

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062824\  
 Data File : VW029401.D  
 Acq On : 28 Jun 2024 16:22  
 Operator : SY/MD  
 Sample : P3101-03MS  
 Misc : 5.46g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4CD6MS

Quant Time: Jun 29 02:12:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jun 29 02:05:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 283700   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 222027   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.550 | 152   | 78556    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 72615    | 18.492   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 73.960%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 63496    | 19.148   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.600%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 35831    | 18.899   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 75.600%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 57049    | 48.560   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 97.120%  |
| 24) Chloroform-d              | 7.648  | 84    | 182160   | 21.525   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 86.080%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 104724   | 21.553   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 86.200%  |
| 32) Benzene-d6                | 8.276  | 84    | 333921   | 24.761   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 99.040%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 110376   | 25.747   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 103.000% |
| 41) Toluene-d8                | 10.325 | 98    | 274077   | 22.971   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.880%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 36404    | 21.073   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 84.280%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 35755    | 53.205   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 106.420% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 80383    | 23.560   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 94.240%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 61105    | 22.409   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 89.640%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 60893    | 22.000   | ug/L   | 95       |
| 3) Chloromethane              | 2.223  | 50    | 81520    | 20.656   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.369  | 62    | 100577   | 22.192   | ug/L   | 97       |
| 6) Bromomethane               | 2.790  | 94    | 51597    | 18.942   | ug/L   | 99       |
| 8) Chloroethane               | 2.936  | 64    | 64820    | 23.383   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 95991    | 27.319   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 78893    | 20.364   | ug/L # | 63       |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 80453    | 24.474   | ug/L   | 87       |
| 13) Acetone                   | 4.125  | 43    | 39160    | 39.223   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.387  | 76    | 210446   | 19.611   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.673  | 43    | 40111    | 20.237   | ug/L   | 100      |
| 16) Methylene chloride        | 4.917  | 84    | 98843    | 19.814   | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 84313    | 23.095   | ug/L   | 91       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 172532   | 29.540   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 196816   | 24.962   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 98607    | 24.495   | ug/L   | 97       |
| 22) 2-Butanone                | 7.167  | 43    | 63675    | 46.526   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.514  | 128   | 43057    | 24.026   | ug/L   | 94       |
| 25) Chloroform                | 7.679  | 83    | 190735   | 24.773   | ug/L   | 100      |

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 ALS Vial : 12 Sample Multiplier: 1

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 ClientSampleId :  
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Quant Time: Jun 29 02:12:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jun 29 02:05:50 2024  
 Response via : Initial Calibration

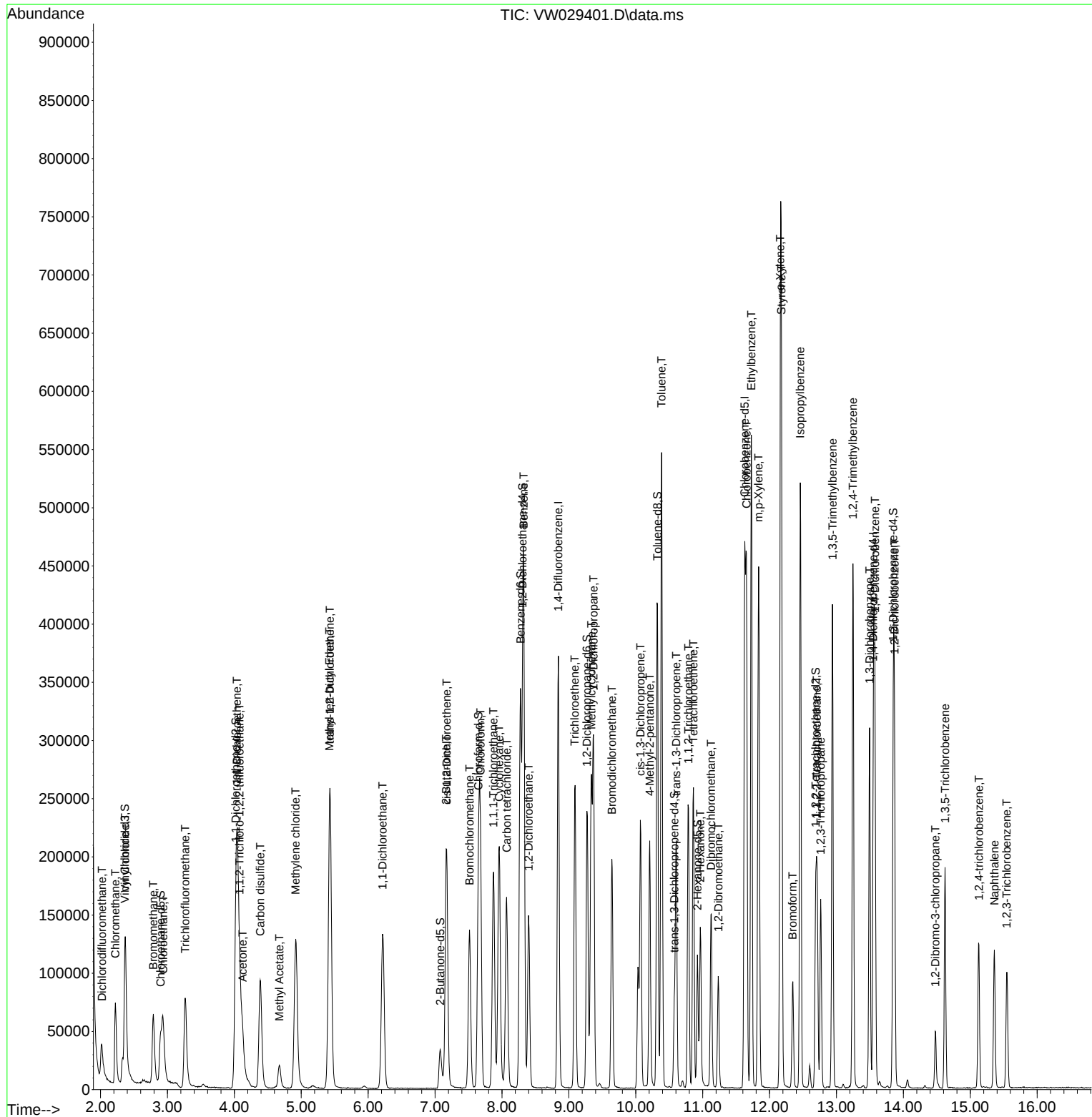
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 137357   | 24.190 | ug/L   | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 115817   | 22.818 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 148004   | 29.978 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 118795   | 26.340 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 383342   | 28.735 | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 93163    | 26.176 | ug/L   | 99       |
| 35) Methylcyclohexane         | 9.337  | 83   | 95093    | 16.989 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 110414   | 29.455 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 133482   | 29.124 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 127898   | 24.136 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 142314   | 61.252 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 375484   | 27.379 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 111731   | 24.971 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 74739    | 28.627 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 54273    | 21.814 | ug/L   | 89       |
| 48) 2-Hexanone                | 10.965 | 43   | 90988    | 55.190 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 77230    | 28.298 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 62377    | 26.616 | ug/L # | 95       |
| 51) Chlorobenzene             | 11.654 | 112  | 208954   | 23.462 | ug/L   | 95       |
| 52) Ethylbenzene              | 11.727 | 91   | 370638   | 23.808 | ug/L   | 95       |
| 53) m,p-Xylene                | 11.837 | 106  | 136335   | 23.976 | ug/L   | 99       |
| 54) o-Xylene                  | 12.160 | 106  | 131322   | 24.710 | ug/L   | 93       |
| 55) Styrene                   | 12.178 | 104  | 214766   | 23.178 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.709 | 83   | 83663    | 25.906 | ug/L   | 94       |
| 59) Bromoform                 | 12.343 | 173  | 39418    | 36.611 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.459 | 105  | 319786   | 30.551 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 64840    | 37.842 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 210913   | 27.822 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 232556   | 28.512 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 112131   | 24.754 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 119797   | 24.857 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 100472   | 23.993 | ug/L   | 90       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 12845    | 32.124 | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 50718    | 16.590 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 36614    | 14.774 | ug/L   | 98       |
| 71) Naphthalene               | 15.360 | 128  | 96603    | 19.750 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 31694    | 14.036 | ug/L   | 93       |

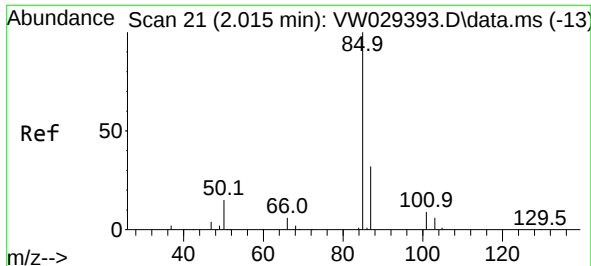
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Quant Title : SFAM01.0  
QLast Update : Sat Jun 29 02:05:50 2024  
Response via : Initial Calibration

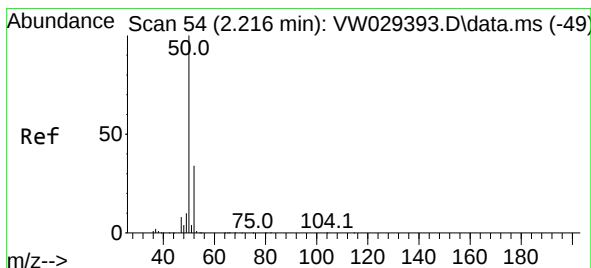
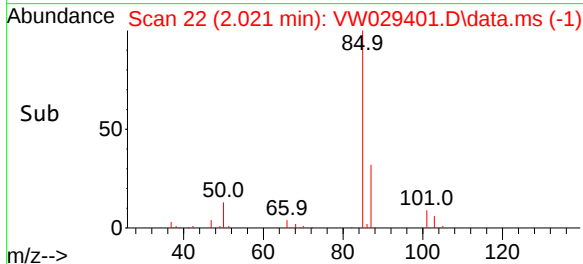
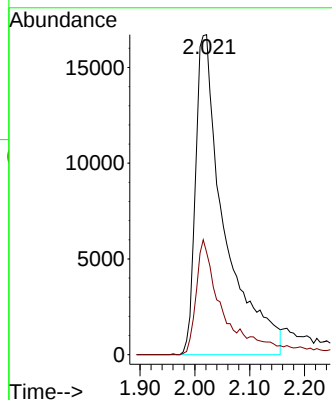
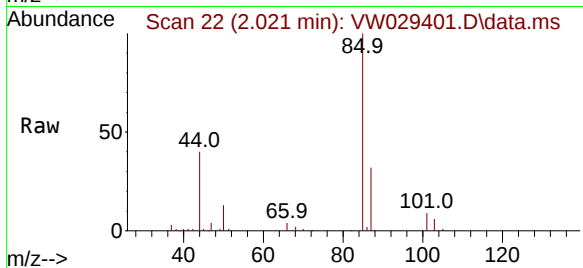




#2  
Dichlorodifluoromethane  
Concen: 22.000 ug/L  
RT: 2.021 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

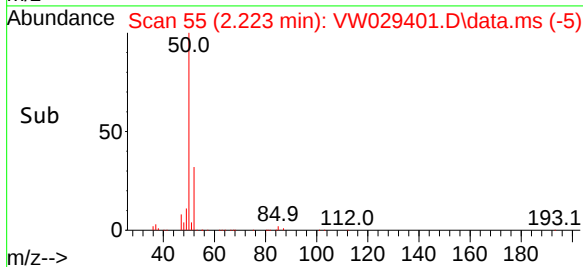
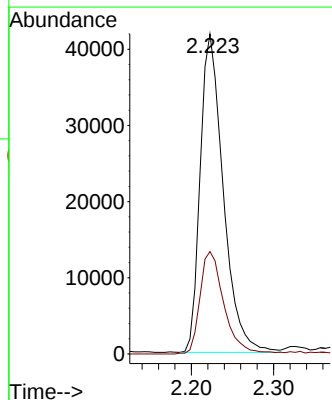
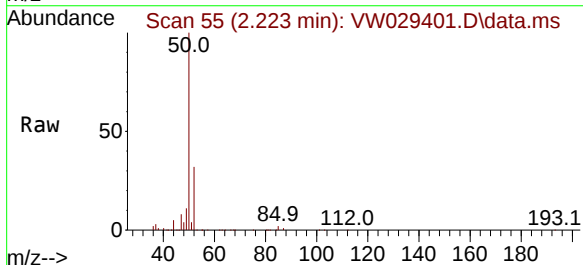
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

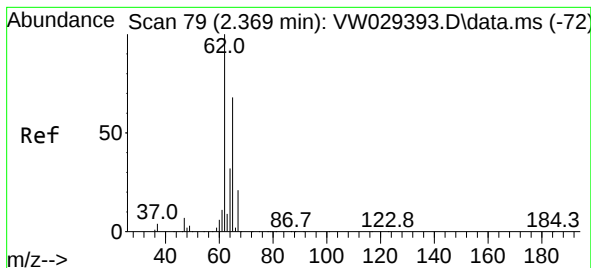
Tgt Ion: 85 Resp: 60893  
Ion Ratio Lower Upper  
85 100  
87 26.8 23.8 35.6



#3  
Chloromethane  
Concen: 20.656 ug/L  
RT: 2.223 min Scan# 55  
Delta R.T. 0.006 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion: 50 Resp: 81520  
Ion Ratio Lower Upper  
50 100  
52 32.0 22.3 41.5





#5

Vinyl chloride

Concen: 22.192 ug/L

RT: 2.369 min Scan# 79

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA\_W

ClientSampleId :

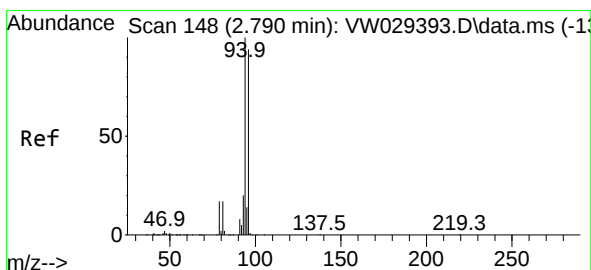
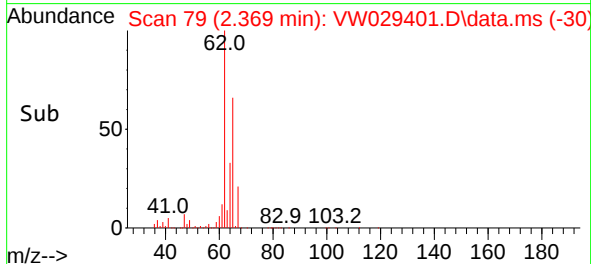
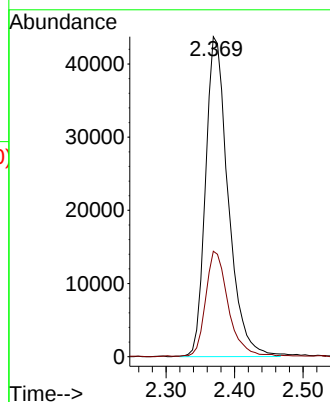
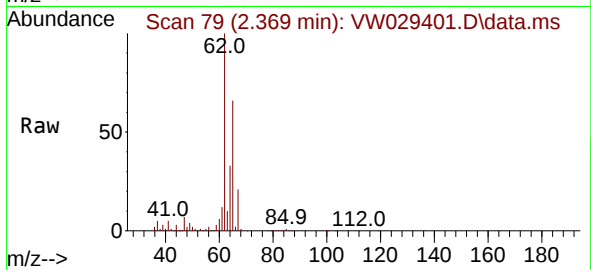
A4CD6MS

Tgt Ion: 62 Resp: 100577

Ion Ratio Lower Upper

62 100

64 33.0 22.0 40.8



#6

Bromomethane

Concen: 18.942 ug/L

RT: 2.790 min Scan# 148

Delta R.T. 0.000 min

Lab File: VW029401.D

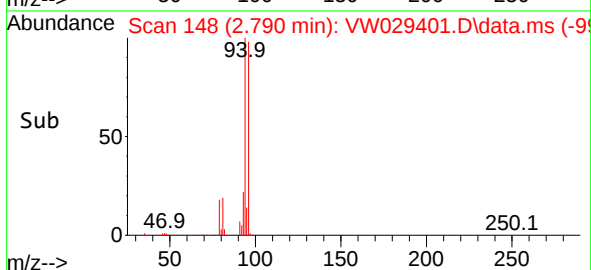
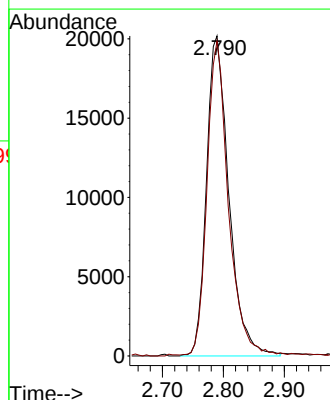
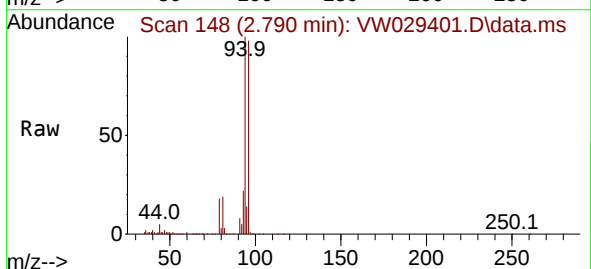
Acq: 28 Jun 2024 16:22

