

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020323\  
 Data File : VW025269.D  
 Acq On : 03 Feb 2023 10:41  
 Operator : SY/MD  
 Sample : VSTDICV025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV424

Quant Time: Feb 03 13:22:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Feb 03 11:28:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.841  | 114   | 391879   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.627 | 117   | 341759   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 165481   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.367  | 65    | 95629    | 25.218   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 100.880% |
| 7) Chloroethane-d5            | 2.903  | 69    | 80938    | 24.038   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.160%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 251438   | 23.912   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 95.640%  |
| 21) 2-Butanone-d5             | 7.079  | 46    | 48120    | 48.881   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 97.760%  |
| 24) Chloroform-d              | 7.653  | 84    | 244435   | 23.798   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.200%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 122047   | 24.394   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 97.560%  |
| 32) Benzene-d6                | 8.274  | 84    | 486574   | 23.491   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.960%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 136477   | 22.519   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 90.080%  |
| 41) Toluene-d8                | 10.323 | 98    | 444168   | 23.989   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 95.960%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 59523    | 26.284   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 105.120% |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 40393    | 59.444   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 118.880% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 96492    | 23.412   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 93.640%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 140286   | 24.434   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 97.720%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.019  | 85    | 121883   | 22.985   | ug/L   | 96       |
| 3) Chloromethane              | 2.227  | 50    | 137004   | 26.917   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.373  | 62    | 146234   | 28.209   | ug/L   | 97       |
| 6) Bromomethane               | 2.794  | 94    | 94728    | 26.689   | ug/L   | 99       |
| 8) Chloroethane               | 2.940  | 64    | 87445    | 27.021   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.275  | 101   | 190168   | 25.504   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101   | 146222   | 27.044   | ug/L # | 86       |
| 12) 1,1-Dichloroethene        | 4.050  | 96    | 138014   | 25.714   | ug/L   | 89       |
| 13) Acetone                   | 4.141  | 43    | 49609    | 45.703   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.391  | 76    | 459867   | 26.219   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.677  | 43    | 49205    | 26.492   | ug/L   | 99       |
| 16) Methylene chloride        | 4.921  | 84    | 147729   | 22.145   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 5.433  | 96    | 147829   | 25.647   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.427  | 73    | 220377   | 26.596   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 264688   | 25.789   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 157932   | 26.095   | ug/L   | 97       |
| 22) 2-Butanone                | 7.177  | 43    | 62998    | 47.726   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.512  | 128   | 66004    | 26.477   | ug/L   | 93       |
| 25) Chloroform                | 7.677  | 83    | 269961   | 25.571   | ug/L   | 97       |

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 Operator : SY/MD  
 Sample : VSTDICV025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

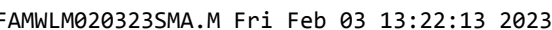
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV424

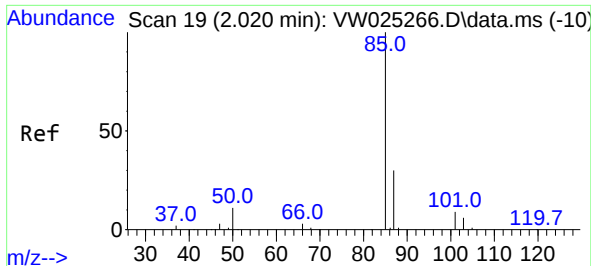
Quant Time: Feb 03 13:22:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Feb 03 11:28:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.402  | 62   | 172873   | 26.886 | ug/L  | 99       |
| 29) Cyclohexane               | 7.957  | 56   | 250353   | 25.437 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 242691   | 25.035 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 224068   | 24.990 | ug/L  | 99       |
| 33) Benzene                   | 8.323  | 78   | 595960   | 25.199 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 164195   | 24.786 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.335  | 83   | 289199   | 24.457 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 145615   | 24.964 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 192350   | 24.800 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 239626   | 25.090 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 135112   | 52.461 | ug/L  | 99       |
| 42) Toluene                   | 10.384 | 91   | 644264   | 27.394 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 194998   | 28.643 | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 103694   | 28.207 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.859 | 164  | 119547   | 28.237 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 91371    | 56.197 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 119382   | 28.752 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 97390    | 28.920 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.658 | 112  | 400334   | 25.865 | ug/L  | 100      |
| 52) Ethylbenzene              | 11.725 | 91   | 694745   | 24.655 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.835 | 106  | 285787   | 26.760 | ug/L  | 100      |
| 54) o-Xylene                  | 12.164 | 106  | 269251   | 25.045 | ug/L  | 95       |
| 55) Styrene                   | 12.176 | 104  | 449924   | 24.717 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 112483   | 25.680 | ug/L  | 97       |
| 59) Bromoform                 | 12.347 | 173  | 61994    | 26.405 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 748248   | 26.699 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.767 | 75   | 81424    | 27.674 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 637439   | 28.214 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 615761   | 27.200 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 308063   | 26.532 | ug/L  | 95       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 304810   | 26.603 | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 269079   | 26.892 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 16651    | 24.231 | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 170235   | 22.545 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 149529   | 24.320 | ug/L  | 99       |
| 71) Naphthalene               | 15.358 | 128  | 275201   | 24.485 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.547 | 180  | 114713   | 21.730 | ug/L  | 99       |

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

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Response via : Initial Calibration

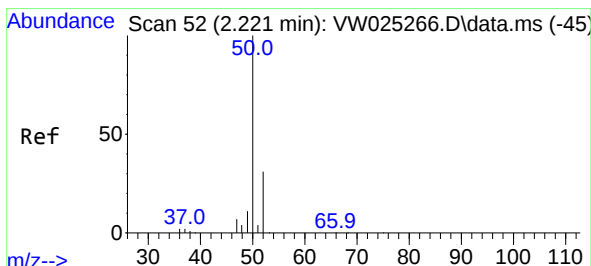
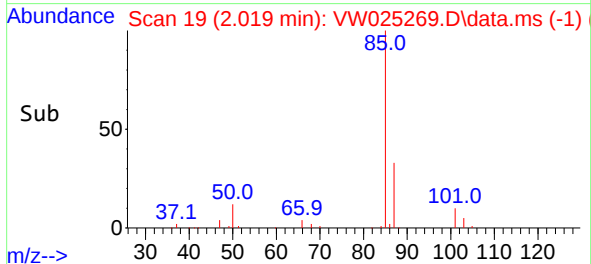
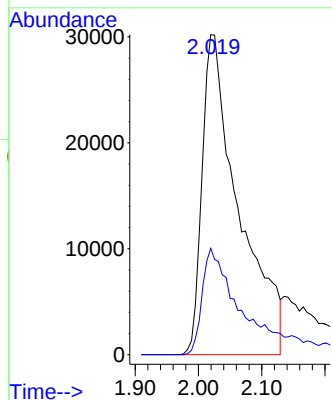
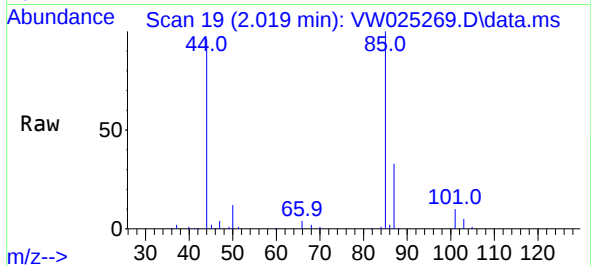




#2  
Dichlorodifluoromethane  
Concen: 22.985 ug/L  
RT: 2.019 min Scan# 19  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

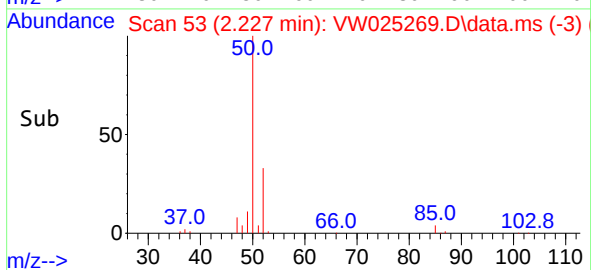
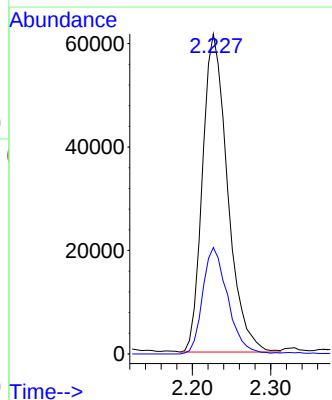
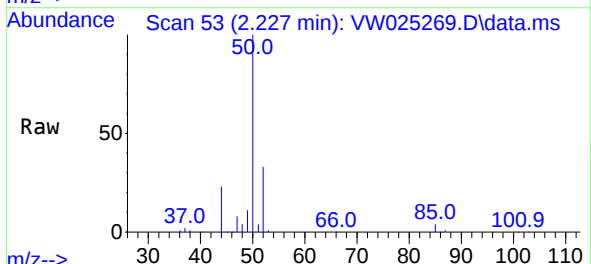
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

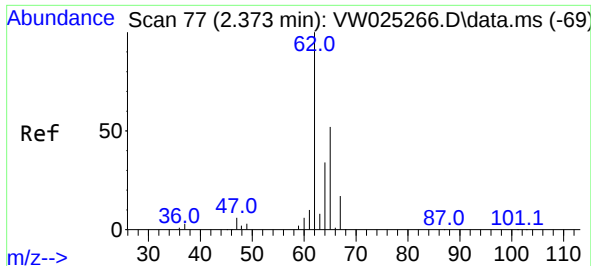
Tgt Ion: 85 Resp: 121883  
Ion Ratio Lower Upper  
85 100  
87 26.7 23.3 34.9



#3  
Chloromethane  
Concen: 26.917 ug/L  
RT: 2.227 min Scan# 53  
Delta R.T. 0.006 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion: 50 Resp: 137004  
Ion Ratio Lower Upper  
50 100  
52 33.2 22.0 40.8

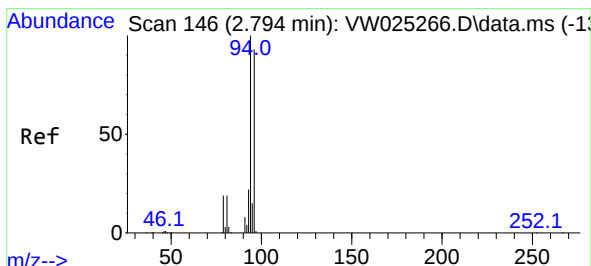
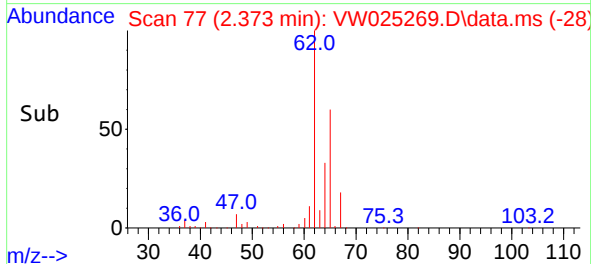
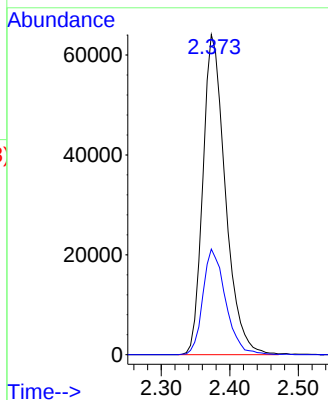
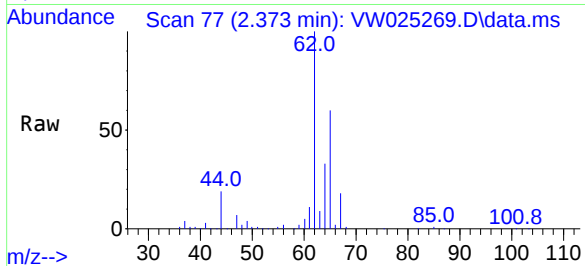




#5  
 Vinyl chloride  
 Concen: 28.209 ug/L  
 RT: 2.373 min Scan# 77  
 Delta R.T. -0.000 min  
 Lab File: VW025269.D  
 Acq: 03 Feb 2023 10:41

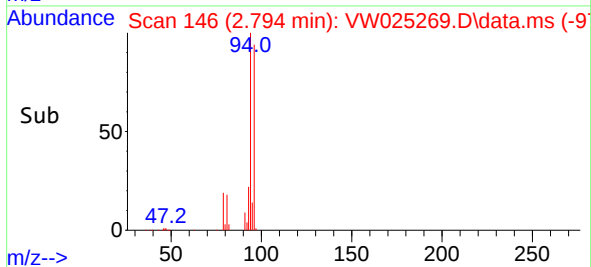
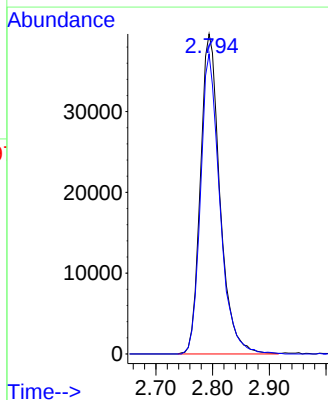
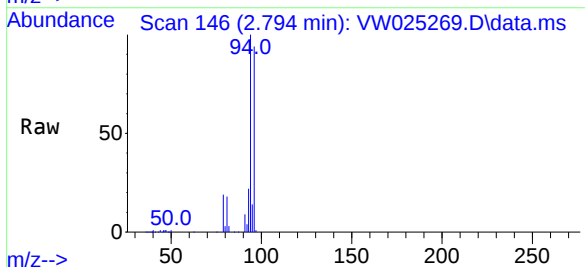
Instrument :  
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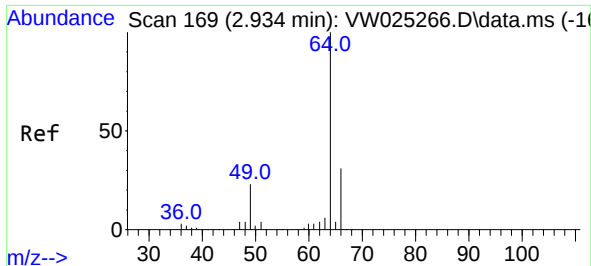
Tgt Ion: 62 Resp: 146234  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 21.8 40.6



#6  
 Bromomethane  
 Concen: 26.689 ug/L  
 RT: 2.794 min Scan# 146  
 Delta R.T. -0.000 min  
 Lab File: VW025269.D  
 Acq: 03 Feb 2023 10:41

Tgt Ion: 94 Resp: 94728  
 Ion Ratio Lower Upper  
 94 100  
 96 93.8 66.3 123.1

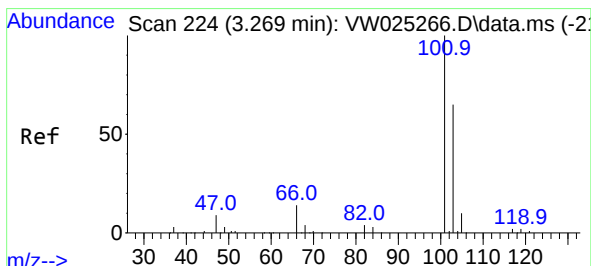
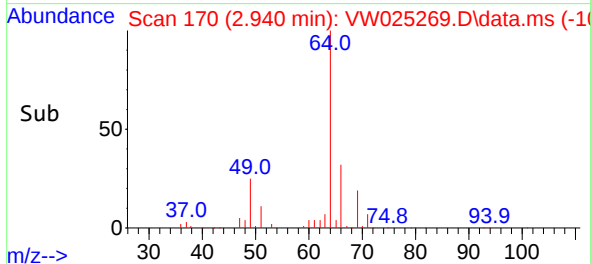
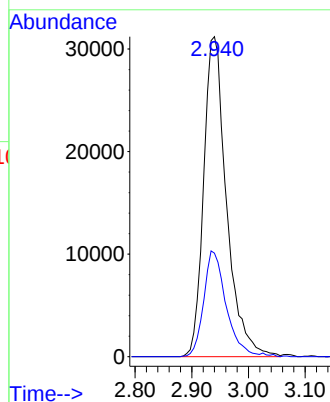
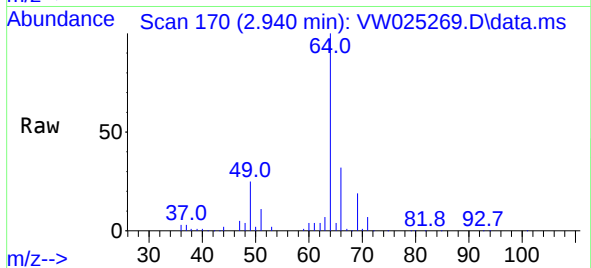




