

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW050124\  
 Data File : VW028557.D  
 Acq On : 01 May 2024 11:25  
 Operator : SY/MD  
 Sample : P2321-03MSD  
 Misc : 5.74g/10mL/MSVOA\_W/SOIL/B  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E0Y32MSD

Quant Time: May 02 02:20:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu May 02 02:18:04 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 409257   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 307237   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 95582    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 110688   | 16.870   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 67.480%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 107704   | 21.659   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 86.640%   |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 53345    | 19.200   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 76.800%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 58968    | 48.030   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.060%   |
| 24) Chloroform-d              | 7.654  | 84    | 267384   | 25.038   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 100.160%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 137626   | 24.798   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.200%   |
| 32) Benzene-d6                | 8.276  | 84    | 473269   | 28.197   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 112.800%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 150767   | 30.220   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 120.880%# |
| 41) Toluene-d8                | 10.325 | 98    | 388763   | 25.472   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 101.880%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 45908    | 23.142   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 92.560%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 38743    | 56.062   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.120%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 98504    | 27.984   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 111.920%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 72382    | 23.945   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 95.800%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 131624   | 23.912   | ug/L   | 100       |
| 3) Chloromethane              | 2.228  | 50    | 169214   | 26.183   | ug/L   | 96        |
| 5) Vinyl chloride             | 2.375  | 62    | 178364   | 23.175   | ug/L   | 100       |
| 6) Bromomethane               | 2.789  | 94    | 102094   | 21.232   | ug/L   | 95        |
| 8) Chloroethane               | 2.936  | 64    | 116509   | 25.112   | ug/L   | 99        |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 184020   | 29.972   | ug/L   | 98        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 135440   | 23.448   | ug/L   | 94        |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 131670   | 24.277   | ug/L   | 81        |
| 13) Acetone                   | 4.124  | 43    | 142199   | 94.328   | ug/L   | 97        |
| 14) Carbon disulfide          | 4.393  | 76    | 315456   | 17.667   | ug/L   | 99        |
| 15) Methyl Acetate            | 4.673  | 43    | 52575    | 21.675   | ug/L   | 99        |
| 16) Methylene chloride        | 4.923  | 84    | 148739   | 24.018   | ug/L   | 99        |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 130173   | 22.785   | ug/L   | 97        |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 222883   | 27.734   | ug/L   | 97        |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 297107   | 26.692   | ug/L   | 98        |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 147967   | 24.403   | ug/L   | 97        |
| 22) 2-Butanone                | 7.173  | 43    | 113012   | 61.773   | ug/L   | 95        |
| 23) Bromochloromethane        | 7.520  | 128   | 65138    | 24.940   | ug/L   | 91        |
| 25) Chloroform                | 7.679  | 83    | 289108   | 26.440   | ug/L   | 96        |

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 Quant Title : SFAM01.0  
 QLast Update : Thu May 02 02:18:04 2024  
 Response via : Initial Calibration

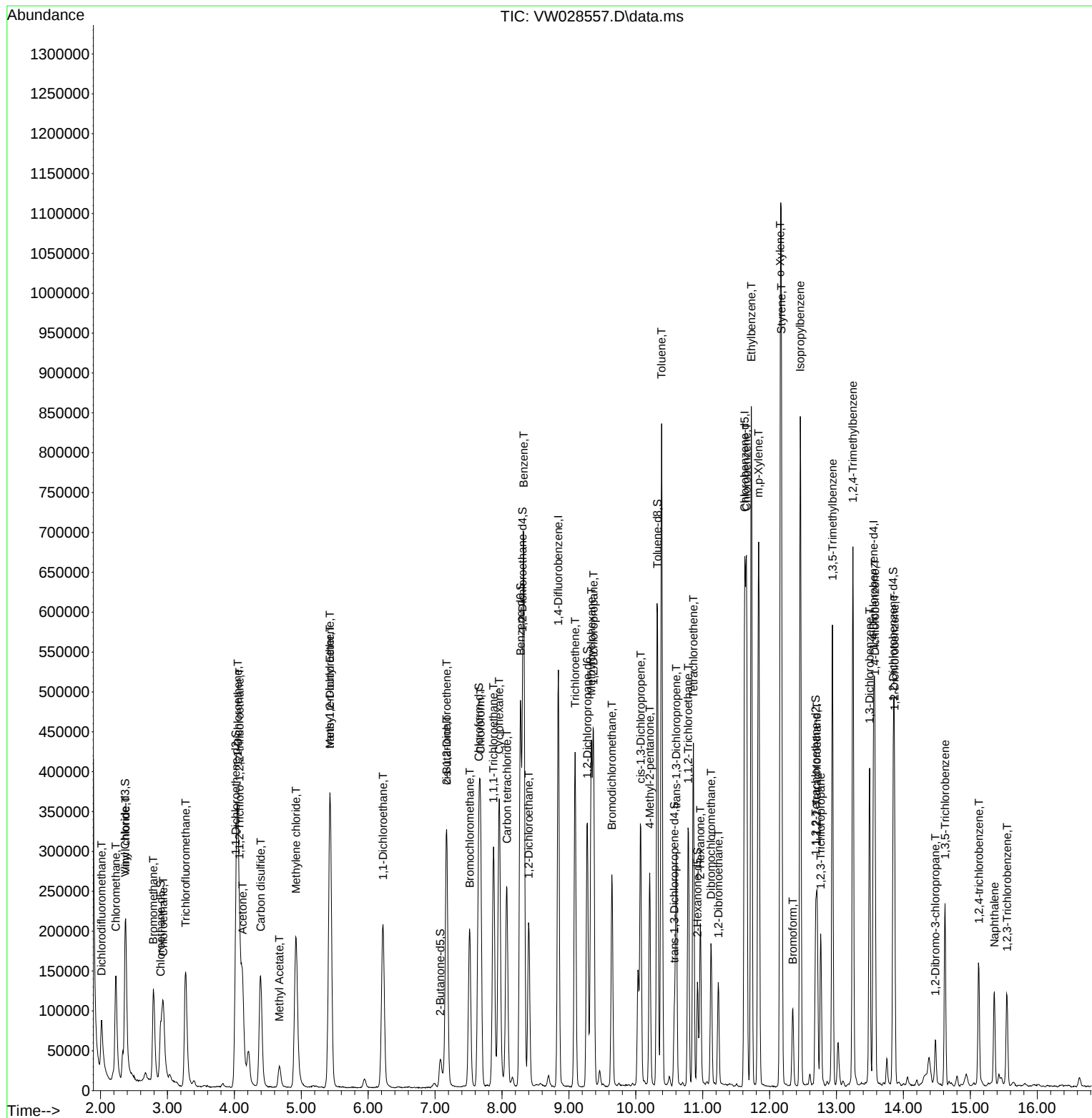
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 188339   | 24.956 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 210383   | 25.924 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 236122   | 31.689 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 190560   | 28.840 | ug/L  | 96       |
| 33) Benzene                   | 8.325  | 78   | 589420   | 30.684 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 142334   | 27.341 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.337  | 83   | 158944   | 17.892 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 155821   | 31.123 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 173522   | 27.961 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 181784   | 24.759 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 177987   | 71.015 | ug/L  | 99       |
| 42) Toluene                   | 10.385 | 91   | 567640   | 27.893 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 149057   | 25.096 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 97324    | 28.733 | ug/L  | 93       |
| 46) Tetrachloroethene         | 10.861 | 164  | 89192    | 22.937 | ug/L  | 91       |
| 48) 2-Hexanone                | 10.965 | 43   | 141191   | 70.970 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.123 | 129  | 88347    | 24.403 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 84048    | 27.186 | ug/L  | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 309064   | 24.433 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 573024   | 24.840 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.836 | 106  | 203444   | 23.715 | ug/L  | 99       |
| 54) o-Xylene                  | 12.160 | 106  | 201682   | 25.249 | ug/L  | 98       |
| 55) Styrene                   | 12.178 | 104  | 299147   | 22.004 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 99648    | 25.995 | ug/L  | 99       |
| 59) Bromoform                 | 12.349 | 173  | 40492    | 32.094 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 498055   | 34.758 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 76176    | 43.592 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 287304   | 31.457 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 350029   | 31.846 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 142691   | 23.468 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 146834   | 23.740 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 133413   | 24.945 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 13957    | 34.854 | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 63548    | 15.189 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 44599    | 13.650 | ug/L  | 94       |
| 71) Naphthalene               | 15.360 | 128  | 96650    | 16.714 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 35466    | 12.233 | ug/L  | 96       |

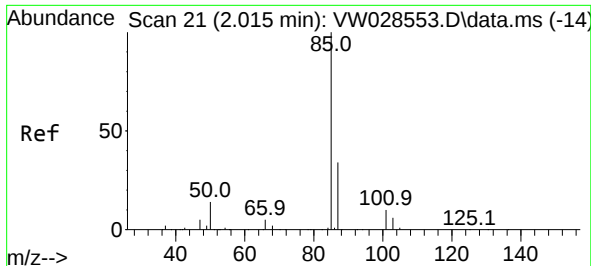
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Thu May 02 02:18:04 2024  
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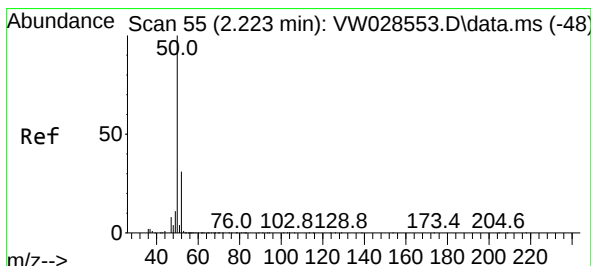
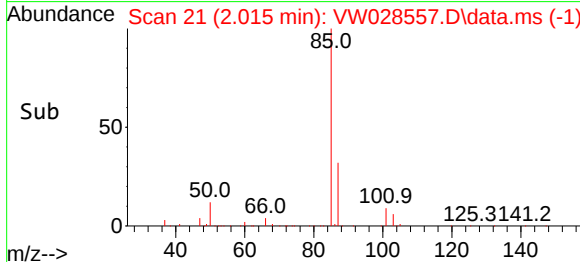
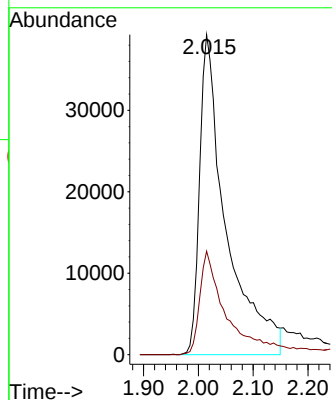
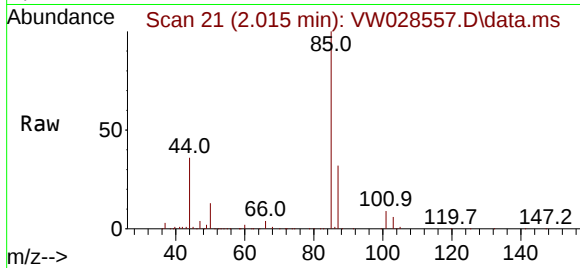




#2  
 Dichlorodifluoromethane  
 Concen: 23.912 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW028557.D  
 Acq: 01 May 2024 11:25

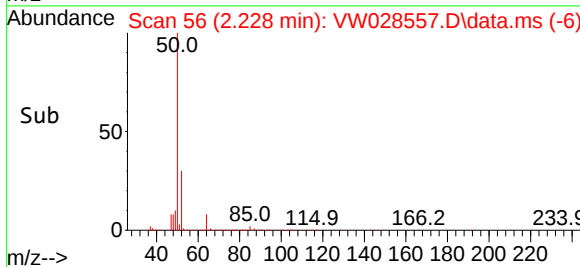
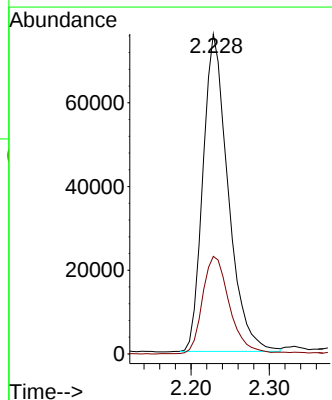
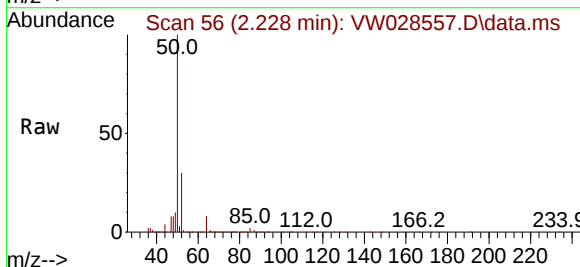
Instrument :  
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 ClientSampleId :  
 E0Y32MSD

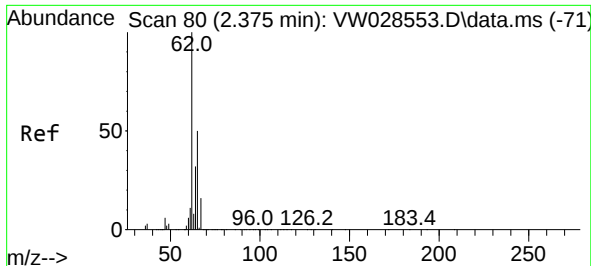
Tgt Ion: 85 Resp: 131624  
 Ion Ratio Lower Upper  
 85 100  
 87 29.3 23.4 35.0



#3  
 Chloromethane  
 Concen: 26.183 ug/L  
 RT: 2.228 min Scan# 56  
 Delta R.T. 0.006 min  
 Lab File: VW028557.D  
 Acq: 01 May 2024 11:25

Tgt Ion: 50 Resp: 169214  
 Ion Ratio Lower Upper  
 50 100  
 52 30.5 23.0 42.6

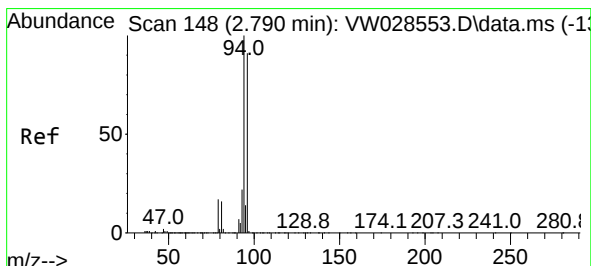
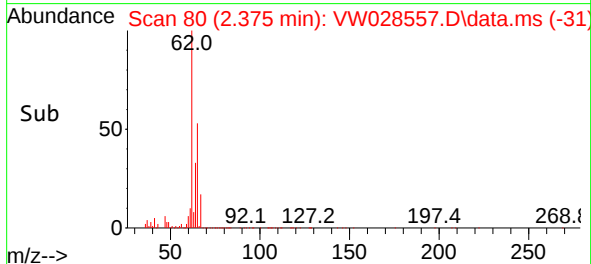
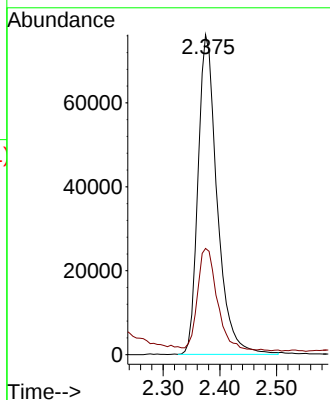
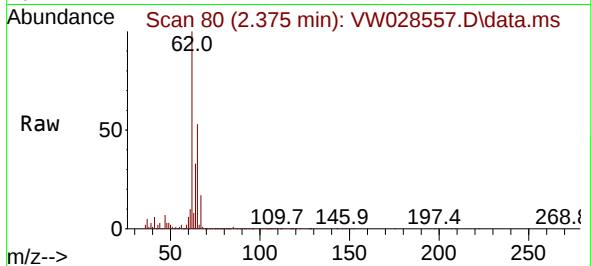




#5  
 Vinyl chloride  
 Concen: 23.175 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW028557.D  
 Acq: 01 May 2024 11:25