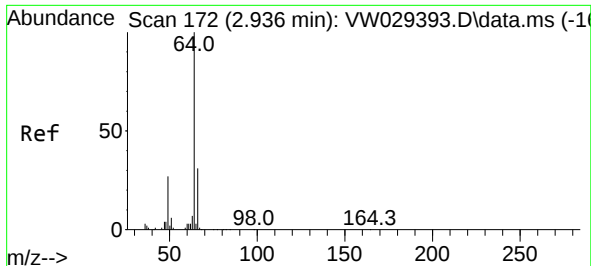
Tgt Ion: 94 Resp: 51597

Ion Ratio Lower Upper

94 100

96 98.4 69.5 129.1

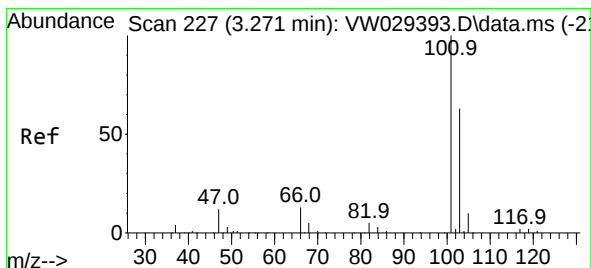
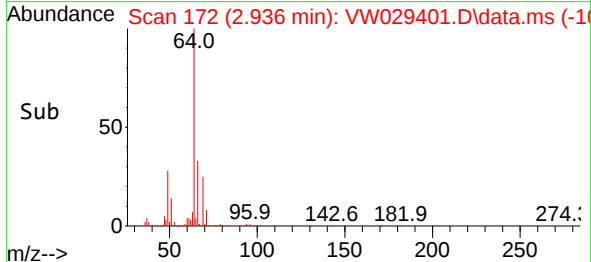
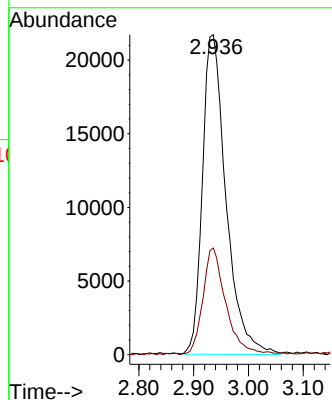
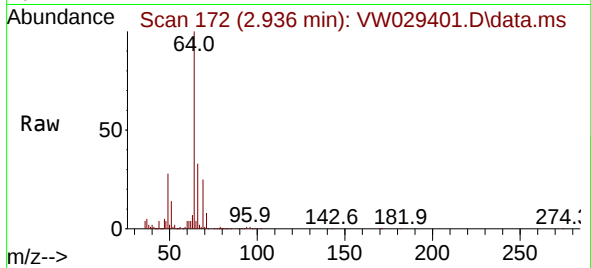




#8  
Chloroethane  
Concen: 23.383 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

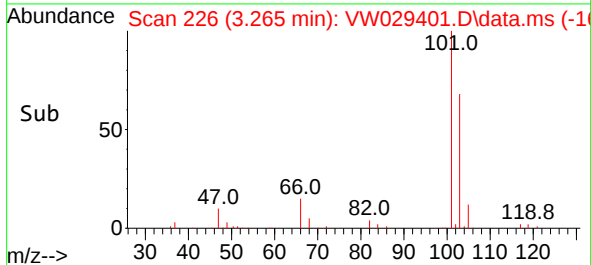
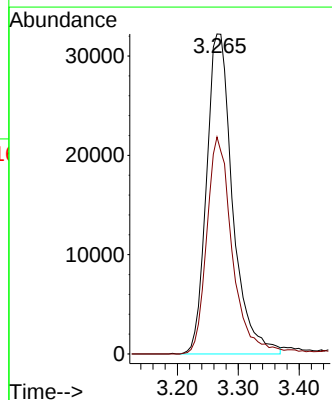
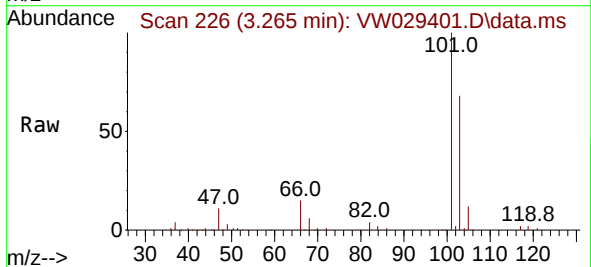
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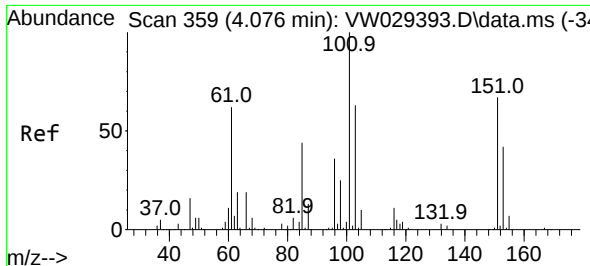
Tgt Ion: 64 Resp: 64820  
Ion Ratio Lower Upper  
64 100  
66 33.3 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 27.319 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion:101 Resp: 95991  
Ion Ratio Lower Upper  
101 100  
103 65.1 50.8 76.2

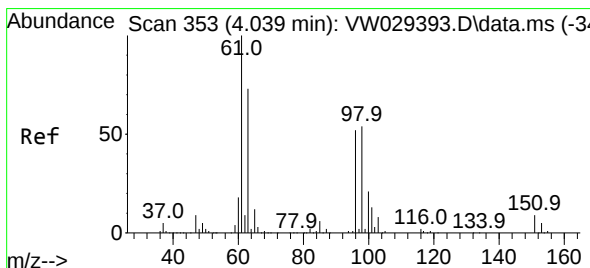
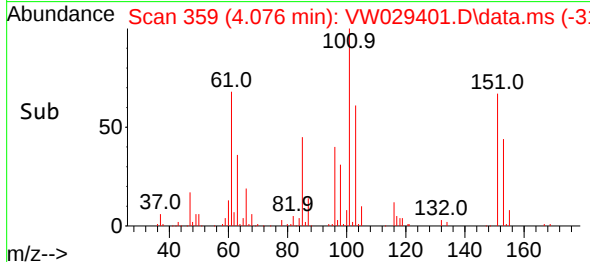
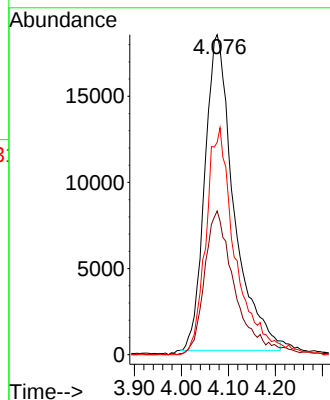
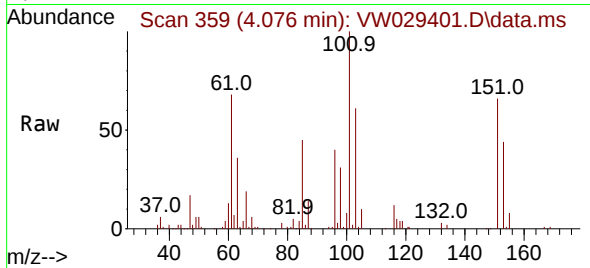




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 20.364 ug/L  
 RT: 4.076 min Scan# 359  
 Delta R.T. 0.000 min  
 Lab File: VW029401.D  
 Acq: 28 Jun 2024 16:22

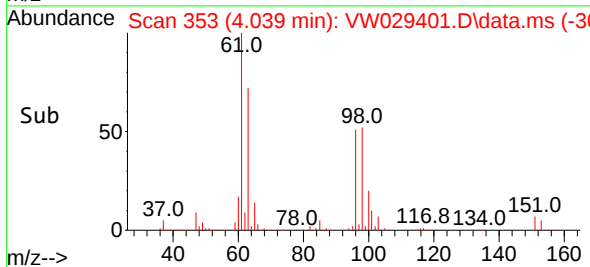
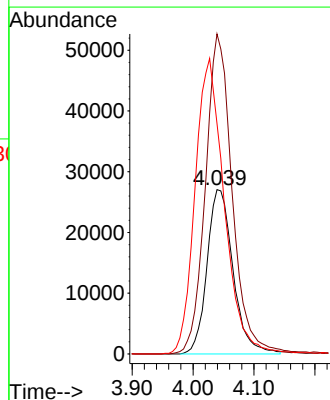
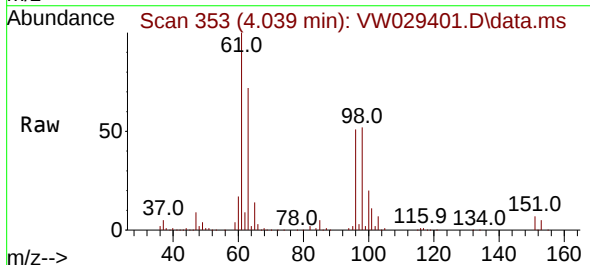
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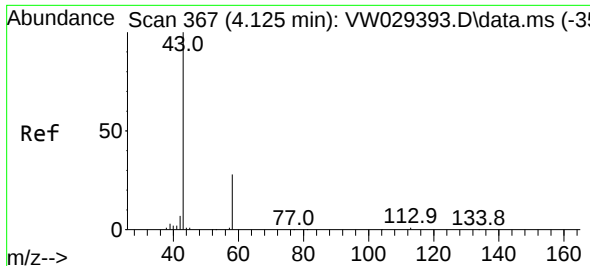
Tgt Ion:101 Resp: 78893  
 Ion Ratio Lower Upper  
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 151 24.6 52.2 78.4#



#12  
 1,1-Dichloroethene  
 Concen: 24.474 ug/L  
 RT: 4.039 min Scan# 353  
 Delta R.T. 0.000 min  
 Lab File: VW029401.D  
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Tgt Ion: 96 Resp: 80453  
 Ion Ratio Lower Upper  
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 63 140.2 122.0 226.6

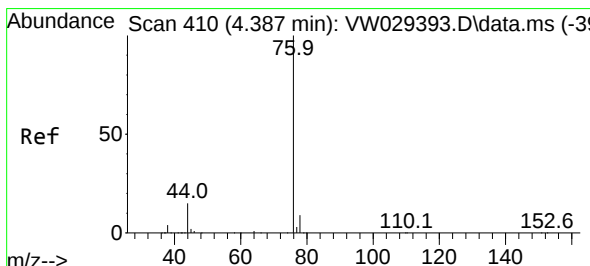
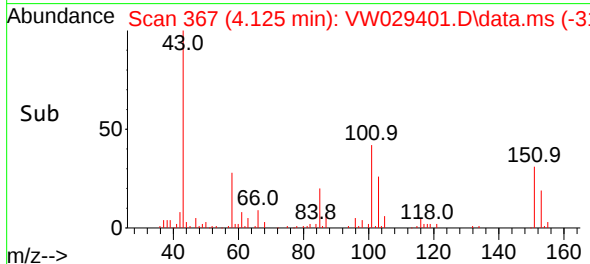
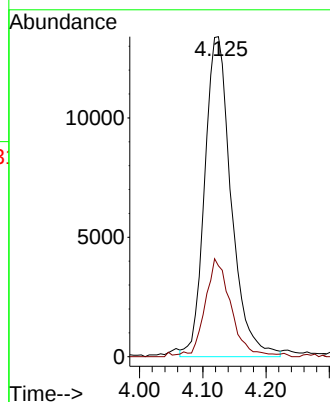
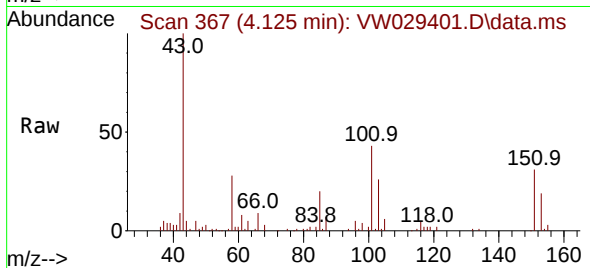




#13  
Acetone  
Concen: 39.223 ug/L  
RT: 4.125 min Scan# 367  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

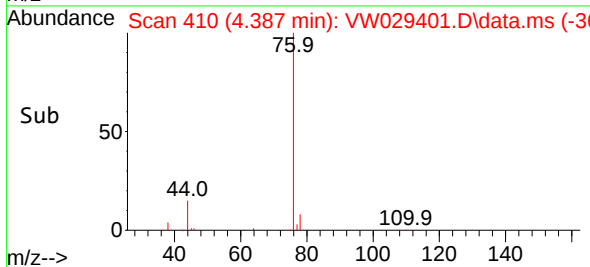
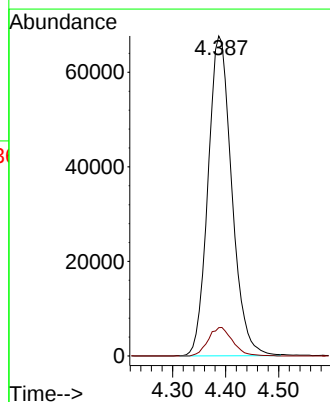
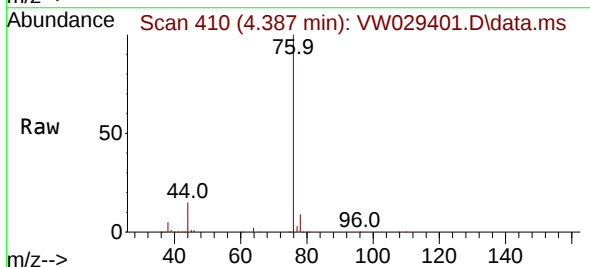
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

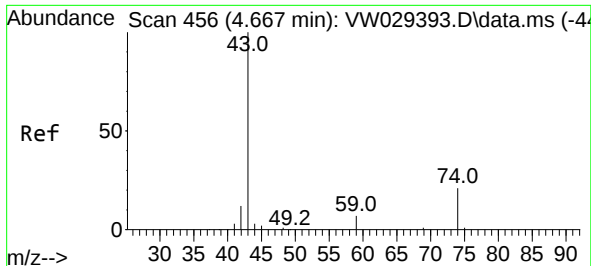
Tgt Ion: 43 Resp: 39160  
Ion Ratio Lower Upper  
43 100  
58 29.2 0.0 61.4



#14  
Carbon disulfide  
Concen: 19.611 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion: 76 Resp: 210446  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.2 10.8

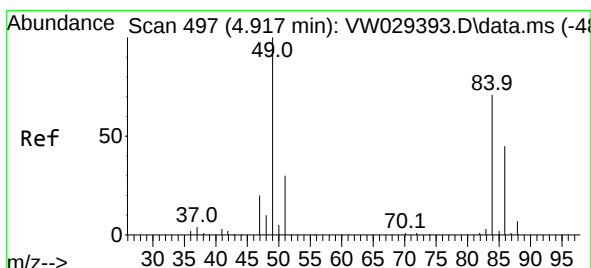
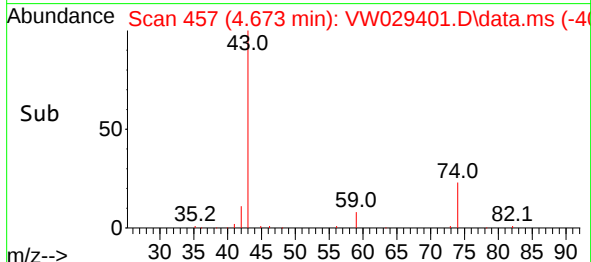
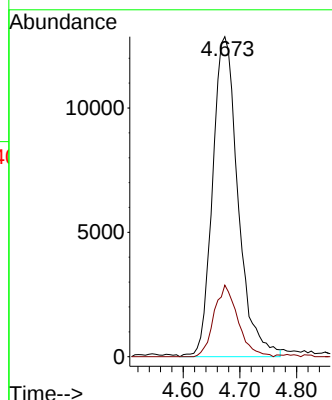
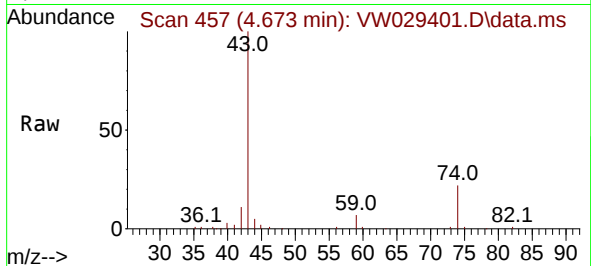