#8  
Chloroethane  
Concen: 27.021 ug/L  
RT: 2.940 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

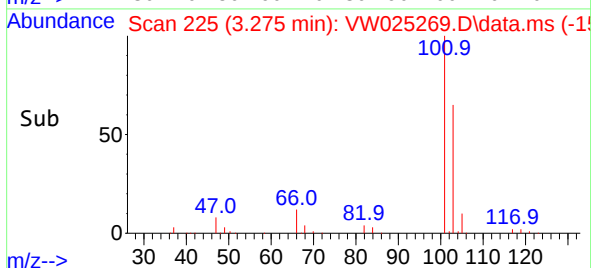
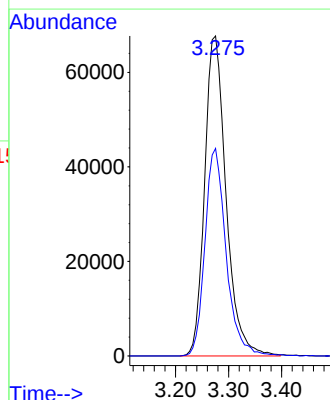
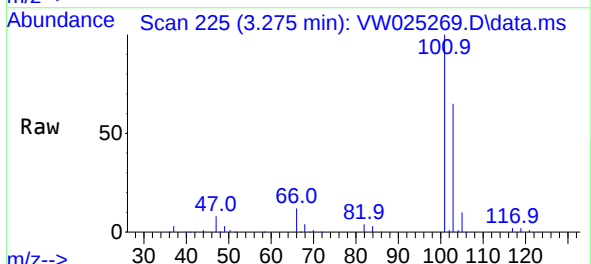
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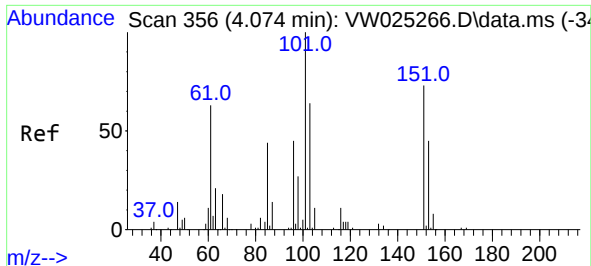
Tgt Ion: 64 Resp: 87445  
Ion Ratio Lower Upper  
64 100  
66 32.3 21.9 40.7



#9  
Trichlorofluoromethane  
Concen: 25.504 ug/L  
RT: 3.275 min Scan# 225  
Delta R.T. 0.006 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion:101 Resp: 190168  
Ion Ratio Lower Upper  
101 100  
103 64.1 52.4 78.6

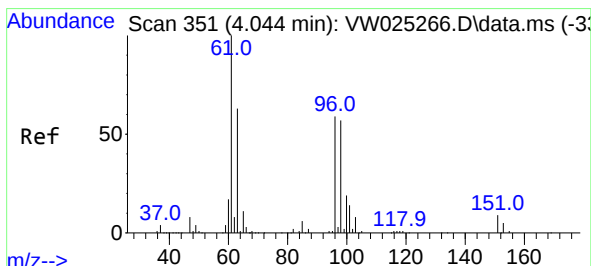
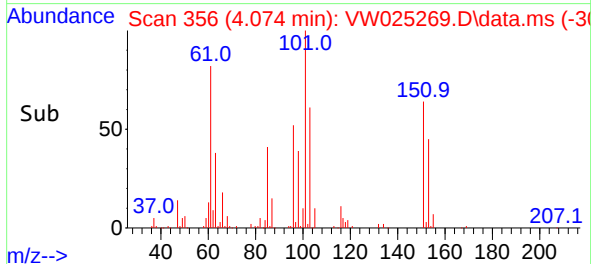
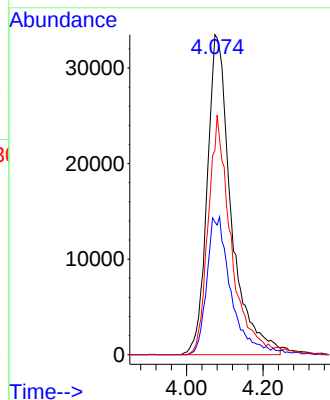
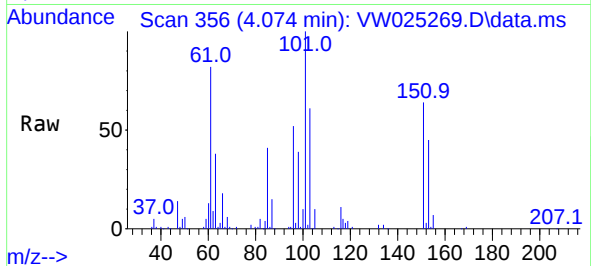




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 27.044 ug/L  
 RT: 4.074 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VW025269.D  
 Acq: 03 Feb 2023 10:41

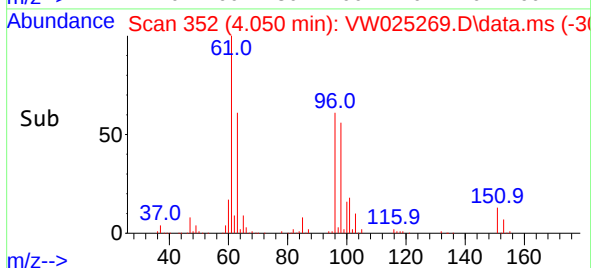
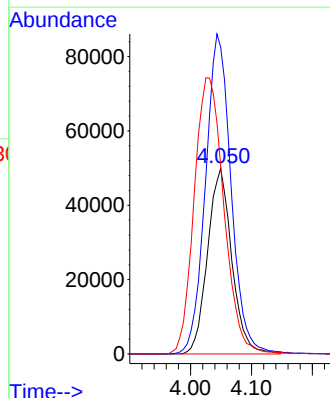
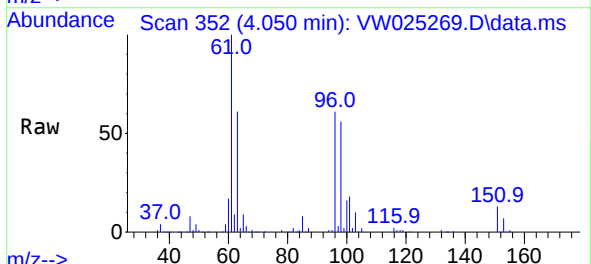
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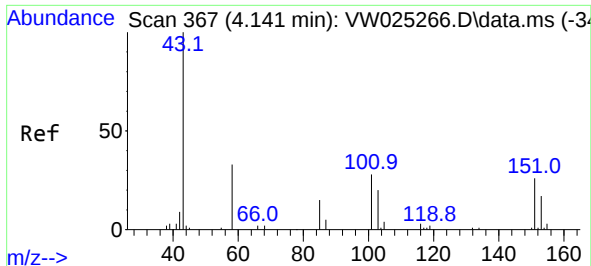
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 Ion Ratio Lower Upper  
 101 100  
 85 19.7 32.8 49.2#  
 151 70.1 54.7 82.1



#12  
 1,1-Dichloroethene  
 Concen: 25.714 ug/L  
 RT: 4.050 min Scan# 352  
 Delta R.T. 0.006 min  
 Lab File: VW025269.D  
 Acq: 03 Feb 2023 10:41

Tgt Ion: 96 Resp: 138014  
 Ion Ratio Lower Upper  
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 61 165.2 120.8 224.4  
 63 101.3 85.7 159.1

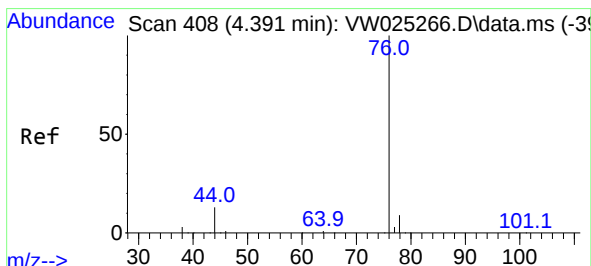
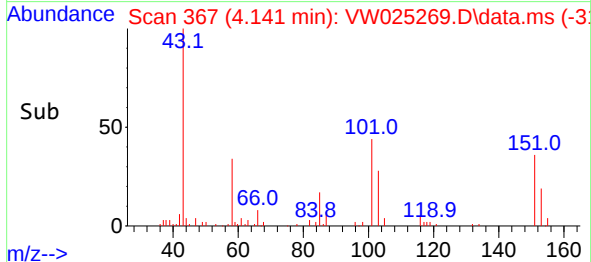
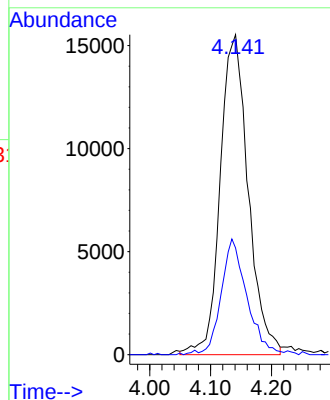
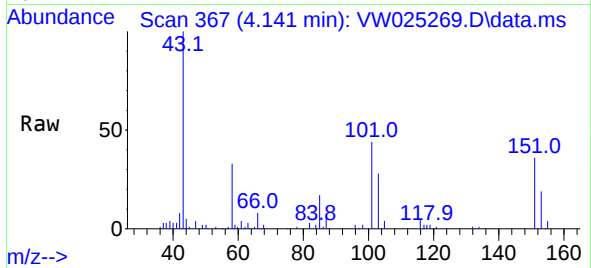




#13  
Acetone  
Concen: 45.703 ug/L  
RT: 4.141 min Scan# 367  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

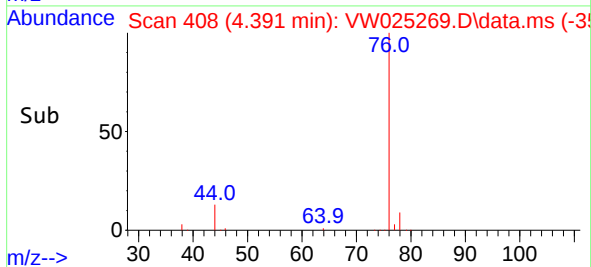
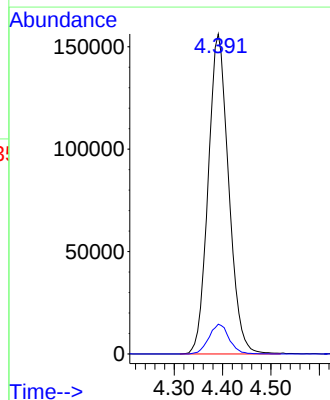
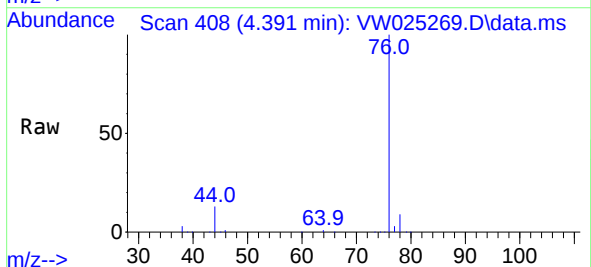
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

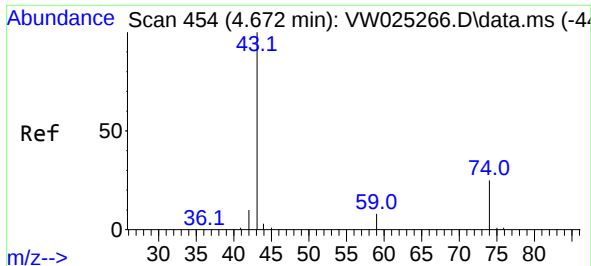
Tgt Ion: 43 Resp: 49609  
Ion Ratio Lower Upper  
43 100  
58 32.9 0.0 63.0



#14  
Carbon disulfide  
Concen: 26.219 ug/L  
RT: 4.391 min Scan# 408  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion: 76 Resp: 459867  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.3 10.9

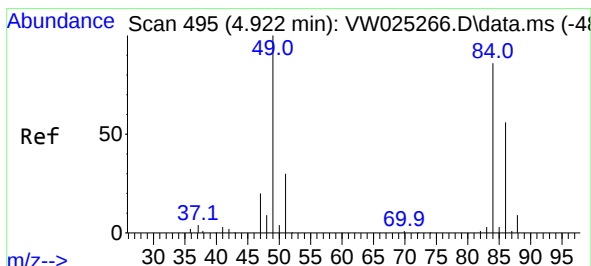
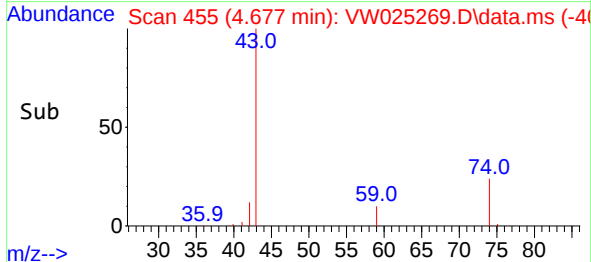
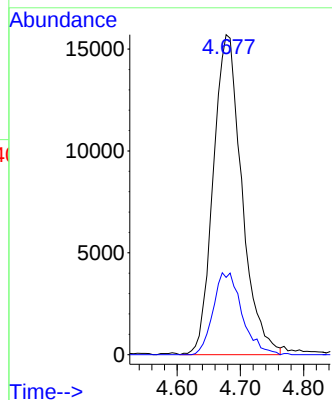
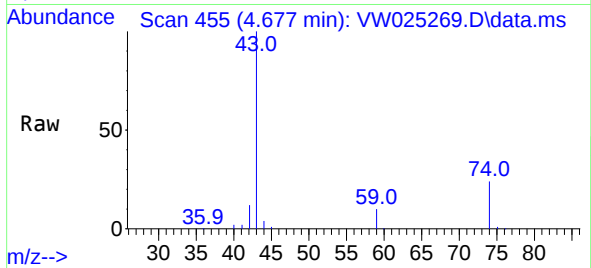




#15  
Methyl Acetate  
Concen: 26.492 ug/L  
RT: 4.677 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

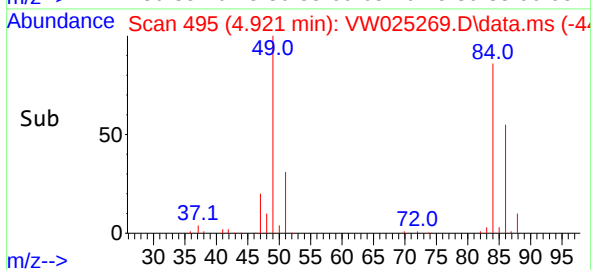
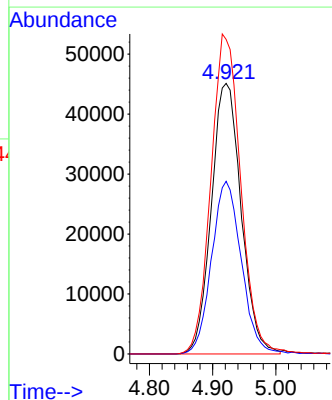
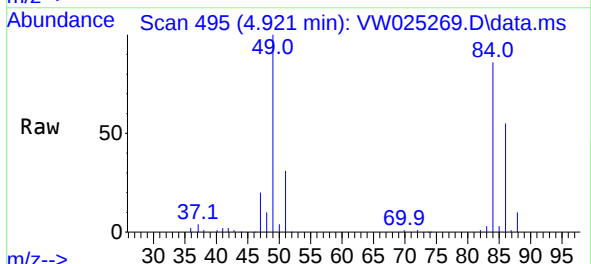
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

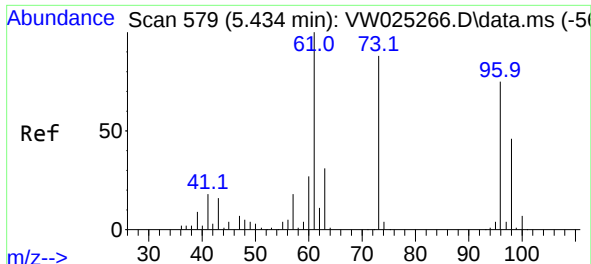
Tgt Ion: 43 Resp: 49205  
Ion Ratio Lower Upper  
43 100  
74 25.8 20.2 30.2



#16  
Methylene chloride  
Concen: 22.145 ug/L  
RT: 4.921 min Scan# 495  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion: 84 Resp: 147729  
Ion Ratio Lower Upper  
84 100  
86 63.8 47.2 87.6  
49 116.3 86.5 160.7





