

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040324\  
 Data File : VW028293.D  
 Acq On : 03 Apr 2024 15:10  
 Operator : SY/MD  
 Sample : P1965-06MSD  
 Misc : 3.93g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E07D6MSD

Quant Time: Apr 04 03:03:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Apr 04 03:01:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 276268   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 241976   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 114660   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 63739    | 19.718   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 78.880%   |
| 7) Chloroethane-d5            | 2.893  | 69    | 54408    | 24.092   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.360%   |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 40981    | 19.992   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 79.960%   |
| 21) 2-Butanone-d5             | 7.081  | 46    | 73395    | 76.984   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 153.960%# |
| 24) Chloroform-d              | 7.648  | 84    | 222288   | 27.287   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 109.160%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 123786   | 27.573   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 110.280%  |
| 32) Benzene-d6                | 8.276  | 84    | 409690   | 27.731   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 110.920%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 129400   | 30.436   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 121.760%# |
| 41) Toluene-d8                | 10.318 | 98    | 354429   | 26.010   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 104.040%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 55372    | 28.676   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 114.720%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 59813    | 85.113   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 170.220%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 114989   | 36.614   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 146.440%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 113842   | 27.255   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 109.040%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 76732    | 19.146   | ug/L # | 86        |
| 3) Chloromethane              | 2.222  | 50    | 72753    | 25.595   | ug/L   | 99        |
| 5) Vinyl chloride             | 2.375  | 62    | 87097    | 27.107   | ug/L   | 99        |
| 6) Bromomethane               | 2.789  | 94    | 51434    | 26.879   | ug/L   | 97        |
| 8) Chloroethane               | 2.936  | 64    | 50660    | 29.334   | ug/L   | 97        |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 110171   | 28.360   | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 97307    | 25.215   | ug/L # | 67        |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 95786    | 26.850   | ug/L   | 87        |
| 13) Acetone                   | 4.130  | 43    | 65257    | 61.647   | ug/L   | 98        |
| 14) Carbon disulfide          | 4.393  | 76    | 267200   | 24.014   | ug/L   | 98        |
| 15) Methyl Acetate            | 4.673  | 43    | 50715    | 31.103   | ug/L   | 100       |
| 16) Methylene chloride        | 4.923  | 84    | 108278   | 25.751   | ug/L   | 96        |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 103391   | 27.271   | ug/L   | 95        |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 175546   | 30.689   | ug/L   | 98        |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 209975   | 28.608   | ug/L   | 99        |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 116949   | 28.562   | ug/L   | 98        |
| 22) 2-Butanone                | 7.173  | 43    | 77011    | 64.076   | ug/L   | 99        |
| 23) Bromochloromethane        | 7.514  | 128   | 52662    | 29.091   | ug/L   | 95        |
| 25) Chloroform                | 7.679  | 83    | 212679   | 28.146   | ug/L   | 94        |

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 Operator : SY/MD  
 Sample : P1965-06MSD  
 Misc : 3.93g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 1 Sample Multiplier: 1

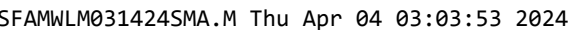
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E07D6MSD

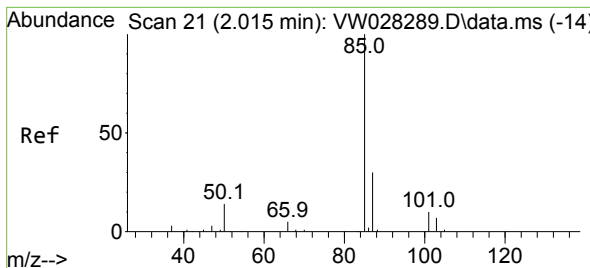
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Apr 04 03:01:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 143552   | 26.902 | ug/L   | 96       |
| 29) Cyclohexane               | 7.959  | 56   | 157439   | 24.945 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 175856   | 27.724 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 154221   | 25.921 | ug/L   | 98       |
| 33) Benzene                   | 8.325  | 78   | 440821   | 29.605 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 115295   | 27.754 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.337  | 83   | 136745   | 19.474 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 118495   | 31.113 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 151841   | 29.570 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 189130   | 31.008 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 150650   | 71.661 | ug/L   | 98       |
| 42) Toluene                   | 10.385 | 91   | 467627   | 28.776 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 159498   | 30.973 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 88230    | 32.063 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 83435    | 24.916 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 119778   | 72.734 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 99604    | 30.563 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 82950    | 31.526 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 286942   | 27.818 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 506907   | 26.721 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.836 | 106  | 190459   | 26.679 | ug/L   | 100      |
| 54) o-Xylene                  | 12.166 | 106  | 184176   | 27.821 | ug/L   | 97       |
| 55) Styrene                   | 12.178 | 104  | 327913   | 28.837 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 104842   | 33.310 | ug/L   | 97       |
| 59) Bromoform                 | 12.342 | 173  | 58408    | 33.995 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 472755   | 27.751 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 77227    | 35.291 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 292290   | 25.571 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 365393   | 26.473 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 200248   | 26.348 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 207714   | 27.332 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 185783   | 28.386 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 17530    | 34.102 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 97849    | 18.483 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 82008    | 18.234 | ug/L   | 98       |
| 71) Naphthalene               | 15.360 | 128  | 220042   | 28.505 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 70326    | 18.968 | ug/L   | 100      |

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

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Response via : Initial Calibration

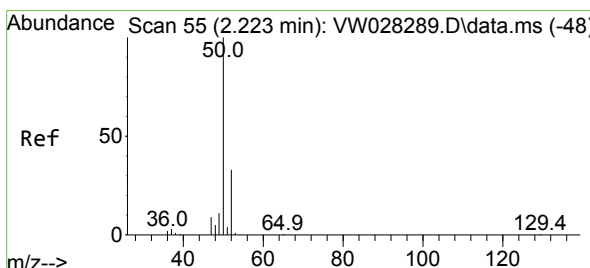
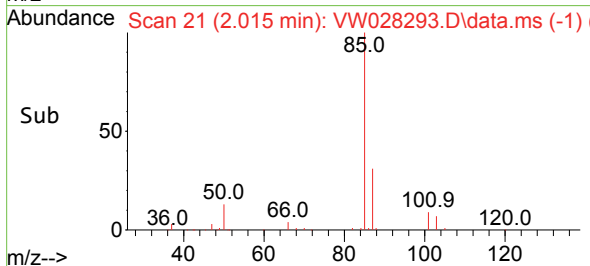
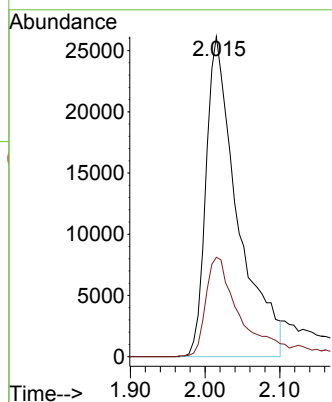
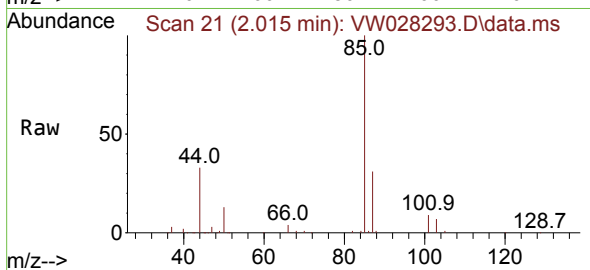




#2  
Dichlorodifluoromethane  
Concen: 19.146 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

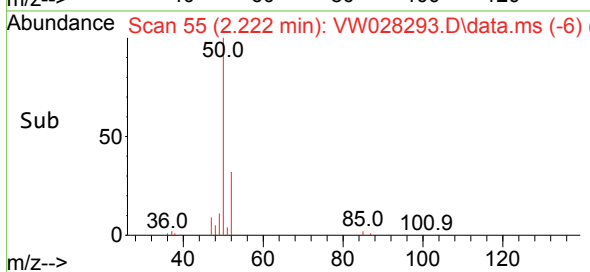
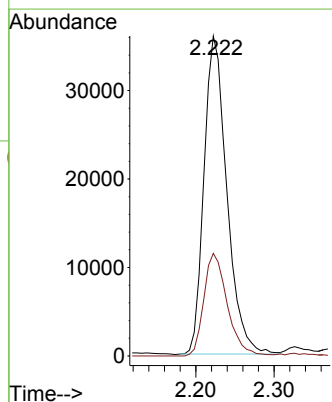
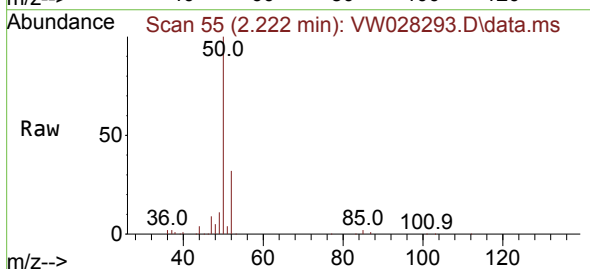
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

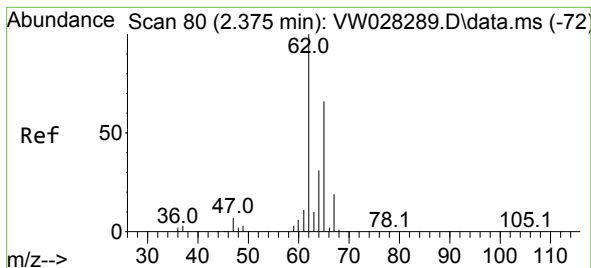
Tgt Ion: 85 Resp: 76732  
Ion Ratio Lower Upper  
85 100  
87 33.4 20.9 31.3#



#3  
Chloromethane  
Concen: 25.595 ug/L  
RT: 2.222 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion: 50 Resp: 72753  
Ion Ratio Lower Upper  
50 100  
52 32.0 22.7 42.1





#5

Vinyl chloride

Concen: 27.107 ug/L

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

Instrument :

MSVOA\_W

ClientSampleId :

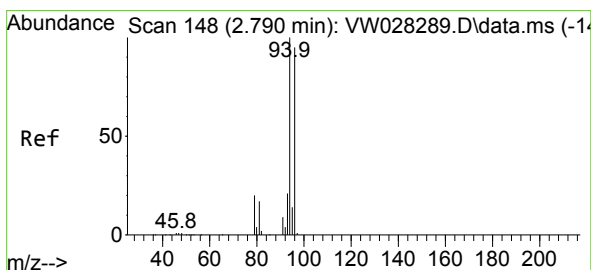
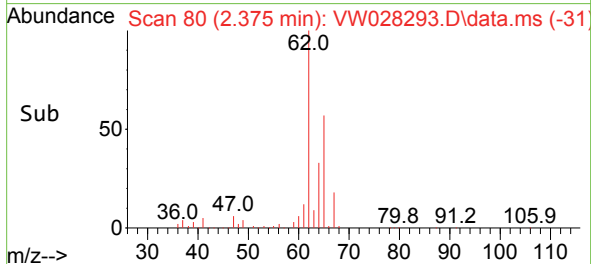
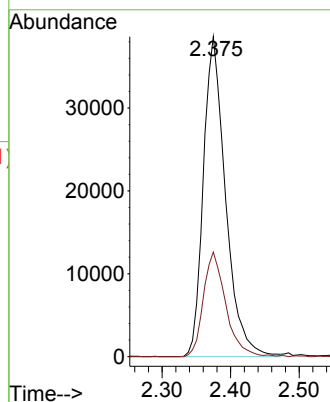
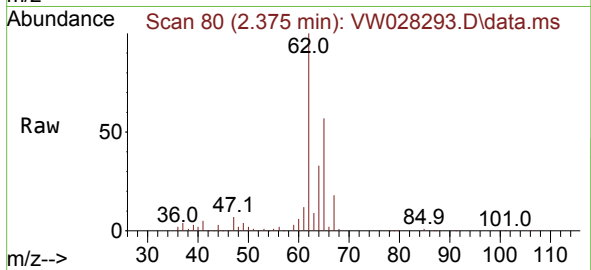
E07D6MSD

Tgt Ion: 62 Resp: 87097

Ion Ratio Lower Upper

62 100

64 32.7 22.5 41.7



#6

Bromomethane

Concen: 26.879 ug/L

RT: 2.789 min Scan# 148

Delta R.T. -0.000 min

Lab File: VW028293.D

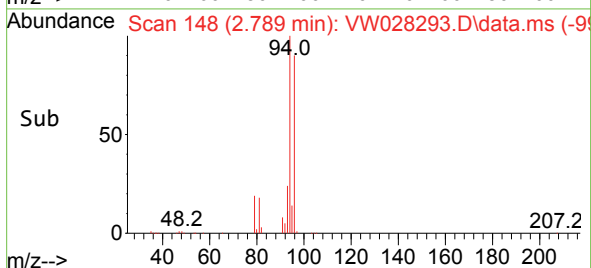
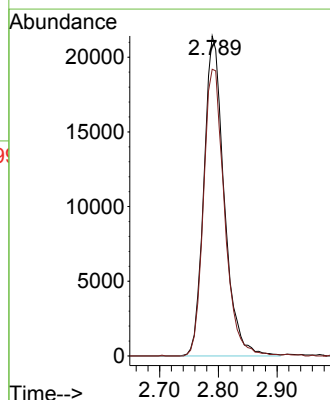
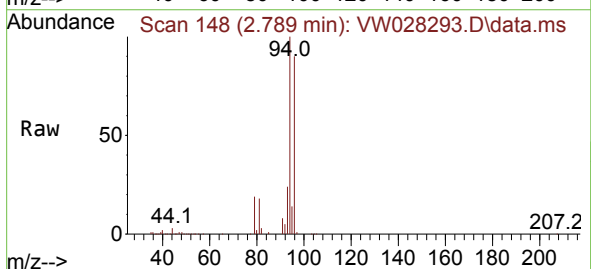
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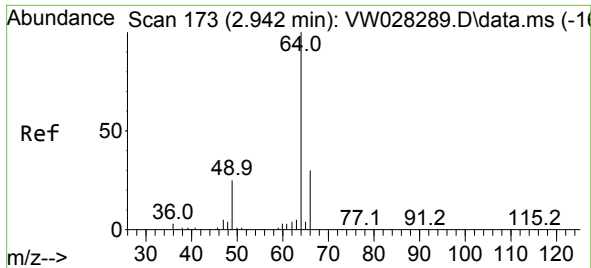
Tgt Ion: 94 Resp: 51434

Ion Ratio Lower Upper

94 100

96 89.6 60.8 113.0

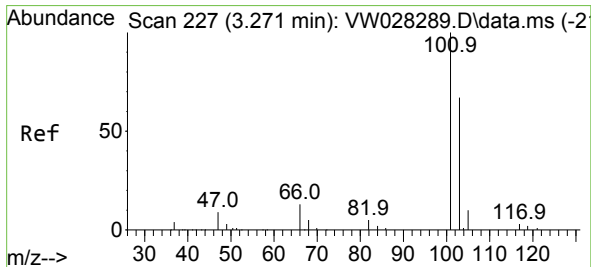
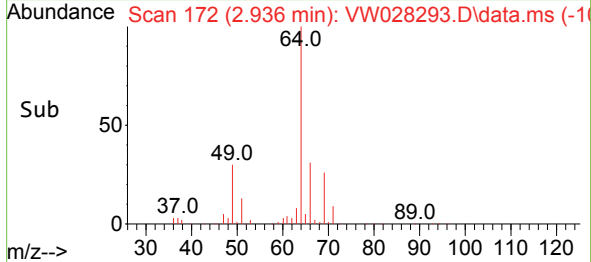
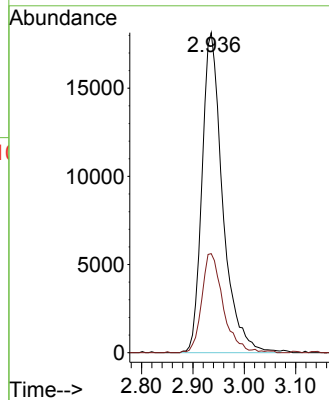
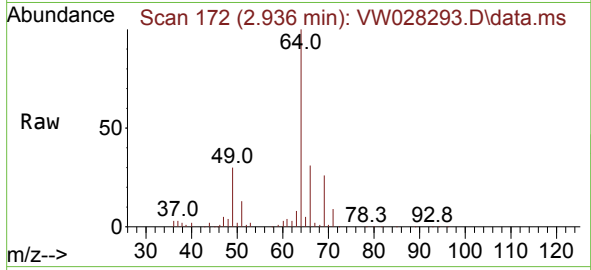




