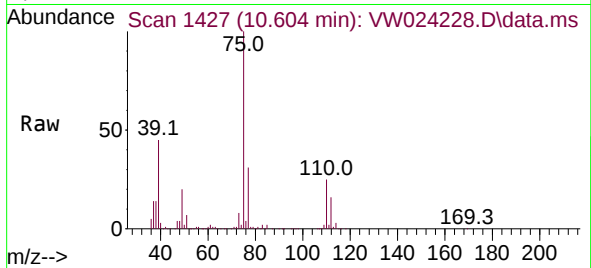




#44  
trans-1,3-Dichloropropene  
Concen: 27.624 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

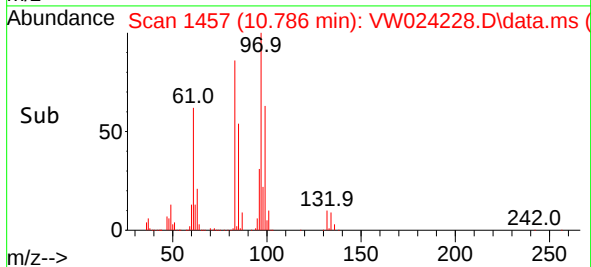
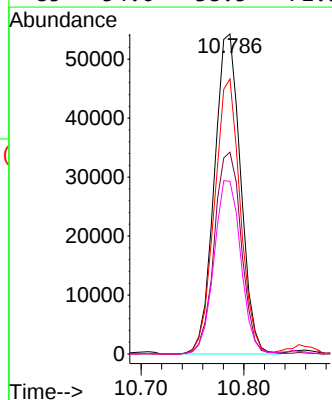
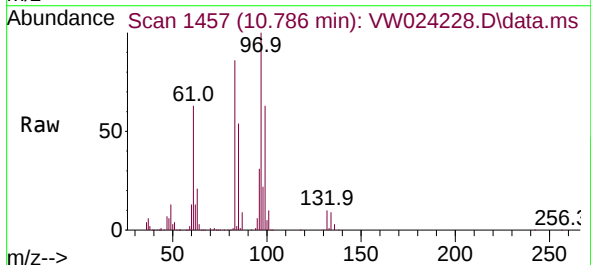
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

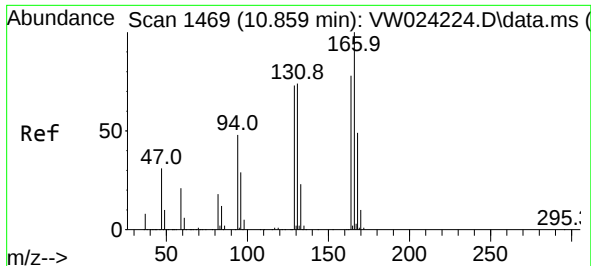
Tgt Ion: 75 Resp: 156495  
Ion Ratio Lower Upper  
75 100  
77 31.0 22.4 41.6



#45  
1,1,2-Trichloroethane  
Concen: 27.168 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.006 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 97 Resp: 96501  
Ion Ratio Lower Upper  
97 100  
99 63.1 43.8 81.3  
83 85.9 56.4 104.7  
85 54.0 38.5 71.5

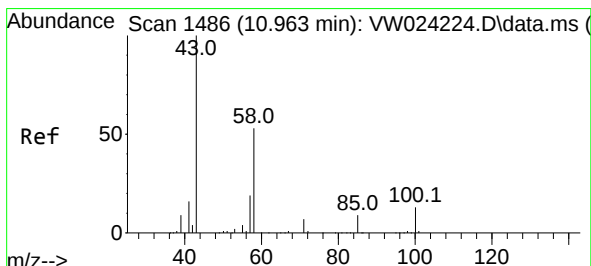
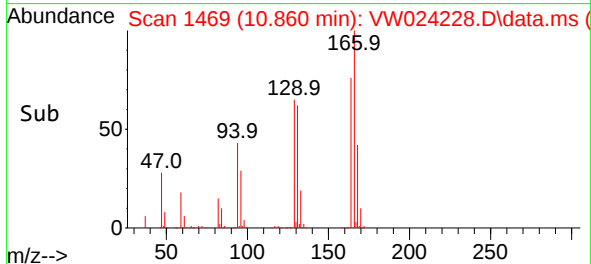
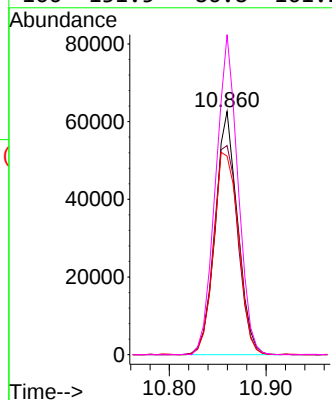
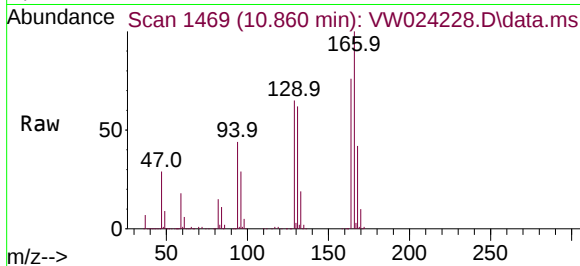




#46  
Tetrachloroethene  
Concen: 27.511 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

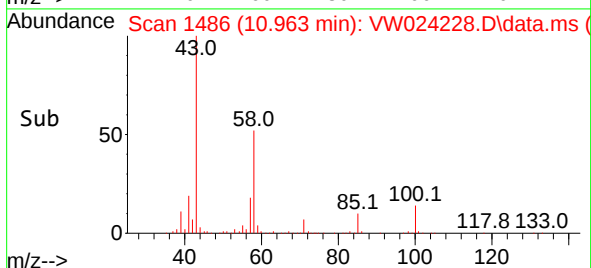
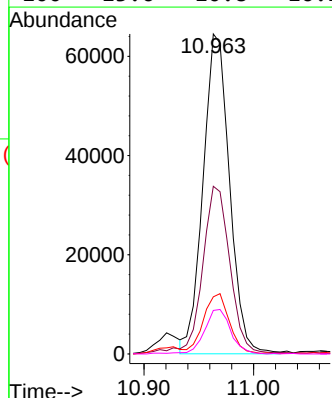
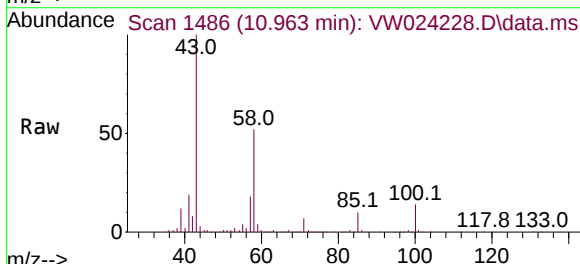
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