#17

trans-1,2-Dichloroethene

Concen: 25.647 ug/L

RT: 5.433 min Scan# 51

Delta R.T. -0.000 min

Lab File: VW025269.D

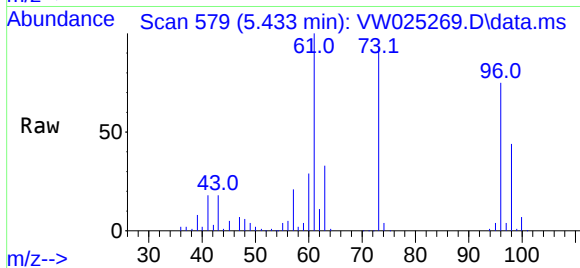
Acq: 03 Feb 2023 10:41

Instrument :

MSVOA\_W

ClientSampleId :

VICV424



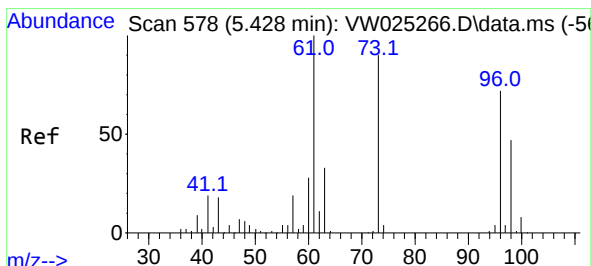
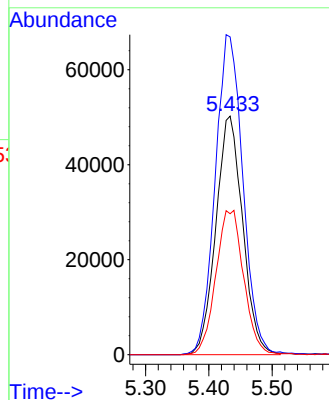
Tgt Ion: 96 Resp: 147829

Ion Ratio Lower Upper

96 100

61 133.2 98.4 182.8

98 59.1 43.5 80.9



#18

Methyl tert-butyl Ether

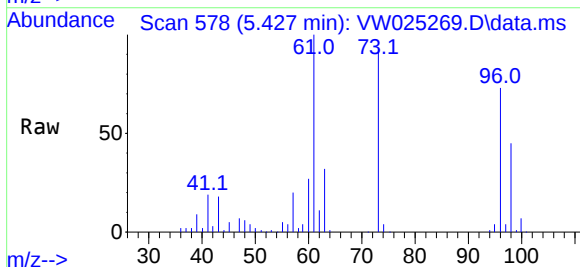
Concen: 26.596 ug/L

RT: 5.427 min Scan# 578

Delta R.T. -0.000 min

Lab File: VW025269.D

Acq: 03 Feb 2023 10:41



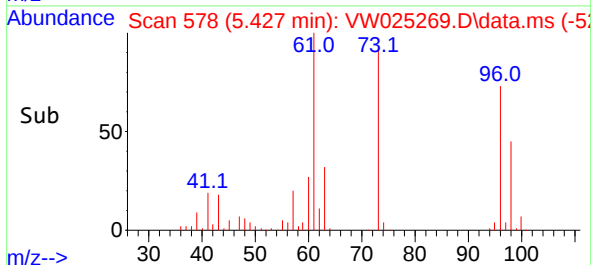
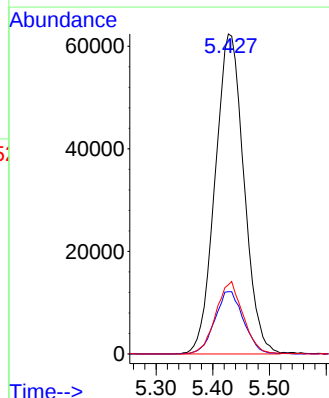
Tgt Ion: 73 Resp: 220377

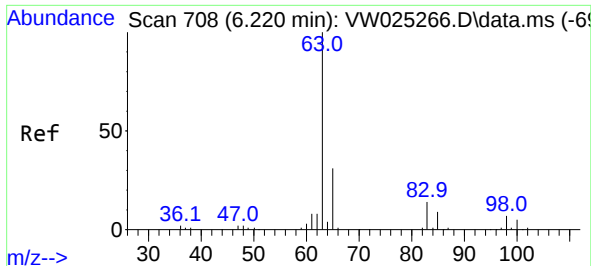
Ion Ratio Lower Upper

73 100

43 19.4 15.8 23.6

57 21.5 17.0 25.4

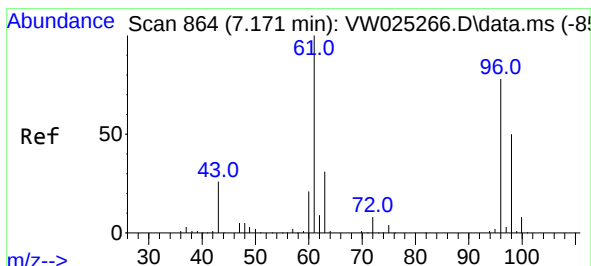
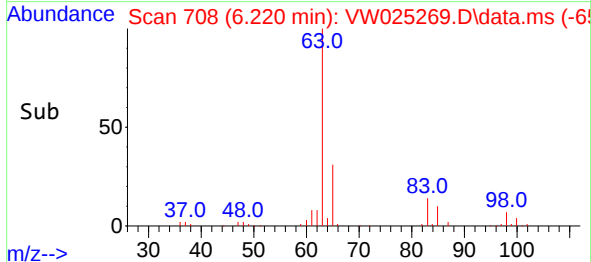
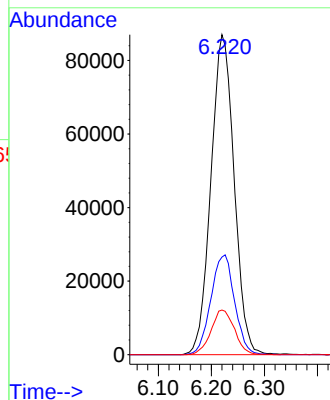
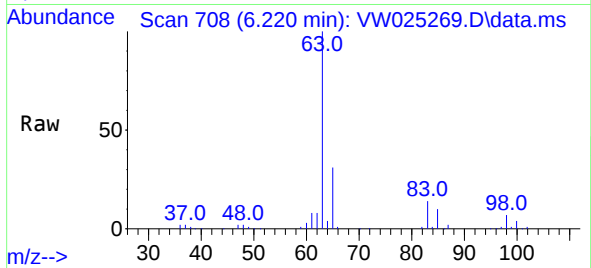




#19  
1,1-Dichloroethane  
Concen: 25.789 ug/L  
RT: 6.220 min Scan# 708  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

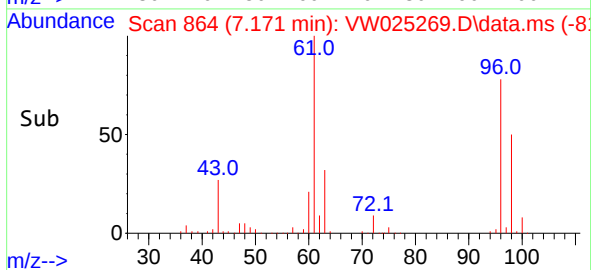
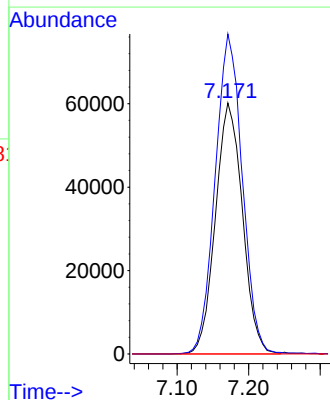
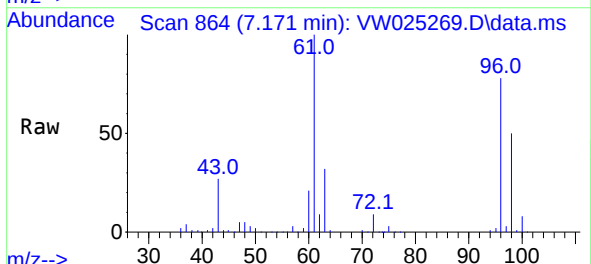
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

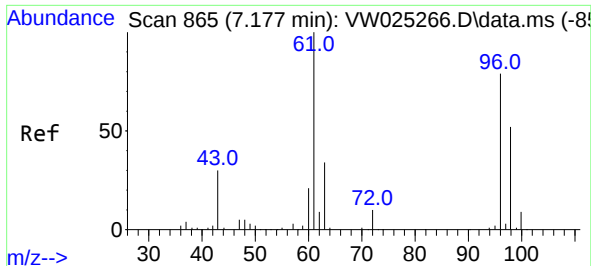
Tgt Ion: 63 Resp: 264688  
Ion Ratio Lower Upper  
63 100  
65 30.5 22.0 41.0  
83 14.0 9.5 17.7



#20  
cis-1,2-Dichloroethene  
Concen: 26.095 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion: 96 Resp: 157932  
Ion Ratio Lower Upper  
96 100  
61 127.5 87.2 162.0  
68 0.0 0.0 0.0

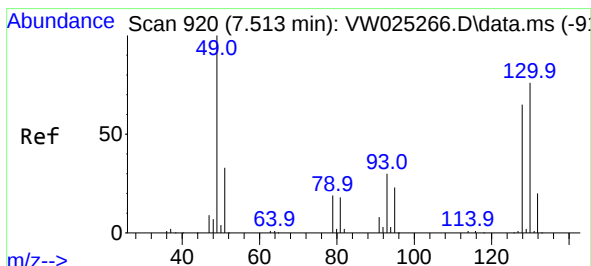
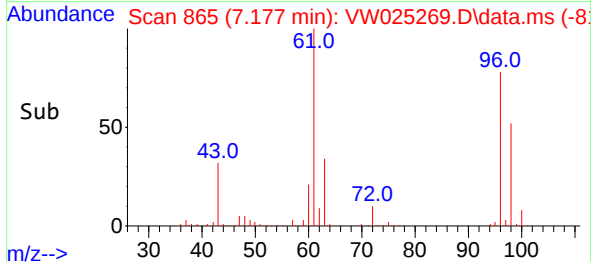
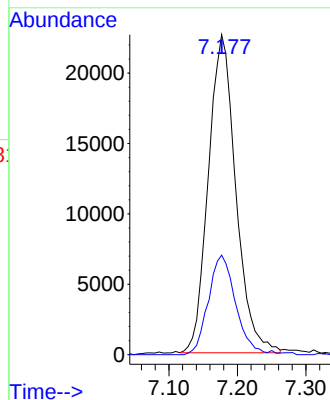
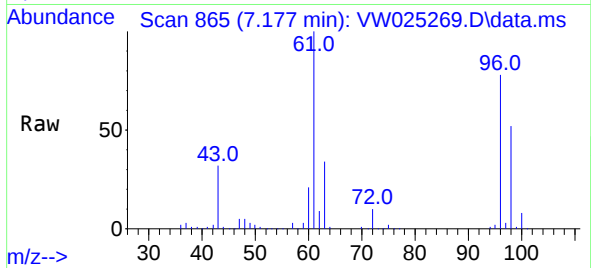




#22  
2-Butanone  
Concen: 47.726 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

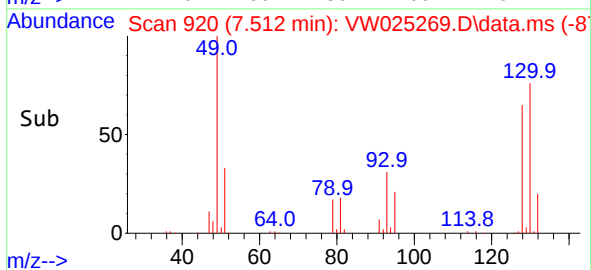
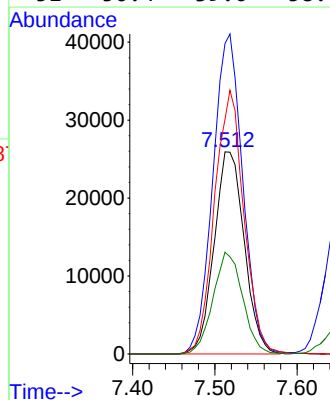
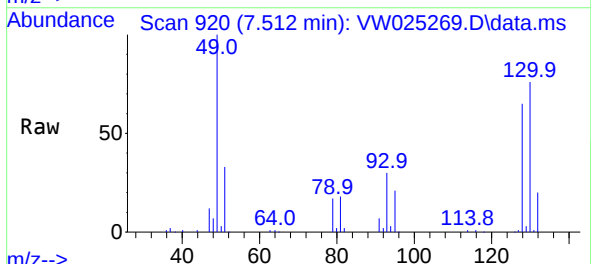
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

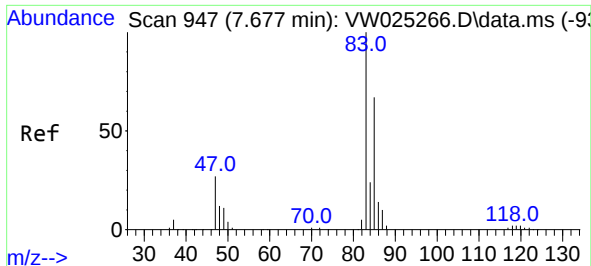
Tgt Ion: 43 Resp: 62998  
Ion Ratio Lower Upper  
43 100  
72 30.8 15.2 45.6



#23  
Bromochloromethane  
Concen: 26.477 ug/L  
RT: 7.512 min Scan# 920  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion: 128 Resp: 66004  
Ion Ratio Lower Upper  
128 100  
49 153.6 109.0 202.4  
130 116.1 93.3 173.3  
51 50.4 39.0 58.4





#25

Chloroform

Concen: 25.571 ug/L

RT: 7.677 min Scan# 94

Delta R.T. -0.000 min

Lab File: VW025269.D

Acq: 03 Feb 2023 10:41

Instrument :

MSVOA\_W

ClientSampleId :

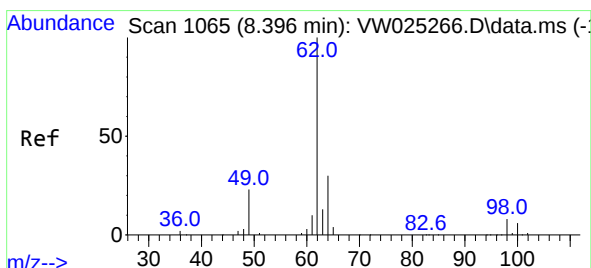
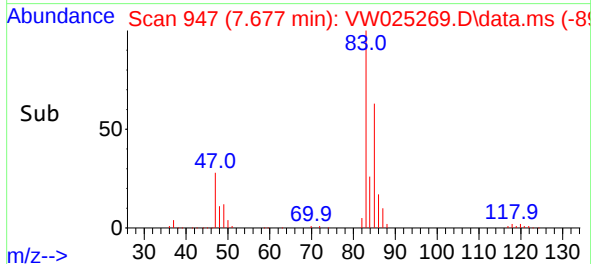
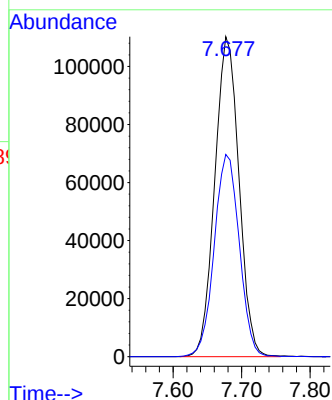
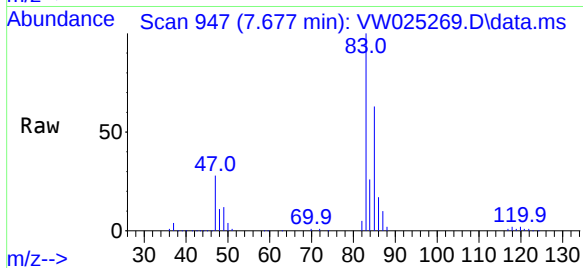
VICV424

