

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071224\  
 Data File : VW029566.D  
 Acq On : 12 Jul 2024 21:32  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 12 23:31:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 12 23:17:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 306699   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 270771   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.550 | 152   | 133880   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 115122   | 23.236   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 92.960%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 89536    | 25.098   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 100.400% |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 56272    | 25.293   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 101.160% |
| 21) 2-Butanone-d5             | 7.075  | 46    | 68925    | 46.343   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 92.680%  |
| 24) Chloroform-d              | 7.648  | 84    | 244883   | 27.619   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 110.480% |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 138435   | 26.619   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 106.480% |
| 32) Benzene-d6                | 8.270  | 84    | 479982   | 29.591   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 118.360% |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 155046   | 29.895   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 119.600% |
| 41) Toluene-d8                | 10.319 | 98    | 433026   | 30.355   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 121.440% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 55751    | 25.385   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 101.560% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 48969    | 51.961   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 103.920% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 108571   | 25.784   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 103.120% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 131052   | 28.108   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 112.440% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 54252    | 18.064   | ug/L   | 93       |
| 3) Chloromethane              | 2.222  | 50    | 93922    | 23.374   | ug/L   | 95       |
| 5) Vinyl chloride             | 2.375  | 62    | 112162   | 24.460   | ug/L   | 95       |
| 6) Bromomethane               | 2.789  | 94    | 68190    | 25.115   | ug/L   | 91       |
| 8) Chloroethane               | 2.936  | 64    | 74720    | 26.481   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 96010    | 23.260   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 95971    | 23.625   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 98945    | 25.942   | ug/L   | 94       |
| 13) Acetone                   | 4.118  | 43    | 43320    | 28.858   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.393  | 76    | 297857   | 24.047   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.667  | 43    | 57897    | 21.967   | ug/L   | 99       |
| 16) Methylene chloride        | 4.923  | 84    | 129975   | 23.671   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 111751   | 26.467   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 201495   | 28.048   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 240236   | 27.706   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 131933   | 28.575   | ug/L   | 96       |
| 22) 2-Butanone                | 7.167  | 43    | 73249    | 37.169   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.514  | 128   | 53883    | 25.946   | ug/L   | 97       |
| 25) Chloroform                | 7.679  | 83    | 231694   | 27.616   | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071224\  
 Data File : VW029566.D  
 Acq On : 12 Jul 2024 21:32  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 12 23:31:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 12 23:17:28 2024  
 Response via : Initial Calibration

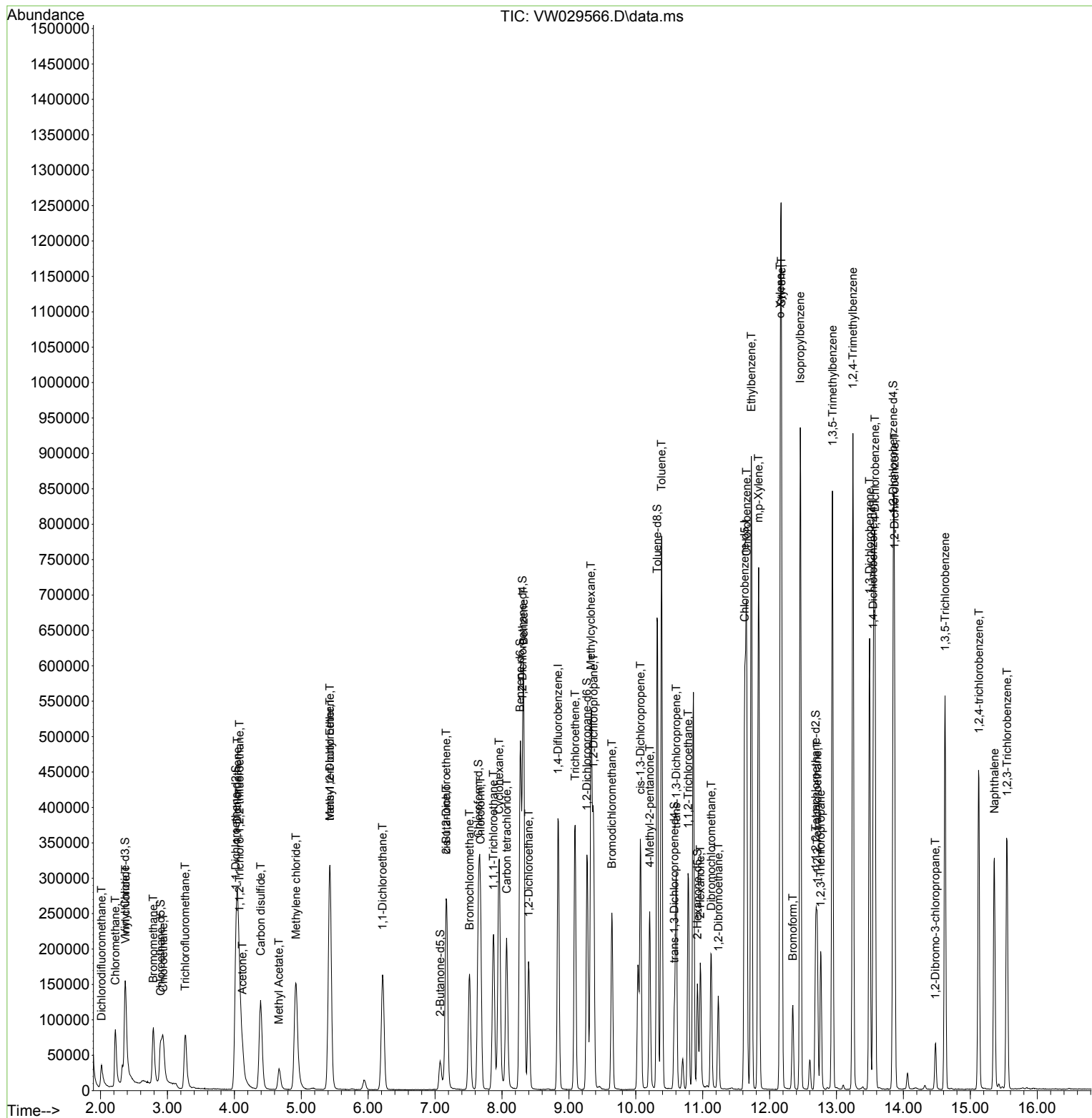
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 164258   | 26.103 | ug/L   | 97       |
| 29) Cyclohexane               | 7.959  | 56   | 197201   | 29.248 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 171988   | 27.815 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 153503   | 27.108 | ug/L   | 98       |
| 33) Benzene                   | 8.325  | 78   | 498935   | 29.451 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 132638   | 29.648 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.331  | 83   | 211513   | 29.414 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 136851   | 29.212 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 166258   | 29.055 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 196724   | 27.958 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 172647   | 52.291 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 530442   | 30.606 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 159459   | 26.441 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 92138    | 27.347 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 117816   | 47.498 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 97593    | 27.834 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 85741    | 26.705 | ug/L   | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 326460   | 29.138 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 607812   | 30.954 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 219831   | 30.496 | ug/L   | 92       |
| 54) o-Xylene                  | 12.160 | 106  | 210853   | 31.626 | ug/L   | 96       |
| 55) Styrene                   | 12.178 | 104  | 362474   | 30.919 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 109908   | 25.861 | ug/L # | 99       |
| 59) Bromoform                 | 12.349 | 173  | 49969    | 24.179 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 580536   | 30.818 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 82264    | 25.389 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 436316   | 32.562 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 476991   | 32.254 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 236326   | 27.989 | ug/L   | 91       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 237286   | 27.431 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 214049   | 28.044 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 16742    | 21.614 | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 151985   | 27.592 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 133729   | 27.591 | ug/L   | 99       |
| 71) Naphthalene               | 15.360 | 128  | 266188   | 26.167 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 112951   | 25.650 | ug/L   | 99       |

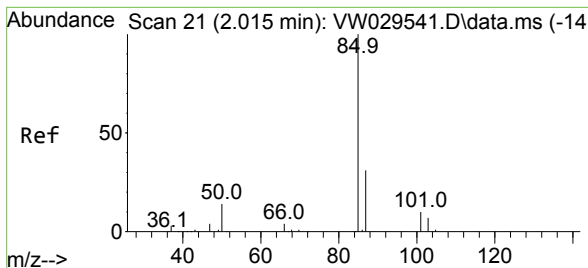
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071224\  
Data File : VW029566.D  
Acq On : 12 Jul 2024 21:32  
Operator : SY/MD  
Sample : VSTDCCC025EC  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Jul 12 23:31:15 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Jul 12 23:17:28 2024  
Response via : Initial Calibration

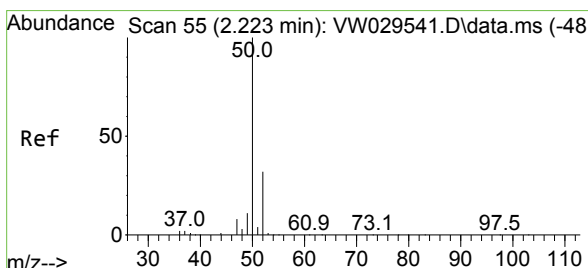
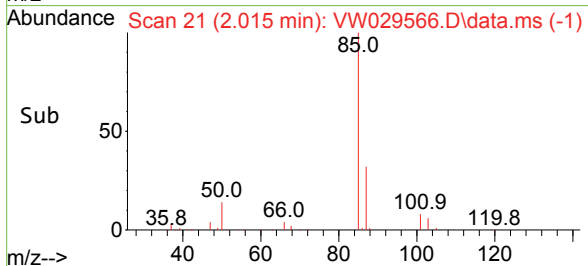
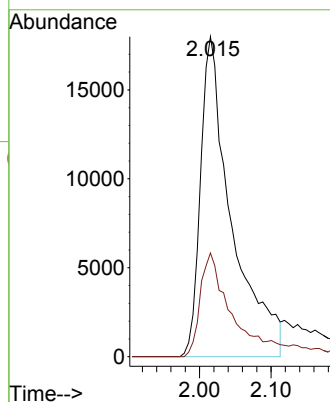
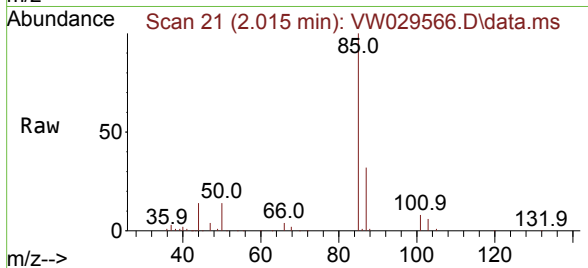




#2  
Dichlorodifluoromethane  
Concen: 18.064 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

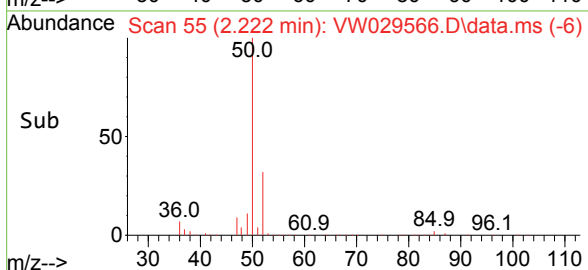
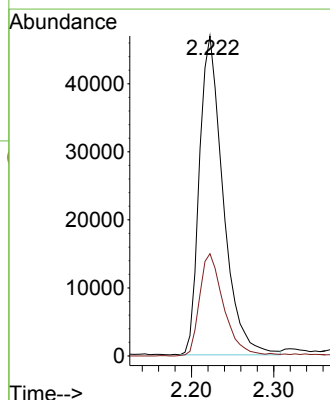
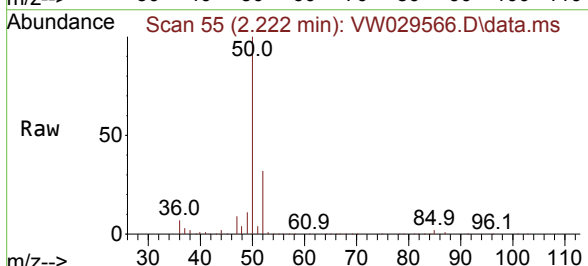
Instrument :  
MSVOA\_W  
ClientSampleId :

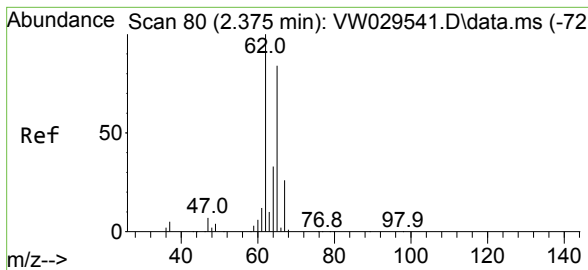
Tgt Ion: 85 Resp: 54252  
Ion Ratio Lower Upper  
85 100  
87 28.9 26.1 39.1



#3  
Chloromethane  
Concen: 23.374 ug/L  
RT: 2.222 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

Tgt Ion: 50 Resp: 93922  
Ion Ratio Lower Upper  
50 100  
52 31.9 24.4 45.2





#5

Vinyl chloride

Concen: 24.460 ug/L

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

Instrument :

MSVOA\_W

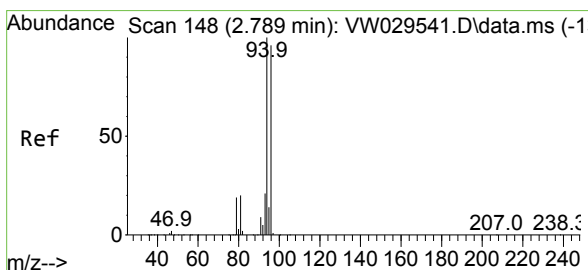
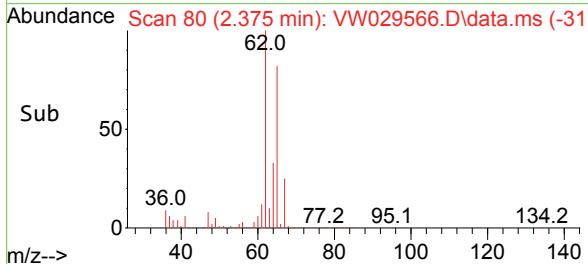
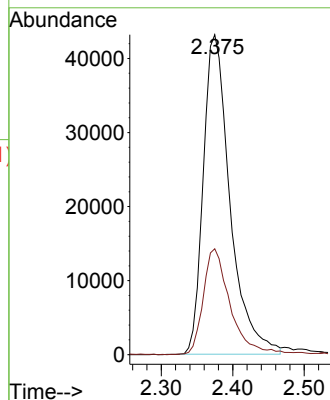
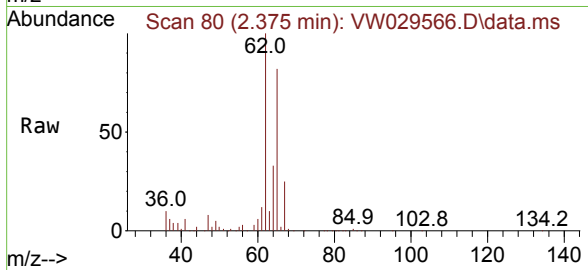
ClientSampleId :

Tgt Ion: 62 Resp: 112162

Ion Ratio Lower Upper

62 100

64 33.1 25.1 46.5



#6

Bromomethane

Concen: 25.115 ug/L

RT: 2.789 min Scan# 148

Delta R.T. -0.000 min

Lab File: VW029566.D

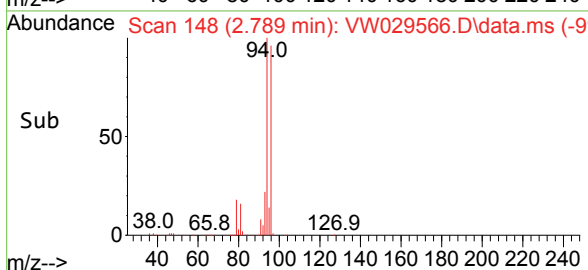
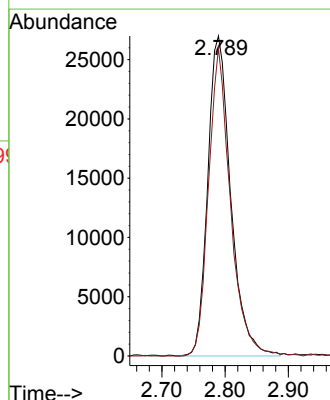
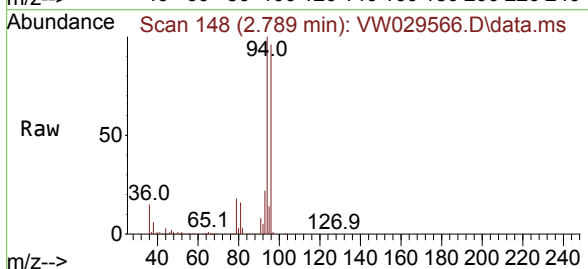
Acq: 12 Jul 2024 21:32