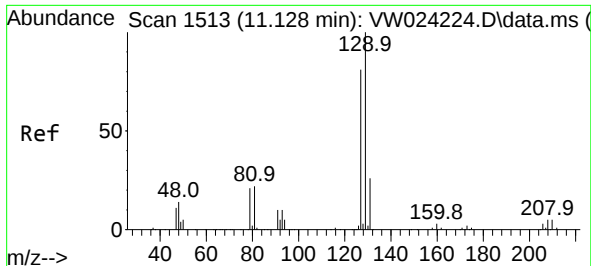
Tgt Ion:164 Resp: 100359  
Ion Ratio Lower Upper  
164 100  
129 86.0 63.1 117.3  
131 81.6 63.9 118.7  
166 131.5 86.8 161.2



#48  
2-Hexanone  
Concen: 57.044 ug/L  
RT: 10.963 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 43 Resp: 108275  
Ion Ratio Lower Upper  
43 100  
58 54.7 43.4 65.0  
57 18.4 15.0 22.4  
100 13.6 10.8 16.2





#49

Dibromochloromethane

Concen: 28.539 ug/L

RT: 11.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

Instrument :

MSVOA\_W

ClientSampleId :

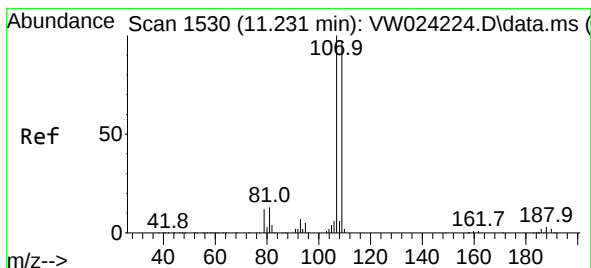
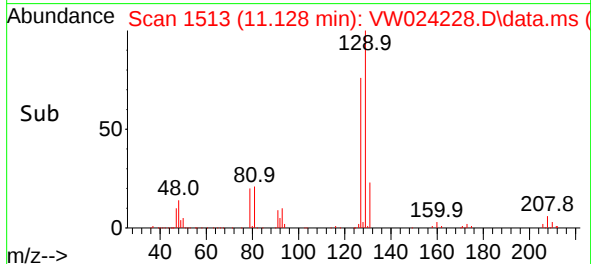
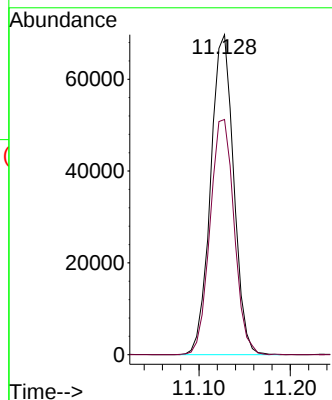
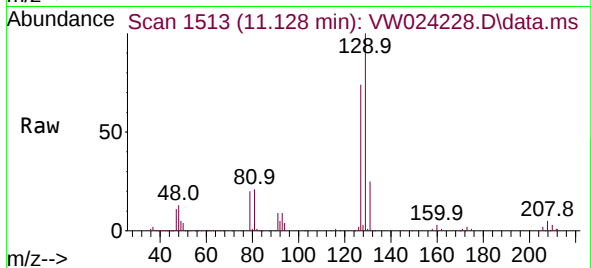
VSTD025531

Tgt Ion:129 Resp: 122038

Ion Ratio Lower Upper

129 100

127 73.5 52.3 97.1



#50

1,2-Dibromoethane

Concen: 27.692 ug/L

RT: 11.232 min Scan# 1530

Delta R.T. 0.000 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

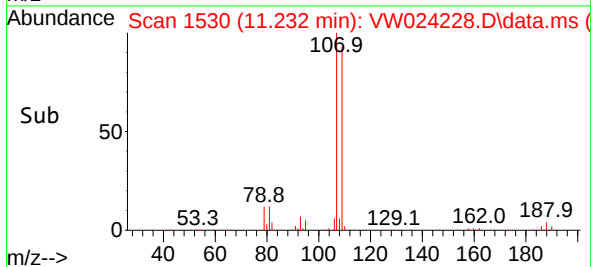
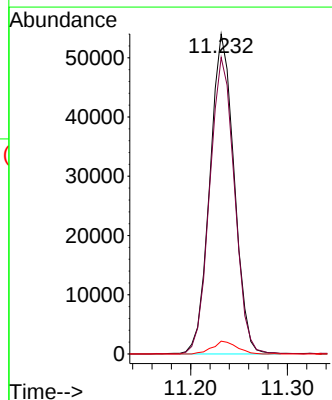
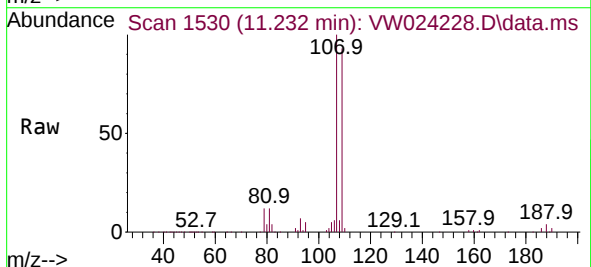
Tgt Ion:107 Resp: 94242

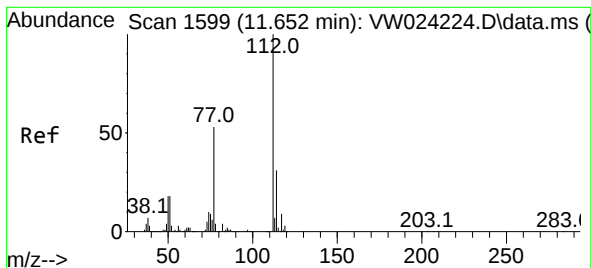
Ion Ratio Lower Upper

107 100

109 92.6 64.0 119.0

188 4.0 3.1 4.7

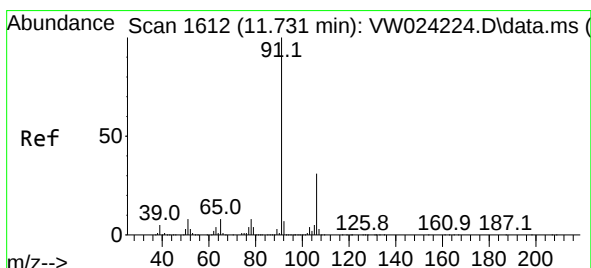
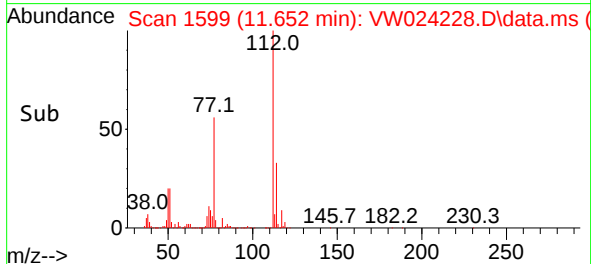
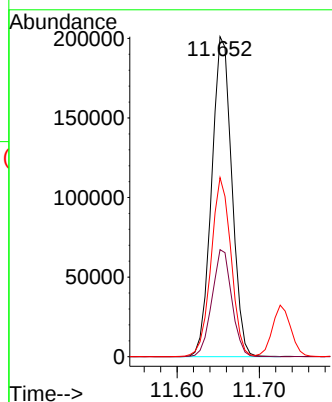
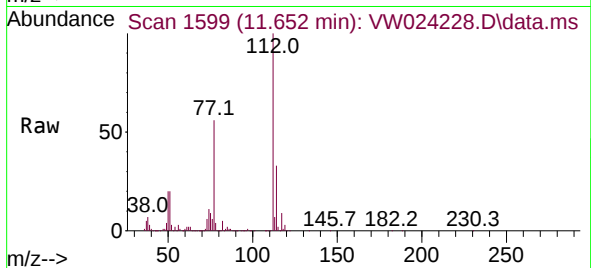