#8  
Chloroethane  
Concen: 29.334 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

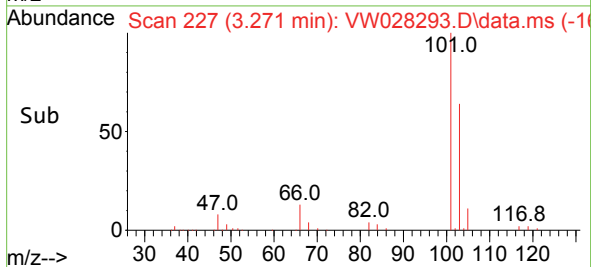
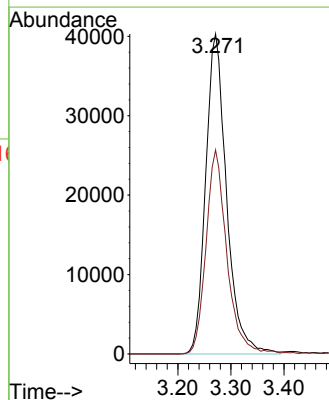
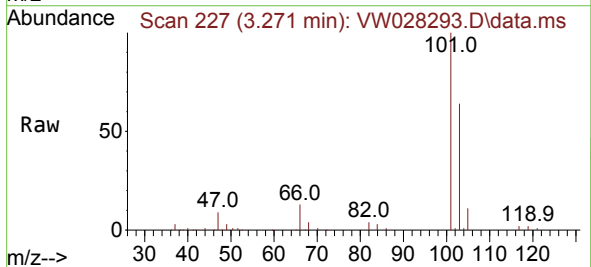
Instrument :  
MSVOA\_W  
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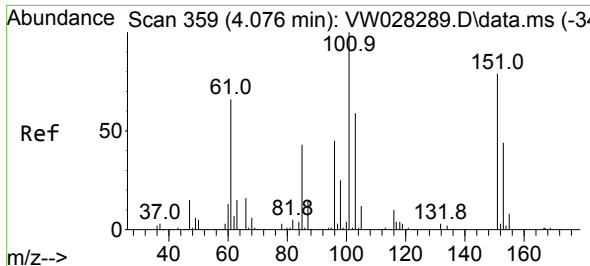
Tgt Ion: 64 Resp: 50660  
Ion Ratio Lower Upper  
64 100  
66 30.9 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 28.360 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion:101 Resp: 110171  
Ion Ratio Lower Upper  
101 100  
103 62.9 50.9 76.3

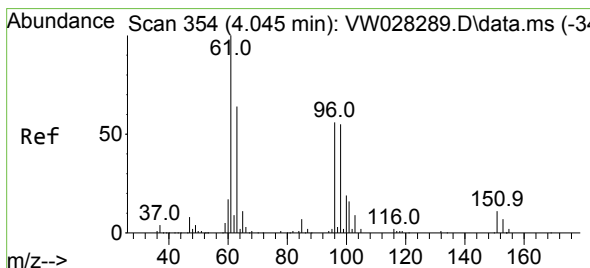
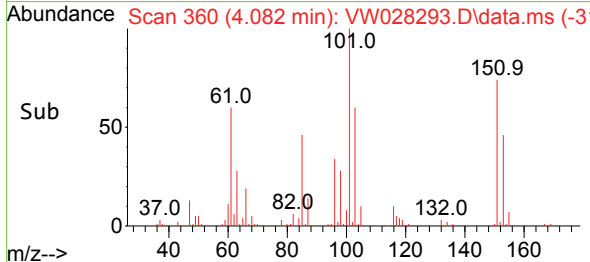
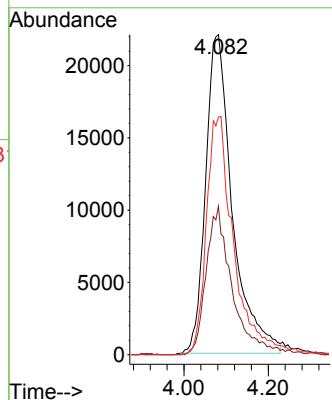
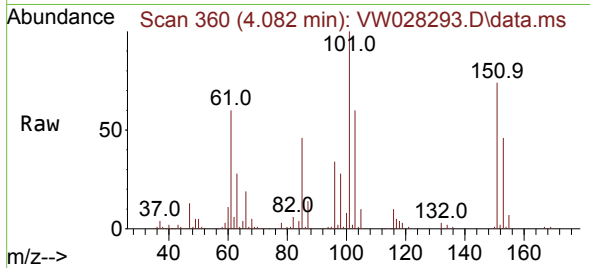




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 25.215 ug/L  
 RT: 4.082 min Scan# 30  
 Delta R.T. 0.006 min  
 Lab File: VW028293.D  
 Acq: 03 Apr 2024 15:10

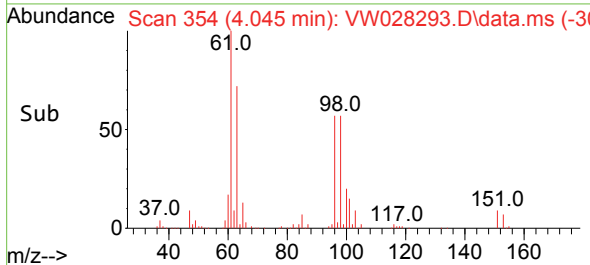
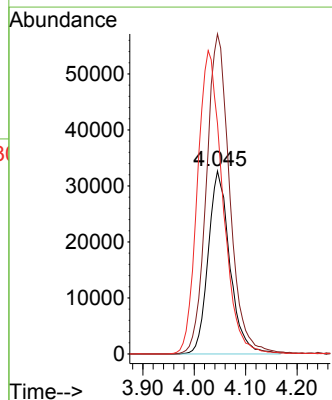
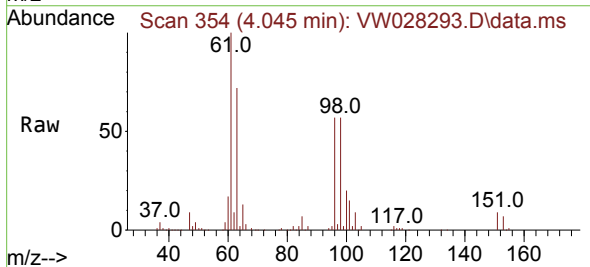
Instrument :  
 MSVOA\_W  
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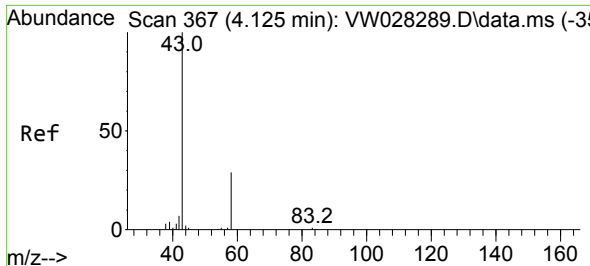
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 Ion Ratio Lower Upper  
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 151 29.5 58.4 87.6#



#12  
 1,1-Dichloroethene  
 Concen: 26.850 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.000 min  
 Lab File: VW028293.D  
 Acq: 03 Apr 2024 15:10

Tgt Ion: 96 Resp: 95786  
 Ion Ratio Lower Upper  
 96 100  
 61 174.9 132.2 245.4  
 63 126.0 104.6 194.2





#13

Acetone

Concen: 61.647 ug/L

RT: 4.130 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

Instrument :

MSVOA\_W

ClientSampleId :

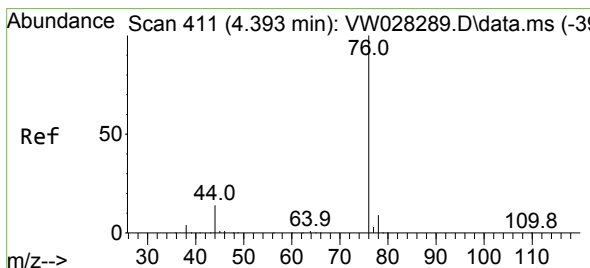
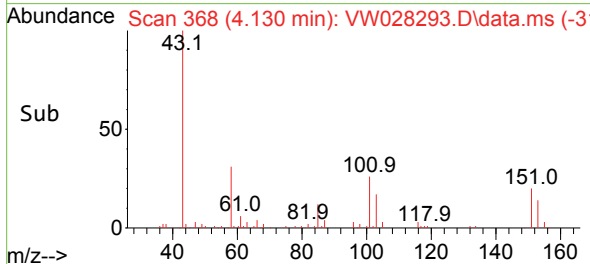
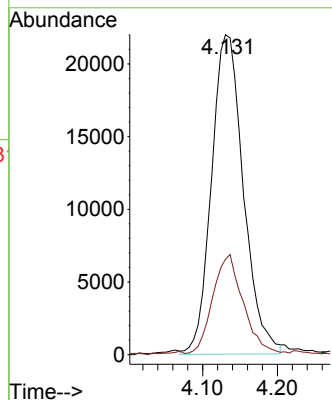
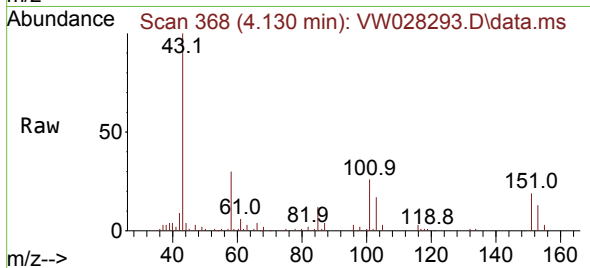
E07D6MSD

Tgt Ion: 43 Resp: 65257

Ion Ratio Lower Upper

43 100

58 29.8 0.0 57.8



#14

Carbon disulfide

Concen: 24.014 ug/L

RT: 4.393 min Scan# 411

Delta R.T. -0.000 min

Lab File: VW028293.D

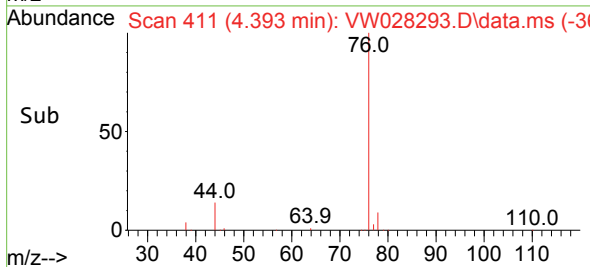
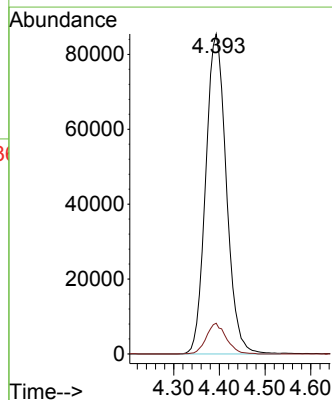
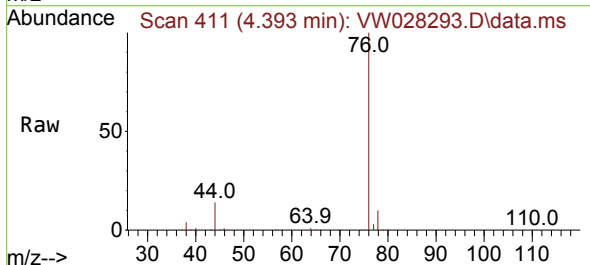
Acq: 03 Apr 2024 15:10

Tgt Ion: 76 Resp: 267200

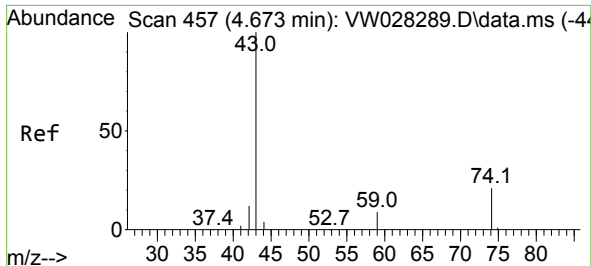
Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



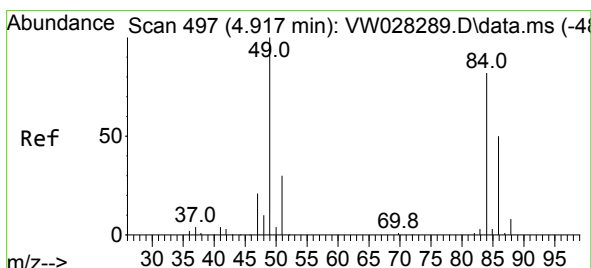
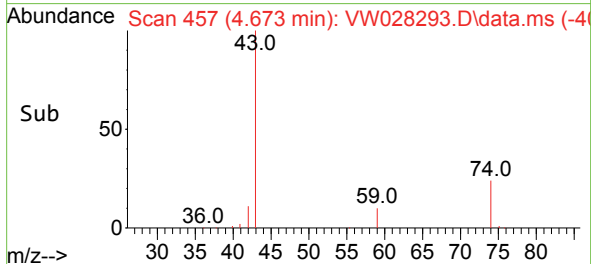
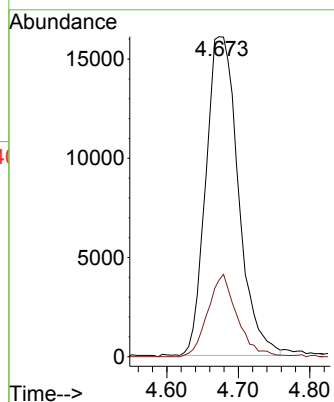
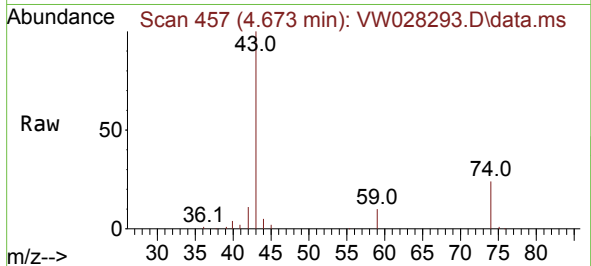




#15  
Methyl Acetate  
Concen: 31.103 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

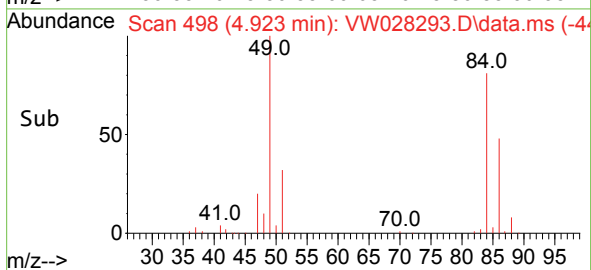
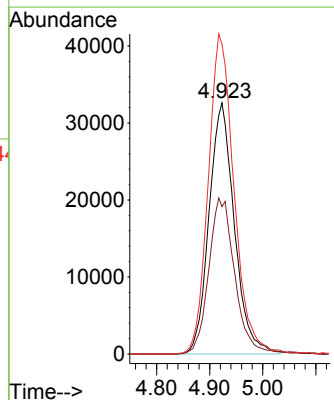
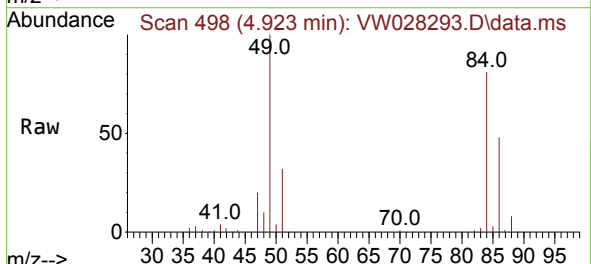
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

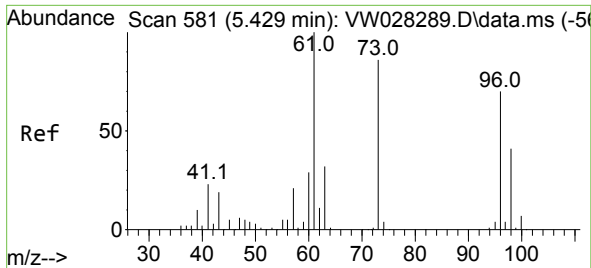
Tgt Ion: 43 Resp: 50715  
Ion Ratio Lower Upper  
43 100  
74 22.6 18.2 27.2



#16  
Methylene chloride  
Concen: 25.751 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion: 84 Resp: 108278  
Ion Ratio Lower Upper  
84 100  
86 58.7 43.1 80.1  
49 123.4 89.4 166.0

