

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122024\  
 Data File : VW031454.D  
 Acq On : 21 Dec 2024 02:39  
 Operator : SY/MD  
 Sample : P5325-02MS  
 Misc : 6.28g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 YE680MS

Quant Time: Dec 21 03:42:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 20 23:42:37 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 599174   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 482592   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 184051   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.356  | 65    | 143299   | 15.895   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 63.600%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 123572   | 18.530   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 74.120%  |
| 11) 1,1-Dichloroethene-d2     | 4.015  | 65    | 60558    | 14.161   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 56.640%  |
| 21) 2-Butanone-d5             | 7.093  | 46    | 67566    | 39.796   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 79.600%  |
| 24) Chloroform-d              | 7.648  | 84    | 277189   | 16.884   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 67.520%  |
| 26) 1,2-Dichloroethane-d4     | 8.300  | 65    | 159951   | 19.400   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 77.600%  |
| 32) Benzene-d6                | 8.270  | 84    | 537150   | 17.366   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 69.480%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 168651   | 18.708   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 74.840%  |
| 41) Toluene-d8                | 10.318 | 98    | 438758   | 15.248   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 61.000%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 61380    | 14.767   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 59.080%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 51954    | 42.855   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 85.700%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 128266   | 22.661   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 90.640%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 116745   | 17.086   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 68.360%# |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.009  | 85    | 56622    | 10.456   | ug/L   | 99       |
| 3) Chloromethane              | 2.216  | 50    | 86285    | 14.184   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.369  | 62    | 112789   | 13.378   | ug/L   | 99       |
| 6) Bromomethane               | 2.789  | 94    | 83136    | 16.040   | ug/L   | 96       |
| 8) Chloroethane               | 2.930  | 64    | 80011    | 15.958   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 110029   | 12.251   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 86984    | 11.994   | ug/L # | 76       |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 113806   | 15.494   | ug/L   | 89       |
| 13) Acetone                   | 4.161  | 43    | 72400    | 30.620   | ug/L # | 100      |
| 14) Carbon disulfide          | 4.387  | 76    | 204509   | 8.537    | ug/L   | 98       |
| 15) Methyl Acetate            | 4.691  | 43    | 46257    | 17.225   | ug/L   | 95       |
| 16) Methylene chloride        | 4.911  | 84    | 118236   | 15.683   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 95816    | 12.101   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 241026   | 18.209   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 216250   | 14.616   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 123723   | 14.443   | ug/L   | 97       |
| 22) 2-Butanone                | 7.185  | 43    | 82836    | 28.914   | ug/L   | 96       |
| 23) Bromochloromethane        | 7.520  | 128   | 56763    | 16.614   | ug/L   | 85       |
| 25) Chloroform                | 7.679  | 83    | 222410   | 15.231   | ug/L   | 99       |

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 ALS Vial : 45 Sample Multiplier: 1

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 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 20 23:42:37 2024  
 Response via : Initial Calibration

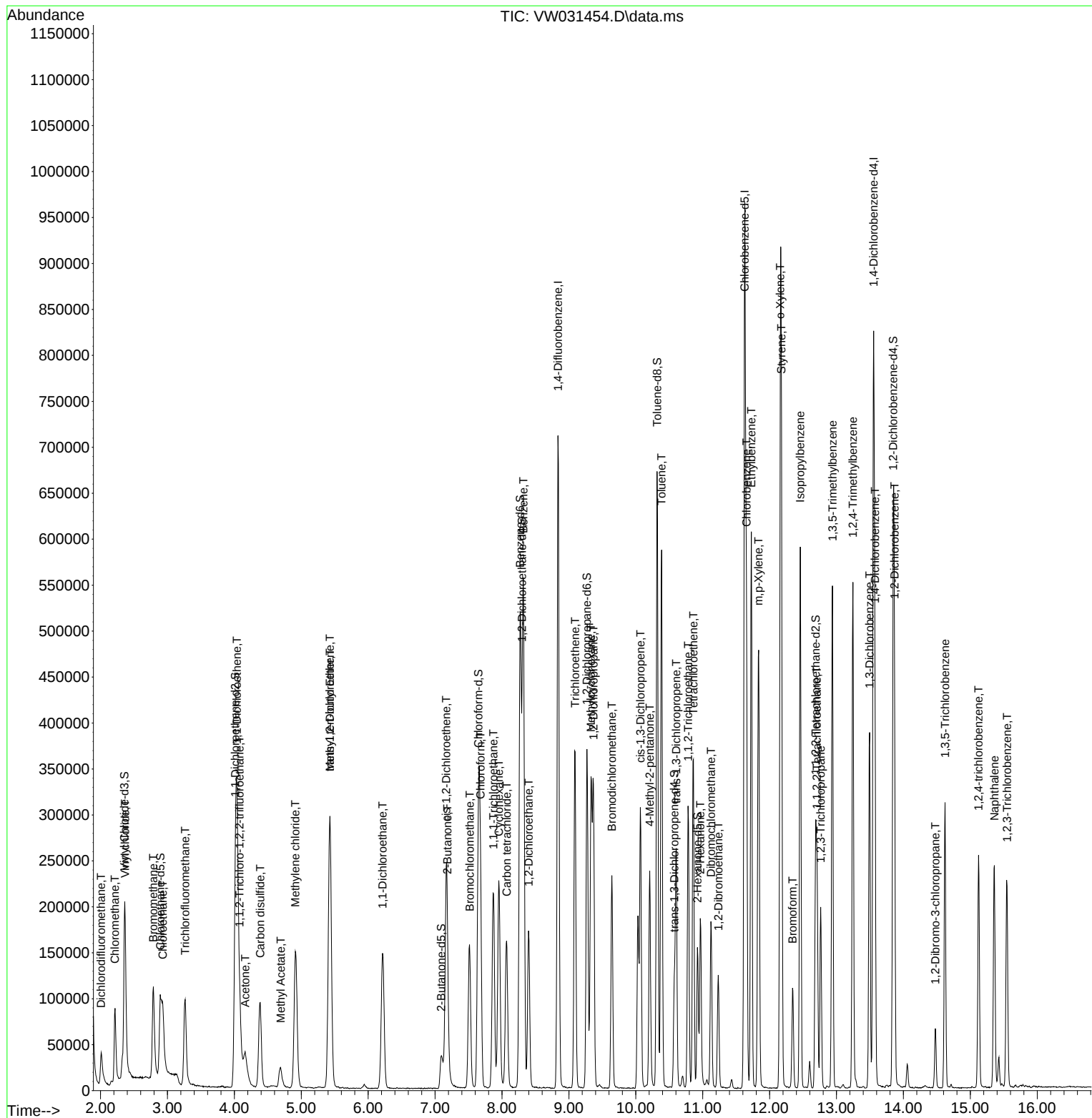
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 159490   | 17.373 | ug/L  | 98       |
| 29) Cyclohexane               | 7.953  | 56   | 128552   | 9.822  | ug/L  | 95       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 174934   | 14.024 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 121960   | 10.975 | ug/L  | 99       |
| 33) Benzene                   | 8.319  | 78   | 440434   | 14.768 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 129467   | 15.377 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.331  | 83   | 138482   | 9.444  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 121787   | 16.370 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 154696   | 15.994 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.068 | 75   | 177079   | 14.085 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 153989   | 39.013 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 427412   | 13.163 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 140023   | 13.640 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 94578    | 19.112 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.861 | 164  | 79837    | 12.945 | ug/L  | 88       |
| 48) 2-Hexanone                | 10.965 | 43   | 116727   | 34.771 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.123 | 129  | 92657    | 15.796 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 84729    | 18.074 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 262506   | 12.894 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 419803   | 11.156 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.836 | 106  | 157410   | 10.988 | ug/L  | 92       |
| 54) o-Xylene                  | 12.160 | 106  | 163177   | 12.086 | ug/L  | 95       |
| 55) Styrene                   | 12.178 | 104  | 275784   | 12.280 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 106805   | 20.021 | ug/L  | 98       |
| 59) Bromoform                 | 12.342 | 173  | 48429    | 18.730 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 371113   | 12.321 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 80532    | 25.570 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 296239   | 11.601 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 293474   | 11.891 | ug/L  | 96       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 152259   | 12.477 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 156151   | 12.915 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 163858   | 15.584 | ug/L  | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 15883    | 19.873 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 91795    | 10.741 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.122 | 180  | 74649    | 10.500 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 209470   | 16.806 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 72167    | 12.599 | ug/L  | 93       |

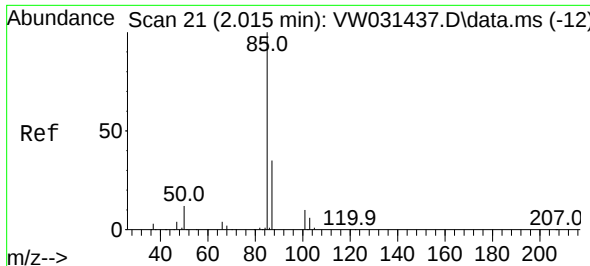
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 20 23:42:37 2024  
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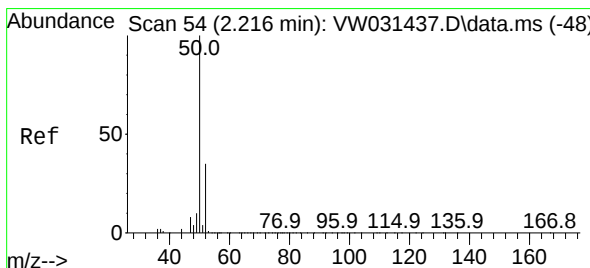
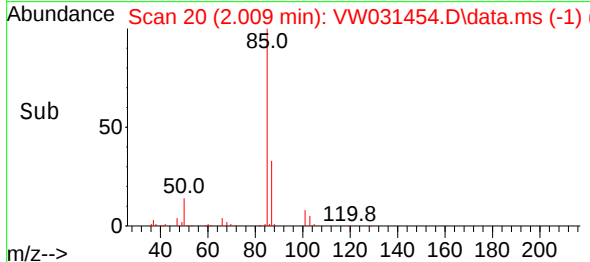
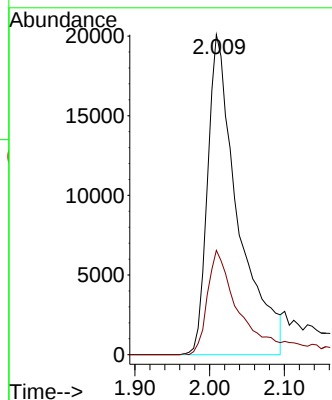
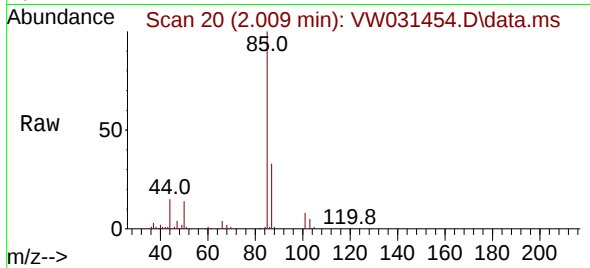




#2  
 Dichlorodifluoromethane  
 Concen: 10.456 ug/L  
 RT: 2.009 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: VW031454.D  
 Acq: 21 Dec 2024 02:39

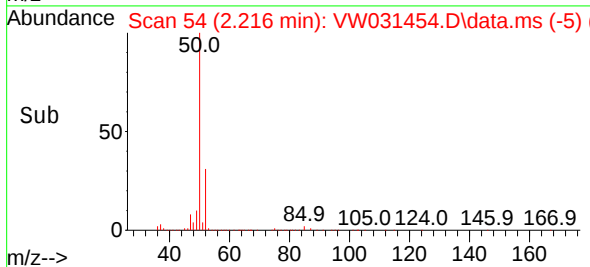
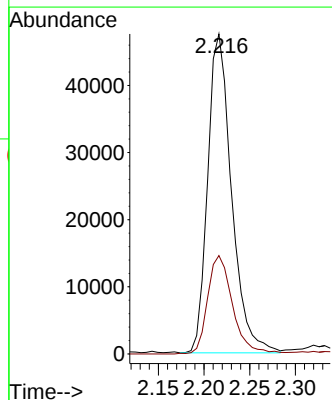
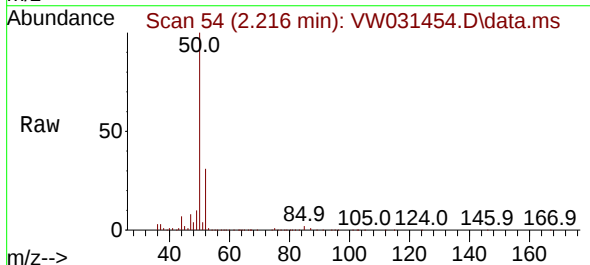
Instrument :  
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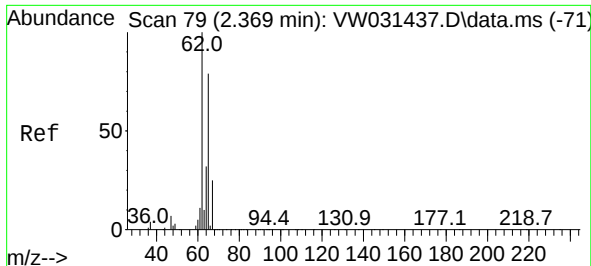
Tgt Ion: 85 Resp: 56622  
 Ion Ratio Lower Upper  
 85 100  
 87 30.4 24.9 37.3



#3  
 Chloromethane  
 Concen: 14.184 ug/L  
 RT: 2.216 min Scan# 54  
 Delta R.T. -0.000 min  
 Lab File: VW031454.D  
 Acq: 21 Dec 2024 02:39

Tgt Ion: 50 Resp: 86285  
 Ion Ratio Lower Upper  
 50 100  
 52 30.8 22.0 41.0

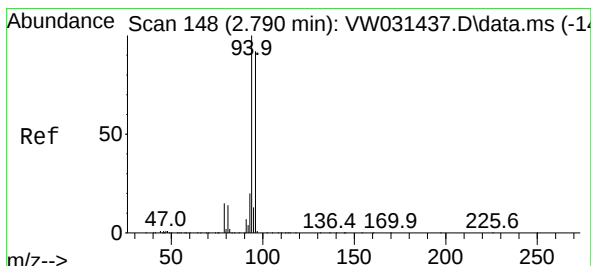
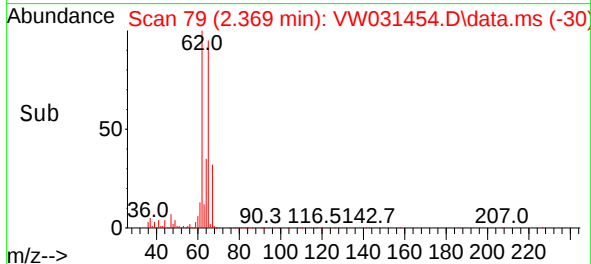
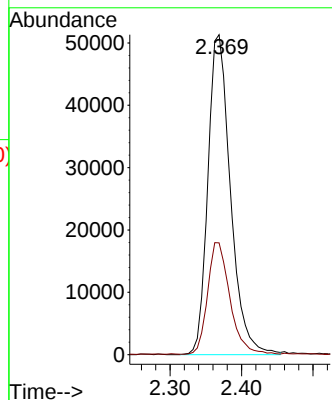
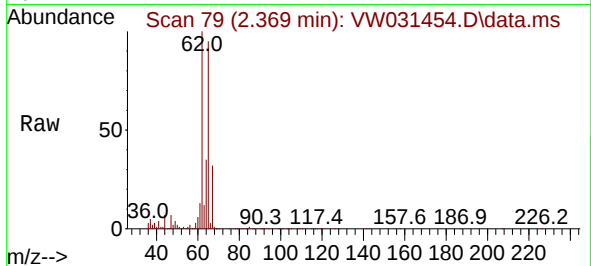




#5  
 Vinyl chloride  
 Concen: 13.378 ug/L  
 RT: 2.369 min Scan# 79  
 Delta R.T. -0.000 min  
 Lab File: VW031454.D  
 Acq: 21 Dec 2024 02:39