#51  
Chlorobenzene  
Concen: 27.703 ug/L  
RT: 11.652 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

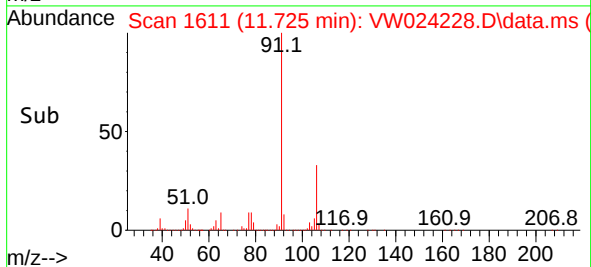
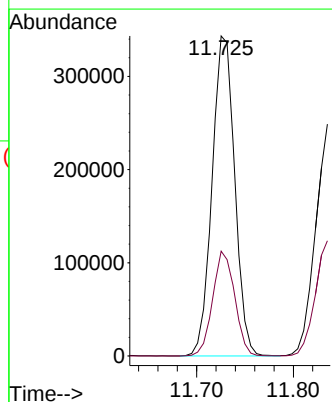
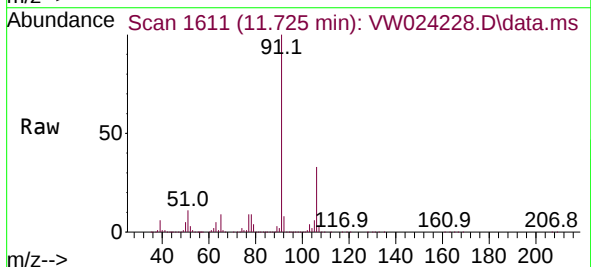
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

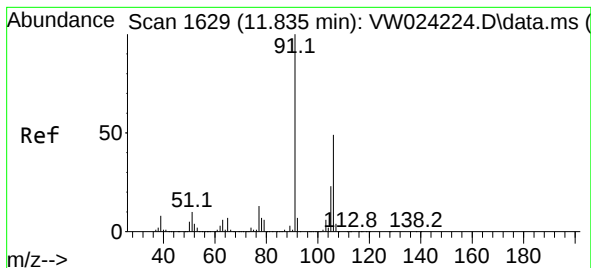
Tgt Ion:112 Resp: 342898  
Ion Ratio Lower Upper  
112 100  
114 33.4 20.7 38.5  
77 55.9 41.4 62.2



#52  
Ethylbenzene  
Concen: 28.143 ug/L  
RT: 11.725 min Scan# 1611  
Delta R.T. -0.006 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 91 Resp: 558587  
Ion Ratio Lower Upper  
91 100  
106 32.7 21.9 40.7





#53

m,p-Xylene

Concen: 29.322 ug/L

RT: 11.835 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

Instrument :

MSVOA\_W

ClientSampleId :

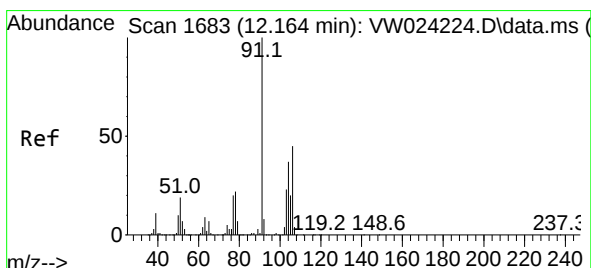
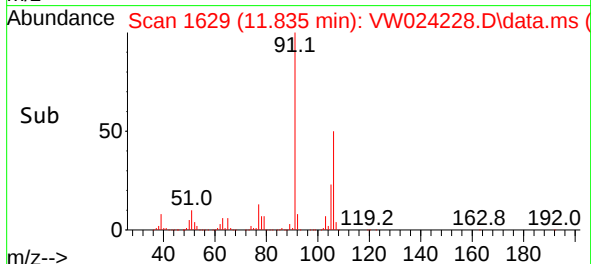
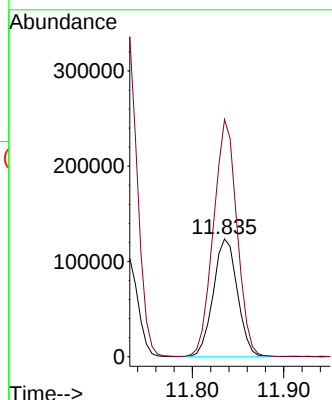
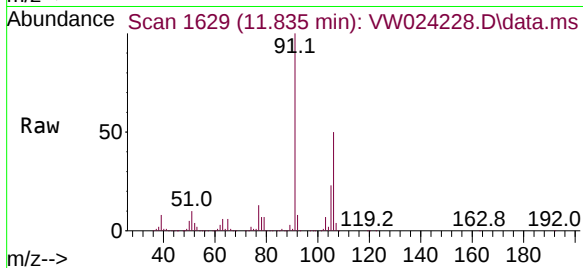
VSTD025531

Tgt Ion:106 Resp: 226550

Ion Ratio Lower Upper

106 100

91 201.2 144.1 267.7



#54

o-Xylene

Concen: 29.906 ug/L

RT: 12.164 min Scan# 1683

Delta R.T. 0.000 min

Lab File: VW024228.D

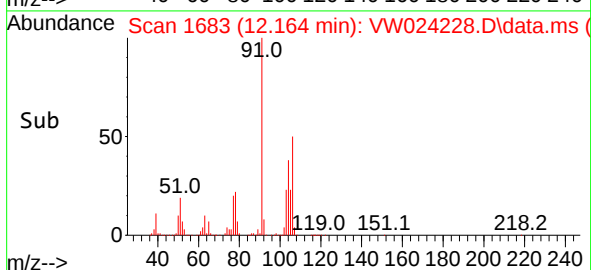
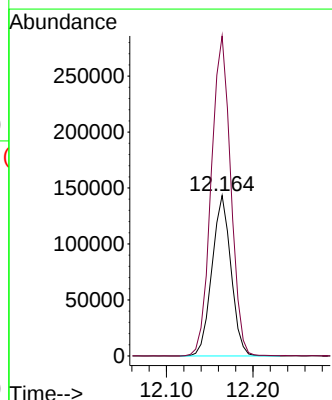
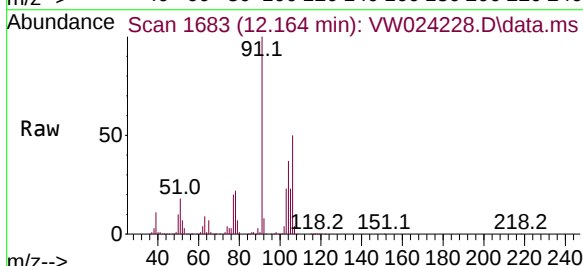
Acq: 11 Aug 2022 13:38