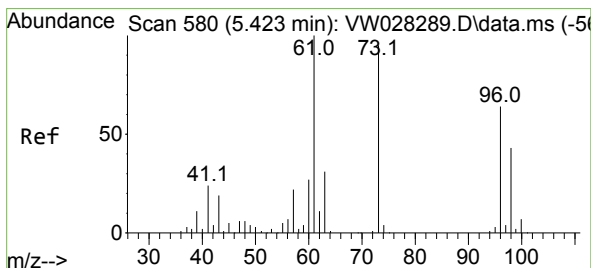
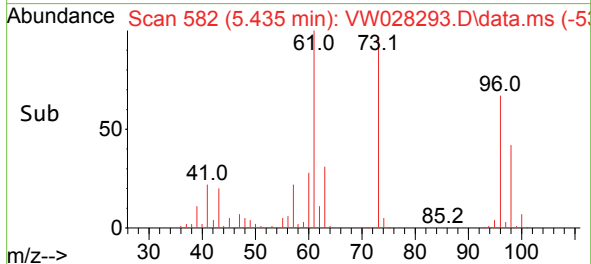
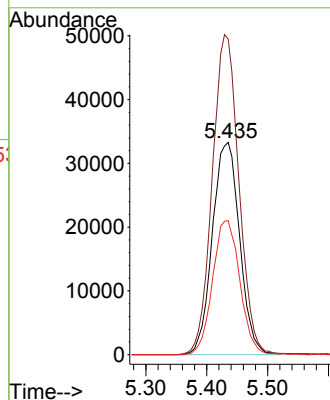
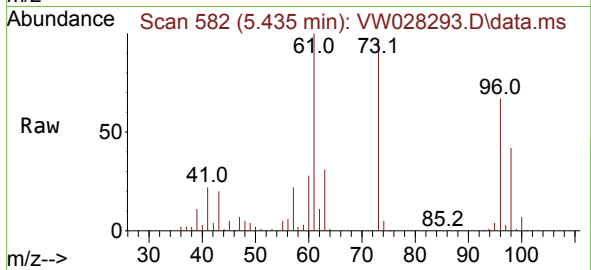




#17  
trans-1,2-Dichloroethene  
Concen: 27.271 ug/L  
RT: 5.435 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

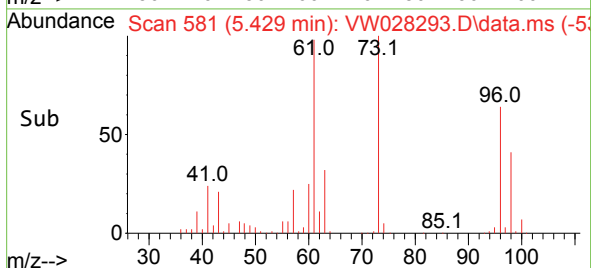
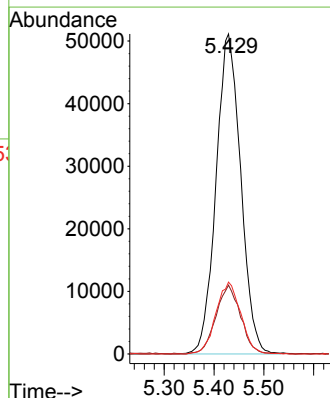
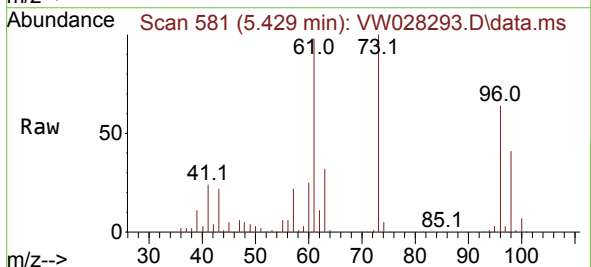
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

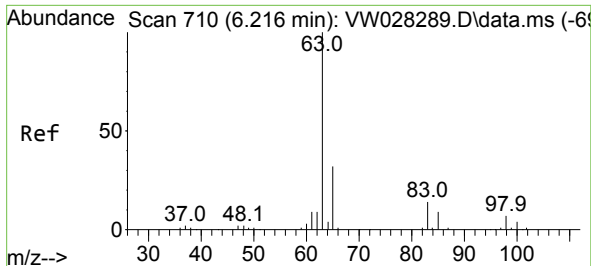
Tgt Ion: 96 Resp: 103391  
Ion Ratio Lower Upper  
96 100  
61 148.7 98.4 182.8  
98 63.1 45.6 84.8



#18  
Methyl tert-butyl Ether  
Concen: 30.689 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion: 73 Resp: 175546  
Ion Ratio Lower Upper  
73 100  
43 21.5 18.2 27.4  
57 22.6 17.4 26.2





#19

1,1-Dichloroethane

Concen: 28.608 ug/L

RT: 6.222 min Scan# 710

Delta R.T. 0.006 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

Instrument :

MSVOA\_W

ClientSampleId :

E07D6MSD

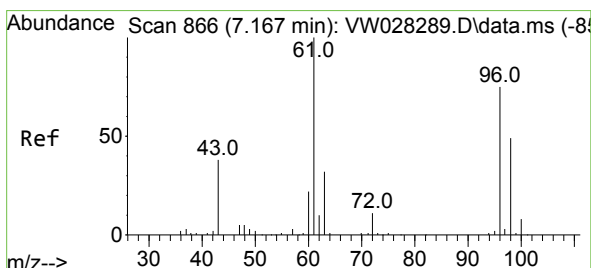
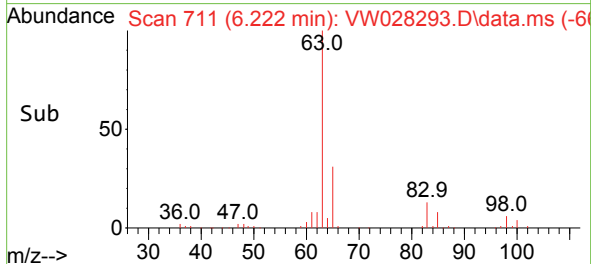
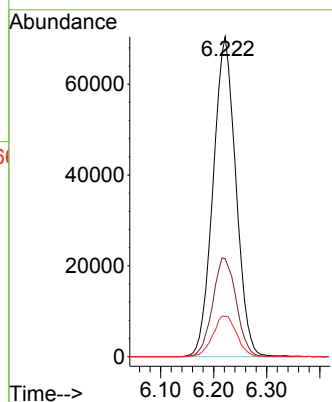
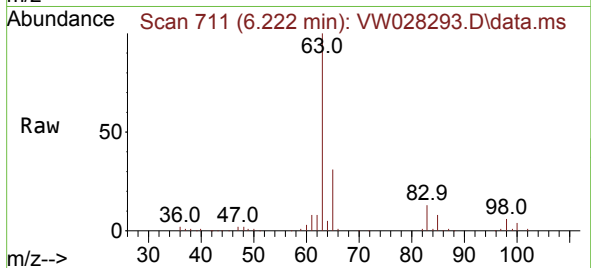
Tgt Ion: 63 Resp: 209975

Ion Ratio Lower Upper

63 100

65 30.7 22.1 41.1

83 12.7 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 28.562 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

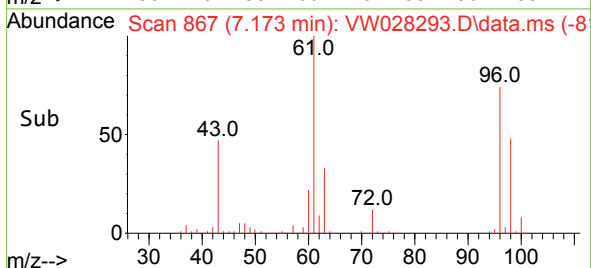
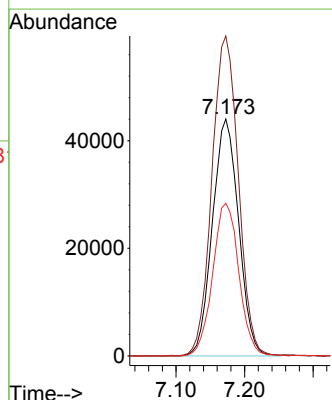
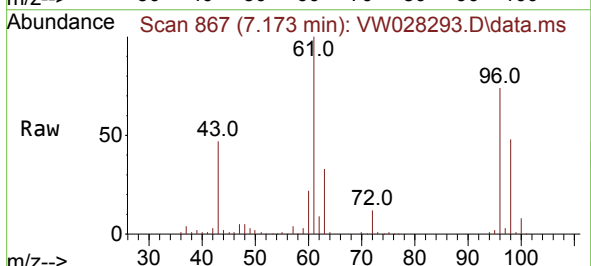
Tgt Ion: 96 Resp: 116949

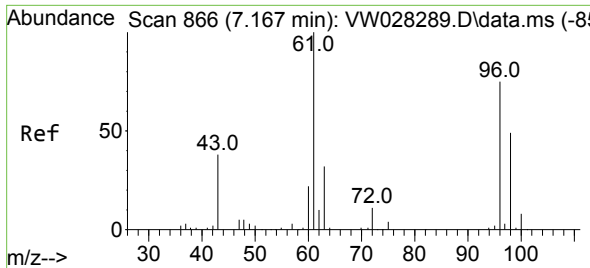
Ion Ratio Lower Upper

96 100

61 135.0 95.7 177.7

98 64.4 43.9 81.5

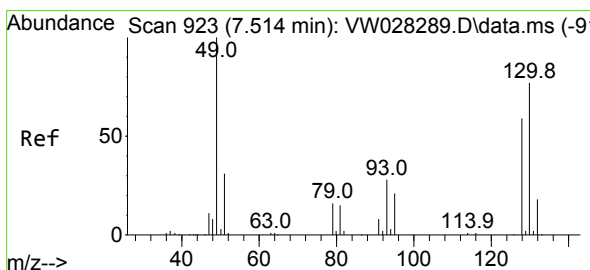
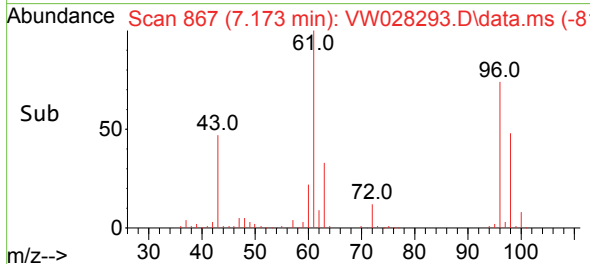
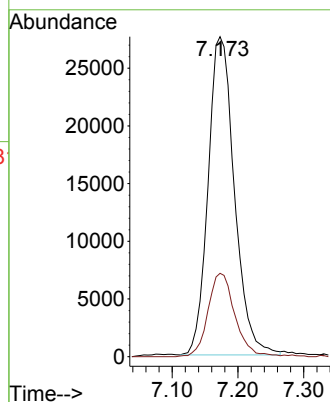
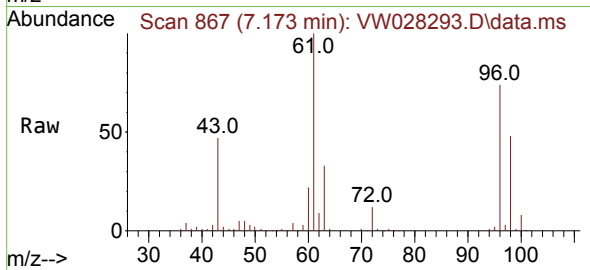




#22  
2-Butanone  
Concen: 64.076 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

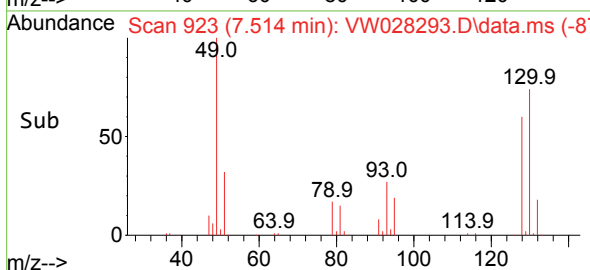
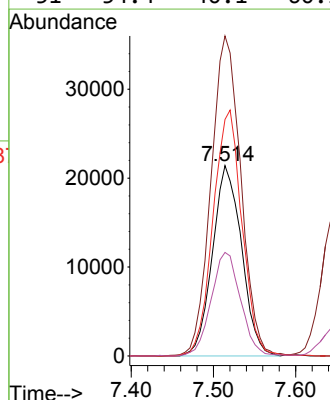
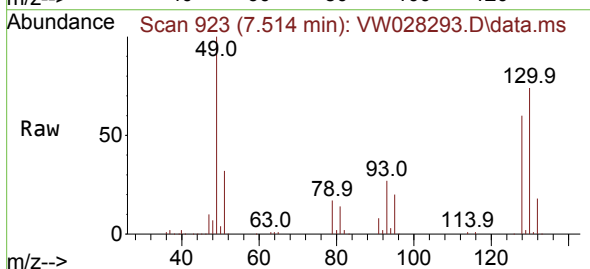
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

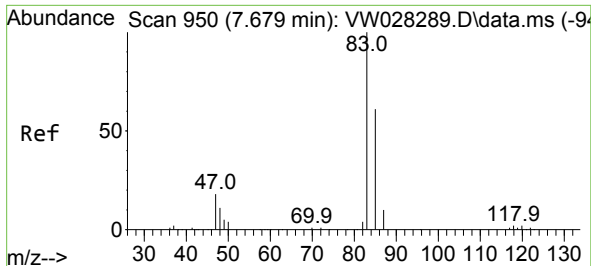
Tgt Ion: 43 Resp: 77011  
Ion Ratio Lower Upper  
43 100  
72 26.3 12.8 38.4



#23  
Bromochloromethane  
Concen: 29.091 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion: 128 Resp: 52662  
Ion Ratio Lower Upper  
128 100  
49 168.0 116.6 216.6  
130 124.2 80.1 148.7  
51 54.4 40.1 60.1

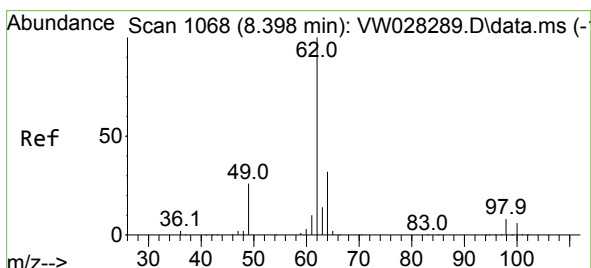
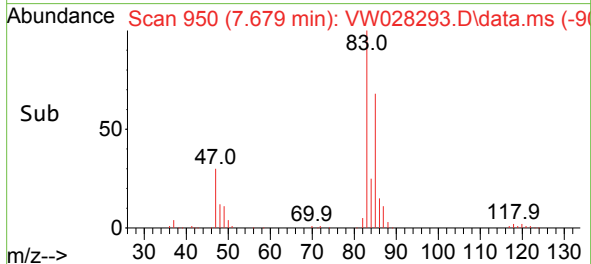
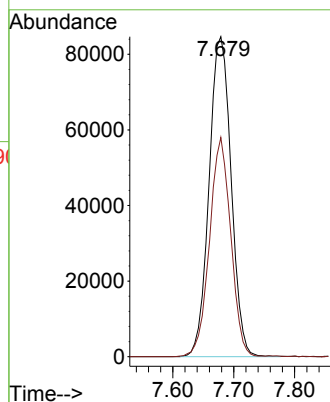
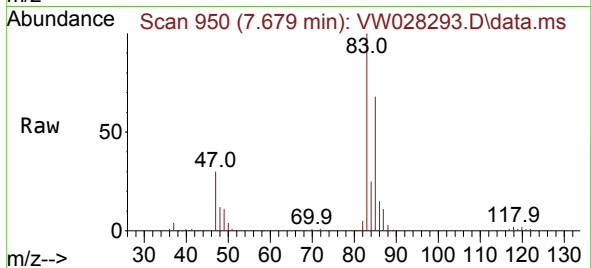




#25  
Chloroform  
Concen: 28.146 ug/L  
RT: 7.679 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

