

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092624\  
 Data File : VV037564.D  
 Acq On : 26 Sep 2024 21:10  
 Operator : SY/MD  
 Sample : P4184-12MS  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY039MS

Quant Time: Sep 27 00:56:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 27 00:49:09 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529   | 114   | 688636   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780   | 117   | 657837   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178  | 152   | 351849   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 263223   | 43.543   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 87.080%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 206702   | 44.051   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 88.100%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 111125   | 44.000   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.000%  |
| 21) 2-Butanone-d5             | 3.793   | 46    | 190984   | 88.699   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 88.700%  |
| 24) Chloroform-d              | 4.243   | 84    | 481490   | 44.769   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.540%  |
| 26) 1,2-Dichloroethane-d4     | 4.937   | 65    | 278505   | 44.241   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.480%  |
| 32) Benzene-d6                | 4.953   | 84    | 934214   | 45.383   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.760%  |
| 36) 1,2-Dichloropropane-d6    | 5.982   | 67    | 291862   | 44.526   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 89.060%  |
| 41) Toluene-d8                | 7.236   | 98    | 866964   | 46.446   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.900%  |
| 43) trans-1,3-Dichloroprop... | 7.548   | 79    | 135240   | 44.414   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.820%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 138589   | 100.128  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 100.130% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146  | 84    | 351994   | 46.216   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 92.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.554  | 152   | 331472   | 44.708   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.420%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108   | 85    | 291901   | 49.792   | ug/L   | 99       |
| 3) Chloromethane              | 1.217   | 50    | 279047   | 49.029   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.285   | 62    | 310896   | 50.953   | ug/L   | 100      |
| 6) Bromomethane               | 1.487   | 94    | 157730   | 46.581   | ug/L   | 99       |
| 8) Chloroethane               | 1.548   | 64    | 183332   | 48.748   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 410800   | 50.017   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069   | 101   | 243271   | 49.567   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 236092   | 51.497   | ug/L   | 83       |
| 13) Acetone                   | 2.111   | 43    | 151107   | 71.589   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.240   | 76    | 670725   | 46.869   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.372   | 43    | 171330   | 46.512   | ug/L   | 99       |
| 16) Methylene chloride        | 2.446   | 84    | 251136   | 48.379   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.690   | 96    | 239272   | 49.334   | ug/L   | 100      |
| 18) Methyl tert-butyl Ether   | 2.706   | 73    | 725755   | 52.157   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.105   | 63    | 1074247  | 115.603  | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.809   | 96    | 440050   | 81.078   | ug/L   | 99       |
| 22) 2-Butanone                | 3.873   | 43    | 216815   | 92.804   | ug/L   | 96       |
| 23) Bromochloromethane        | 4.140   | 128   | 138454   | 49.315   | ug/L   | 97       |
| 25) Chloroform                | 4.272   | 83    | 478407   | 49.725   | ug/L   | 98       |

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 Sample : P4184-12MS  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 EY039MS

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 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 27 00:49:09 2024  
 Response via : Initial Calibration