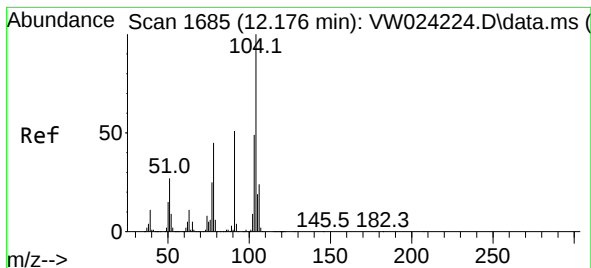
Tgt Ion:106 Resp: 218285

Ion Ratio Lower Upper

106 100

91 199.5 150.9 280.3





#55

Styrene

Concen: 30.348 ug/L

RT: 12.176 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

Instrument :

MSVOA\_W

ClientSampleId :

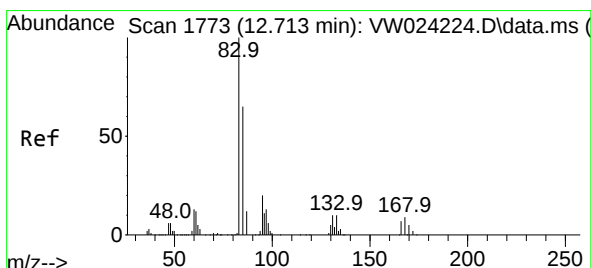
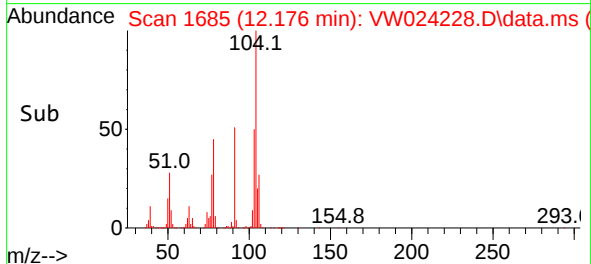
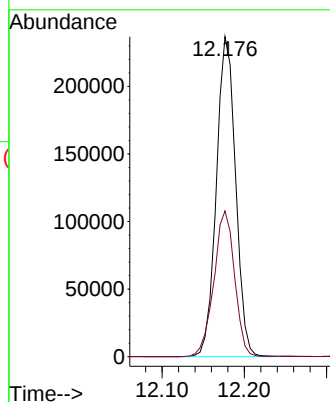
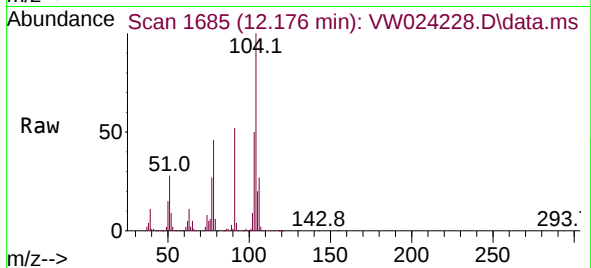
VSTD025531

Tgt Ion:104 Resp: 385258

Ion Ratio Lower Upper

104 100

78 45.5 31.1 57.7



#57

1,1,2,2-Tetrachloroethane

Concen: 27.266 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

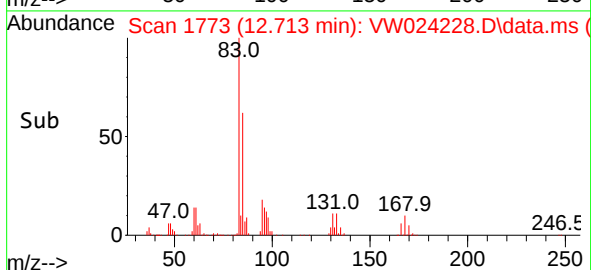
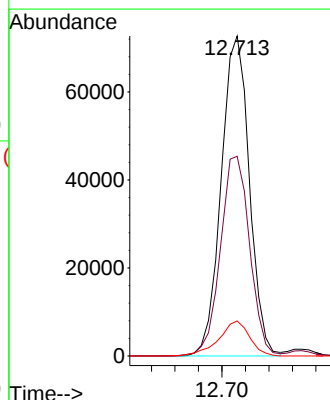
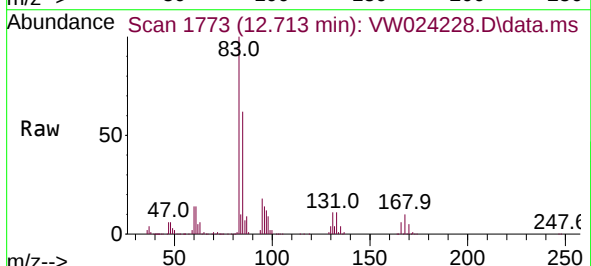
Tgt Ion: 83 Resp: 121037