#15  
Methyl Acetate  
Concen: 20.237 ug/L  
RT: 4.673 min Scan# 456  
Delta R.T. 0.006 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

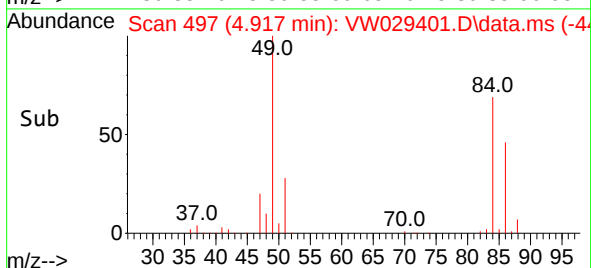
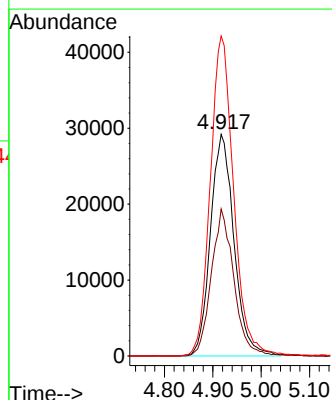
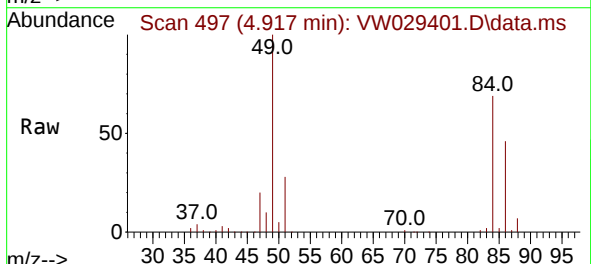
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

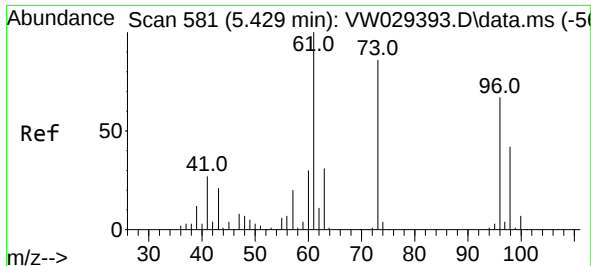
Tgt Ion: 43 Resp: 40111  
Ion Ratio Lower Upper  
43 100  
74 20.9 16.6 25.0



#16  
Methylene chloride  
Concen: 19.814 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion: 84 Resp: 98843  
Ion Ratio Lower Upper  
84 100  
86 66.4 41.4 77.0  
49 144.4 95.7 177.7

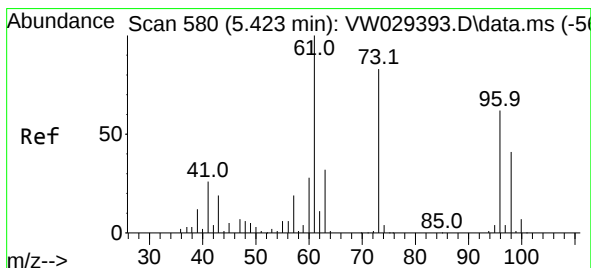
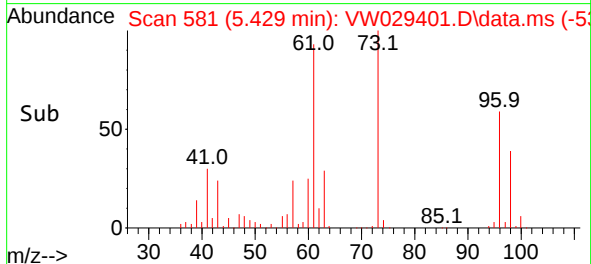
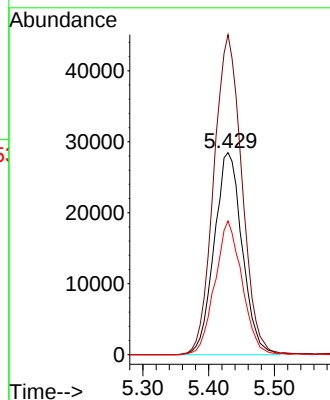
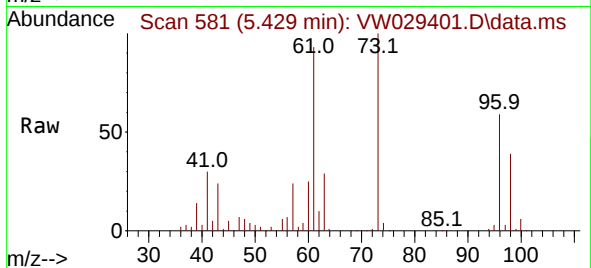




#17  
trans-1,2-Dichloroethene  
Concen: 23.095 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

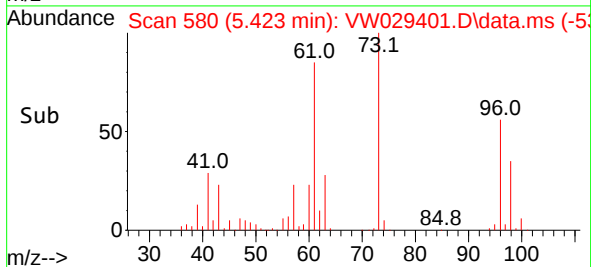
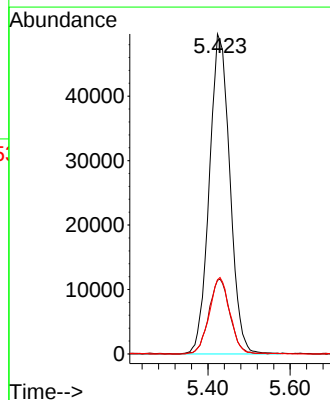
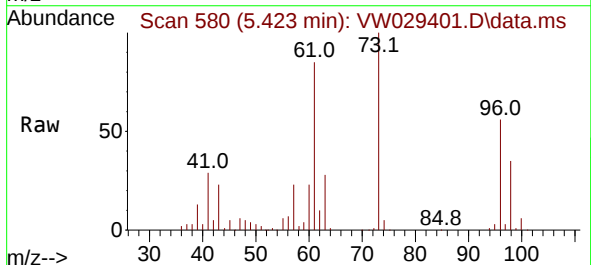
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

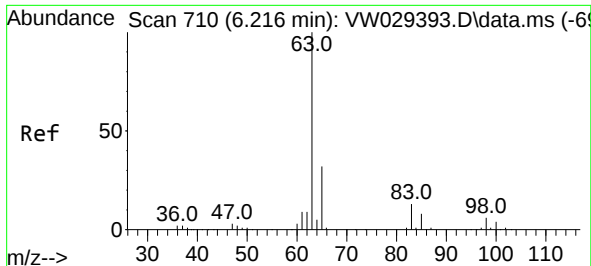
Tgt Ion: 96 Resp: 84313  
Ion Ratio Lower Upper  
96 100  
61 158.4 101.5 188.5  
98 66.2 43.3 80.3



#18  
Methyl tert-butyl Ether  
Concen: 29.540 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion: 73 Resp: 172532  
Ion Ratio Lower Upper  
73 100  
43 24.0 19.5 29.3  
57 23.7 18.4 27.6

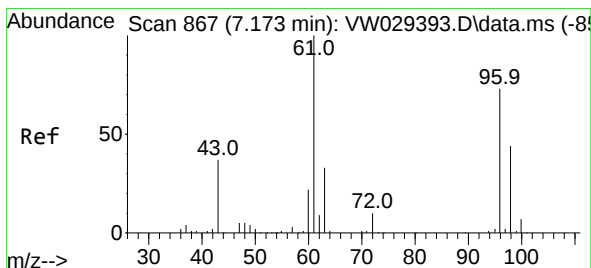
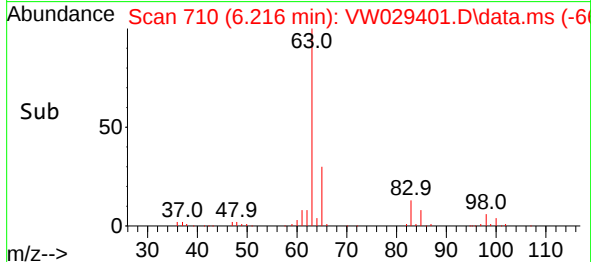
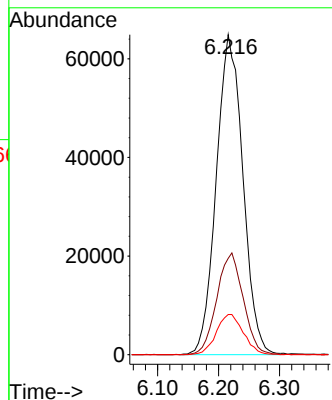
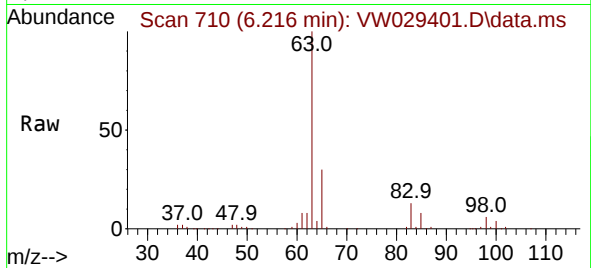




#19  
1,1-Dichloroethane  
Concen: 24.962 ug/L  
RT: 6.216 min Scan# 710  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

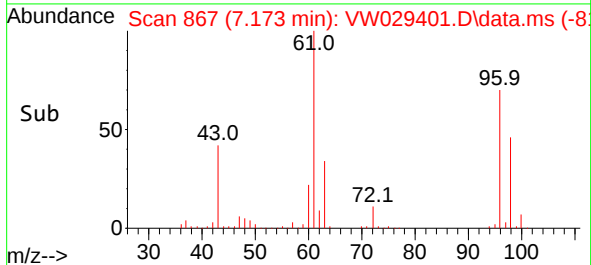
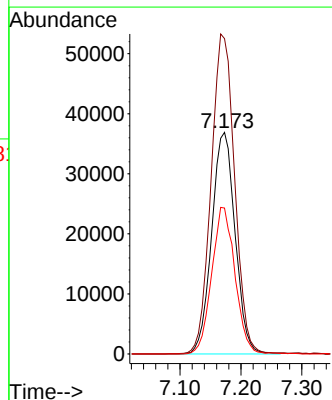
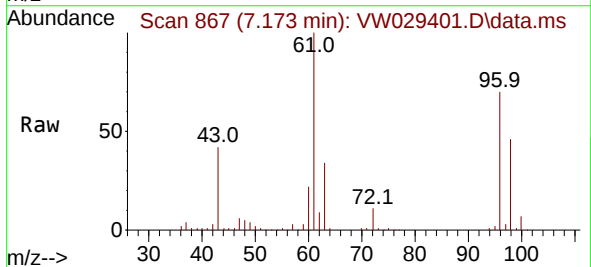
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

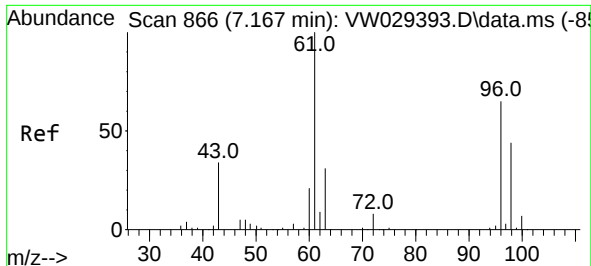
|             |              |
|-------------|--------------|
| Tgt Ion: 63 | Resp: 196816 |
| Ion Ratio   | Lower Upper  |
| 63 100      |              |
| 65 30.1     | 23.4 43.4    |
| 83 12.5     | 8.9 16.5     |



#20  
cis-1,2-Dichloroethene  
Concen: 24.495 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 98607 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 142.4    | 97.8 181.6  |
| 98 65.9     | 43.0 79.8   |

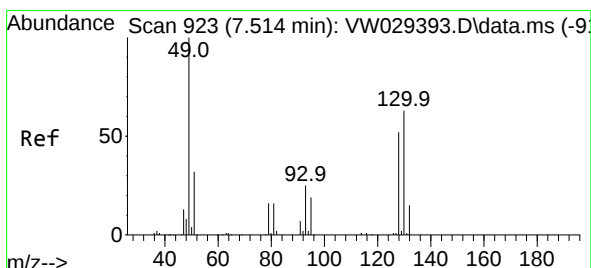
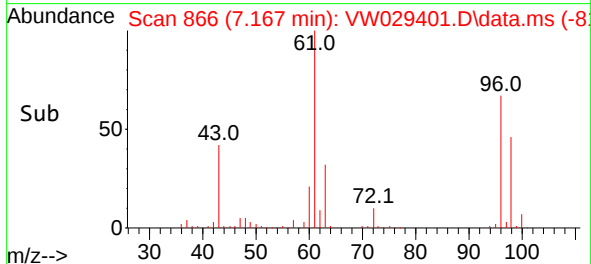
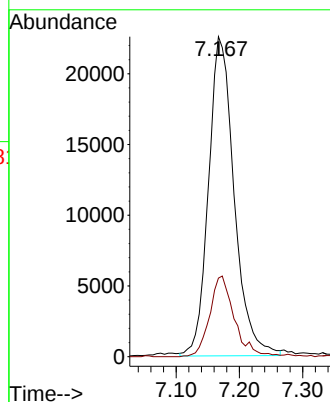
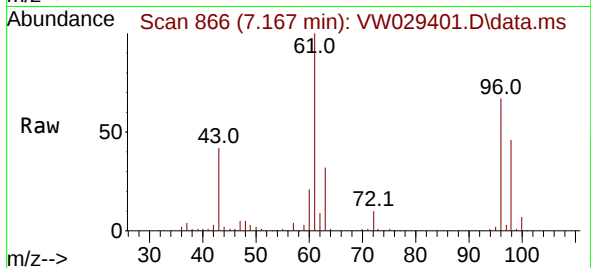




#22  
2-Butanone  
Concen: 46.526 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

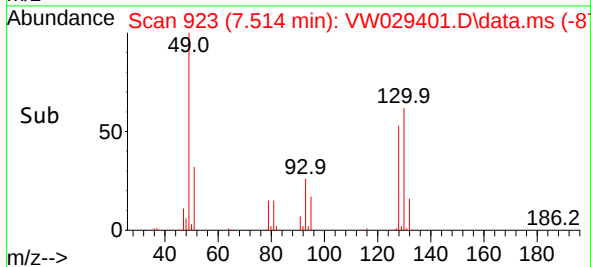
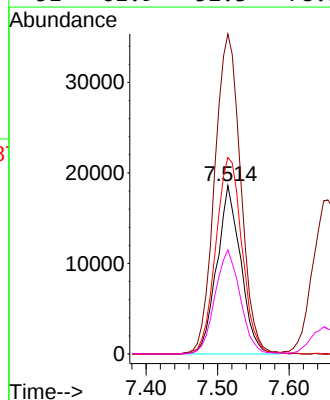
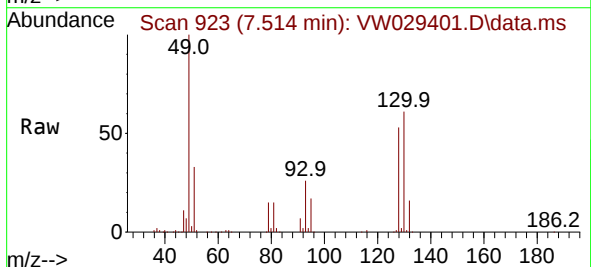
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

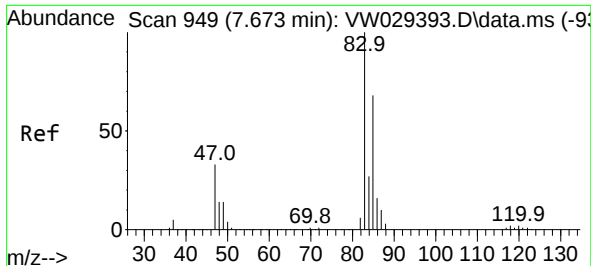
Tgt Ion: 43 Resp: 63675  
Ion Ratio Lower Upper  
43 100  
72 22.5 11.9 35.7



#23  
Bromochloromethane  
Concen: 24.026 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion: 128 Resp: 43057  
Ion Ratio Lower Upper  
128 100  
49 190.1 142.6 264.8  
130 116.7 79.7 148.1  
51 61.9 52.3 78.5