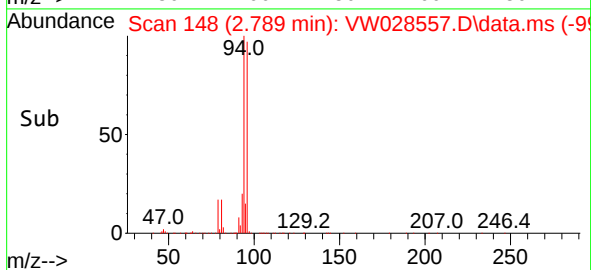
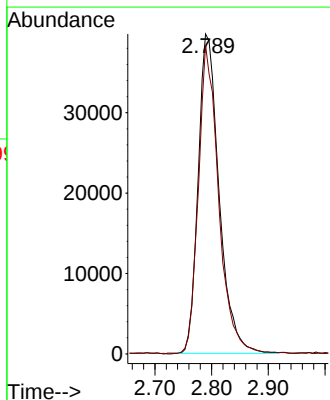
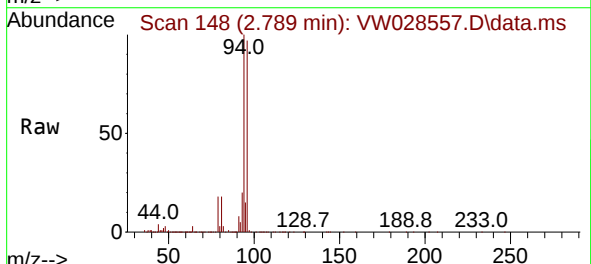
Instrument :  
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 ClientSampleId :  
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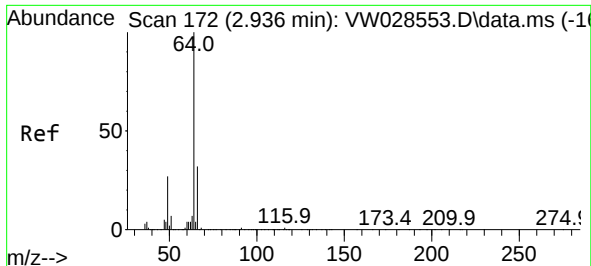
Tgt Ion: 62 Resp: 178364  
 Ion Ratio Lower Upper  
 62 100  
 64 33.2 23.1 42.9



#6  
 Bromomethane  
 Concen: 21.232 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VW028557.D  
 Acq: 01 May 2024 11:25

Tgt Ion: 94 Resp: 102094  
 Ion Ratio Lower Upper  
 94 100  
 96 96.5 64.3 119.5

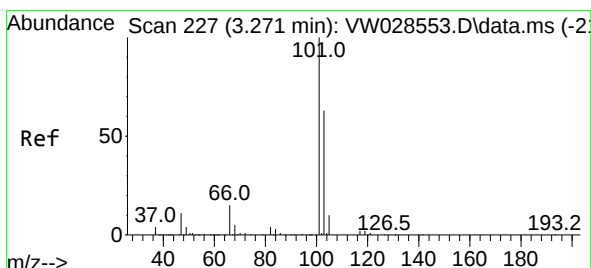
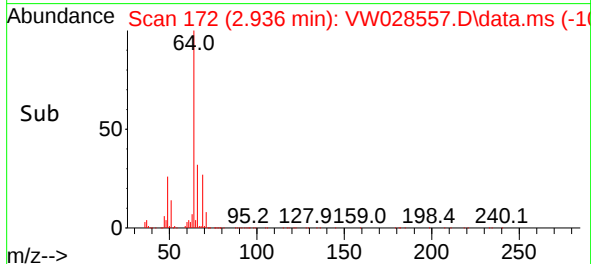
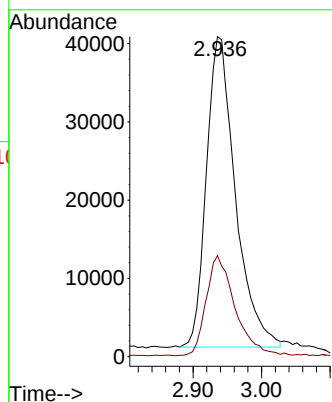
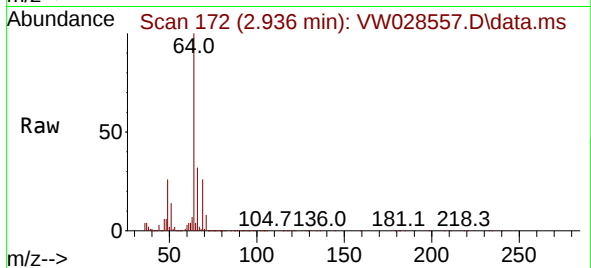




#8  
Chloroethane  
Concen: 25.112 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

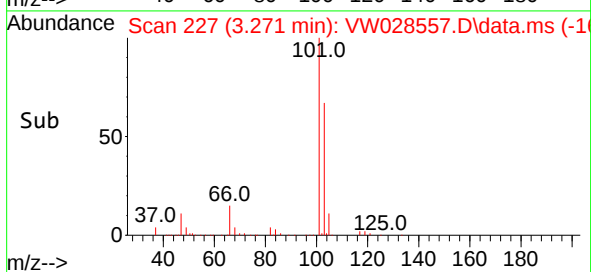
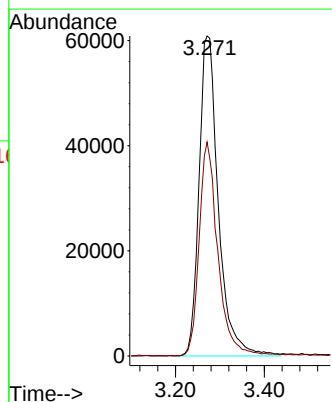
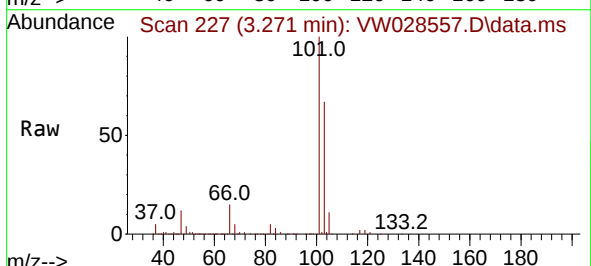
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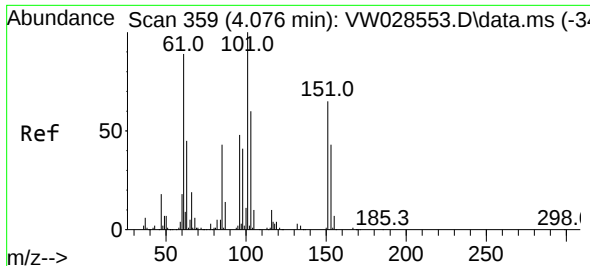
Tgt Ion: 64 Resp: 116509  
Ion Ratio Lower Upper  
64 100  
66 31.6 21.7 40.3



#9  
Trichlorofluoromethane  
Concen: 29.972 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion: 101 Resp: 184020  
Ion Ratio Lower Upper  
101 100  
103 63.8 52.0 78.0

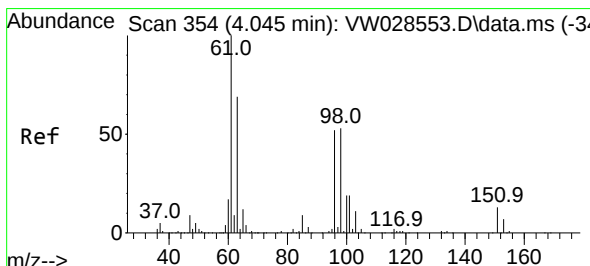
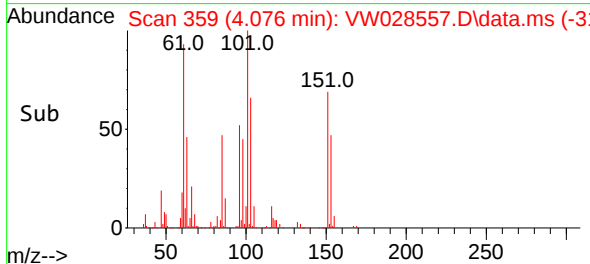
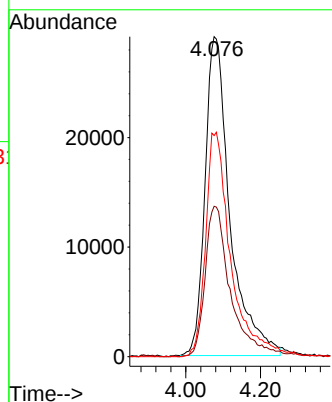
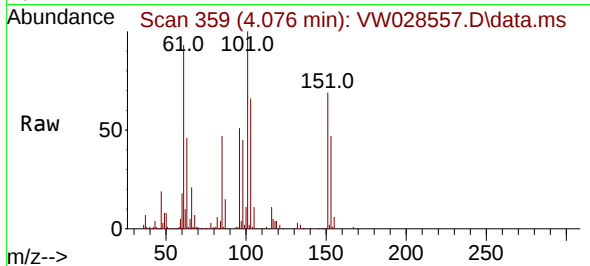




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 23.448 ug/L  
 RT: 4.076 min Scan# 359  
 Delta R.T. -0.000 min  
 Lab File: VW028557.D  
 Acq: 01 May 2024 11:25

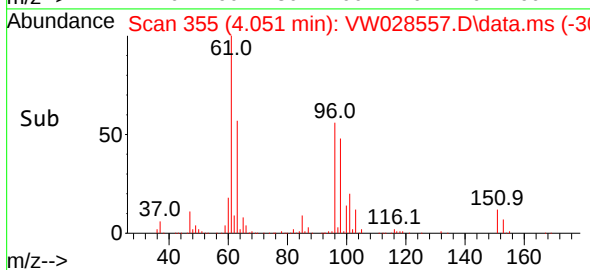
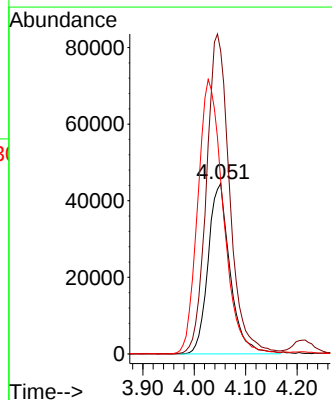
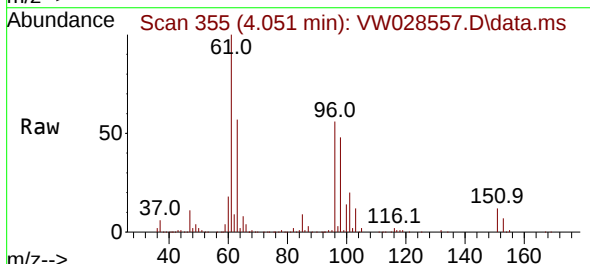
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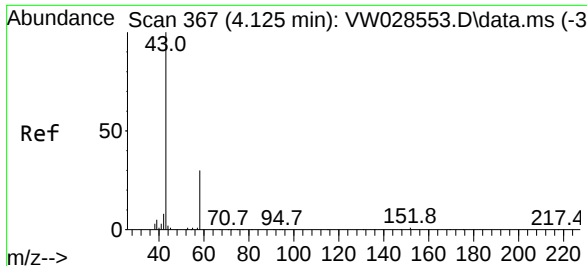
Tgt Ion:101 Resp: 135440  
 Ion Ratio Lower Upper  
 101 100  
 85 46.0 34.5 51.7  
 151 65.6 57.5 86.3



#12  
 1,1-Dichloroethene  
 Concen: 24.277 ug/L  
 RT: 4.051 min Scan# 355  
 Delta R.T. 0.006 min  
 Lab File: VW028557.D  
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Tgt Ion: 96 Resp: 131670  
 Ion Ratio Lower Upper  
 96 100  
 61 177.7 130.5 242.5  
 63 101.9 101.5 188.5

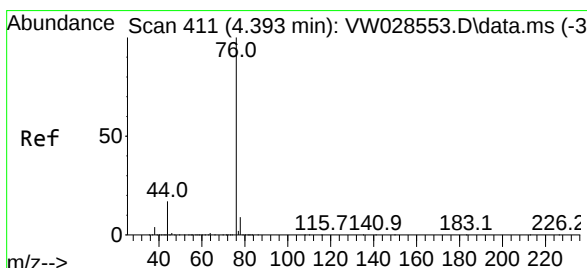
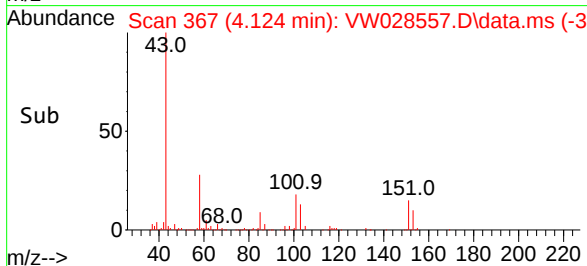
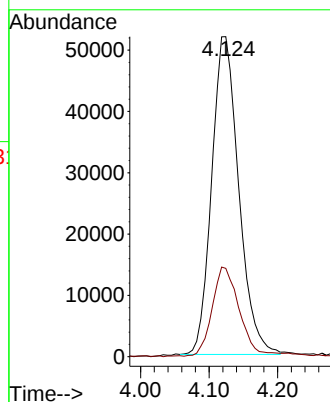
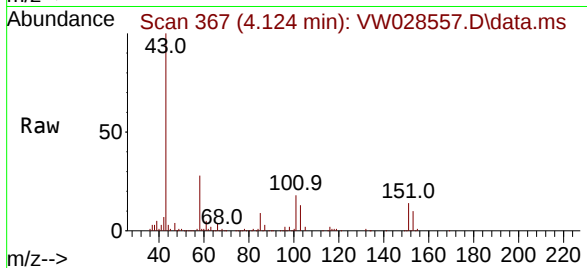




#13  
Acetone  
Concen: 94.328 ug/L  
RT: 4.124 min Scan# 367  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

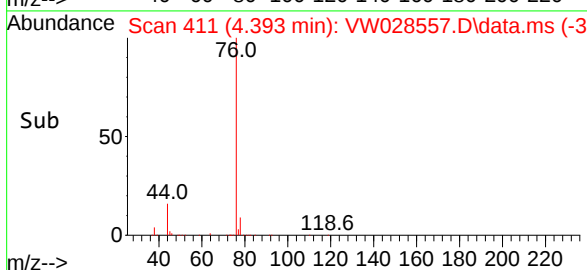
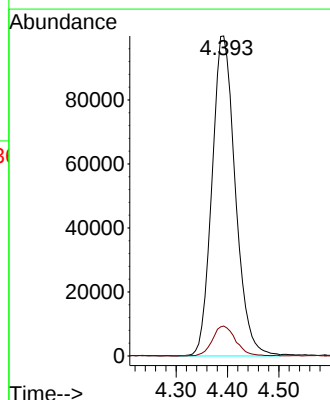
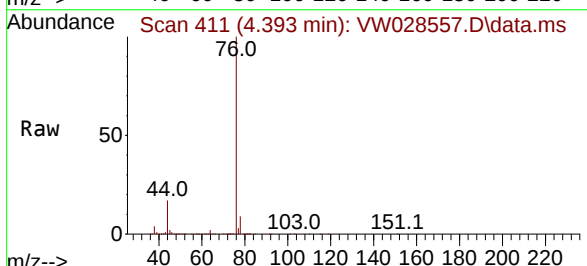
Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

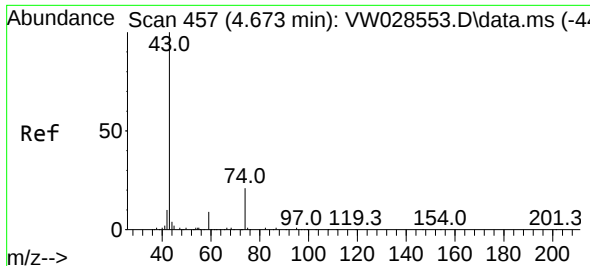
Tgt Ion: 43 Resp: 142199  
Ion Ratio Lower Upper  
43 100  
58 28.1 0.0 53.4



#14  
Carbon disulfide  
Concen: 17.667 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion: 76 Resp: 315456  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.3 10.9

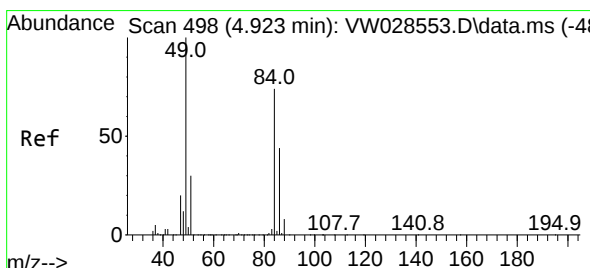
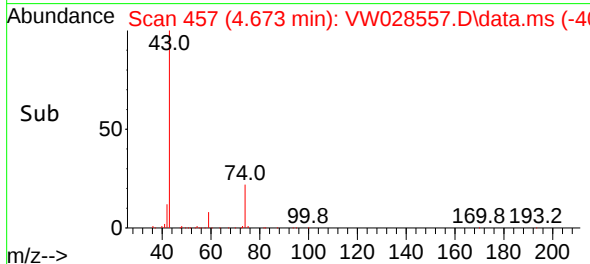
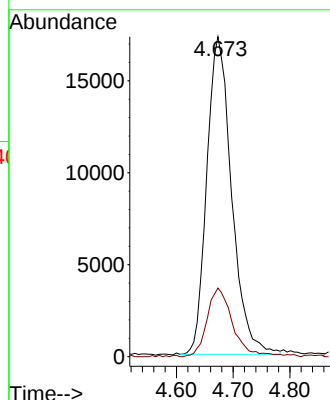
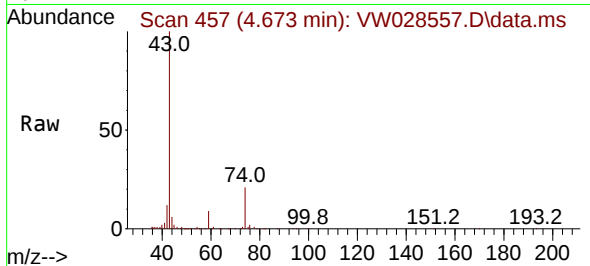