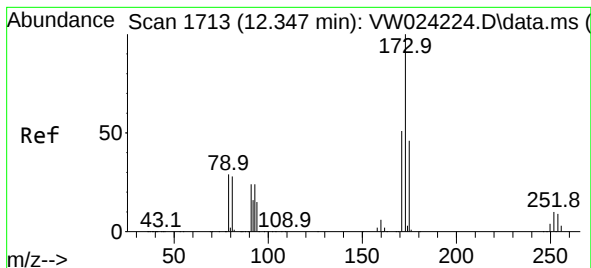
Ion Ratio Lower Upper

83 100

85 62.4 44.1 81.9

131 10.9 8.3 12.5





#59

Bromoform

Concen: 26.120 ug/L

RT: 12.347 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025531

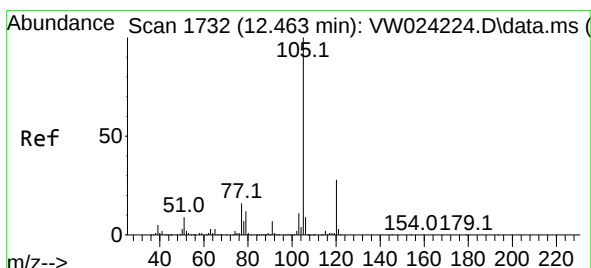
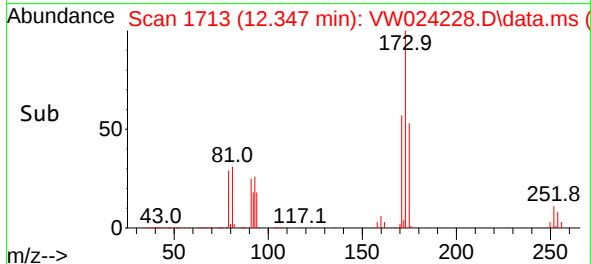
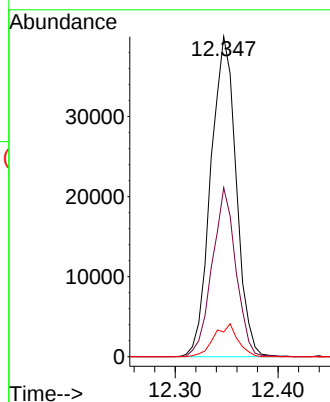
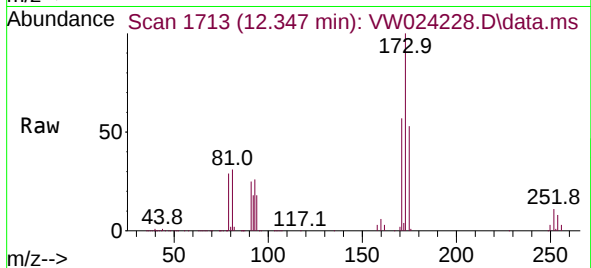
Tgt Ion:173 Resp: 68655

Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.6

254 9.6 6.8 10.2



#60

Isopropylbenzene

Concen: 27.592 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

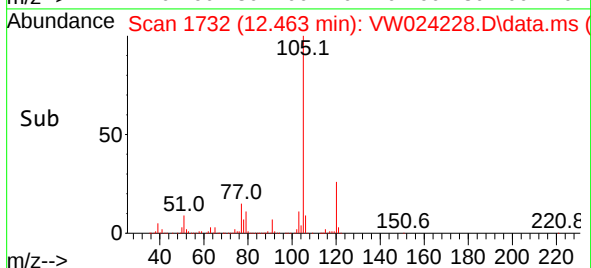
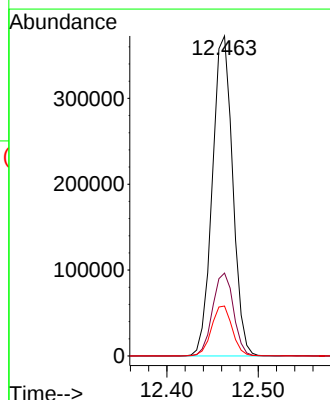
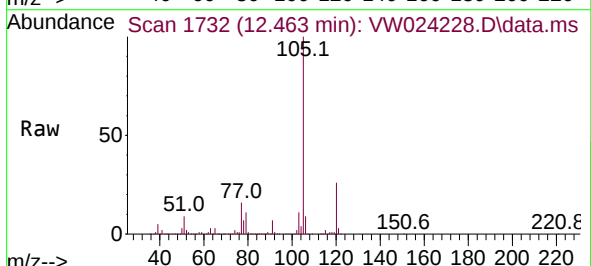
Tgt Ion:105 Resp: 575576

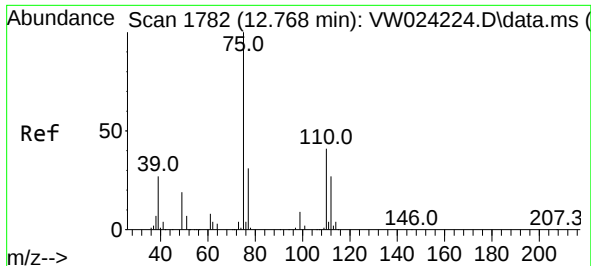
Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

77 15.9 12.4 18.6

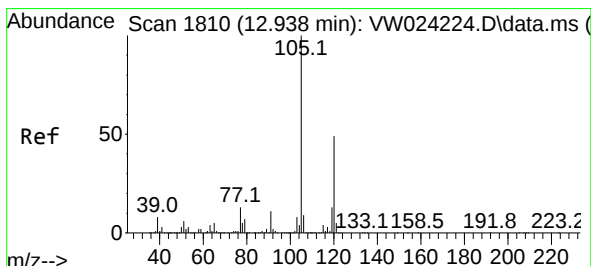
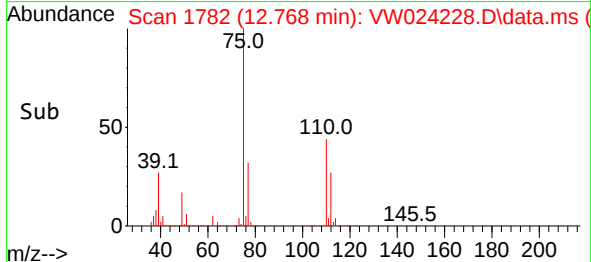
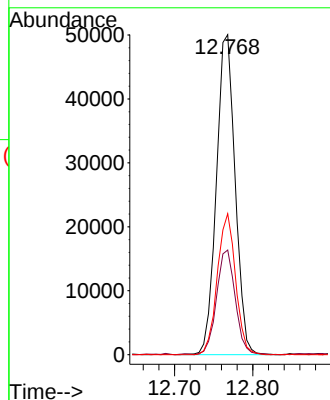
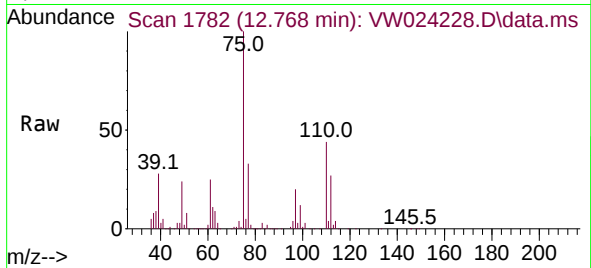




#61  
1,2,3-Trichloropropane  
Concen: 24.317 ug/L  
RT: 12.768 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

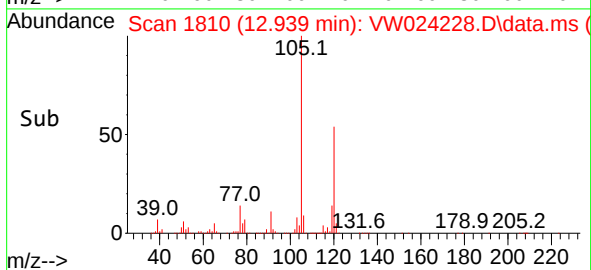
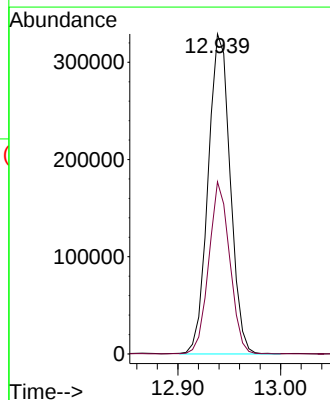
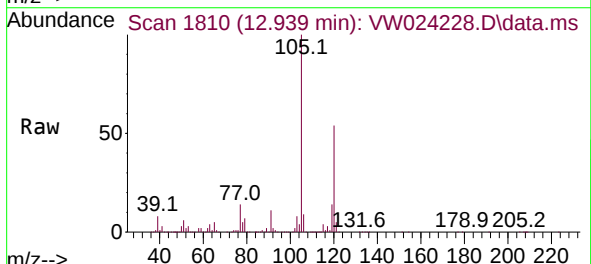
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