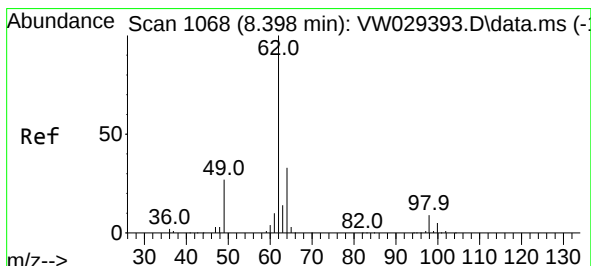
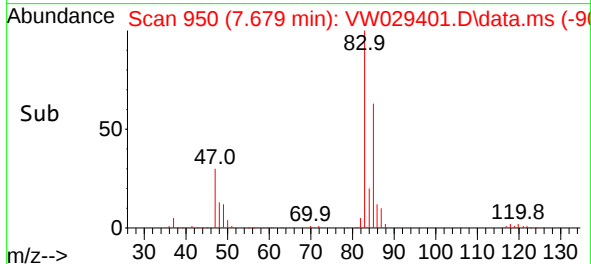
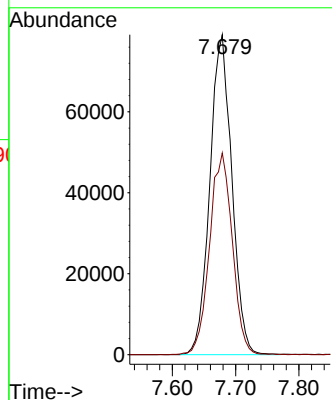
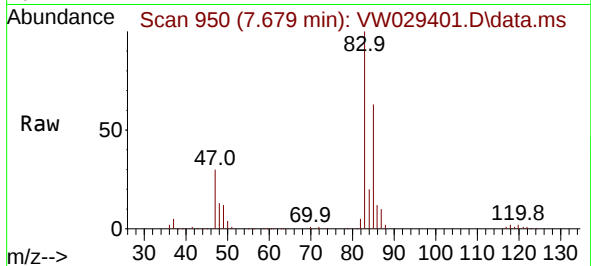




#25  
Chloroform  
Concen: 24.773 ug/L  
RT: 7.679 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

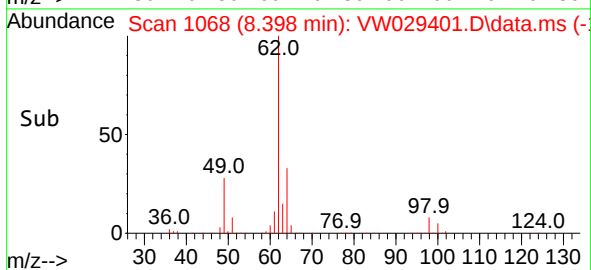
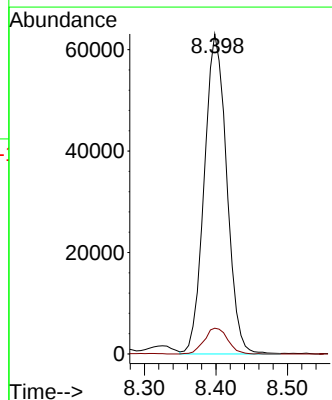
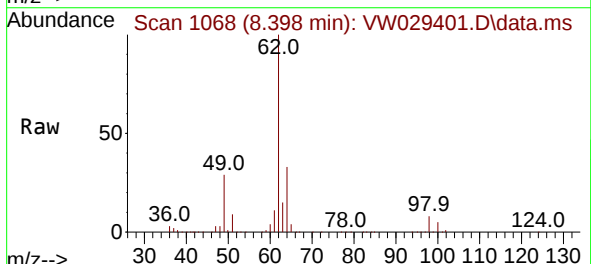
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

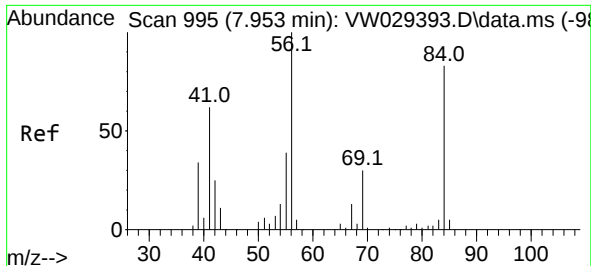
Tgt Ion: 83 Resp: 190735  
Ion Ratio Lower Upper  
83 100  
85 63.0 44.4 82.4



#27  
1,2-Dichloroethane  
Concen: 24.190 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion: 62 Resp: 137357  
Ion Ratio Lower Upper  
62 100  
98 8.0 6.6 10.0

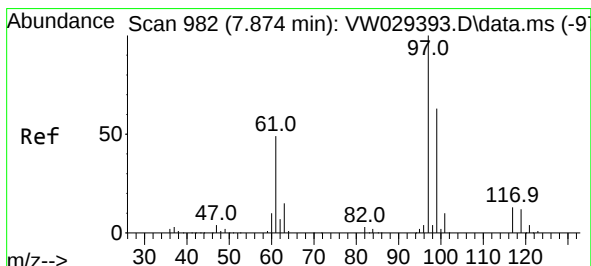
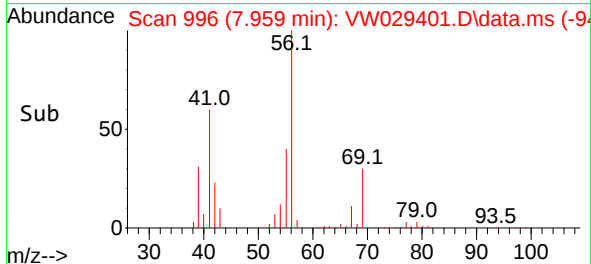
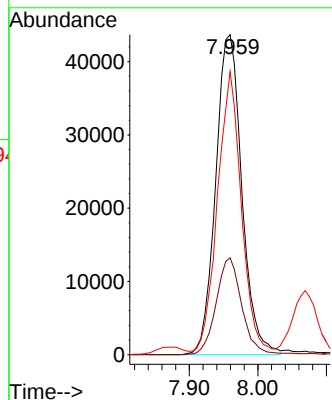
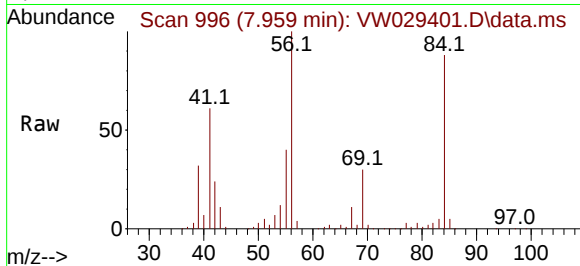




#29  
Cyclohexane  
Concen: 22.818 ug/L  
RT: 7.959 min Scan# 995  
Delta R.T. 0.006 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

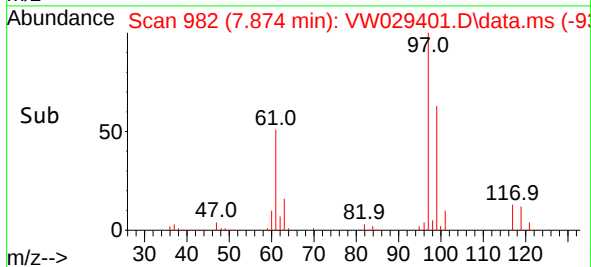
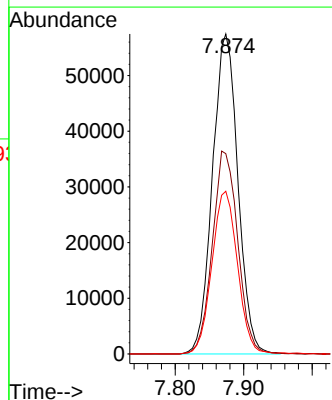
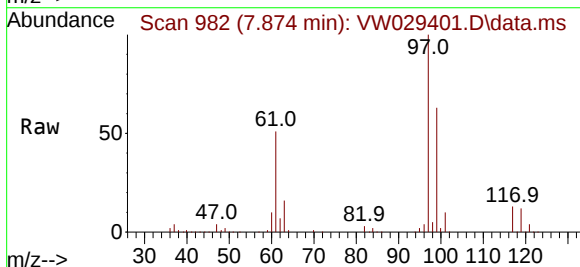
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

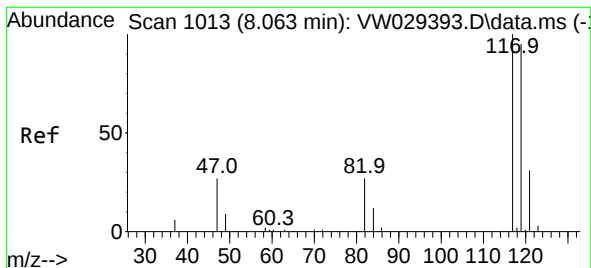
Tgt Ion: 56 Resp: 115817  
Ion Ratio Lower Upper  
56 100  
69 29.4 23.4 35.0  
84 79.1 64.5 96.7



#30  
1,1,1-Trichloroethane  
Concen: 29.978 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion: 97 Resp: 148004  
Ion Ratio Lower Upper  
97 100  
99 63.4 53.0 79.4  
61 51.2 43.0 64.4





#31

Carbon tetrachloride

Concen: 26.340 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.006 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA\_W

ClientSampleId :

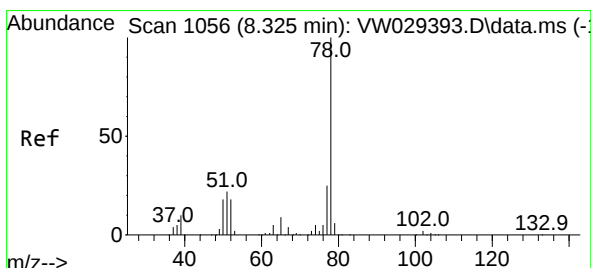
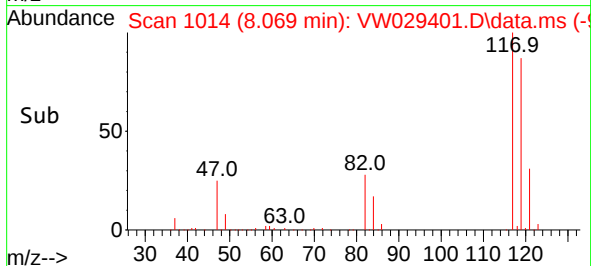
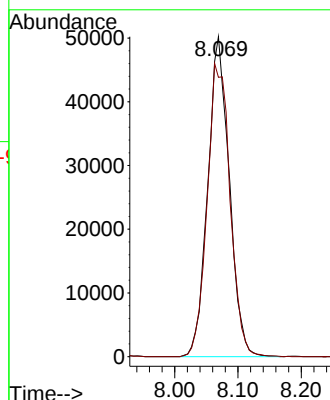
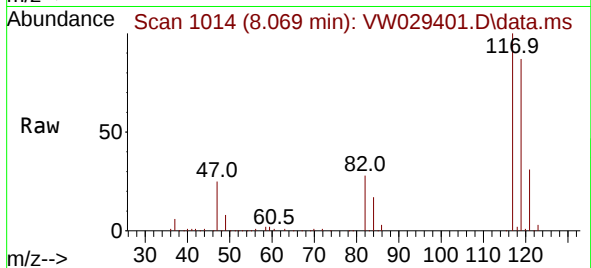
A4CD6MS

Tgt Ion:117 Resp: 118795

Ion Ratio Lower Upper

117 100

119 97.6 79.0 118.4



#33

Benzene

Concen: 28.735 ug/L

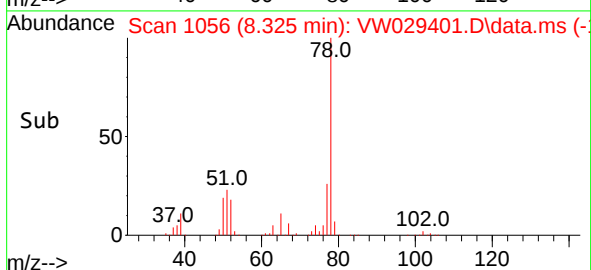
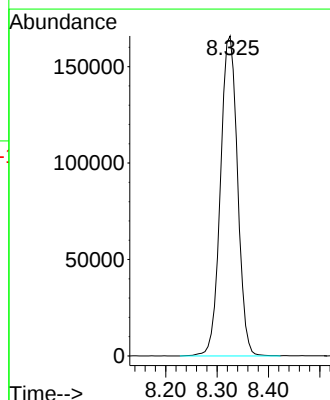
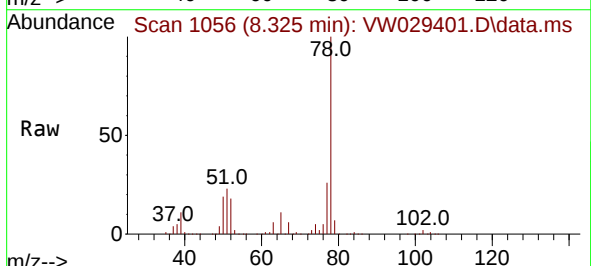
RT: 8.325 min Scan# 1056

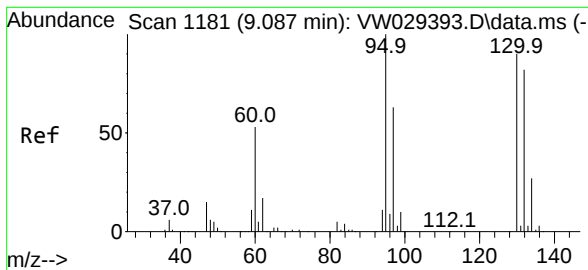
Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Tgt Ion: 78 Resp: 383342

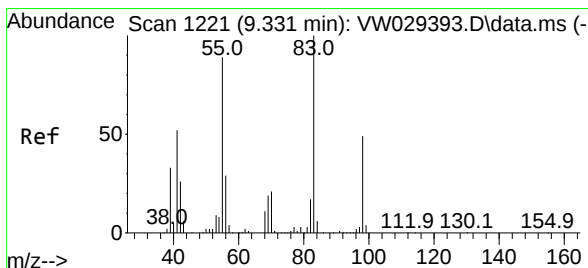
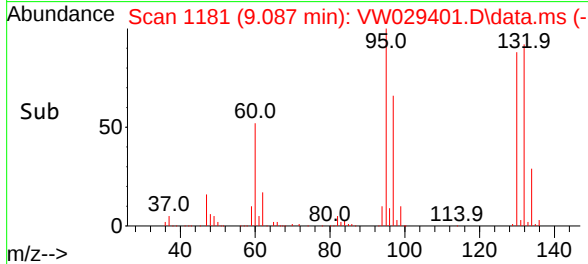
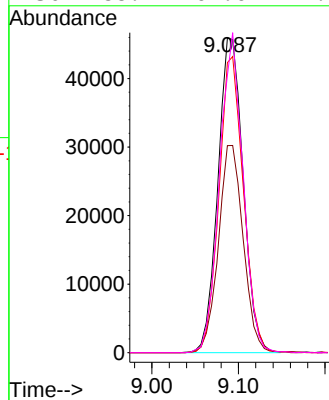
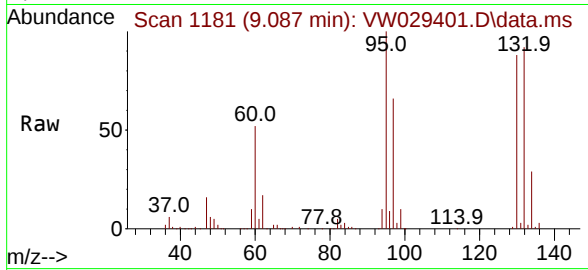




#34  
Trichloroethene  
Concen: 26.176 ug/L  
RT: 9.087 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

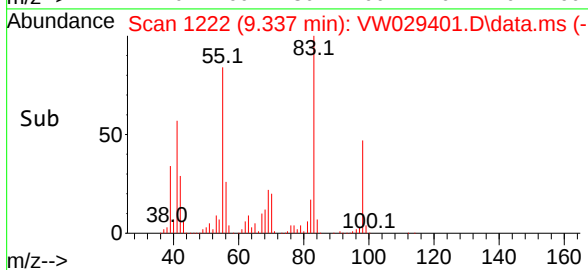
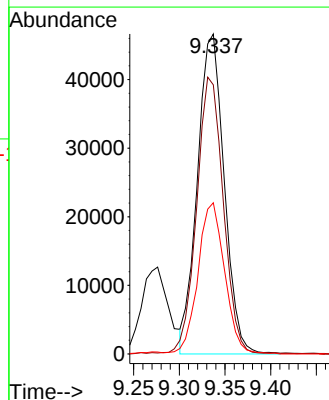
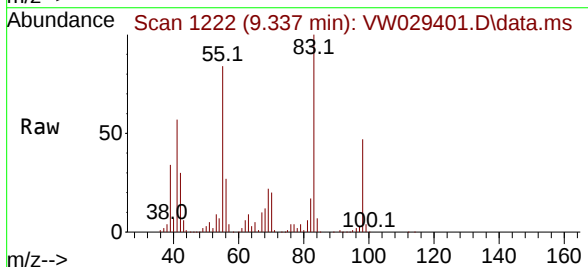
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