Tgt Ion: 83 Resp: 269961

Ion Ratio Lower Upper

83 100

85 63.2 45.8 85.0



#27

1,2-Dichloroethane

Concen: 26.886 ug/L

RT: 8.402 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VW025269.D

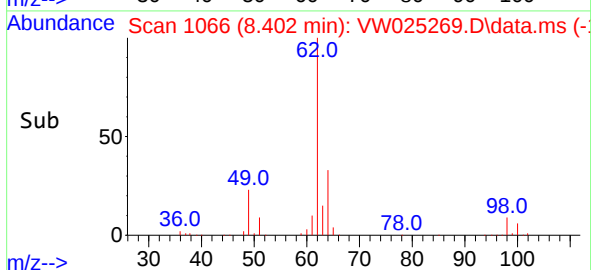
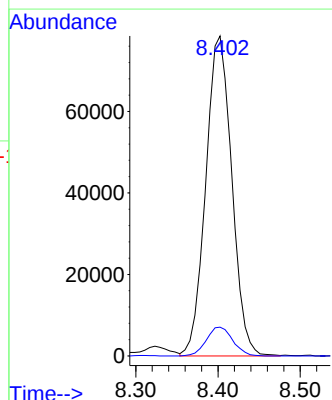
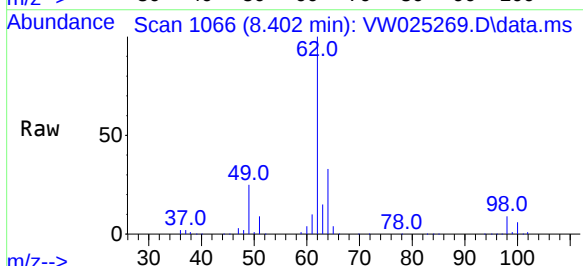
Acq: 03 Feb 2023 10:41

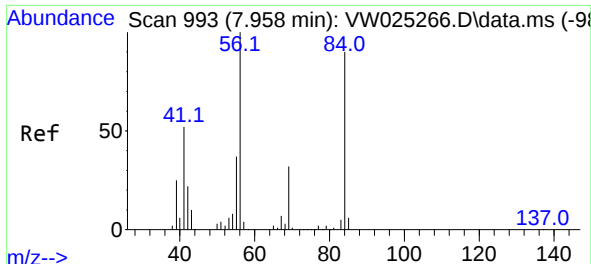
Tgt Ion: 62 Resp: 172873

Ion Ratio Lower Upper

62 100

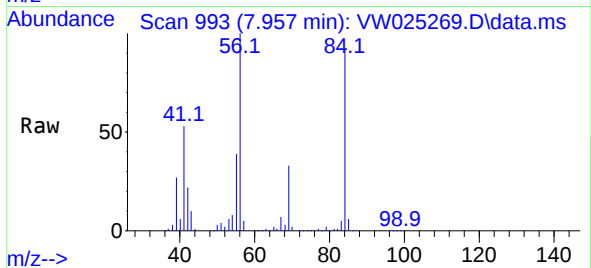
98 9.0 7.4 11.0





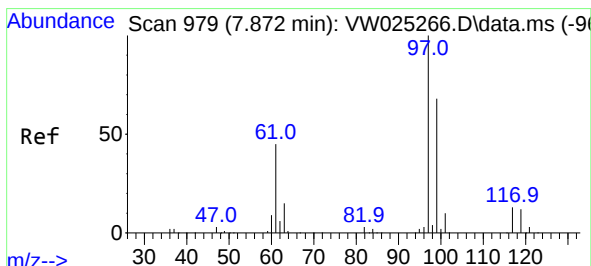
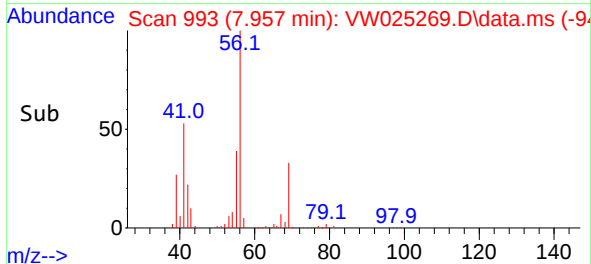
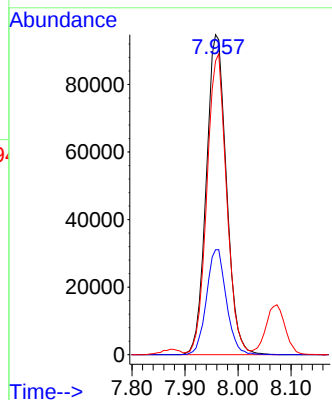
#29  
Cyclohexane  
Concen: 25.437 ug/L  
RT: 7.957 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424



Tgt Ion: 56 Resp: 250353

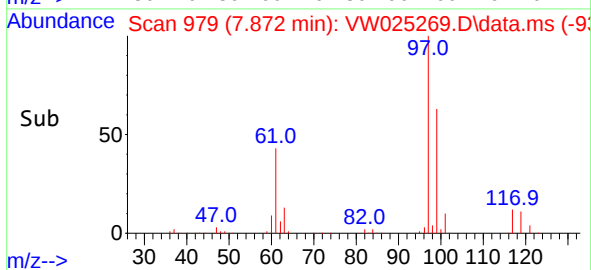
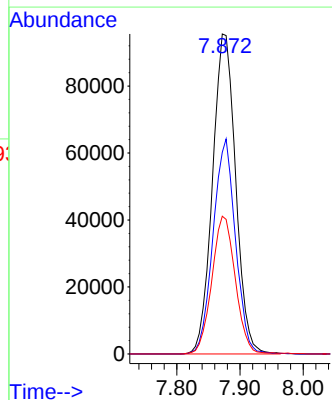
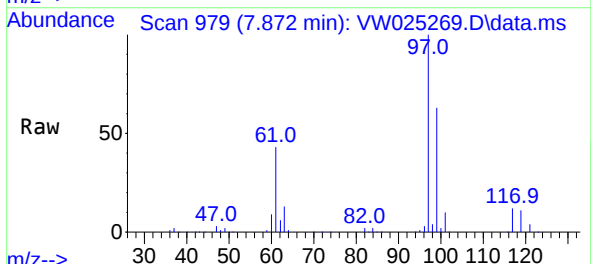
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 32.3  | 25.1  | 37.7  |
| 84  | 92.0  | 73.2  | 109.8 |

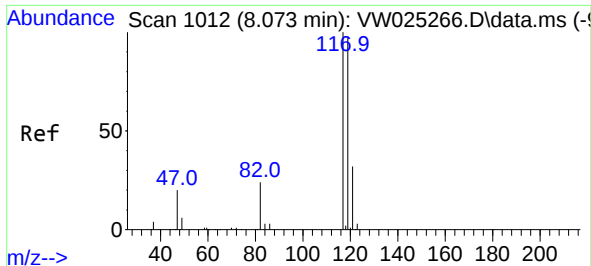


#30  
1,1,1-Trichloroethane  
Concen: 25.035 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion: 97 Resp: 242691

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.0  | 51.2  | 76.8  |
| 61  | 43.5  | 35.0  | 52.6  |

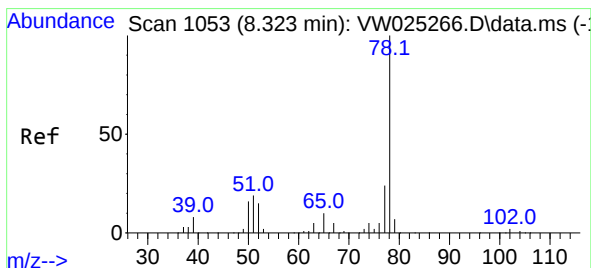
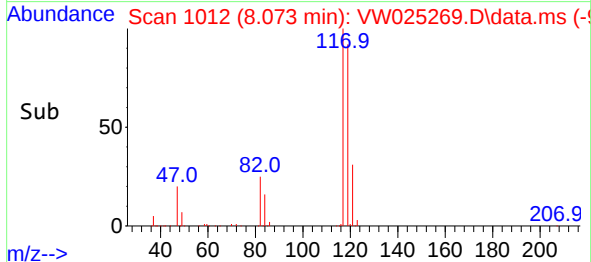
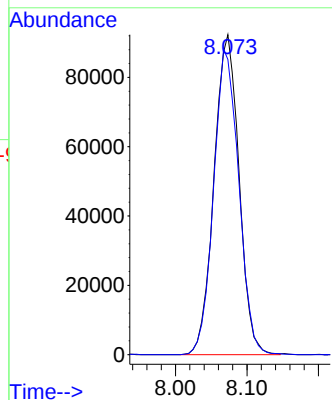
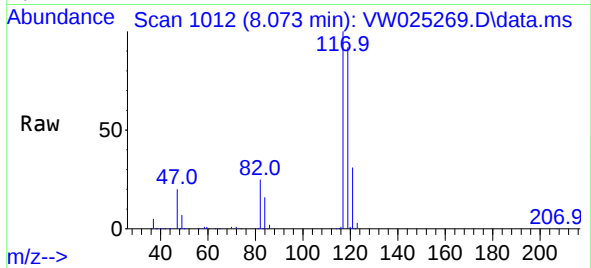




#31  
Carbon tetrachloride  
Concen: 24.990 ug/L  
RT: 8.073 min Scan# 1012  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

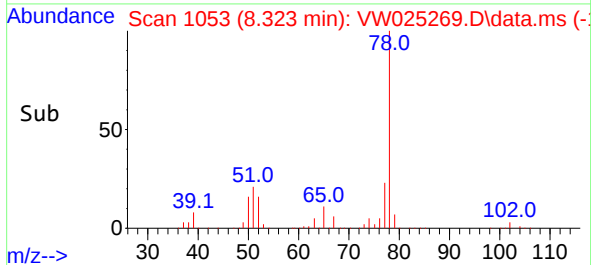
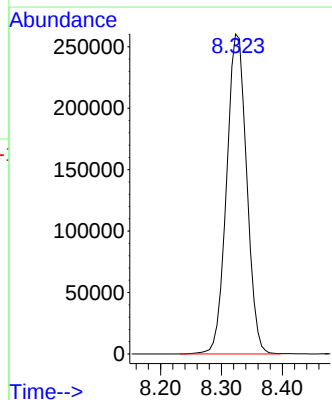
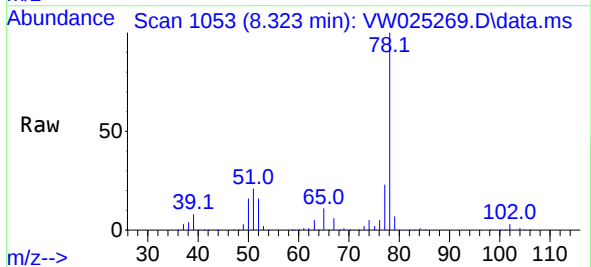
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

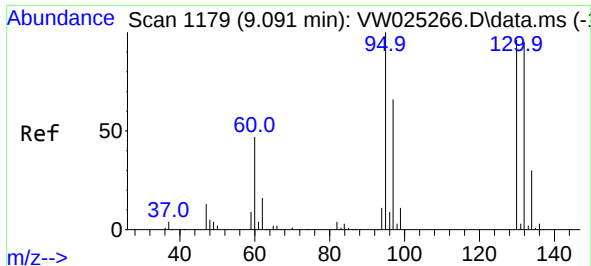
Tgt Ion:117 Resp: 224068  
Ion Ratio Lower Upper  
117 100  
119 96.0 77.6 116.4



#33  
Benzene  
Concen: 25.199 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion: 78 Resp: 595960

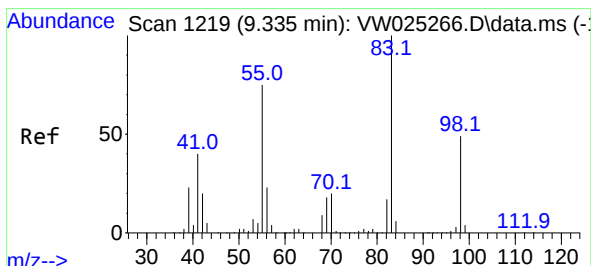
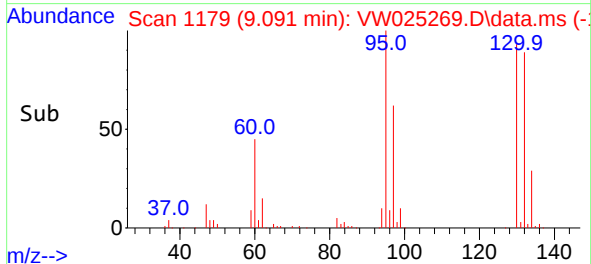
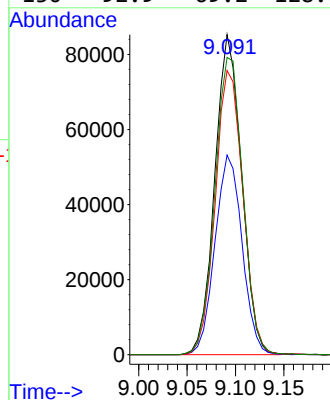
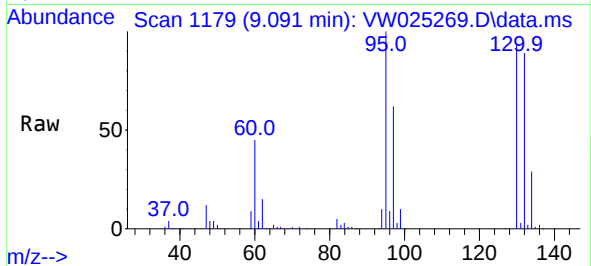




#34  
Trichloroethene  
Concen: 24.786 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

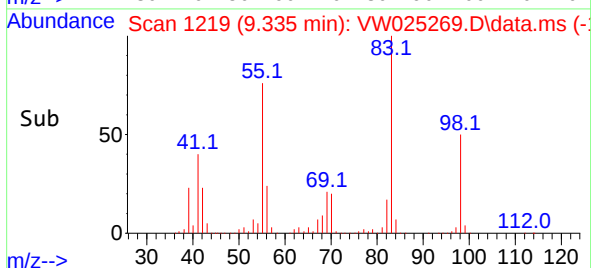
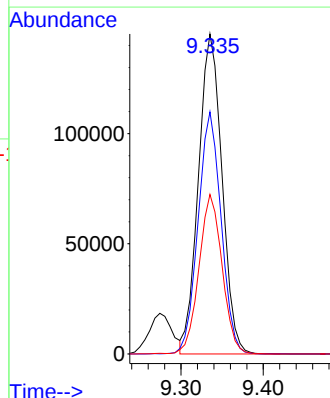
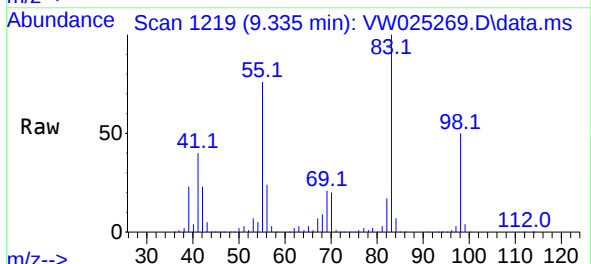
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

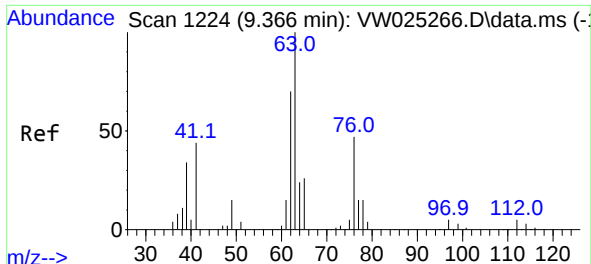
Tgt Ion: 95 Resp: 164195  
Ion Ratio Lower Upper  
95 100  
97 62.3 45.4 84.2  
132 88.8 67.1 124.5  
130 92.9 69.2 128.6



#35  
Methylcyclohexane  
Concen: 24.457 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion: 83 Resp: 289199  
Ion Ratio Lower Upper  
83 100  
55 74.0 58.8 88.2  
98 49.0 39.5 59.3