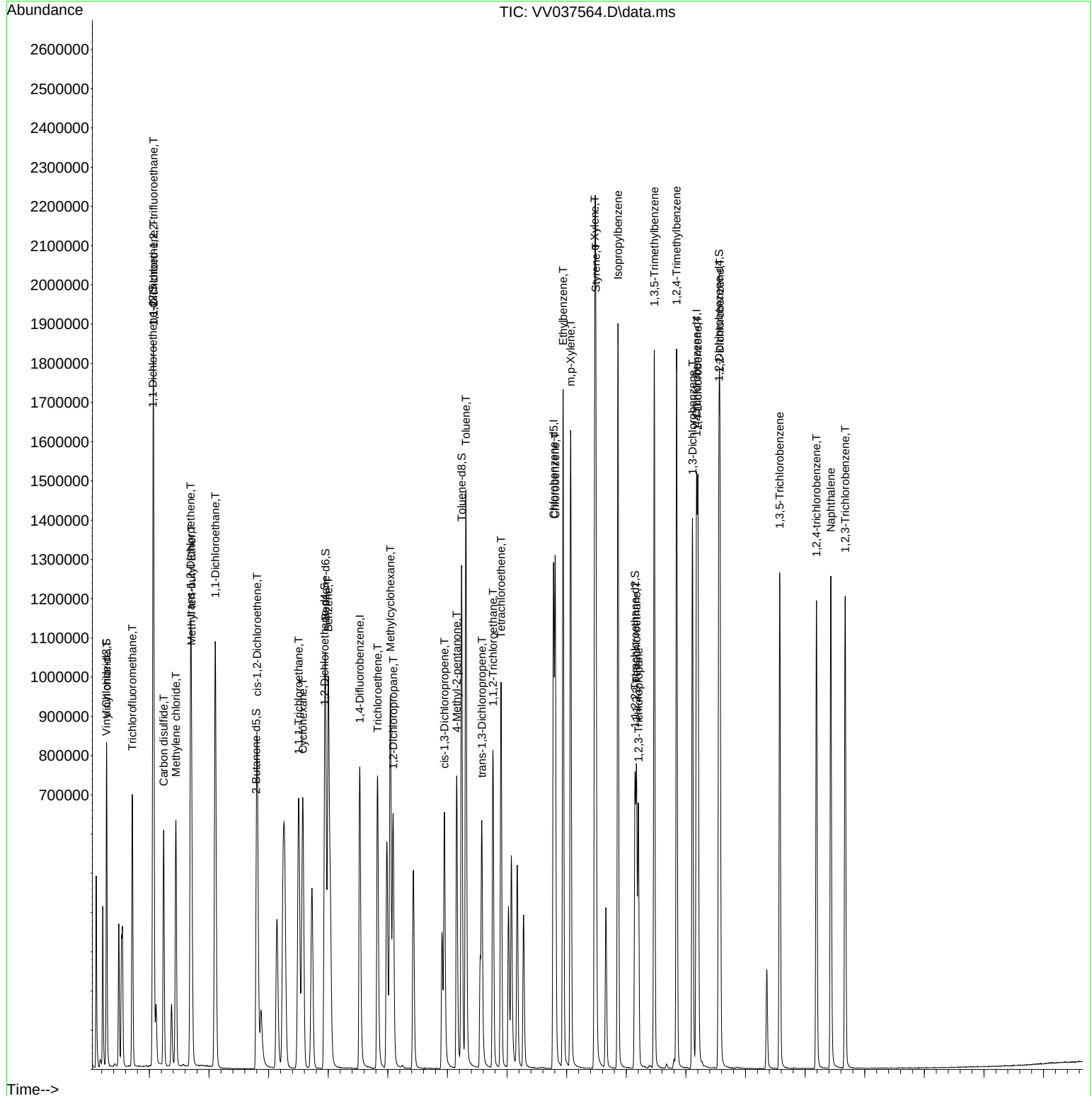
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 349807   | 51.502  | ug/L  | 100      |
| 29) Cyclohexane               | 4.574  | 56   | 383686   | 51.370  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 576592   | 71.166  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 357145   | 50.701  | ug/L  | 99       |
| 33) Benzene                   | 5.002  | 78   | 1025964  | 51.713  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 276205   | 52.277  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.043  | 83   | 414767   | 51.029  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 264834   | 51.694  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.429  | 83   | 351926   | 51.387  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 422247   | 51.632  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 473359   | 113.480 | ug/L  | 99       |
| 42) Toluene                   | 7.310  | 91   | 1084859  | 52.746  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 377127   | 51.221  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 254702   | 51.776  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.899  | 164  | 218985   | 54.209  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.072  | 43   | 323337   | 99.687  | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.172  | 129  | 268871   | 51.642  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 261301   | 51.386  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.809  | 112  | 700569   | 49.995  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.940  | 91   | 1201094  | 51.879  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.066  | 106  | 457406   | 53.085  | ug/L  | 98       |
| 54) o-Xylene                  | 9.471  | 106  | 445112   | 52.913  | ug/L  | 95       |
| 55) Styrene                   | 9.490  | 104  | 791604   | 54.056  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 365794   | 53.334  | ug/L  | 98       |
| 59) Bromoform                 | 9.657  | 173  | 180342   | 52.442  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.860  | 105  | 1202224  | 52.556  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 264417   | 52.813  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 963882   | 53.297  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 969542   | 53.881  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 557020   | 50.590  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 573192   | 49.994  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.571 | 146  | 548545   | 50.396  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 63887    | 52.567  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 374692   | 49.486  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 349363   | 49.731  | ug/L  | 100      |
| 71) Naphthalene               | 13.432 | 128  | 993701   | 54.140  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 349992   | 50.450  | ug/L  | 99       |

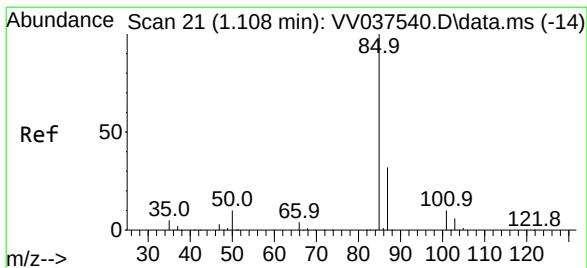
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P4184-12MS  
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Quant Title : VOC Analysis  
QLast Update : Fri Sep 27 00:49:09 2024  
Response via : Initial Calibration