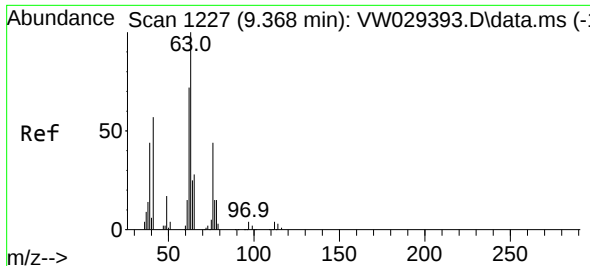
Tgt Ion: 95 Resp: 93163  
Ion Ratio Lower Upper  
95 100  
97 65.8 45.7 84.9  
132 92.2 66.4 123.4  
130 88.1 61.6 114.4



#35  
Methylcyclohexane  
Concen: 16.989 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. 0.006 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion: 83 Resp: 95093  
Ion Ratio Lower Upper  
83 100  
55 85.7 69.5 104.3  
98 47.1 38.0 57.0





#37

1,2-Dichloropropane

Concen: 29.455 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA\_W

ClientSampleId :

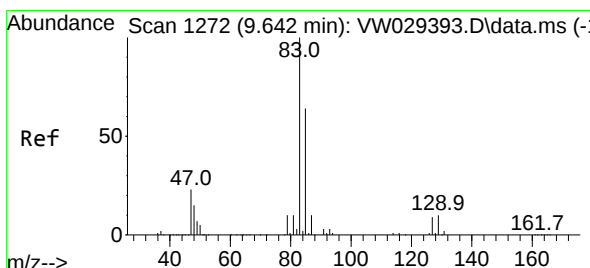
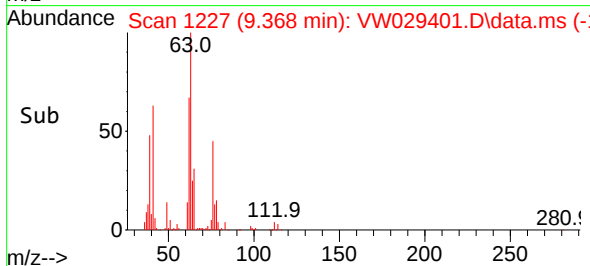
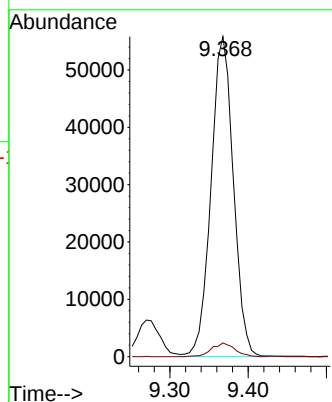
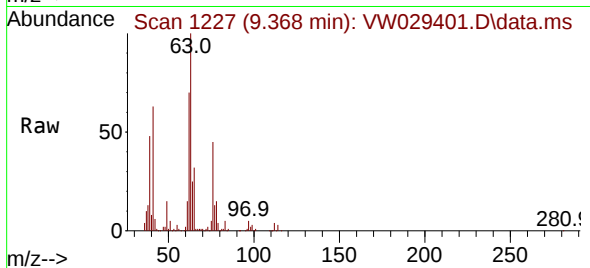
A4CD6MS

Tgt Ion: 63 Resp: 110414

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 29.124 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

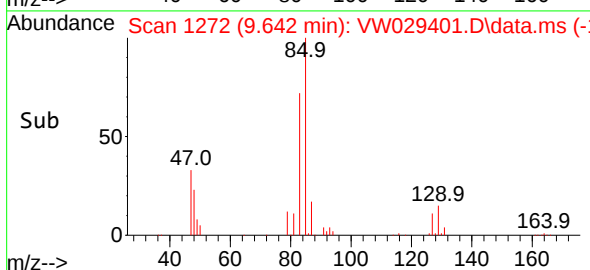
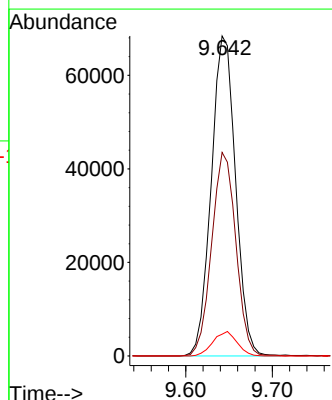
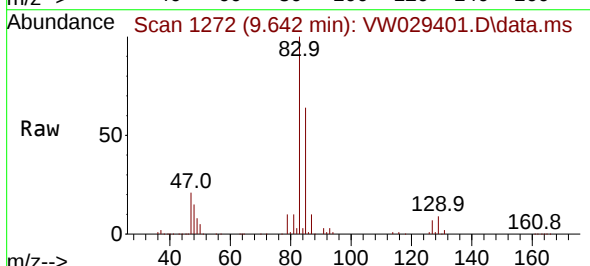
Tgt Ion: 83 Resp: 133482

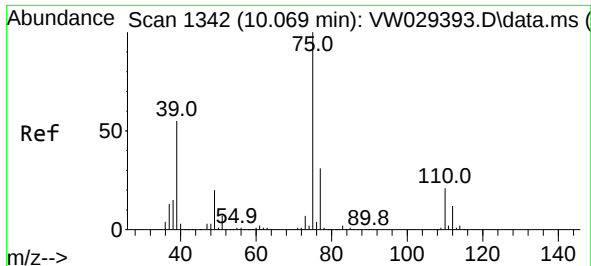
Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.9

127 6.8 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 24.136 ug/L

RT: 10.069 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA\_W

ClientSampleId :

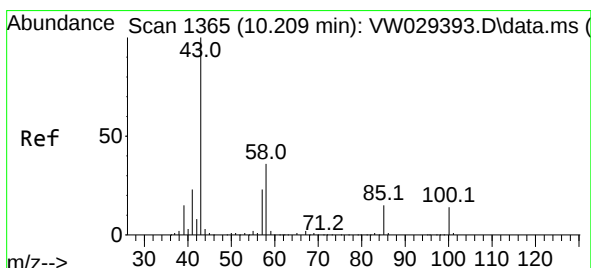
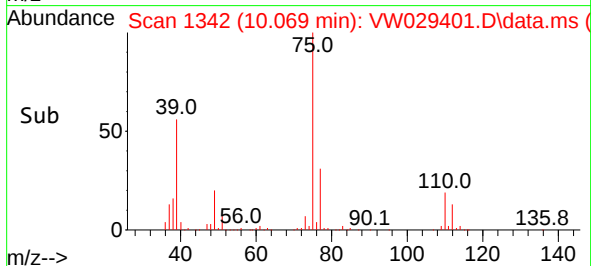
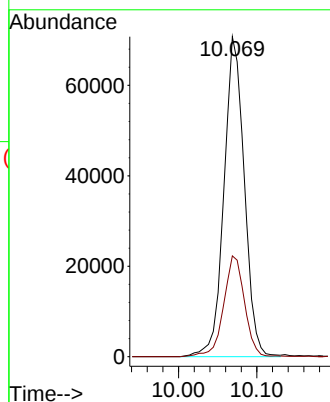
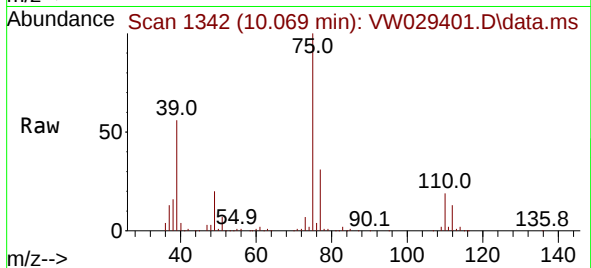
A4CD6MS

Tgt Ion: 75 Resp: 127898

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.1



#40

4-Methyl-2-pentanone

Concen: 61.252 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

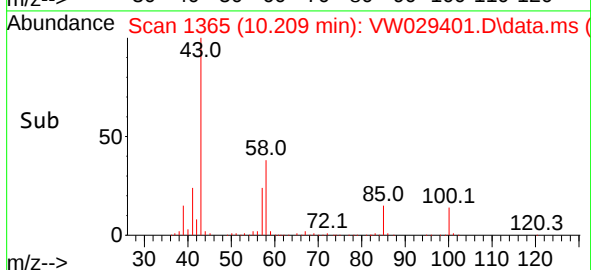
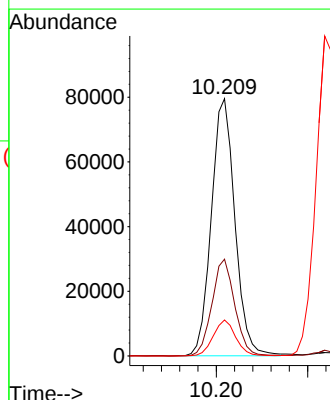
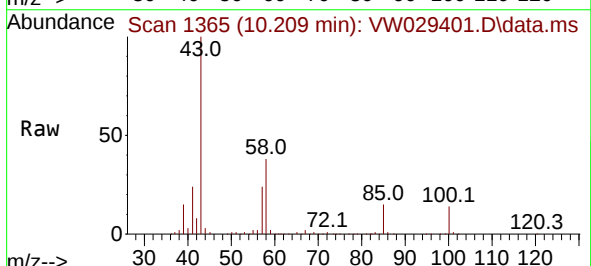
Tgt Ion: 43 Resp: 142314

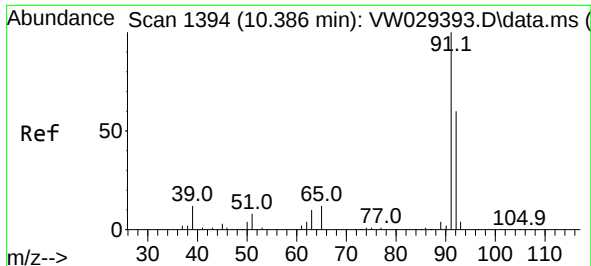
Ion Ratio Lower Upper

43 100

58 36.1 28.2 42.4

100 13.5 11.0 16.4

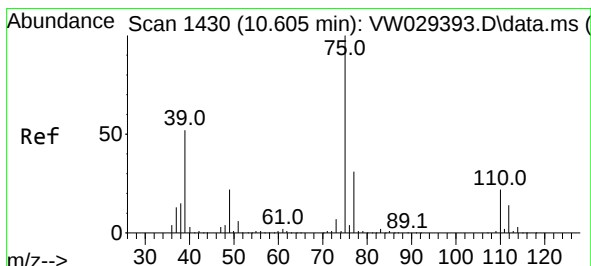
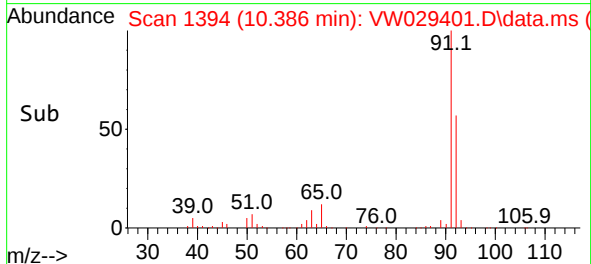
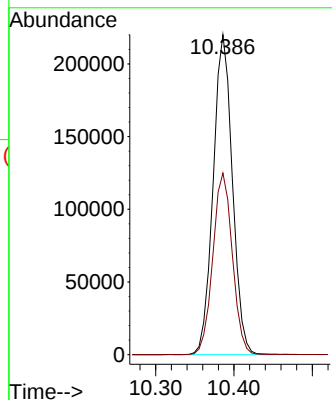
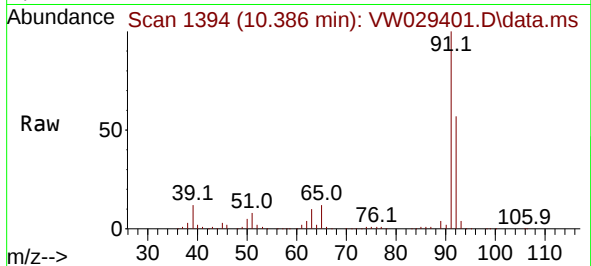




#42  
Toluene  
Concen: 27.379 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

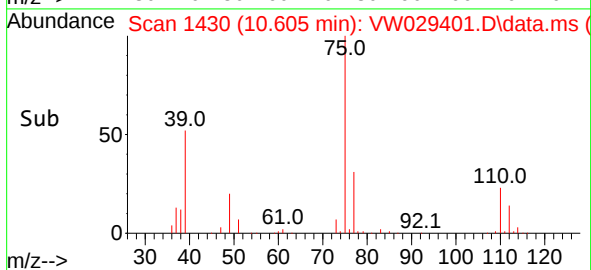
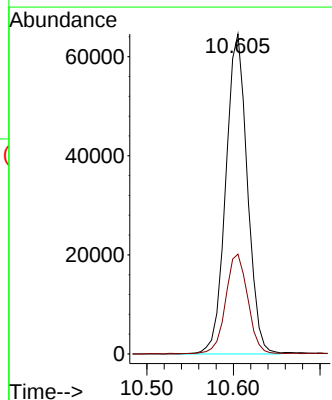
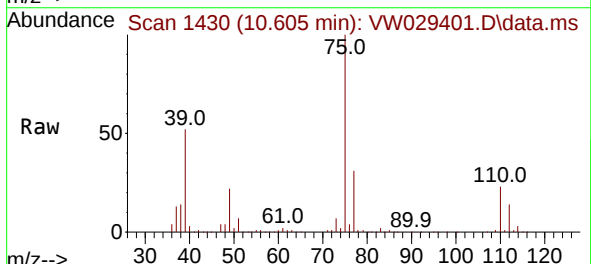
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

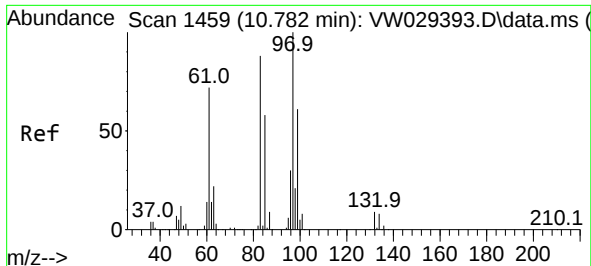
Tgt Ion: 91 Resp: 375484  
Ion Ratio Lower Upper  
91 100  
92 56.7 39.3 73.1



#44  
trans-1,3-Dichloropropene  
Concen: 24.971 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion: 75 Resp: 111731  
Ion Ratio Lower Upper  
75 100  
77 31.2 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 28.627 ug/L

RT: 10.788 min Scan# 14

Delta R.T. 0.006 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA\_W

ClientSampleId :

A4CD6MS

Tgt Ion: 97 Resp: 74739

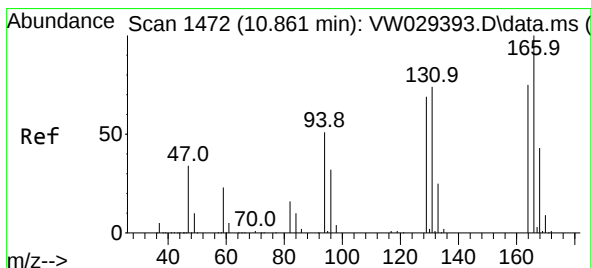
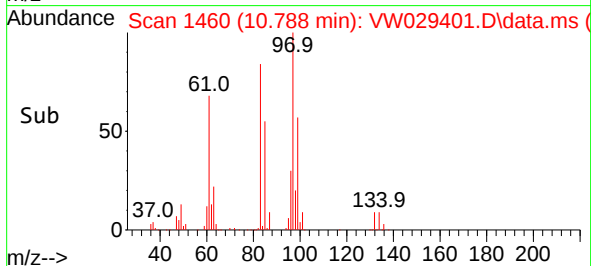
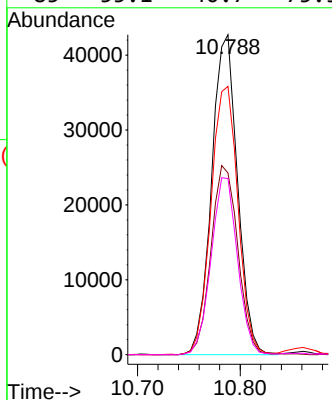
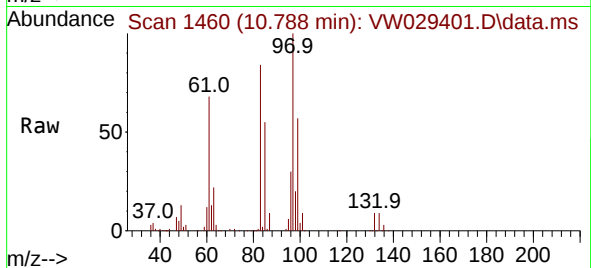
Ion Ratio Lower Upper

97 100

99 56.8 42.3 78.5

83 83.9 57.7 107.1

85 55.1 40.7 75.5



#46

Tetrachloroethene

Concen: 21.814 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Tgt Ion:164 Resp: 54273