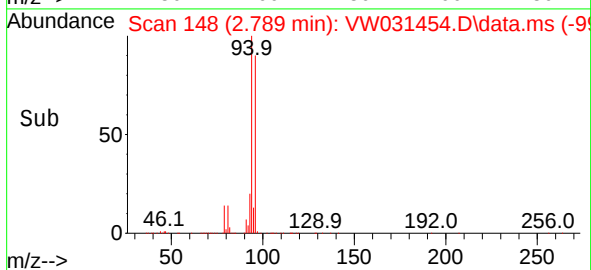
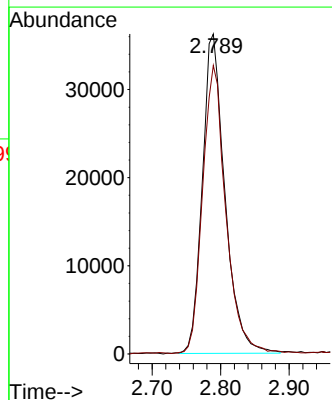
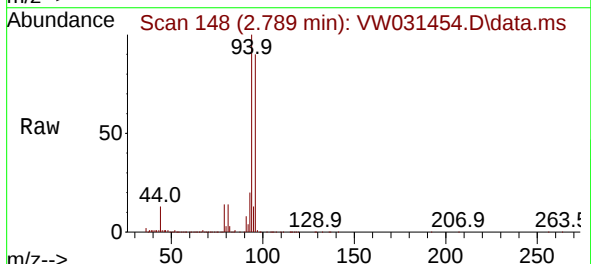
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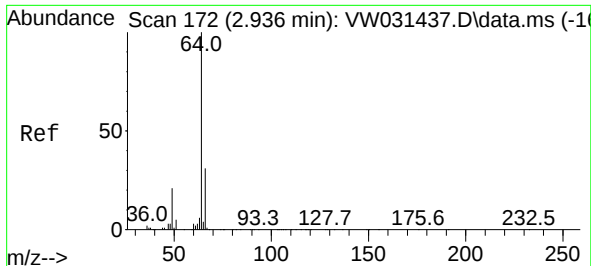
Tgt Ion: 62 Resp: 112789  
 Ion Ratio Lower Upper  
 62 100  
 64 35.0 24.1 44.8



#6  
 Bromomethane  
 Concen: 16.040 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VW031454.D  
 Acq: 21 Dec 2024 02:39

Tgt Ion: 94 Resp: 83136  
 Ion Ratio Lower Upper  
 94 100  
 96 90.2 65.6 121.8

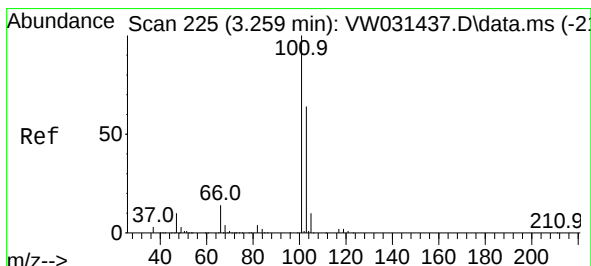
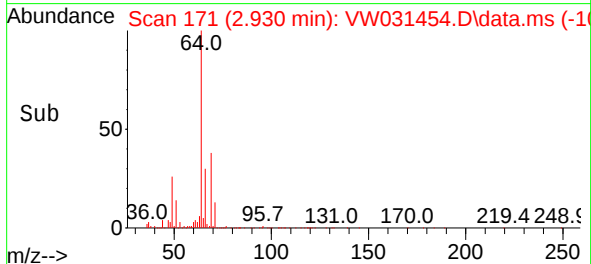
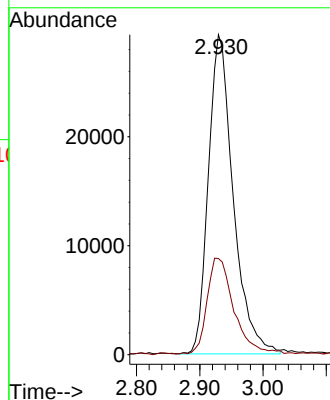
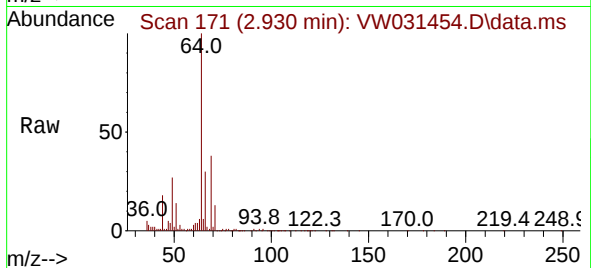




#8  
Chloroethane  
Concen: 15.958 ug/L  
RT: 2.930 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW031454.D  
Acq: 21 Dec 2024 02:39

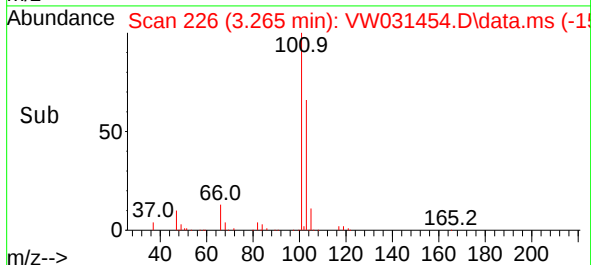
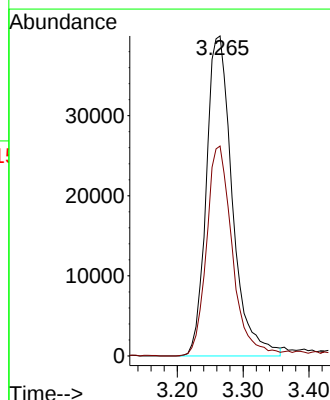
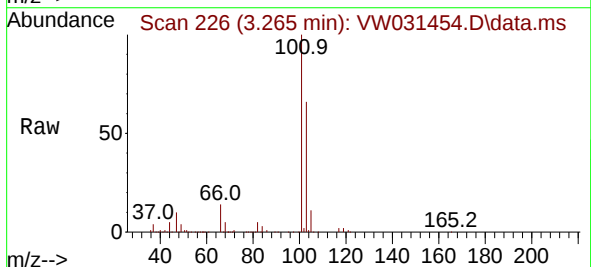
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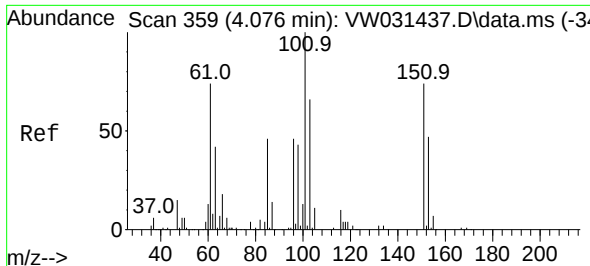
Tgt Ion: 64 Resp: 80011  
Ion Ratio Lower Upper  
64 100  
66 30.0 22.7 42.3



#9  
Trichlorofluoromethane  
Concen: 12.251 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. 0.006 min  
Lab File: VW031454.D  
Acq: 21 Dec 2024 02:39

Tgt Ion:101 Resp: 110029  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 11.994 ug/L

RT: 4.076 min Scan# 359

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

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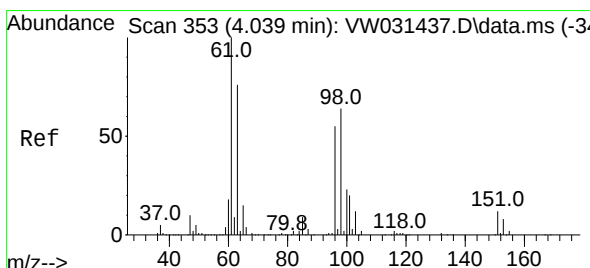
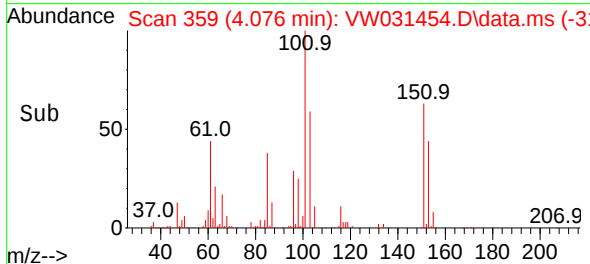
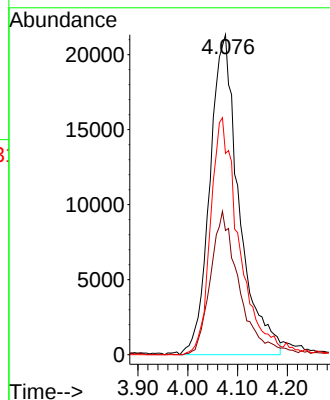
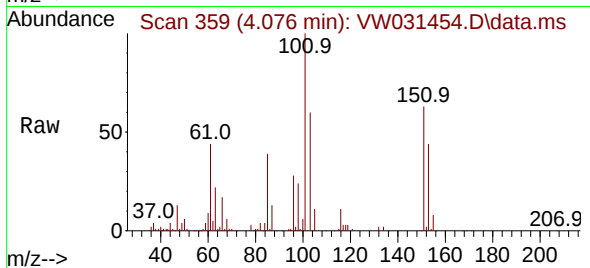
Tgt Ion:101 Resp: 86984

Ion Ratio Lower Upper

101 100

85 42.0 33.0 49.4

151 38.4 54.8 82.2#



#12

1,1-Dichloroethene

Concen: 15.494 ug/L

RT: 4.039 min Scan# 353

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

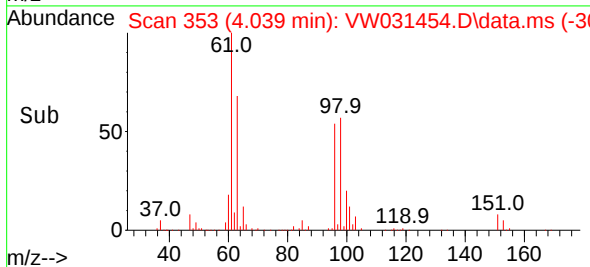
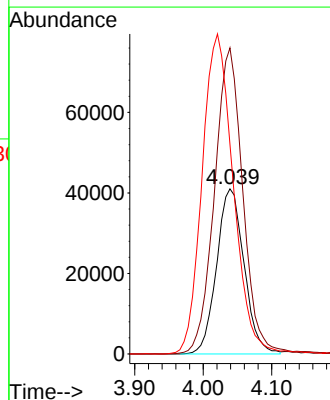
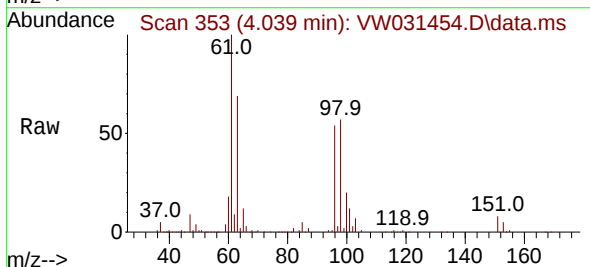
Tgt Ion: 96 Resp: 113806

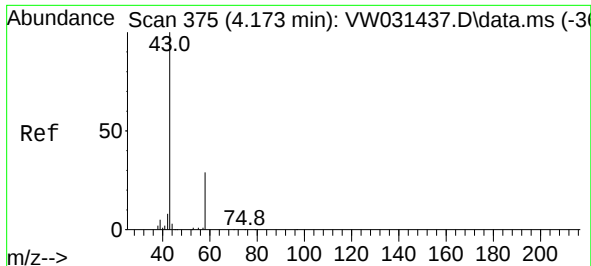
Ion Ratio Lower Upper

96 100

61 185.3 125.3 232.7

63 127.0 104.6 194.2

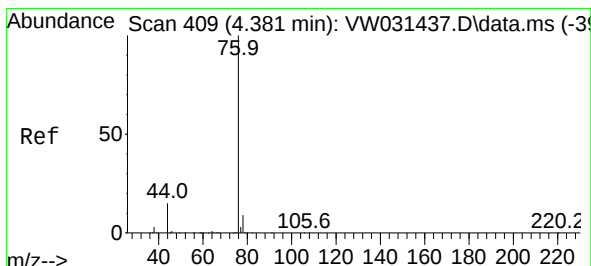
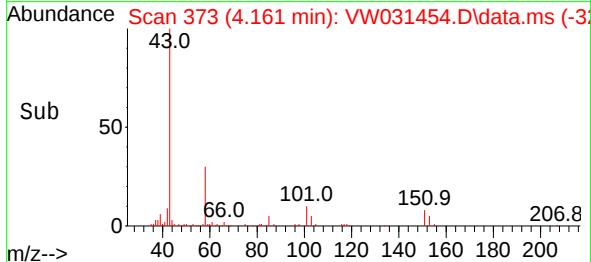
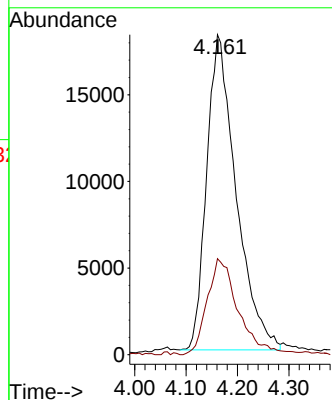
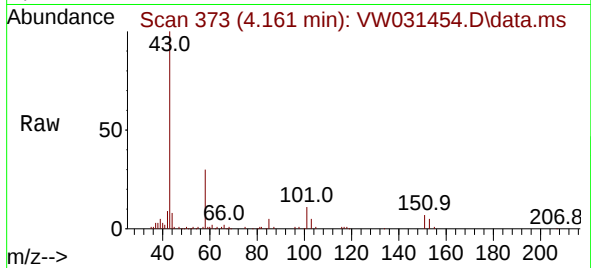




#13  
Acetone  
Concen: 30.620 ug/L  
RT: 4.161 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: VW031454.D  
Acq: 21 Dec 2024 02:39

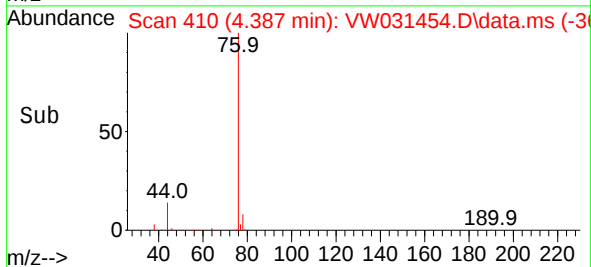
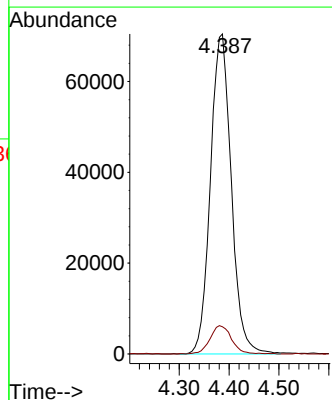
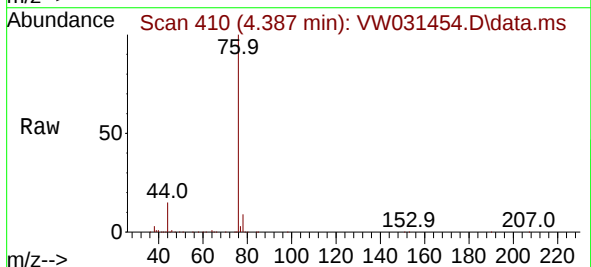
Instrument :  
MSVOA\_W  
ClientSampleId :  
YE680MS

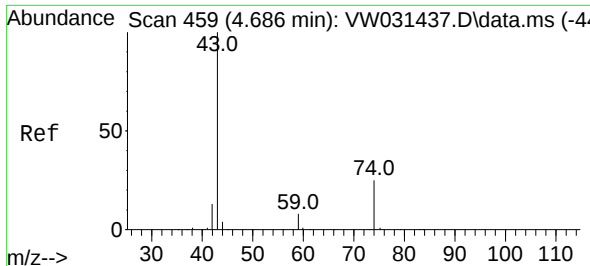
Tgt Ion: 43 Resp: 72400  
Ion Ratio Lower Upper  
43 100  
58 30.6 0.0 0.0#



#14  
Carbon disulfide  
Concen: 8.537 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. 0.006 min  
Lab File: VW031454.D  
Acq: 21 Dec 2024 02:39

Tgt Ion: 76 Resp: 204509  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.3 10.9





#15

Methyl Acetate

Concen: 17.225 ug/L

RT: 4.691 min Scan# 4

Delta R.T. 0.006 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

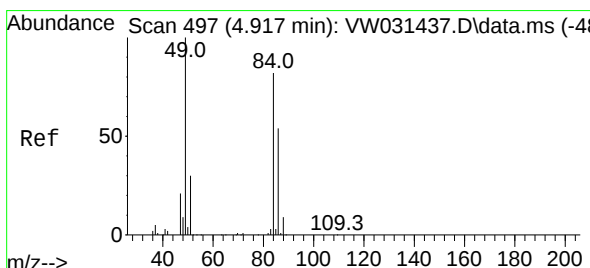
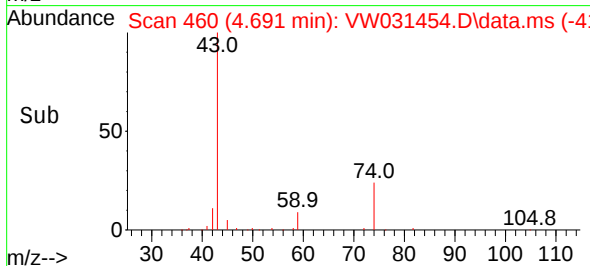
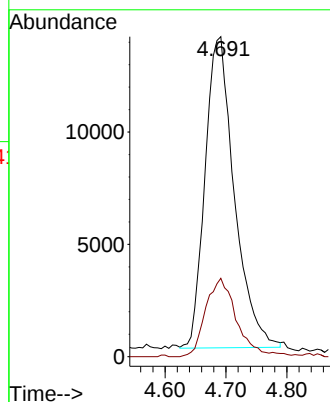
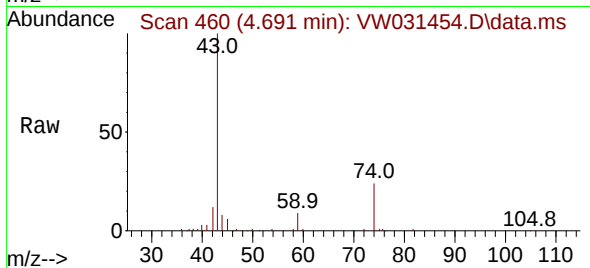
YE680MS