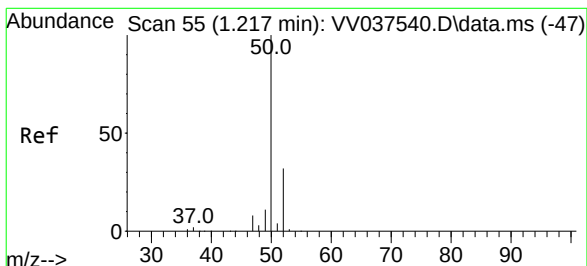
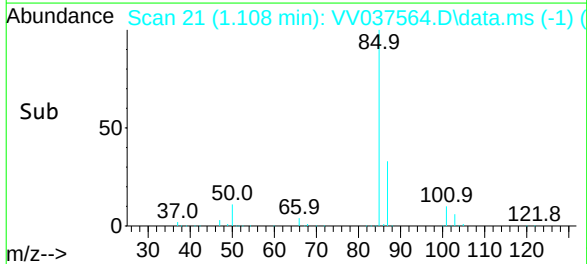
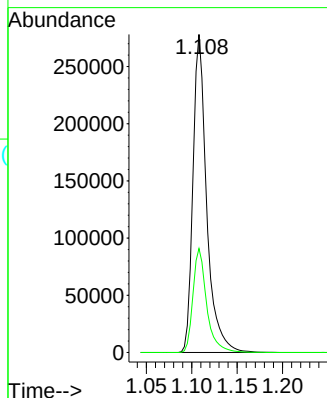
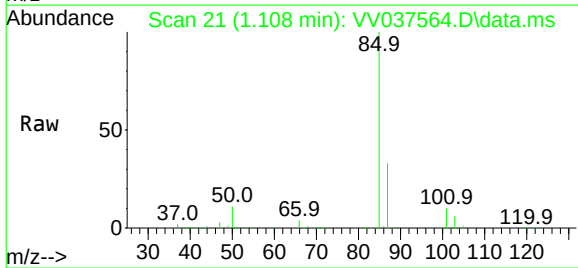




#2  
Dichlorodifluoromethane  
Concen: 49.792 ug/L  
RT: 1.108 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

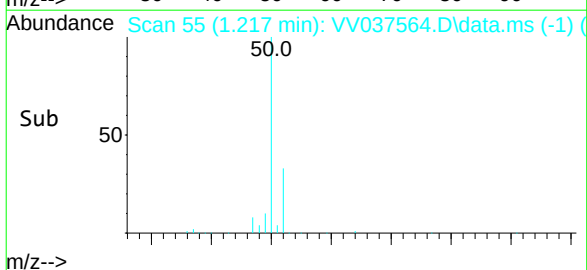
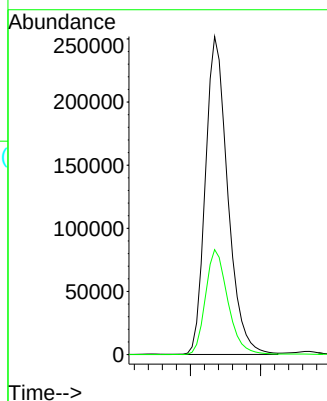
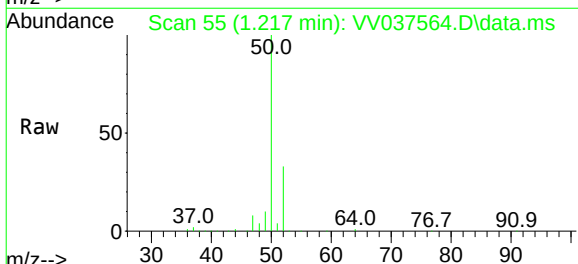
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY039MS

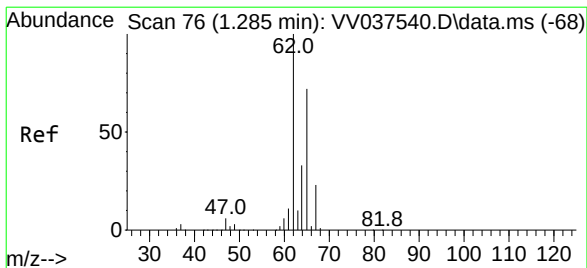
Tgt Ion: 85 Resp: 291901  
Ion Ratio Lower Upper  
85 100  
87 32.7 25.8 38.8



#3  
Chloromethane  
Concen: 49.029 ug/L  
RT: 1.217 min Scan# 55  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

Tgt Ion: 50 Resp: 279047  
Ion Ratio Lower Upper  
50 100  
52 33.0 23.2 43.2





#5

Vinyl chloride

Concen: 50.953 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

Instrument :

MSVOA\_V

ClientSampleId :