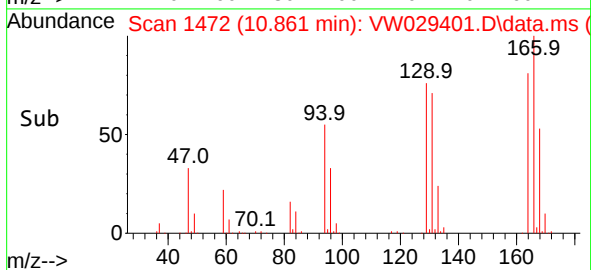
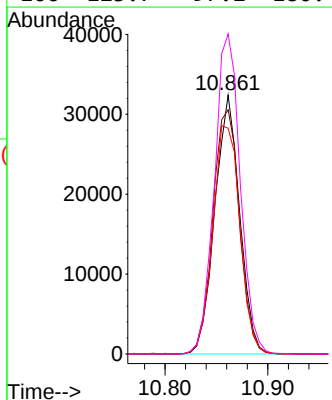
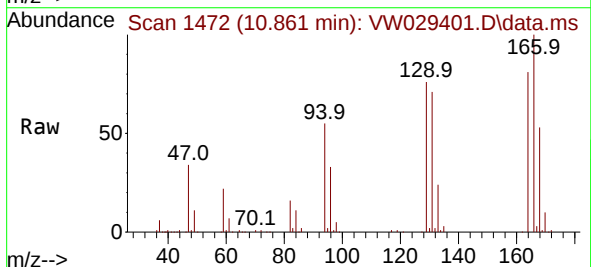
Ion Ratio Lower Upper

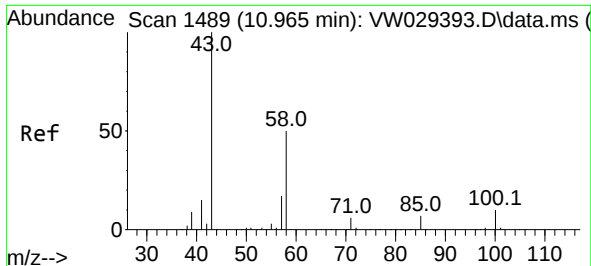
164 100

129 94.4 68.5 127.3

131 87.3 71.8 133.4

166 123.7 97.2 180.4

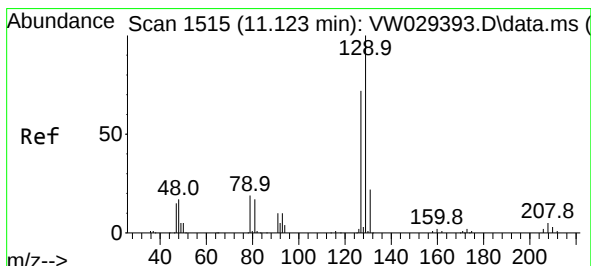
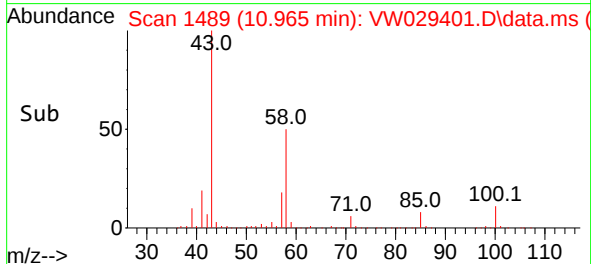
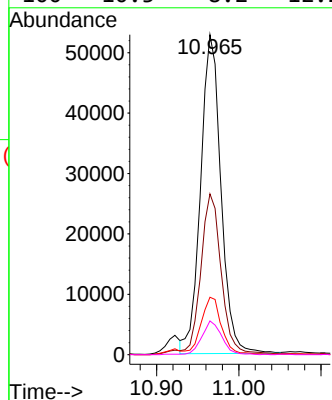
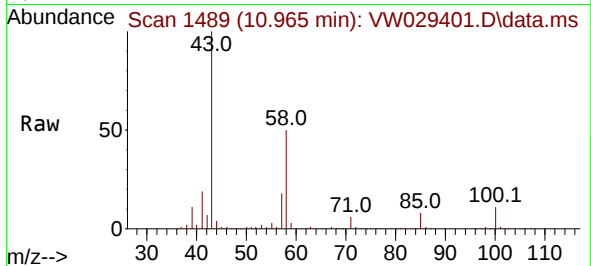




#48  
2-Hexanone  
Concen: 55.190 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

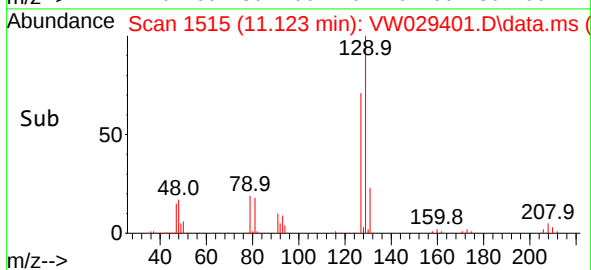
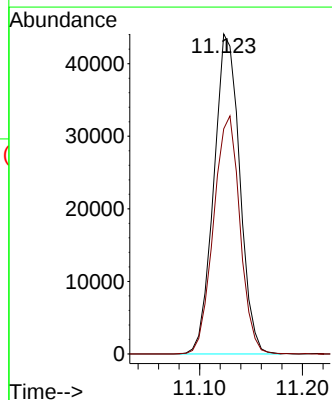
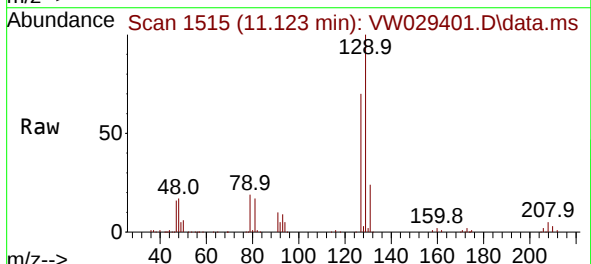
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

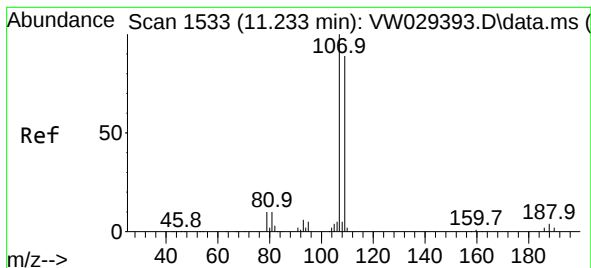
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 90988 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 50.3  | 39.6  | 59.4  |
| 57       | 18.1  | 14.6  | 21.8  |
| 100      | 10.3  | 8.2   | 12.2  |



#49  
Dibromochloromethane  
Concen: 28.298 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 77230 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 70.3  | 54.8  | 101.8 |

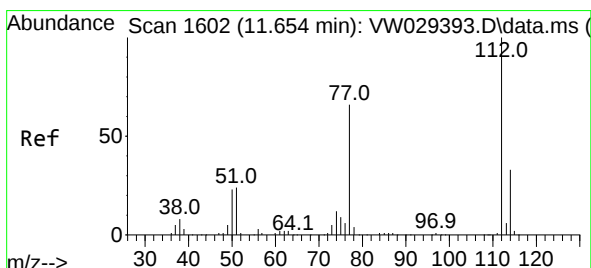
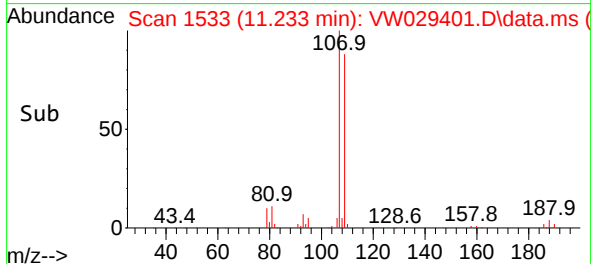
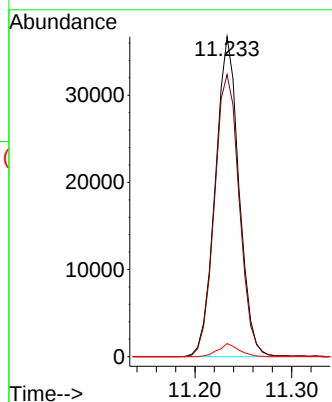
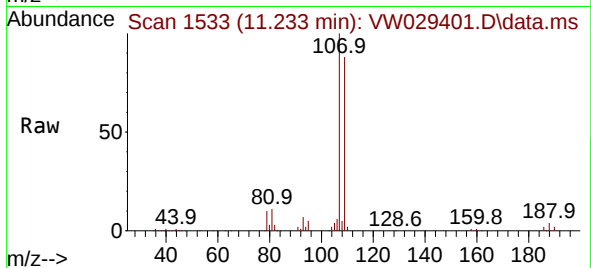




#50  
1,2-Dibromoethane  
Concen: 26.616 ug/L  
RT: 11.233 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

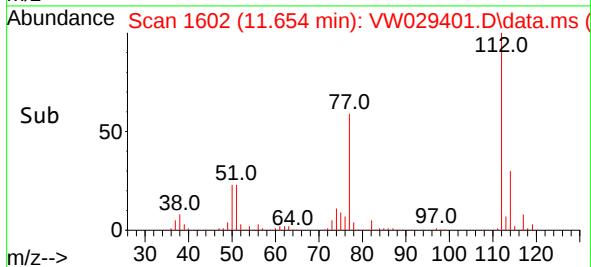
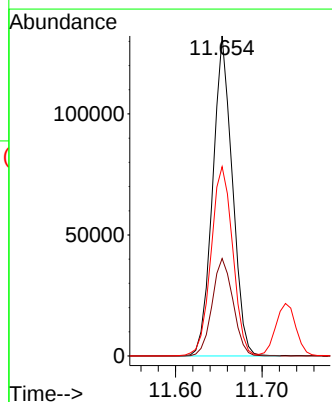
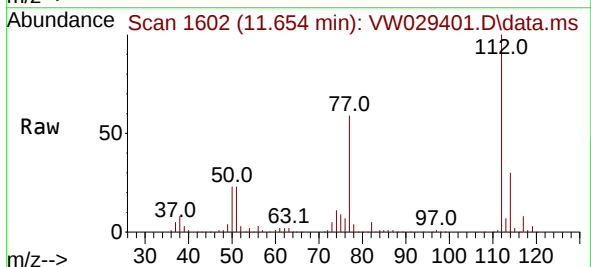
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

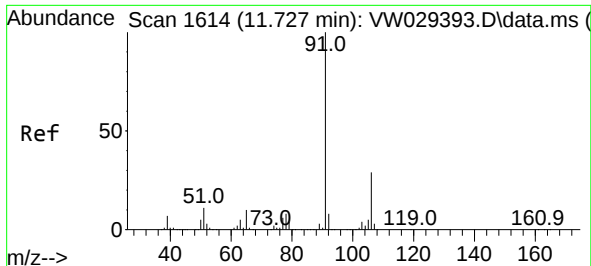
Tgt Ion:107 Resp: 62377  
Ion Ratio Lower Upper  
107 100  
109 88.1 65.5 121.6  
188 4.1 2.6 4.0#



#51  
Chlorobenzene  
Concen: 23.462 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion:112 Resp: 208954  
Ion Ratio Lower Upper  
112 100  
114 30.4 22.6 42.0  
77 59.1 51.0 76.6





#52

Ethylbenzene

Concen: 23.808 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA\_W

ClientSampleId :

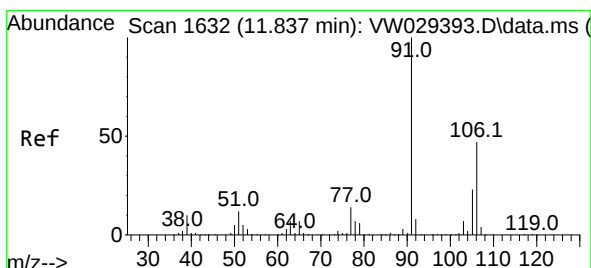
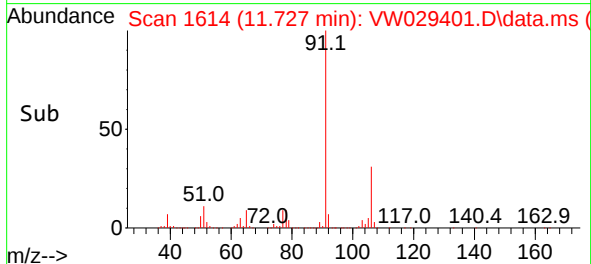
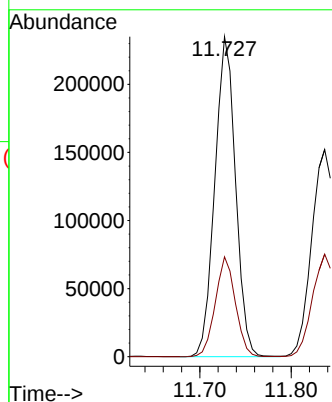
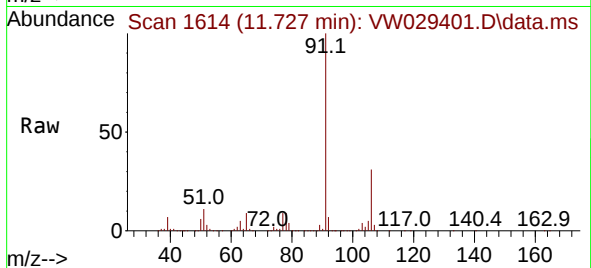
A4CD6MS

Tgt Ion: 91 Resp: 370638

Ion Ratio Lower Upper

91 100

106 31.2 19.9 37.0



#53

m,p-Xylene

Concen: 23.976 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW029401.D

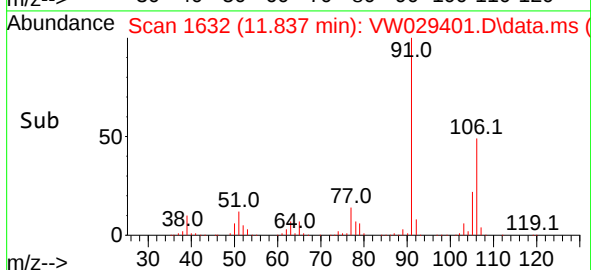
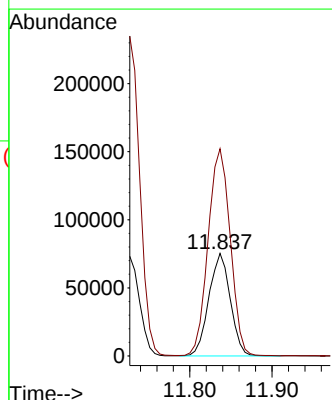
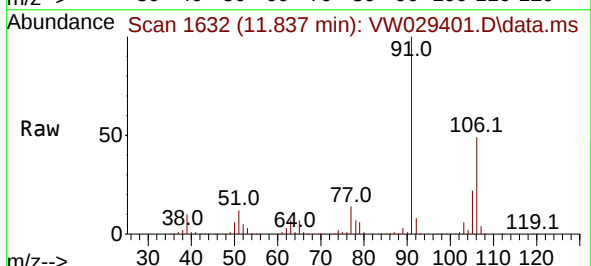
Acq: 28 Jun 2024 16:22

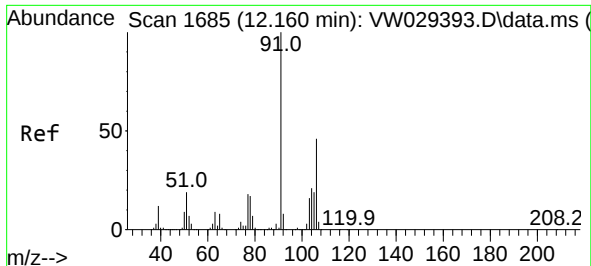
Tgt Ion: 106 Resp: 136335

Ion Ratio Lower Upper

106 100

91 202.2 140.5 260.9

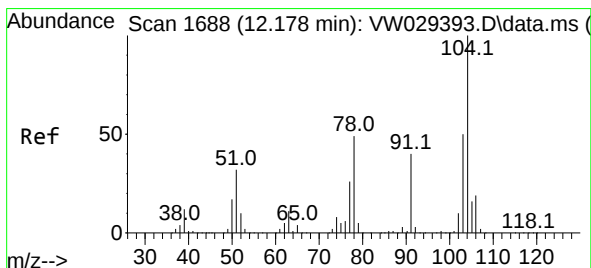
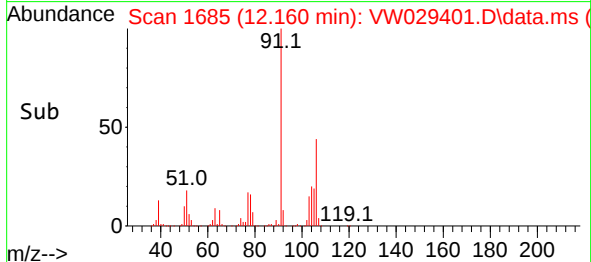
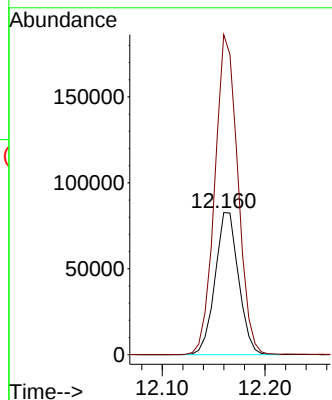
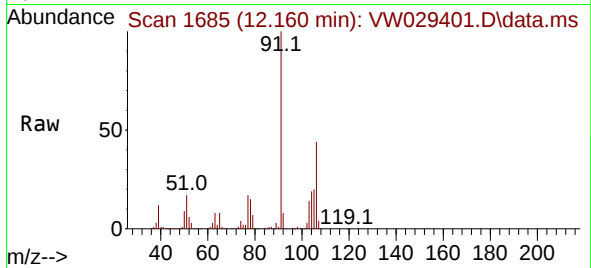