#15  
Methyl Acetate  
Concen: 21.675 ug/L  
RT: 4.673 min Scan# 457  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

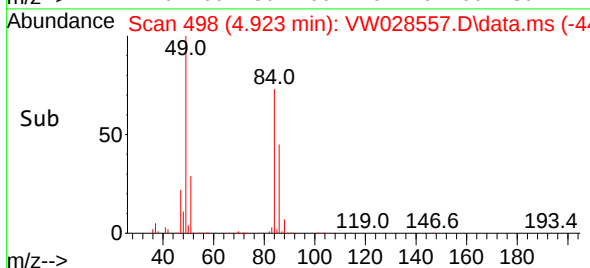
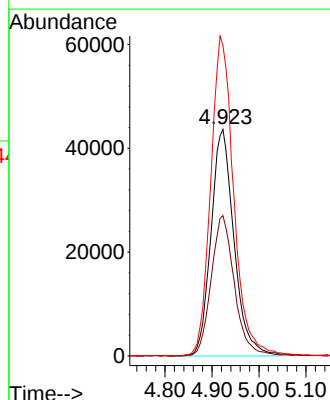
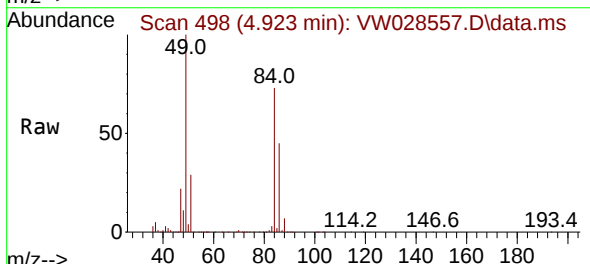
Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

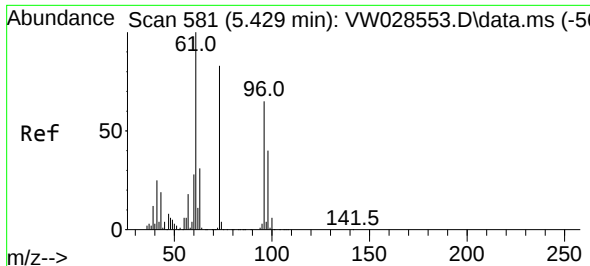
Tgt Ion: 43 Resp: 52575  
Ion Ratio Lower Upper  
43 100  
74 21.3 17.4 26.0



#16  
Methylene chloride  
Concen: 24.018 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion: 84 Resp: 148739  
Ion Ratio Lower Upper  
84 100  
86 61.9 44.2 82.0  
49 137.0 95.0 176.4

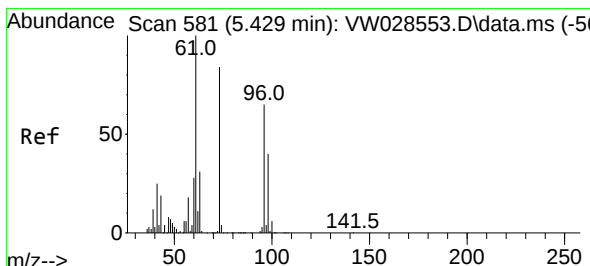
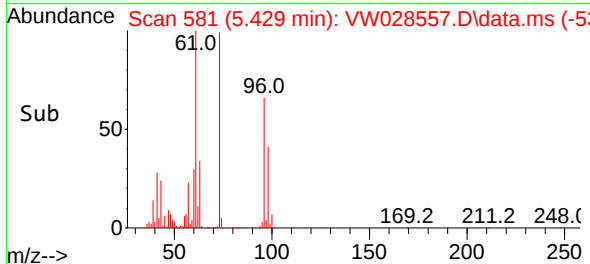
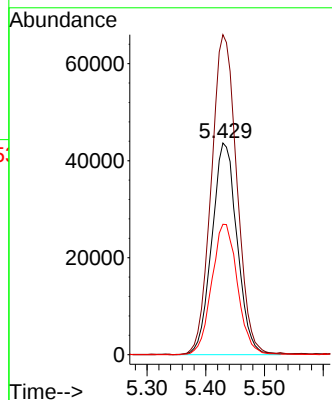
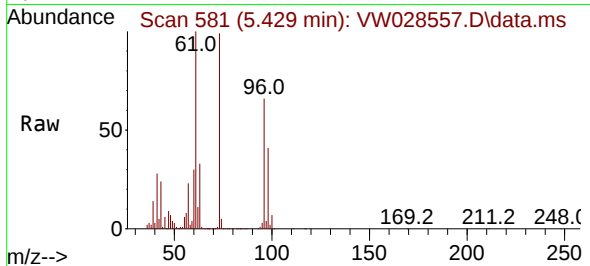




#17  
trans-1,2-Dichloroethene  
Concen: 22.785 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

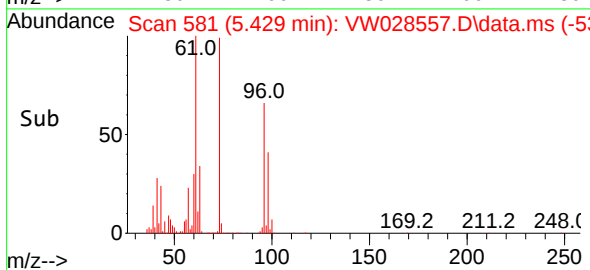
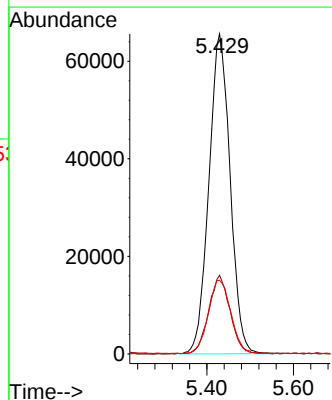
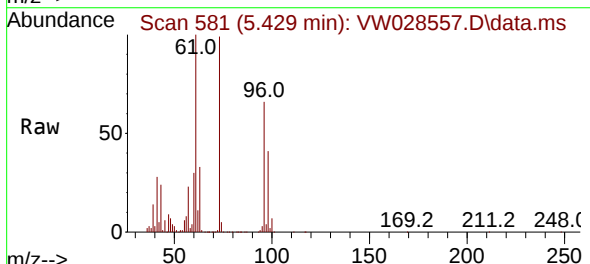
Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

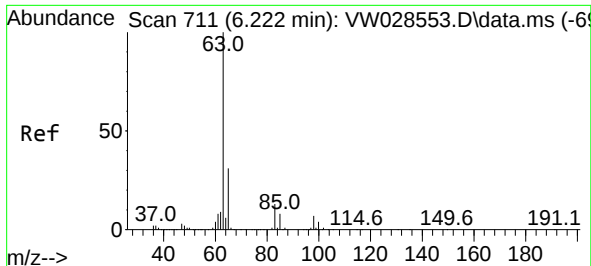
Tgt Ion: 96 Resp: 130173  
Ion Ratio Lower Upper  
96 100  
61 151.1 108.4 201.4  
98 61.6 45.6 84.8



#18  
Methyl tert-butyl Ether  
Concen: 27.734 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion: 73 Resp: 222883  
Ion Ratio Lower Upper  
73 100  
43 24.4 18.5 27.7  
57 24.7 18.2 27.4





#19

1,1-Dichloroethane

Concen: 26.692 ug/L

RT: 6.222 min Scan# 711

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

Instrument :

MSVOA\_W

ClientSampleId :

E0Y32MSD

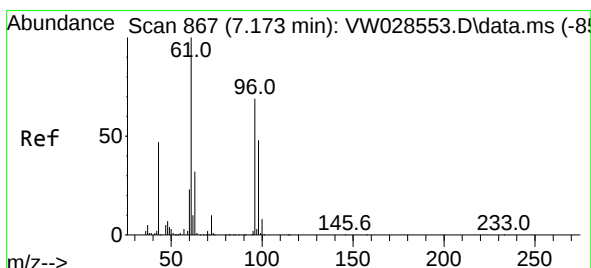
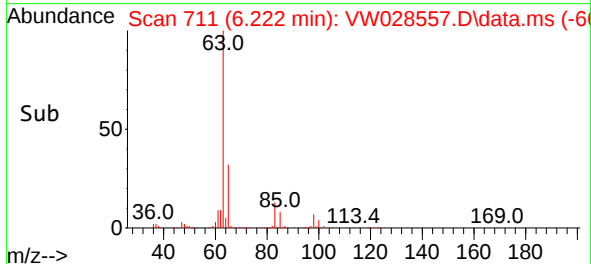
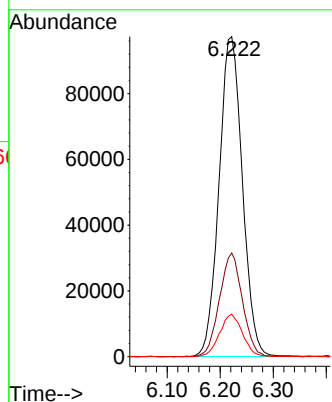
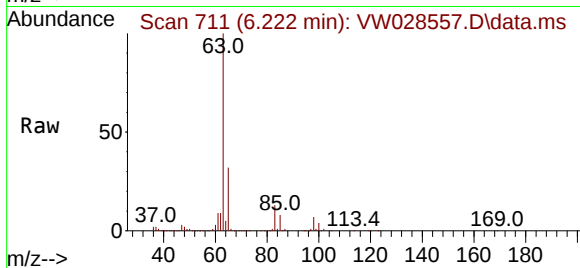
Tgt Ion: 63 Resp: 297107

Ion Ratio Lower Upper

63 100

65 32.4 21.8 40.4

83 13.3 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 24.403 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

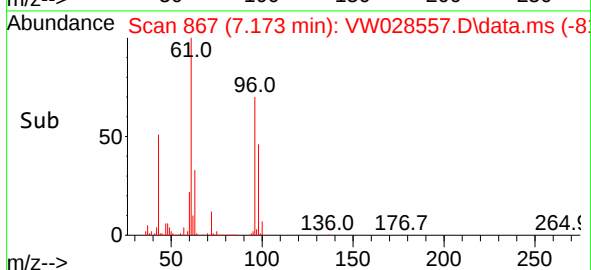
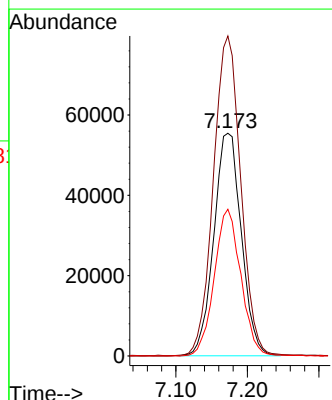
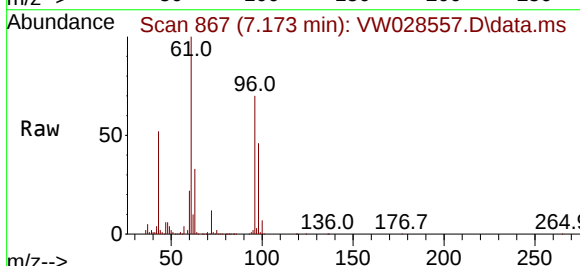
Tgt Ion: 96 Resp: 147967

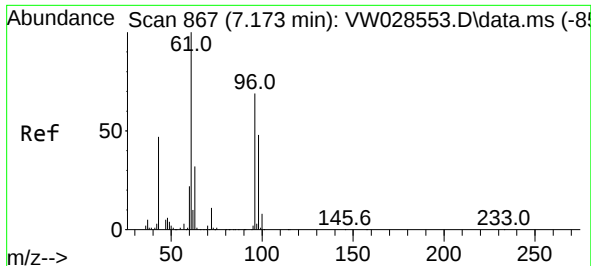
Ion Ratio Lower Upper

96 100

61 143.6 97.6 181.2

98 65.9 47.7 88.5

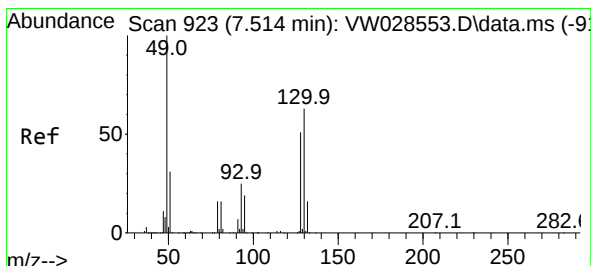
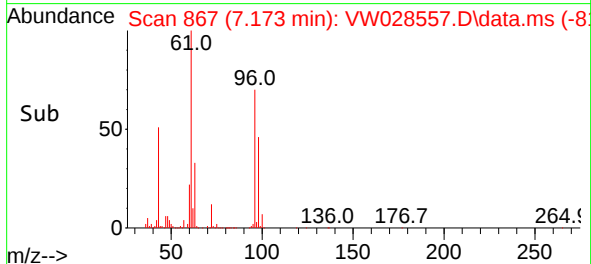
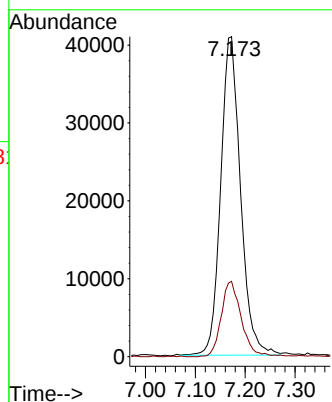
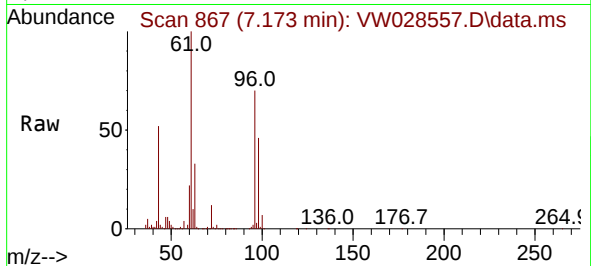




#22  
2-Butanone  
Concen: 61.773 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

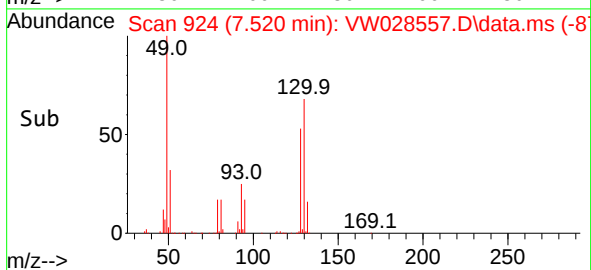
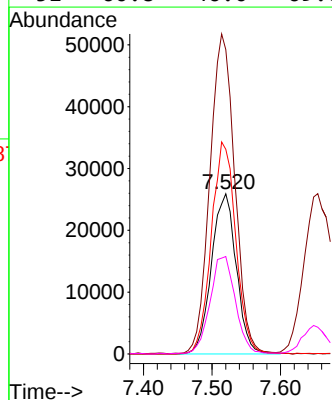
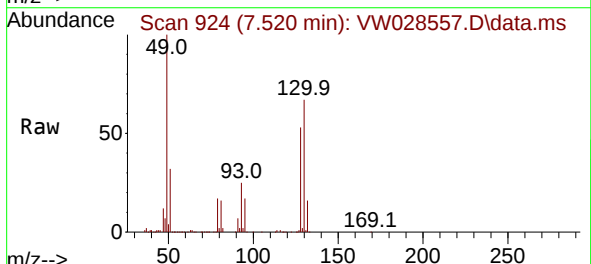
Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

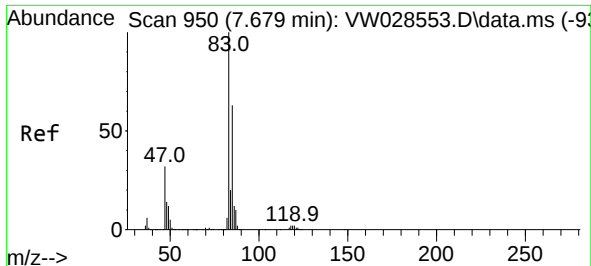
Tgt Ion: 43 Resp: 113012  
Ion Ratio Lower Upper  
43 100  
72 23.1 12.8 38.4



#23  
Bromochloromethane  
Concen: 24.940 ug/L  
RT: 7.520 min Scan# 924  
Delta R.T. 0.006 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion: 128 Resp: 65138  
Ion Ratio Lower Upper  
128 100  
49 189.9 127.1 236.0  
130 127.7 78.3 145.5  
51 60.8 46.0 69.0