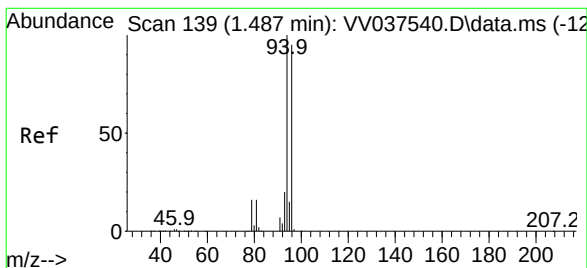
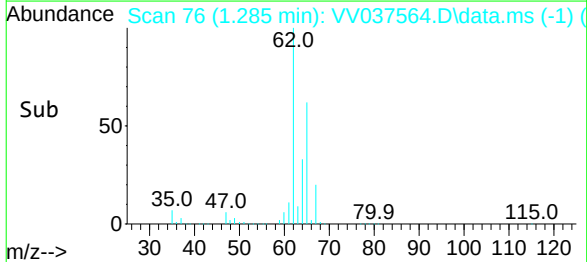
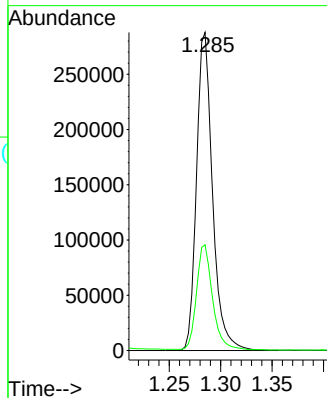
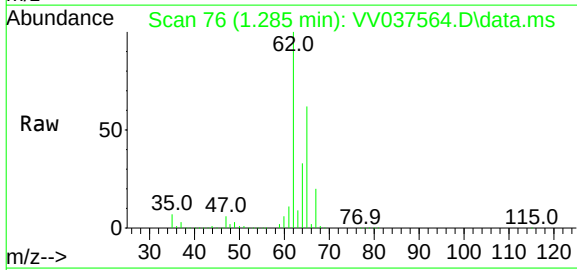
EY039MS

Tgt Ion: 62 Resp: 310896

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.0



#6

Bromomethane

Concen: 46.581 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV037564.D

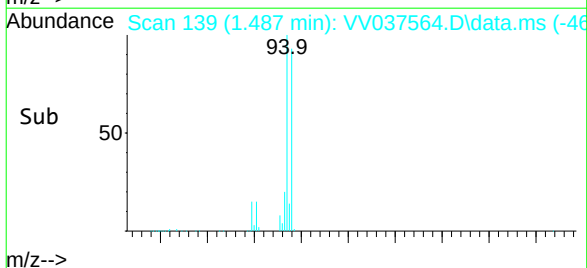
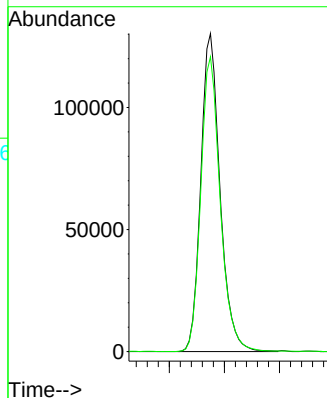
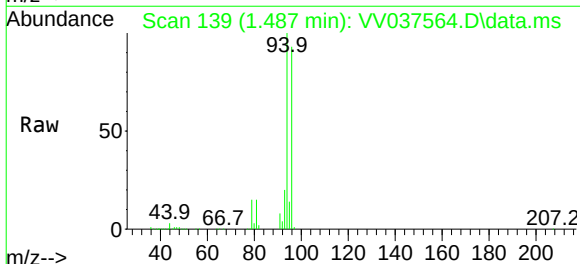
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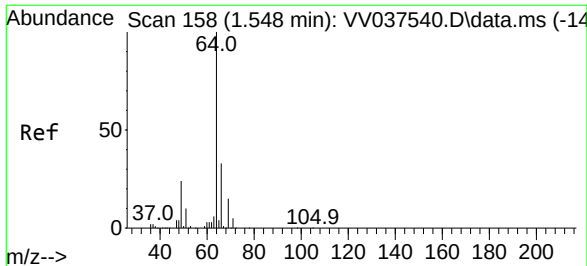
Tgt Ion: 94 Resp: 157730