#54  
o-Xylene  
Concen: 24.710 ug/L  
RT: 12.160 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

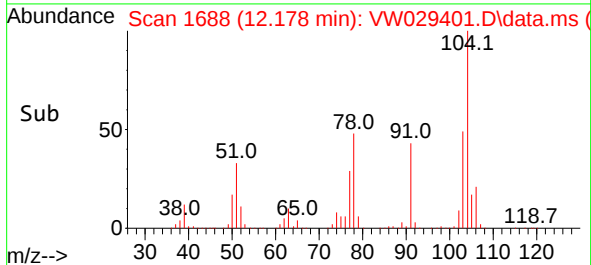
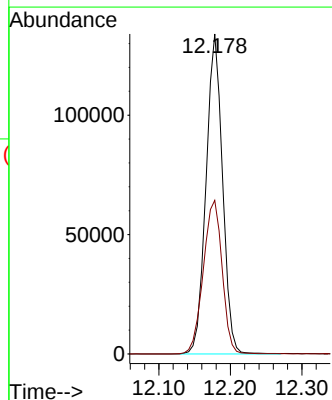
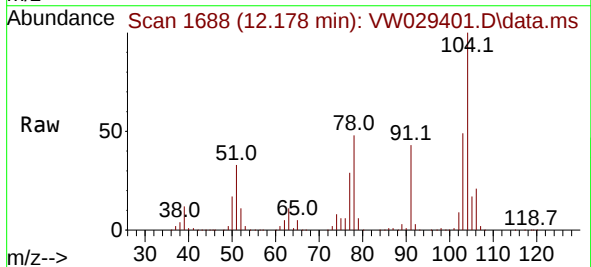
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

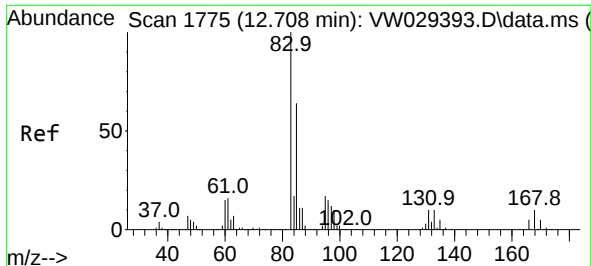
Tgt Ion:106 Resp: 131322  
Ion Ratio Lower Upper  
106 100  
91 225.2 149.9 278.5



#55  
Styrene  
Concen: 23.178 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion:104 Resp: 214766  
Ion Ratio Lower Upper  
104 100  
78 48.0 35.4 65.7





#57

1,1,2,2-Tetrachloroethane

Concen: 25.906 ug/L

RT: 12.709 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA\_W

ClientSampleId :

A4CD6MS

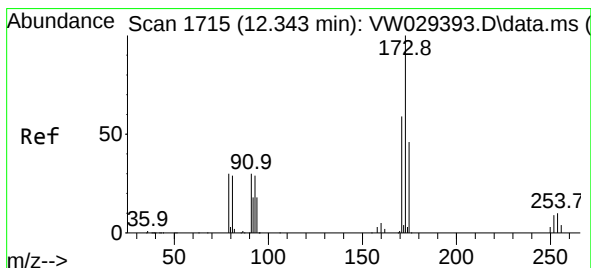
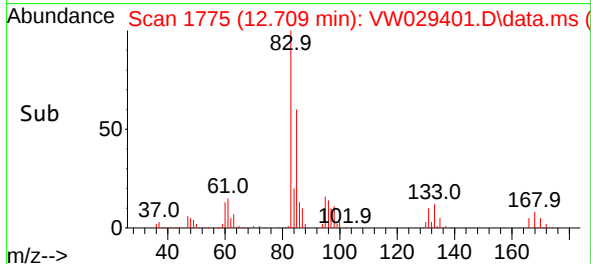
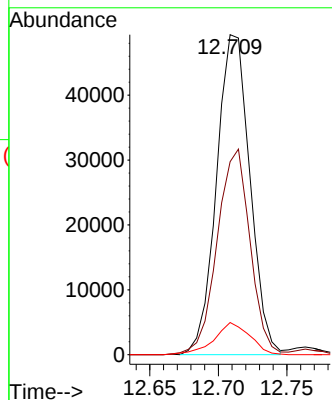
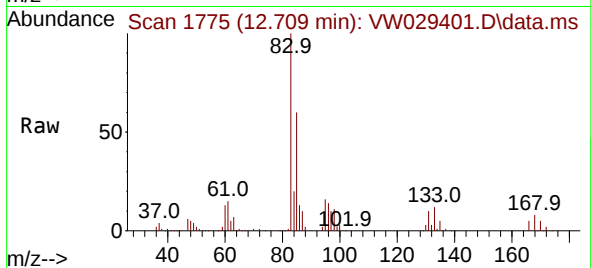
Tgt Ion: 83 Resp: 83663

Ion Ratio Lower Upper

83 100

85 60.3 45.8 85.0

131 10.0 7.8 11.6



#59

Bromoform

Concen: 36.611 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

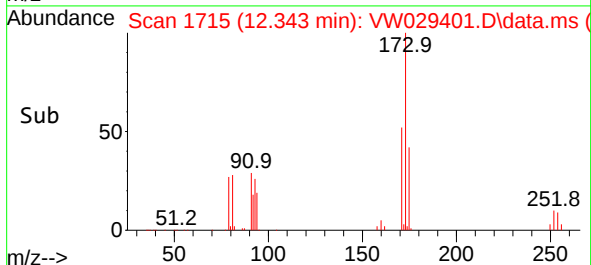
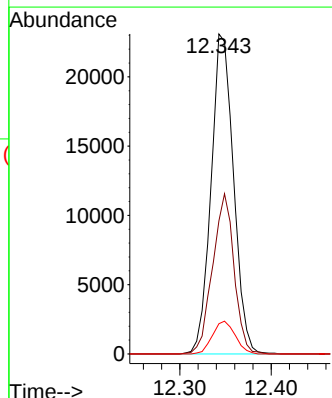
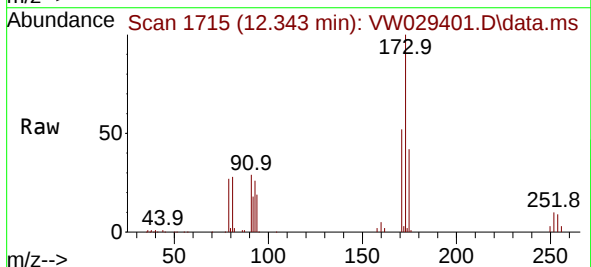
Tgt Ion:173 Resp: 39418

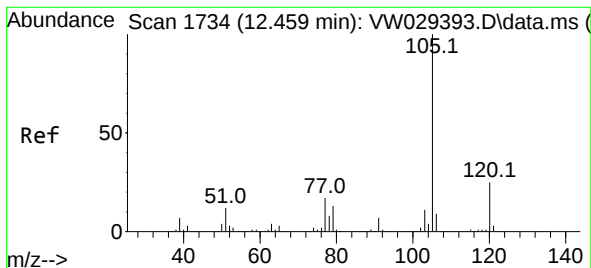
Ion Ratio Lower Upper

173 100

175 47.9 37.8 56.8

254 10.4 7.8 11.6





#60

Isopropylbenzene

Concen: 30.551 ug/L

RT: 12.459 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA\_W

ClientSampleId :

A4CD6MS

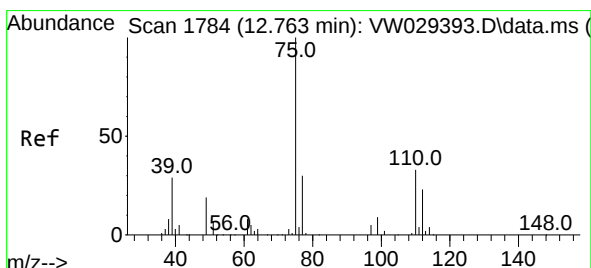
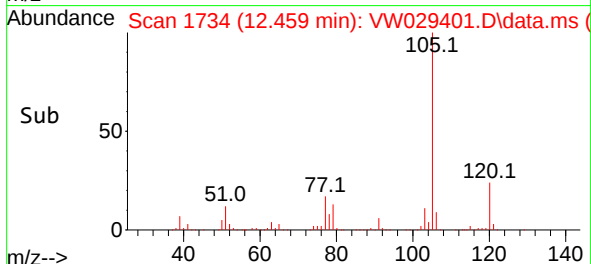
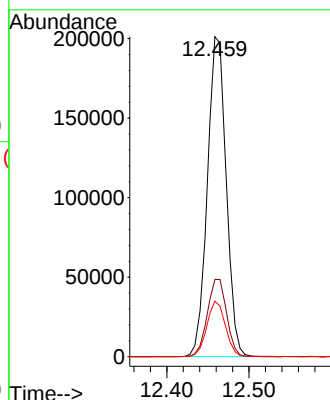
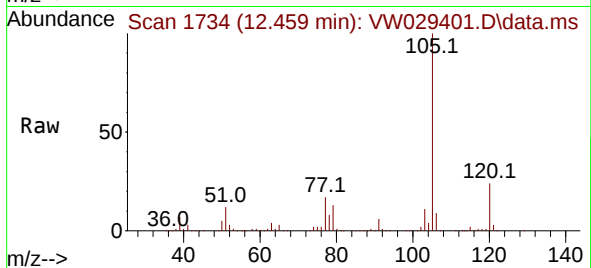
Tgt Ion:105 Resp: 319786

Ion Ratio Lower Upper

105 100

120 24.8 20.5 30.7

77 17.2 13.6 20.4



#61

1,2,3-Trichloropropane

Concen: 37.842 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

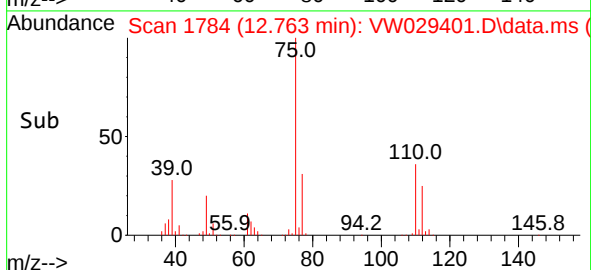
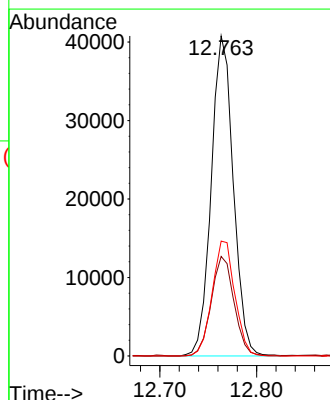
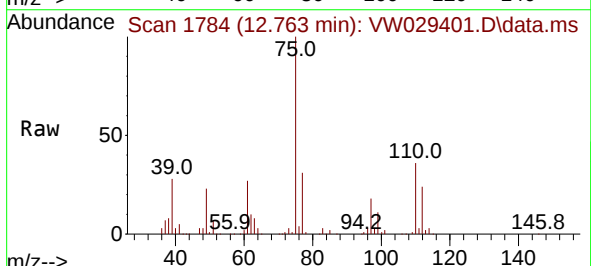
Tgt Ion: 75 Resp: 64840

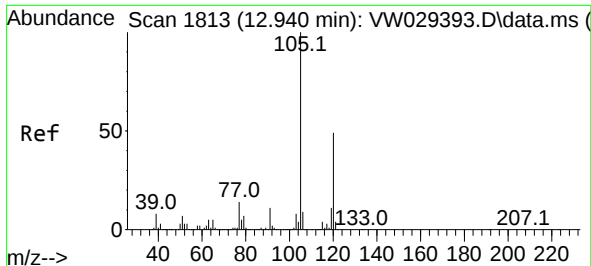
Ion Ratio Lower Upper

75 100

77 32.1 26.6 39.8

110 36.8 29.5 44.3

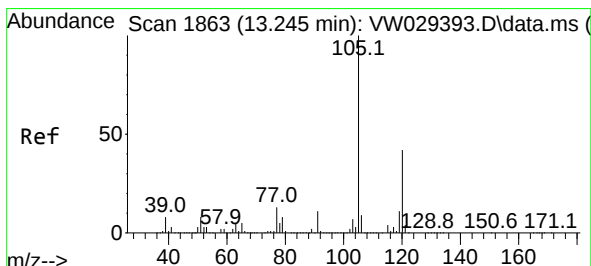
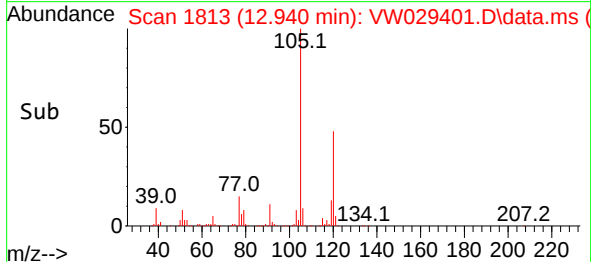
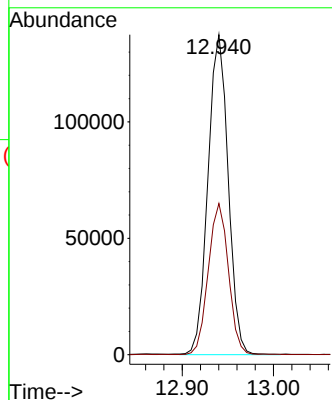
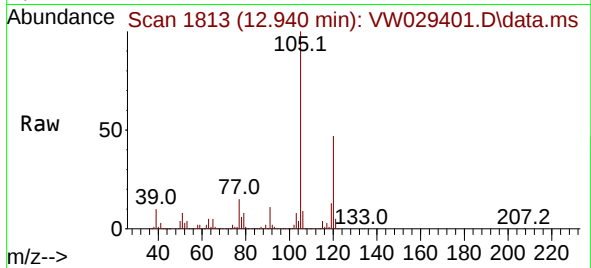




#62  
1,3,5-Trimethylbenzene  
Concen: 27.822 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

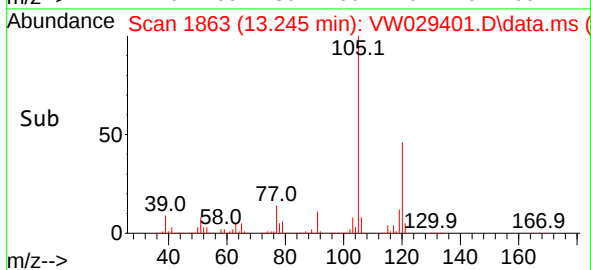
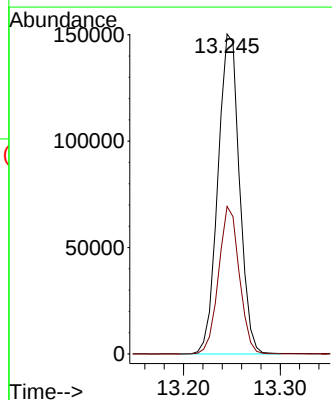
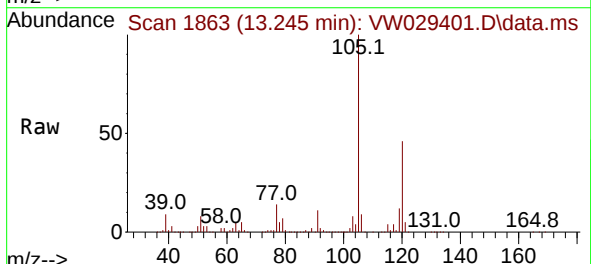
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CD6MS