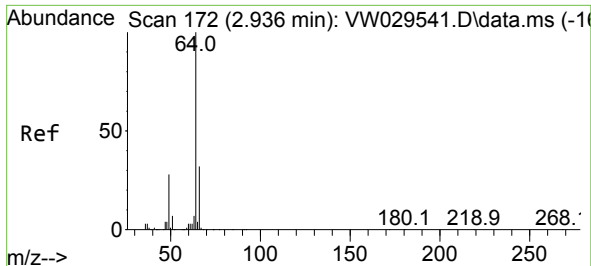
Tgt Ion: 94 Resp: 68190

Ion Ratio Lower Upper

94 100

96 96.2 61.7 114.7

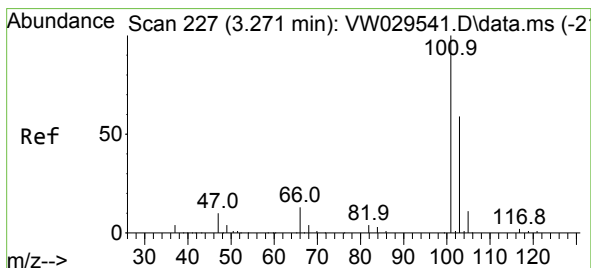
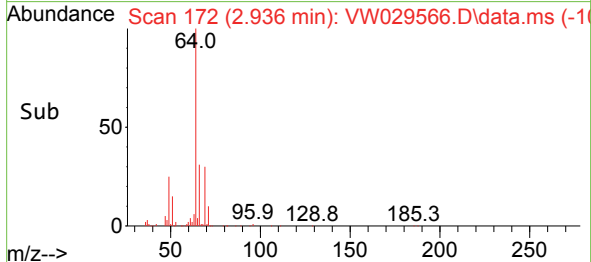
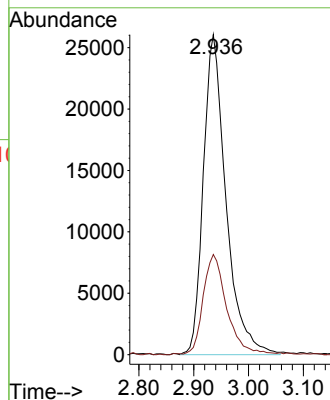
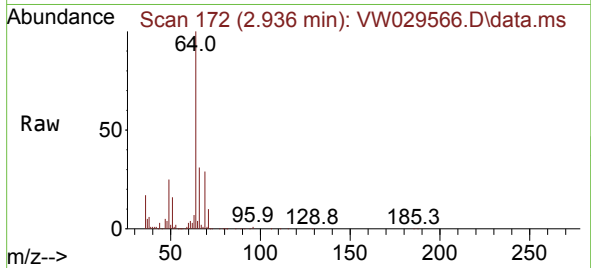




#8  
Chloroethane  
Concen: 26.481 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

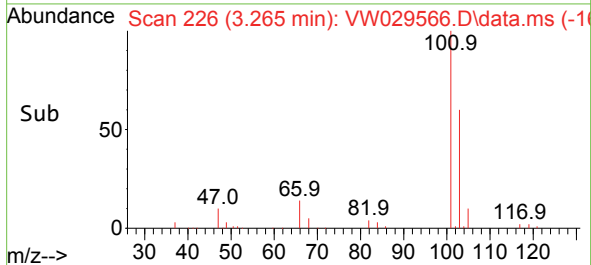
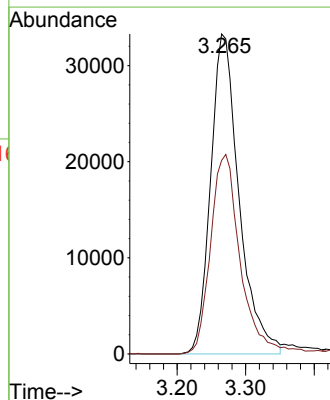
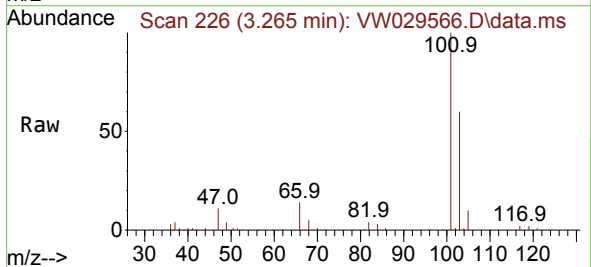
Instrument :  
MSVOA\_W  
ClientSampleId :

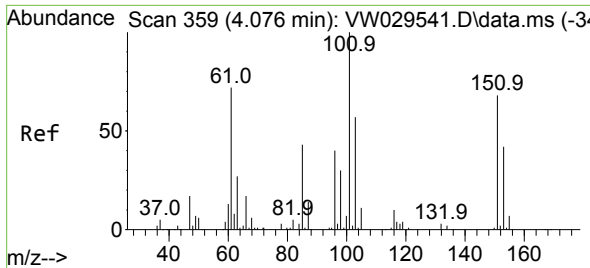
Tgt Ion: 64 Resp: 74720  
Ion Ratio Lower Upper  
64 100  
66 31.3 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 23.260 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

Tgt Ion:101 Resp: 96010  
Ion Ratio Lower Upper  
101 100  
103 64.6 49.6 74.4

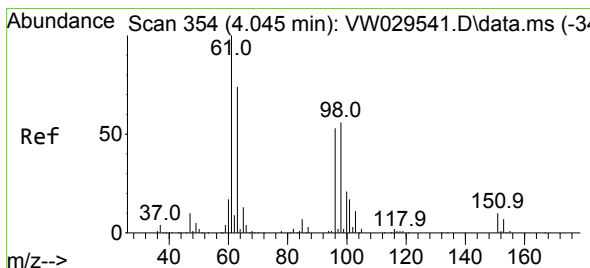
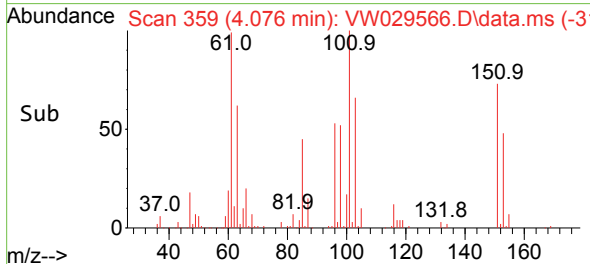
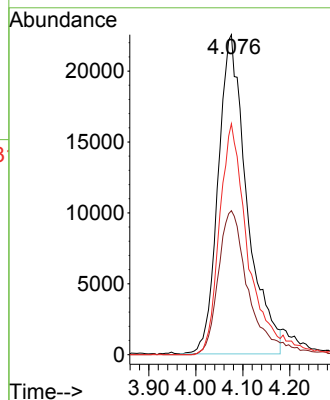
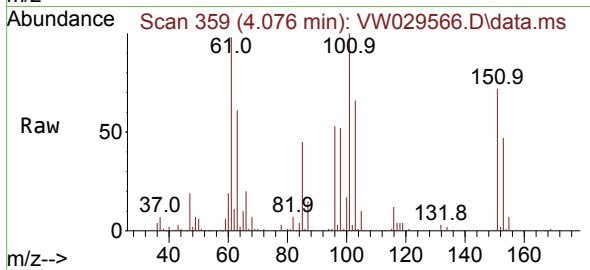




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 23.625 ug/L  
 RT: 4.076 min Scan# 359  
 Delta R.T. -0.000 min  
 Lab File: VW029566.D  
 Acq: 12 Jul 2024 21:32

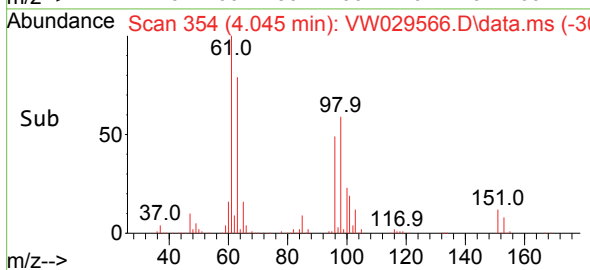
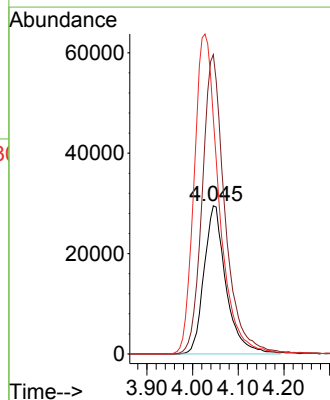
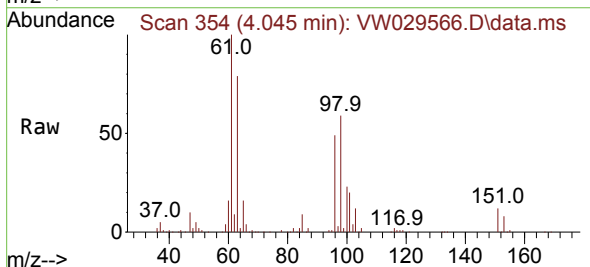
Instrument :  
 MSVOA\_W  
 ClientSampleId :

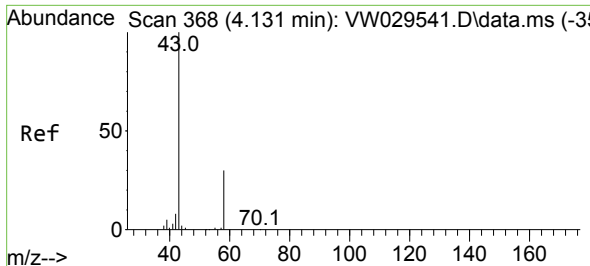
Tgt Ion:101 Resp: 95971  
 Ion Ratio Lower Upper  
 101 100  
 85 46.9 33.8 50.8  
 151 69.7 55.4 83.0



#12  
 1,1-Dichloroethene  
 Concen: 25.942 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.000 min  
 Lab File: VW029566.D  
 Acq: 12 Jul 2024 21:32

Tgt Ion: 96 Resp: 98945  
 Ion Ratio Lower Upper  
 96 100  
 61 202.1 132.4 245.8  
 63 159.2 108.4 201.2

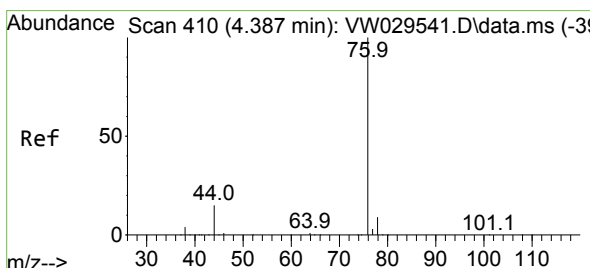
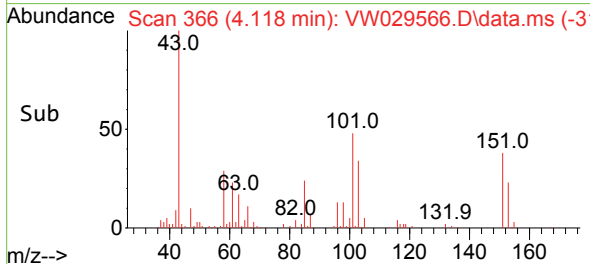
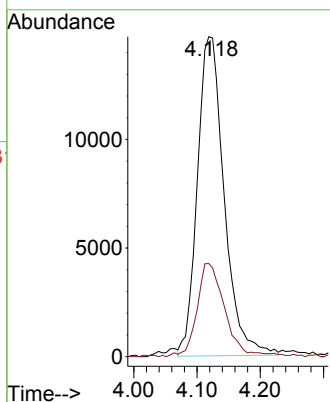
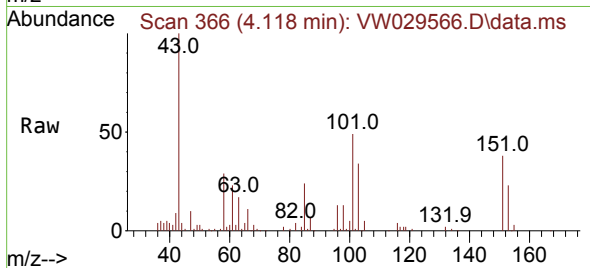




#13  
Acetone  
Concen: 28.858 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. -0.012 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

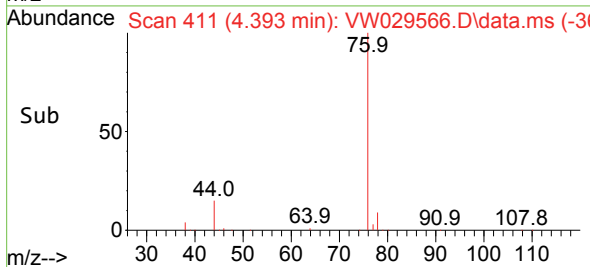
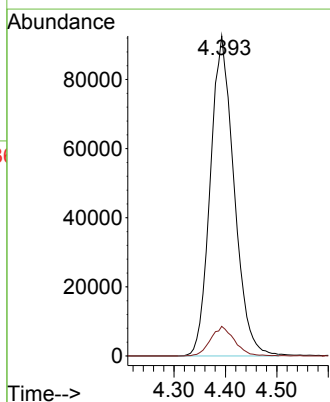
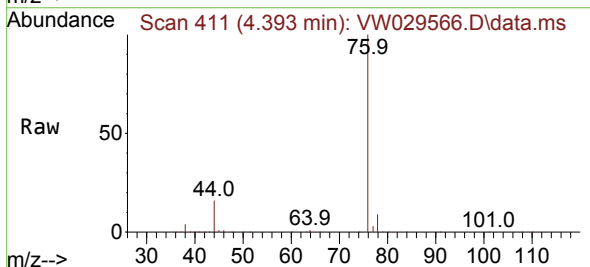
Instrument :  
MSVOA\_W  
ClientSampleId :

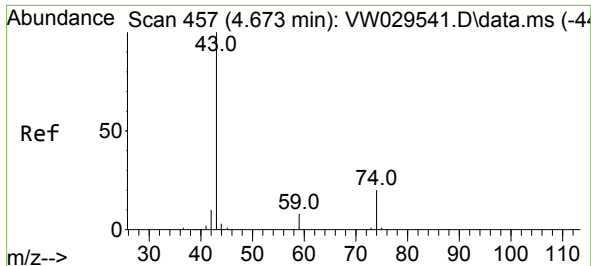
Tgt Ion: 43 Resp: 43320  
Ion Ratio Lower Upper  
43 100  
58 27.5 0.0 55.6



#14  
Carbon disulfide  
Concen: 24.047 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

Tgt Ion: 76 Resp: 297857  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.0 10.4

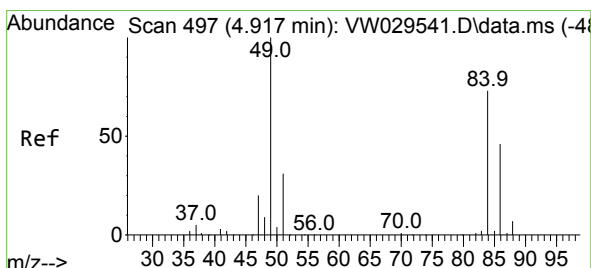
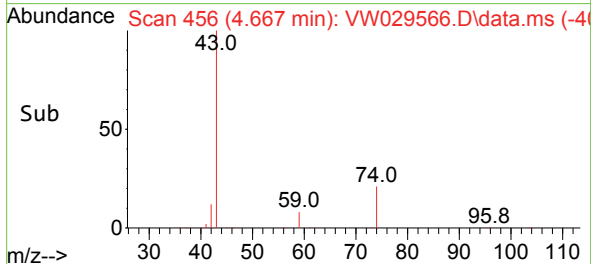
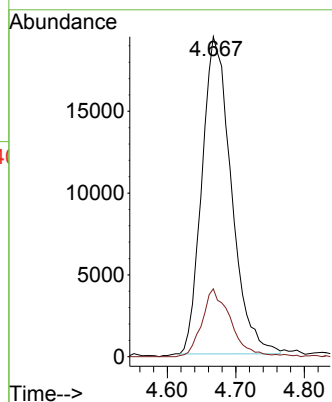
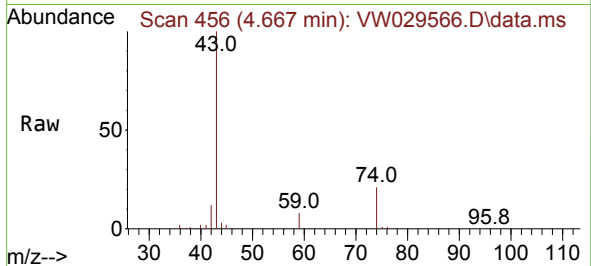




#15  
Methyl Acetate  
Concen: 21.967 ug/L  
RT: 4.667 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