Tgt Ion: 43 Resp: 46257

Ion Ratio Lower Upper

43 100

74 26.1 18.9 28.3



#16

Methylene chloride

Concen: 15.683 ug/L

RT: 4.911 min Scan# 496

Delta R.T. -0.006 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

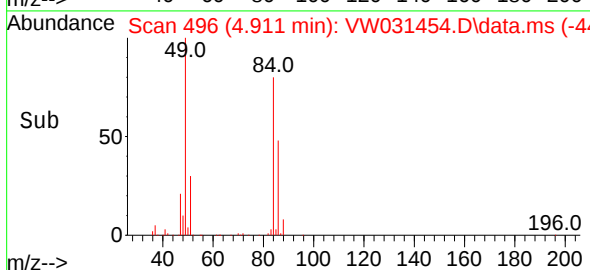
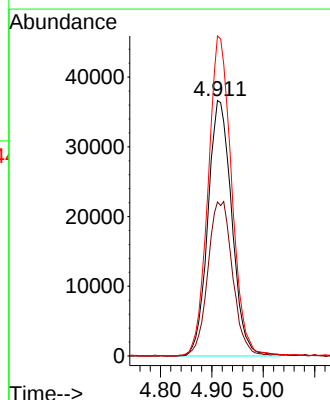
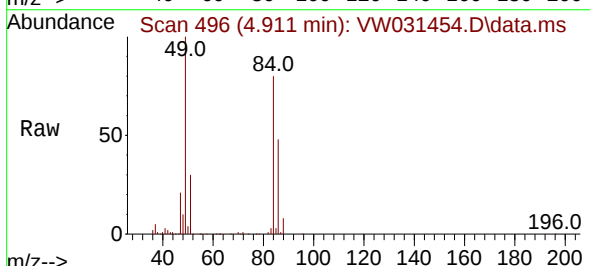
Tgt Ion: 84 Resp: 118236

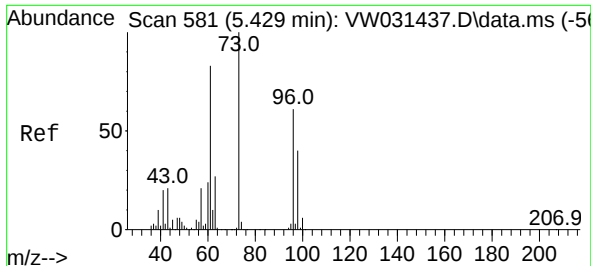
Ion Ratio Lower Upper

84 100

86 60.2 44.7 82.9

49 125.3 88.3 164.1





#17

trans-1,2-Dichloroethene

Concen: 12.101 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

YE680MS

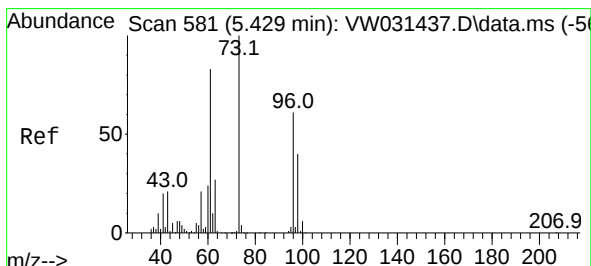
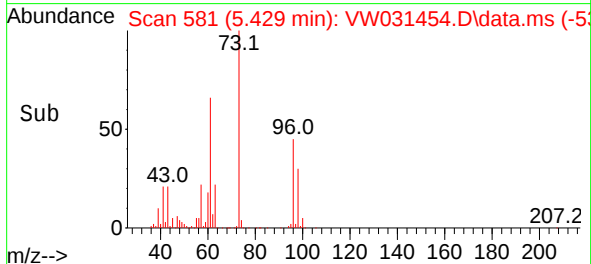
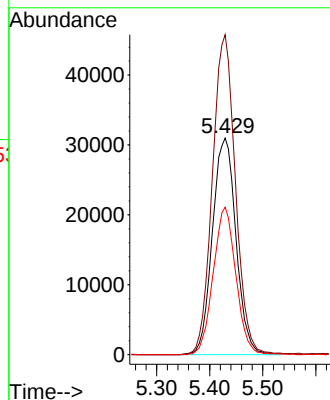
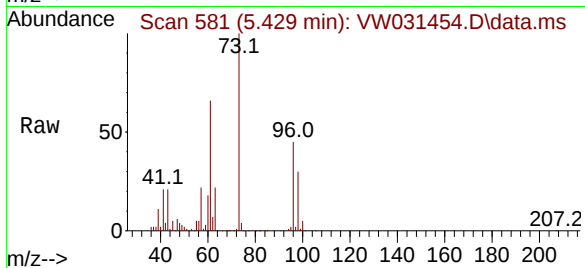
Tgt Ion: 96 Resp: 95816

Ion Ratio Lower Upper

96 100

61 147.7 100.7 187.1

98 68.1 43.8 81.3



#18

Methyl tert-butyl Ether

Concen: 18.209 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

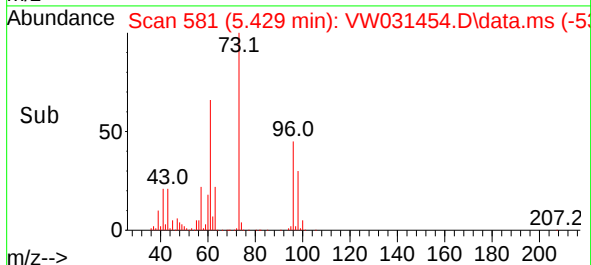
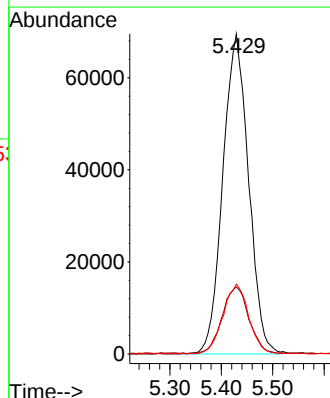
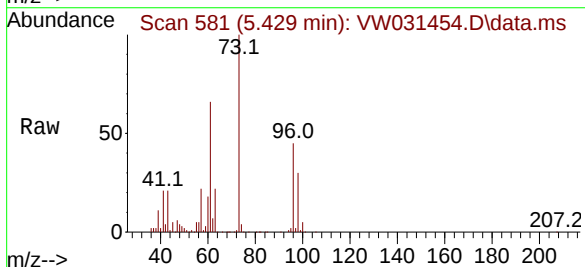
Tgt Ion: 73 Resp: 241026

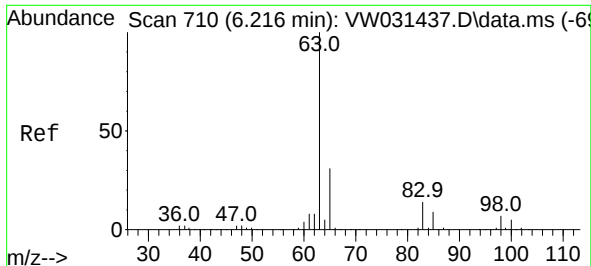
Ion Ratio Lower Upper

73 100

43 21.8 17.9 26.9

57 22.0 17.9 26.9

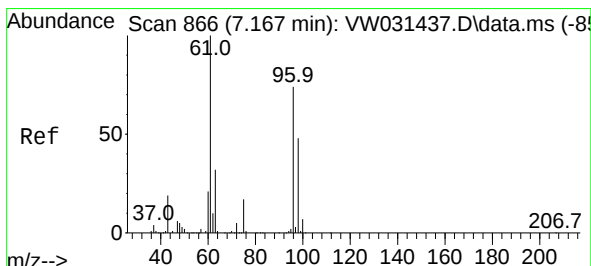
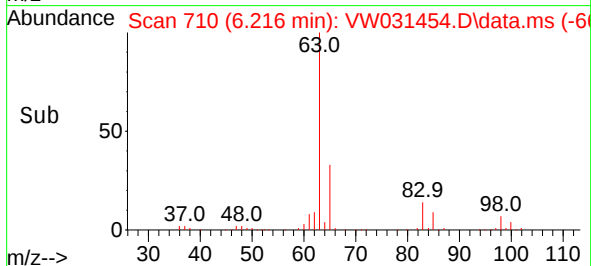
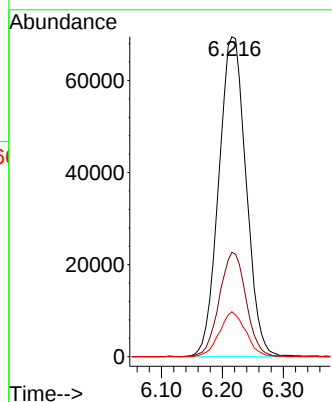
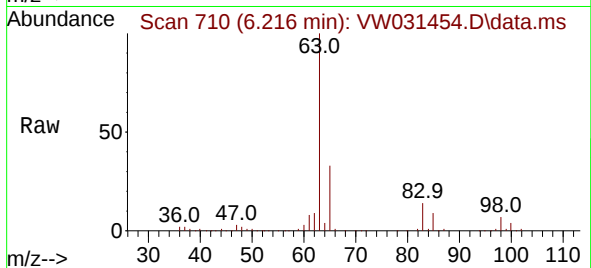




#19  
1,1-Dichloroethane  
Concen: 14.616 ug/L  
RT: 6.216 min Scan# 710  
Delta R.T. -0.000 min  
Lab File: VW031454.D  
Acq: 21 Dec 2024 02:39

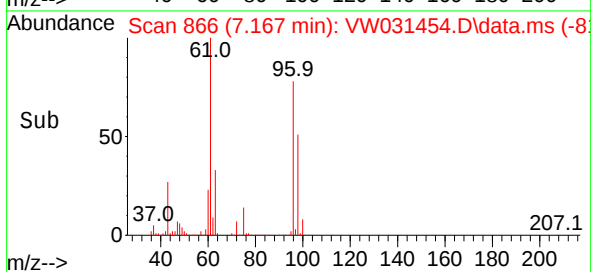
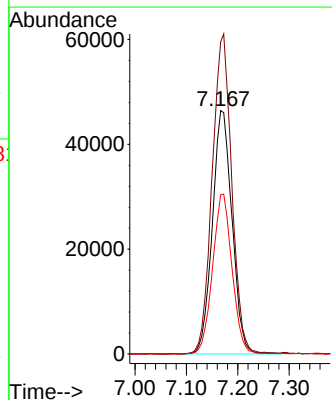
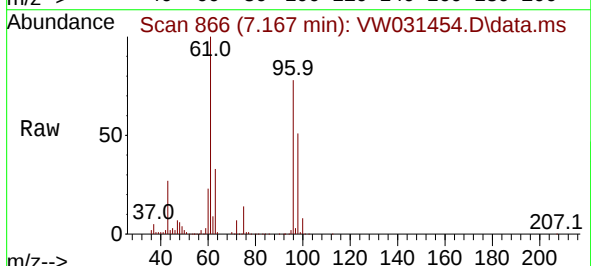
Instrument :  
MSVOA\_W  
ClientSampleId :  
YE680MS

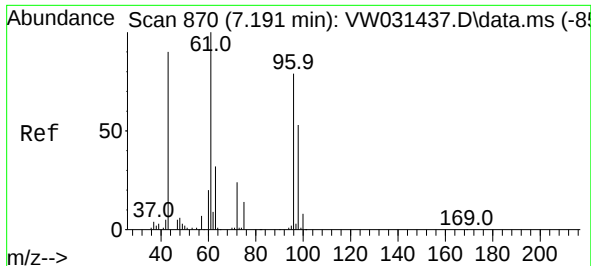
Tgt Ion: 63 Resp: 216250  
Ion Ratio Lower Upper  
63 100  
65 32.6 21.9 40.7  
83 14.1 9.3 17.3



#20  
cis-1,2-Dichloroethene  
Concen: 14.443 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.000 min  
Lab File: VW031454.D  
Acq: 21 Dec 2024 02:39

Tgt Ion: 96 Resp: 123723  
Ion Ratio Lower Upper  
96 100  
61 128.3 92.2 171.2  
98 65.4 43.7 81.1





#22

2-Butanone

Concen: 28.914 ug/L

RT: 7.185 min Scan# 870

Delta R.T. -0.006 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

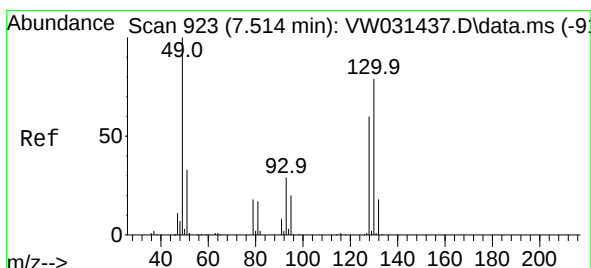
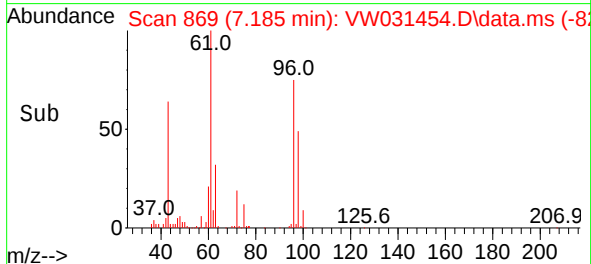
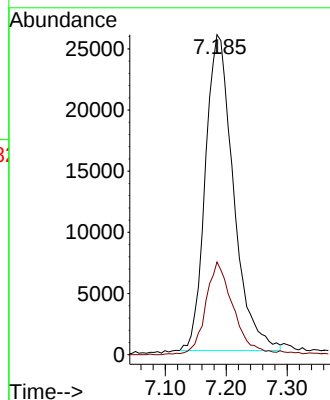
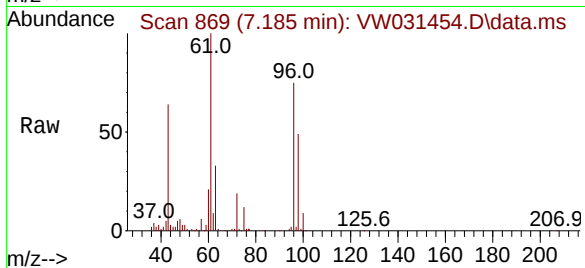
YE680MS

Tgt Ion: 43 Resp: 82836

Ion Ratio Lower Upper

43 100

72 28.5 13.3 39.8



#23

Bromochloromethane

Concen: 16.614 ug/L

RT: 7.520 min Scan# 924

Delta R.T. 0.006 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Tgt Ion:128 Resp: 56763

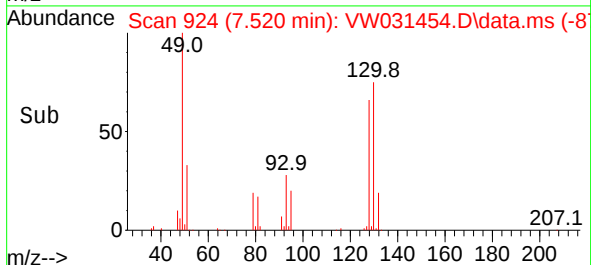
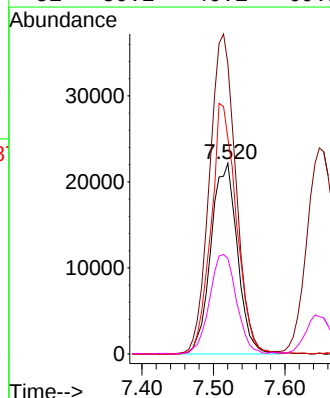
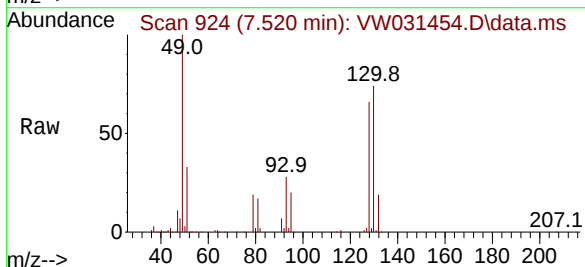
Ion Ratio Lower Upper