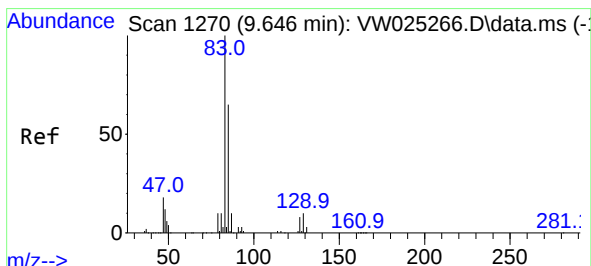
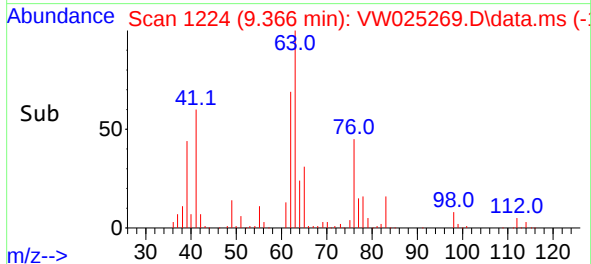
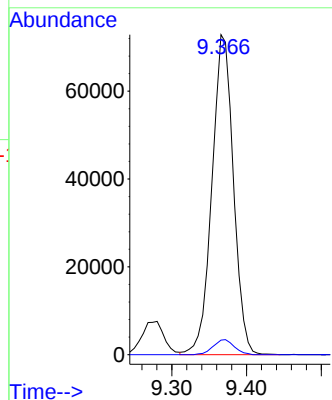
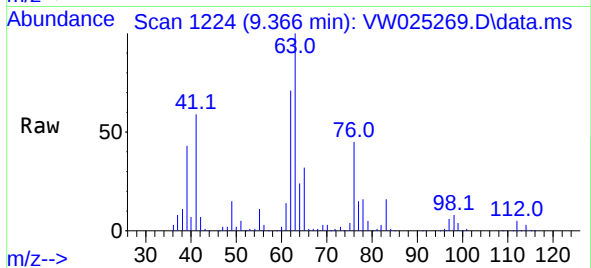




#37  
1,2-Dichloropropane  
Concen: 24.964 ug/L  
RT: 9.366 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

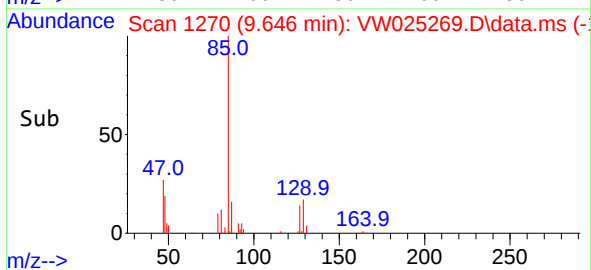
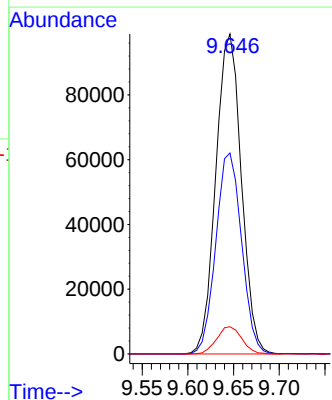
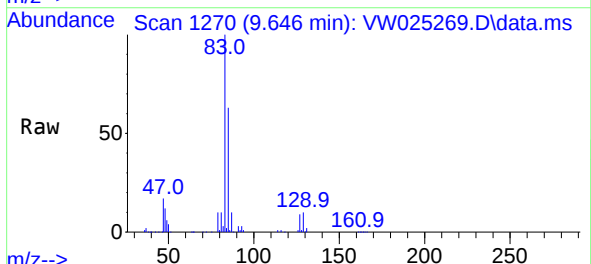
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

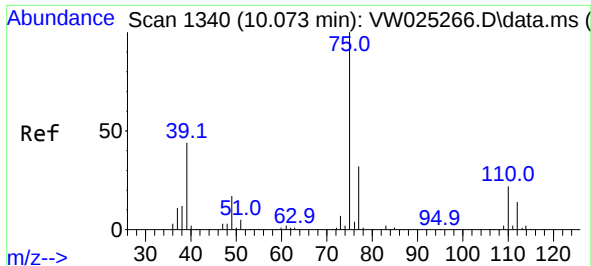
Tgt Ion: 63 Resp: 145615  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.8 5.8



#38  
Bromodichloromethane  
Concen: 24.800 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion: 83 Resp: 192350  
Ion Ratio Lower Upper  
83 100  
85 62.8 44.4 82.4  
127 8.5 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 25.090 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VW025269.D

Acq: 03 Feb 2023 10:41

Instrument :

MSVOA\_W

ClientSampleId :

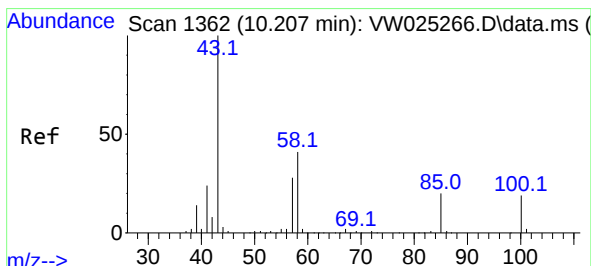
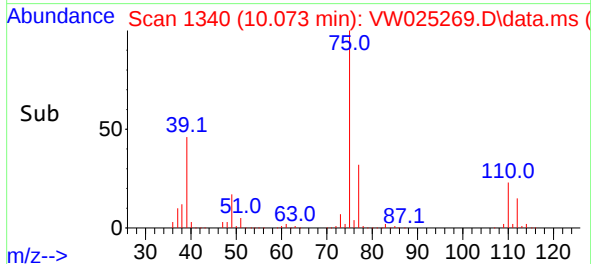
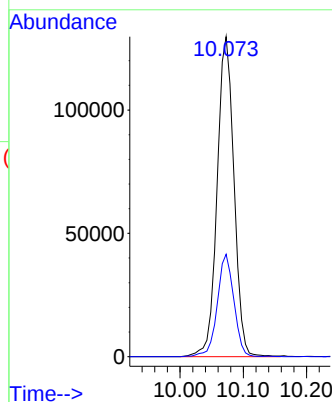
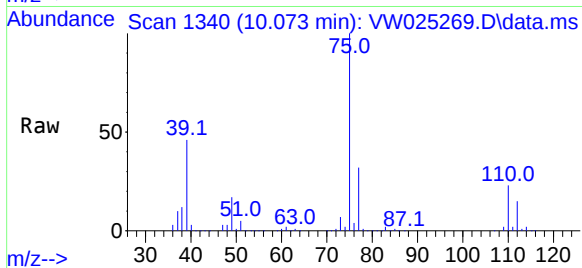
VICV424

Tgt Ion: 75 Resp: 239626

Ion Ratio Lower Upper

75 100

77 32.0 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 52.461 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW025269.D

Acq: 03 Feb 2023 10:41

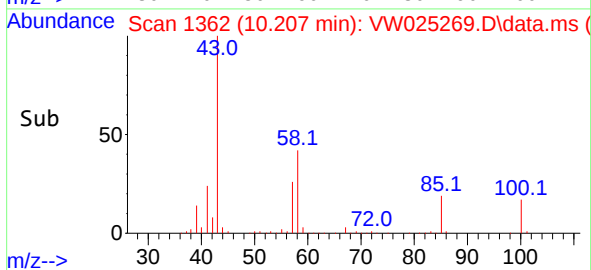
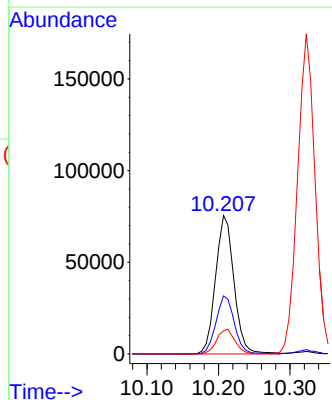
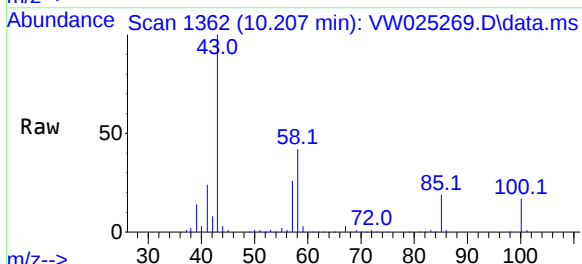
Tgt Ion: 43 Resp: 135112

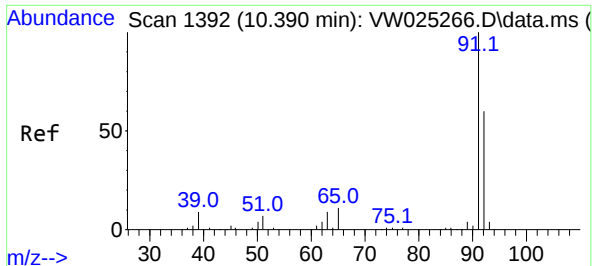
Ion Ratio Lower Upper

43 100

58 41.8 34.1 51.1

100 17.7 14.5 21.7

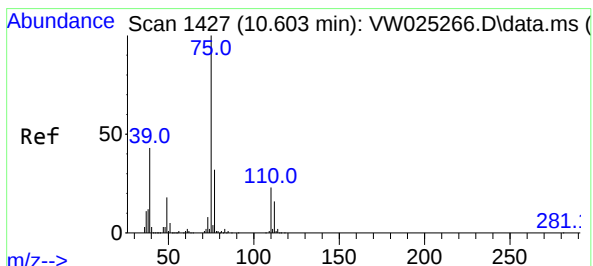
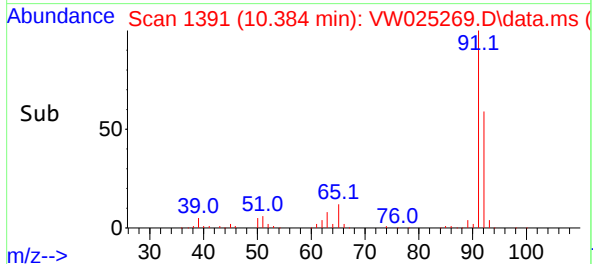
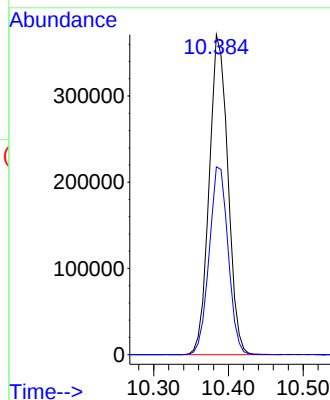
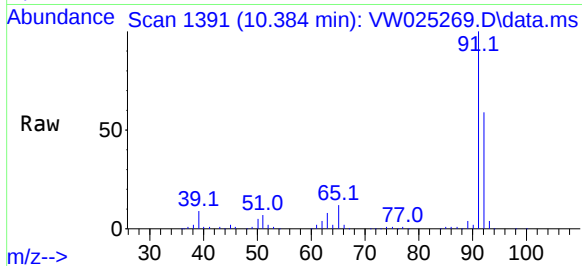




#42  
Toluene  
Concen: 27.394 ug/L  
RT: 10.384 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

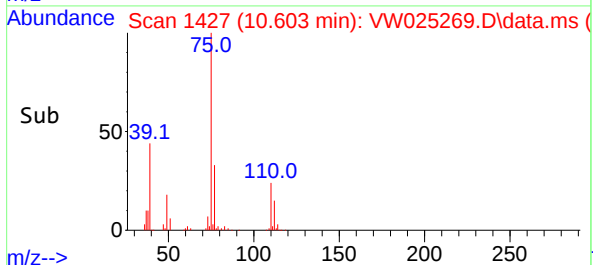
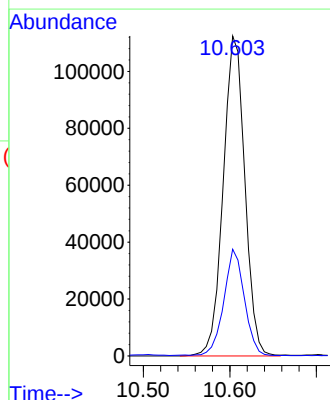
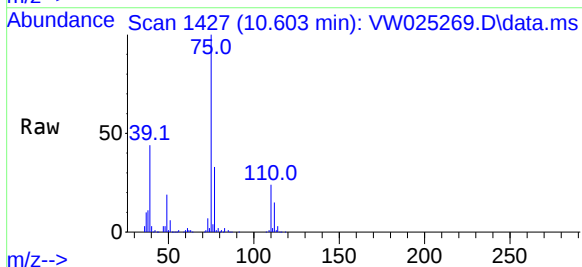
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

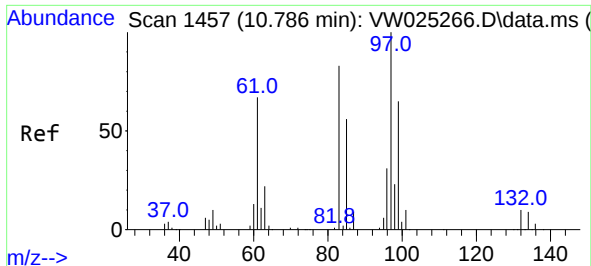
Tgt Ion: 91 Resp: 644264  
Ion Ratio Lower Upper  
91 100  
92 58.7 41.9 77.7



#44  
trans-1,3-Dichloropropene  
Concen: 28.643 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion: 75 Resp: 194998  
Ion Ratio Lower Upper  
75 100  
77 33.3 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 28.207 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW025269.D

Acq: 03 Feb 2023 10:41

Instrument :

MSVOA\_W

ClientSampleId :

VICV424

Tgt Ion: 97 Resp: 103694

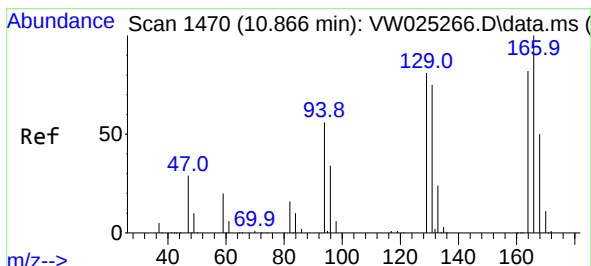
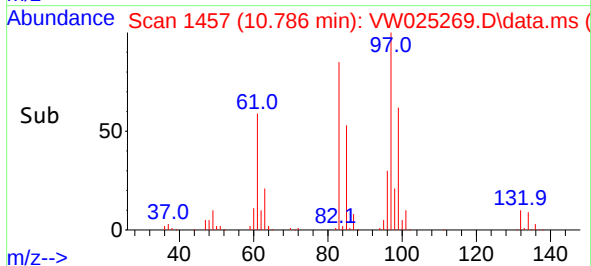
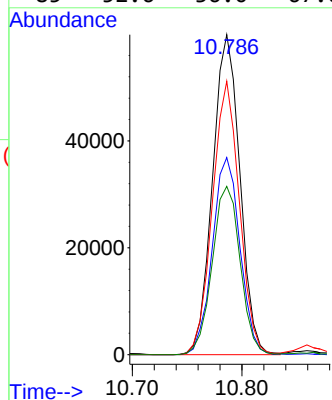
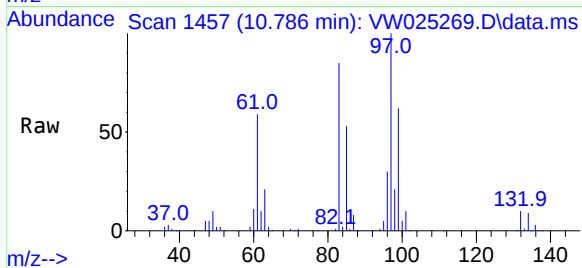
Ion Ratio Lower Upper

97 100

99 61.6 41.4 76.8

83 85.4 54.0 100.4

85 52.6 36.0 67.0



#46

Tetrachloroethene

Concen: 28.237 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.006 min

Lab File: VW025269.D

Acq: 03 Feb 2023 10:41

Tgt Ion:164 Resp: 119547

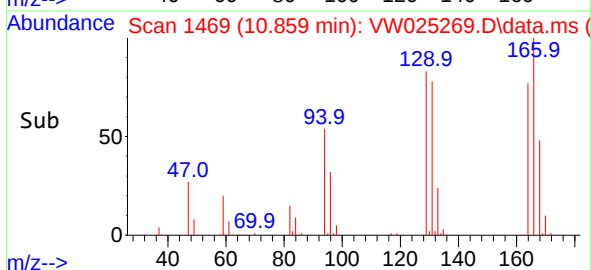
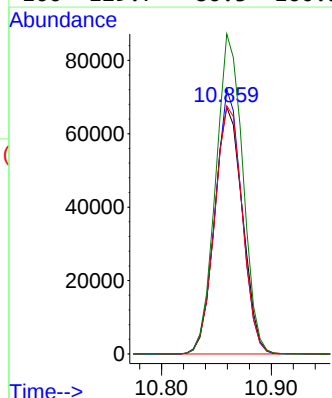
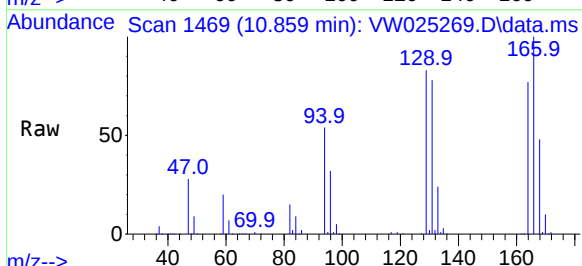
Ion Ratio Lower Upper