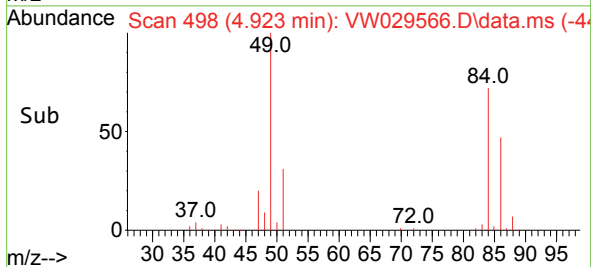
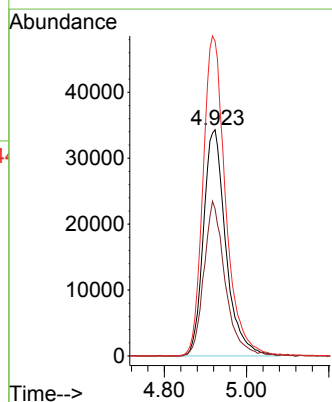
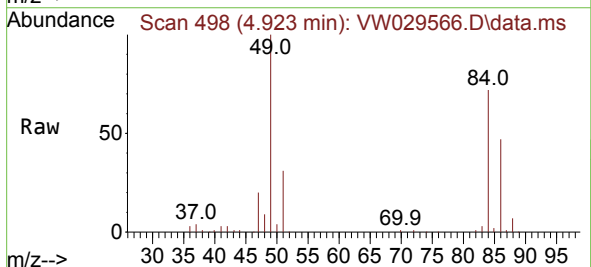
Instrument :  
MSVOA\_W  
ClientSampleId :

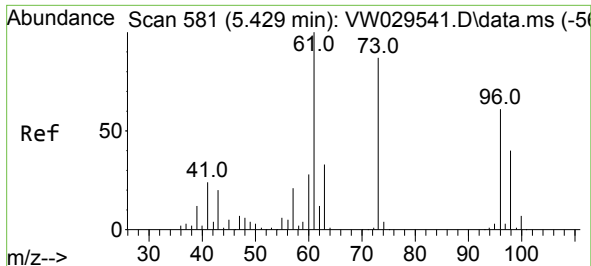
Tgt Ion: 43 Resp: 57897  
Ion Ratio Lower Upper  
43 100  
74 20.6 16.2 24.4



#16  
Methylene chloride  
Concen: 23.671 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

Tgt Ion: 84 Resp: 129975  
Ion Ratio Lower Upper  
84 100  
86 65.0 46.2 85.8  
49 139.1 96.7 179.7





#17

trans-1,2-Dichloroethene

Concen: 26.467 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

Instrument :

MSVOA\_W

ClientSampleId :

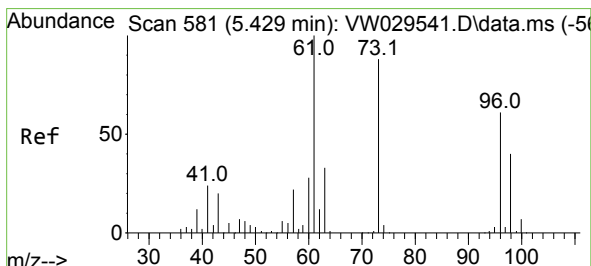
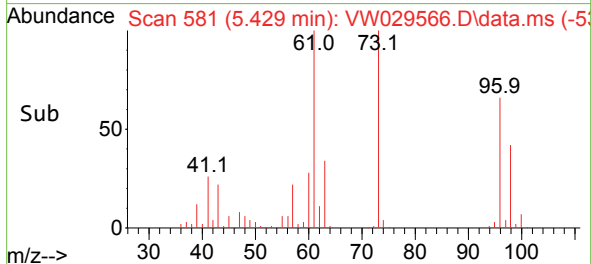
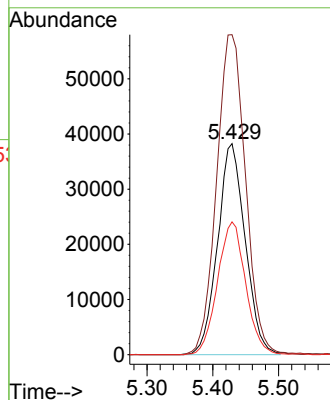
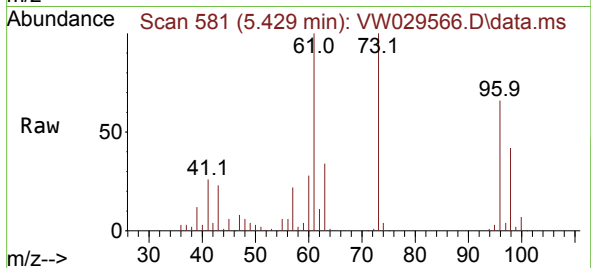
Tgt Ion: 96 Resp: 111751

Ion Ratio Lower Upper

96 100

61 151.6 102.9 191.1

98 62.9 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 28.048 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

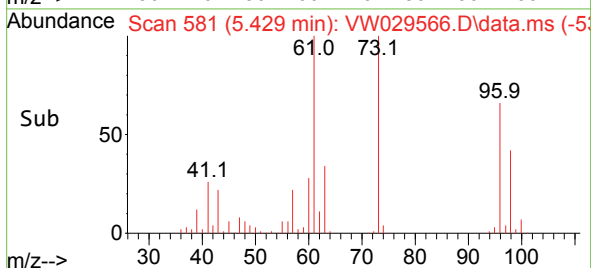
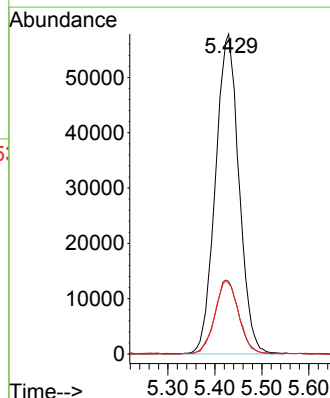
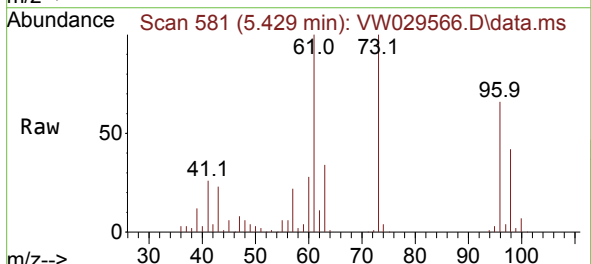
Tgt Ion: 73 Resp: 201495

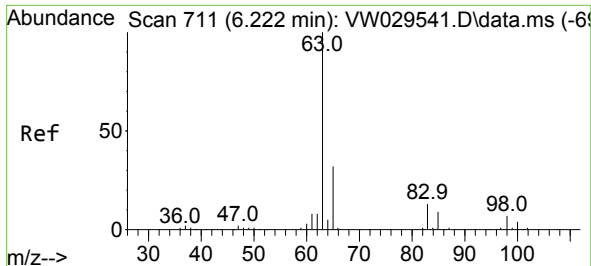
Ion Ratio Lower Upper

73 100

43 23.0 18.7 28.1

57 23.2 18.9 28.3





#19

1,1-Dichloroethane

Concen: 27.706 ug/L

RT: 6.216 min Scan# 711

Delta R.T. -0.006 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

Instrument :

MSVOA\_W

ClientSampleId :

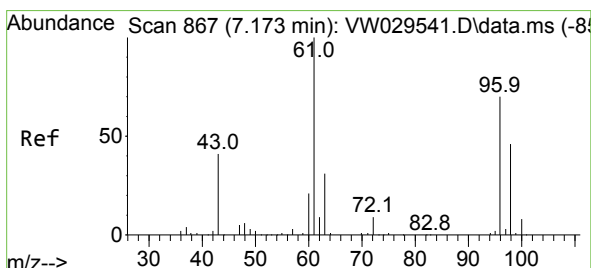
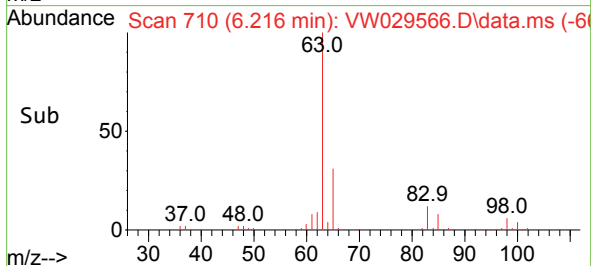
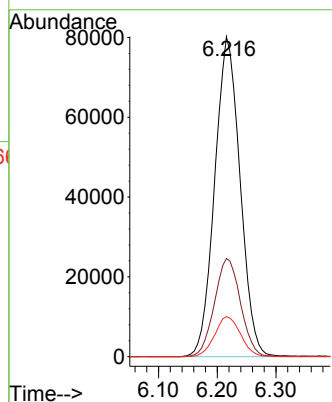
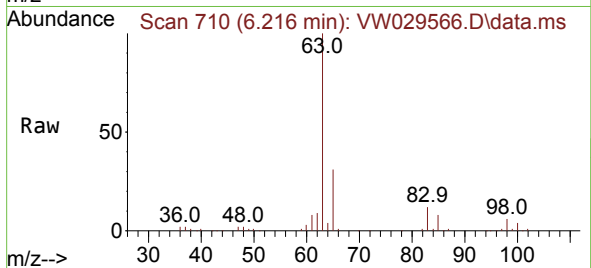
Tgt Ion: 63 Resp: 240236

Ion Ratio Lower Upper

63 100

65 30.7 21.5 39.9

83 12.5 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 28.575 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

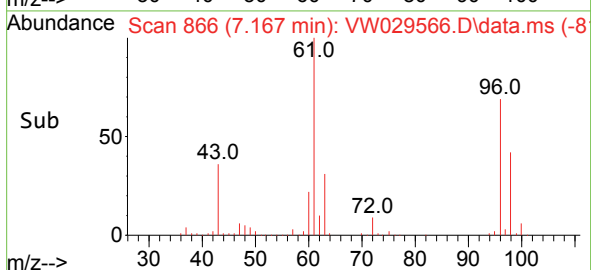
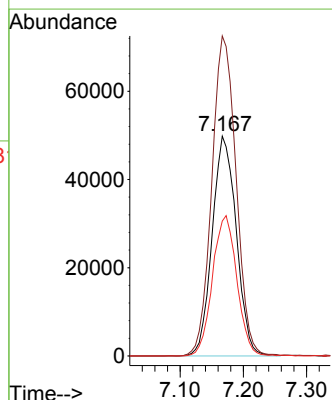
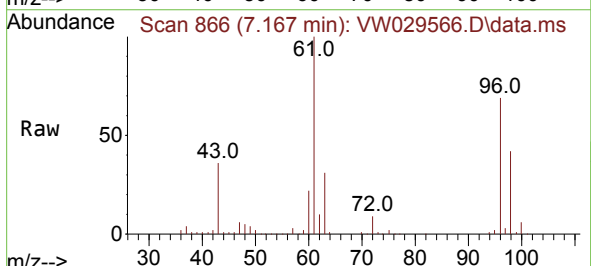
Tgt Ion: 96 Resp: 131933

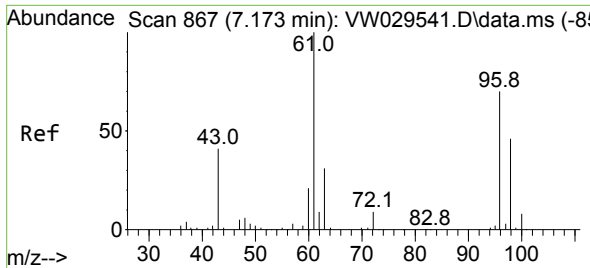
Ion Ratio Lower Upper

96 100

61 145.5 97.4 180.8

98 61.3 41.6 77.2

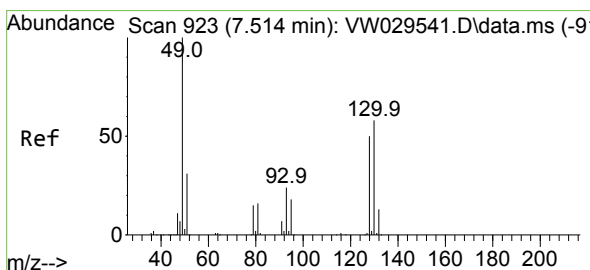
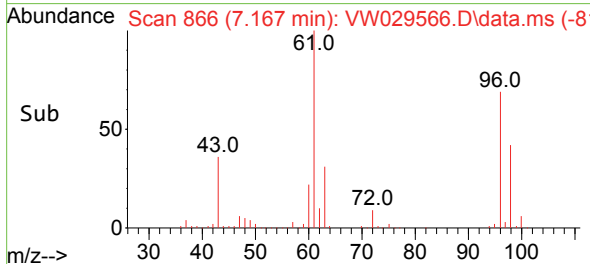
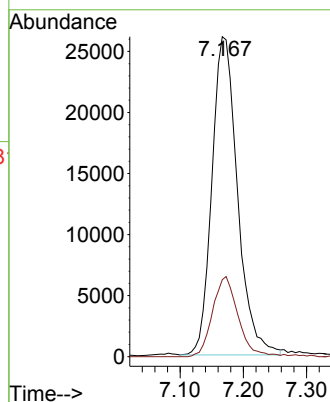
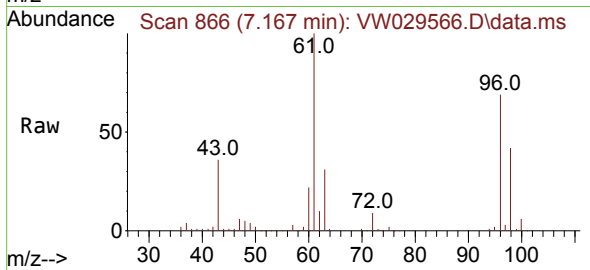




#22  
2-Butanone  
Concen: 37.169 ug/L  
RT: 7.167 min Scan# 867  
Delta R.T. -0.006 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

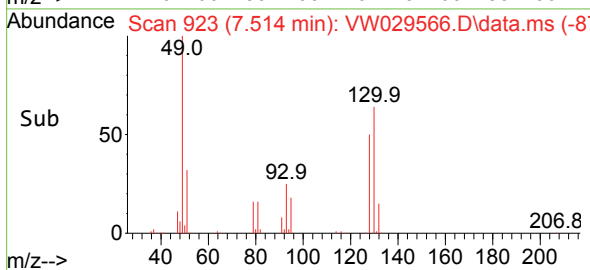
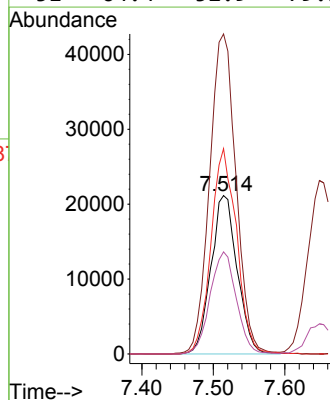
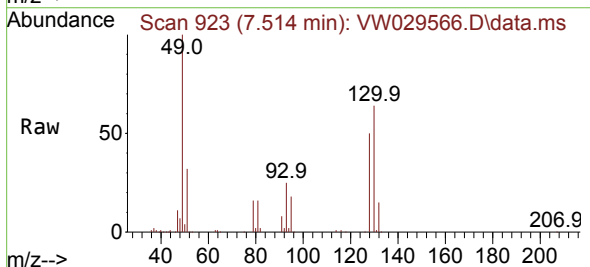
Instrument :  
MSVOA\_W  
ClientSampleId :

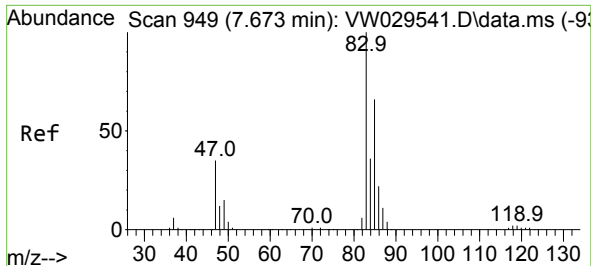
Tgt Ion: 43 Resp: 73249  
Ion Ratio Lower Upper  
43 100  
72 24.8 12.0 36.1



#23  
Bromochloromethane  
Concen: 25.946 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

Tgt Ion:128 Resp: 53883  
Ion Ratio Lower Upper  
128 100  
49 201.9 146.2 271.4  
130 129.5 91.9 170.7  
51 64.4 52.9 79.3