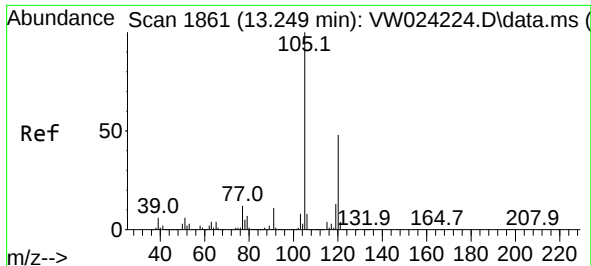
Tgt Ion: 75 Resp: 83390  
Ion Ratio Lower Upper  
75 100  
77 32.7 26.2 39.4  
110 42.8 33.6 50.4



#62  
1,3,5-Trimethylbenzene  
Concen: 28.523 ug/L  
RT: 12.939 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 105 Resp: 491688  
Ion Ratio Lower Upper  
105 100  
120 50.9 39.7 59.5

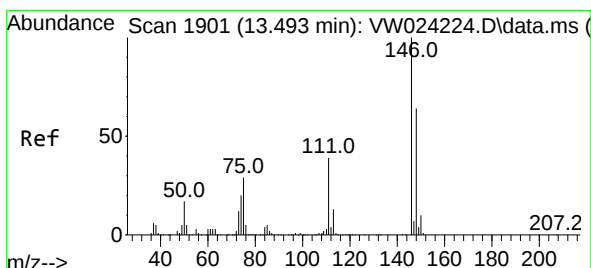
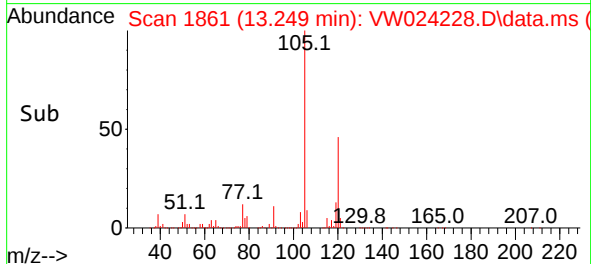
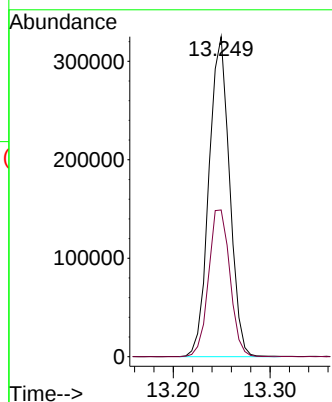
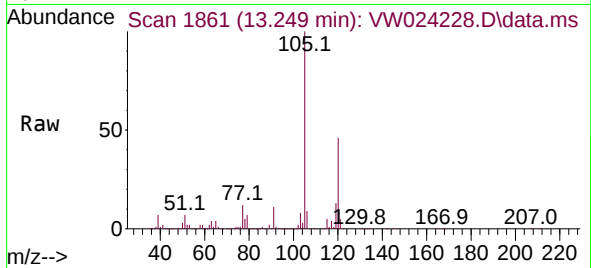




#63  
 1,2,4-Trimethylbenzene  
 Concen: 28.349 ug/L  
 RT: 13.249 min Scan# 1861  
 Delta R.T. 0.000 min  
 Lab File: VW024228.D  
 Acq: 11 Aug 2022 13:38

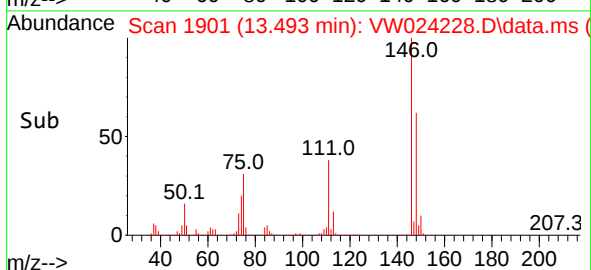
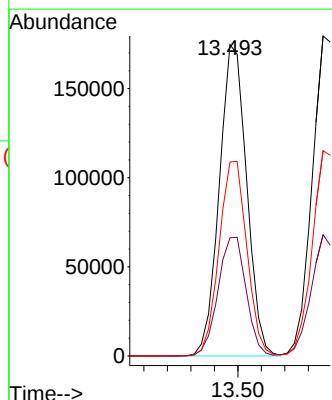
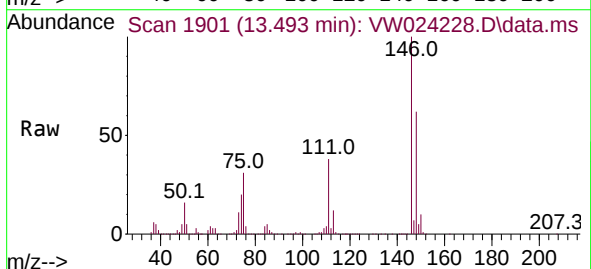
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025531

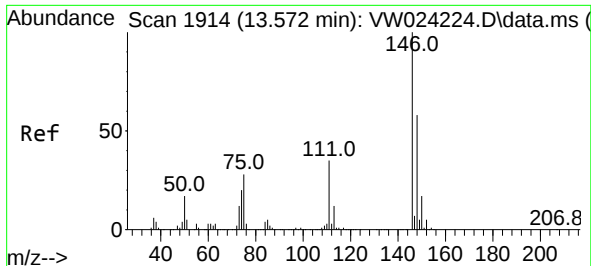
Tgt Ion:105 Resp: 481287  
 Ion Ratio Lower Upper  
 105 100  
 120 47.5 36.4 54.6



#64  
 1,3-Dichlorobenzene  
 Concen: 27.706 ug/L  
 RT: 13.493 min Scan# 1901  
 Delta R.T. 0.000 min  
 Lab File: VW024228.D  
 Acq: 11 Aug 2022 13:38

Tgt Ion:146 Resp: 283014  
 Ion Ratio Lower Upper  
 146 100  
 111 37.9 28.0 52.0  
 148 62.3 46.5 86.3