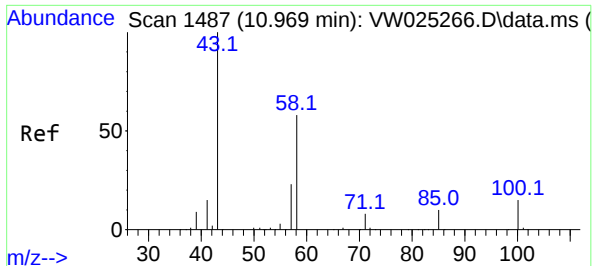
164 100

129 107.5 74.1 137.5

131 100.6 72.3 134.3

166 129.7 86.3 160.3

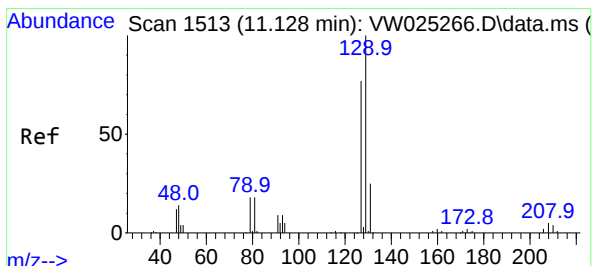
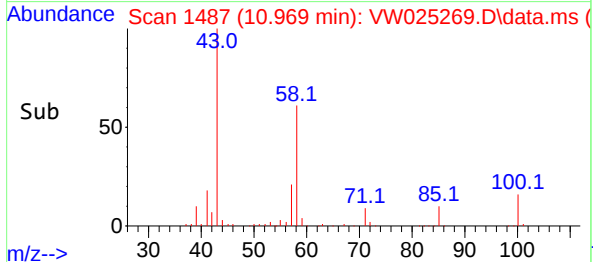
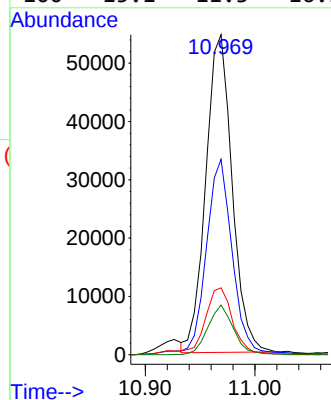
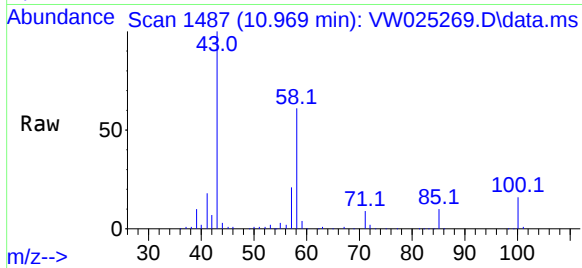




#48  
2-Hexanone  
Concen: 56.197 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

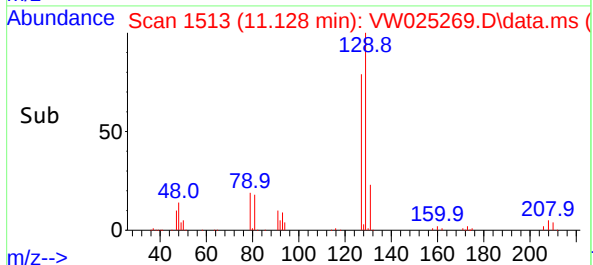
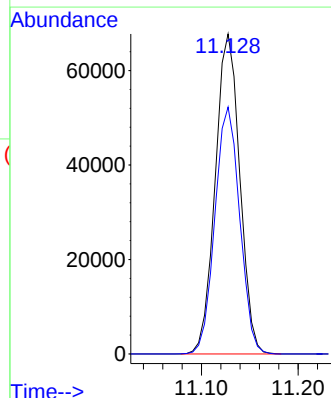
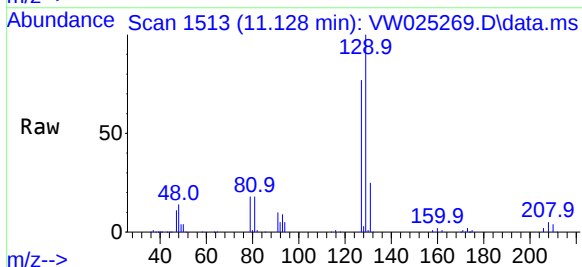
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

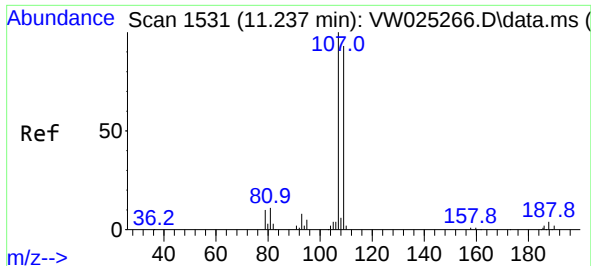
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 91371 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 60.5  | 46.3  | 69.5  |
| 57       | 21.7  | 16.5  | 24.7  |
| 100      | 15.1  | 11.3  | 16.9  |



#49  
Dibromochloromethane  
Concen: 28.752 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 119382 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 77.1  | 54.8  | 101.8  |





#50

1,2-Dibromoethane

Concen: 28.920 ug/L

RT: 11.237 min Scan# 1531

Delta R.T. -0.000 min

Lab File: VW025269.D

Acq: 03 Feb 2023 10:41

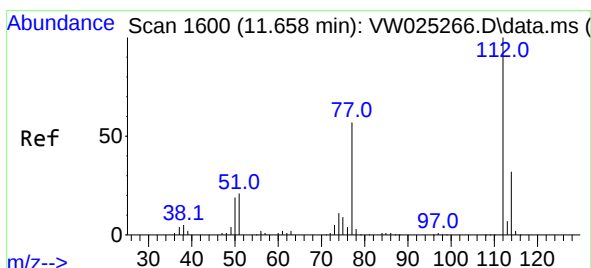
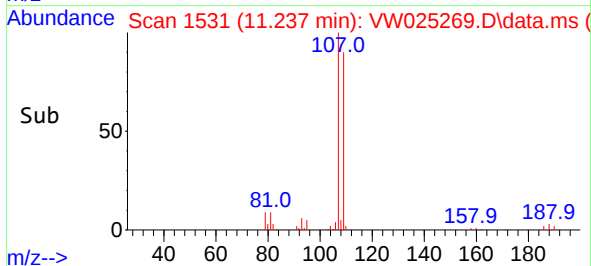
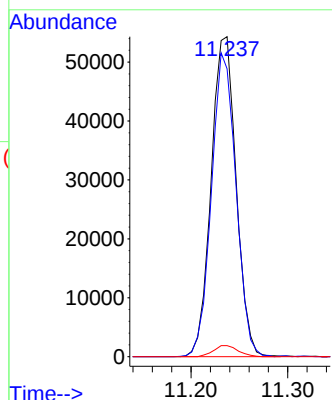
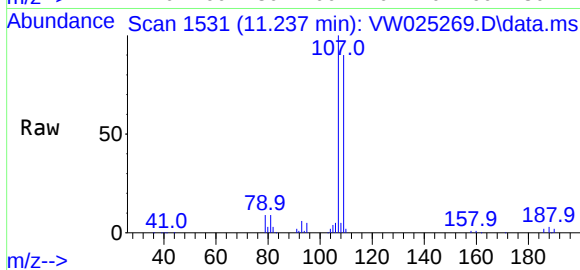
Instrument :

MSVOA\_W

ClientSampleId :

VICV424

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 97390 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 90.0  | 65.0  | 120.6 |
| 188      | 3.4   | 2.3   | 3.5   |



#51

Chlorobenzene

Concen: 25.865 ug/L

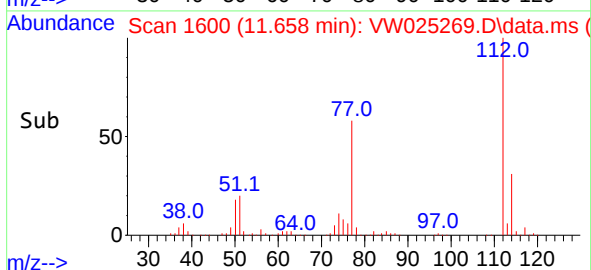
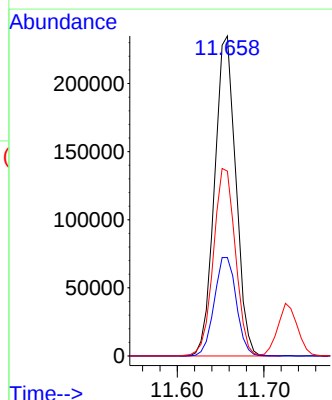
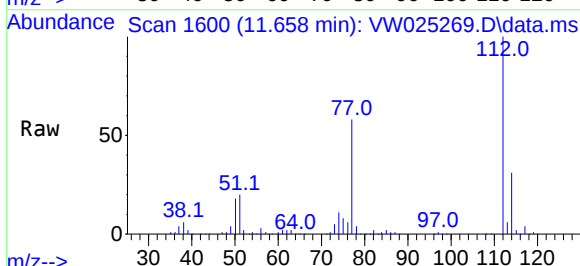
RT: 11.658 min Scan# 1600

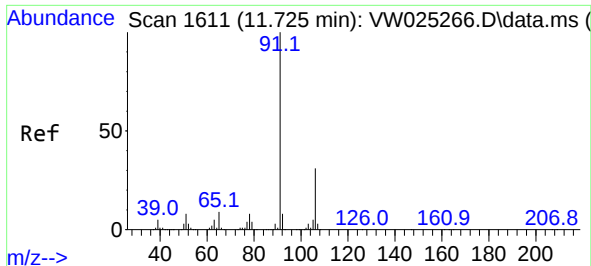
Delta R.T. -0.000 min

Lab File: VW025269.D

Acq: 03 Feb 2023 10:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 400334 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 30.8  | 21.7  | 40.3   |
| 77       | 57.7  | 46.2  | 69.4   |

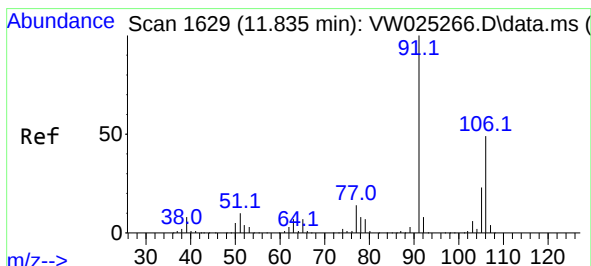
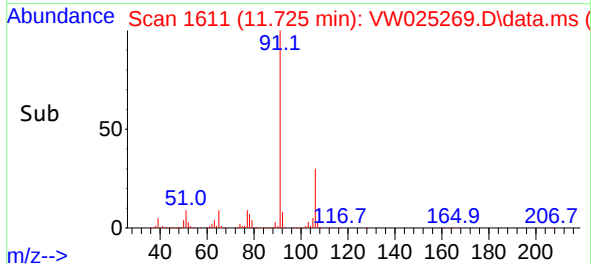
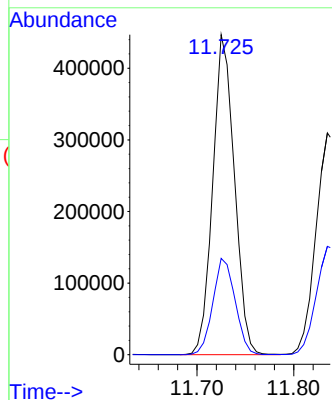
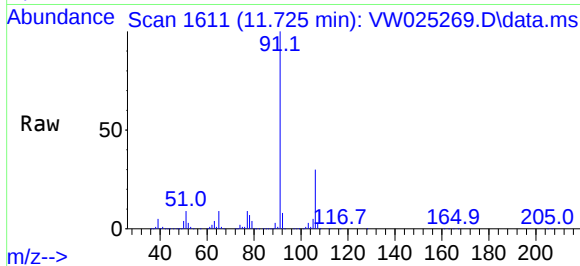




#52  
Ethylbenzene  
Concen: 24.655 ug/L  
RT: 11.725 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

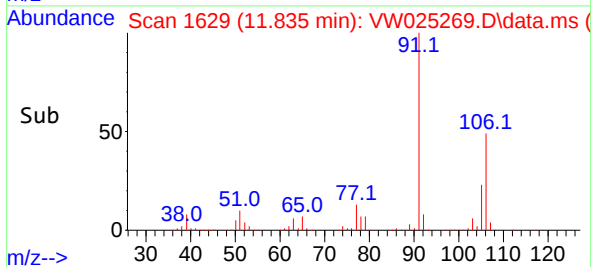
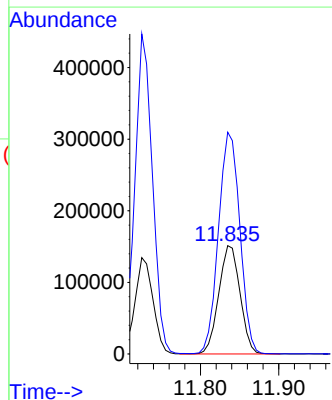
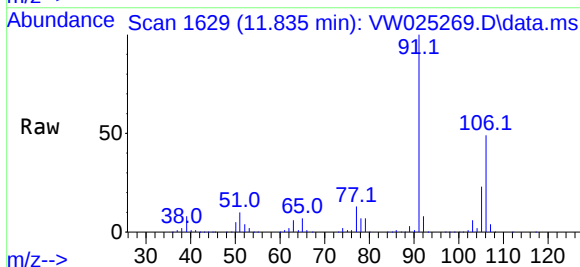
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

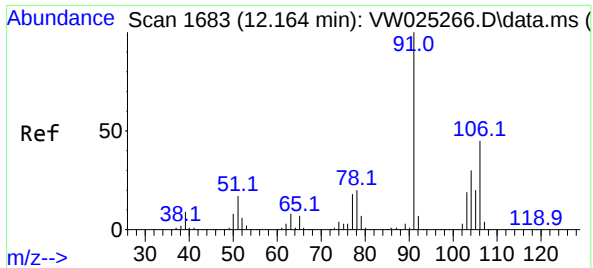
Tgt Ion: 91 Resp: 694745  
Ion Ratio Lower Upper  
91 100  
106 30.1 21.1 39.1



#53  
m,p-Xylene  
Concen: 26.760 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion: 106 Resp: 285787  
Ion Ratio Lower Upper  
106 100  
91 204.7 143.4 266.4

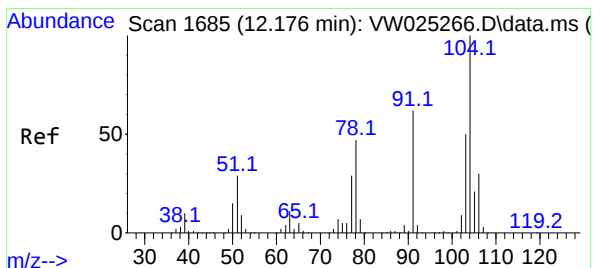
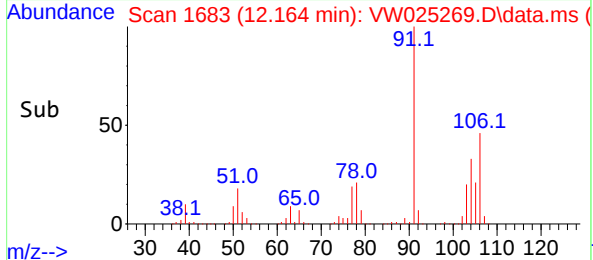
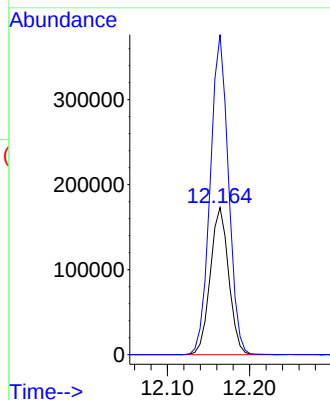
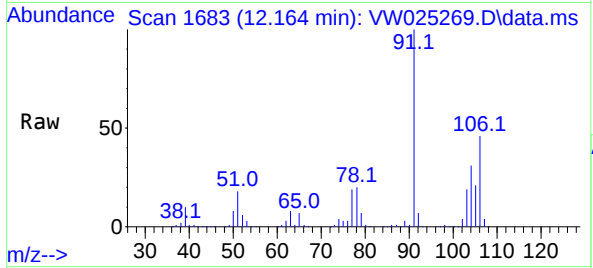