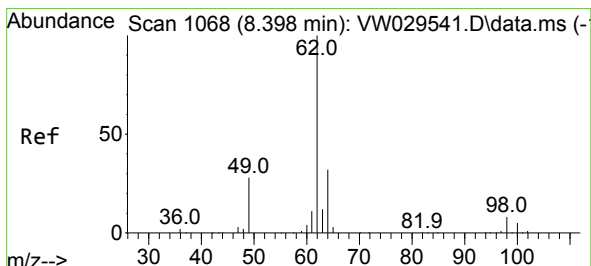
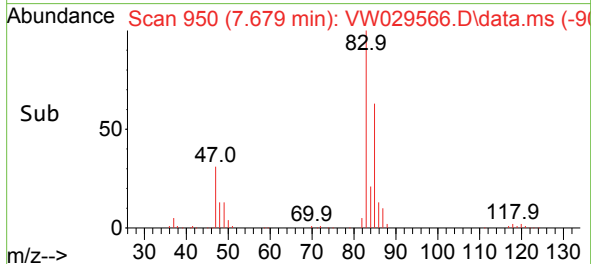
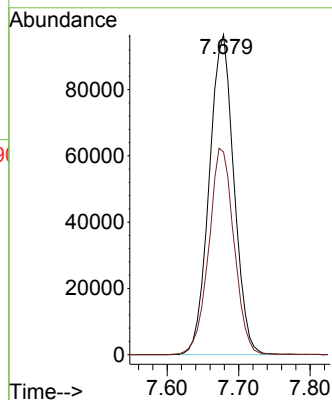
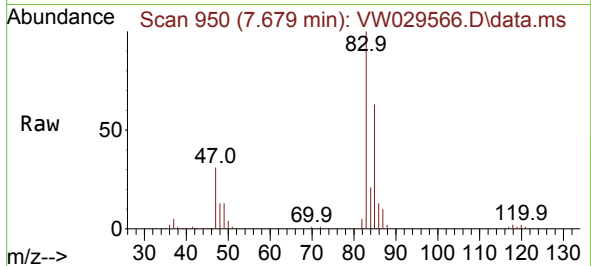




#25  
Chloroform  
Concen: 27.616 ug/L  
RT: 7.679 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

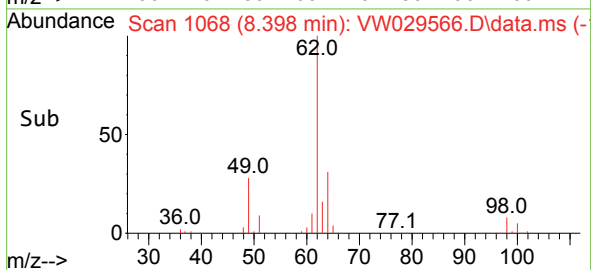
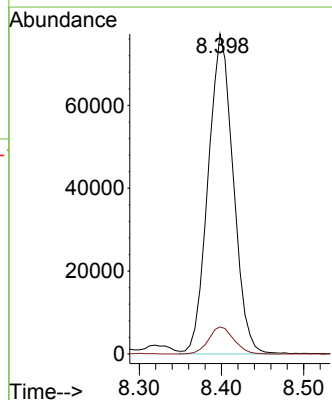
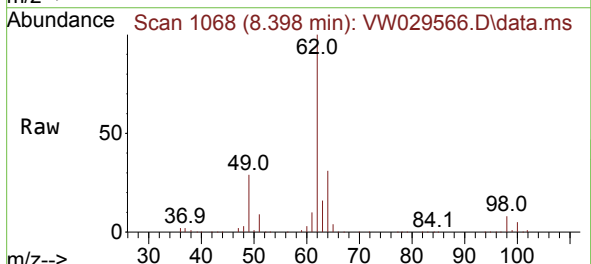
Instrument :  
MSVOA\_W  
ClientSampleId :

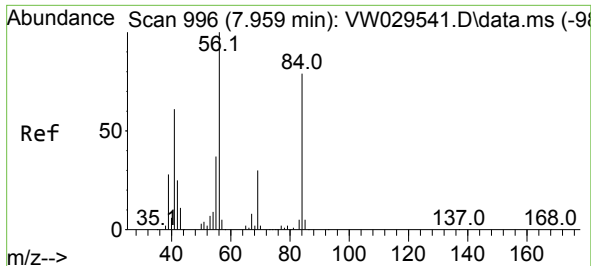
Tgt Ion: 83 Resp: 231694  
Ion Ratio Lower Upper  
83 100  
85 63.4 44.1 81.9



#27  
1,2-Dichloroethane  
Concen: 26.103 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

Tgt Ion: 62 Resp: 164258  
Ion Ratio Lower Upper  
62 100  
98 8.5 6.0 9.0





#29

Cyclohexane

Concen: 29.248 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

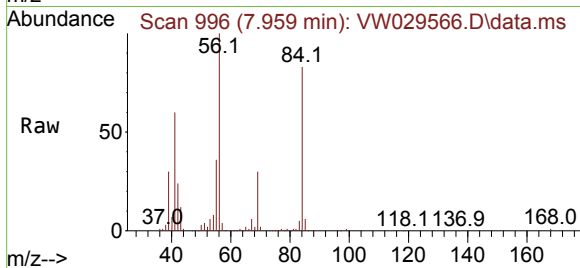
Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

Instrument :

MSVOA\_W

ClientSampleId :



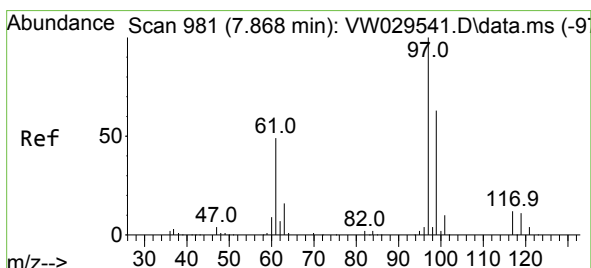
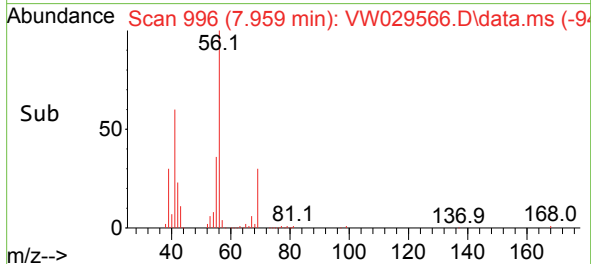
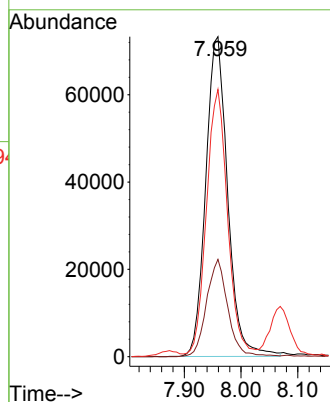
Tgt Ion: 56 Resp: 197201

Ion Ratio Lower Upper

56 100

69 29.5 23.3 34.9

84 80.5 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 27.815 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

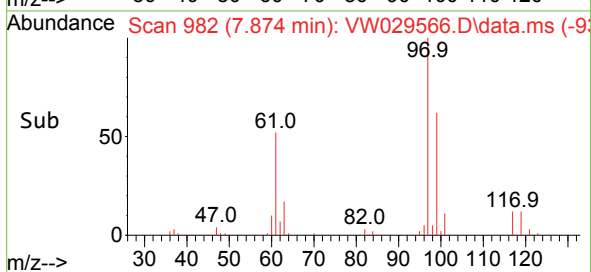
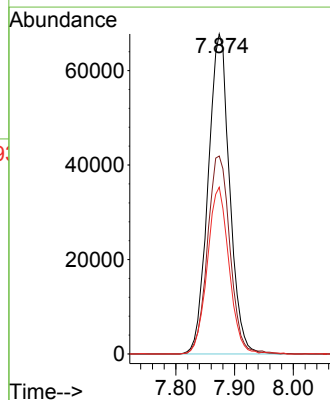
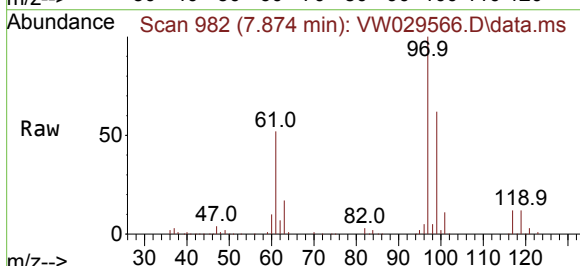
Tgt Ion: 97 Resp: 171988

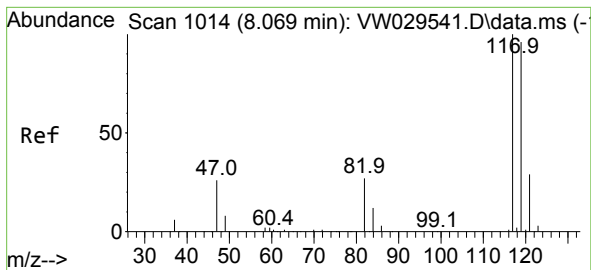
Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

61 52.4 40.6 61.0

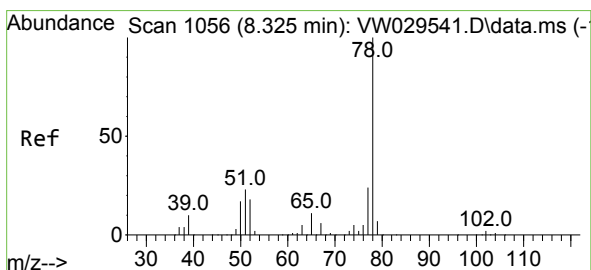
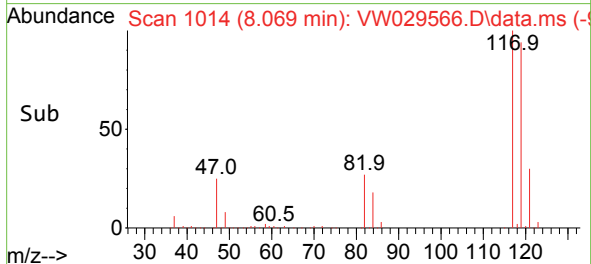
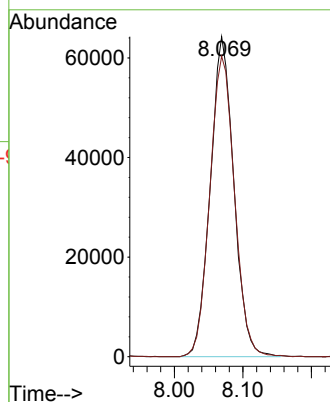
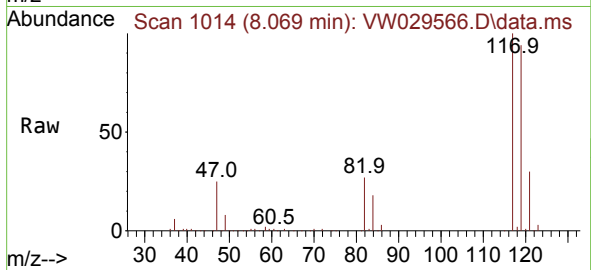




#31  
Carbon tetrachloride  
Concen: 27.108 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

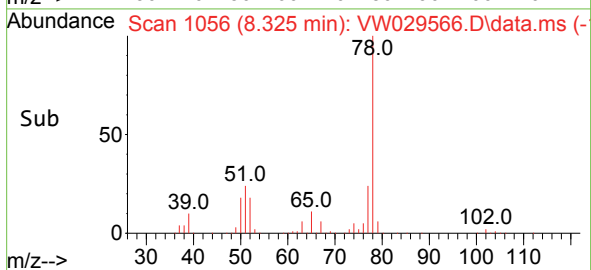
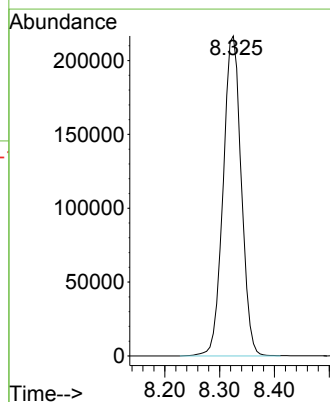
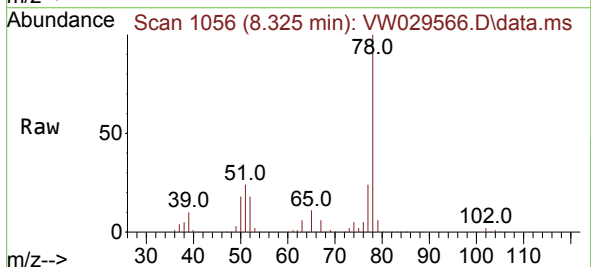
Instrument :  
MSVOA\_W  
ClientSampleId :

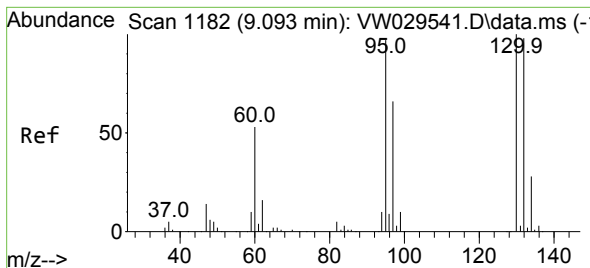
Tgt Ion:117 Resp: 153503  
Ion Ratio Lower Upper  
117 100  
119 98.4 77.0 115.6



#33  
Benzene  
Concen: 29.451 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

Tgt Ion: 78 Resp: 498935





#34

Trichloroethene

Concen: 29.648 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

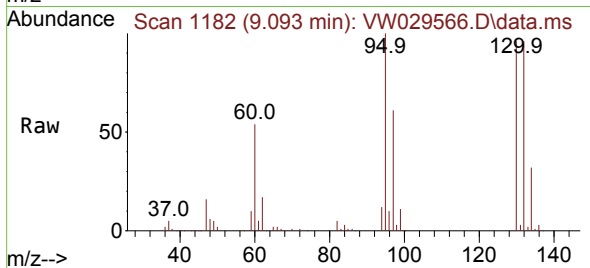
Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 132638

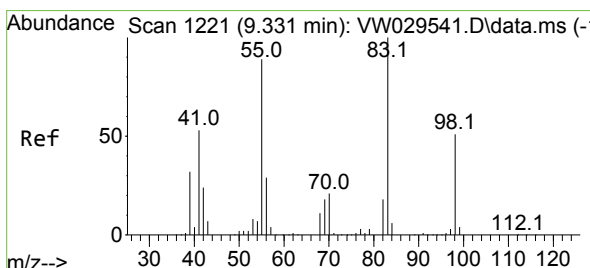
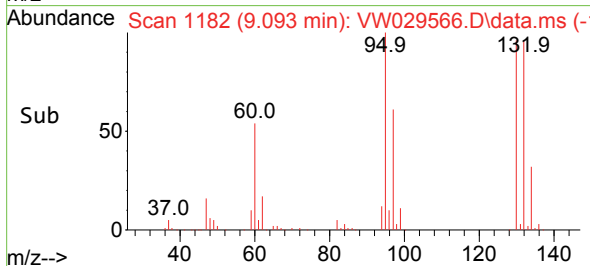
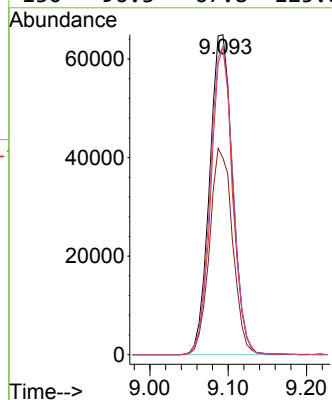
Ion Ratio Lower Upper

95 100

97 61.5 47.3 87.9

132 96.0 65.8 122.2

130 96.3 67.8 125.8



#35

Methylcyclohexane

Concen: 29.414 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

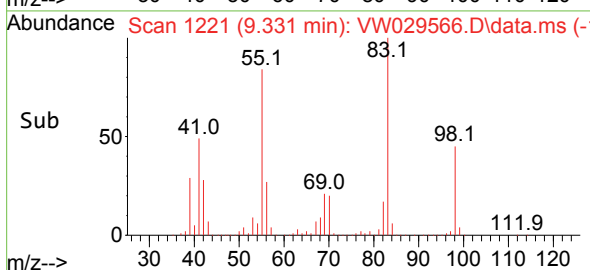
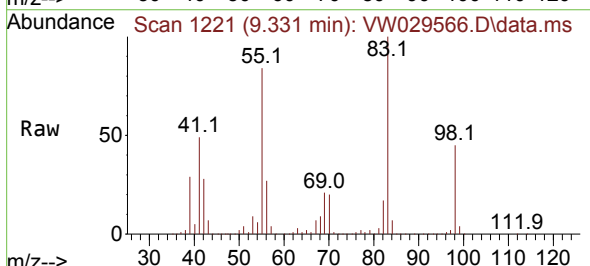
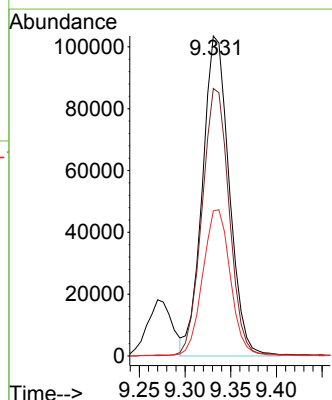
Tgt Ion: 83 Resp: 211513