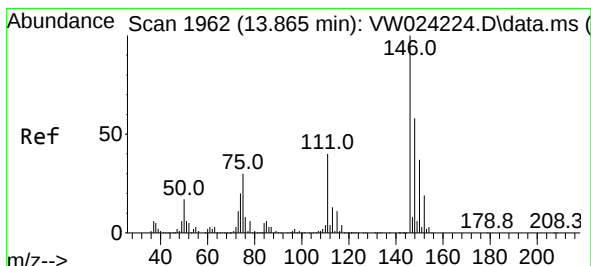
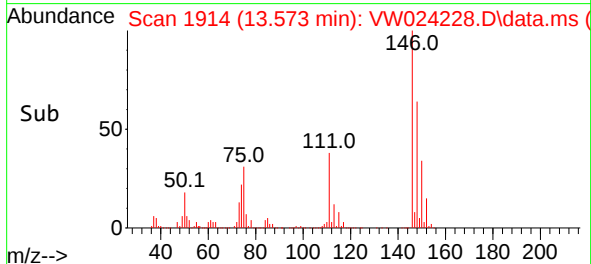
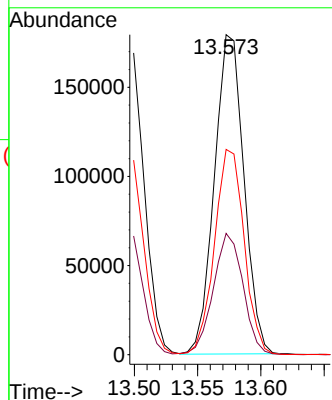
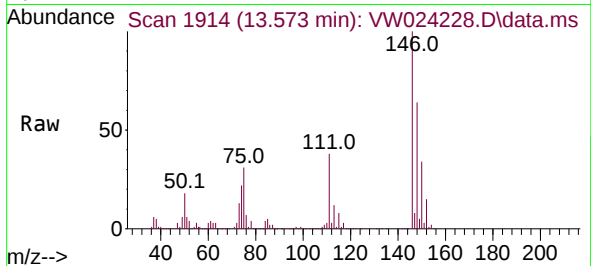




#65  
1,4-Dichlorobenzene  
Concen: 26.907 ug/L  
RT: 13.573 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

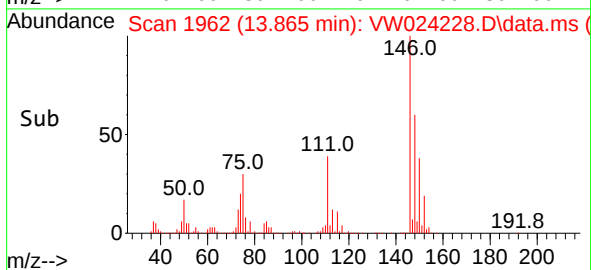
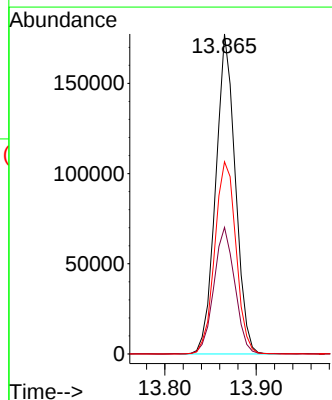
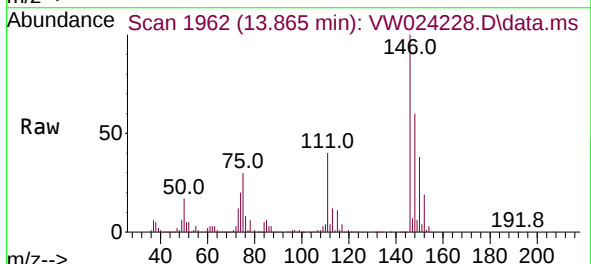
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

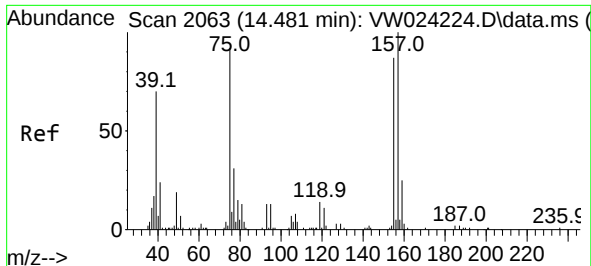
Tgt Ion:146 Resp: 291042  
Ion Ratio Lower Upper  
146 100  
111 37.9 27.6 51.4  
148 64.1 40.5 75.3



#67  
1,2-Dichlorobenzene  
Concen: 27.342 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion:146 Resp: 265217  
Ion Ratio Lower Upper  
146 100  
111 39.6 29.0 43.6  
148 60.1 47.8 71.8

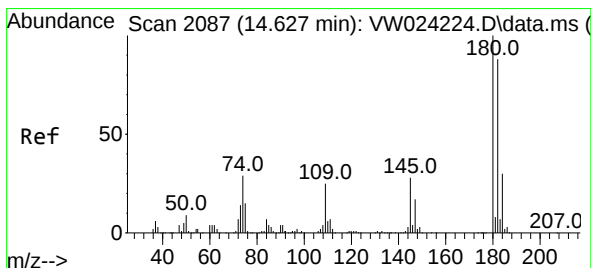
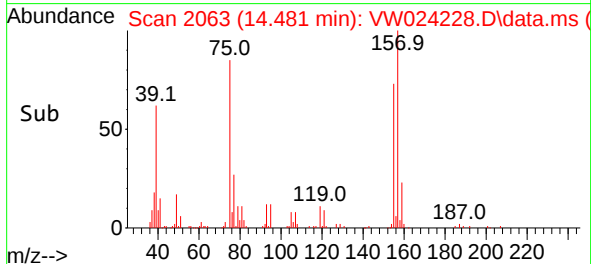
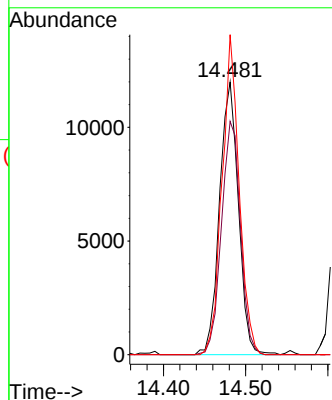
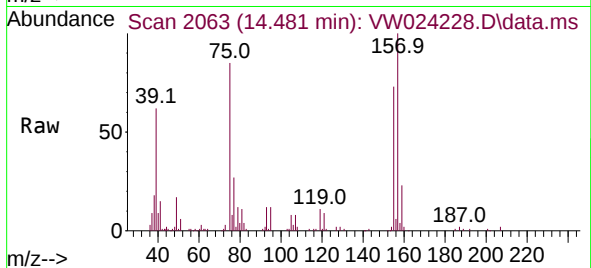




#68  
1,2-Dibromo-3-chloropropane  
Concen: 23.890 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