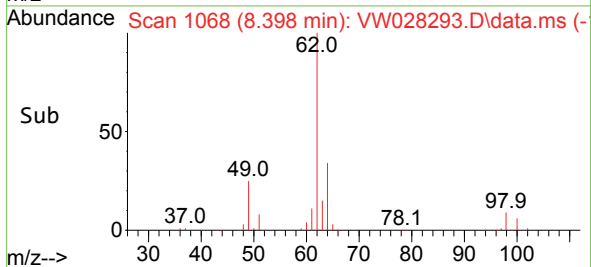
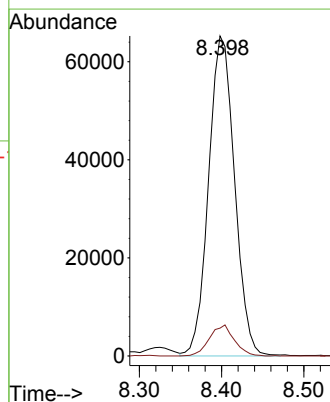
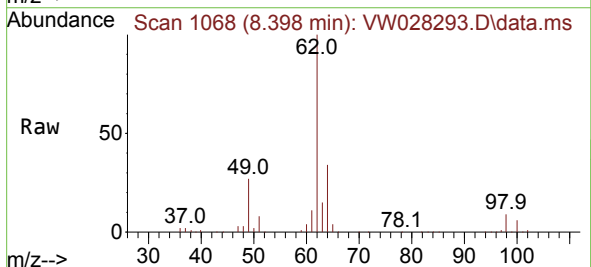
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

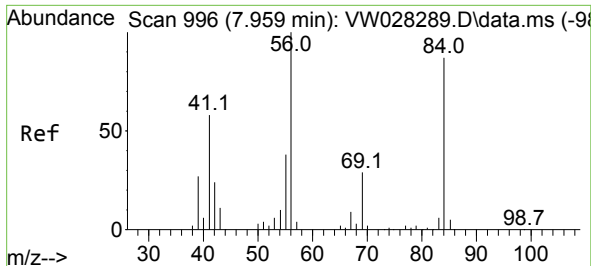
Tgt Ion: 83 Resp: 212679  
Ion Ratio Lower Upper  
83 100  
85 68.5 44.5 82.7



#27  
1,2-Dichloroethane  
Concen: 26.902 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion: 62 Resp: 143552  
Ion Ratio Lower Upper  
62 100  
98 8.7 5.9 8.9





#29

Cyclohexane

Concen: 24.945 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

Instrument :

MSVOA\_W

ClientSampleId :

E07D6MSD

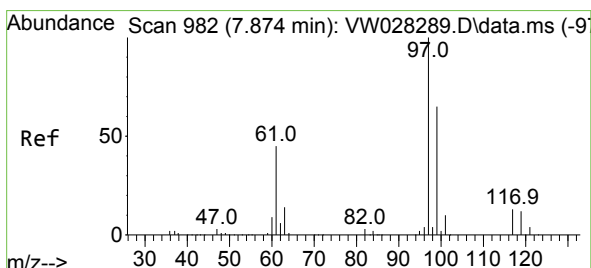
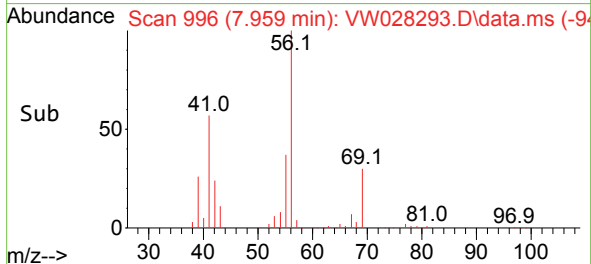
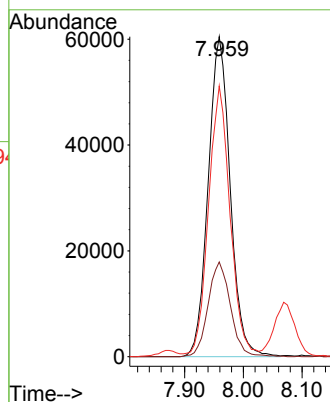
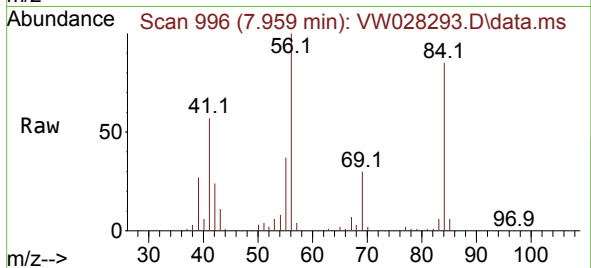
Tgt Ion: 56 Resp: 157439

Ion Ratio Lower Upper

56 100

69 30.0 24.0 36.0

84 83.1 68.4 102.6



#30

1,1,1-Trichloroethane

Concen: 27.724 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

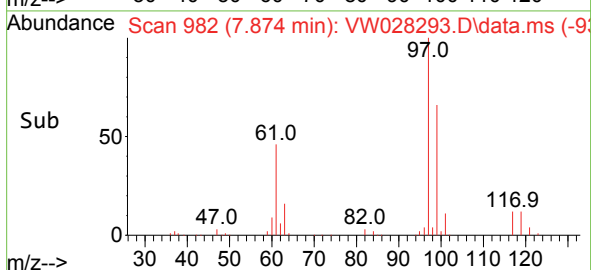
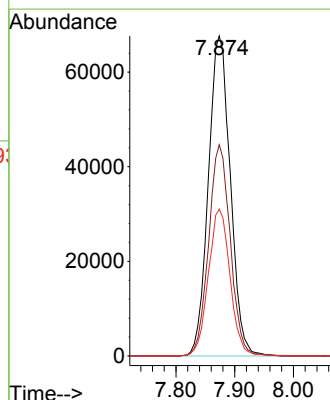
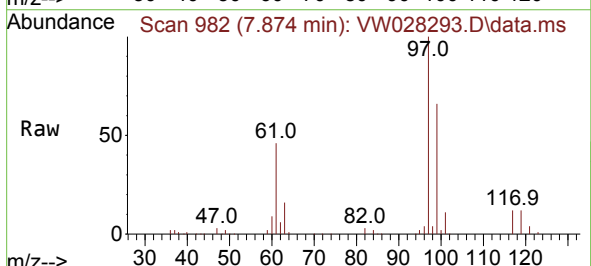
Tgt Ion: 97 Resp: 175856

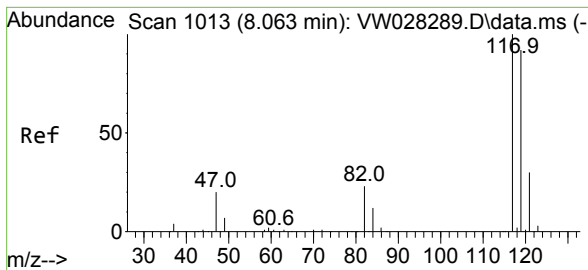
Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 45.2 37.0 55.6

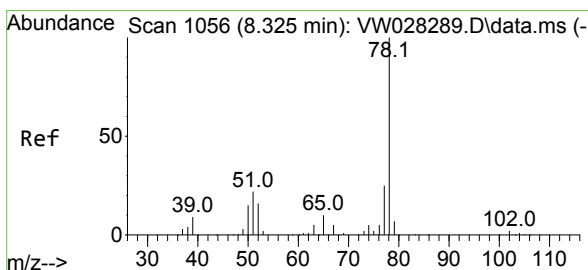
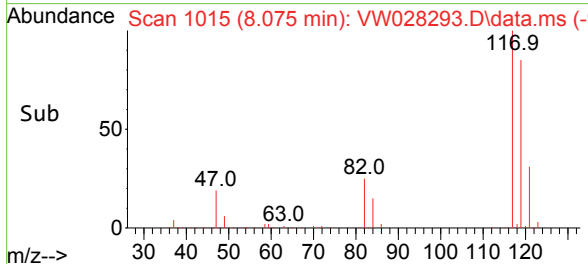
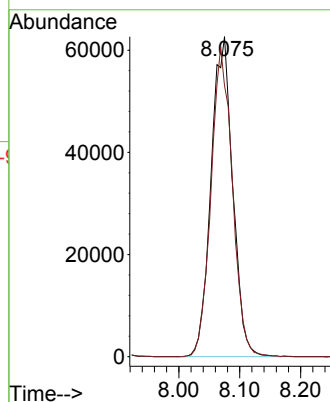
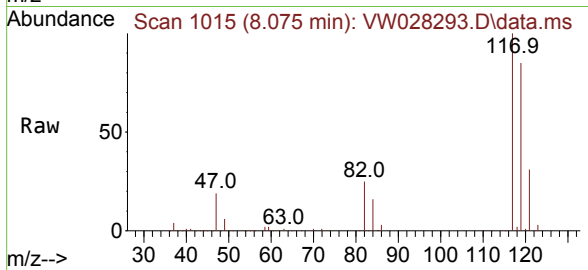




#31  
Carbon tetrachloride  
Concen: 25.921 ug/L  
RT: 8.075 min Scan# 1013  
Delta R.T. 0.012 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

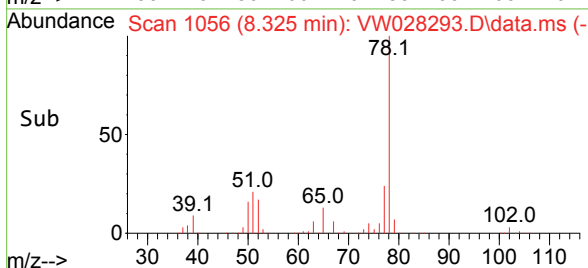
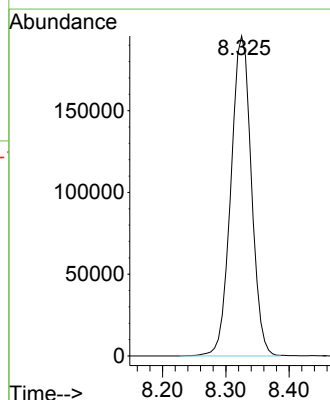
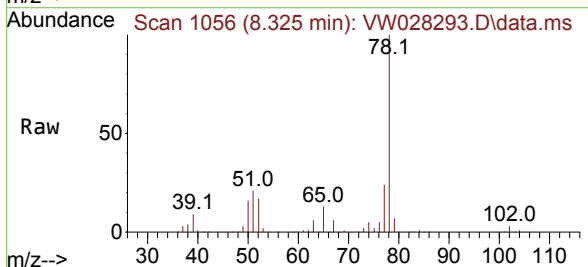
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

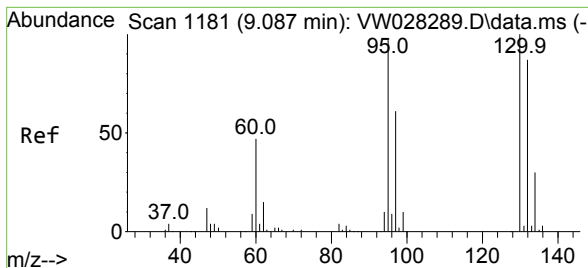
Tgt Ion:117 Resp: 154221  
Ion Ratio Lower Upper  
117 100  
119 95.6 78.2 117.4



#33  
Benzene  
Concen: 29.605 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion: 78 Resp: 440821





#34

Trichloroethene

Concen: 27.754 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

Instrument :

MSVOA\_W

ClientSampleId :

E07D6MSD

Tgt Ion: 95 Resp: 115295

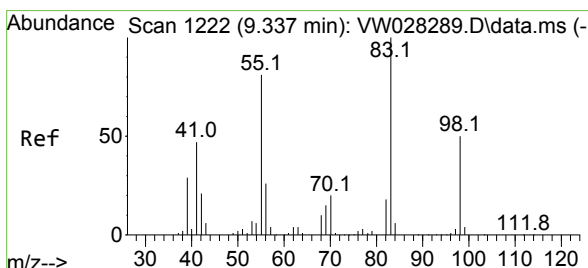
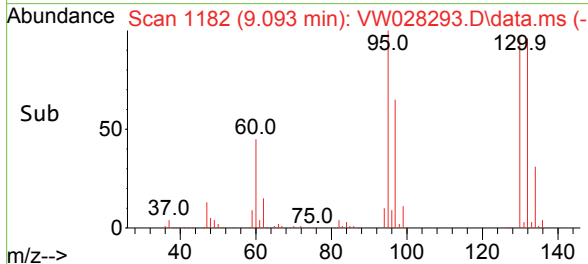
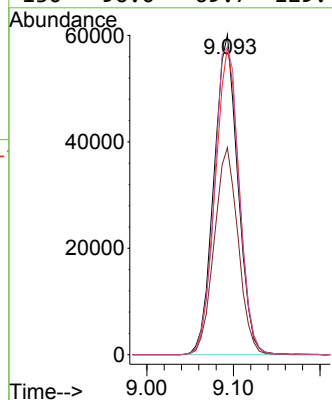
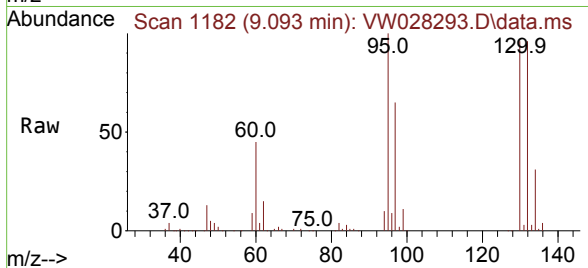
Ion Ratio Lower Upper

95 100

97 64.7 42.4 78.6

132 96.1 69.4 128.8

130 96.0 69.7 129.4



#35

Methylcyclohexane

Concen: 19.474 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

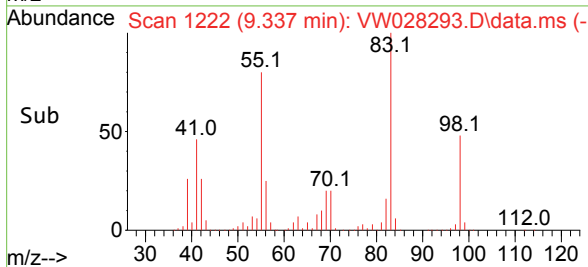
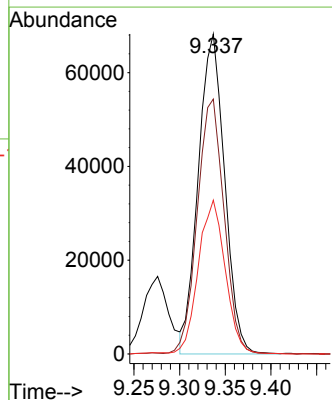
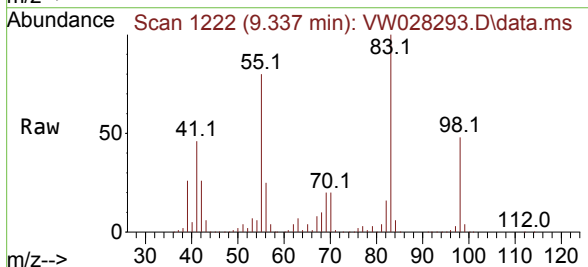
Tgt Ion: 83 Resp: 136745

Ion Ratio Lower Upper

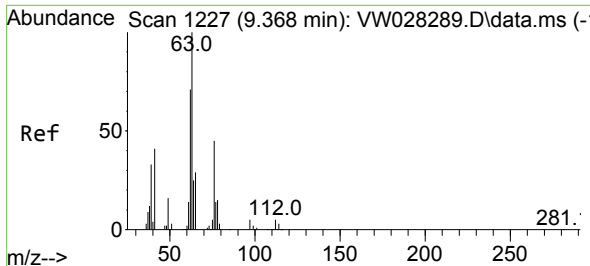
83 100

55 81.3 64.2 96.4

98 49.3 38.3 57.5



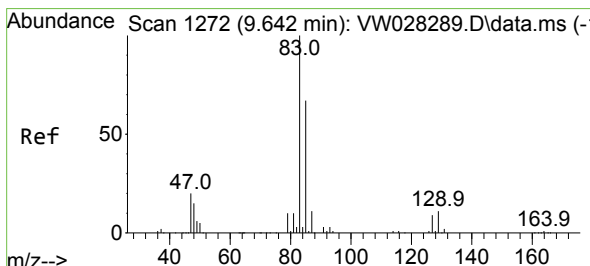
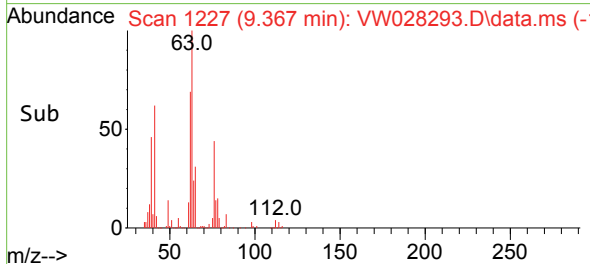
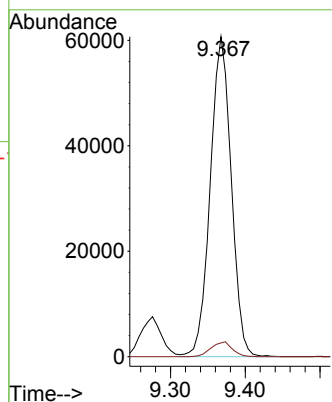
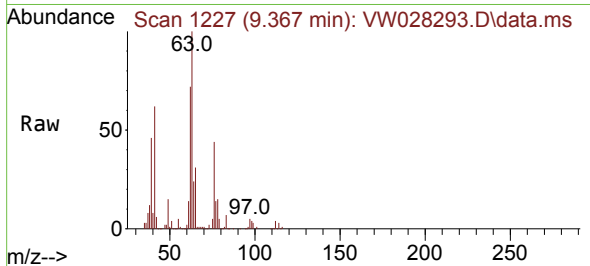