Ion Ratio Lower Upper

94 100

96 92.7 65.8 122.2

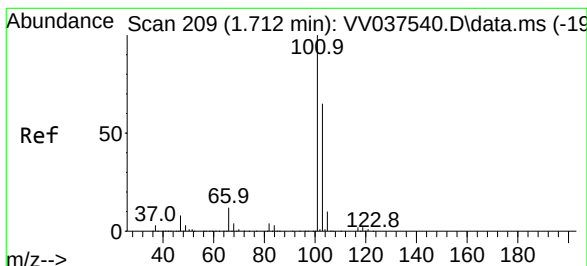
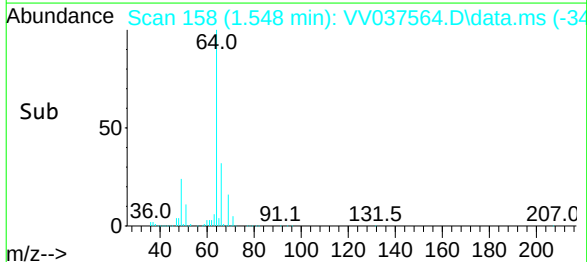
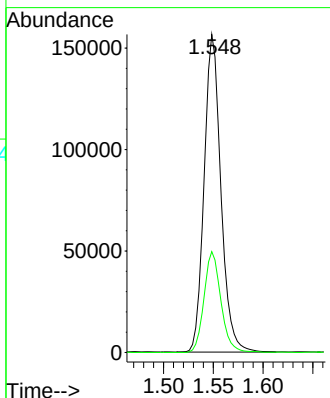
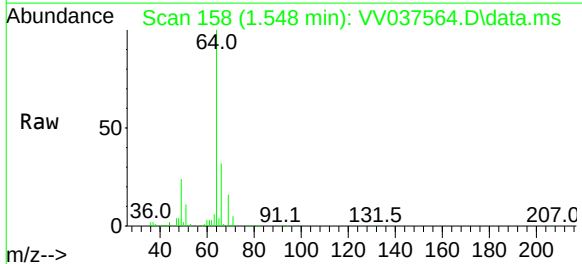




#8  
Chloroethane  
Concen: 48.748 ug/L  
RT: 1.548 min Scan# 158  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

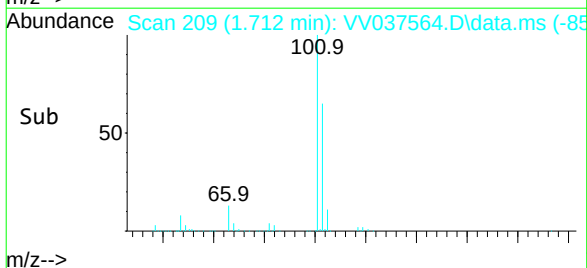
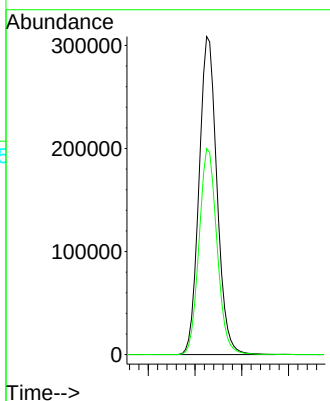
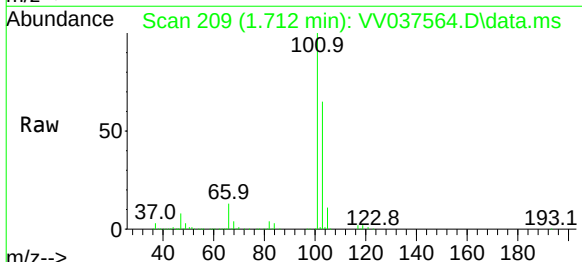
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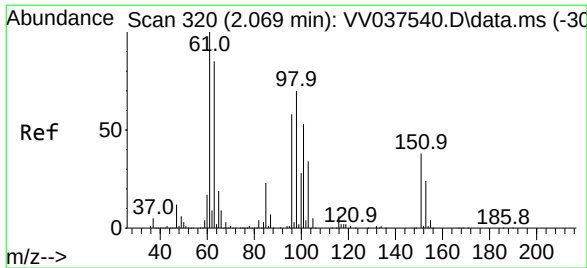
Tgt Ion: 64 Resp: 183332  
Ion Ratio Lower Upper  
64 100  
66 31.7 22.2 41.2



#9  
Trichlorofluoromethane  
Concen: 50.017 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