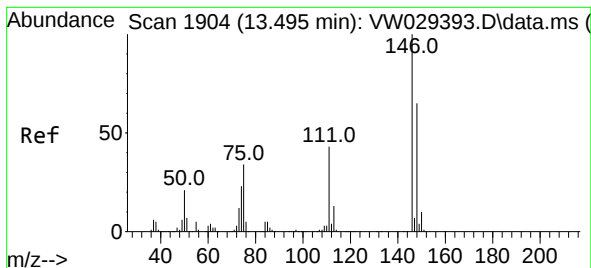
Tgt Ion:105 Resp: 210913  
Ion Ratio Lower Upper  
105 100  
120 47.0 36.4 54.6



#63  
1,2,4-Trimethylbenzene  
Concen: 28.512 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW029401.D  
Acq: 28 Jun 2024 16:22

Tgt Ion:105 Resp: 232556  
Ion Ratio Lower Upper  
105 100  
120 44.2 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 24.754 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA\_W

ClientSampleId :

A4CD6MS

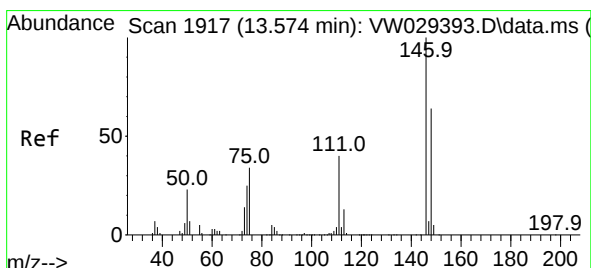
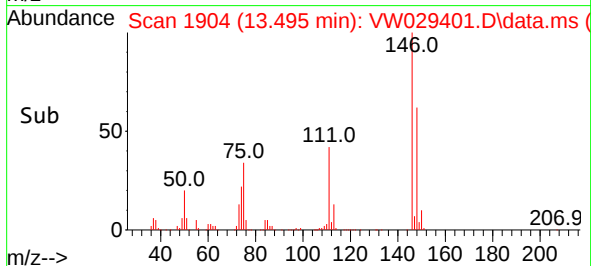
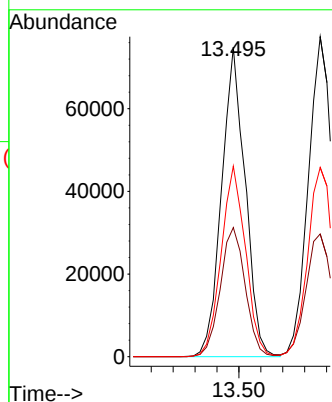
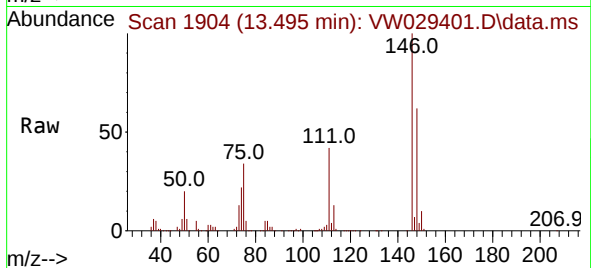
Tgt Ion:146 Resp: 112131

Ion Ratio Lower Upper

146 100

111 41.7 33.0 61.2

148 61.6 47.5 88.1



#65

1,4-Dichlorobenzene

Concen: 24.857 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

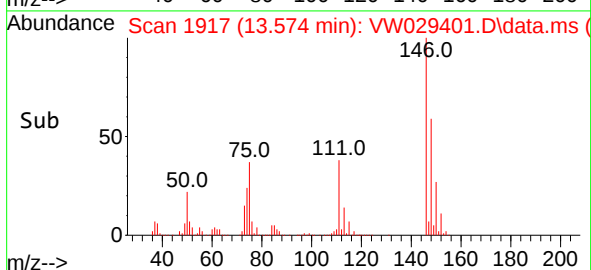
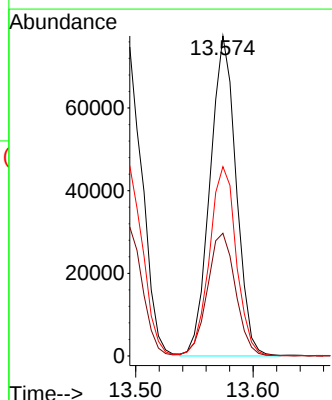
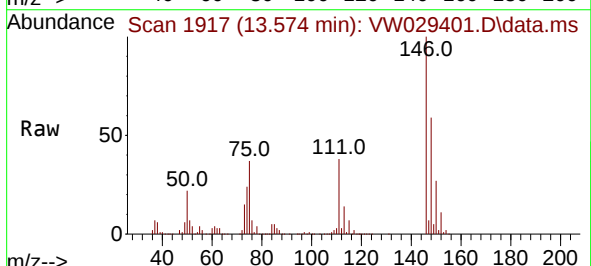
Tgt Ion:146 Resp: 119797

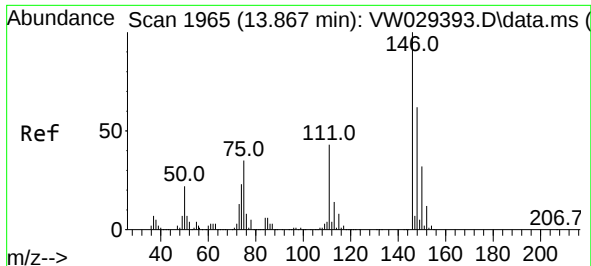
Ion Ratio Lower Upper

146 100

111 38.3 28.9 53.7

148 59.2 42.0 78.0





#67

1,2-Dichlorobenzene

Concen: 23.993 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA\_W

ClientSampleId :

A4CD6MS

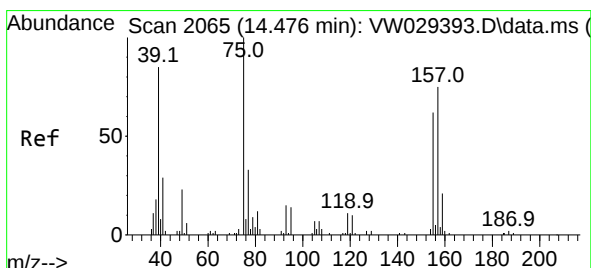
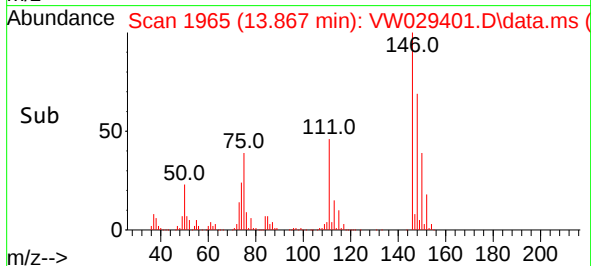
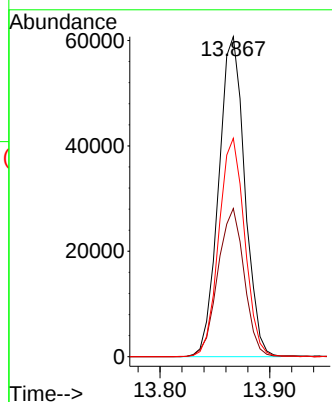
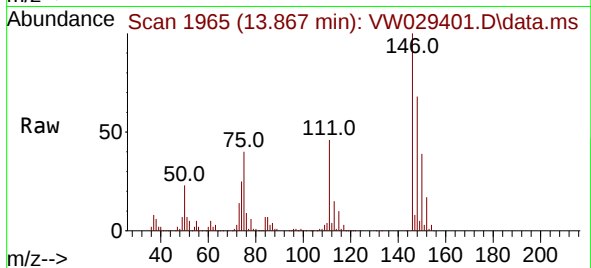
Tgt Ion:146 Resp: 100472

Ion Ratio Lower Upper

146 100

111 46.3 34.2 51.4

148 68.3 46.3 69.5



#68

1,2-Dibromo-3-chloropropane

Concen: 32.124 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

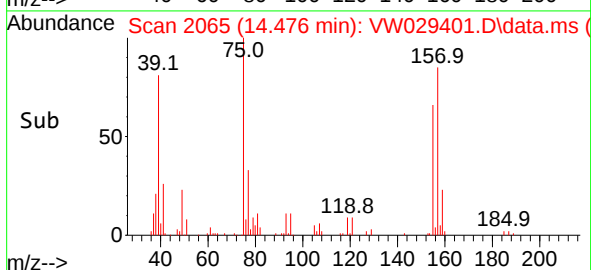
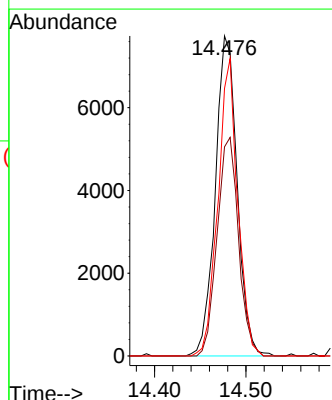
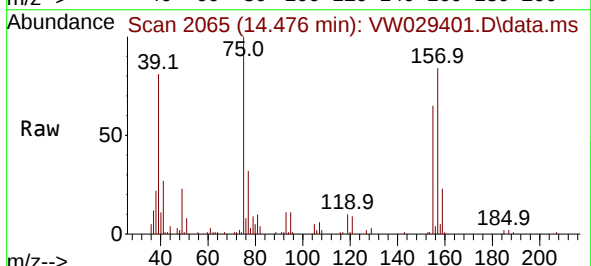
Tgt Ion: 75 Resp: 12845

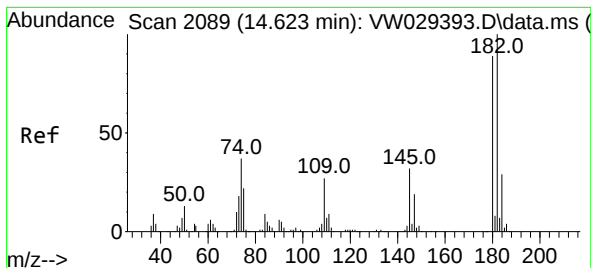
Ion Ratio Lower Upper

75 100

155 65.3 51.0 76.6

157 83.6 58.8 88.2





#69

1,3,5-Trichlorobenzene

Concen: 16.590 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA\_W

ClientSampleId :

A4CD6MS

Tgt Ion:180 Resp: 50718

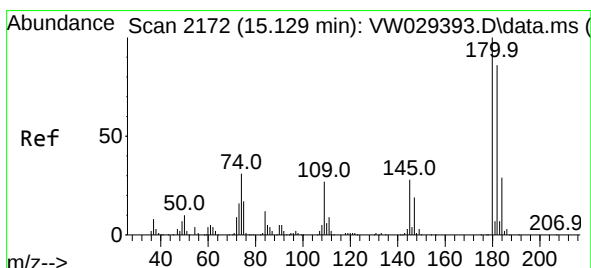
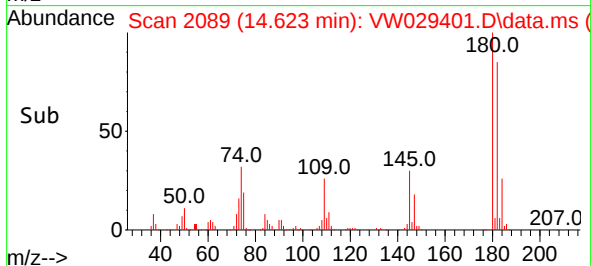
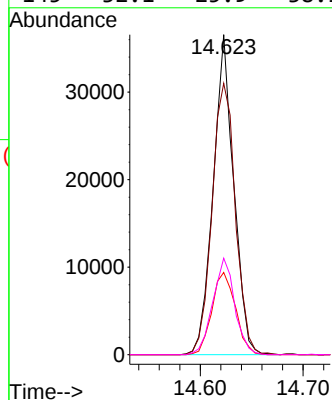
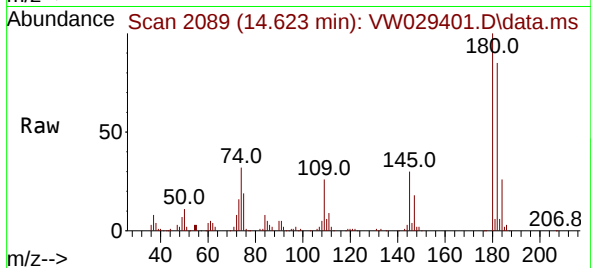
Ion Ratio Lower Upper

180 100

182 96.4 72.9 109.3

184 29.5 23.8 35.6

145 32.1 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 14.774 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

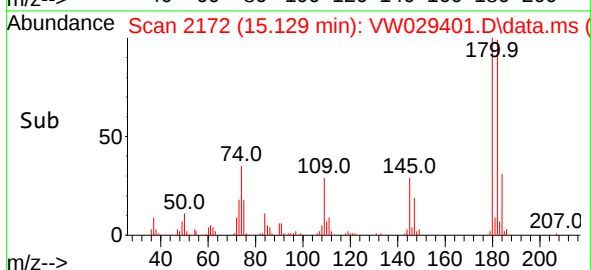
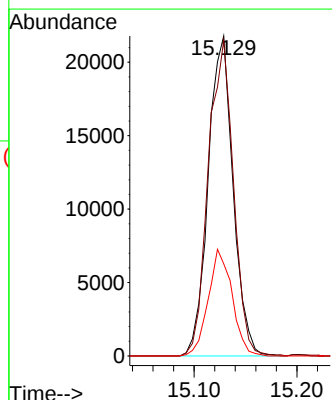
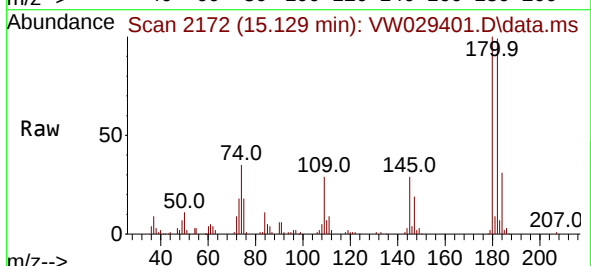
Tgt Ion:180 Resp: 36614

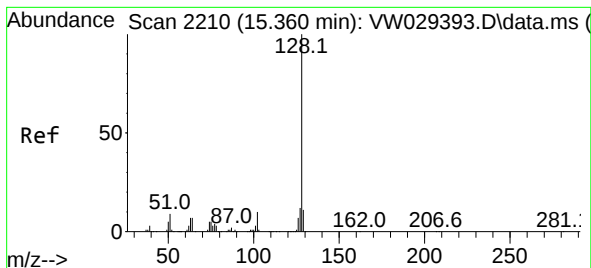
Ion Ratio Lower Upper

180 100

182 99.5 77.7 116.5

145 32.0 25.7 38.5





#71

Naphthalene

Concen: 19.750 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA\_W

ClientSampleId :

A4CD6MS

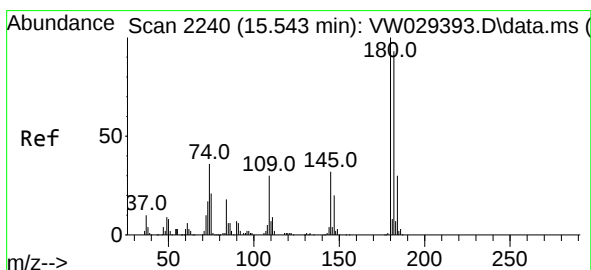
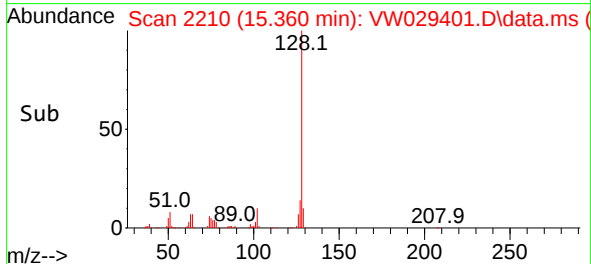
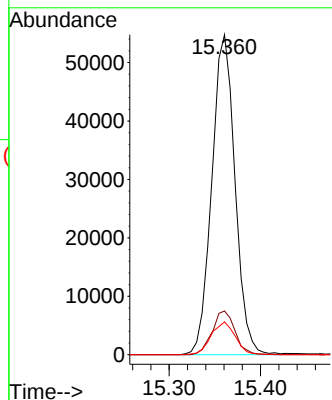
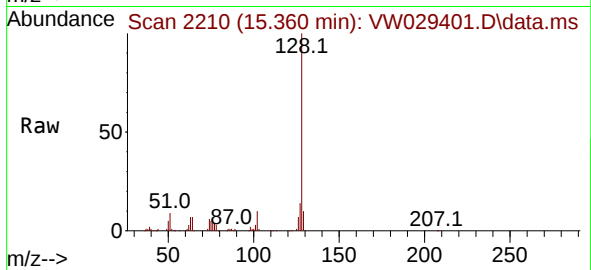
Tgt Ion:128 Resp: 96603

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 10.6 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 14.036 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Tgt Ion:180 Resp: 31694

Ion Ratio Lower Upper

180 100

182 99.6 73.0 109.6

145 34.3 28.1 42.1