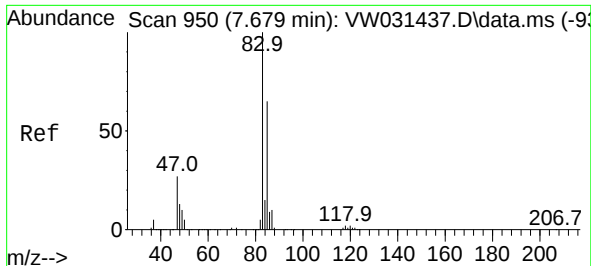
128 100

49 152.3 123.7 229.7

130 113.3 90.3 167.7

51 50.2 46.1 69.1





#25

Chloroform

Concen: 15.231 ug/L

RT: 7.679 min Scan# 950

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

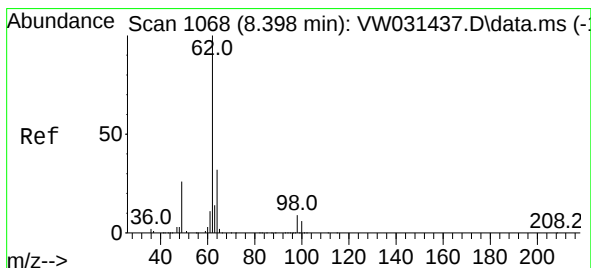
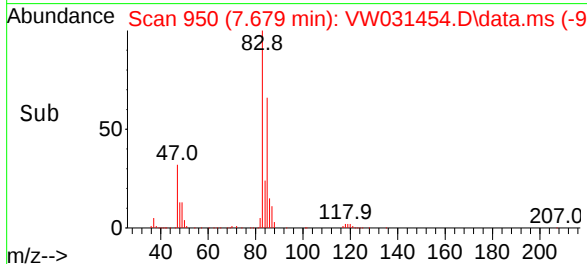
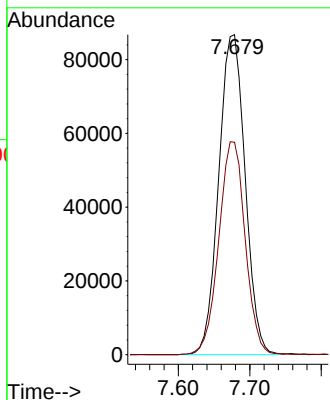
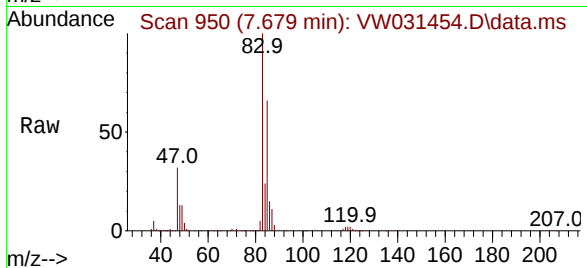
YE680MS

Tgt Ion: 83 Resp: 222410

Ion Ratio Lower Upper

83 100

85 66.4 46.1 85.5



#27

1,2-Dichloroethane

Concen: 17.373 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW031454.D

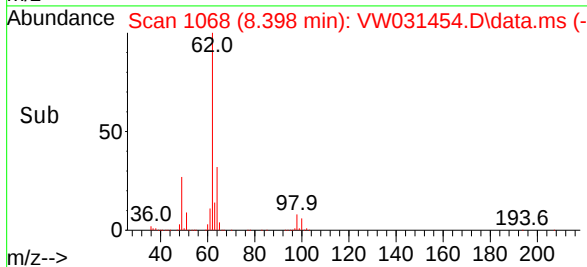
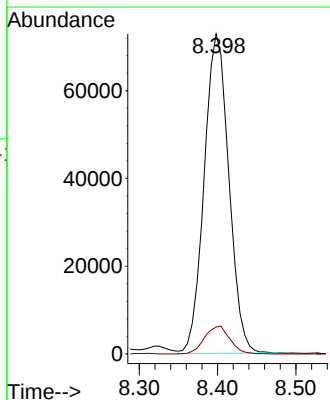
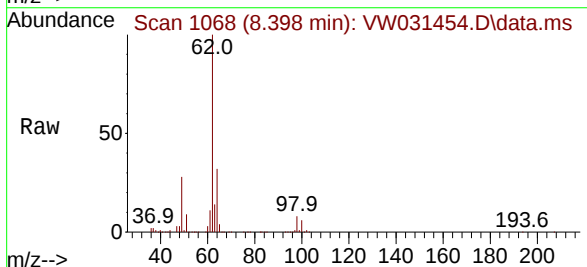
Acq: 21 Dec 2024 02:39

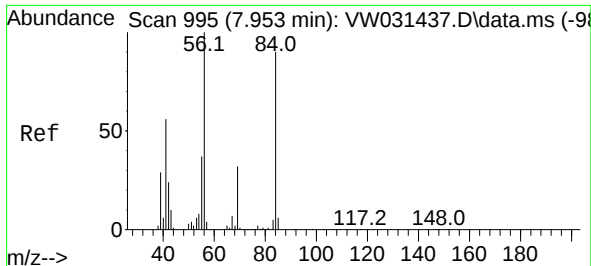
Tgt Ion: 62 Resp: 159490

Ion Ratio Lower Upper

62 100

98 8.4 7.2 10.8





#29

Cyclohexane

Concen: 9.822 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

YE680MS

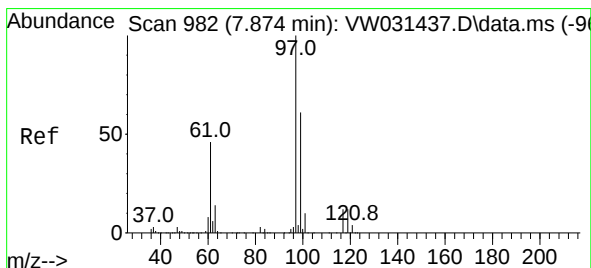
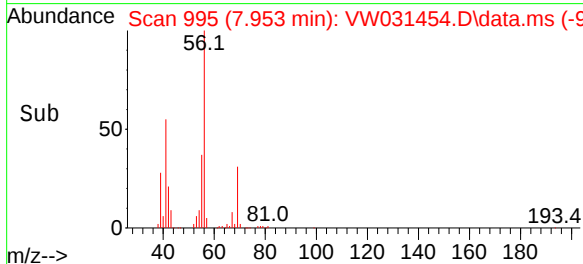
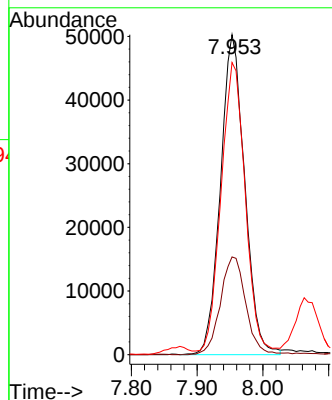
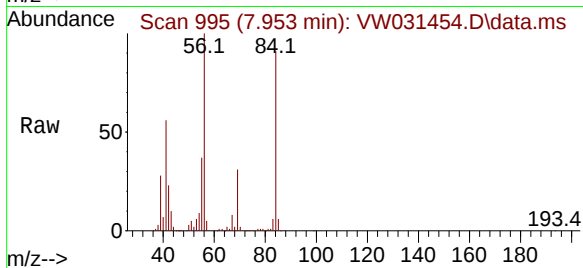
Tgt Ion: 56 Resp: 128552

Ion Ratio Lower Upper

56 100

69 31.8 25.0 37.4

84 91.7 68.9 103.3



#30

1,1,1-Trichloroethane

Concen: 14.024 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

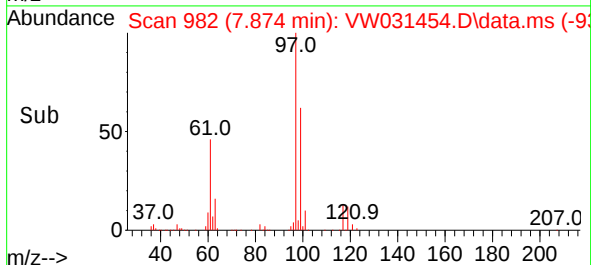
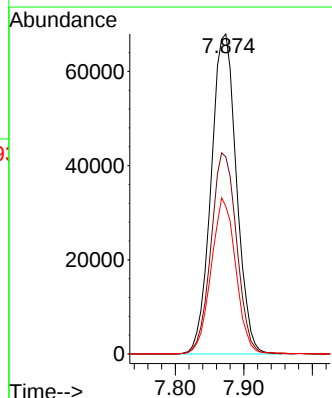
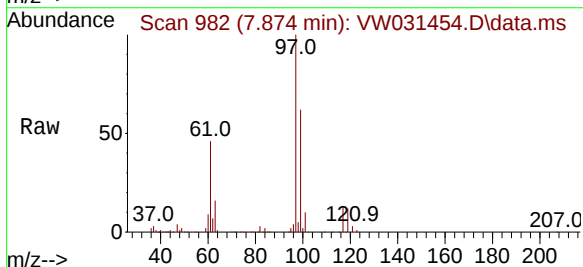
Tgt Ion: 97 Resp: 174934

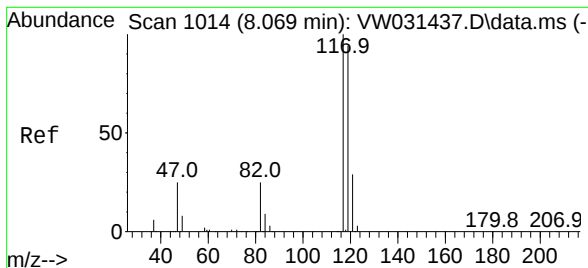
Ion Ratio Lower Upper

97 100

99 63.2 51.1 76.7

61 47.3 36.3 54.5

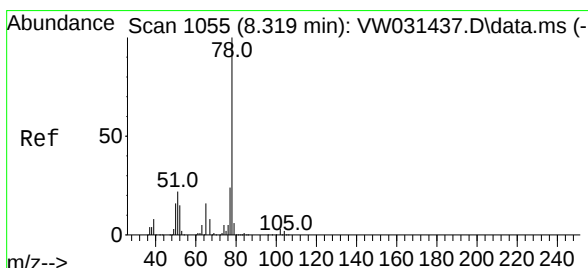
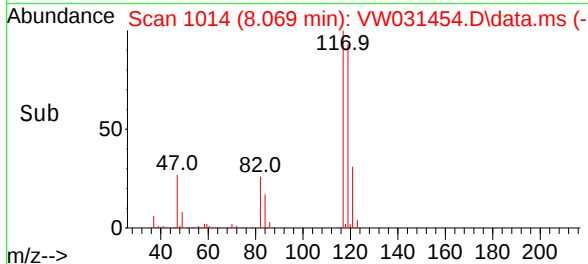
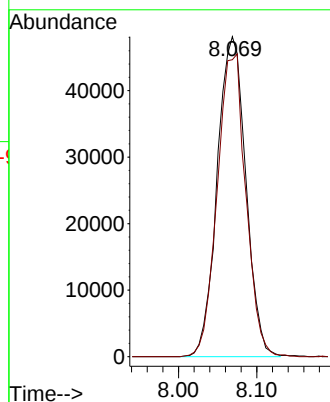
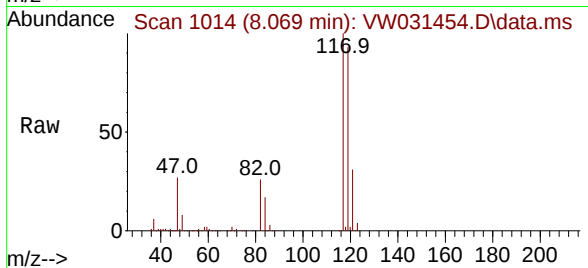




#31  
Carbon tetrachloride  
Concen: 10.975 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW031454.D  
Acq: 21 Dec 2024 02:39

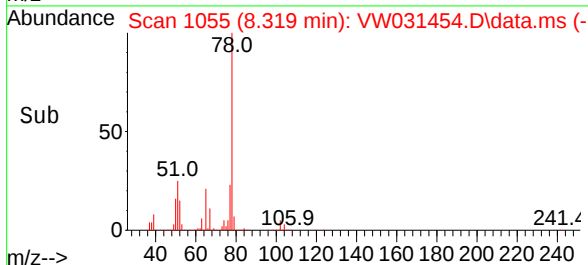
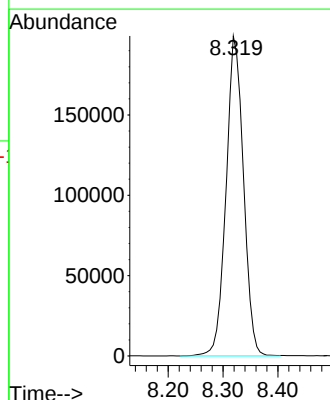
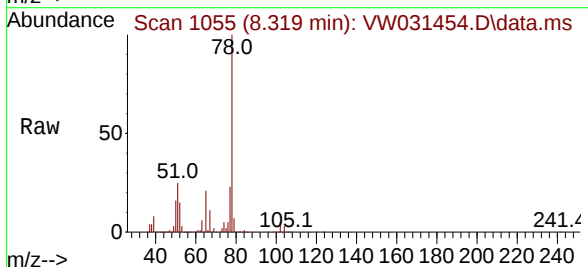
Instrument :  
MSVOA\_W  
ClientSampleId :  
YE680MS

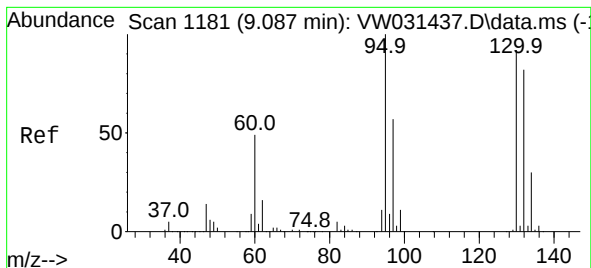
Tgt Ion:117 Resp: 121960  
Ion Ratio Lower Upper  
117 100  
119 94.4 76.0 114.0



#33  
Benzene  
Concen: 14.768 ug/L  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VW031454.D  
Acq: 21 Dec 2024 02:39

Tgt Ion: 78 Resp: 440434





#34

Trichloroethene

Concen: 15.377 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

YE680MS

Tgt Ion: 95 Resp: 129467

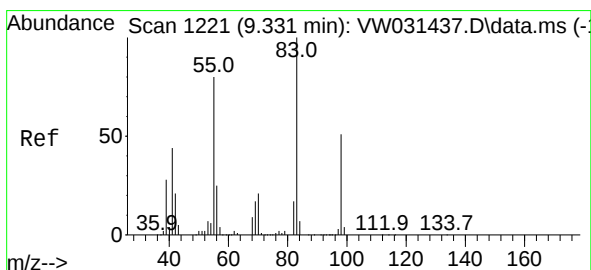
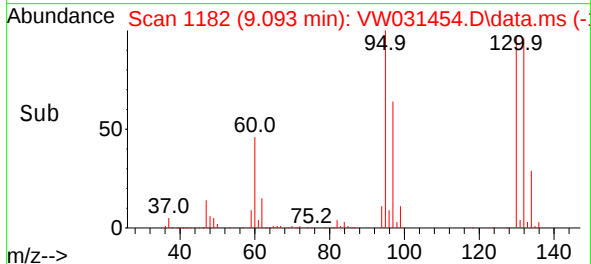
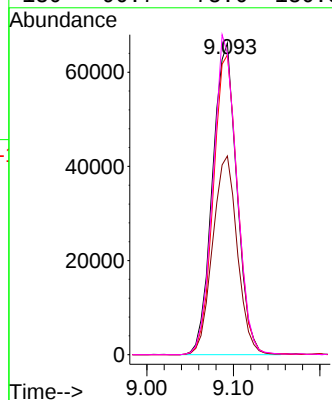
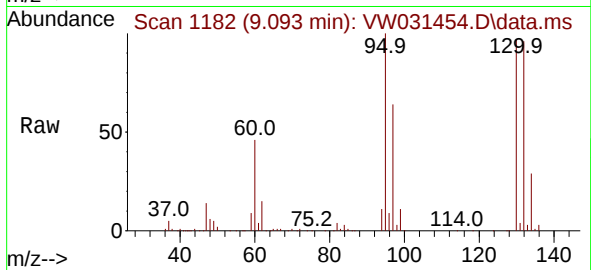
Ion Ratio Lower Upper