#37  
1,2-Dichloropropane  
Concen: 31.113 ug/L  
RT: 9.367 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

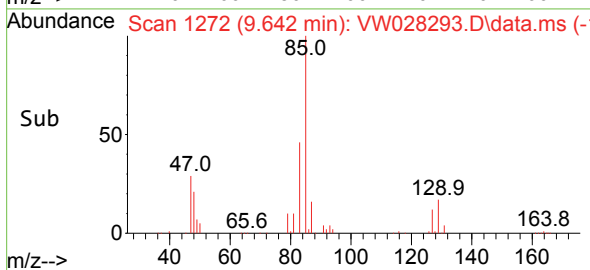
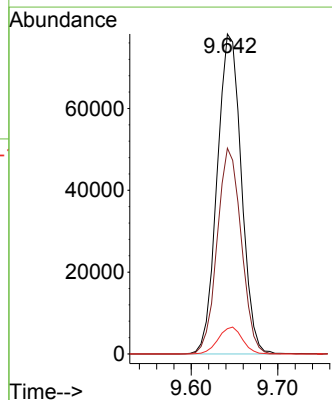
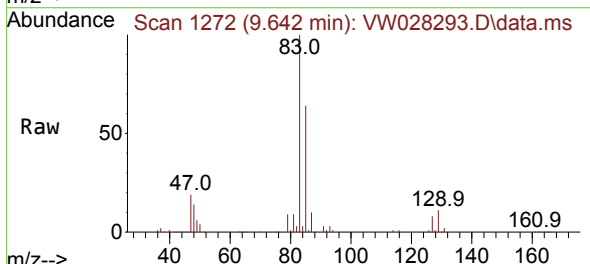
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

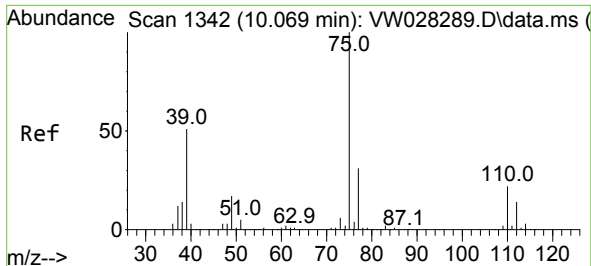
Tgt Ion: 63 Resp: 118495  
Ion Ratio Lower Upper  
63 100  
112 4.7 3.8 5.8



#38  
Bromodichloromethane  
Concen: 29.570 ug/L  
RT: 9.642 min Scan# 1272  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion: 83 Resp: 151841  
Ion Ratio Lower Upper  
83 100  
85 64.3 45.8 85.2  
127 7.9 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 31.008 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

Instrument :

MSVOA\_W

ClientSampleId :

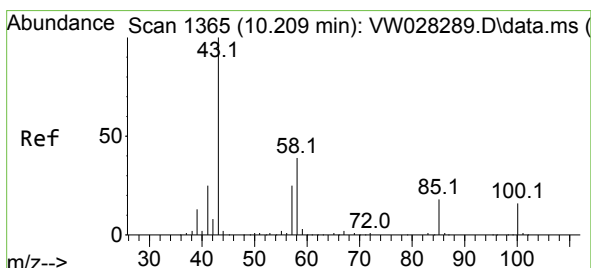
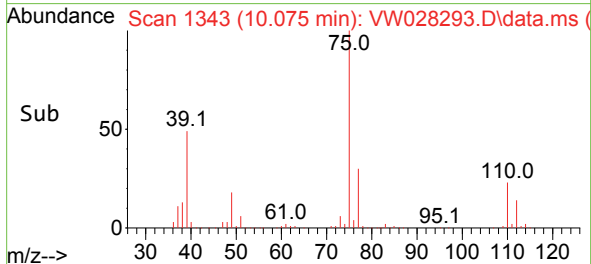
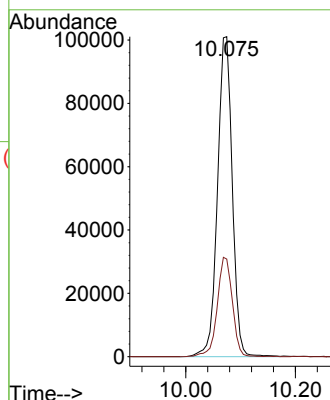
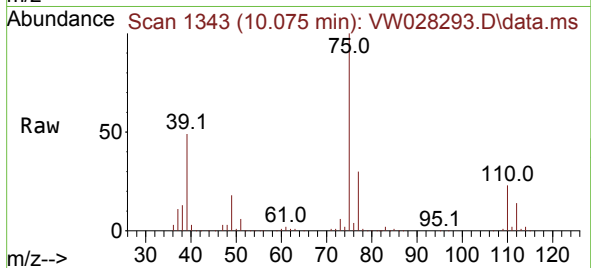
E07D6MSD

Tgt Ion: 75 Resp: 189130

Ion Ratio Lower Upper

75 100

77 30.5 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 71.661 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

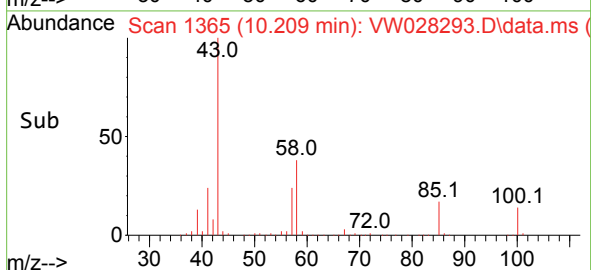
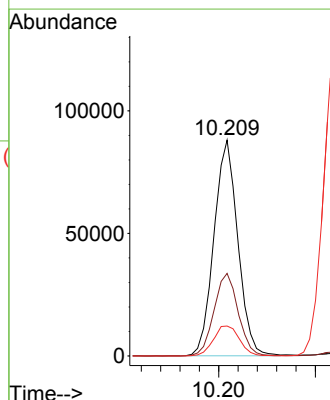
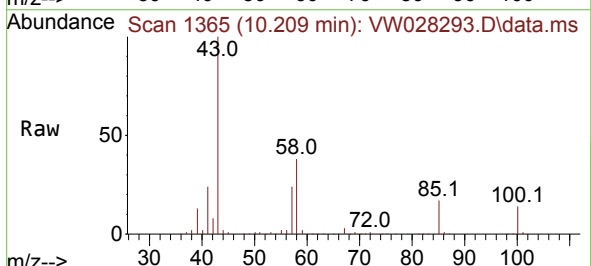
Tgt Ion: 43 Resp: 150650

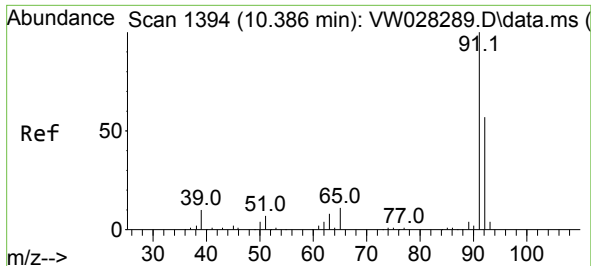
Ion Ratio Lower Upper

43 100

58 38.8 30.1 45.1

100 15.2 11.8 17.8





#42

Toluene

Concen: 28.776 ug/L

RT: 10.385 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

Instrument :

MSVOA\_W

ClientSampleId :

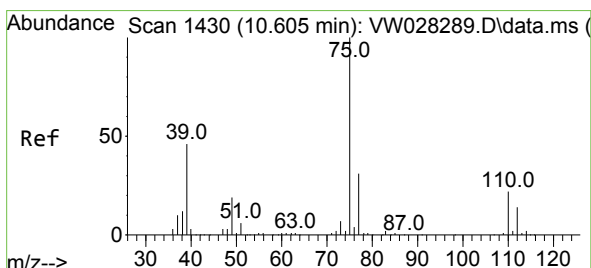
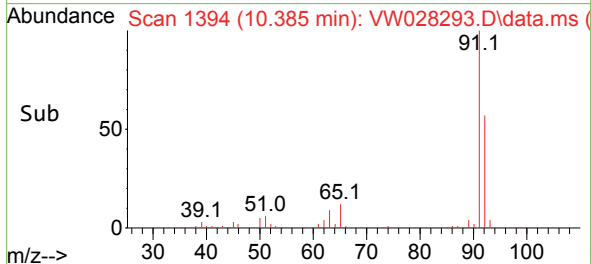
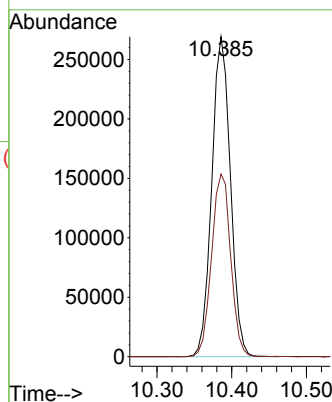
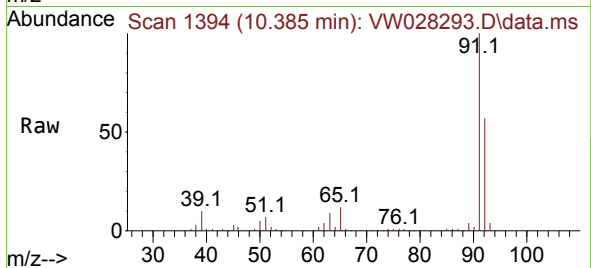
E07D6MSD

Tgt Ion: 91 Resp: 467627

Ion Ratio Lower Upper

91 100

92 57.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 30.973 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW028293.D

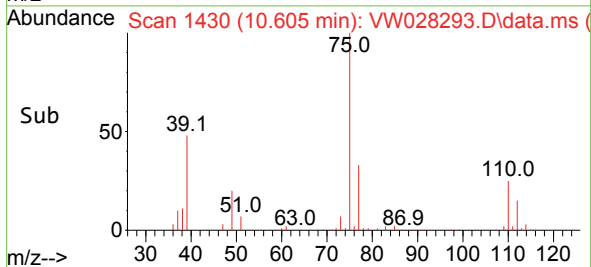
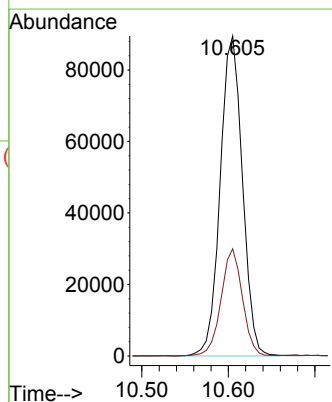
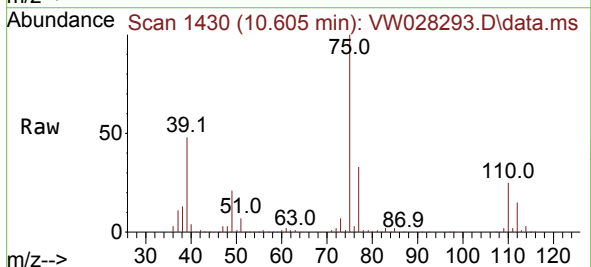
Acq: 03 Apr 2024 15:10

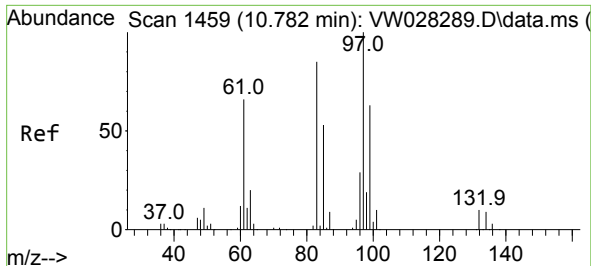
Tgt Ion: 75 Resp: 159498

Ion Ratio Lower Upper

75 100

77 33.5 23.0 42.6

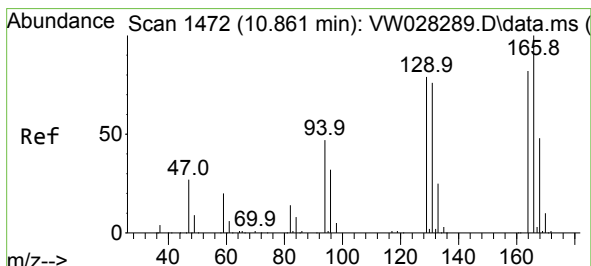
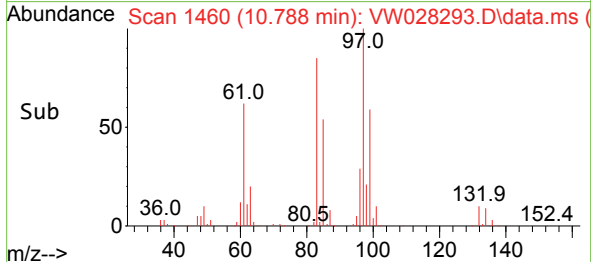
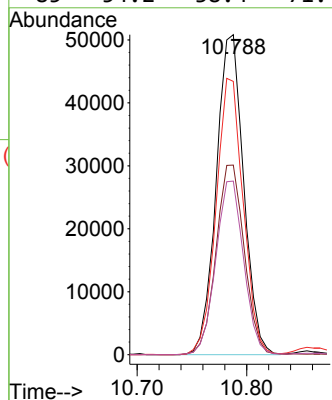
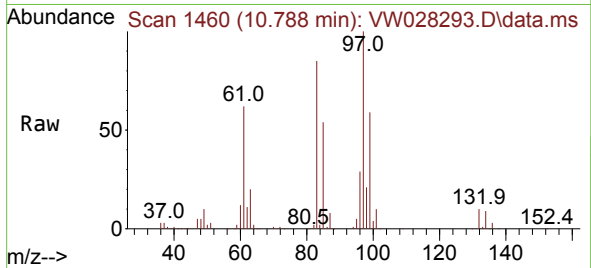




#45  
1,1,2-Trichloroethane  
Concen: 32.063 ug/L  
RT: 10.788 min Scan# 1459  
Delta R.T. 0.006 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

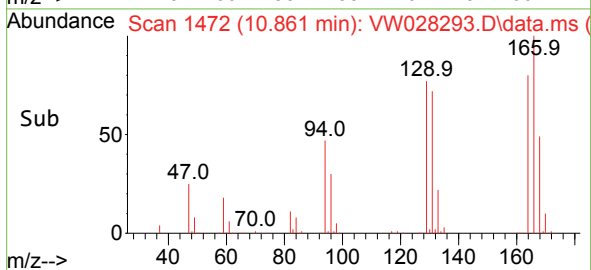
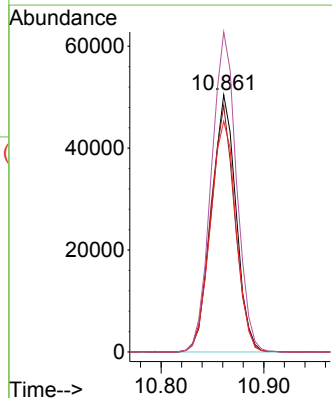
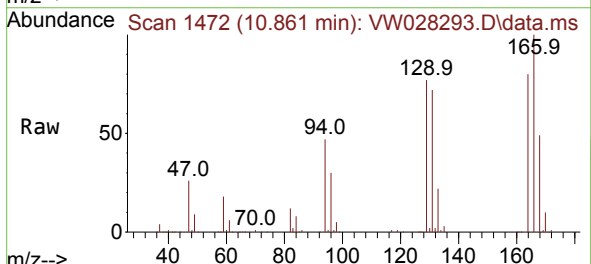
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