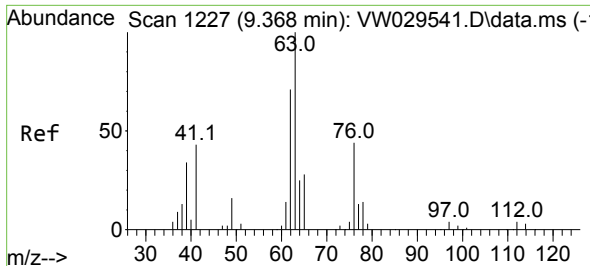
Ion Ratio Lower Upper

83 100

55 84.7 69.6 104.4

98 46.6 38.3 57.5

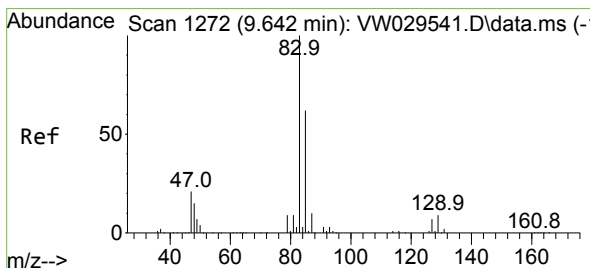
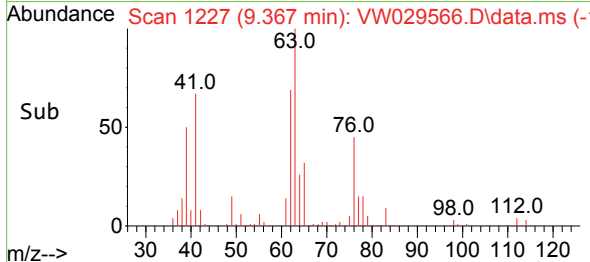
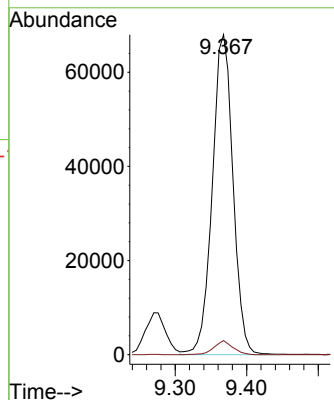
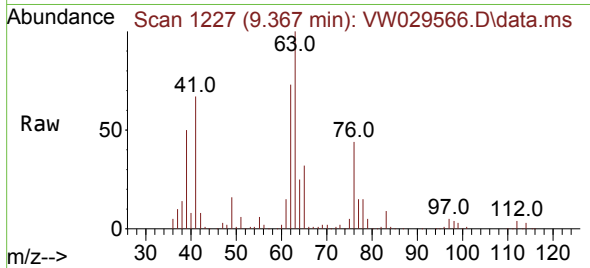




#37  
1,2-Dichloropropane  
Concen: 29.212 ug/L  
RT: 9.367 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

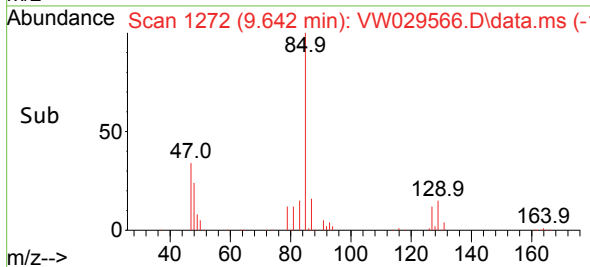
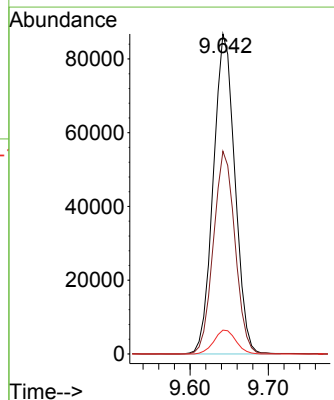
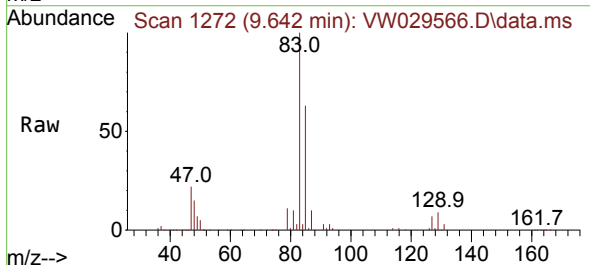
Instrument :  
MSVOA\_W  
ClientSampleId :

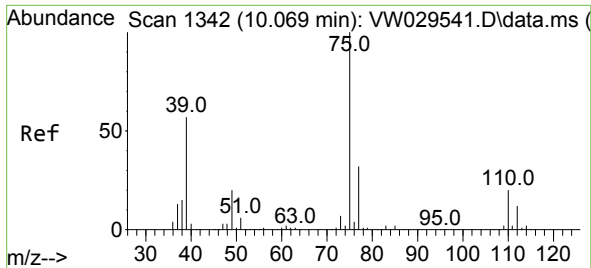
Tgt Ion: 63 Resp: 136851  
Ion Ratio Lower Upper  
63 100  
112 4.0 3.3 4.9



#38  
Bromodichloromethane  
Concen: 29.055 ug/L  
RT: 9.642 min Scan# 1272  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

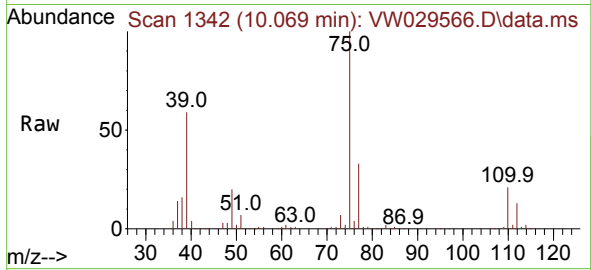
Tgt Ion: 83 Resp: 166258  
Ion Ratio Lower Upper  
83 100  
85 63.3 46.1 85.5  
127 7.4 6.1 9.1



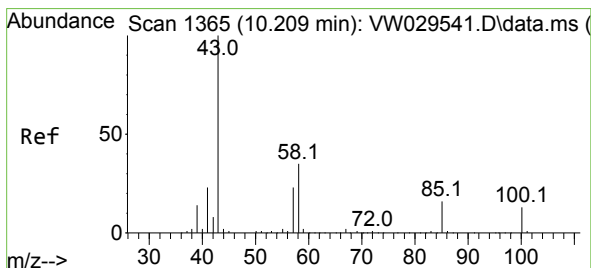
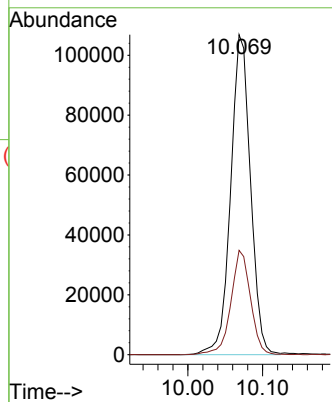
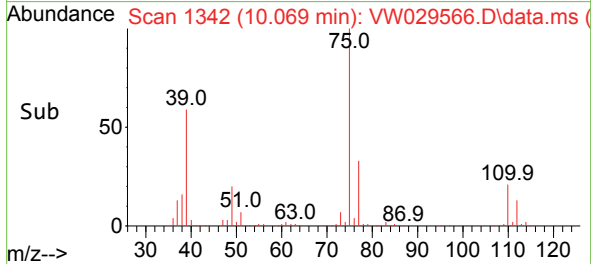


#39  
 cis-1,3-Dichloropropene  
 Concen: 27.958 ug/L  
 RT: 10.069 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW029566.D  
 Acq: 12 Jul 2024 21:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :

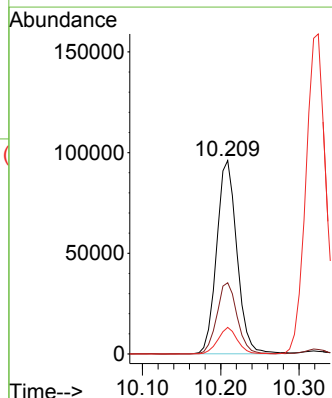
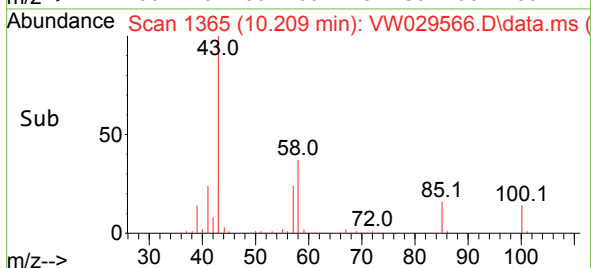
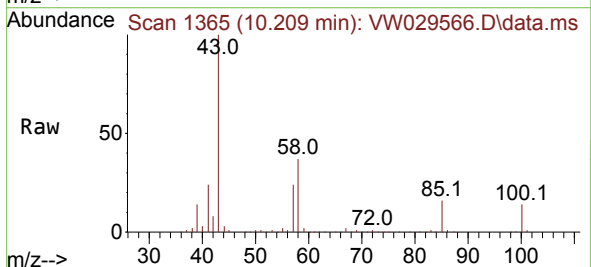


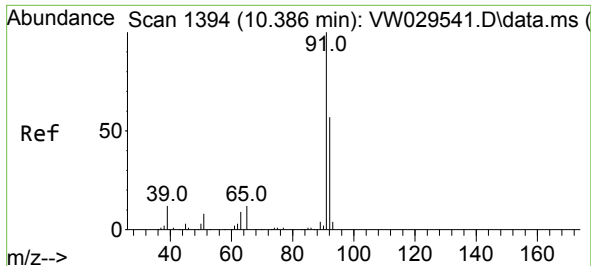
Tgt Ion: 75 Resp: 196724  
 Ion Ratio Lower Upper  
 75 100  
 77 32.6 22.2 41.2



#40  
 4-Methyl-2-pentanone  
 Concen: 52.291 ug/L  
 RT: 10.209 min Scan# 1365  
 Delta R.T. -0.000 min  
 Lab File: VW029566.D  
 Acq: 12 Jul 2024 21:32

Tgt Ion: 43 Resp: 172647  
 Ion Ratio Lower Upper  
 43 100  
 58 37.1 29.0 43.6  
 100 13.3 10.5 15.7

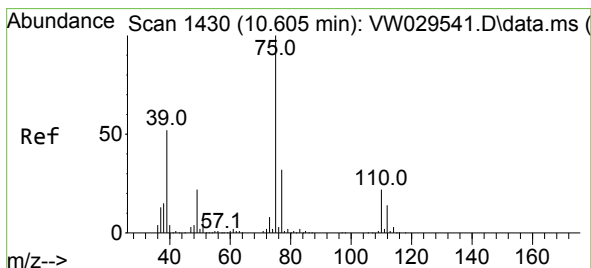
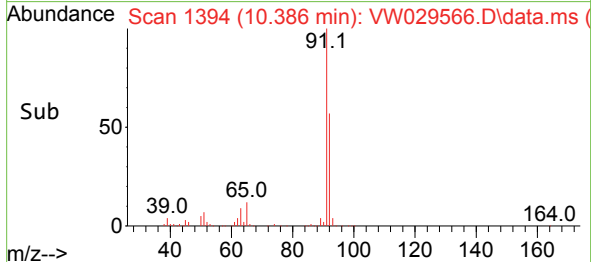
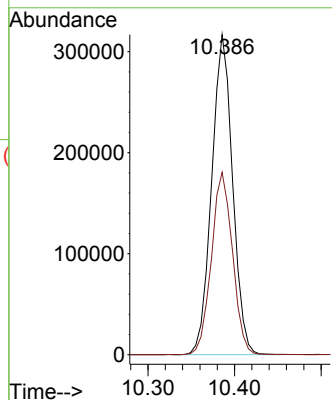
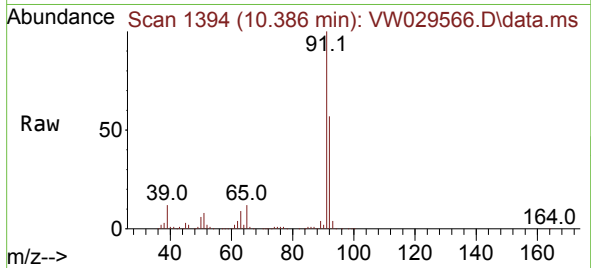




#42  
Toluene  
Concen: 30.606 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

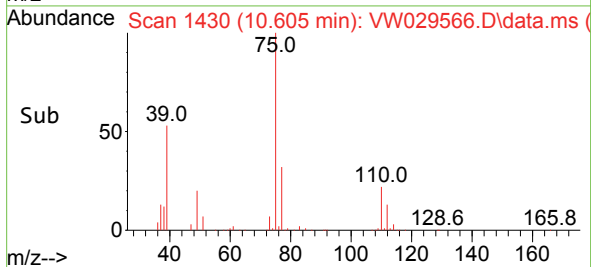
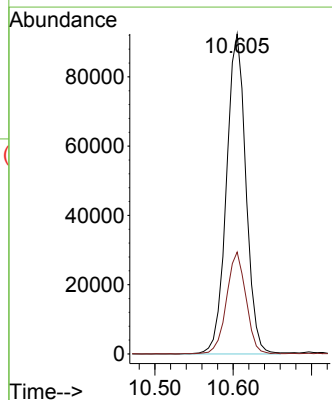
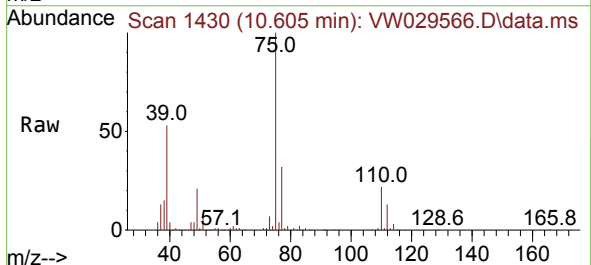
Instrument :  
MSVOA\_W  
ClientSampleId :

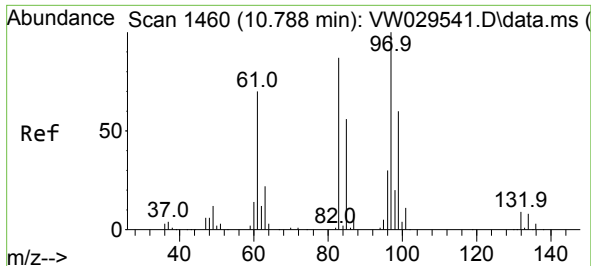
Tgt Ion: 91 Resp: 530442  
Ion Ratio Lower Upper  
91 100  
92 57.0 41.1 76.3



#44  
trans-1,3-Dichloropropene  
Concen: 26.441 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

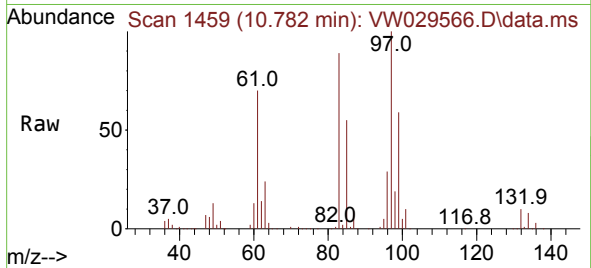
Tgt Ion: 75 Resp: 159459  
Ion Ratio Lower Upper  
75 100  
77 31.8 22.4 41.6



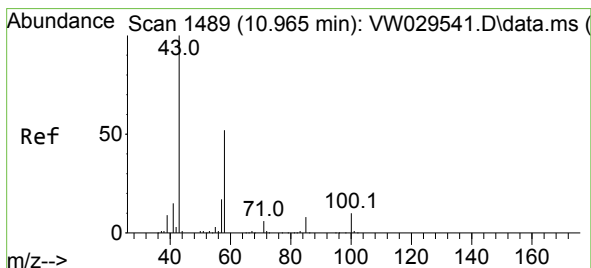
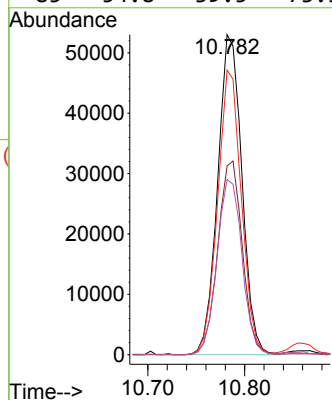
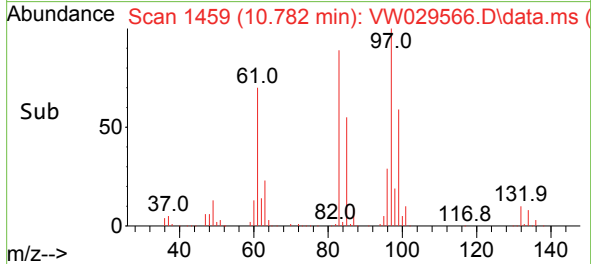