Tgt Ion: 101 Resp: 410800  
Ion Ratio Lower Upper  
101 100  
103 64.8 52.2 78.4

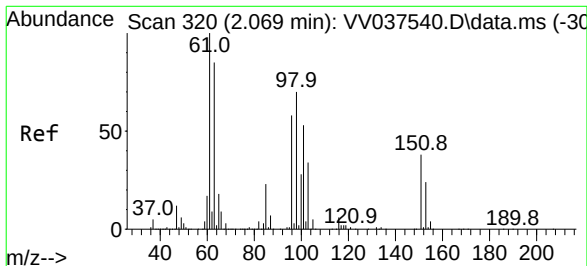
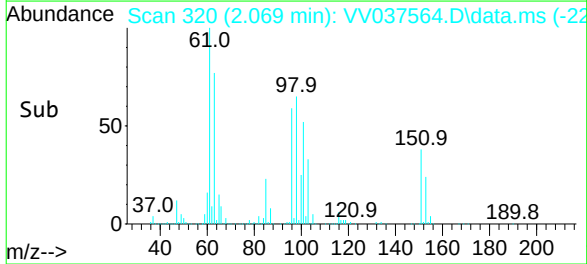
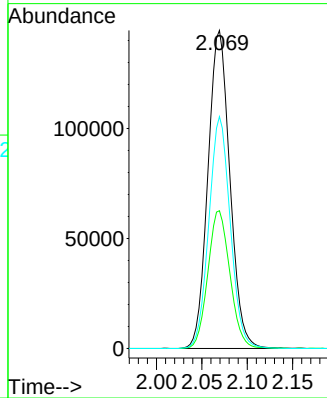
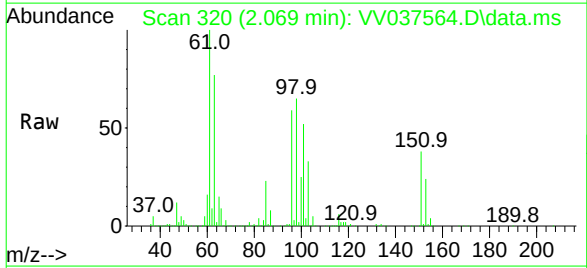




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 49.567 ug/L  
RT: 2.069 min Scan# 320  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

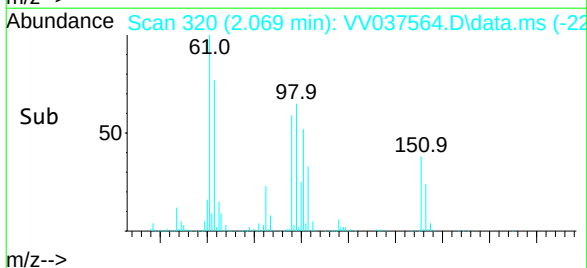
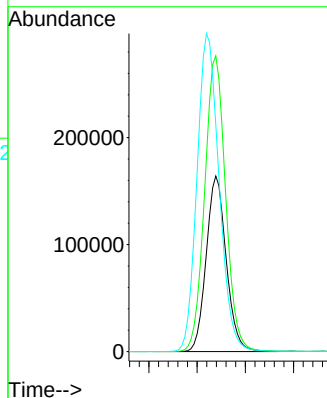
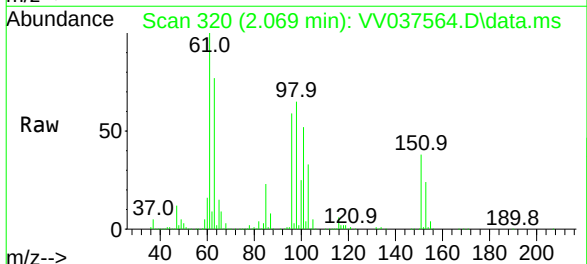
Instrument :  
MSVOA\_V  
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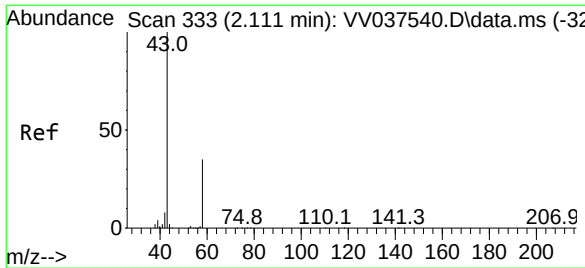
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Ion Ratio Lower Upper  
101 100  
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151 71.2 57.5 86.3



#12  
1,1-Dichloroethene  
Concen: 51.497 ug/L  
RT: 2.069 min Scan# 320  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

Tgt Ion: 96 Resp: 236092  
Ion Ratio Lower Upper  
96 100  
61 168.4 122.6 227.6  
63 129.3 118.0 219.2





#13

Acetone

Concen: 71.589 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

Instrument :

MSVOA\_V

ClientSampleId :