95 100

97 63.7 46.5 86.3

132 96.2 70.3 130.5

130 96.7 73.6 136.8



#35

Methylcyclohexane

Concen: 9.444 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

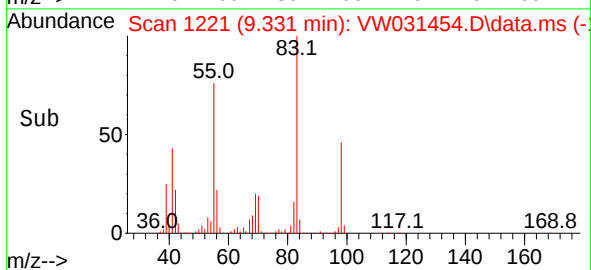
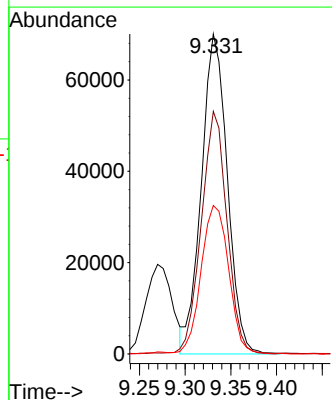
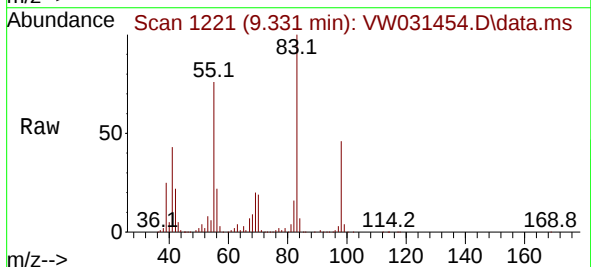
Tgt Ion: 83 Resp: 138482

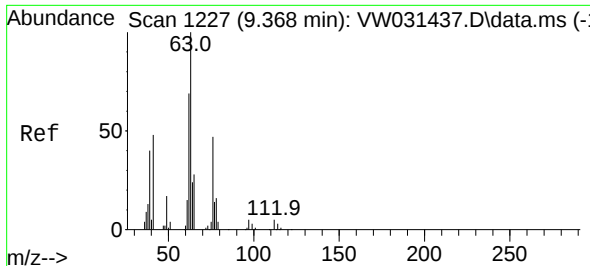
Ion Ratio Lower Upper

83 100

55 74.6 62.6 93.8

98 49.4 39.8 59.6





#37

1,2-Dichloropropane

Concen: 16.370 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

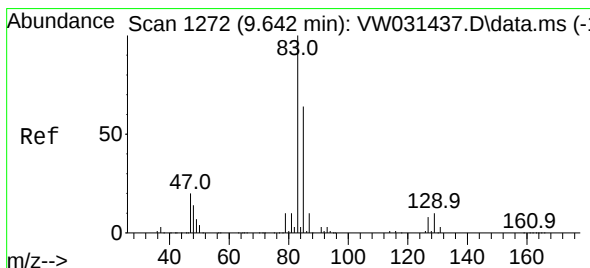
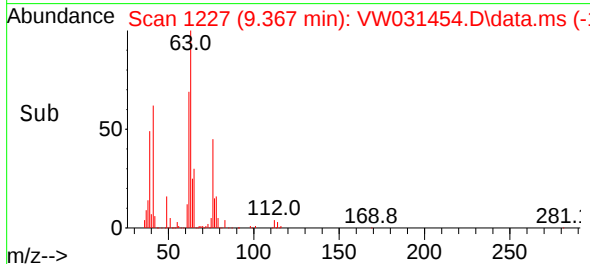
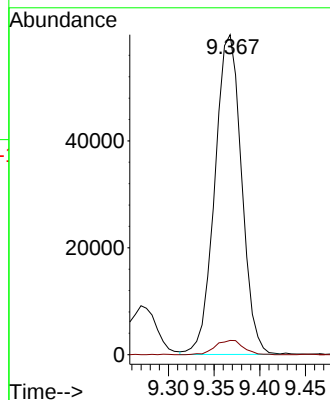
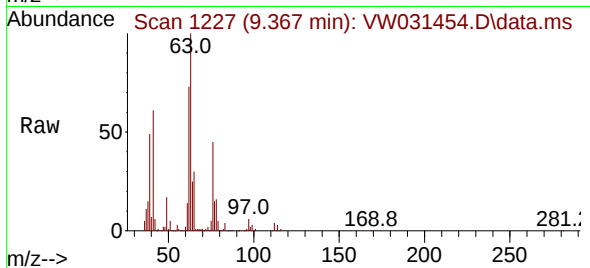
YE680MS

Tgt Ion: 63 Resp: 121787

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



#38

Bromodichloromethane

Concen: 15.994 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

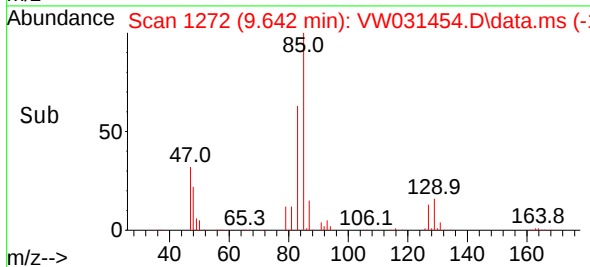
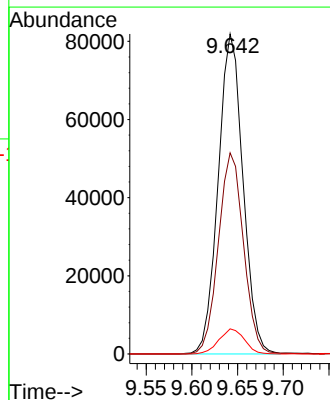
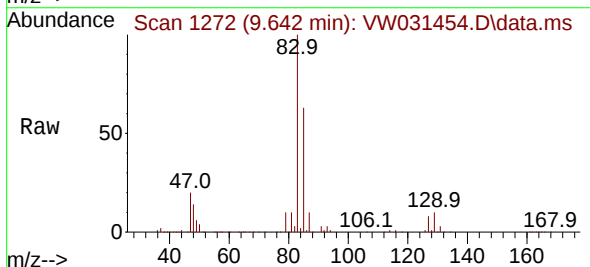
Tgt Ion: 83 Resp: 154696

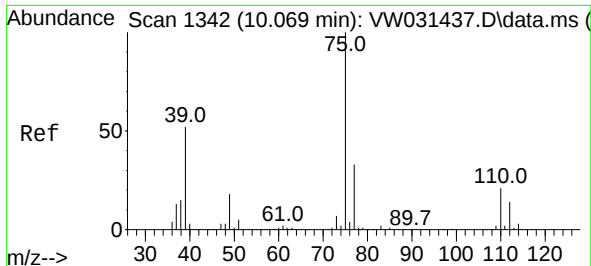
Ion Ratio Lower Upper

83 100

85 62.8 46.5 86.5

127 7.9 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 14.085 ug/L

RT: 10.068 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

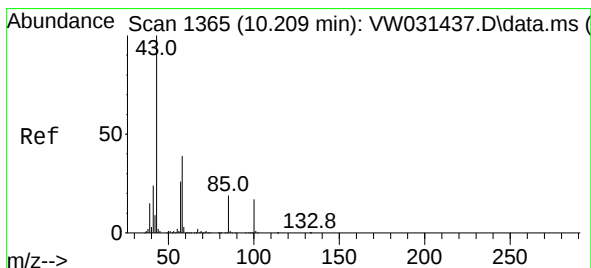
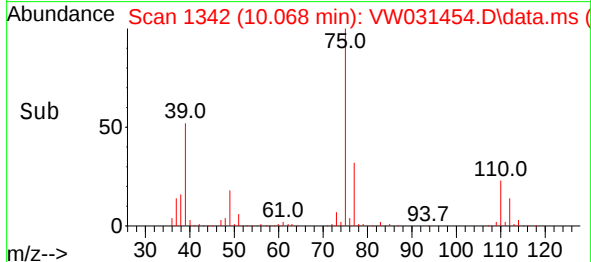
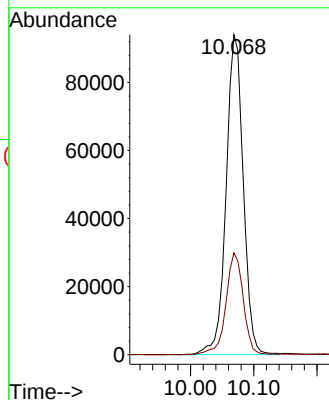
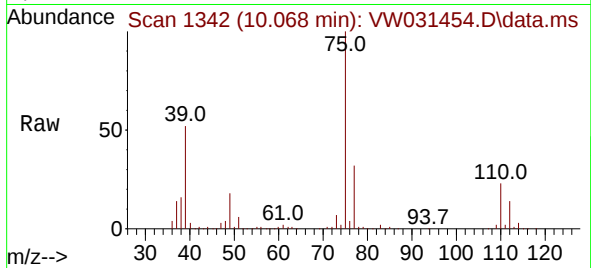
YE680MS

Tgt Ion: 75 Resp: 177079

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 39.013 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

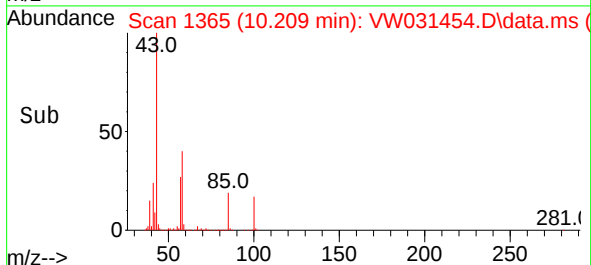
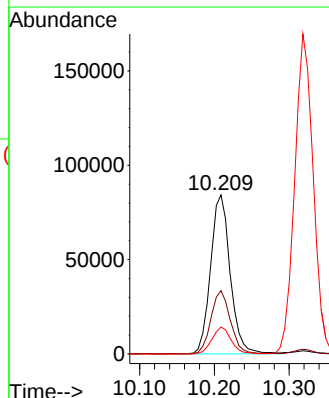
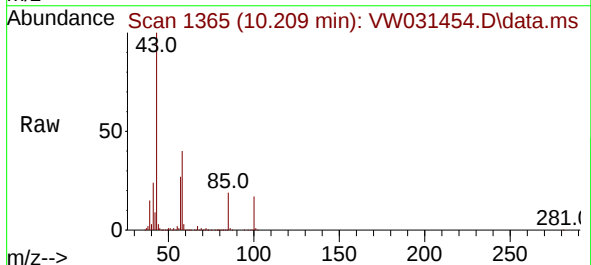
Tgt Ion: 43 Resp: 153989

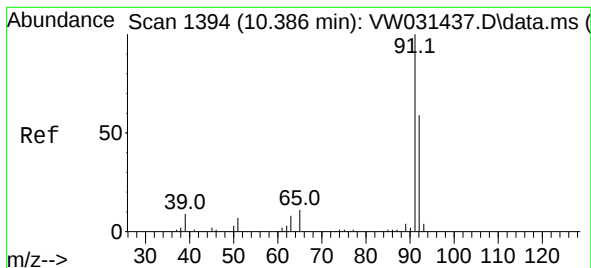
Ion Ratio Lower Upper

43 100

58 39.5 31.1 46.7

100 16.6 13.0 19.6





#42

Toluene

Concen: 13.163 ug/L

RT: 10.386 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

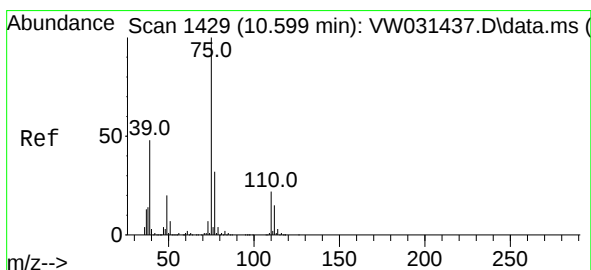
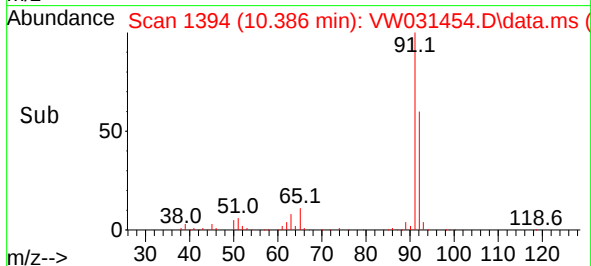
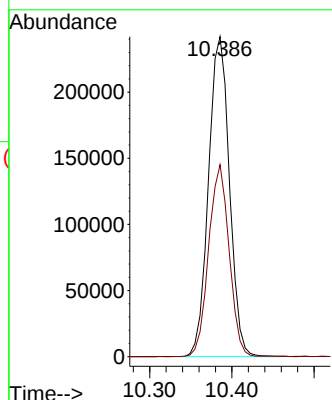
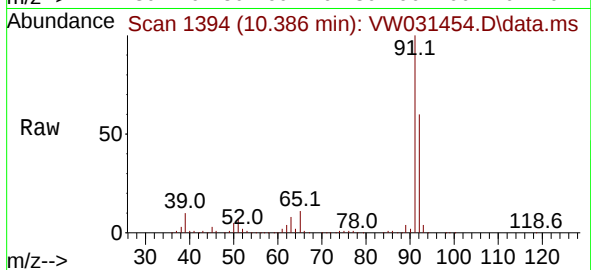
YE680MS

Tgt Ion: 91 Resp: 427412

Ion Ratio Lower Upper

91 100

92 60.0 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 13.640 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.006 min

Lab File: VW031454.D

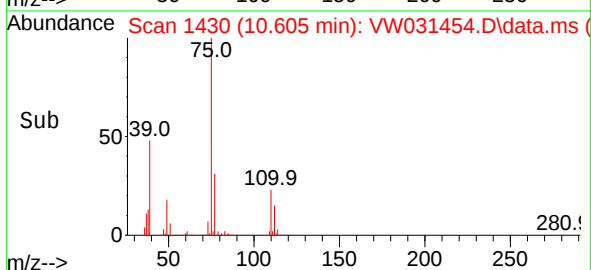
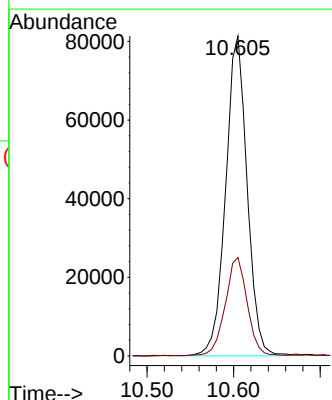
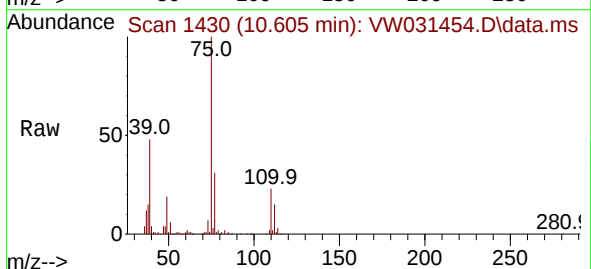
Acq: 21 Dec 2024 02:39

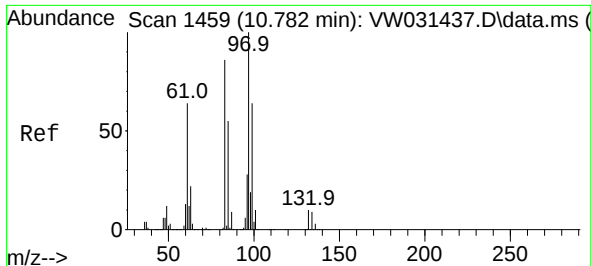
Tgt Ion: 75 Resp: 140023

Ion Ratio Lower Upper

75 100

77 30.7 21.2 39.4





#45

1,1,2-Trichloroethane

Concen: 19.112 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

YE680MS

Tgt Ion: 97 Resp: 94578

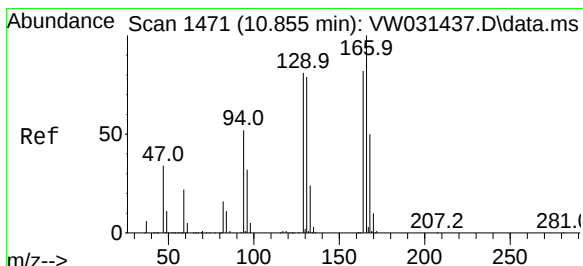
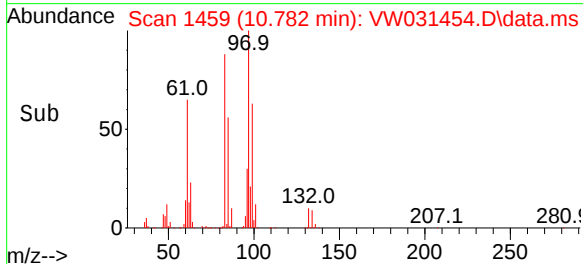
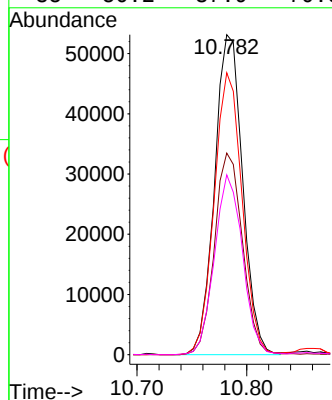
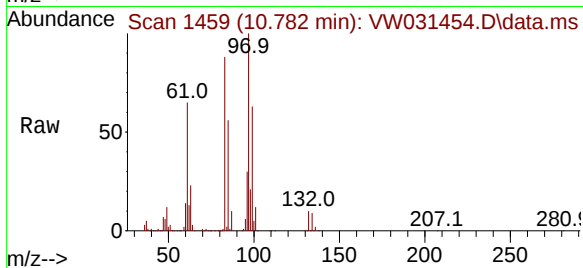
Ion Ratio Lower Upper