#54  
o-Xylene  
Concen: 25.045 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

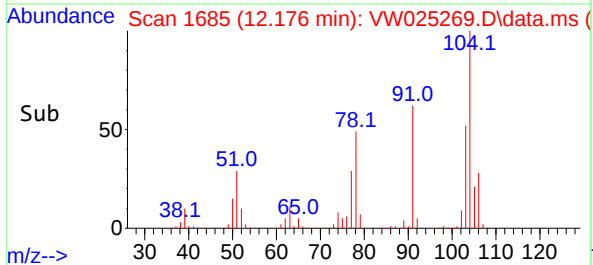
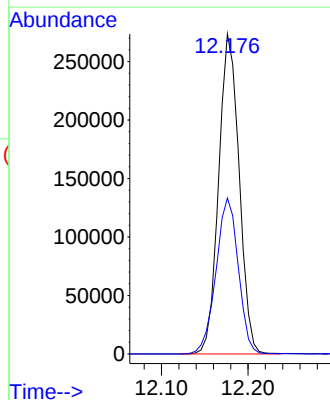
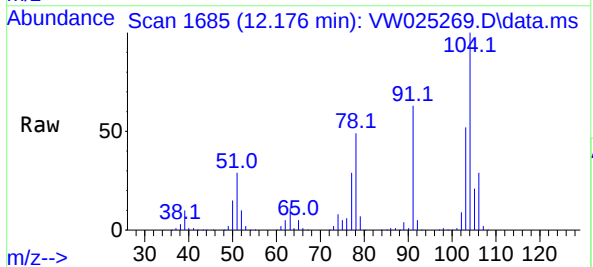
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

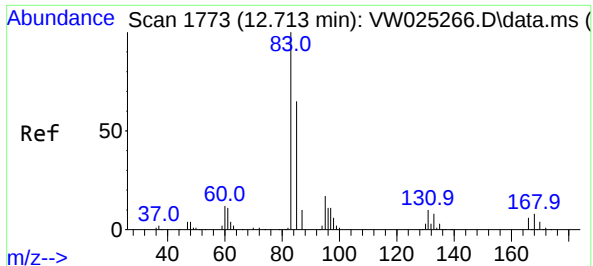
Tgt Ion:106 Resp: 269251  
Ion Ratio Lower Upper  
106 100  
91 217.5 157.6 292.8



#55  
Styrene  
Concen: 24.717 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion:104 Resp: 449924  
Ion Ratio Lower Upper  
104 100  
78 48.8 32.8 60.8



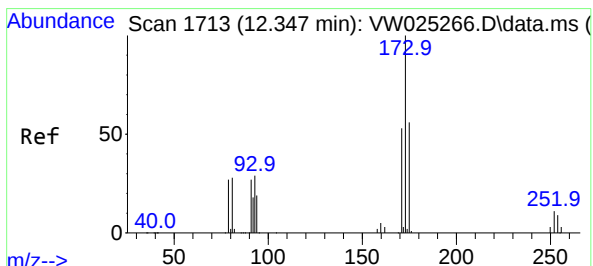
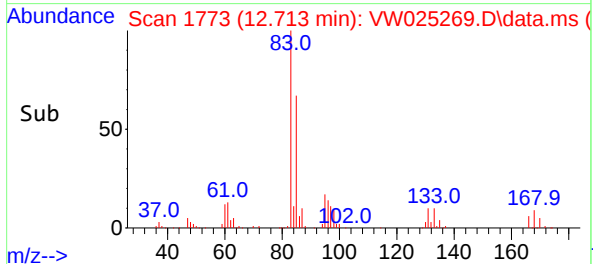
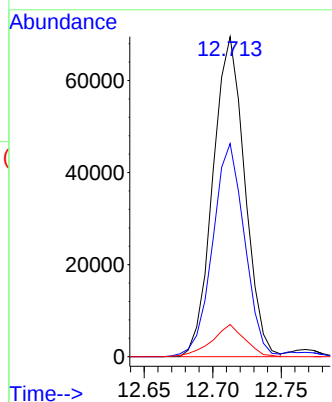
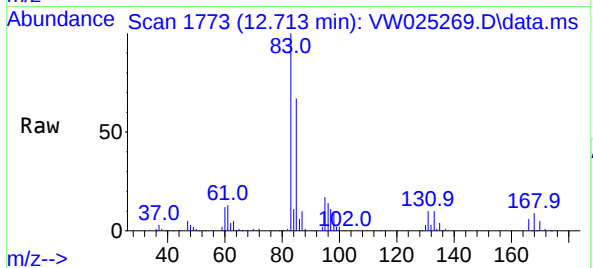


#57  
1,1,2,2-Tetrachloroethane  
Concen: 25.680 ug/L  
RT: 12.713 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

Tgt Ion: 83 Resp: 112483

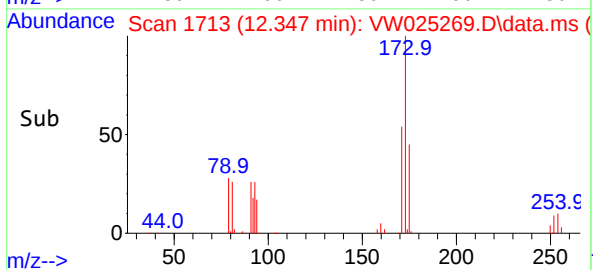
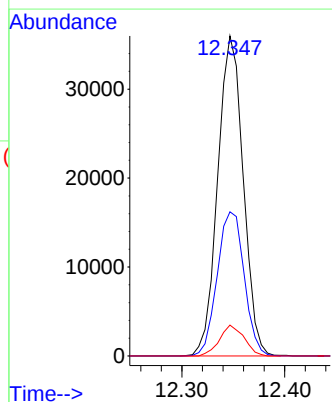
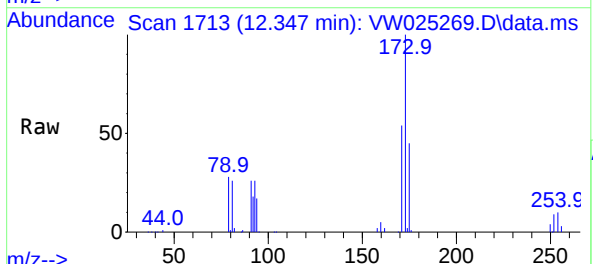
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 66.6  | 44.7  | 83.1  |
| 131 | 10.1  | 7.8   | 11.6  |



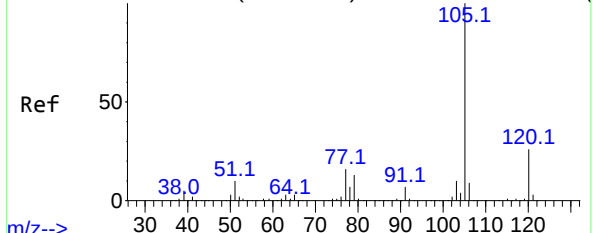
#59  
Bromoform  
Concen: 26.405 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion: 173 Resp: 61994

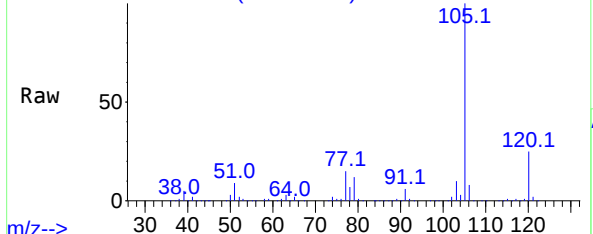
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 47.7  | 38.6  | 58.0  |
| 254 | 9.2   | 7.0   | 10.4  |



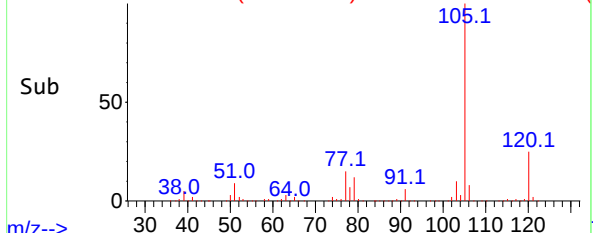
Abundance Scan 1732 (12.463 min): VW025266.D\data.ms (



m/z--> Abundance Scan 1732 (12.463 min): VW025269.D\data.ms



m/z--> Abundance Scan 1732 (12.463 min): VW025269.D\data.ms (



m/z-->

#60

Isopropylbenzene

Concen: 26.699 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. -0.000 min

Lab File: VW025269.D

Acq: 03 Feb 2023 10:41

Instrument :

MSVOA\_W

ClientSampleId :

VICV424

Tgt Ion:105 Resp: 748248

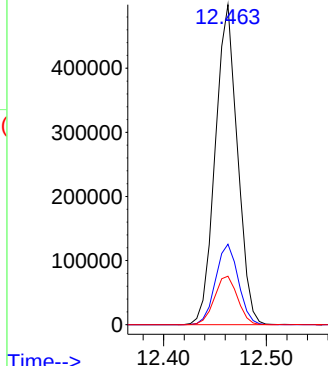
Ion Ratio Lower Upper

105 100

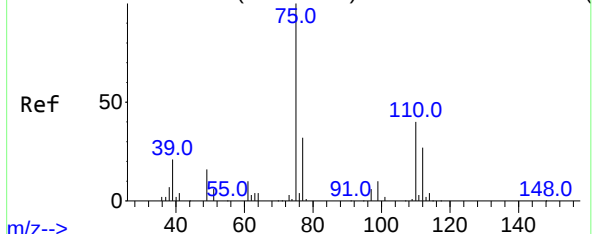
120 25.8 20.6 30.8

77 15.8 12.6 18.8

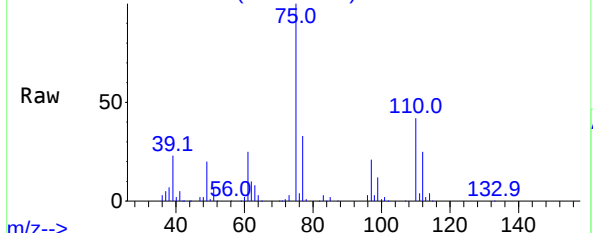
Abundance



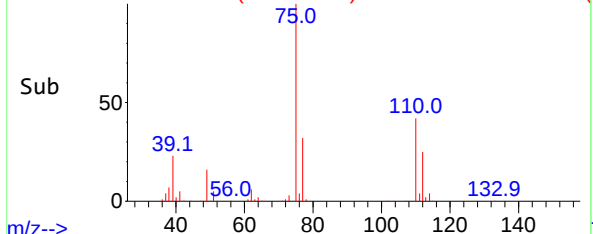
Abundance Scan 1782 (12.768 min): VW025266.D\data.ms (



m/z--> Abundance Scan 1782 (12.767 min): VW025269.D\data.ms



m/z--> Abundance Scan 1782 (12.767 min): VW025269.D\data.ms (



m/z-->

#61

1,2,3-Trichloropropane

Concen: 27.674 ug/L

RT: 12.767 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VW025269.D

Acq: 03 Feb 2023 10:41

Tgt Ion: 75 Resp: 81424

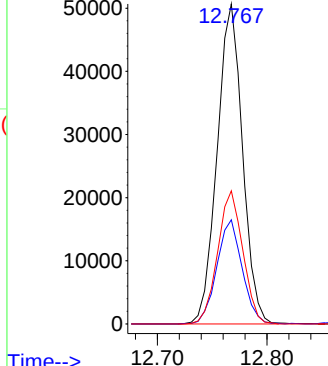
Ion Ratio Lower Upper

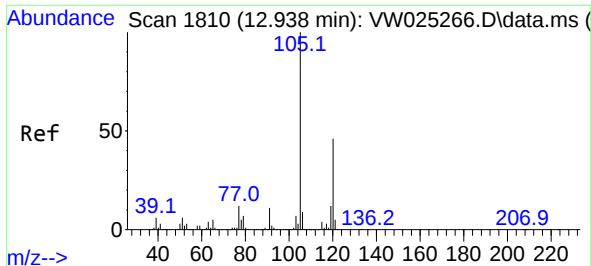
75 100

77 32.6 26.7 40.1

110 41.2 33.2 49.8

Abundance

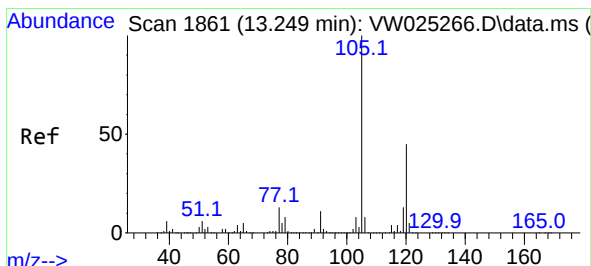
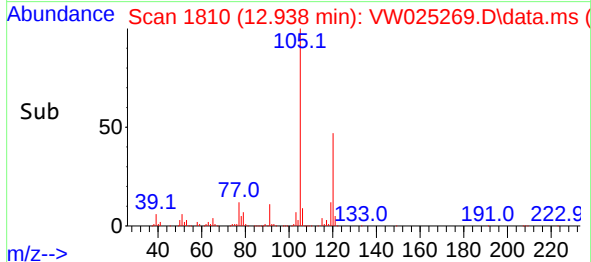
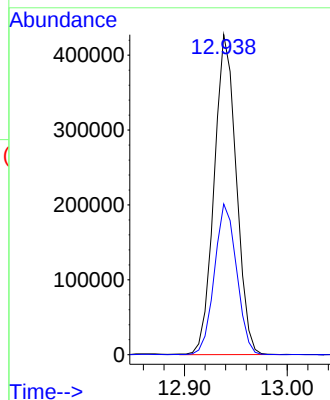
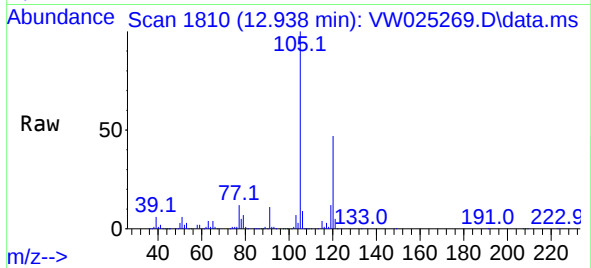




#62  
1,3,5-Trimethylbenzene  
Concen: 28.214 ug/L  
RT: 12.938 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

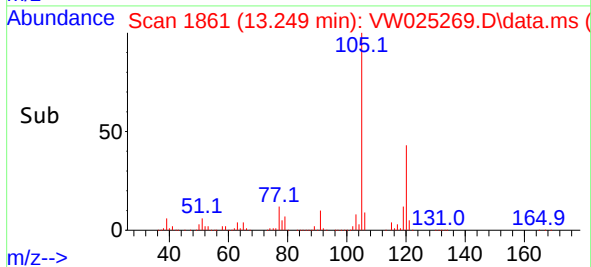
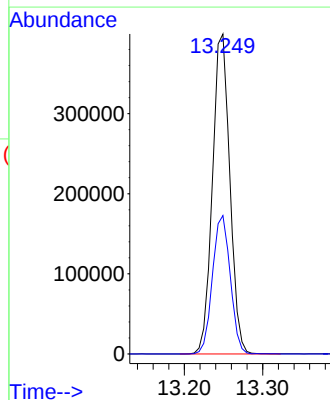
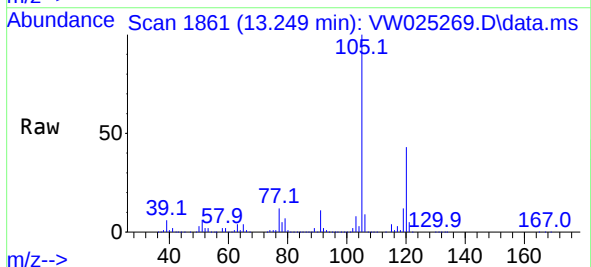
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

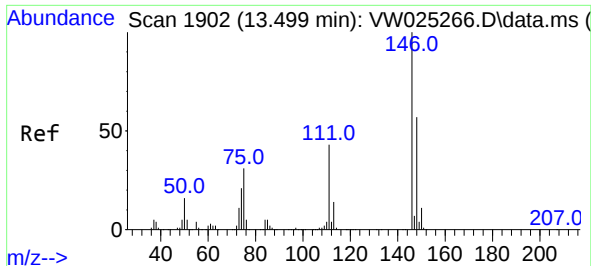
Tgt Ion:105 Resp: 637439  
Ion Ratio Lower Upper  
105 100  
120 47.3 37.0 55.4



#63  
1,2,4-Trimethylbenzene  
Concen: 27.200 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion:105 Resp: 615761  
Ion Ratio Lower Upper  
105 100  
120 44.1 35.0 52.4