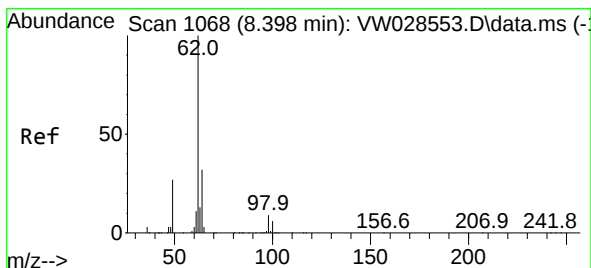
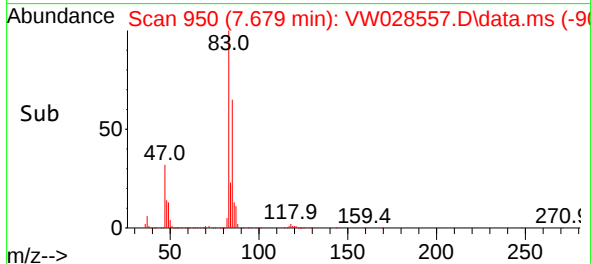
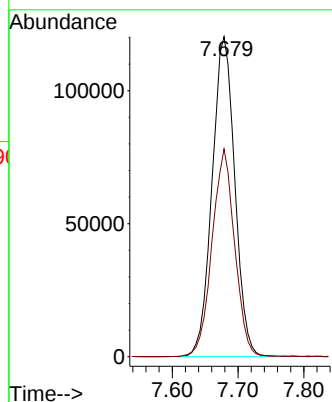
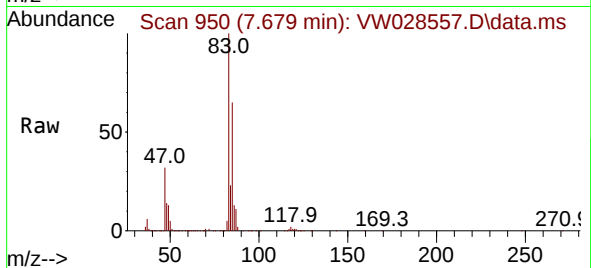




#25  
Chloroform  
Concen: 26.440 ug/L  
RT: 7.679 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

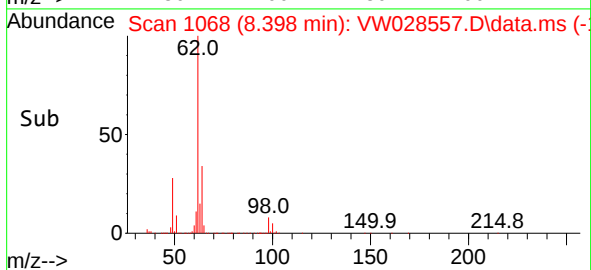
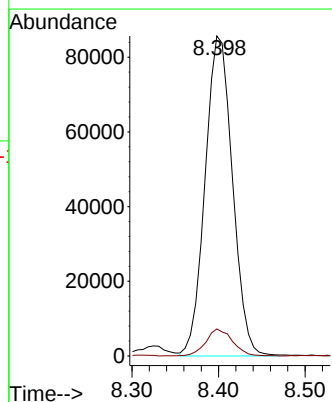
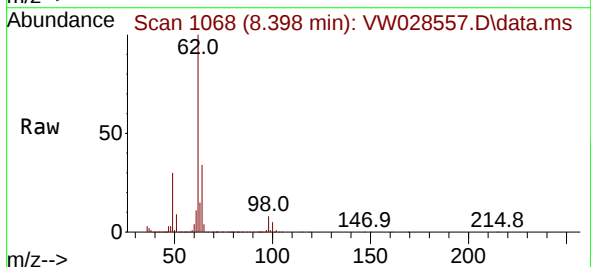
Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

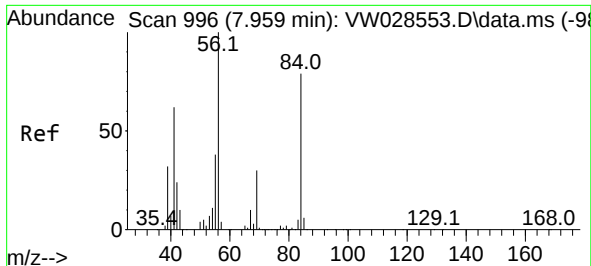
Tgt Ion: 83 Resp: 289108  
Ion Ratio Lower Upper  
83 100  
85 64.9 47.7 88.7



#27  
1,2-Dichloroethane  
Concen: 24.956 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion: 62 Resp: 188339  
Ion Ratio Lower Upper  
62 100  
98 8.5 6.6 10.0





#29

Cyclohexane

Concen: 25.924 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

Instrument :

MSVOA\_W

ClientSampleId :

E0Y32MSD

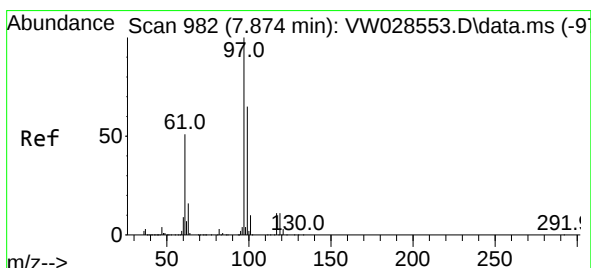
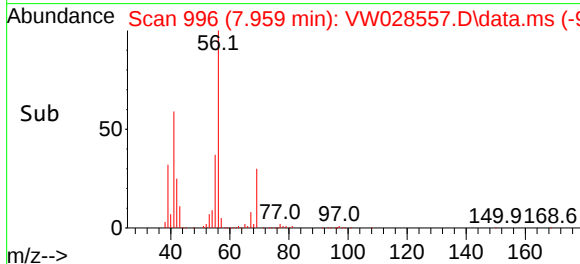
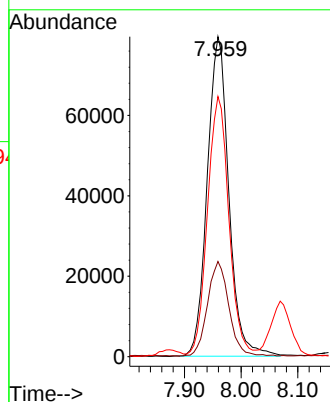
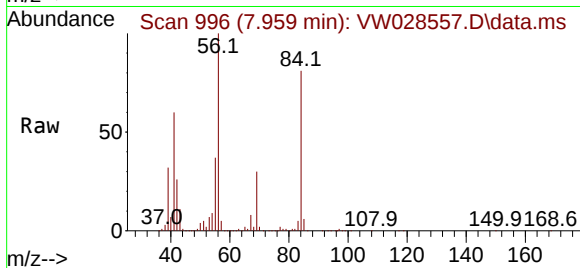
Tgt Ion: 56 Resp: 210383

Ion Ratio Lower Upper

56 100

69 28.9 23.8 35.6

84 80.7 65.9 98.9



#30

1,1,1-Trichloroethane

Concen: 31.689 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

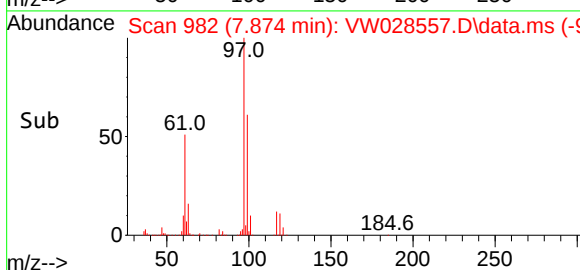
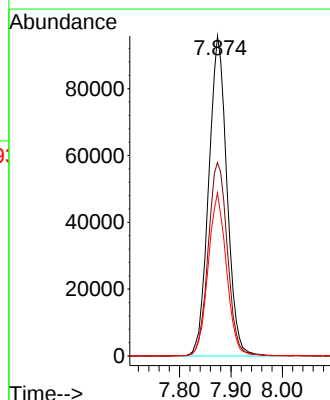
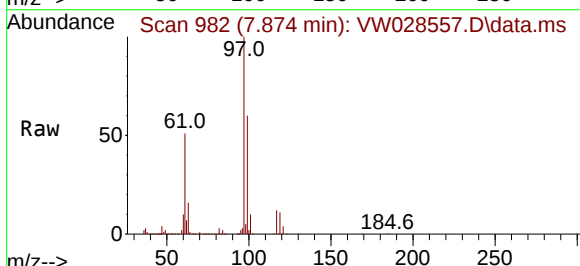
Tgt Ion: 97 Resp: 236122

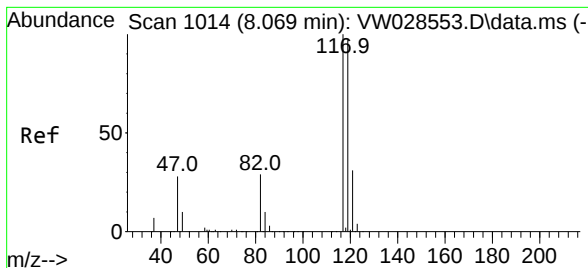
Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.2

61 51.3 40.5 60.7





#31

Carbon tetrachloride

Concen: 28.840 ug/L

RT: 8.075 min Scan# 1015

Delta R.T. 0.006 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

Instrument :

MSVOA\_W

ClientSampleId :

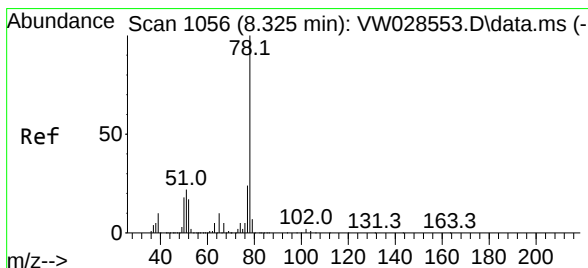
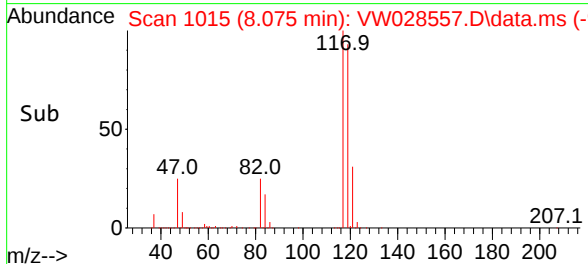
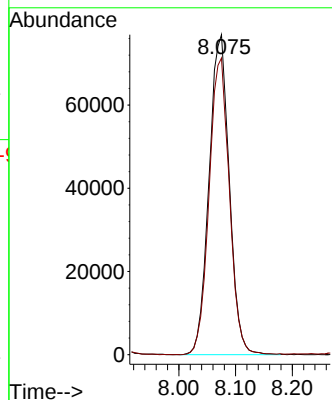
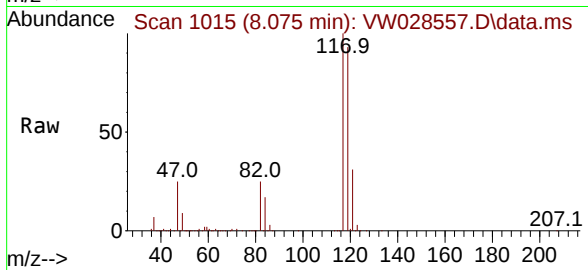
E0Y32MSD

Tgt Ion:117 Resp: 190560

Ion Ratio Lower Upper

117 100

119 93.0 77.4 116.2



#33

Benzene

Concen: 30.684 ug/L

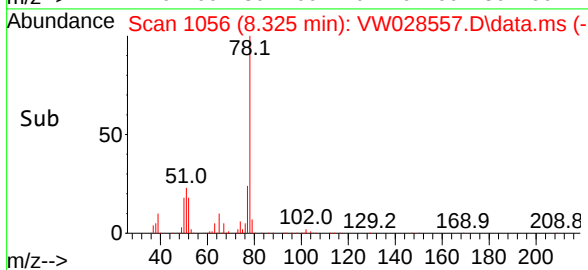
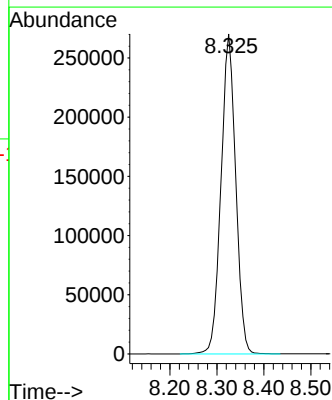
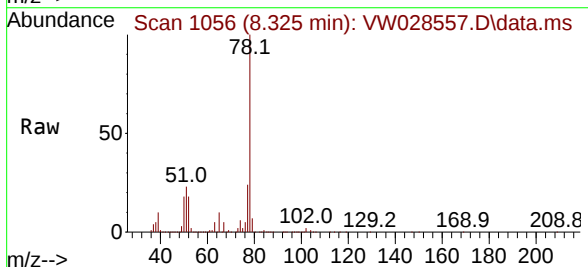
RT: 8.325 min Scan# 1056

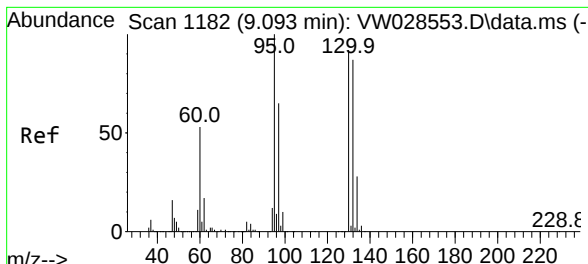
Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

Tgt Ion: 78 Resp: 589420



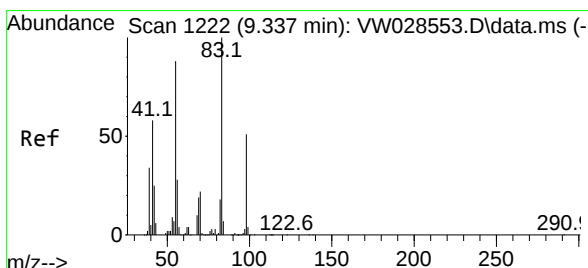
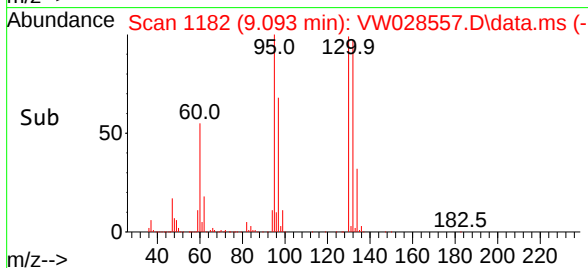
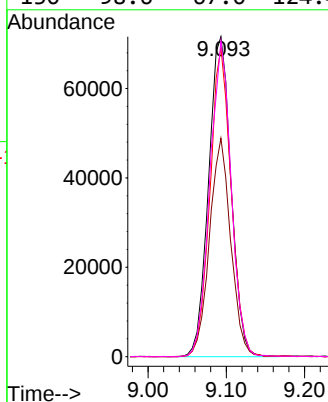
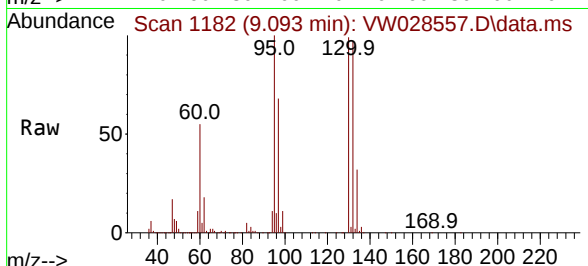


#34  
Trichloroethene  
Concen: 27.341 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

Tgt Ion: 95 Resp: 142334

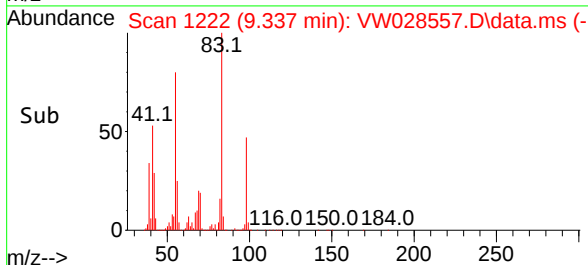
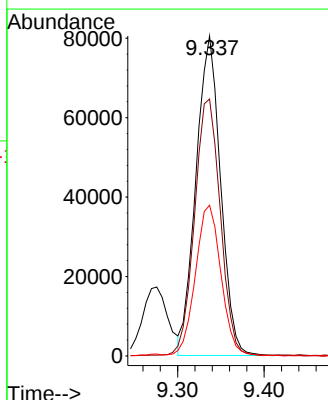
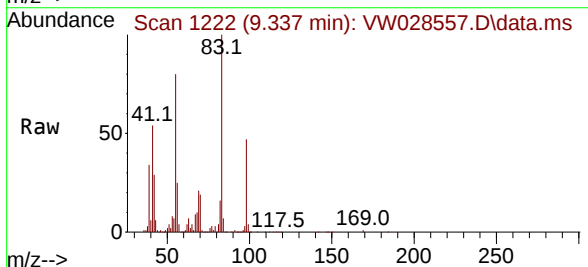
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 68.3  | 43.8  | 81.4  |
| 132 | 96.6  | 66.1  | 122.8 |
| 130 | 98.6  | 67.0  | 124.4 |