97 100

99 63.0 43.0 80.0

83 88.1 56.4 104.7

85 56.2 37.9 70.3



#46

Tetrachloroethene

Concen: 12.945 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.006 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Tgt Ion:164 Resp: 79837

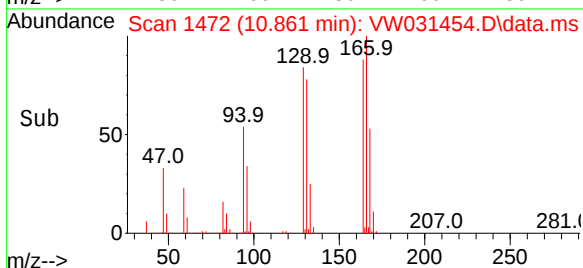
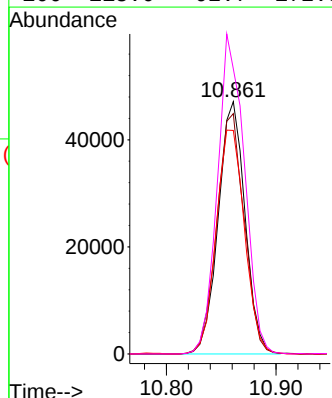
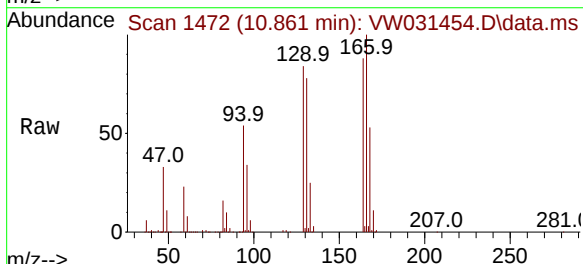
Ion Ratio Lower Upper

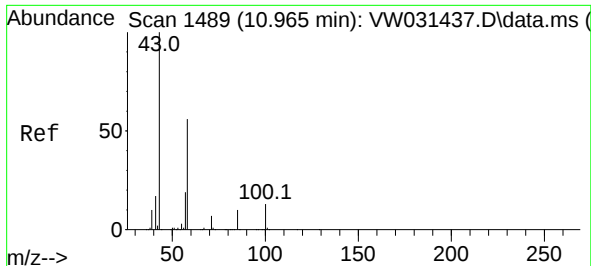
164 100

129 95.3 73.5 136.5

131 88.6 66.6 123.8

166 113.0 92.7 172.3





#48

2-Hexanone

Concen: 34.771 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

YE680MS

Tgt Ion: 43 Resp: 116727

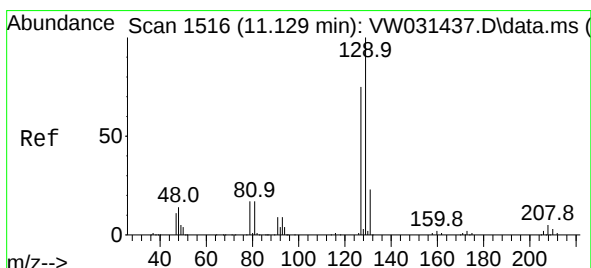
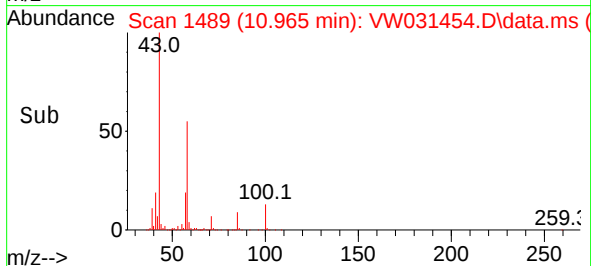
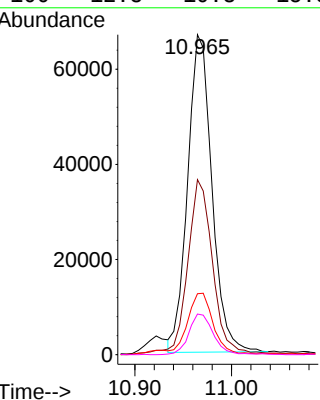
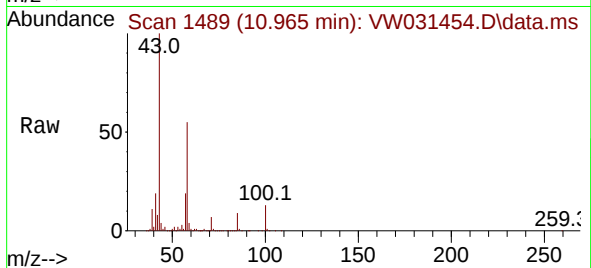
Ion Ratio Lower Upper

43 100

58 56.6 43.0 64.6

57 20.4 15.7 23.5

100 12.8 10.3 15.5



#49

Dibromochloromethane

Concen: 15.796 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.006 min

Lab File: VW031454.D

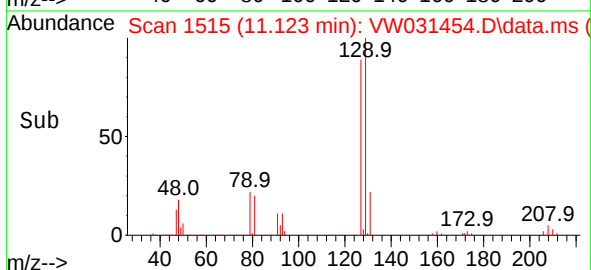
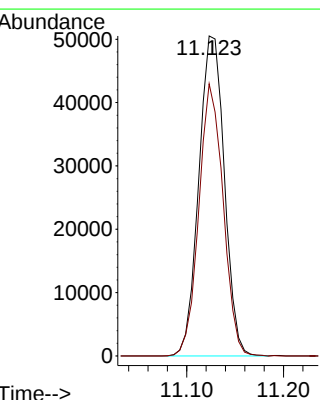
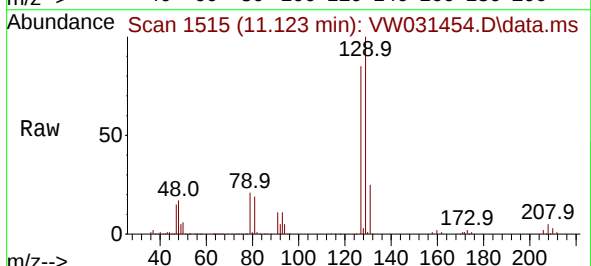
Acq: 21 Dec 2024 02:39

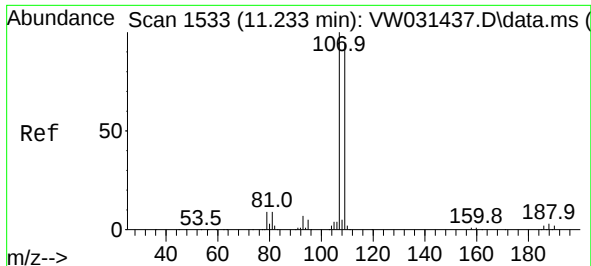
Tgt Ion: 129 Resp: 92657

Ion Ratio Lower Upper

129 100

127 85.0 57.6 107.0





#50

1,2-Dibromoethane

Concen: 18.074 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

YE680MS

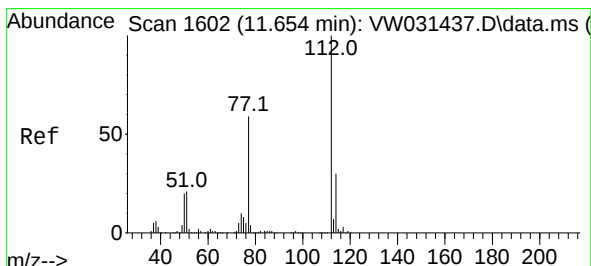
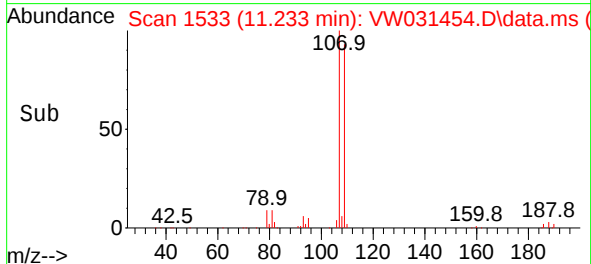
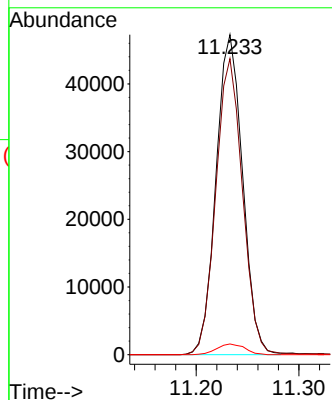
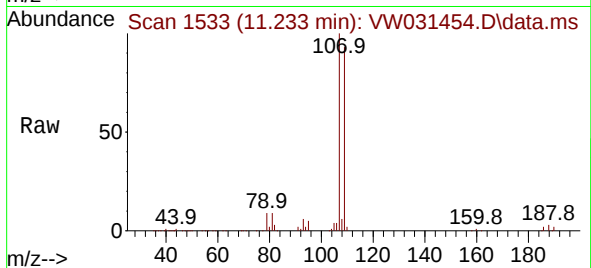
Tgt Ion:107 Resp: 84729

Ion Ratio Lower Upper

107 100

109 92.5 63.2 117.4

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 12.894 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

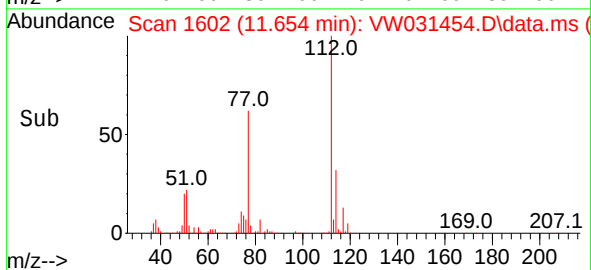
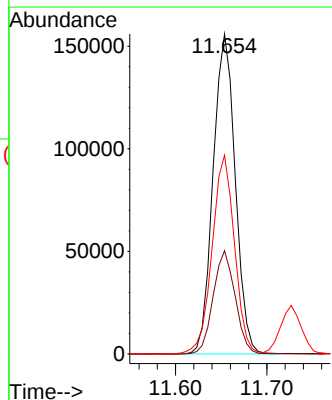
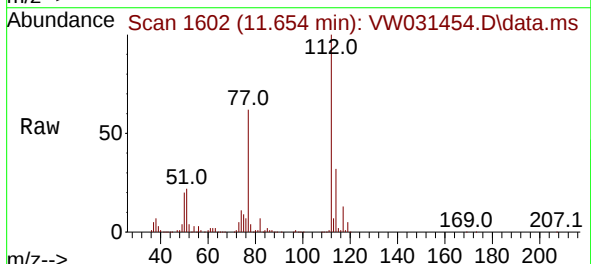
Tgt Ion:112 Resp: 262506

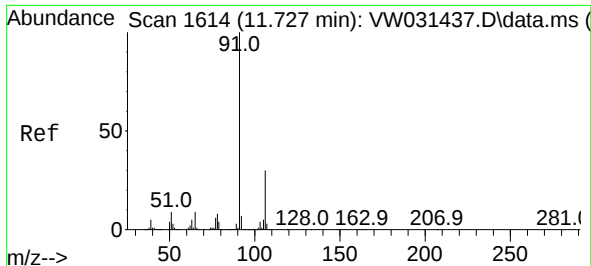
Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.3

77 62.1 50.2 75.4





#52

Ethylbenzene

Concen: 11.156 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

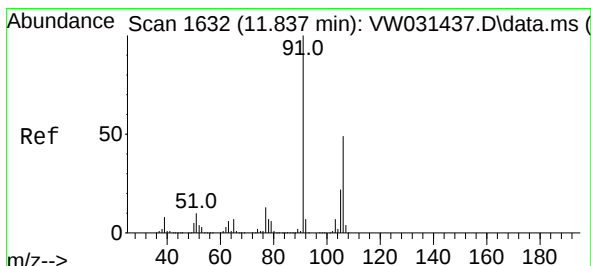
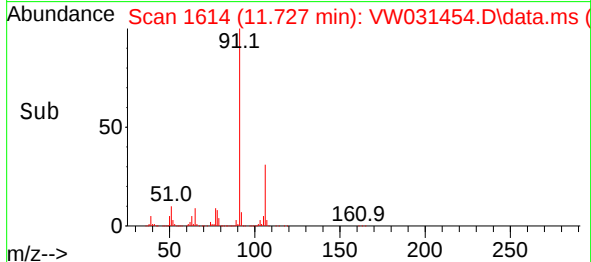
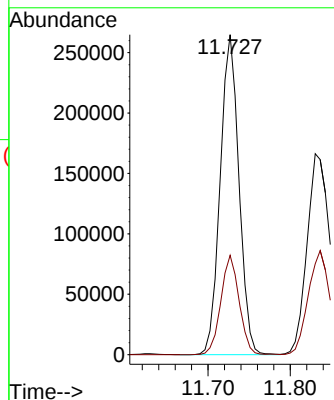
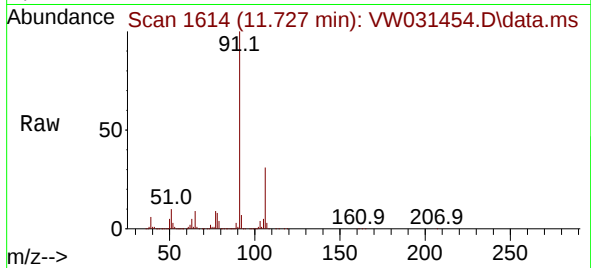
YE680MS

Tgt Ion: 91 Resp: 419803

Ion Ratio Lower Upper

91 100

106 31.1 20.7 38.5



#53

m,p-Xylene

Concen: 10.988 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW031454.D

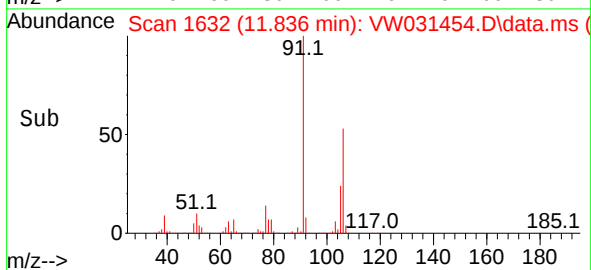
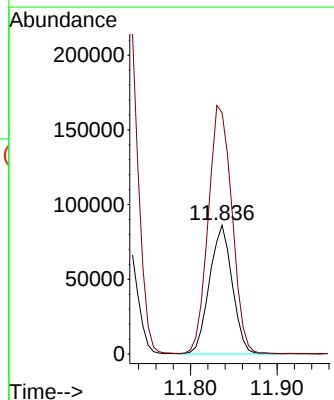
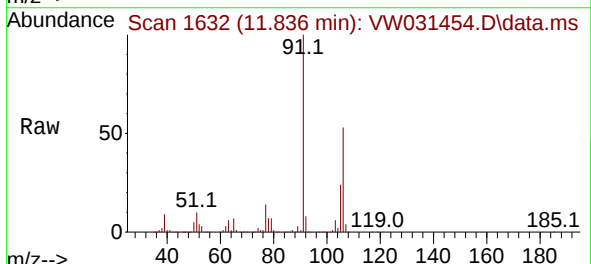
Acq: 21 Dec 2024 02:39