#45  
1,1,2-Trichloroethane  
Concen: 27.347 ug/L  
RT: 10.782 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

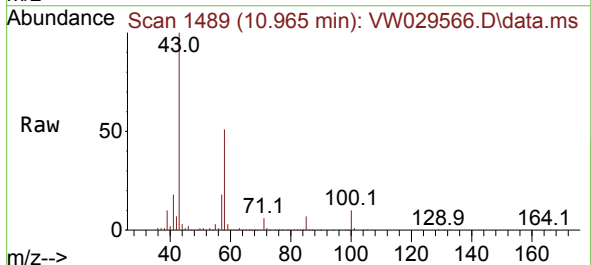
Instrument :  
MSVOA\_W  
ClientSampleId :



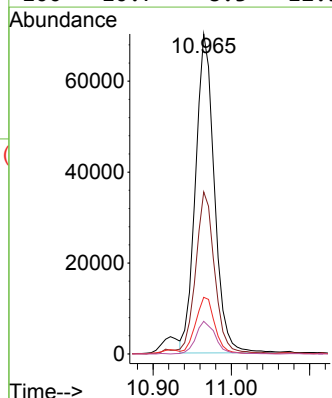
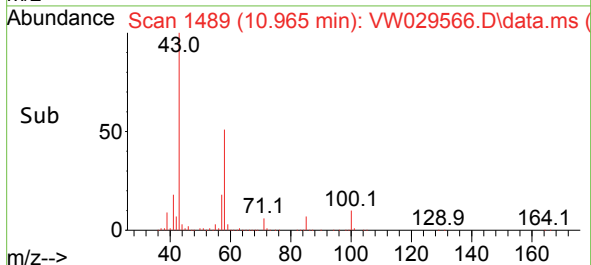
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 59.0  | 43.8  | 81.4  |
| 83      | 88.9  | 60.3  | 111.9 |
| 85      | 54.8  | 39.5  | 73.3  |

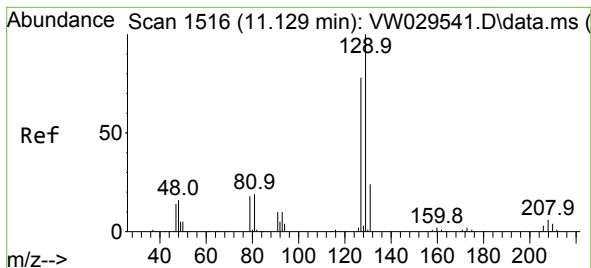


#48  
2-Hexanone  
Concen: 47.498 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 50.9  | 39.8  | 59.8  |
| 57      | 18.0  | 14.6  | 21.8  |
| 100     | 10.7  | 8.3   | 12.5  |





#49

Dibromochloromethane

Concen: 27.834 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

Instrument :

MSVOA\_W

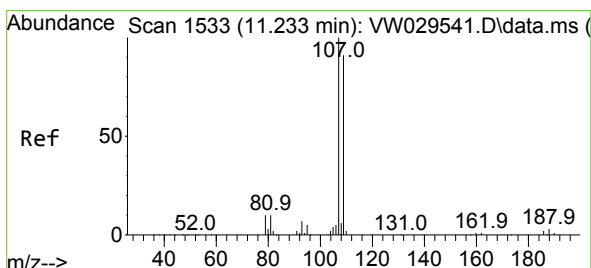
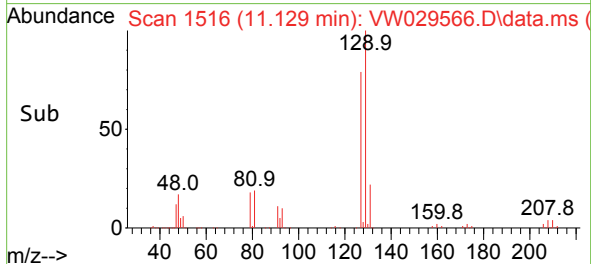
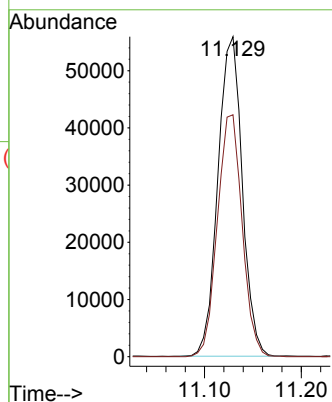
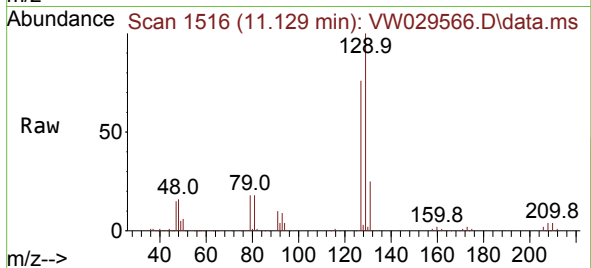
ClientSampleId :

Tgt Ion:129 Resp: 97593

Ion Ratio Lower Upper

129 100

127 75.6 51.9 96.3



#50

1,2-Dibromoethane

Concen: 26.705 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

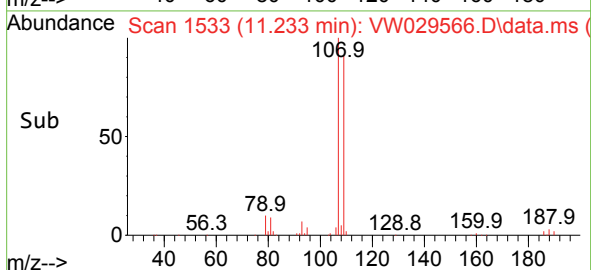
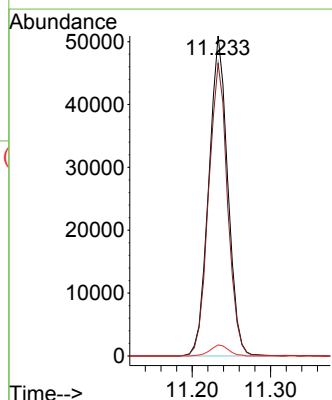
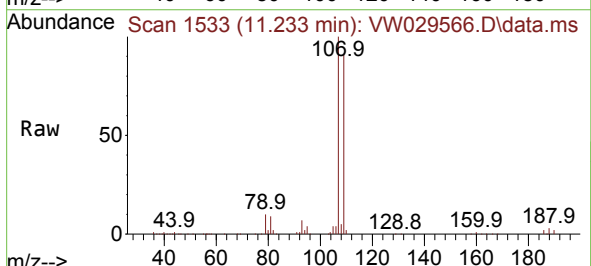
Tgt Ion:107 Resp: 85741

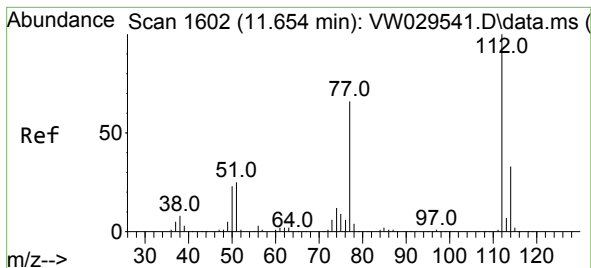
Ion Ratio Lower Upper

107 100

109 91.5 63.2 117.4

188 3.5 2.9 4.3





#51

Chlorobenzene

Concen: 29.138 ug/L

RT: 11.654 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

Instrument :

MSVOA\_W

ClientSampleId :

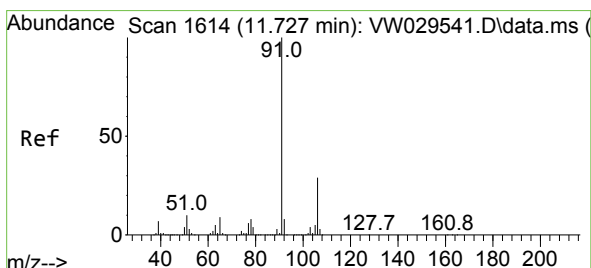
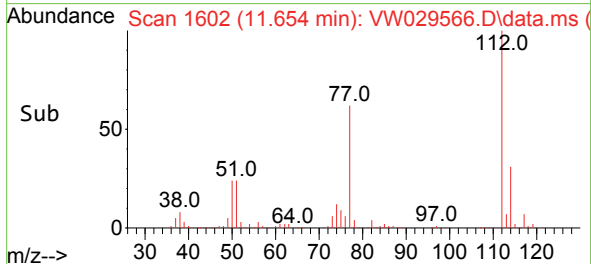
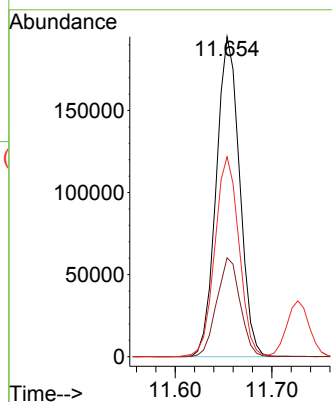
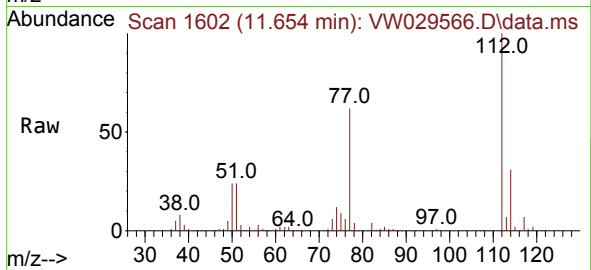
Tgt Ion:112 Resp: 326460

Ion Ratio Lower Upper

112 100

114 30.9 22.6 42.0

77 62.5 49.9 74.9



#52

Ethylbenzene

Concen: 30.954 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW029566.D

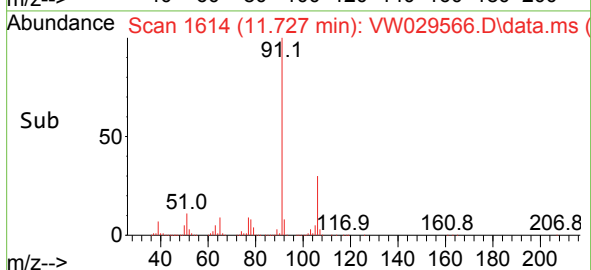
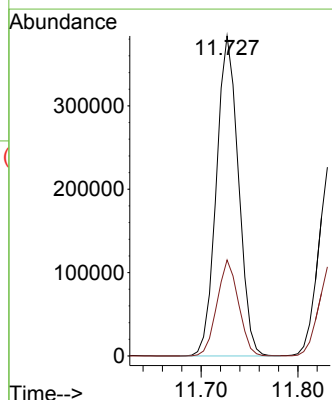
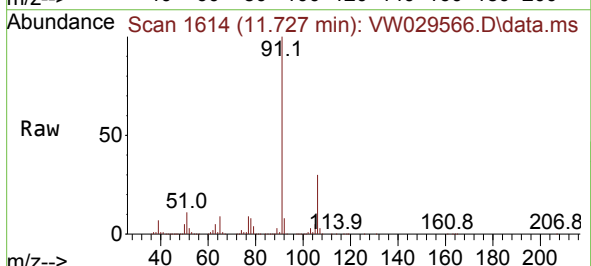
Acq: 12 Jul 2024 21:32

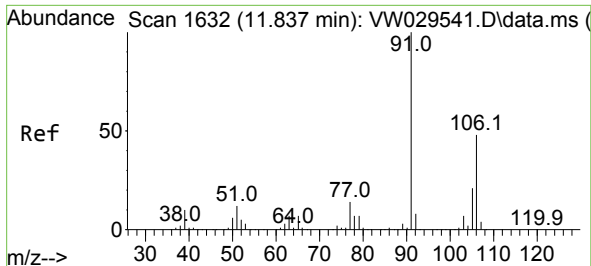
Tgt Ion: 91 Resp: 607812

Ion Ratio Lower Upper

91 100

106 30.0 20.2 37.6

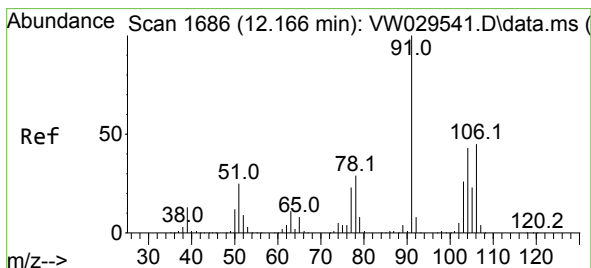
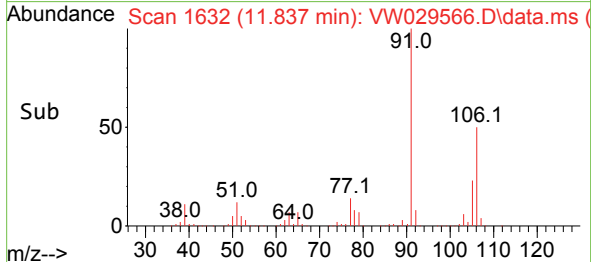
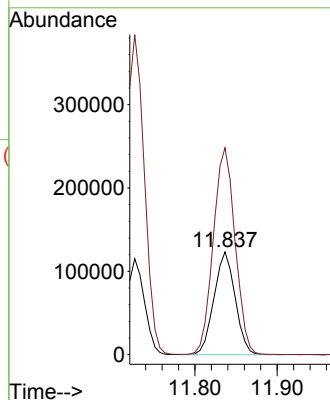
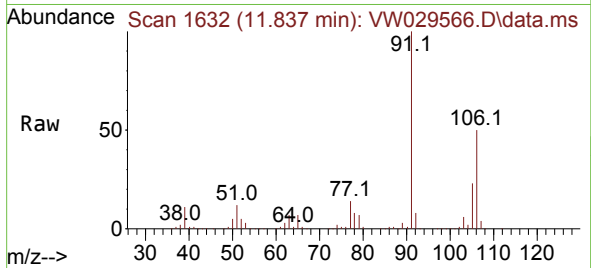




#53  
m,p-Xylene  
Concen: 30.496 ug/L  
RT: 11.837 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

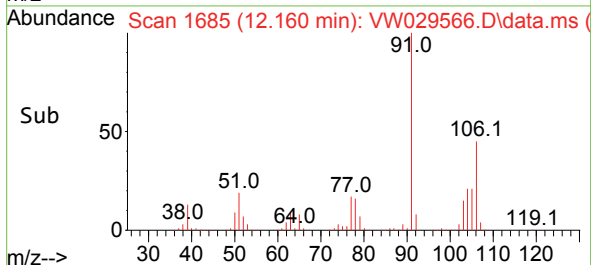
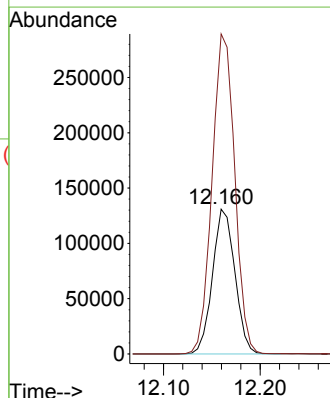
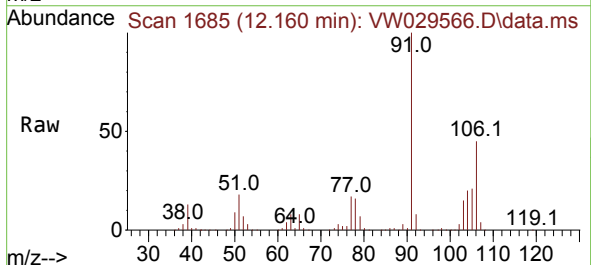
Instrument :  
MSVOA\_W  
ClientSampleId :

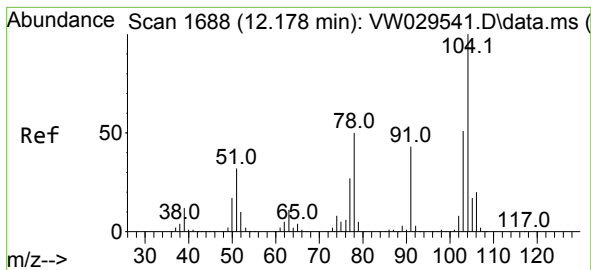
Tgt Ion:106 Resp: 219831  
Ion Ratio Lower Upper  
106 100  
91 201.5 149.3 277.3



#54  
o-Xylene  
Concen: 31.626 ug/L  
RT: 12.160 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