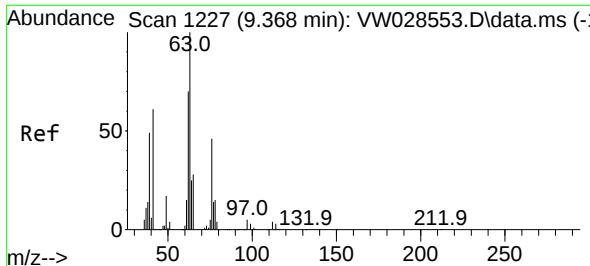


#35  
Methylcyclohexane  
Concen: 17.892 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion: 83 Resp: 158944

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 84.0  | 65.7  | 98.5  |
| 98  | 49.0  | 38.6  | 58.0  |





#37

1,2-Dichloropropane

Concen: 31.123 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

Instrument :

MSVOA\_W

ClientSampleId :

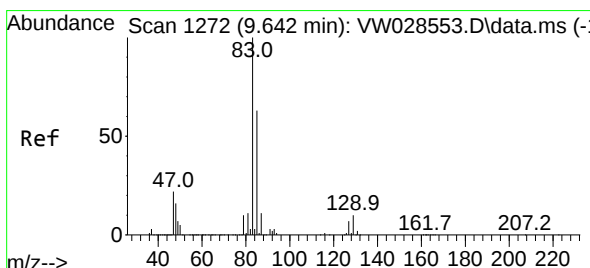
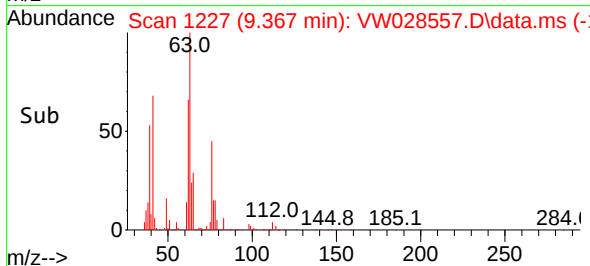
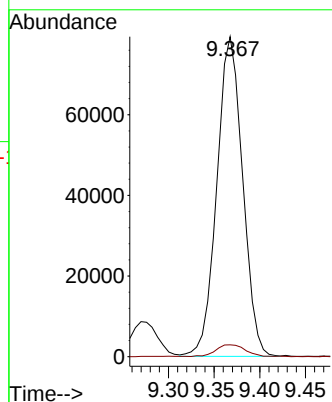
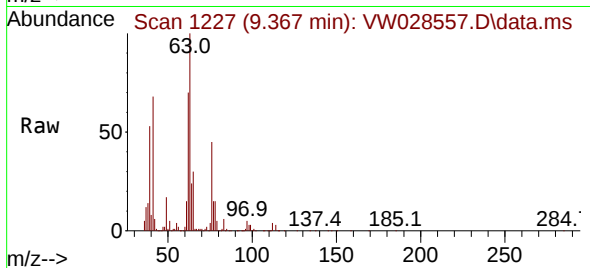
EOY32MSD

Tgt Ion: 63 Resp: 155821

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



#38

Bromodichloromethane

Concen: 27.961 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

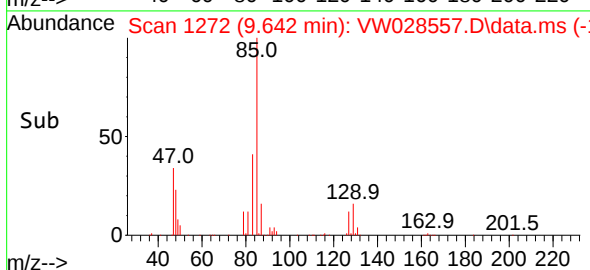
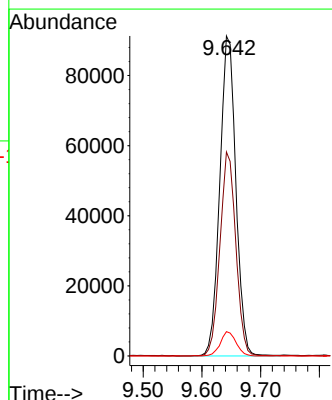
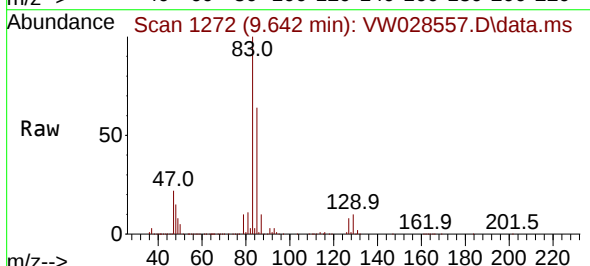
Tgt Ion: 83 Resp: 173522

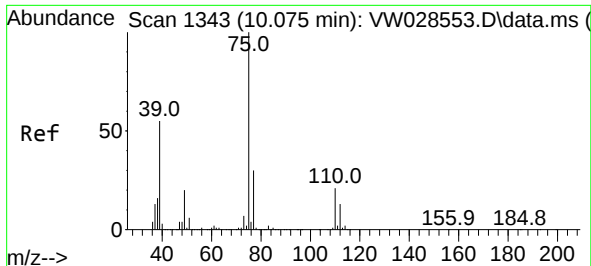
Ion Ratio Lower Upper

83 100

85 63.7 43.1 80.1

127 7.6 6.4 9.6

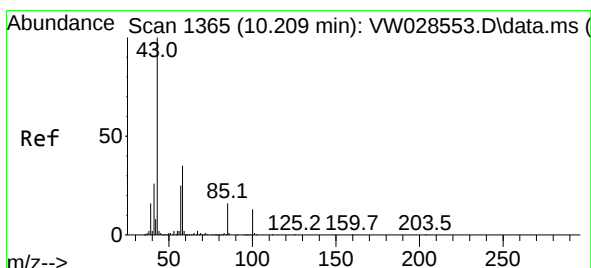
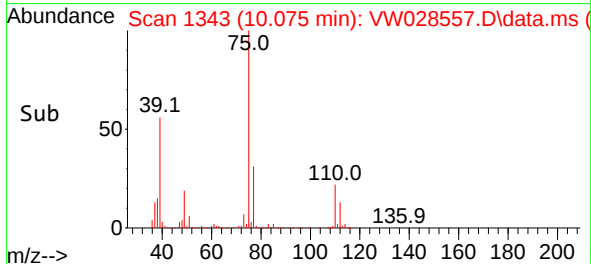
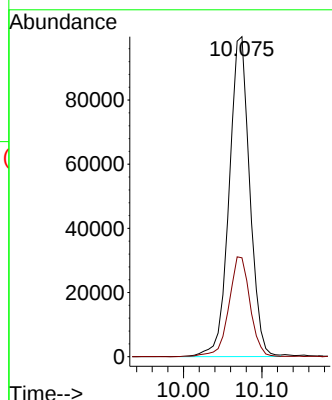
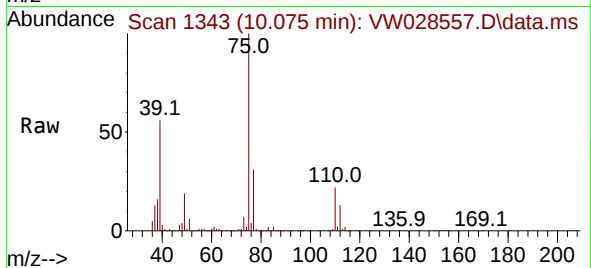




#39  
cis-1,3-Dichloropropene  
Concen: 24.759 ug/L  
RT: 10.075 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

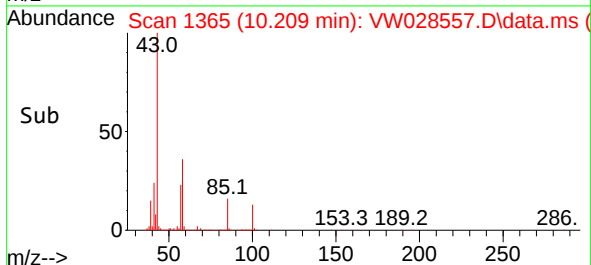
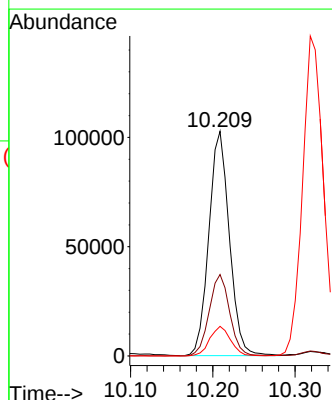
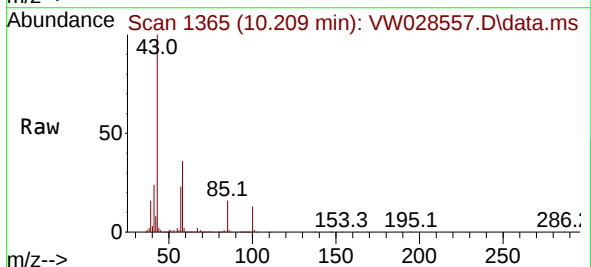
Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

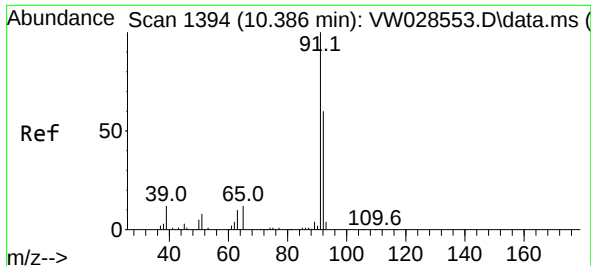
Tgt Ion: 75 Resp: 181784  
Ion Ratio Lower Upper  
75 100  
77 30.9 21.3 39.5



#40  
4-Methyl-2-pentanone  
Concen: 71.015 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion: 43 Resp: 177987  
Ion Ratio Lower Upper  
43 100  
58 36.3 28.6 43.0  
100 13.5 10.6 16.0

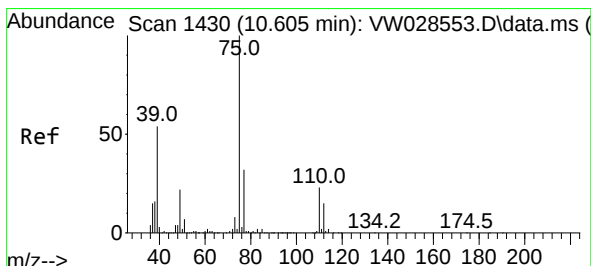
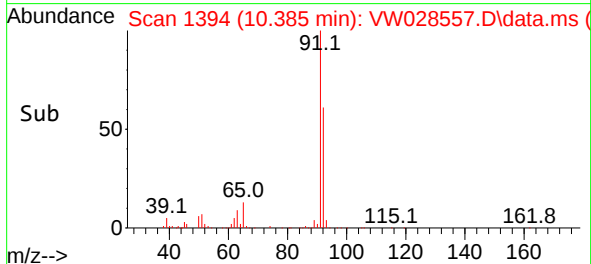
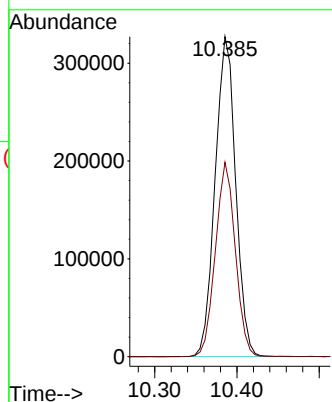
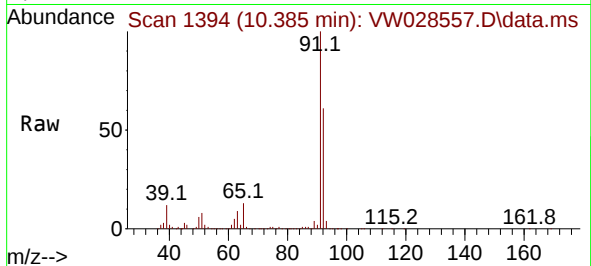




#42  
Toluene  
Concen: 27.893 ug/L  
RT: 10.385 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

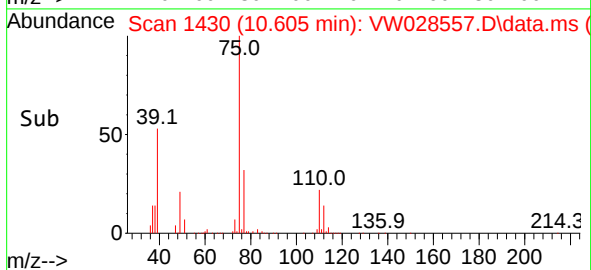
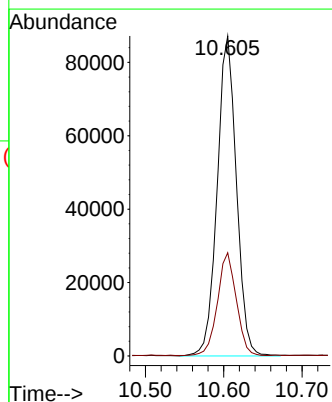
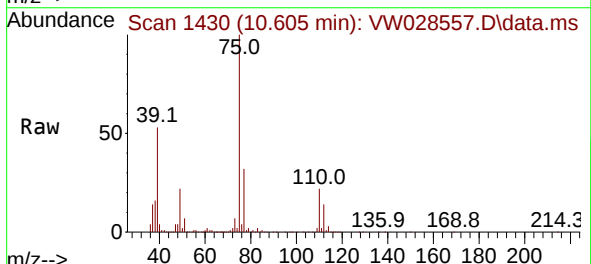
Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

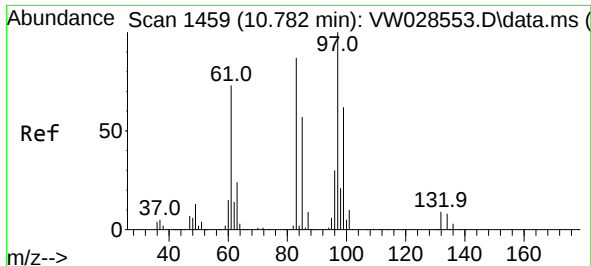
Tgt Ion: 91 Resp: 567640  
Ion Ratio Lower Upper  
91 100  
92 60.7 41.1 76.3



#44  
trans-1,3-Dichloropropene  
Concen: 25.096 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion: 75 Resp: 149057  
Ion Ratio Lower Upper  
75 100  
77 32.3 22.6 42.0

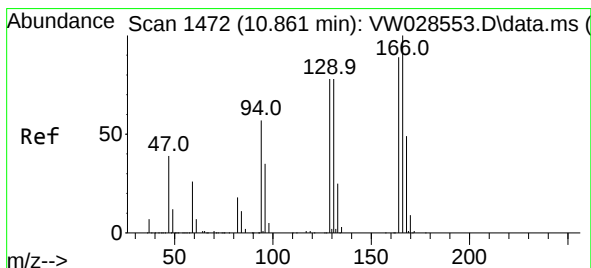
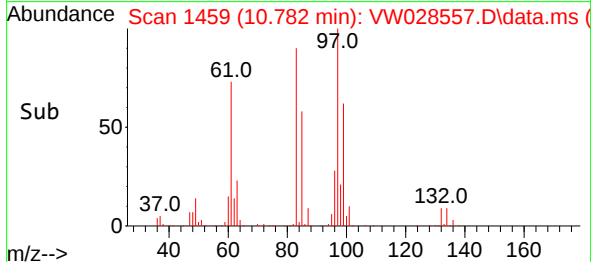
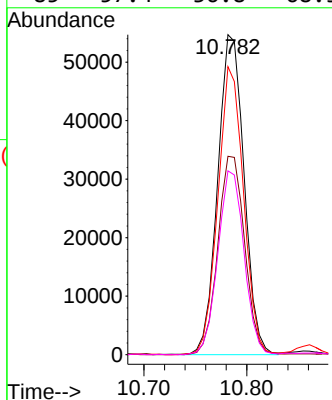
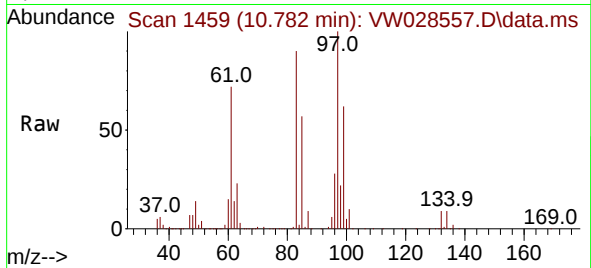




#45  
1,1,2-Trichloroethane  
Concen: 28.733 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