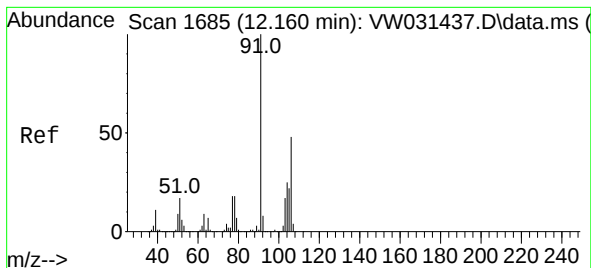
Tgt Ion:106 Resp: 157410

Ion Ratio Lower Upper

106 100

91 187.4 139.9 259.7





#54

o-Xylene

Concen: 12.086 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

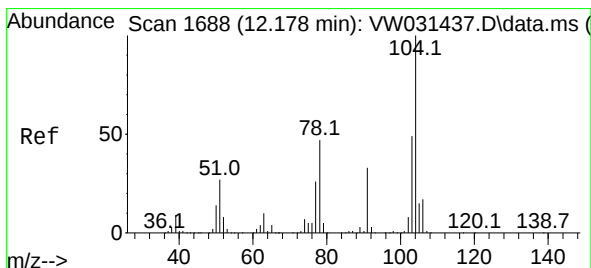
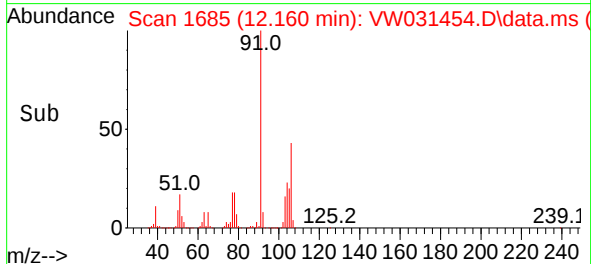
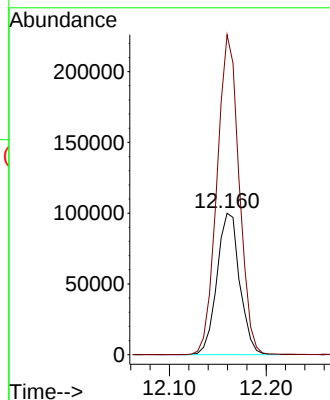
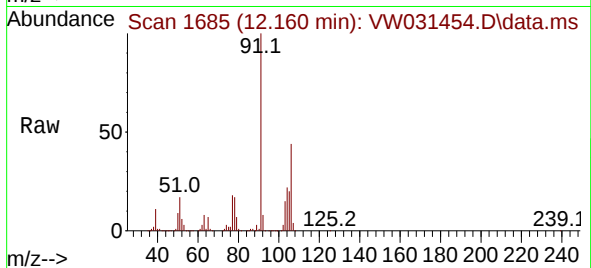
YE680MS

Tgt Ion:106 Resp: 163177

Ion Ratio Lower Upper

106 100

91 226.2 153.1 284.3



#55

Styrene

Concen: 12.280 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW031454.D

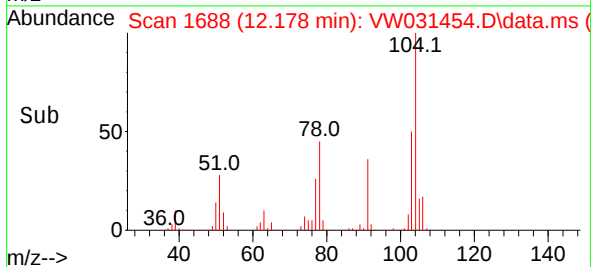
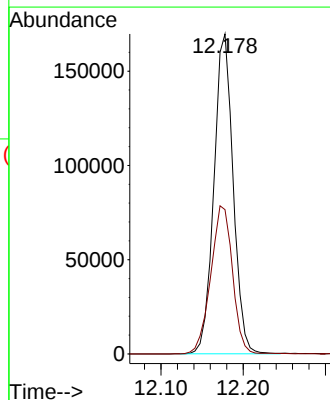
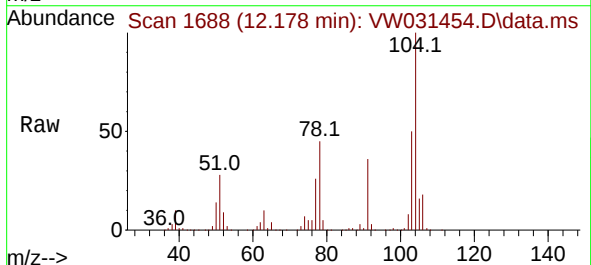
Acq: 21 Dec 2024 02:39

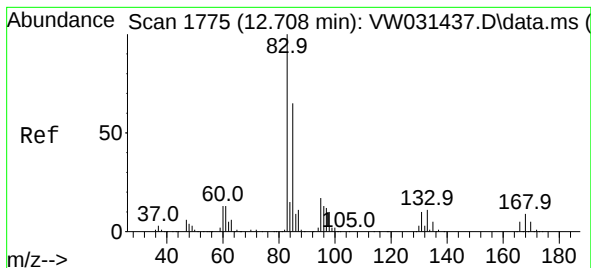
Tgt Ion:104 Resp: 275784

Ion Ratio Lower Upper

104 100

78 45.1 31.4 58.4





#57

1,1,2,2-Tetrachloroethane

Concen: 20.021 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

YE680MS

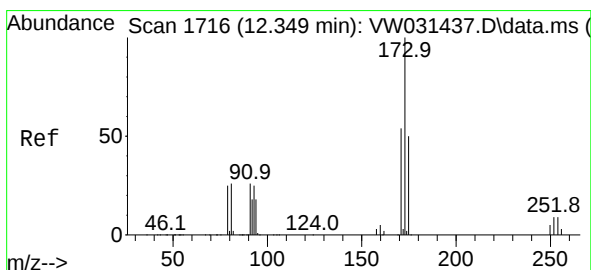
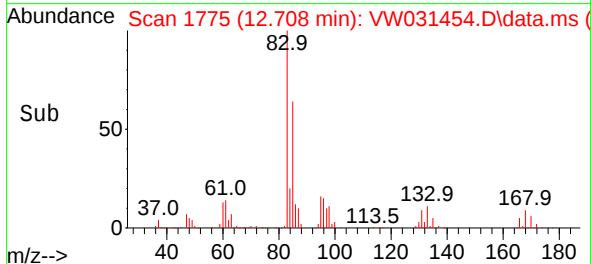
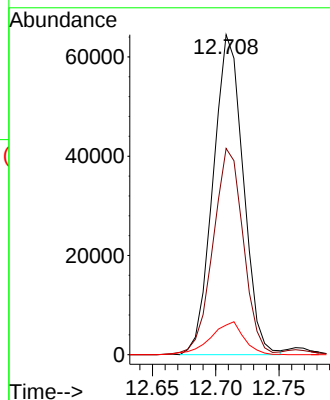
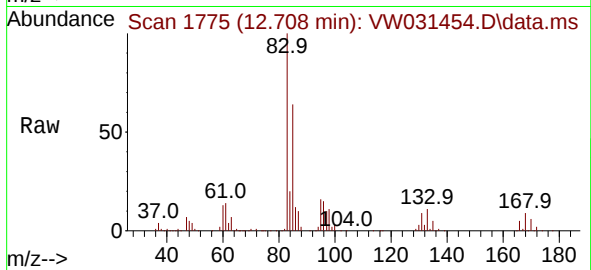
Tgt Ion: 83 Resp: 106805

Ion Ratio Lower Upper

83 100

85 64.4 44.1 81.9

131 9.3 7.9 11.9



#59

Bromoform

Concen: 18.730 ug/L

RT: 12.342 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

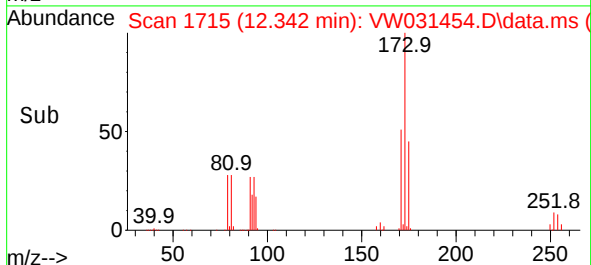
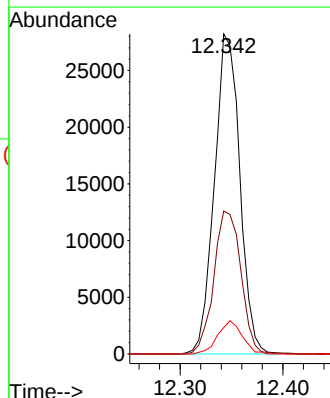
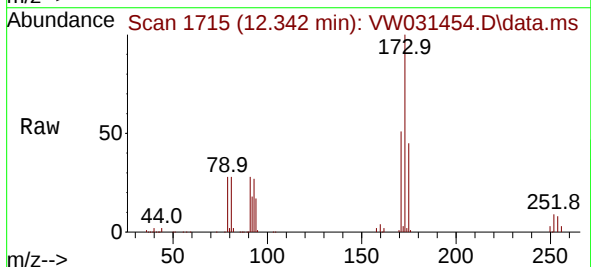
Tgt Ion:173 Resp: 48429

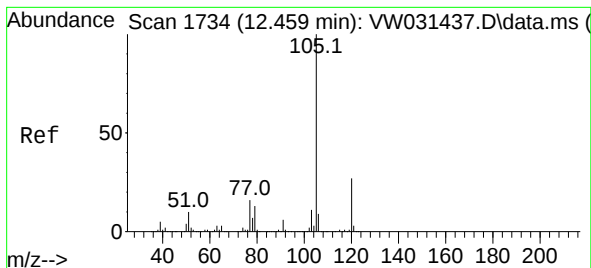
Ion Ratio Lower Upper

173 100

175 47.6 38.6 57.8

254 9.9 7.6 11.4





#60

Isopropylbenzene

Concen: 12.321 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

YE680MS

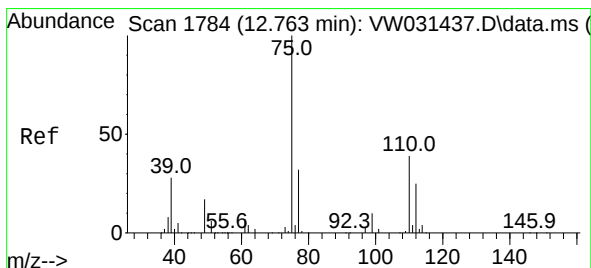
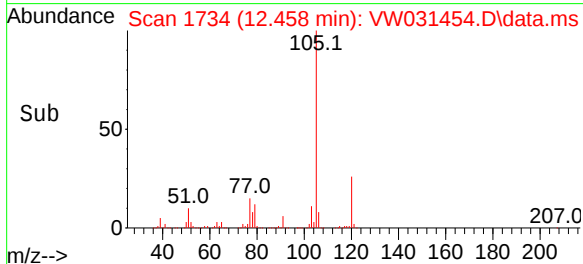
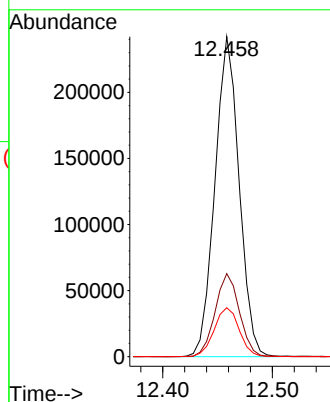
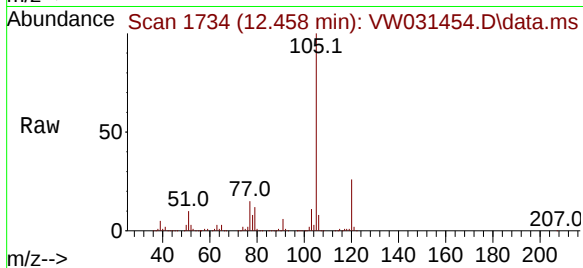
Tgt Ion:105 Resp: 371113

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

77 15.8 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 25.570 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

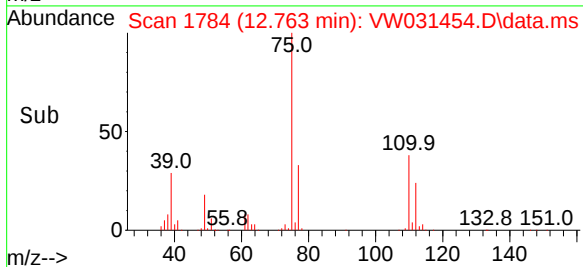
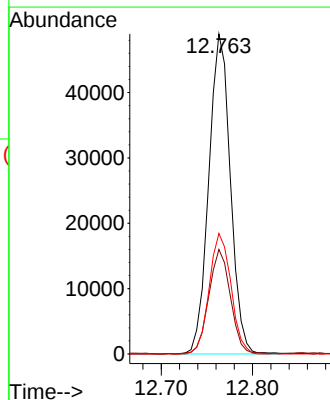
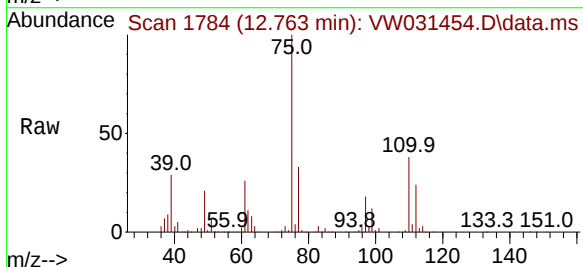
Tgt Ion: 75 Resp: 80532

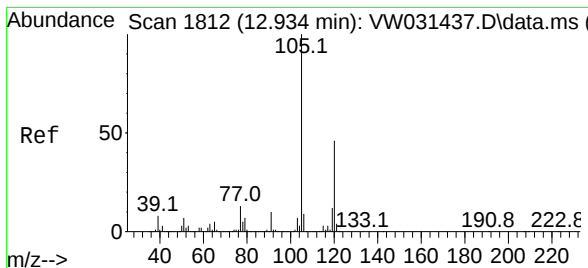
Ion Ratio Lower Upper

75 100

77 32.7 25.3 37.9

110 37.8 31.2 46.8





#62

1,3,5-Trimethylbenzene

Concen: 11.601 ug/L

RT: 12.940 min Scan# 1812

Delta R.T. 0.006 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

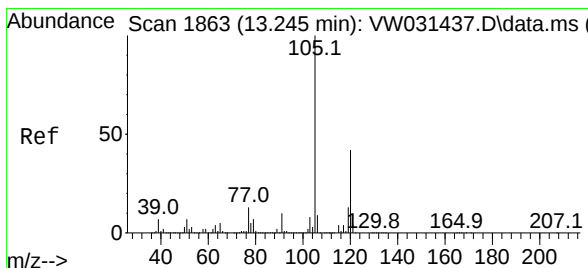
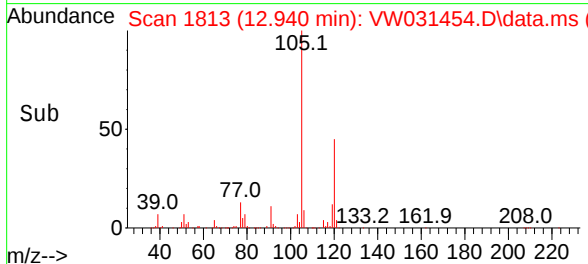
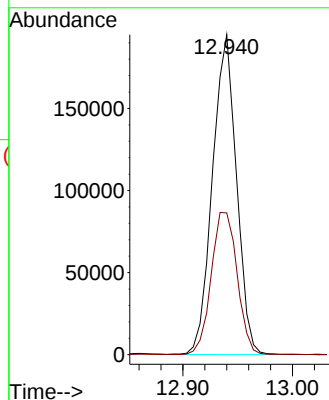
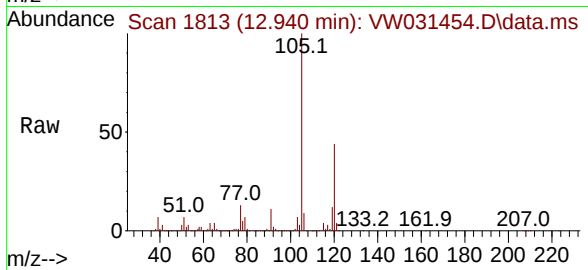
YE680MS

Tgt Ion:105 Resp: 296239

Ion Ratio Lower Upper

105 100

120 48.2 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 11.891 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW031454.D

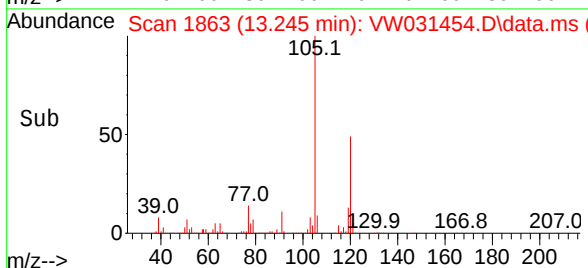
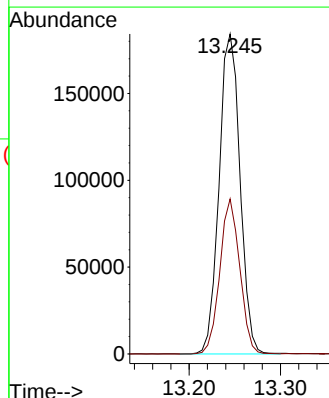
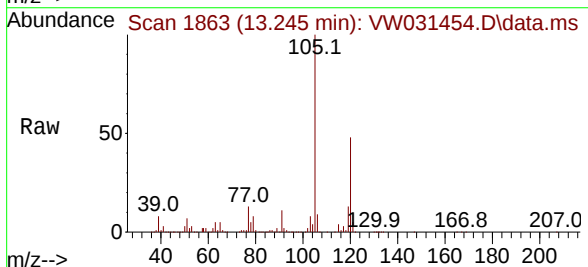
Acq: 21 Dec 2024 02:39