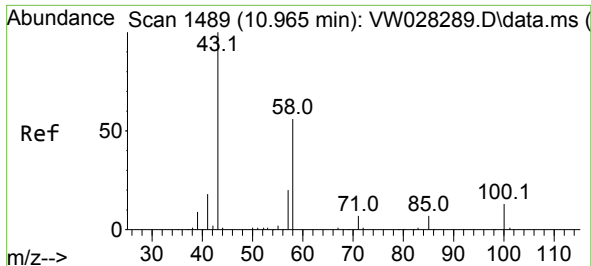
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 88230 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 59.3     | 43.4 80.6   |
| 83 85.4     | 59.4 110.4  |
| 85 54.2     | 38.4 71.4   |



#46  
Tetrachloroethene  
Concen: 24.916 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 83435 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 95.8    | 64.0  | 119.0 |
| 131 | 89.8    | 62.6  | 116.3 |
| 166 | 124.5   | 84.7  | 157.3 |



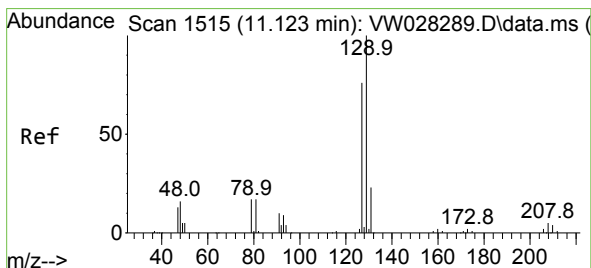
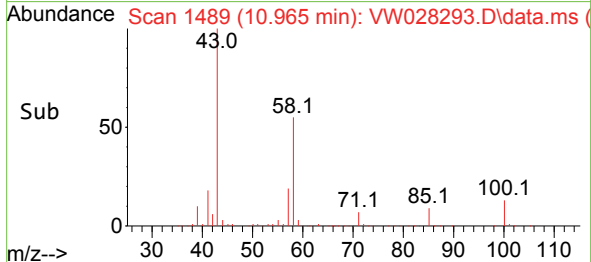
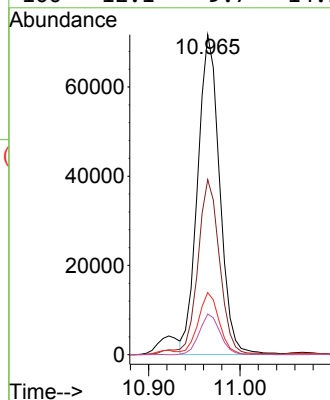
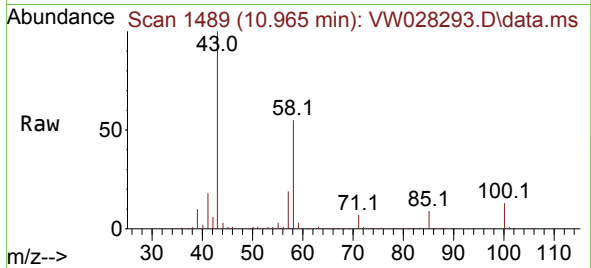


#48  
2-Hexanone  
Concen: 72.734 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

Tgt Ion: 43 Resp: 119778

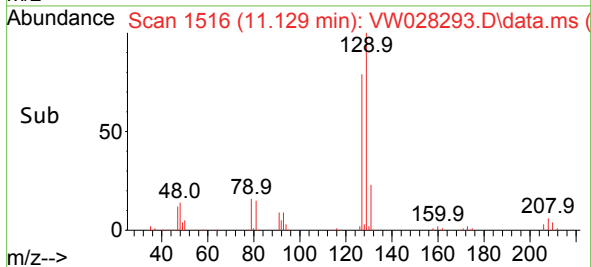
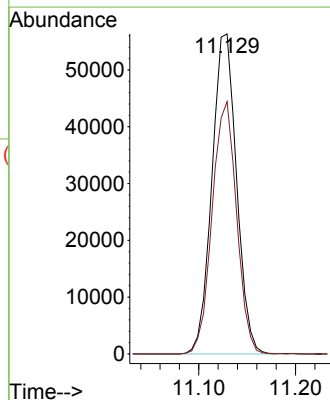
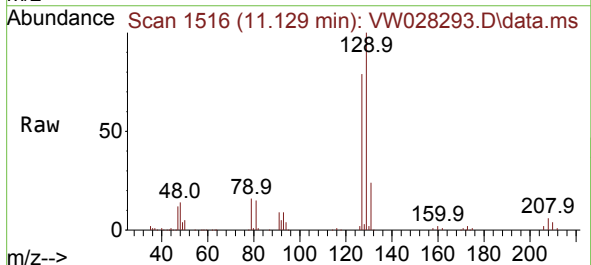
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 52.7  | 40.6  | 61.0  |
| 57  | 18.6  | 15.7  | 23.5  |
| 100 | 12.1  | 9.7   | 14.5  |

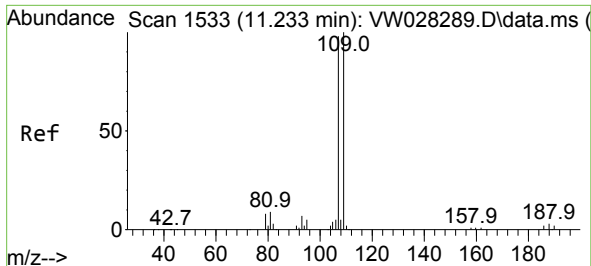


#49  
Dibromochloromethane  
Concen: 30.563 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion: 129 Resp: 99604

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.9  | 53.1  | 98.7  |





#50

1,2-Dibromoethane

Concen: 31.526 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

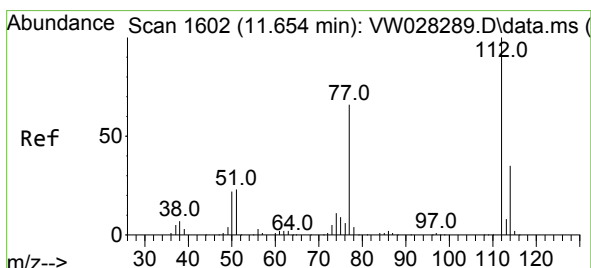
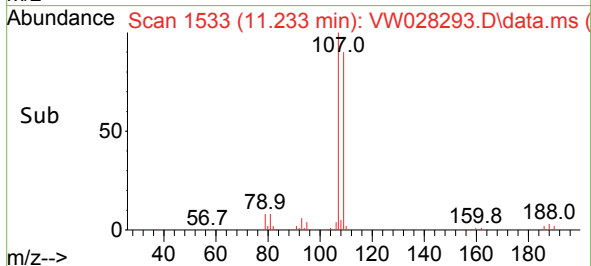
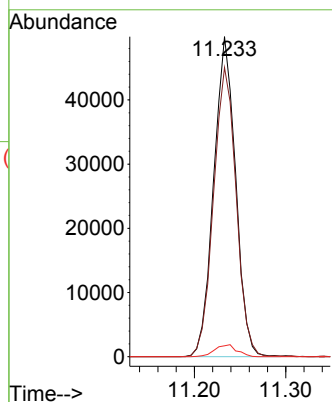
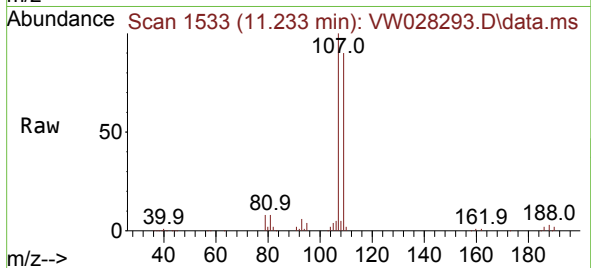
Instrument :

MSVOA\_W

ClientSampleId :

E07D6MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 82950 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 90.4  | 64.4  | 119.6 |
| 188      | 3.4   | 3.4   | 5.2#  |



#51

Chlorobenzene

Concen: 27.818 ug/L

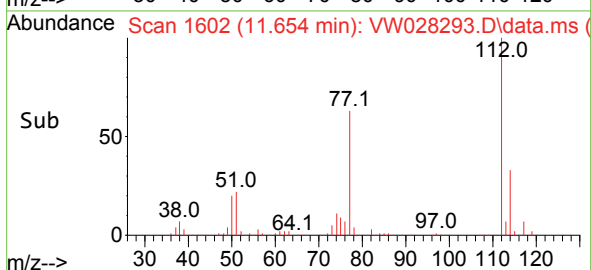
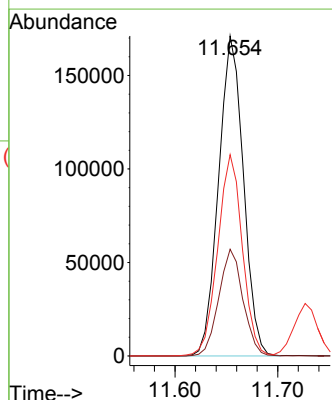
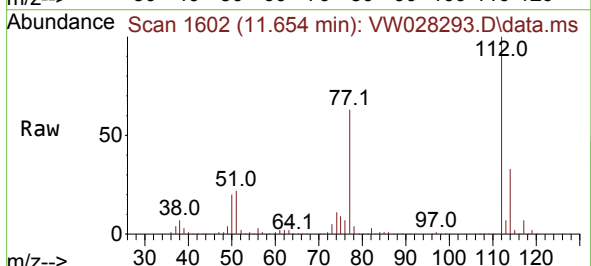
RT: 11.654 min Scan# 1602

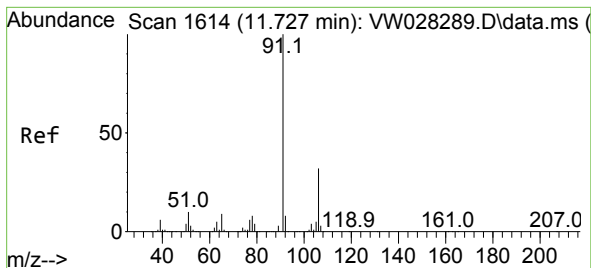
Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 286942 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 33.3  | 21.8  | 40.6   |
| 77       | 62.9  | 50.6  | 76.0   |

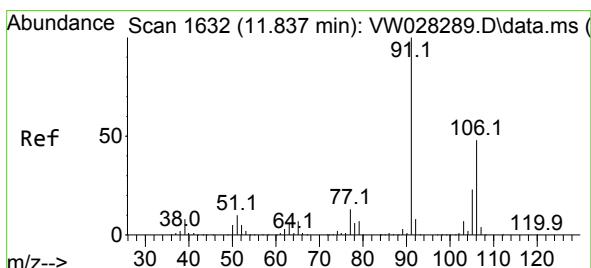
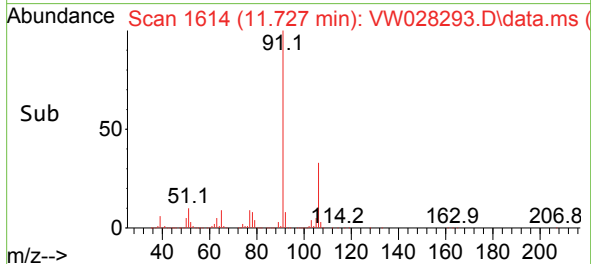
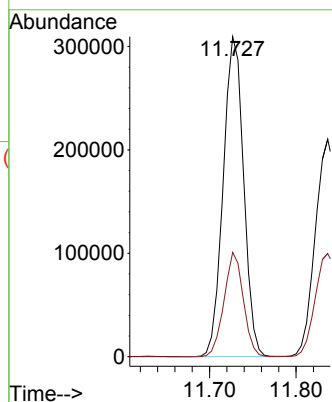
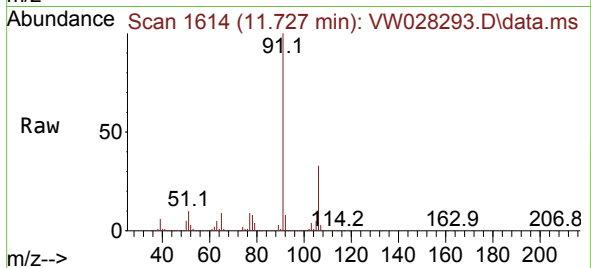




#52  
Ethylbenzene  
Concen: 26.721 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

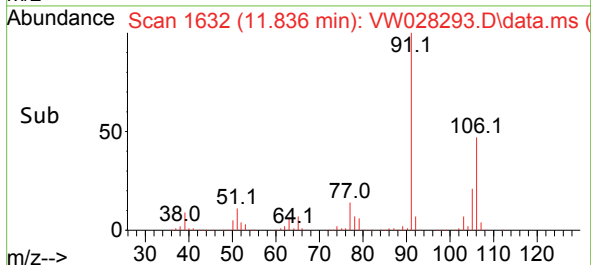
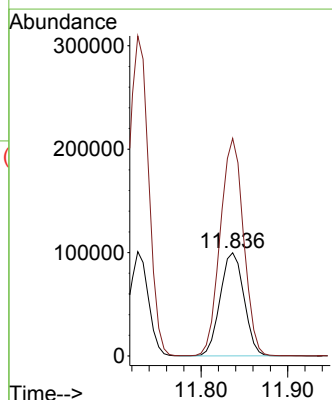
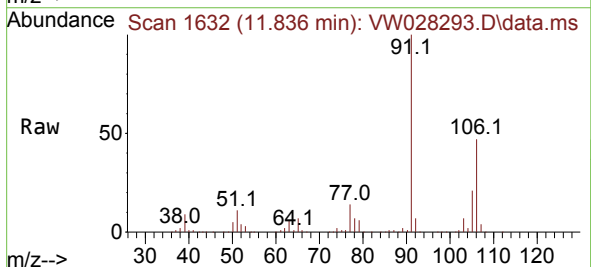
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

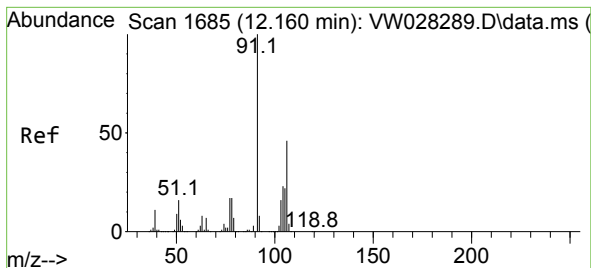
Tgt Ion: 91 Resp: 506907  
Ion Ratio Lower Upper  
91 100  
106 32.6 21.3 39.5



#53  
m,p-Xylene  
Concen: 26.679 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion: 106 Resp: 190459  
Ion Ratio Lower Upper  
106 100  
91 210.9 147.1 273.1





#54

o-Xylene

Concen: 27.821 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

Instrument :

MSVOA\_W

ClientSampleId :

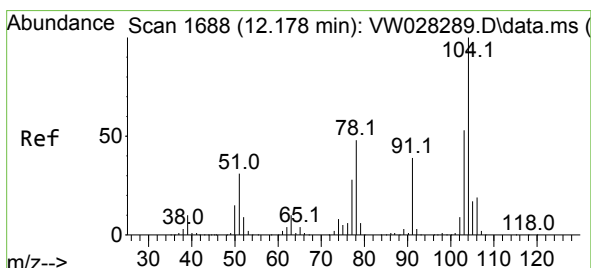
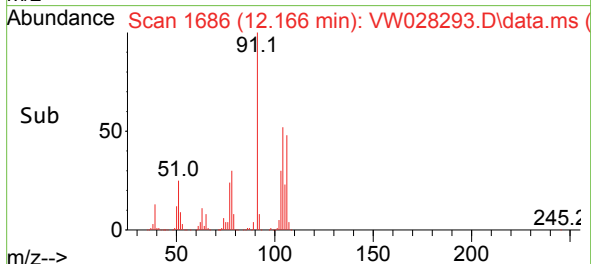
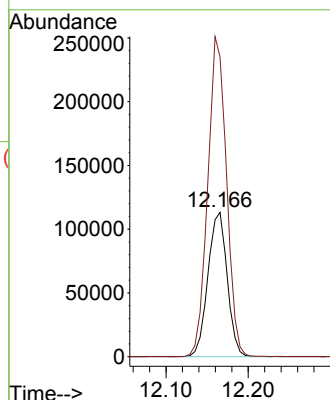
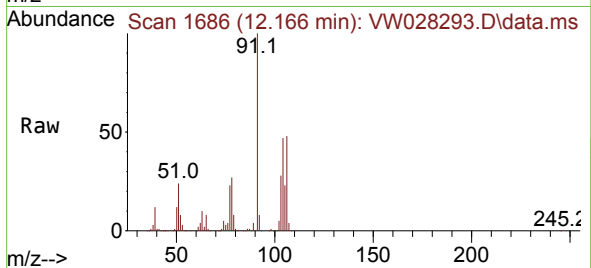
E07D6MSD