Tgt Ion:106 Resp: 210853  
Ion Ratio Lower Upper  
106 100  
91 221.0 159.2 295.6





#55

Styrene

Concen: 30.919 ug/L

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

Instrument :

MSVOA\_W

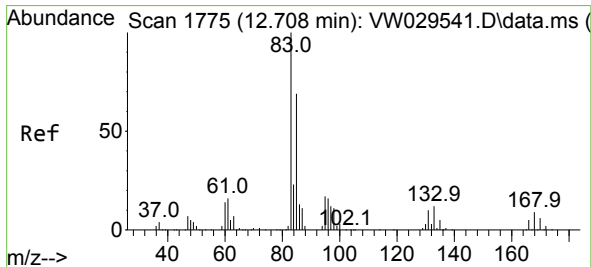
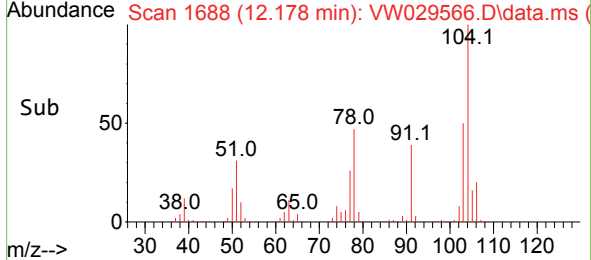
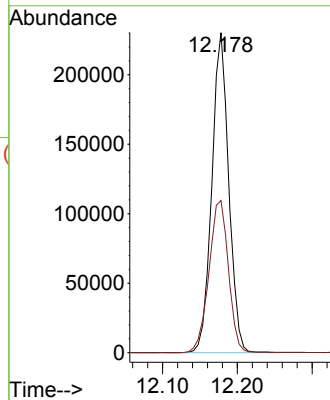
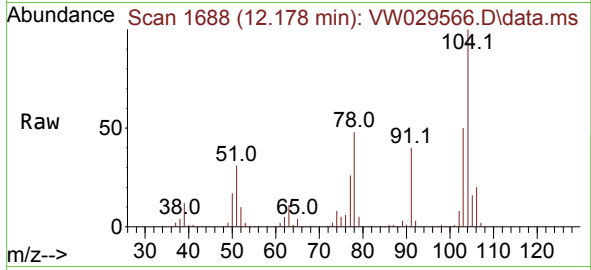
ClientSampleId :

Tgt Ion:104 Resp: 362474

Ion Ratio Lower Upper

104 100

78 47.5 34.7 64.5



#57

1,1,2,2-Tetrachloroethane

Concen: 25.861 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

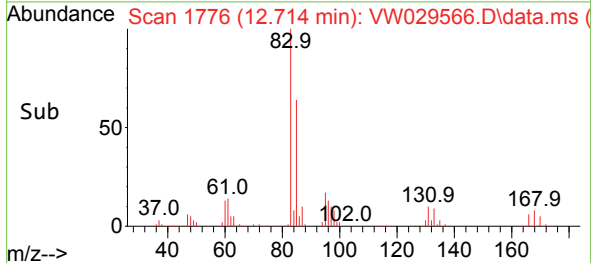
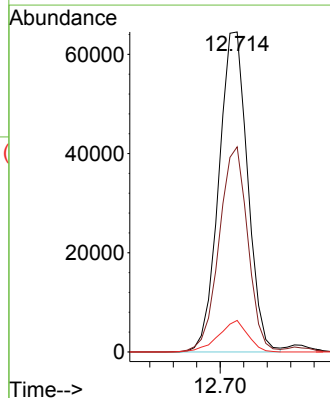
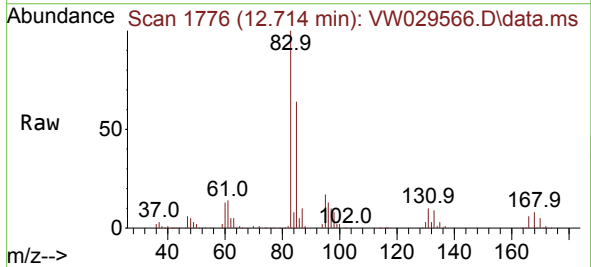
Tgt Ion: 83 Resp: 109908

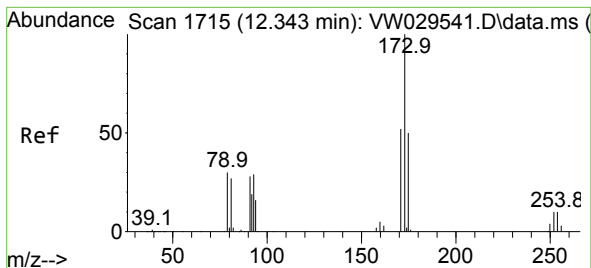
Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4

131 9.8 6.4 9.6#





#59

Bromoform

Concen: 24.179 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW029566.D

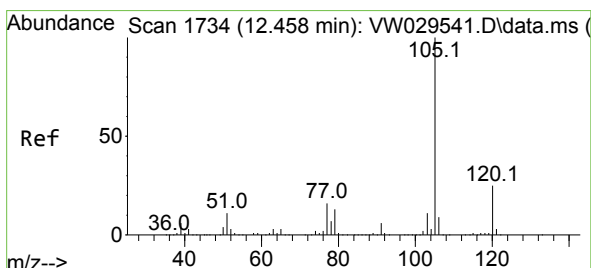
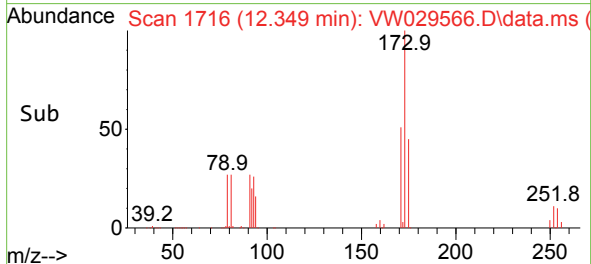
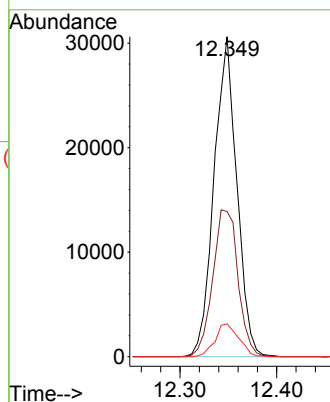
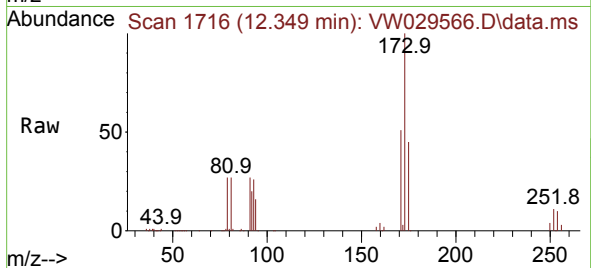
Acq: 12 Jul 2024 21:32

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 49969     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 50.9  | 40.4 60.6 |
| 254         | 10.7  | 8.8 13.2  |



#60

Isopropylbenzene

Concen: 30.818 ug/L

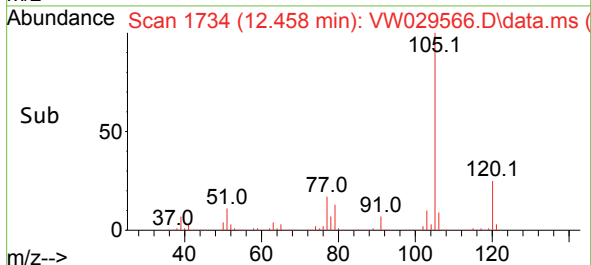
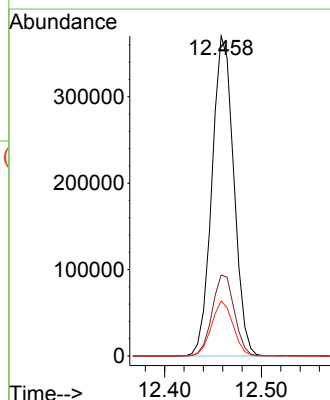
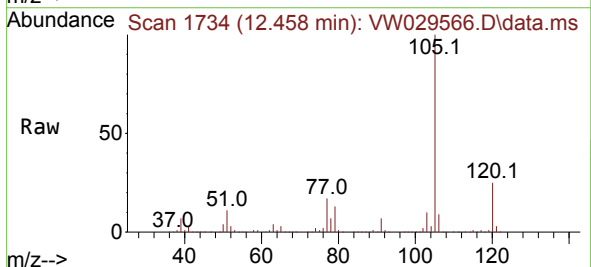
RT: 12.458 min Scan# 1734

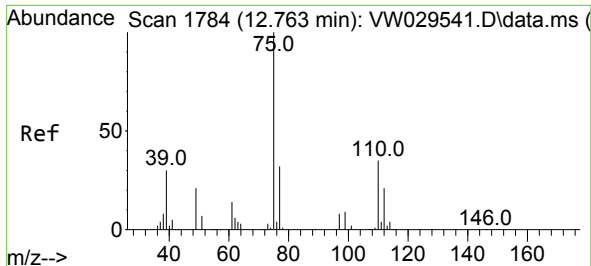
Delta R.T. -0.000 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

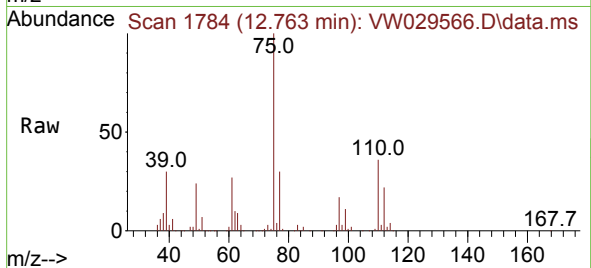
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 580536    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 25.7  | 20.2 30.4 |
| 77          | 17.0  | 13.6 20.4 |



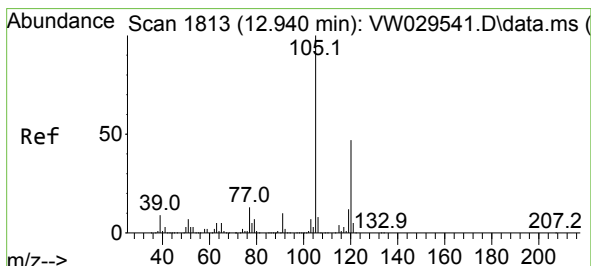
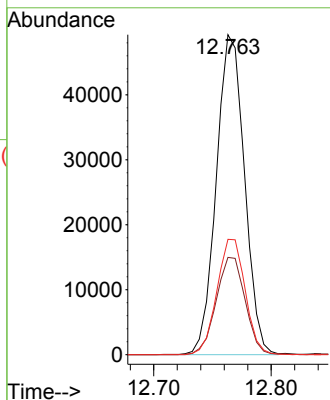
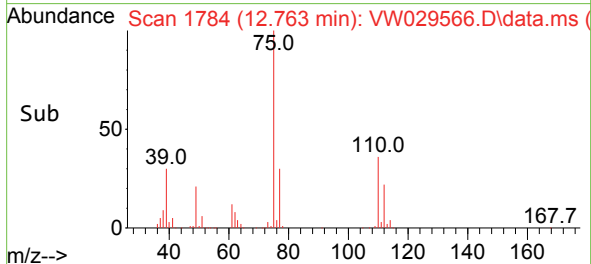


#61  
1,2,3-Trichloropropane  
Concen: 25.389 ug/L  
RT: 12.763 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

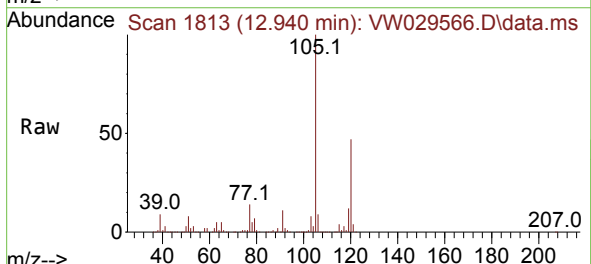
Instrument :  
MSVOA\_W  
ClientSampleId :



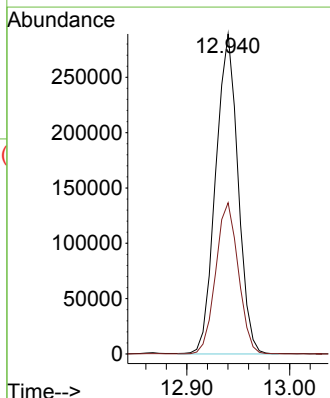
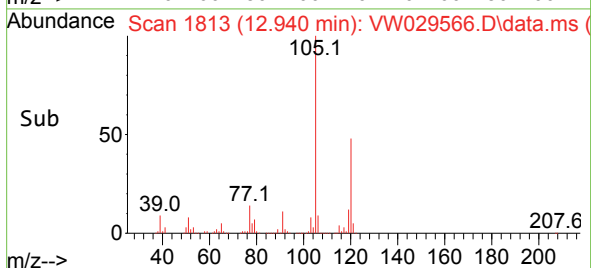
Tgt Ion: 75 Resp: 82264  
Ion Ratio Lower Upper  
75 100  
77 31.3 25.5 38.3  
110 36.1 29.1 43.7

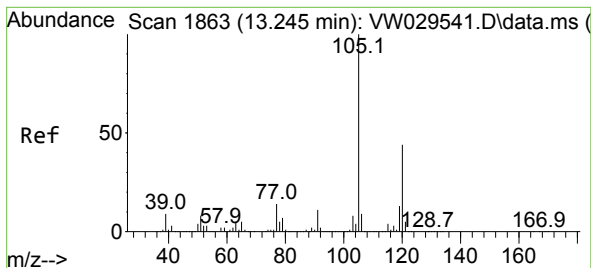


#62  
1,3,5-Trimethylbenzene  
Concen: 32.562 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32



Tgt Ion: 105 Resp: 436316  
Ion Ratio Lower Upper  
105 100  
120 47.8 38.4 57.6





#63

1,2,4-Trimethylbenzene

Concen: 32.254 ug/L

RT: 13.245 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

Instrument :

MSVOA\_W

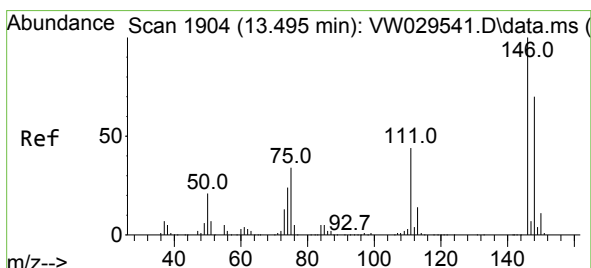
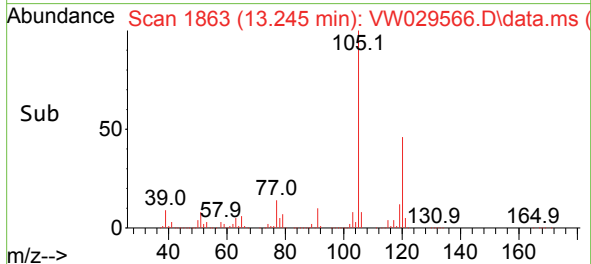
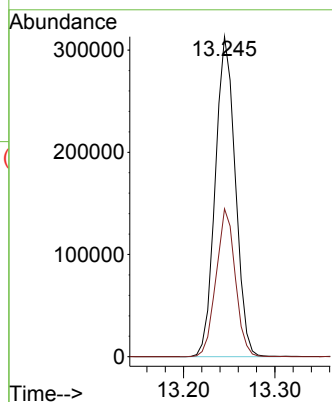
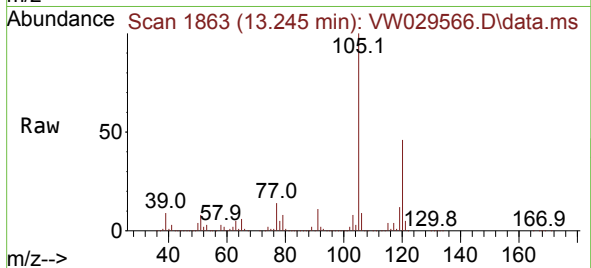
ClientSampleId :