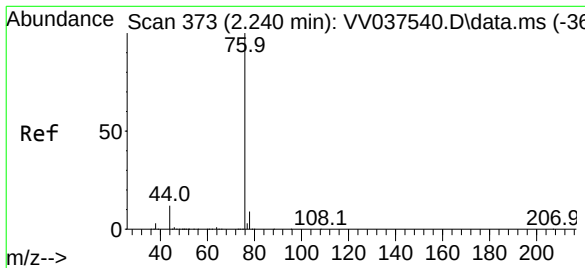
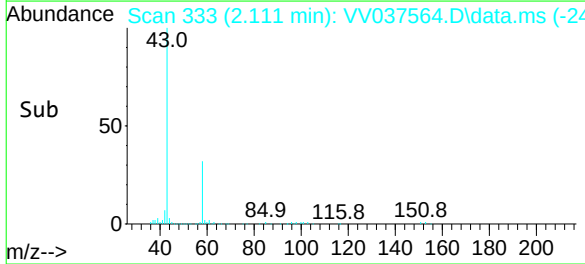
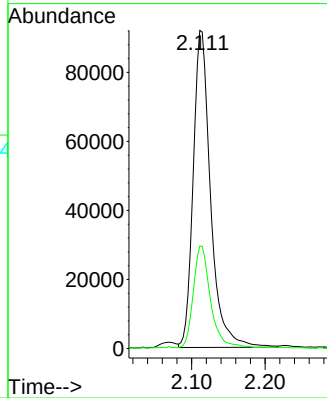
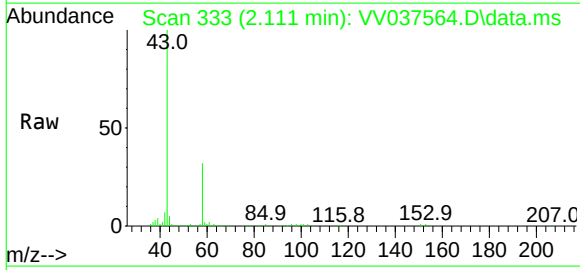
EY039MS

Tgt Ion: 43 Resp: 151107

Ion Ratio Lower Upper

43 100

58 32.6 0.0 66.6



#14

Carbon disulfide

Concen: 46.869 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV037564.D

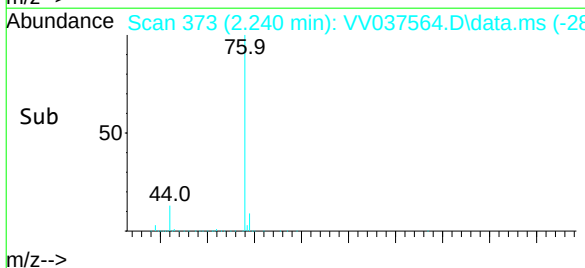
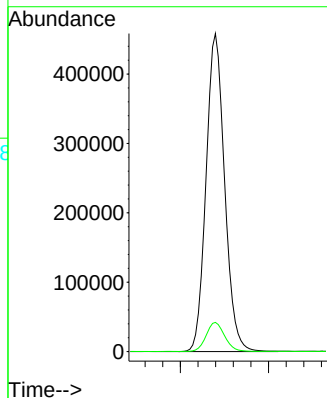
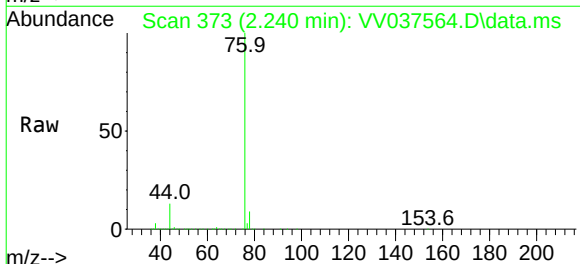
Acq: 26 Sep 2024 21:10

Tgt Ion: 76 Resp: 670725

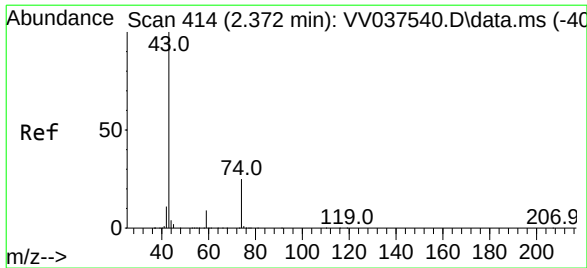
Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