Tgt Ion:106 Resp: 184176

Ion Ratio Lower Upper

106 100

91 207.7 149.2 277.2



#55

Styrene

Concen: 28.837 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW028293.D

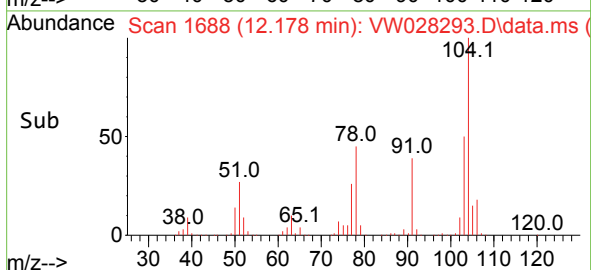
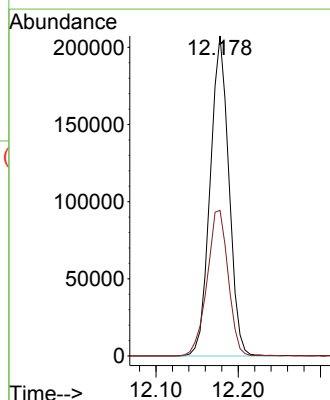
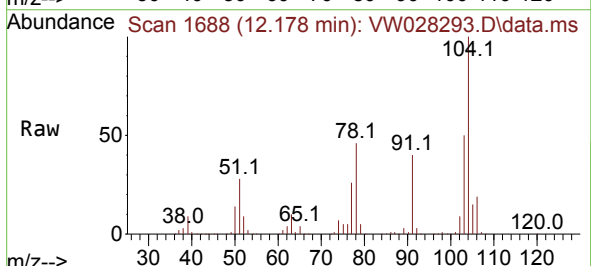
Acq: 03 Apr 2024 15:10

Tgt Ion:104 Resp: 327913

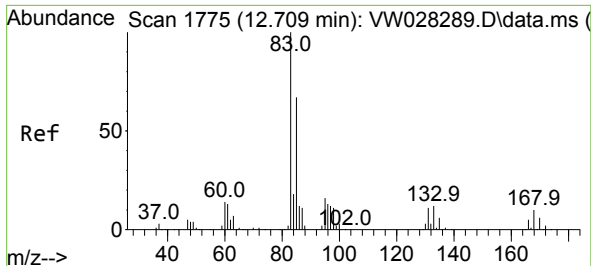
Ion Ratio Lower Upper

104 100

78 45.5 33.2 61.7



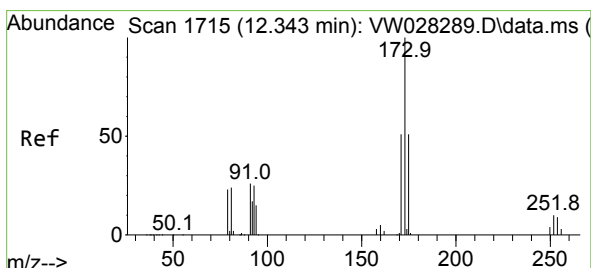
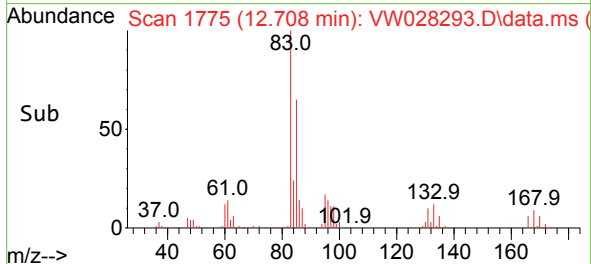
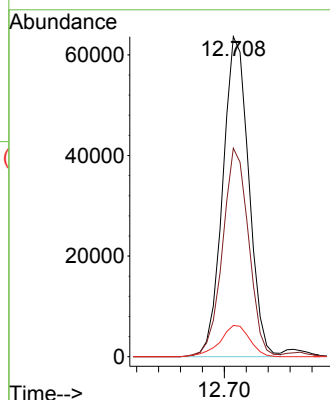
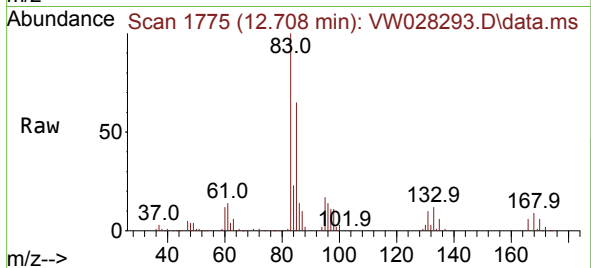




#57  
1,1,2,2-Tetrachloroethane  
Concen: 33.310 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

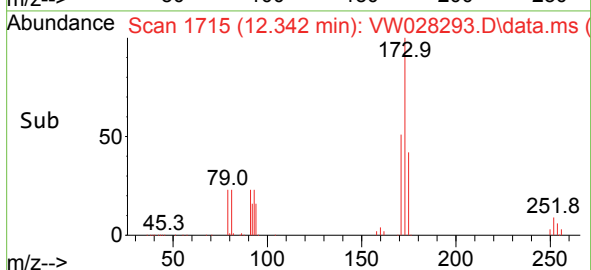
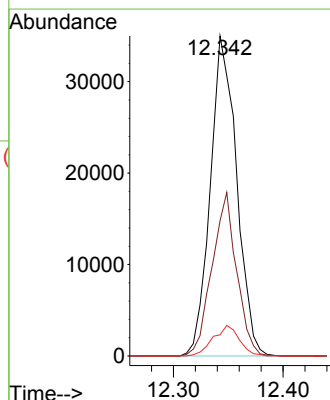
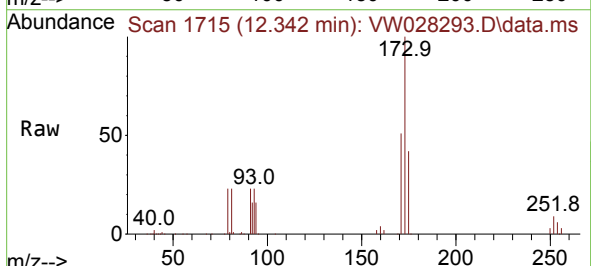
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

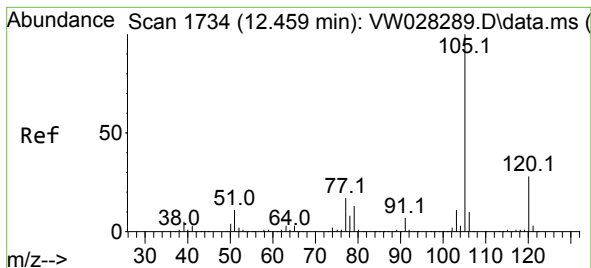
Tgt Ion: 83 Resp: 104842  
Ion Ratio Lower Upper  
83 100  
85 65.2 47.0 87.2  
131 9.8 8.9 13.3



#59  
Bromoform  
Concen: 33.995 ug/L  
RT: 12.342 min Scan# 1715  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion: 173 Resp: 58408  
Ion Ratio Lower Upper  
173 100  
175 47.7 39.8 59.6  
254 9.5 8.5 12.7





#60

Isopropylbenzene

Concen: 27.751 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

Instrument :

MSVOA\_W

ClientSampleId :

E07D6MSD

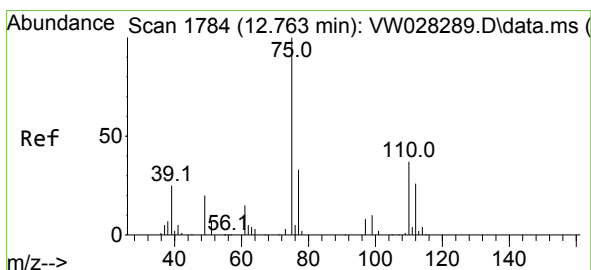
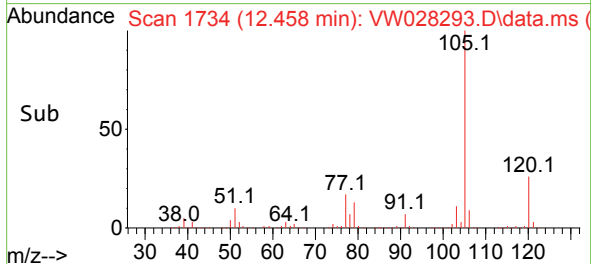
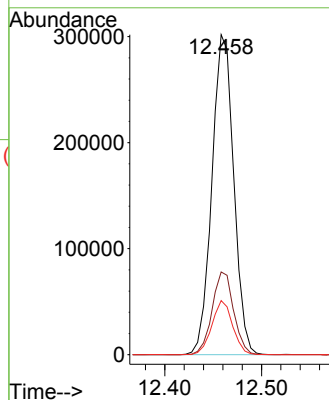
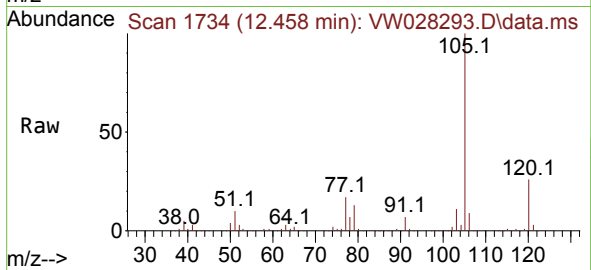
Tgt Ion:105 Resp: 472755

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.6

77 16.1 13.7 20.5



#61

1,2,3-Trichloropropane

Concen: 35.291 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

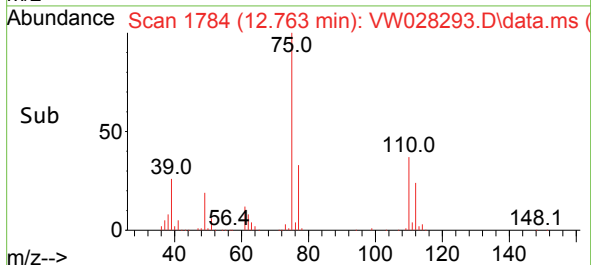
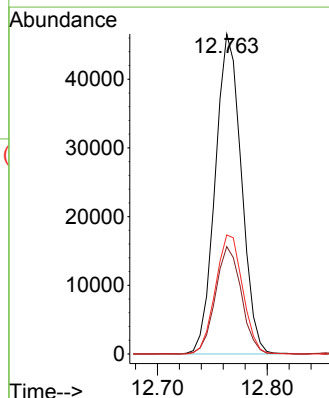
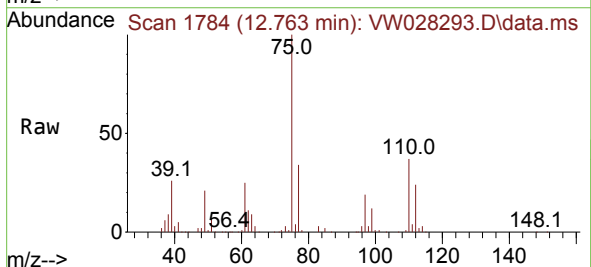
Tgt Ion: 75 Resp: 77227

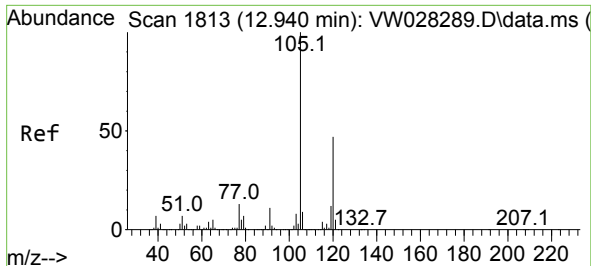
Ion Ratio Lower Upper

75 100

77 33.3 26.0 39.0

110 38.7 32.2 48.2

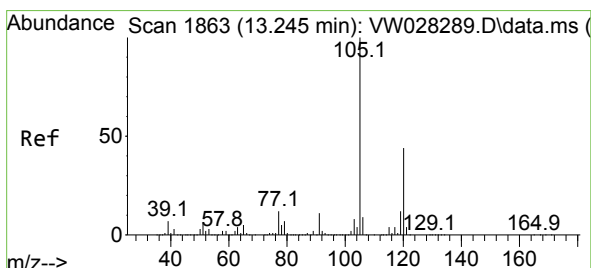
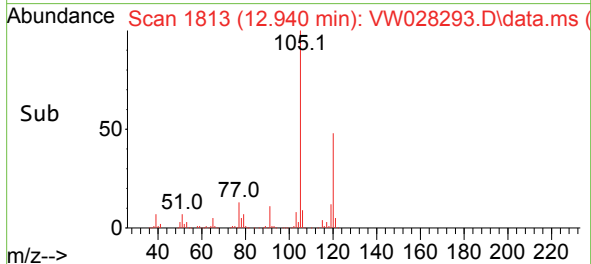
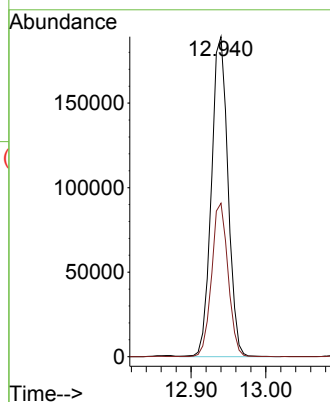
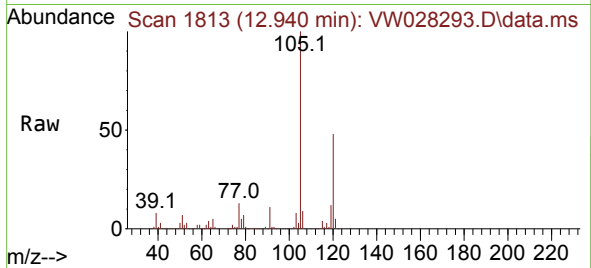




#62  
1,3,5-Trimethylbenzene  
Concen: 25.571 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

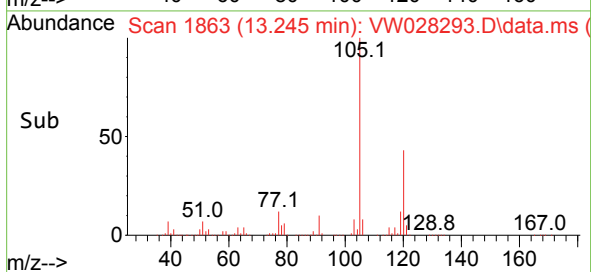
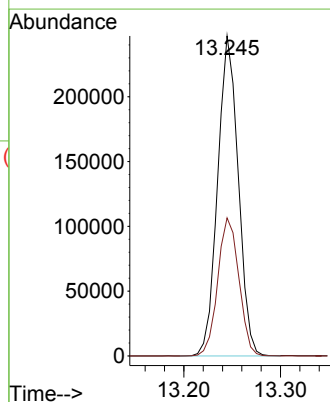
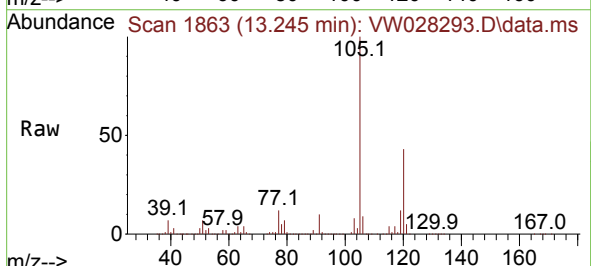
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

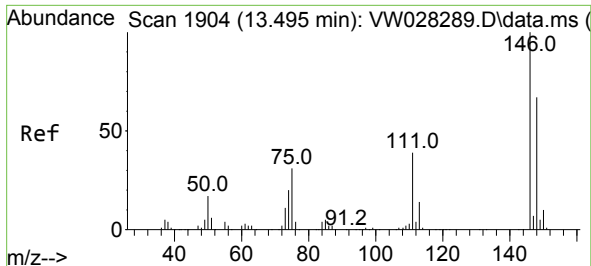
Tgt Ion:105 Resp: 292290  
Ion Ratio Lower Upper  
105 100  
120 47.5 38.2 57.2



#63  
1,2,4-Trimethylbenzene  
Concen: 26.473 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion:105 Resp: 365393  
Ion Ratio Lower Upper  
105 100  
120 44.2 35.6 53.4