Tgt Ion:105 Resp: 476991

Ion Ratio Lower Upper

105 100

120 44.2 34.7 52.1



#64

1,3-Dichlorobenzene

Concen: 27.989 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

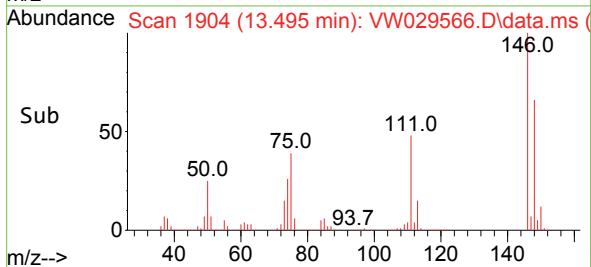
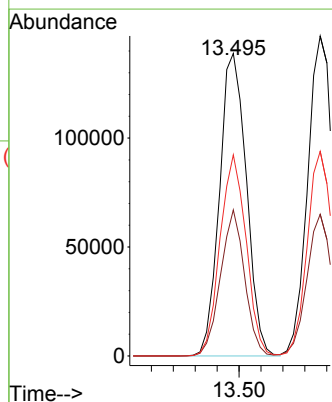
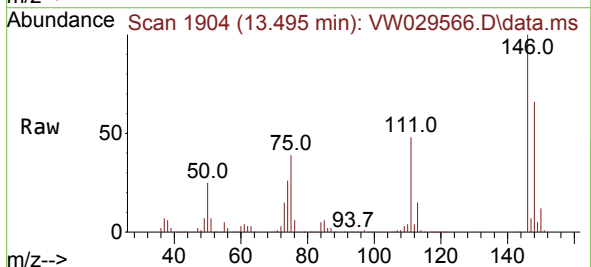
Tgt Ion:146 Resp: 236326

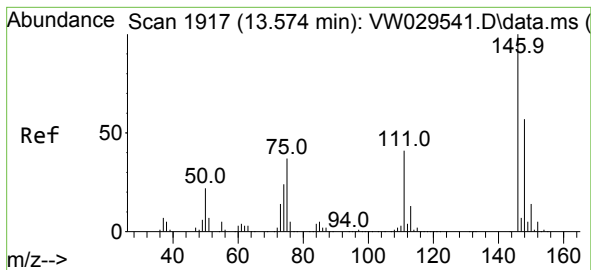
Ion Ratio Lower Upper

146 100

111 48.3 28.6 53.2

148 66.5 43.0 80.0

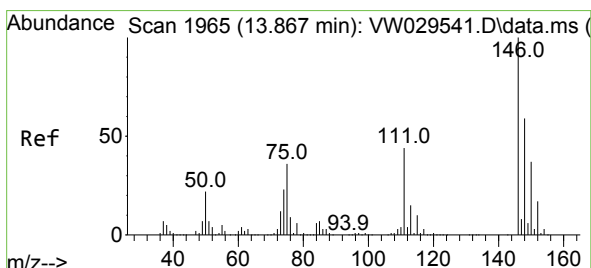
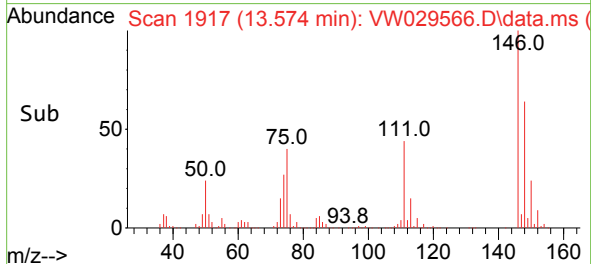
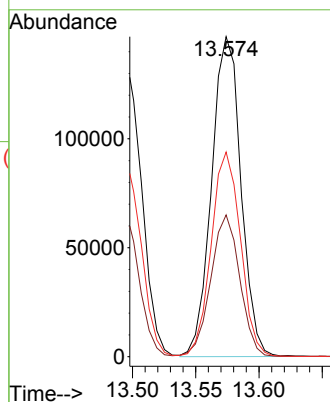
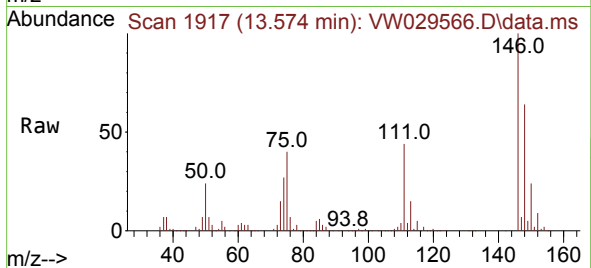




#65  
1,4-Dichlorobenzene  
Concen: 27.431 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

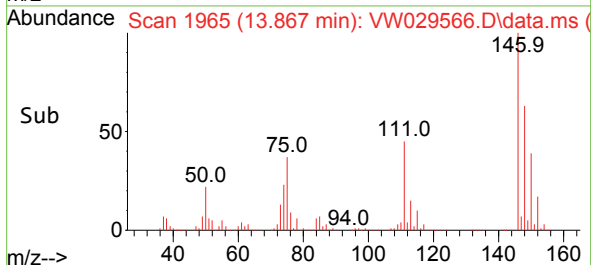
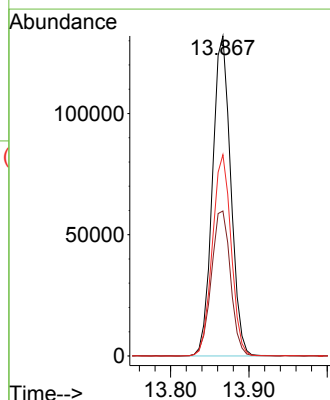
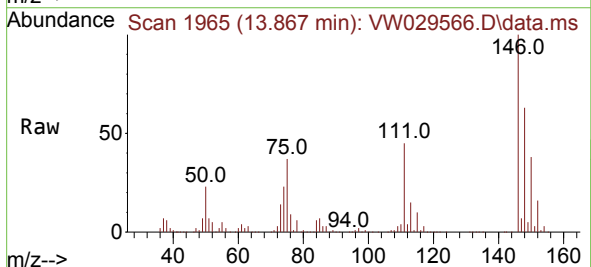
Instrument :  
MSVOA\_W  
ClientSampleId :

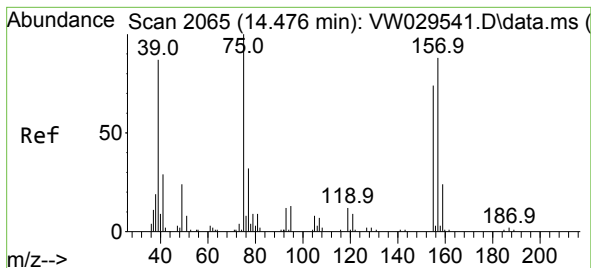
Tgt Ion:146 Resp: 237286  
Ion Ratio Lower Upper  
146 100  
111 44.3 27.6 51.4  
148 63.9 40.9 75.9



#67  
1,2-Dichlorobenzene  
Concen: 28.044 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. -0.000 min  
Lab File: VW029566.D  
Acq: 12 Jul 2024 21:32

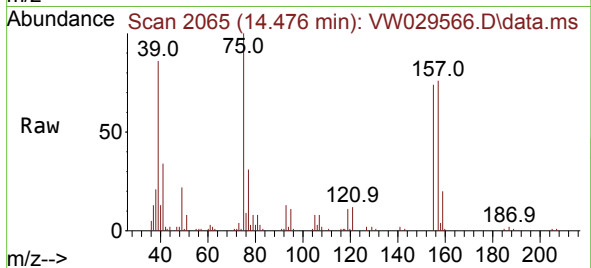
Tgt Ion:146 Resp: 214049  
Ion Ratio Lower Upper  
146 100  
111 45.3 37.1 55.7  
148 62.9 50.7 76.1



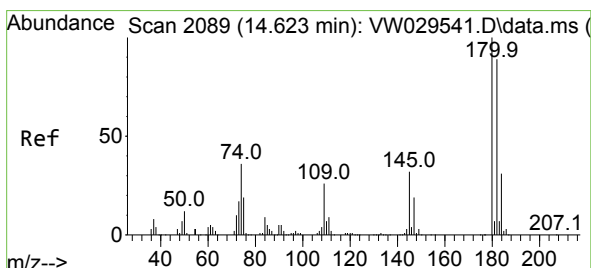
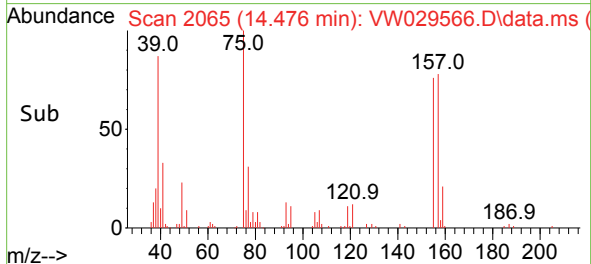
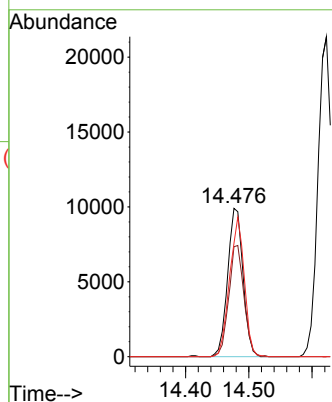


#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 21.614 ug/L  
 RT: 14.476 min Scan# 2065  
 Delta R.T. -0.000 min  
 Lab File: VW029566.D  
 Acq: 12 Jul 2024 21:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :

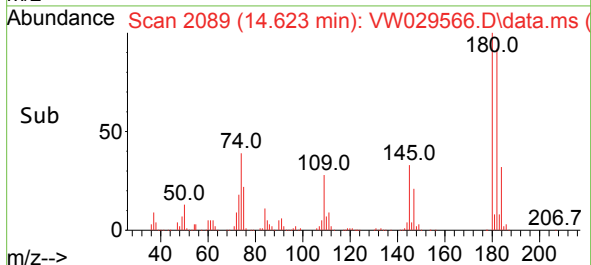
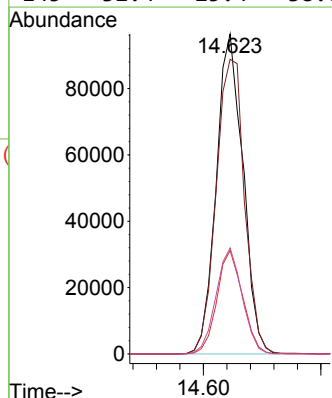
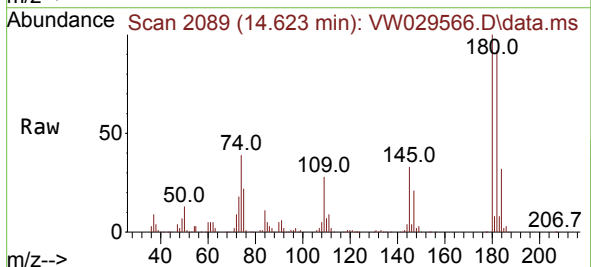


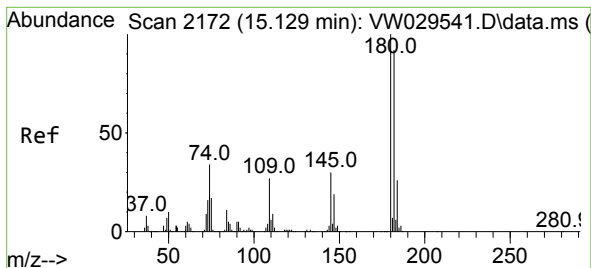
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 16742 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 74.1  | 51.2  | 76.8  |
| 157       | 76.4  | 63.7  | 95.5  |



#69  
 1,3,5-Trichlorobenzene  
 Concen: 27.592 ug/L  
 RT: 14.623 min Scan# 2089  
 Delta R.T. -0.000 min  
 Lab File: VW029566.D  
 Acq: 12 Jul 2024 21:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 151985 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.9  | 77.9  | 116.9  |
| 184       | 31.1  | 24.4  | 36.6   |
| 145       | 32.4  | 25.4  | 38.0   |





#70

1,2,4-trichlorobenzene

Concen: 27.591 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

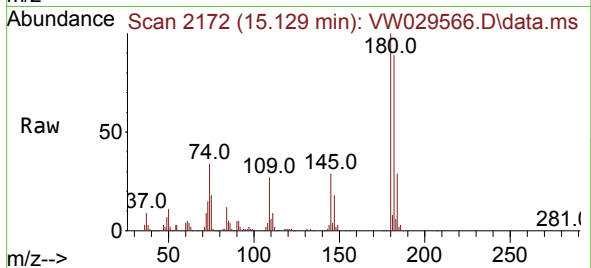
Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

Instrument :

MSVOA\_W

ClientSampleId :



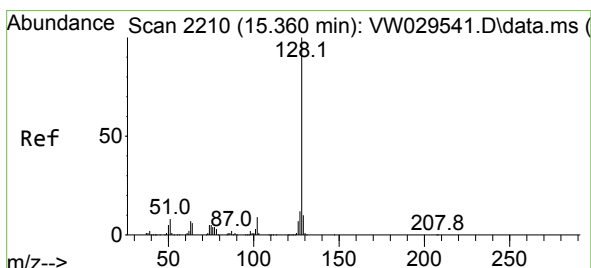
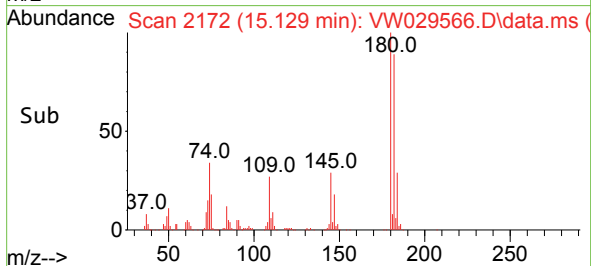
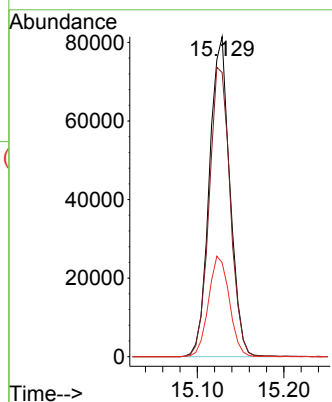
Tgt Ion:180 Resp: 133729

Ion Ratio Lower Upper

180 100

182 93.0 74.7 112.1

145 32.0 26.2 39.2



#71

Naphthalene

Concen: 26.167 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW029566.D

Acq: 12 Jul 2024 21:32

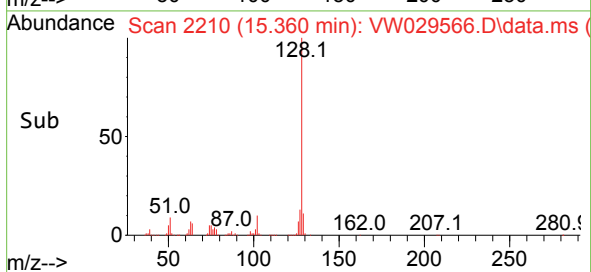
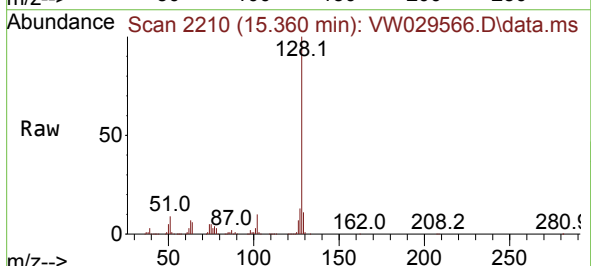
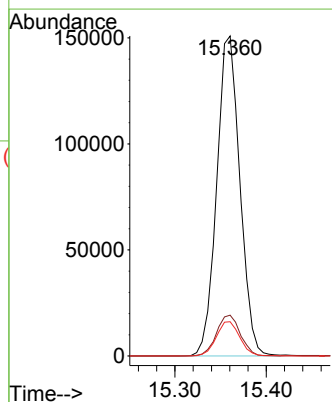
Tgt Ion:128 Resp: 266188

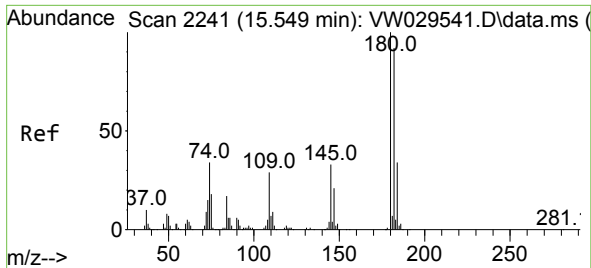
Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

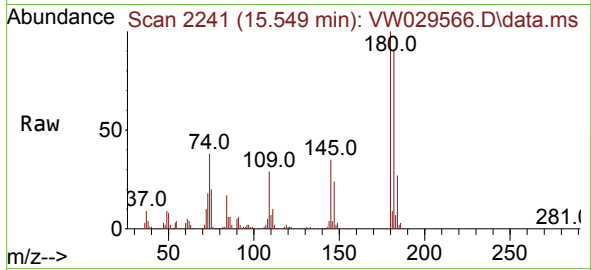
129 10.8 9.0 13.4





#72  
 1,2,3-Trichlorobenzene  
 Concen: 25.650 ug/L  
 RT: 15.549 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW029566.D  
 Acq: 12 Jul 2024 21:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 112951 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.3  | 73.4  | 110.0  |
| 145       | 33.5  | 26.9  | 40.3   |