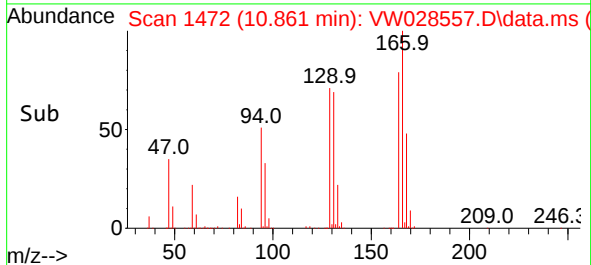
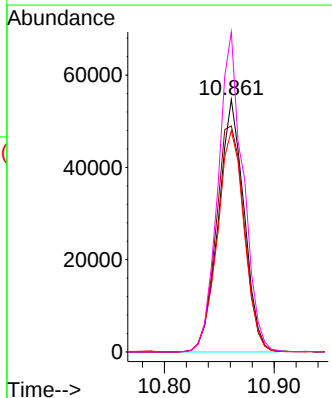
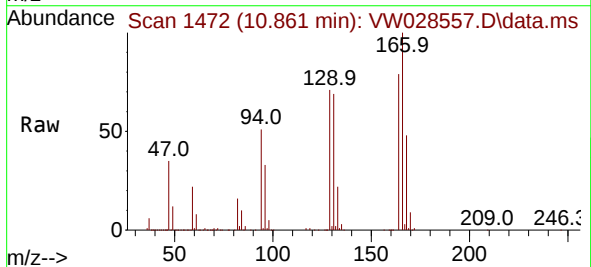
Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

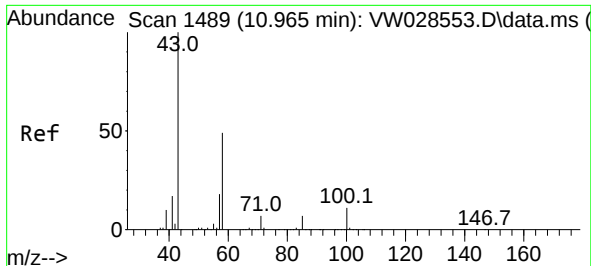
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 97324 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.0  | 44.2  | 82.2  |
| 83       | 90.0  | 56.4  | 104.7 |
| 85       | 57.4  | 36.8  | 68.3  |



#46  
Tetrachloroethene  
Concen: 22.937 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 89192 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 89.5  | 59.7  | 110.9 |
| 131      | 87.7  | 58.2  | 108.2 |
| 166      | 126.7 | 78.0  | 144.8 |



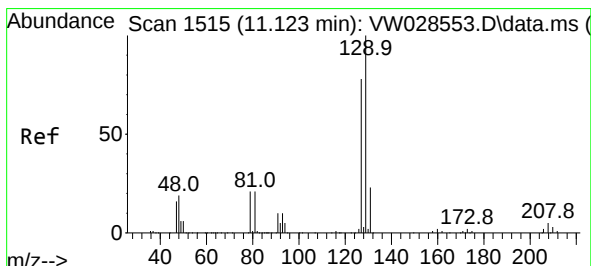
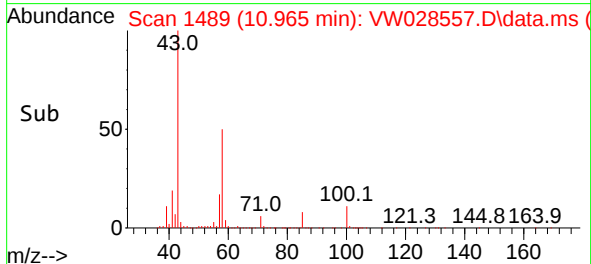
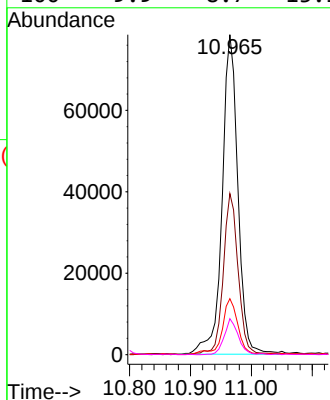
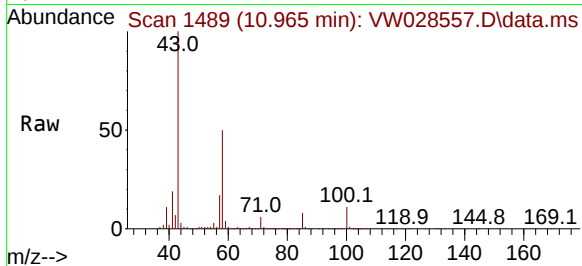


#48  
2-Hexanone  
Concen: 70.970 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

Tgt Ion: 43 Resp: 141191

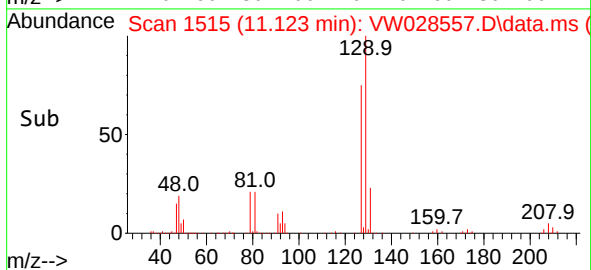
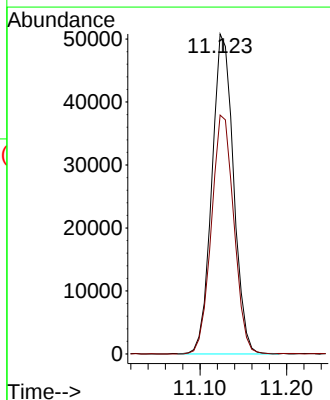
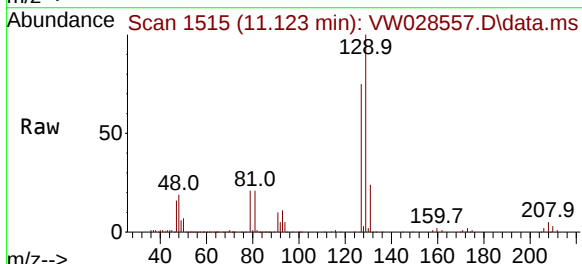
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 46.4  | 38.9  | 58.3  |
| 57  | 15.7  | 14.4  | 21.6  |
| 100 | 9.9   | 8.7   | 13.1  |

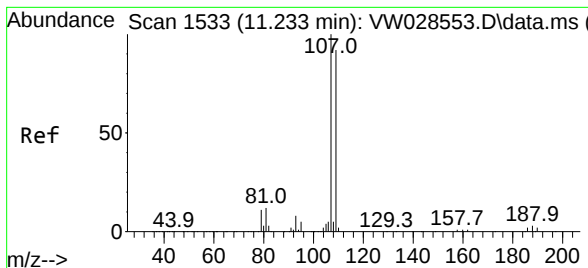


#49  
Dibromochloromethane  
Concen: 24.403 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion: 129 Resp: 88347

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 74.6  | 53.0  | 98.4  |

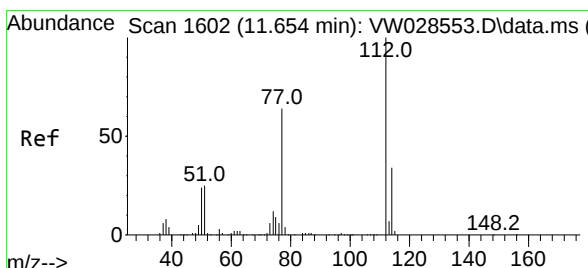
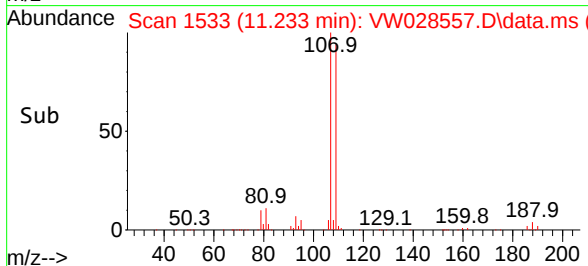
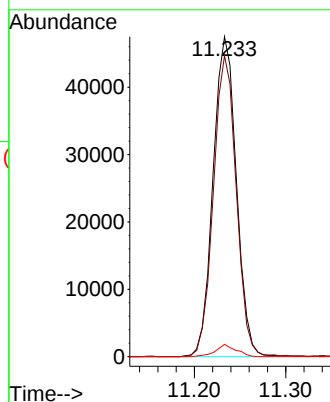
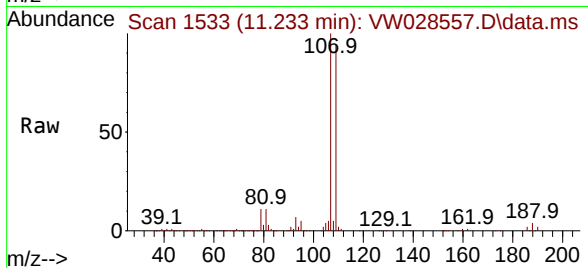




#50  
1,2-Dibromoethane  
Concen: 27.186 ug/L  
RT: 11.233 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

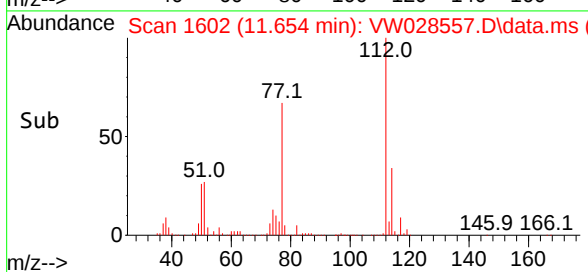
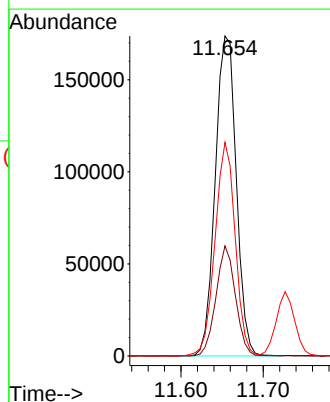
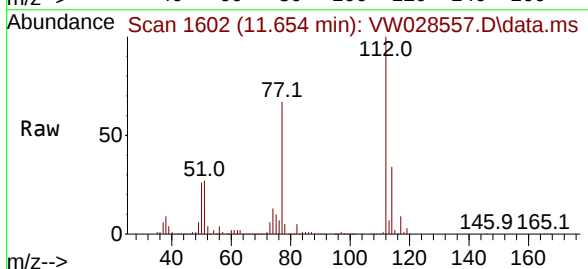
Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

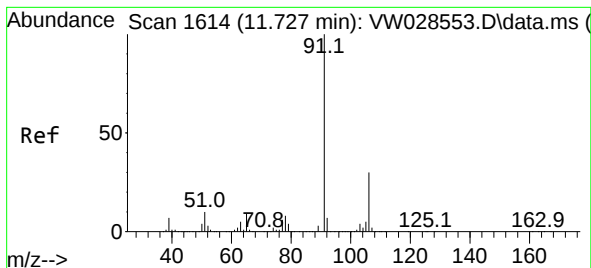
Tgt Ion:107 Resp: 84048  
Ion Ratio Lower Upper  
107 100  
109 94.1 62.1 115.3  
188 3.9 3.2 4.8



#51  
Chlorobenzene  
Concen: 24.433 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion:112 Resp: 309064  
Ion Ratio Lower Upper  
112 100  
114 34.4 22.3 41.3  
77 66.8 51.8 77.8

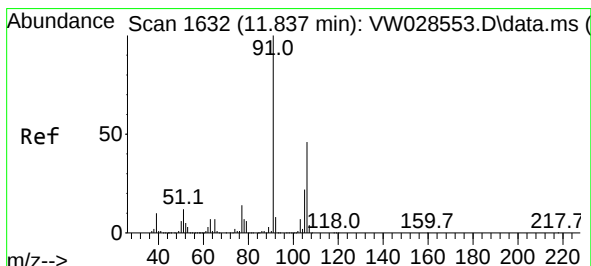
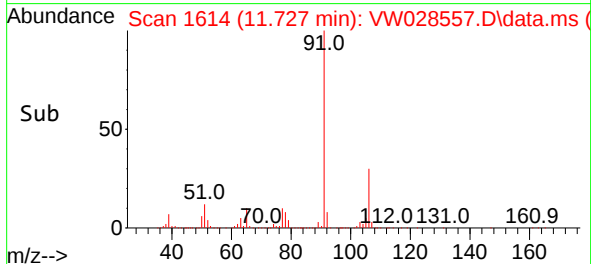
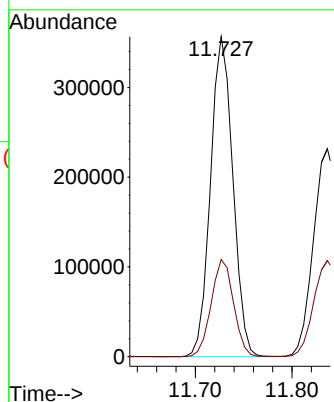
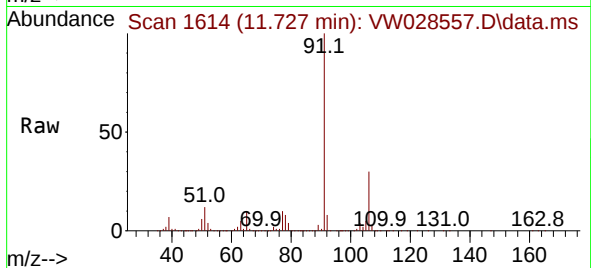




#52  
Ethylbenzene  
Concen: 24.840 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

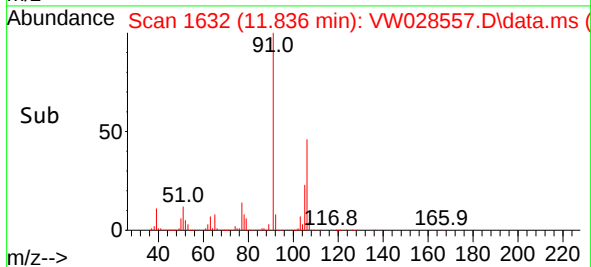
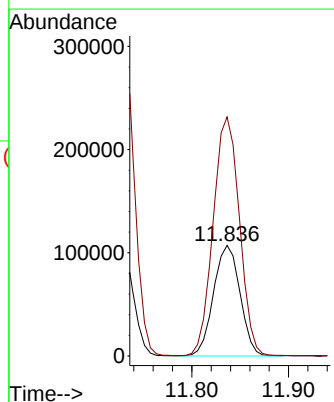
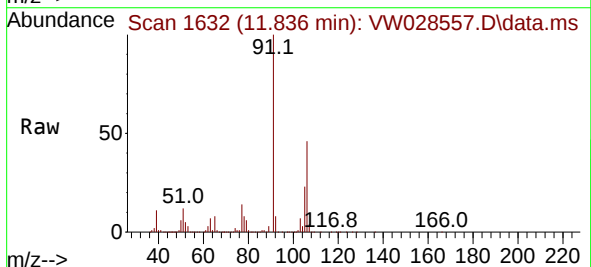
Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

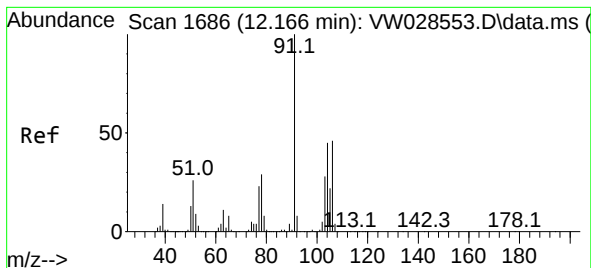
Tgt Ion: 91 Resp: 573024  
Ion Ratio Lower Upper  
91 100  
106 30.4 21.2 39.4



#53  
m,p-Xylene  
Concen: 23.715 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion:106 Resp: 203444  
Ion Ratio Lower Upper  
106 100  
91 216.4 152.4 283.0





#54

o-Xylene

Concen: 25.249 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

Instrument :

MSVOA\_W

ClientSampleId :