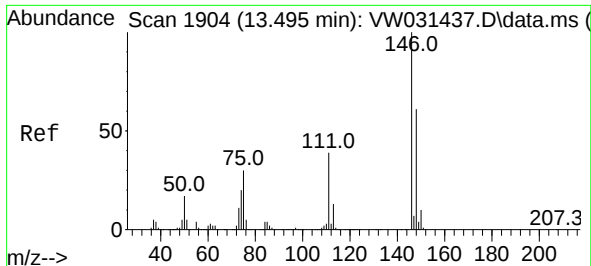
Tgt Ion:105 Resp: 293474

Ion Ratio Lower Upper

105 100

120 46.1 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 12.477 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

YE680MS

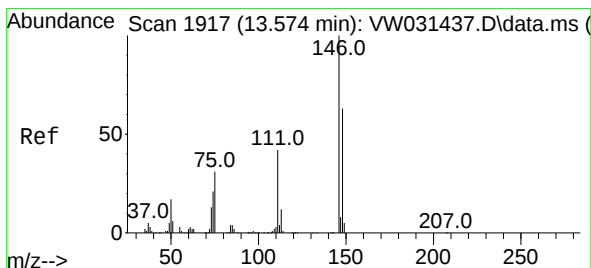
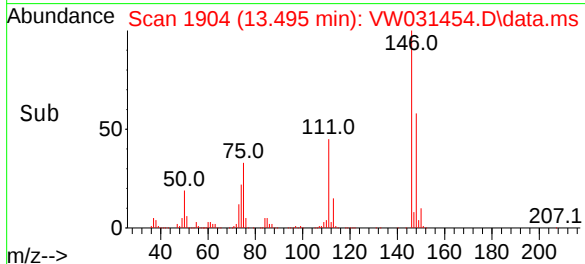
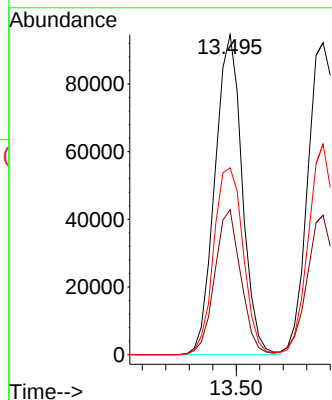
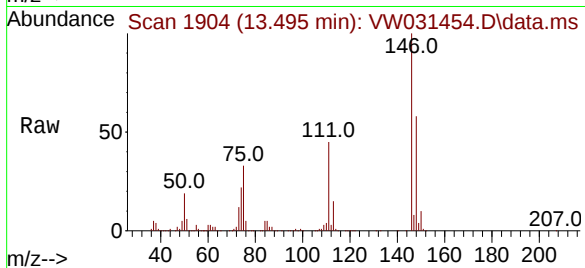
Tgt Ion:146 Resp: 152259

Ion Ratio Lower Upper

146 100

111 45.3 27.6 51.2

148 58.4 41.0 76.2



#65

1,4-Dichlorobenzene

Concen: 12.915 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

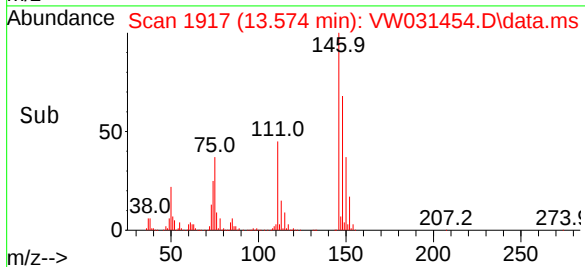
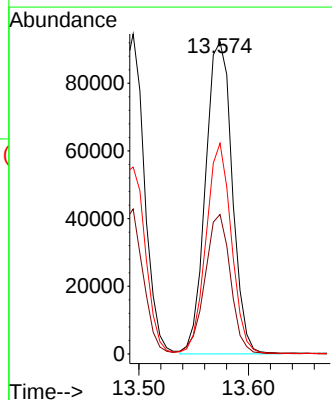
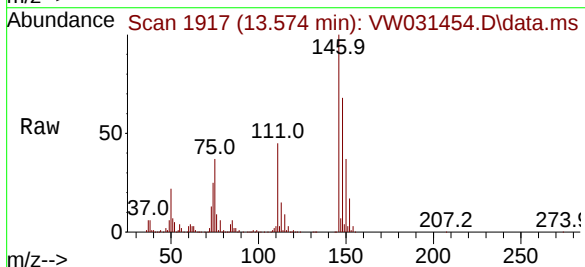
Tgt Ion:146 Resp: 156151

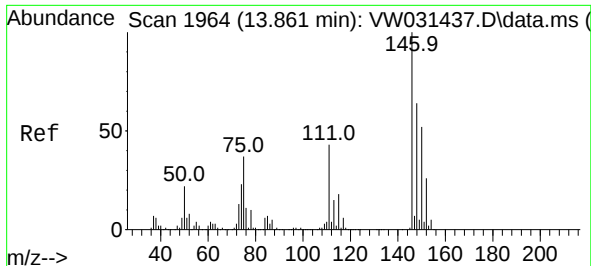
Ion Ratio Lower Upper

146 100

111 44.7 30.7 56.9

148 67.5 46.5 86.3

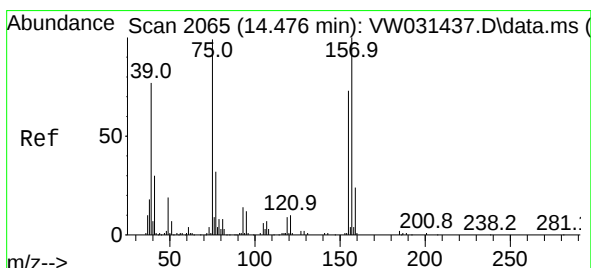
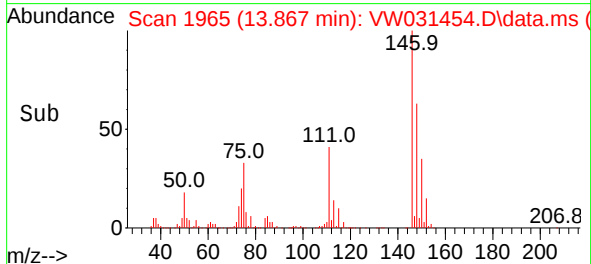
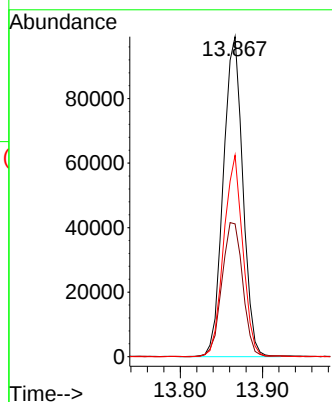
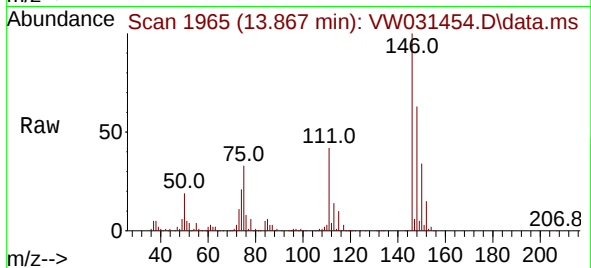




#67  
1,2-Dichlorobenzene  
Concen: 15.584 ug/L  
RT: 13.867 min Scan# 1964  
Delta R.T. 0.006 min  
Lab File: VW031454.D  
Acq: 21 Dec 2024 02:39

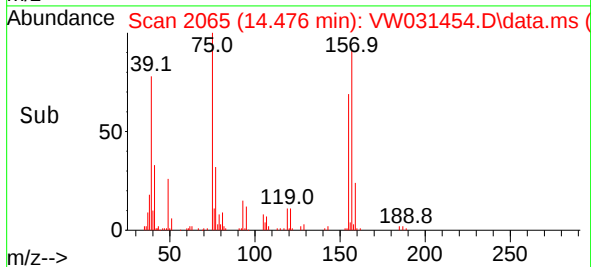
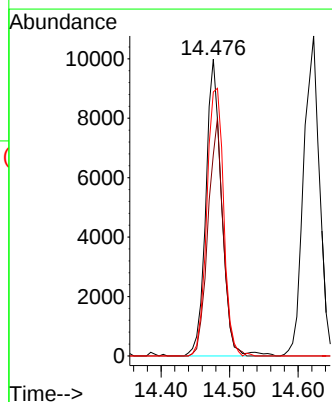
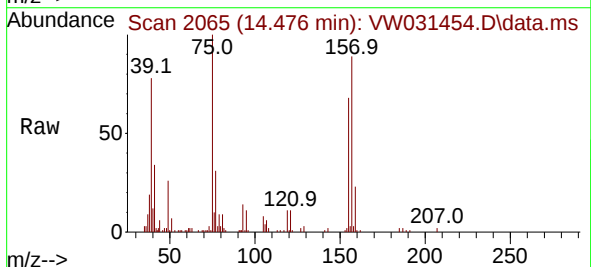
Instrument :  
MSVOA\_W  
ClientSampleId :  
YE680MS

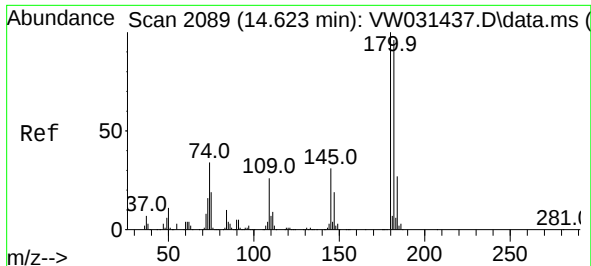
Tgt Ion:146 Resp: 163858  
Ion Ratio Lower Upper  
146 100  
111 41.5 38.6 58.0  
148 62.9 53.6 80.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 19.873 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: VW031454.D  
Acq: 21 Dec 2024 02:39

Tgt Ion: 75 Resp: 15883  
Ion Ratio Lower Upper  
75 100  
155 67.8 56.6 85.0  
157 89.0 71.2 106.8





#69

1,3,5-Trichlorobenzene

Concen: 10.741 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

YE680MS

Tgt Ion:180 Resp: 91795

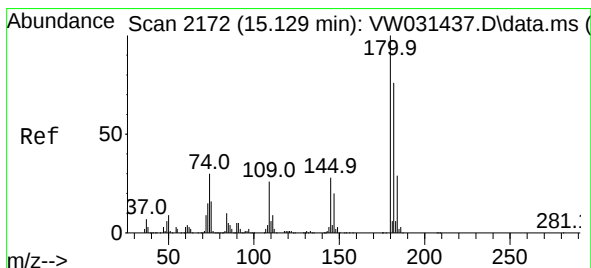
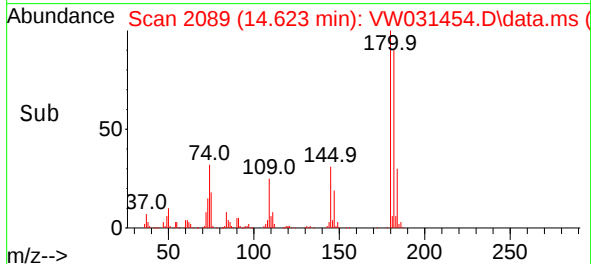
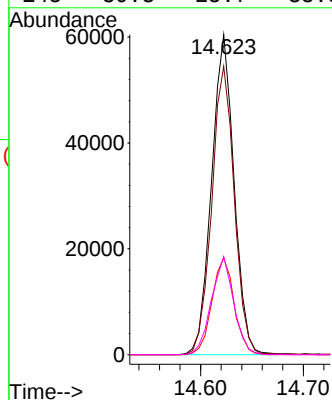
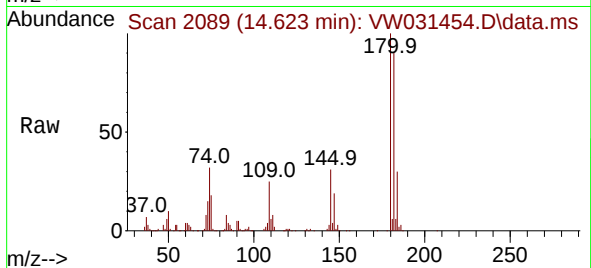
Ion Ratio Lower Upper

180 100

182 90.1 75.0 112.4

184 29.8 24.6 36.8

145 30.3 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 10.500 ug/L

RT: 15.122 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

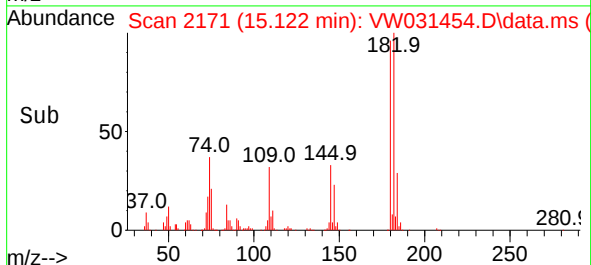
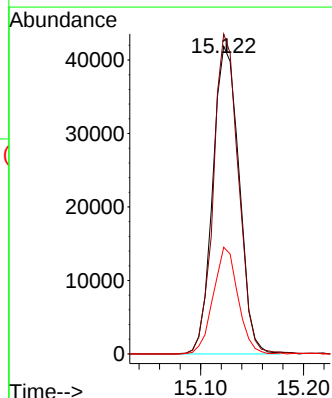
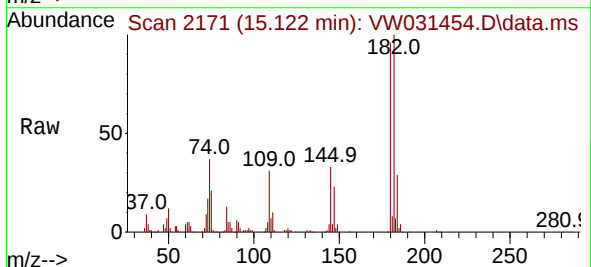
Tgt Ion:180 Resp: 74649

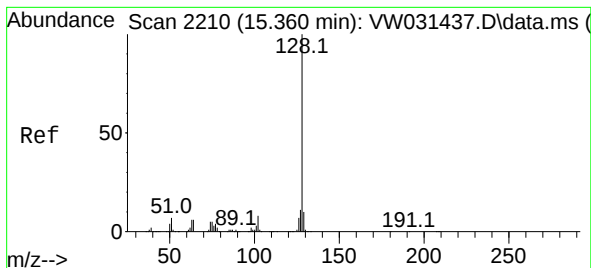
Ion Ratio Lower Upper

180 100

182 98.8 78.2 117.2

145 32.5 26.7 40.1





#71

Naphthalene

Concen: 16.806 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Instrument :

MSVOA\_W

ClientSampleId :

YE680MS

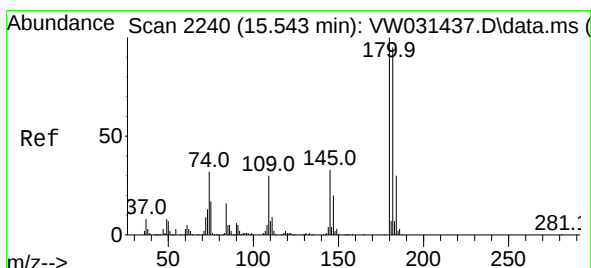
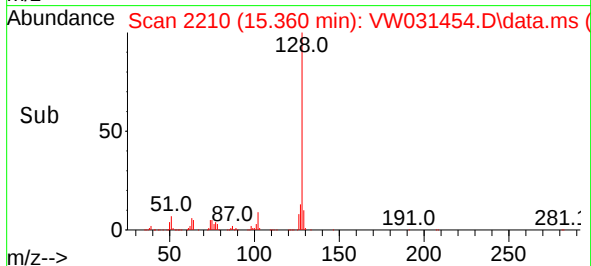
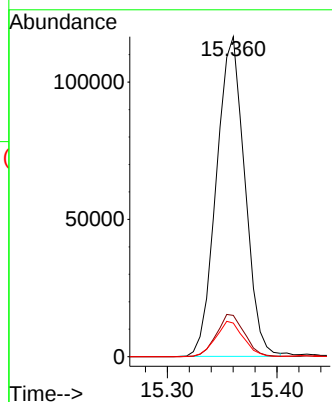
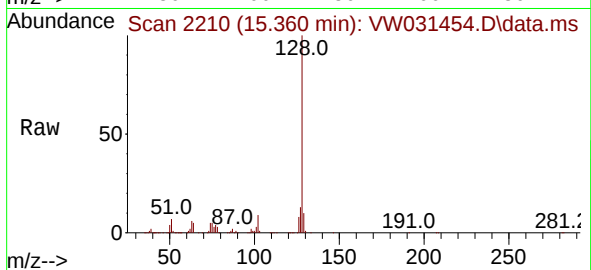
Tgt Ion:128 Resp: 209470

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 12.599 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW031454.D

Acq: 21 Dec 2024 02:39

Tgt Ion:180 Resp: 72167

Ion Ratio Lower Upper

180 100

182 102.1 75.0 112.4

145 36.0 27.8 41.6