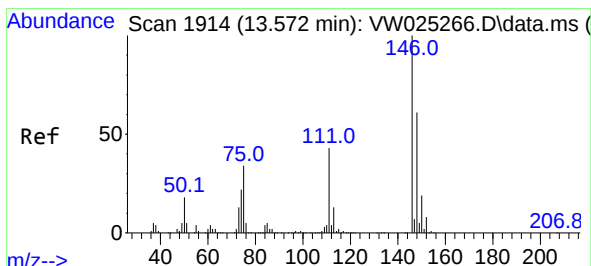
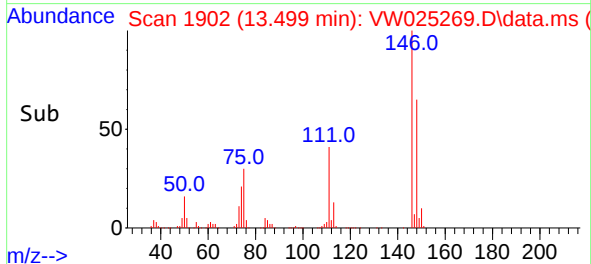
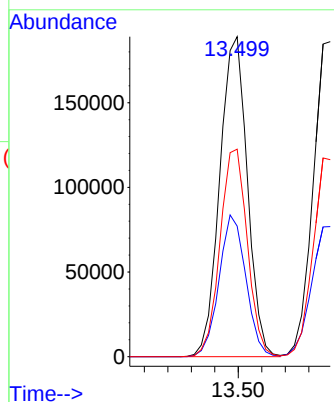
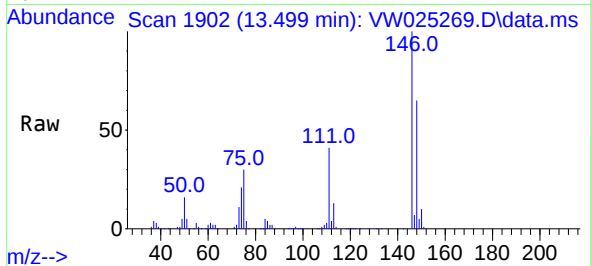




#64  
1,3-Dichlorobenzene  
Concen: 26.532 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

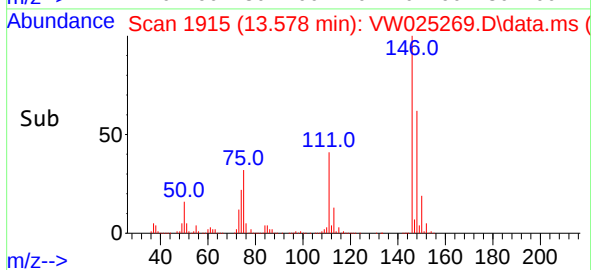
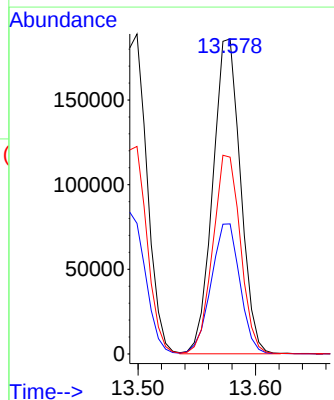
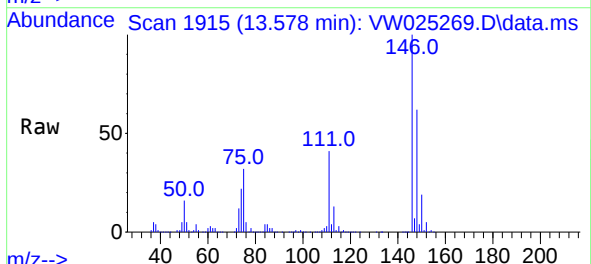
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

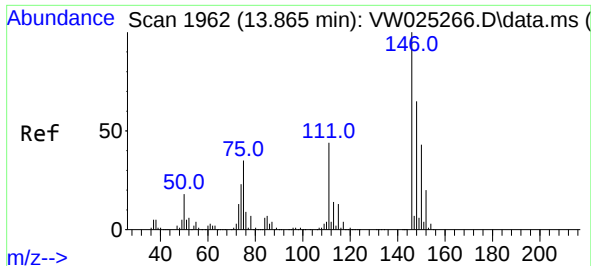
Tgt Ion:146 Resp: 308063  
Ion Ratio Lower Upper  
146 100  
111 40.8 29.0 53.8  
148 64.9 41.7 77.5



#65  
1,4-Dichlorobenzene  
Concen: 26.603 ug/L  
RT: 13.578 min Scan# 1915  
Delta R.T. 0.006 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Tgt Ion:146 Resp: 304810  
Ion Ratio Lower Upper  
146 100  
111 41.3 29.3 54.3  
148 62.5 43.8 81.4

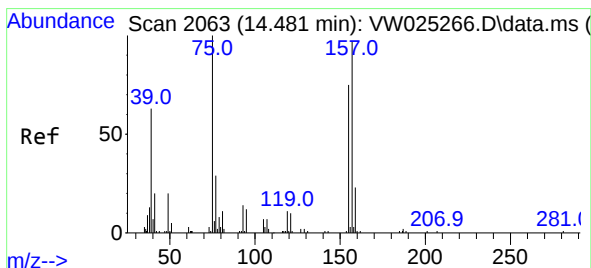
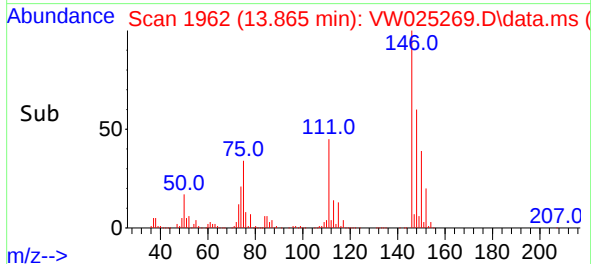
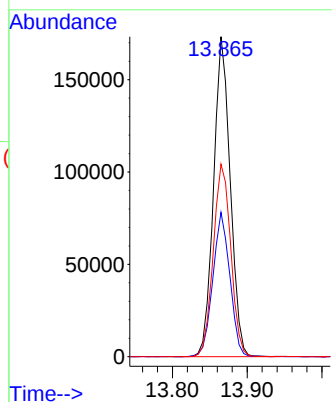
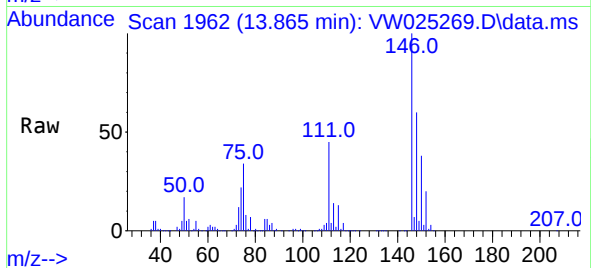




#67  
1,2-Dichlorobenzene  
Concen: 26.892 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

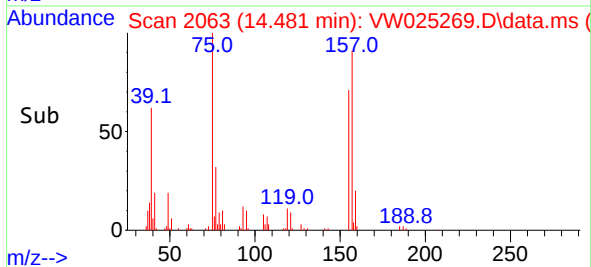
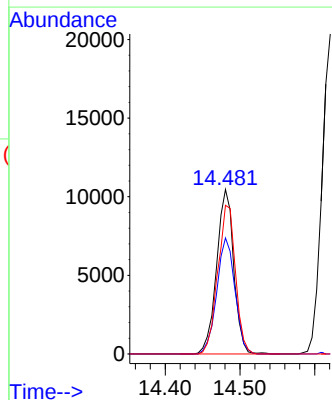
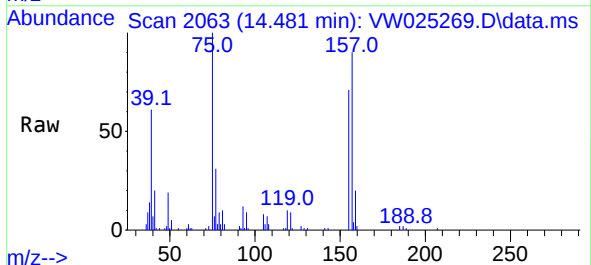
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

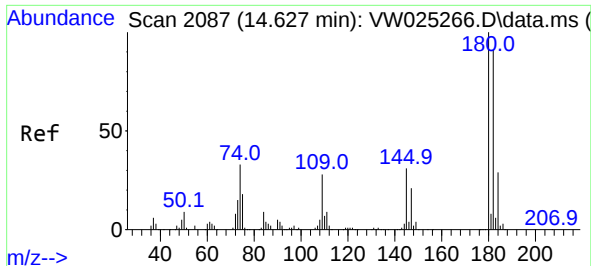
Tgt Ion:146 Resp: 269079  
Ion Ratio Lower Upper  
146 100  
111 45.1 36.2 54.2  
148 60.2 50.2 75.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 24.231 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

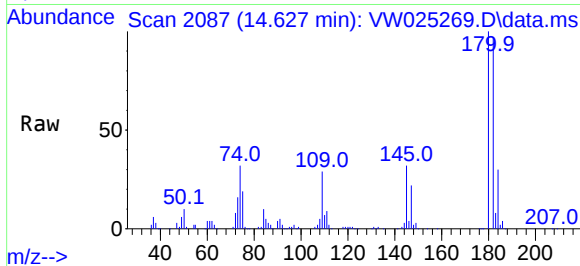
Tgt Ion: 75 Resp: 16651  
Ion Ratio Lower Upper  
75 100  
155 70.5 63.4 95.2  
157 90.4 82.5 123.7



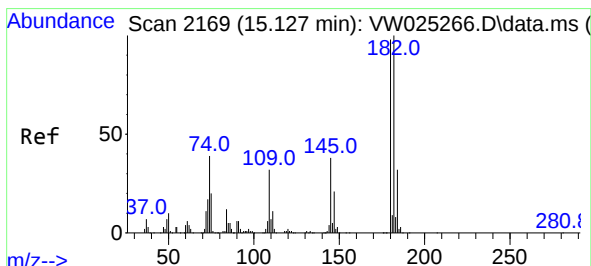
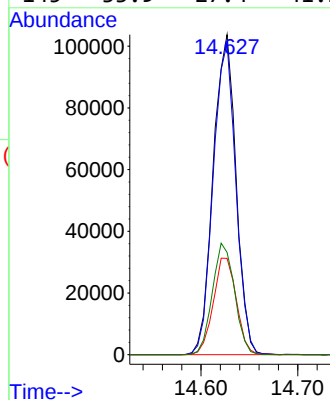
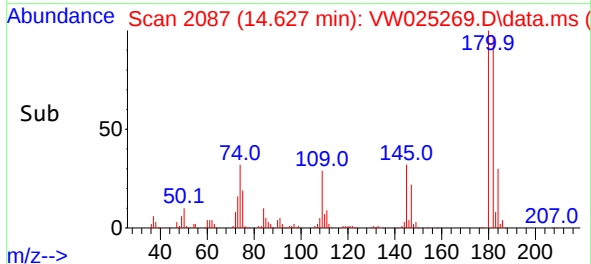


#69  
1,3,5-Trichlorobenzene  
Concen: 22.545 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

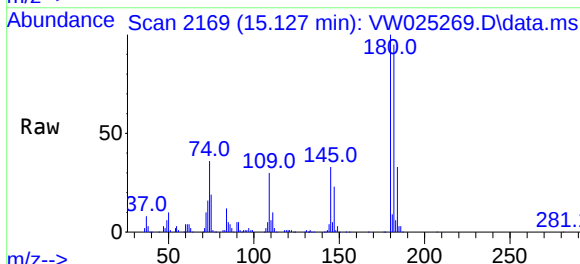
Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424



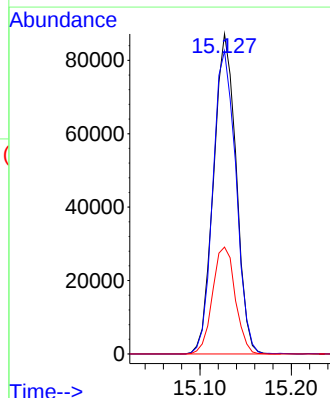
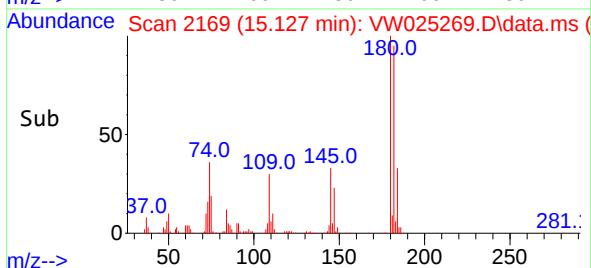
Tgt Ion:180 Resp: 170235  
Ion Ratio Lower Upper  
180 100  
182 96.2 77.7 116.5  
184 30.5 24.4 36.6  
145 33.9 27.4 41.2

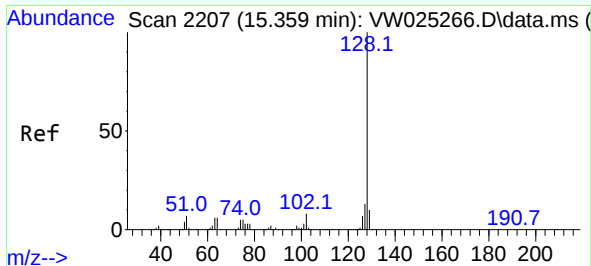


#70  
1,2,4-trichlorobenzene  
Concen: 24.320 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41



Tgt Ion:180 Resp: 149529  
Ion Ratio Lower Upper  
180 100  
182 96.5 76.4 114.6  
145 33.7 27.4 41.2

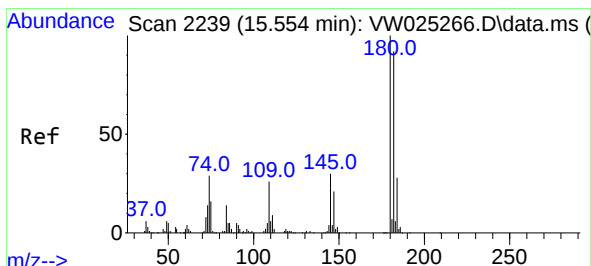
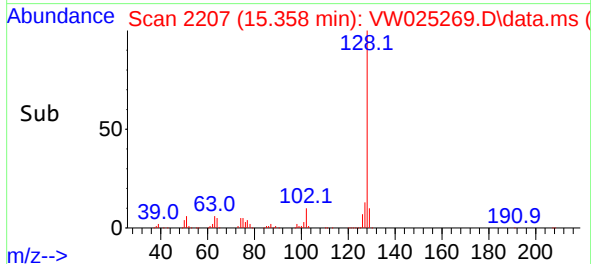
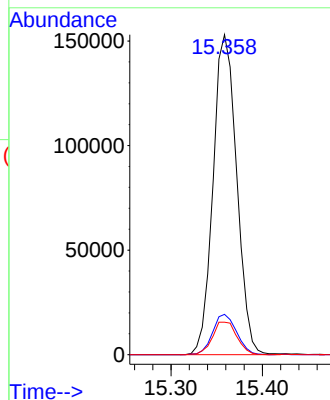
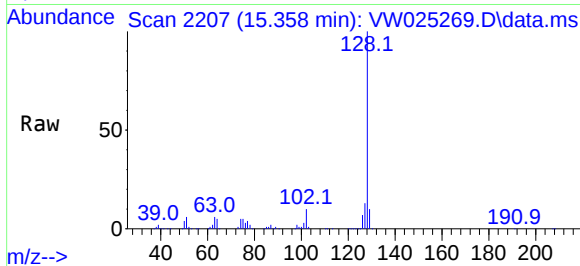




#71  
Naphthalene  
Concen: 24.485 ug/L  
RT: 15.358 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV424

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 275201 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.8  | 10.4  | 15.6   |
| 129      | 10.6  | 8.7   | 13.1   |



#72  
1,2,3-Trichlorobenzene  
Concen: 21.730 ug/L  
RT: 15.547 min Scan# 2238  
Delta R.T. -0.006 min  
Lab File: VW025269.D  
Acq: 03 Feb 2023 10:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 114713 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.7  | 75.1  | 112.7  |
| 145      | 35.2  | 28.8  | 43.2   |