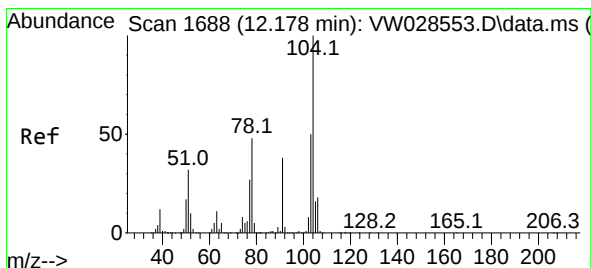
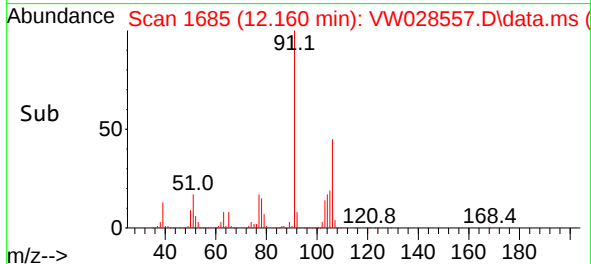
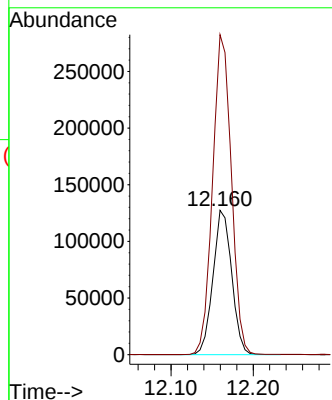
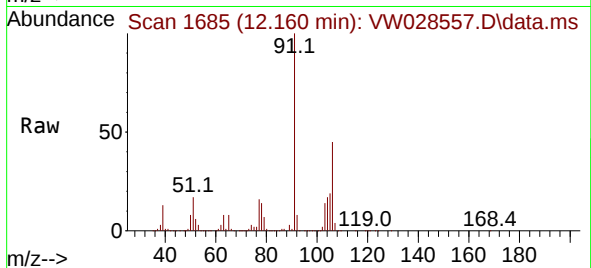
E0Y32MSD

Tgt Ion:106 Resp: 201682

Ion Ratio Lower Upper

106 100

91 221.7 152.9 283.9



#55

Styrene

Concen: 22.004 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW028557.D

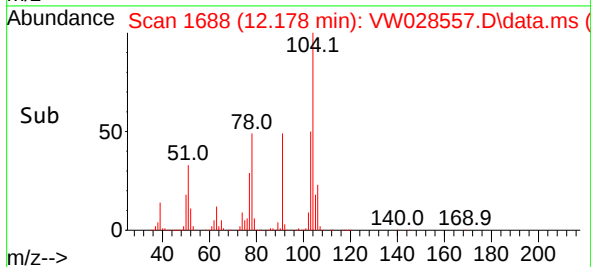
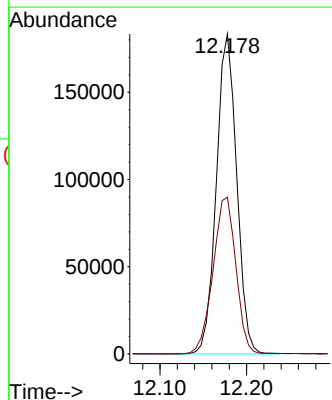
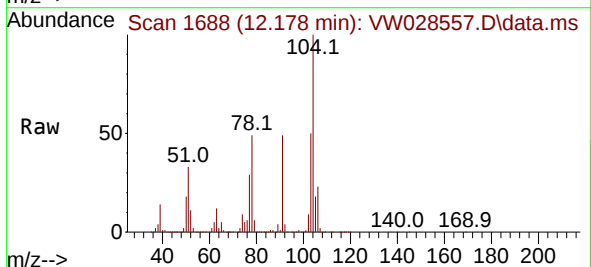
Acq: 01 May 2024 11:25

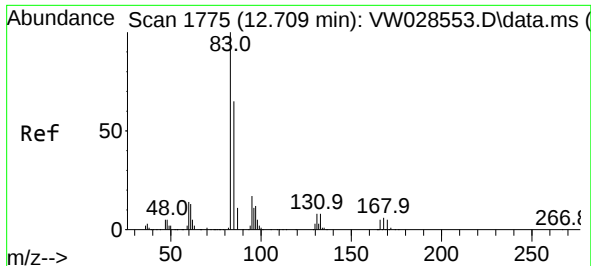
Tgt Ion:104 Resp: 299147

Ion Ratio Lower Upper

104 100

78 49.0 33.8 62.8





#57

1,1,2,2-Tetrachloroethane

Concen: 25.995 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

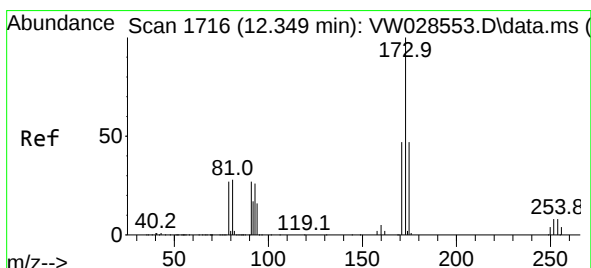
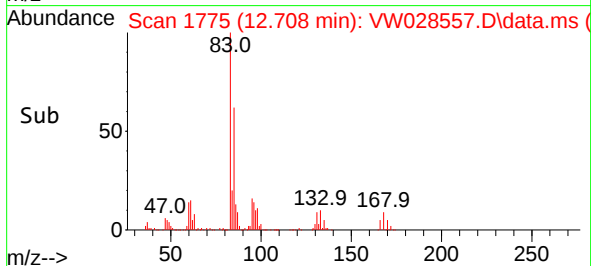
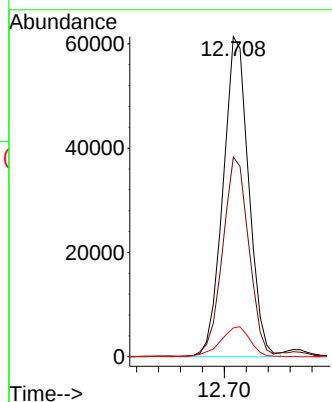
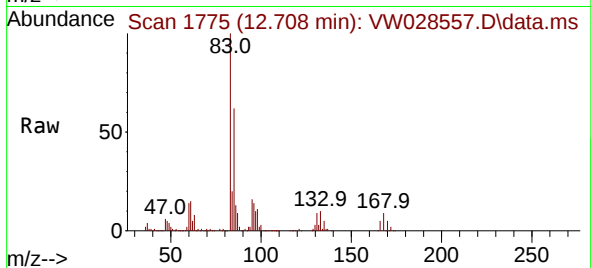
Instrument :

MSVOA\_W

ClientSampleId :

E0Y32MSD

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 83 | Resp: | 99648     |
| Ion Ratio   | Lower | Upper     |
| 83          | 100   |           |
| 85          | 62.4  | 43.4 80.6 |
| 131         | 9.0   | 8.0 12.0  |



#59

Bromoform

Concen: 32.094 ug/L

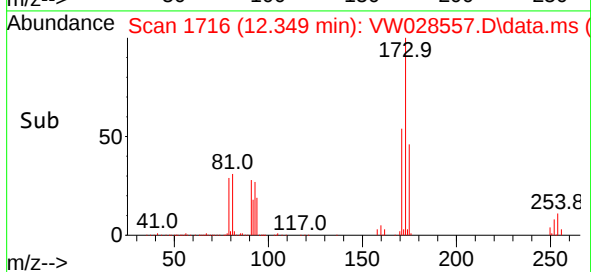
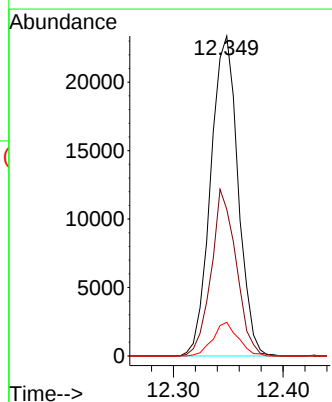
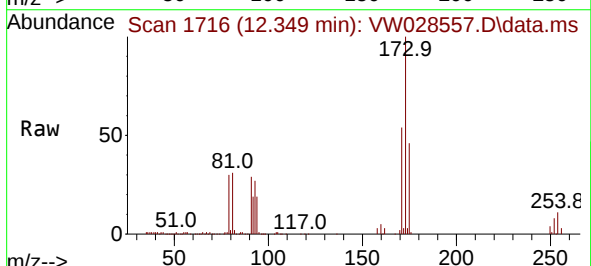
RT: 12.349 min Scan# 1716

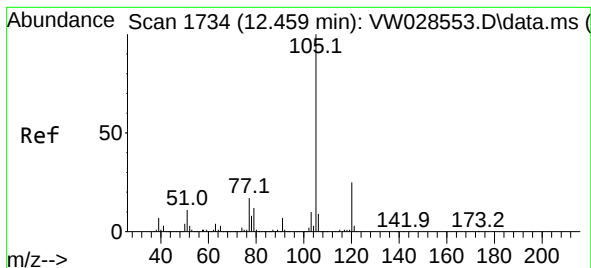
Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

|              |       |           |
|--------------|-------|-----------|
| Tgt Ion: 173 | Resp: | 40492     |
| Ion Ratio    | Lower | Upper     |
| 173          | 100   |           |
| 175          | 47.5  | 39.2 58.8 |
| 254          | 9.7   | 8.3 12.5  |





#60

Isopropylbenzene

Concen: 34.758 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

Instrument :

MSVOA\_W

ClientSampleId :

E0Y32MSD

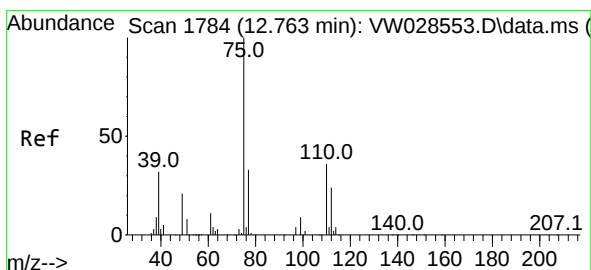
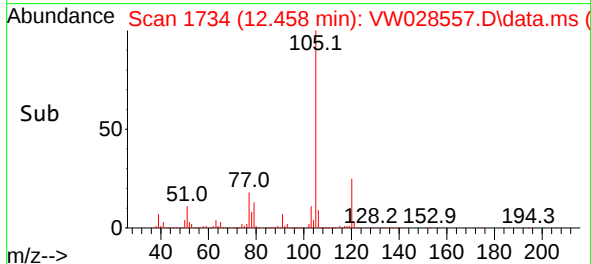
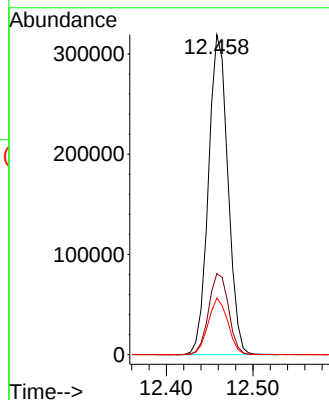
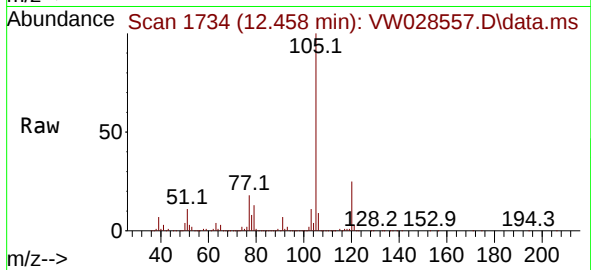
Tgt Ion:105 Resp: 498055

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

77 17.9 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 43.592 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

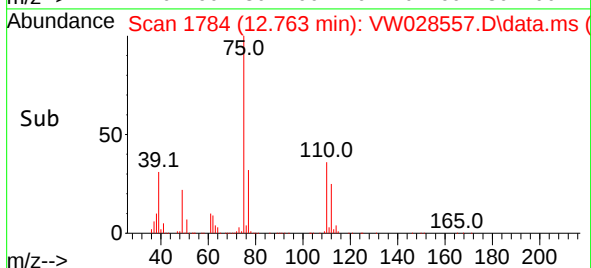
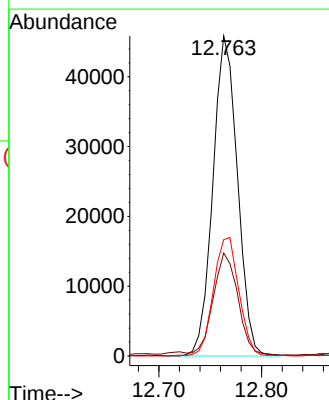
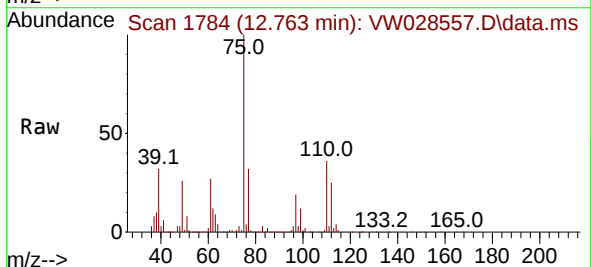
Tgt Ion: 75 Resp: 76176

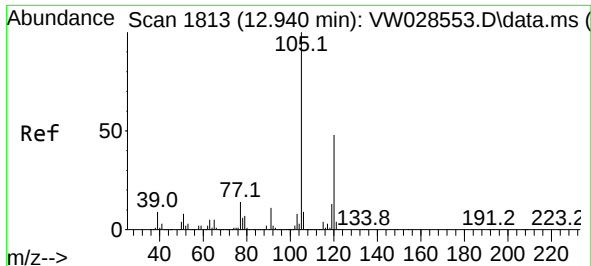
Ion Ratio Lower Upper

75 100

77 32.3 26.1 39.1

110 38.2 30.6 46.0

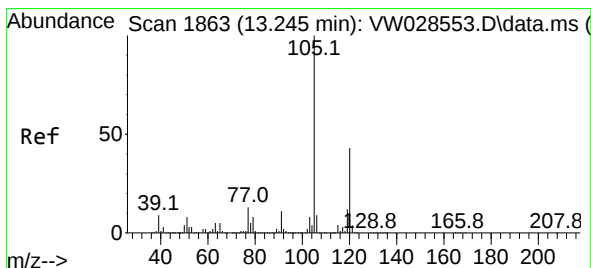
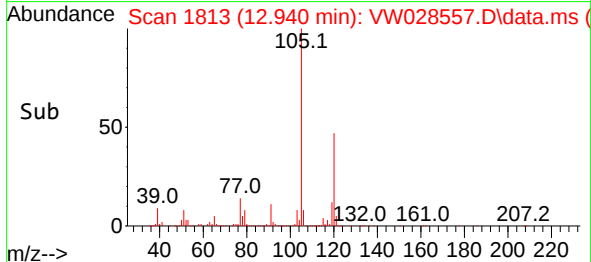
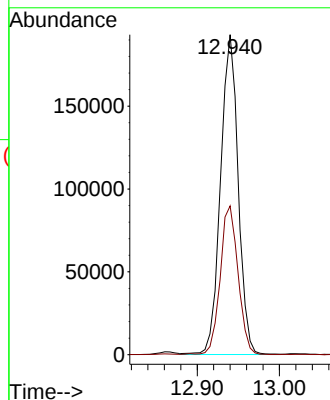
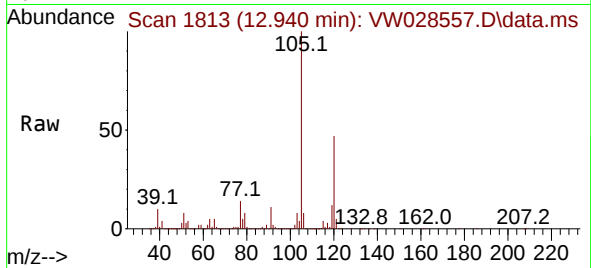




#62  
1,3,5-Trimethylbenzene  
Concen: 31.457 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

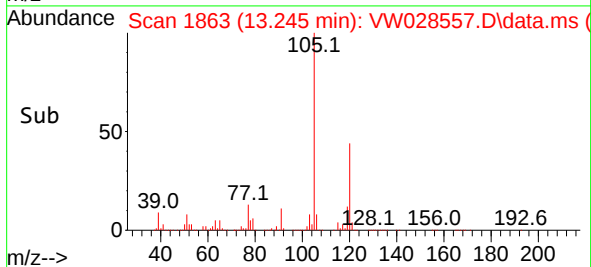
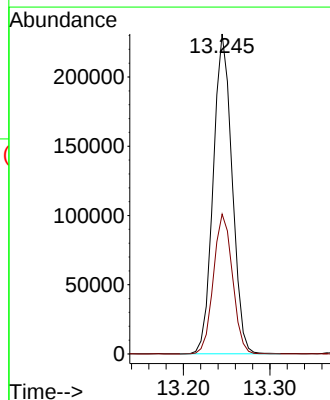
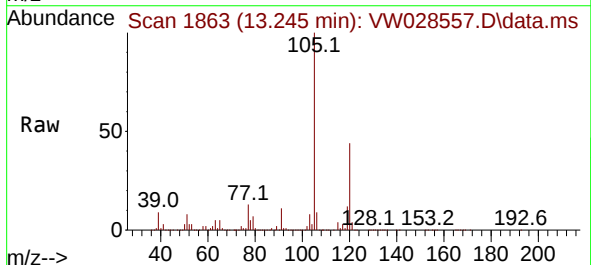
Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

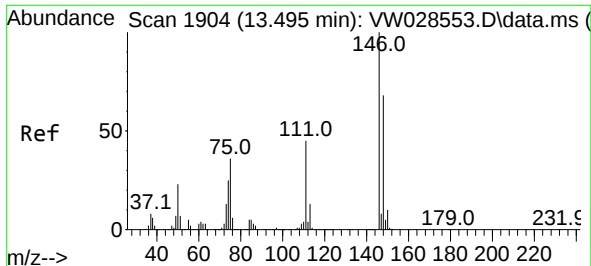
Tgt Ion:105 Resp: 287304  
Ion Ratio Lower Upper  
105 100  
120 47.1 37.5 56.3