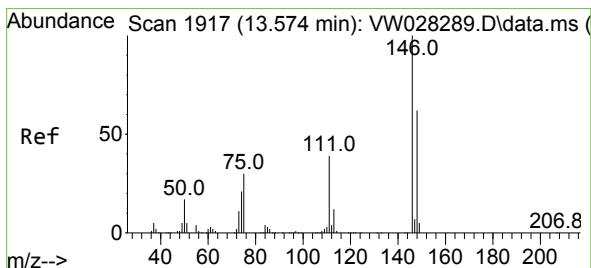
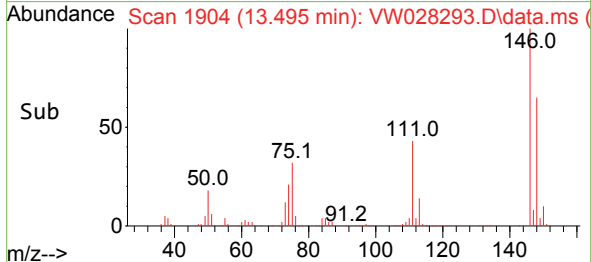
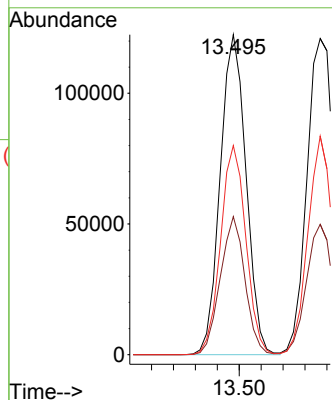
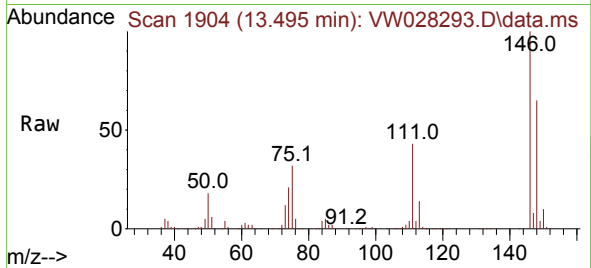




#64  
1,3-Dichlorobenzene  
Concen: 26.348 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

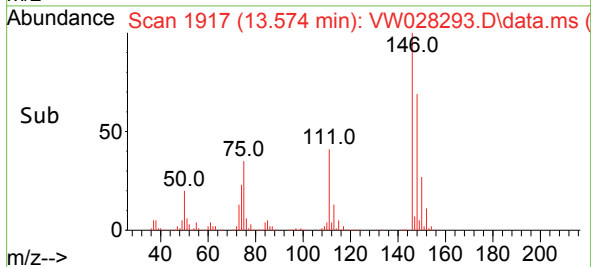
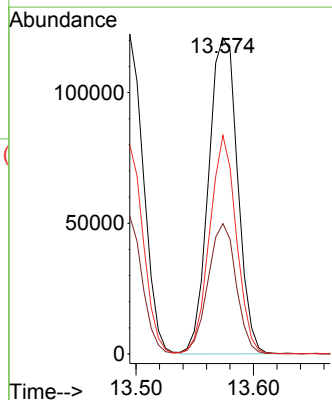
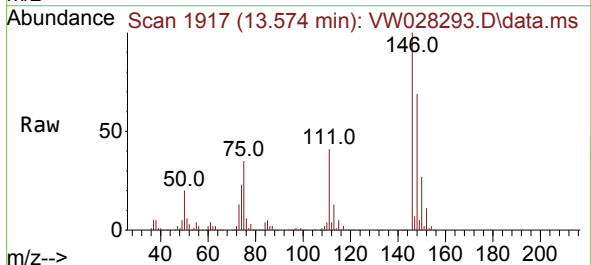
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MSD

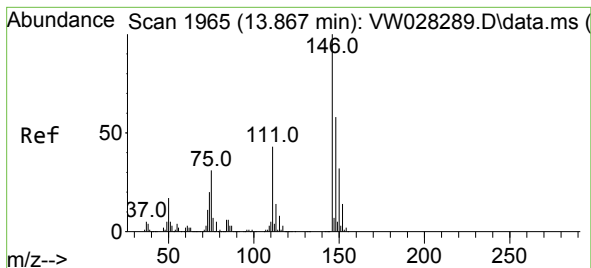
Tgt Ion:146 Resp: 200248  
Ion Ratio Lower Upper  
146 100  
111 43.2 28.5 52.9  
148 65.3 43.0 80.0



#65  
1,4-Dichlorobenzene  
Concen: 27.332 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW028293.D  
Acq: 03 Apr 2024 15:10

Tgt Ion:146 Resp: 207714  
Ion Ratio Lower Upper  
146 100  
111 41.2 28.8 53.6  
148 69.1 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 28.386 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

Instrument :

MSVOA\_W

ClientSampleId :

E07D6MSD

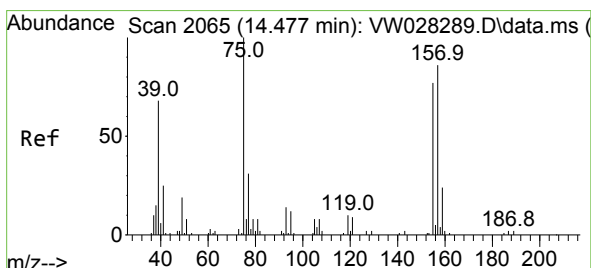
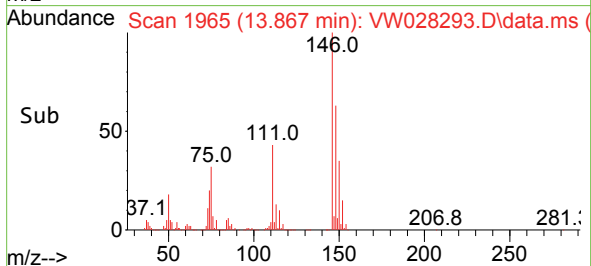
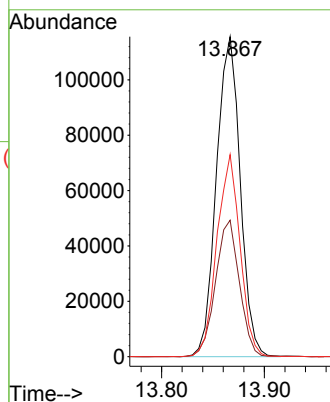
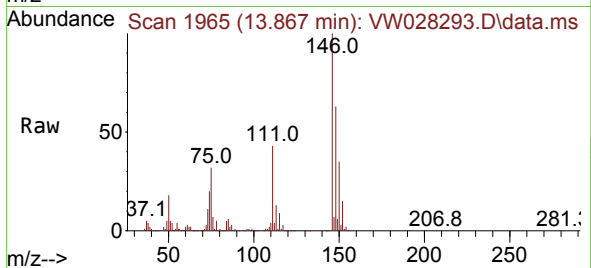
Tgt Ion:146 Resp: 185783

Ion Ratio Lower Upper

146 100

111 42.6 34.2 51.2

148 63.2 48.1 72.1



#68

1,2-Dibromo-3-chloropropane

Concen: 34.102 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

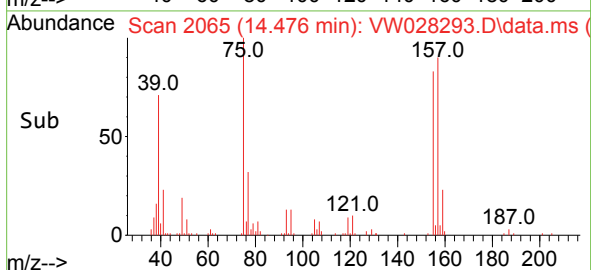
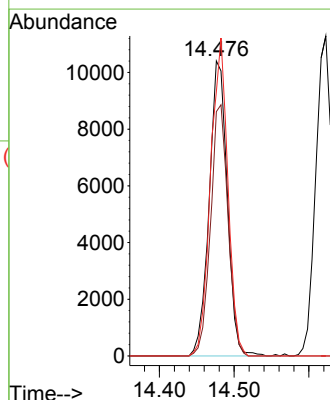
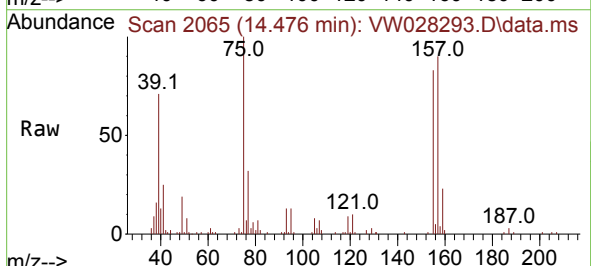
Tgt Ion: 75 Resp: 17530

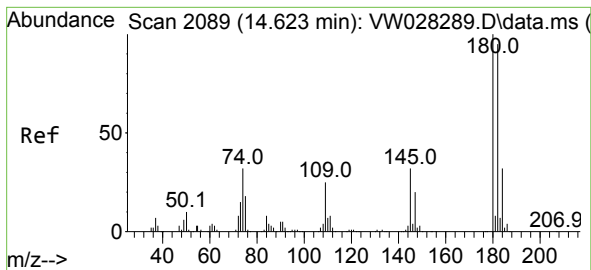
Ion Ratio Lower Upper

75 100

155 82.8 61.1 91.7

157 89.6 74.2 111.4

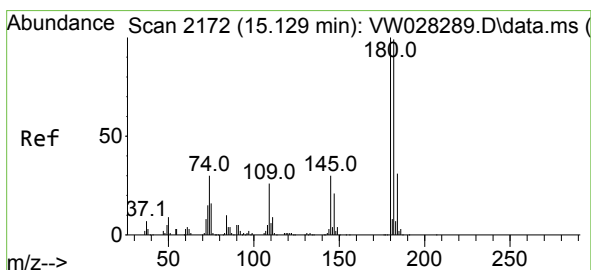
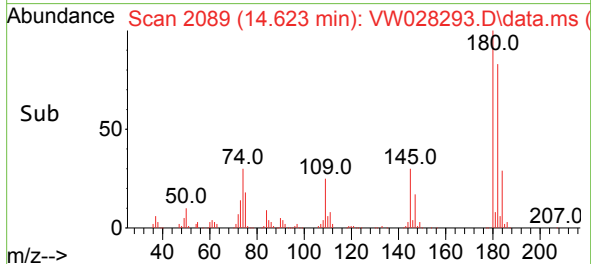
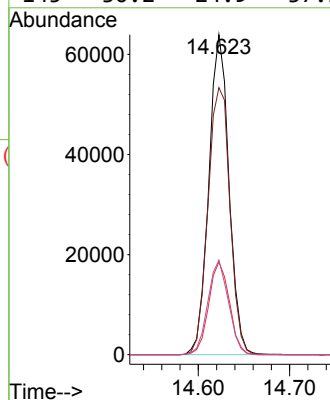
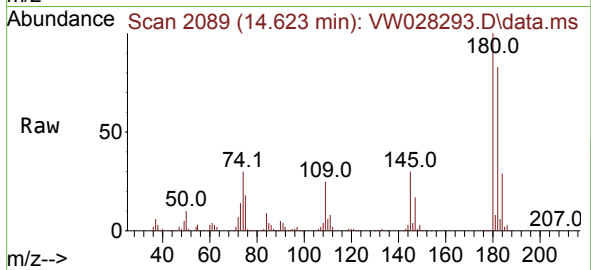




#69  
 1,3,5-Trichlorobenzene  
 Concen: 18.483 ug/L  
 RT: 14.623 min Scan# 2089  
 Delta R.T. -0.000 min  
 Lab File: VW028293.D  
 Acq: 03 Apr 2024 15:10

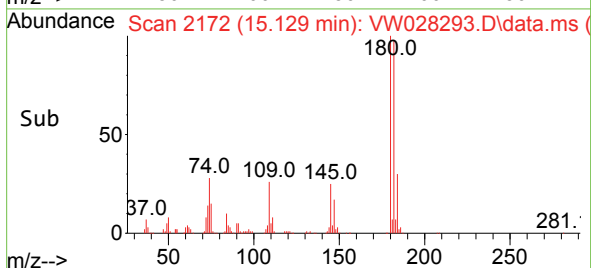
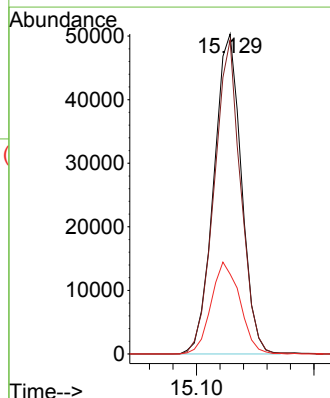
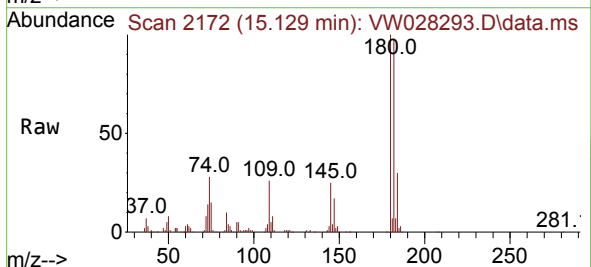
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E07D6MSD

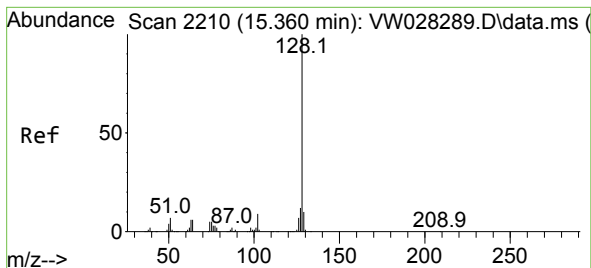
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 97849      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 90.7  | 76.6 114.8 |
| 184         | 29.7  | 23.5 35.3  |
| 145         | 30.2  | 24.9 37.3  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 18.234 ug/L  
 RT: 15.129 min Scan# 2172  
 Delta R.T. -0.000 min  
 Lab File: VW028293.D  
 Acq: 03 Apr 2024 15:10

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 82008      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.0  | 73.8 110.8 |
| 145         | 30.0  | 25.0 37.6  |





#71

Naphthalene

Concen: 28.505 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

Instrument :

MSVOA\_W

ClientSampleId :

E07D6MSD

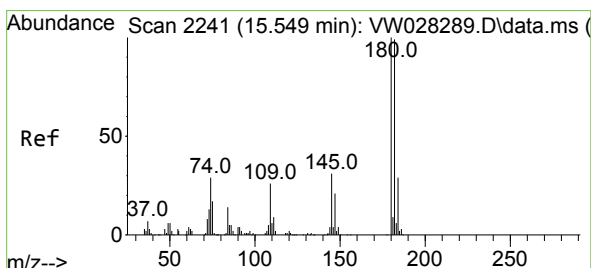
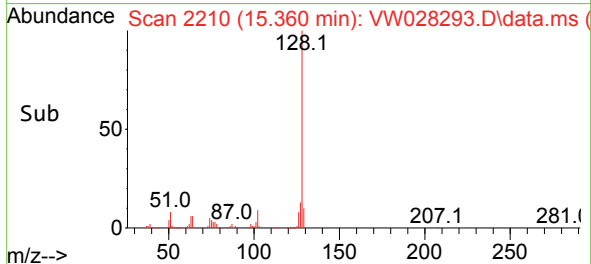
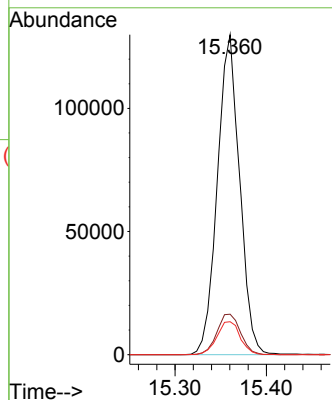
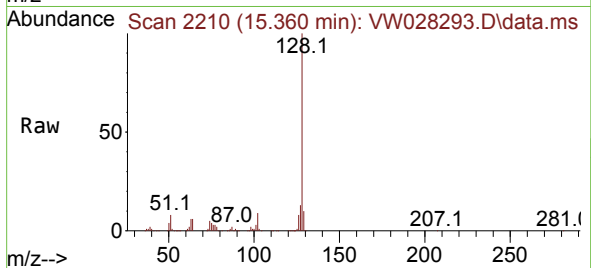
Tgt Ion:128 Resp: 220042

Ion Ratio Lower Upper

128 100

127 13.4 10.9 16.3

129 10.8 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 18.968 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW028293.D

Acq: 03 Apr 2024 15:10

Tgt Ion:180 Resp: 70326

Ion Ratio Lower Upper

180 100

182 94.4 76.0 114.0

145 33.8 27.1 40.7