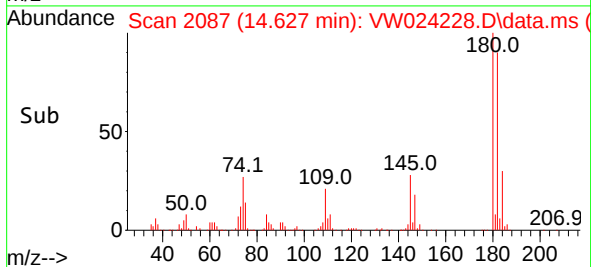
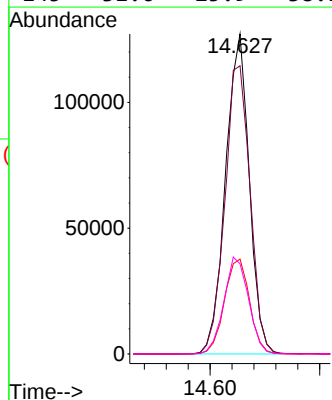
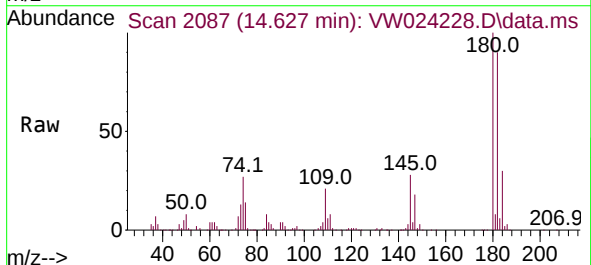
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025531

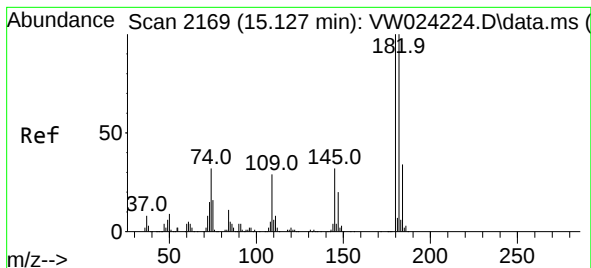
Tgt Ion: 75 Resp: 19141  
Ion Ratio Lower Upper  
75 100  
155 85.6 68.8 103.2  
157 117.4 91.5 137.3



#69  
1,3,5-Trichlorobenzene  
Concen: 28.515 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. 0.000 min  
Lab File: VW024228.D  
Acq: 11 Aug 2022 13:38

Tgt Ion: 180 Resp: 190997  
Ion Ratio Lower Upper  
180 100  
182 95.9 78.4 117.6  
184 31.5 24.7 37.1  
145 31.6 25.9 38.9





#70

1,2,4-trichlorobenzene

Concen: 28.190 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025531

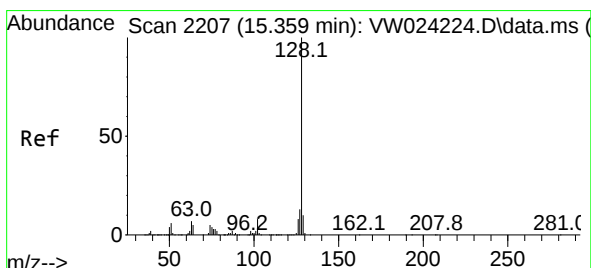
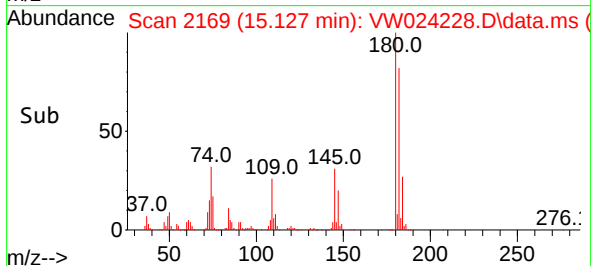
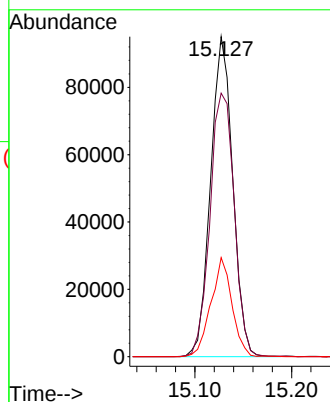
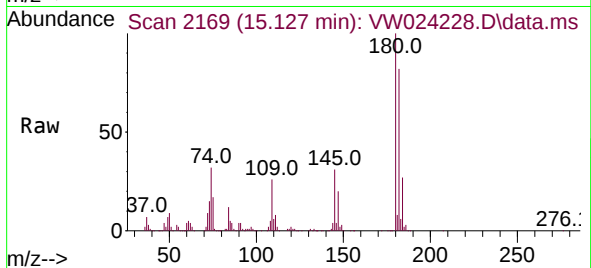
Tgt Ion:180 Resp: 151217

Ion Ratio Lower Upper

180 100

182 90.0 75.0 112.4

145 29.4 25.1 37.7



#71

Naphthalene

Concen: 30.475 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. 0.006 min

Lab File: VW024228.D

Acq: 11 Aug 2022 13:38

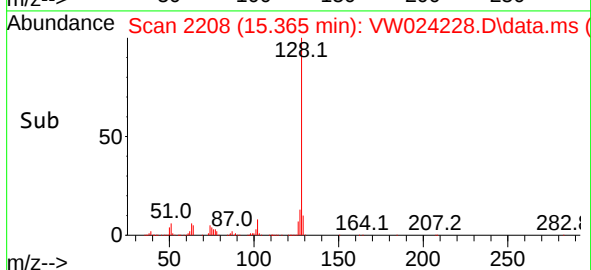
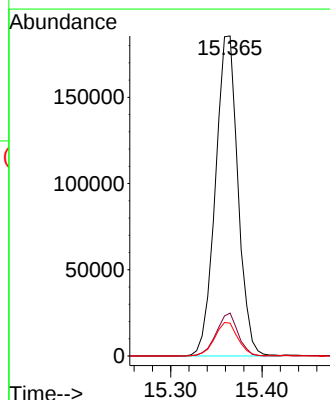
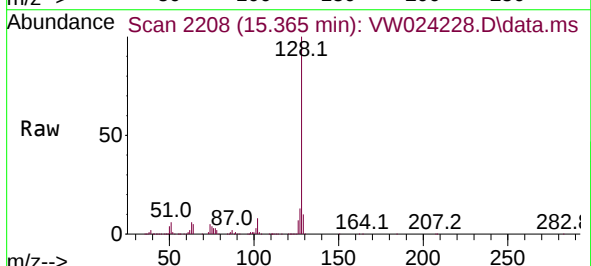
Tgt Ion:128 Resp: 318411

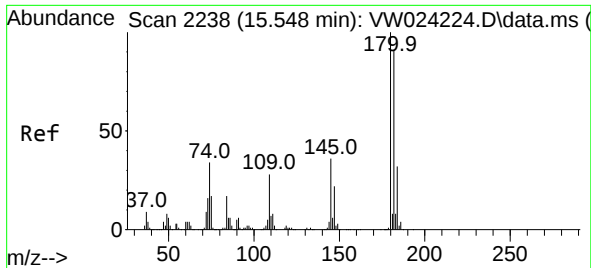
Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

129 10.8 8.8 13.2





#72  
 1,2,3-Trichlorobenzene  
 Concen: 30.272 ug/L  
 RT: 15.548 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VW024228.D  
 Acq: 11 Aug 2022 13:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025531

Tgt Ion:180 Resp: 147836  
 Ion Ratio Lower Upper  
 180 100  
 182 94.0 75.4 113.2  
 145 32.7 26.9 40.3