#63  
1,2,4-Trimethylbenzene  
Concen: 31.846 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion:105 Resp: 350029  
Ion Ratio Lower Upper  
105 100  
120 44.0 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 23.468 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

Instrument :

MSVOA\_W

ClientSampleId :

E0Y32MSD

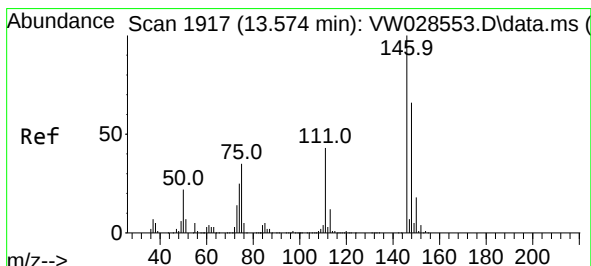
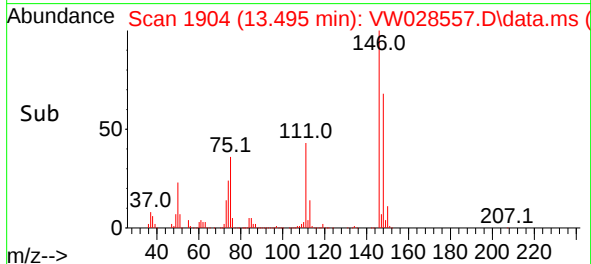
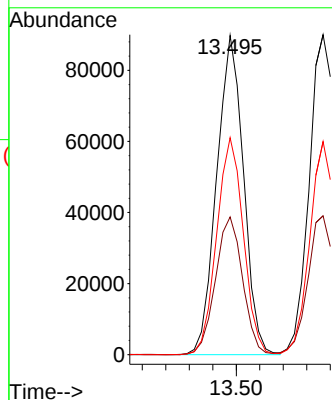
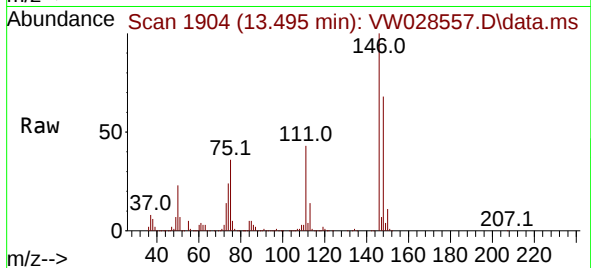
Tgt Ion:146 Resp: 142691

Ion Ratio Lower Upper

146 100

111 43.2 29.8 55.3

148 68.0 47.3 87.8



#65

1,4-Dichlorobenzene

Concen: 23.740 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

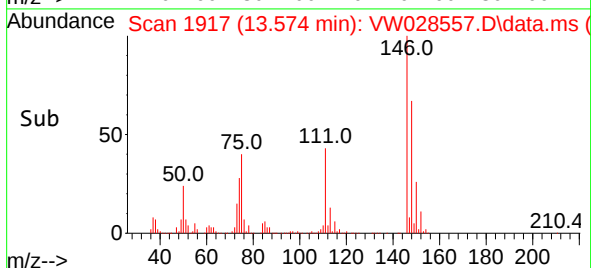
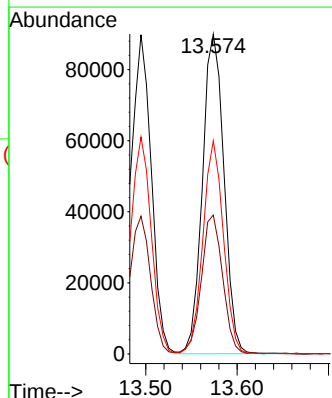
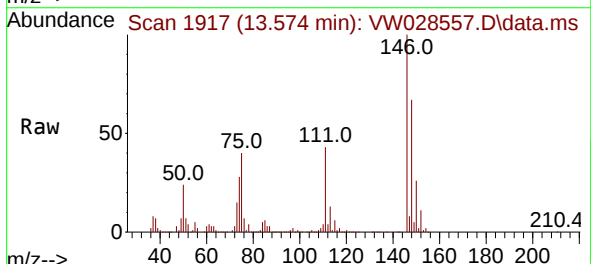
Tgt Ion:146 Resp: 146834

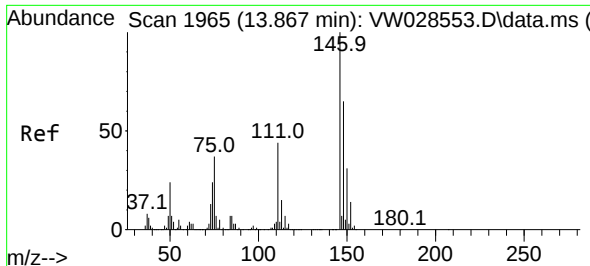
Ion Ratio Lower Upper

146 100

111 43.4 30.3 56.3

148 66.6 47.3 87.8

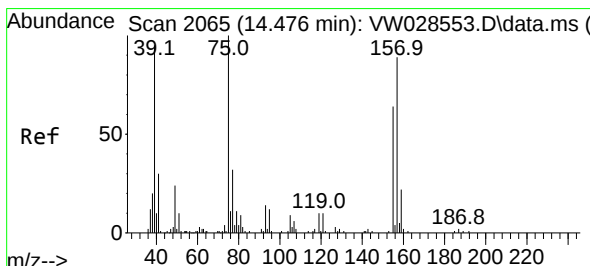
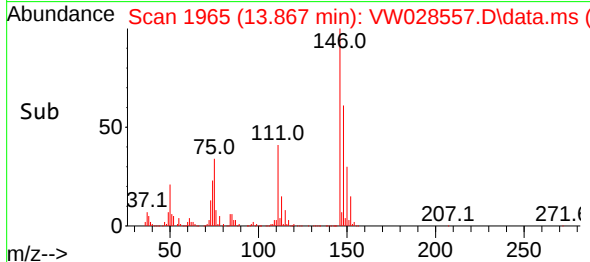
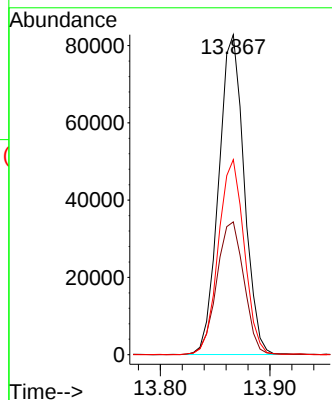
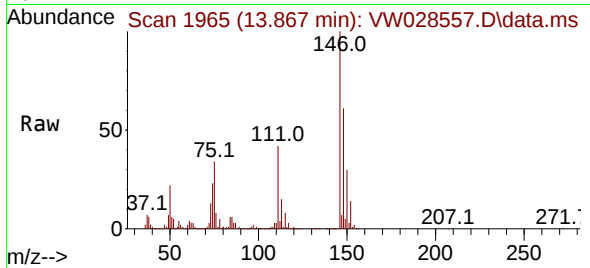




#67  
1,2-Dichlorobenzene  
Concen: 24.945 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

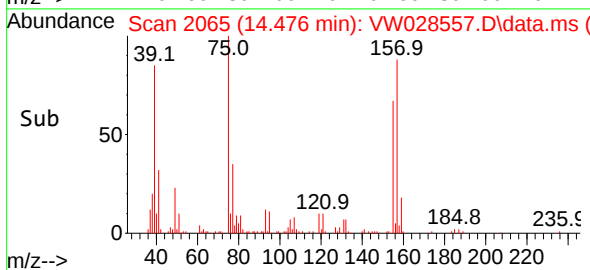
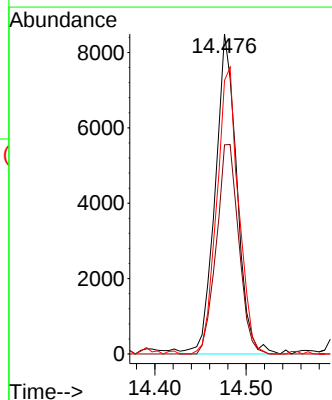
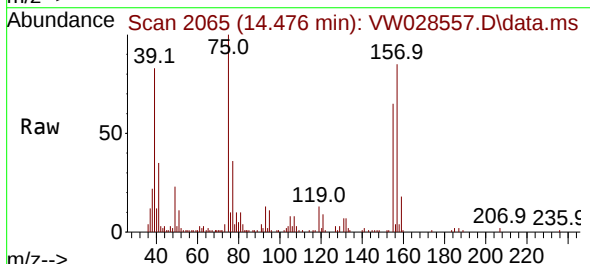
Instrument :  
MSVOA\_W  
ClientSampleId :  
E0Y32MSD

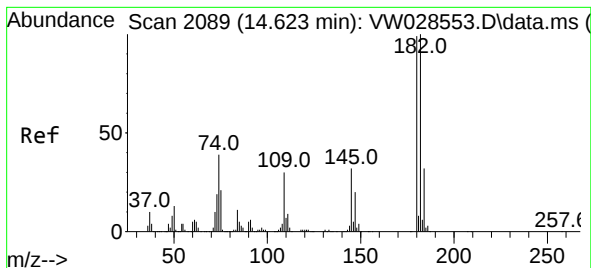
Tgt Ion:146 Resp: 133413  
Ion Ratio Lower Upper  
146 100  
111 41.5 31.4 47.2  
148 61.0 46.4 69.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 34.854 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: VW028557.D  
Acq: 01 May 2024 11:25

Tgt Ion: 75 Resp: 13957  
Ion Ratio Lower Upper  
75 100  
155 65.4 61.2 91.8  
157 85.5 73.3 109.9





#69

1,3,5-Trichlorobenzene

Concen: 15.189 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

Instrument :

MSVOA\_W

ClientSampleId :

E0Y32MSD

Tgt Ion:180 Resp: 63548

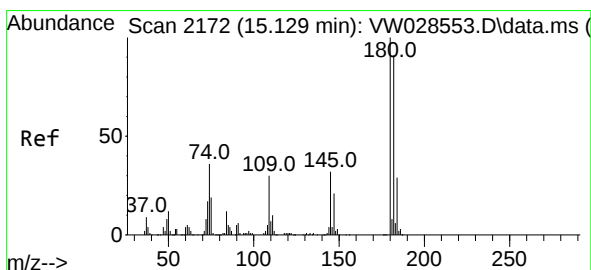
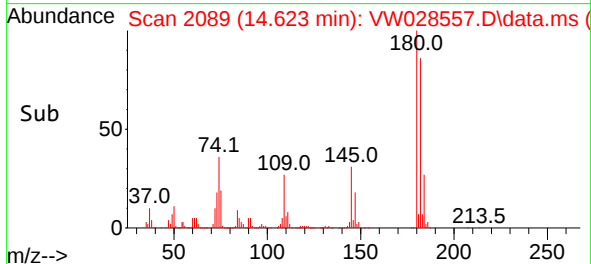
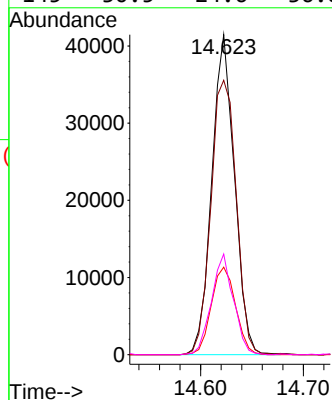
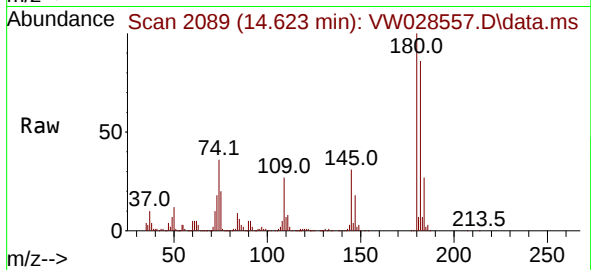
Ion Ratio Lower Upper

180 100

182 95.8 77.4 116.0

184 29.3 24.8 37.2

145 30.5 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 13.650 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

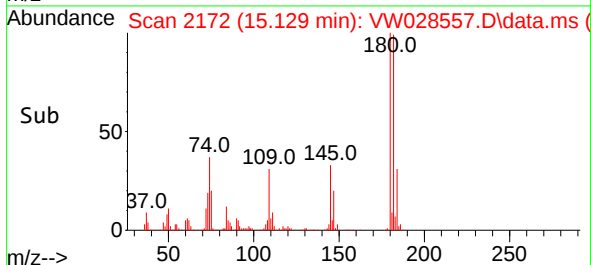
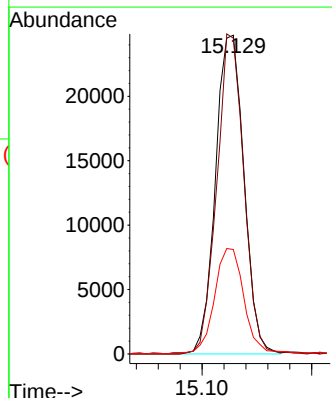
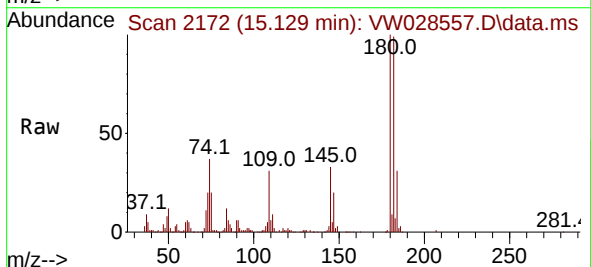
Tgt Ion:180 Resp: 44599

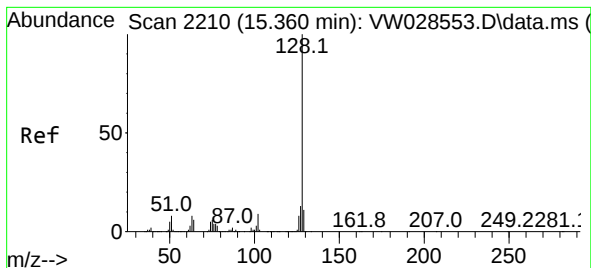
Ion Ratio Lower Upper

180 100

182 95.0 71.5 107.3

145 33.7 23.5 35.3





#71

Naphthalene

Concen: 16.714 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

Instrument :

MSVOA\_W

ClientSampleId :

E0Y32MSD

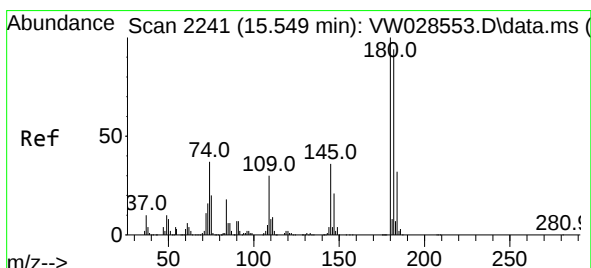
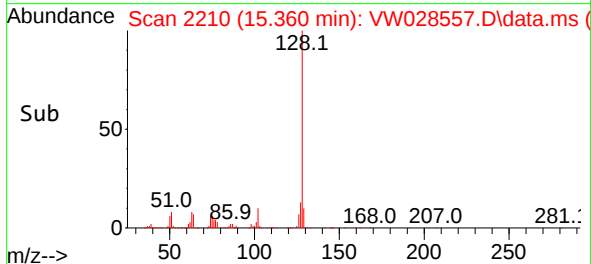
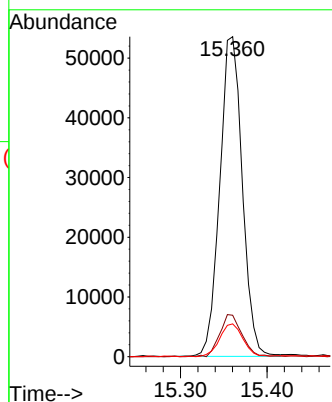
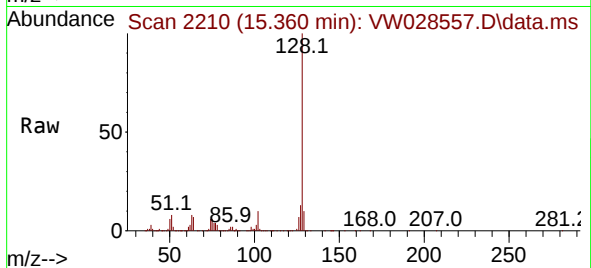
Tgt Ion:128 Resp: 96650

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

129 10.6 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 12.233 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW028557.D

Acq: 01 May 2024 11:25

Tgt Ion:180 Resp: 35466

Ion Ratio Lower Upper

180 100

182 97.7 75.7 113.5

145 36.4 26.2 39.4