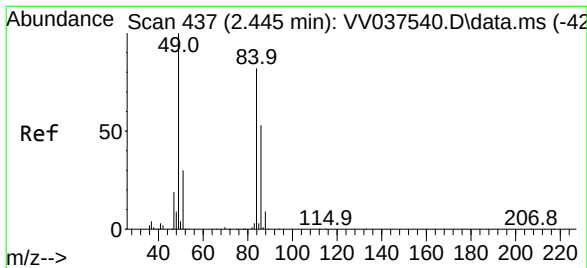
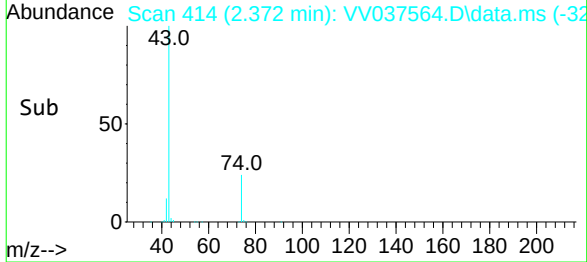
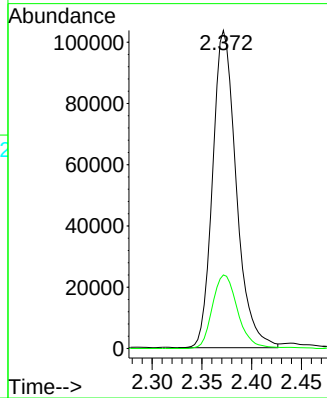
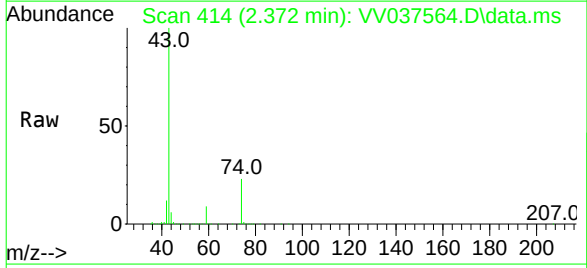




#15  
Methyl Acetate  
Concen: 46.512 ug/L  
RT: 2.372 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

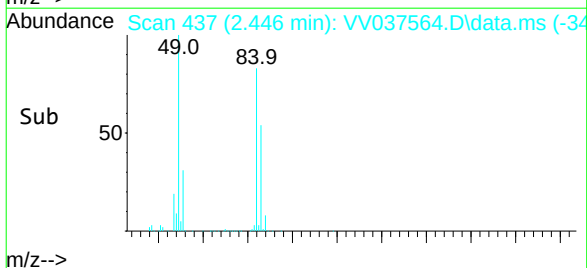
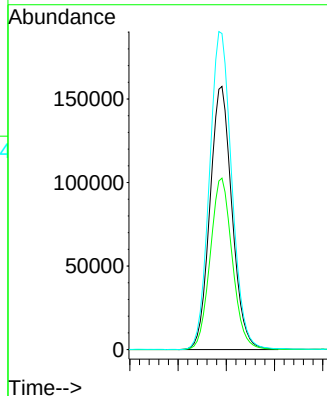
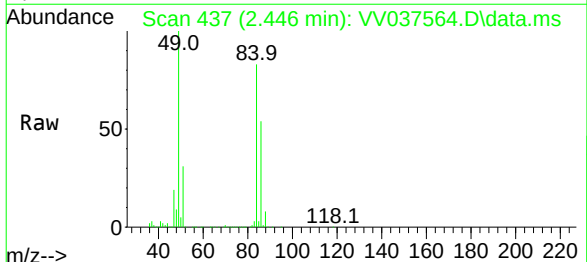
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY039MS

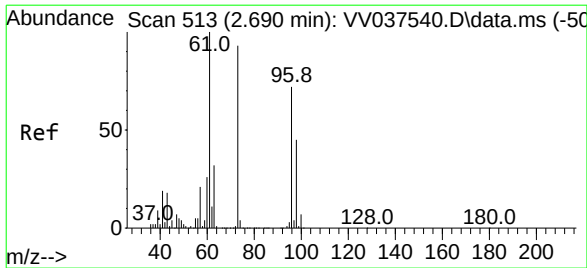
Tgt Ion: 43 Resp: 171330  
Ion Ratio Lower Upper  
43 100  
74 24.7 19.4 29.0



#16  
Methylene chloride  
Concen: 48.379 ug/L  
RT: 2.446 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

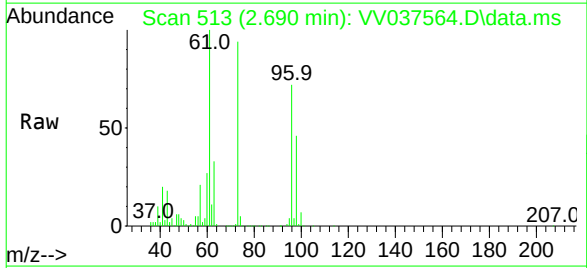
Tgt Ion: 84 Resp: 251136  
Ion Ratio Lower Upper  
84 100  
86 65.1 46.4 86.2  
49 120.1 85.9 159.5



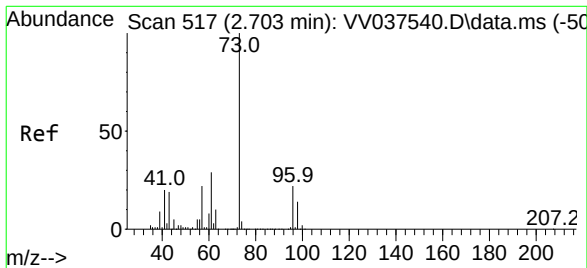
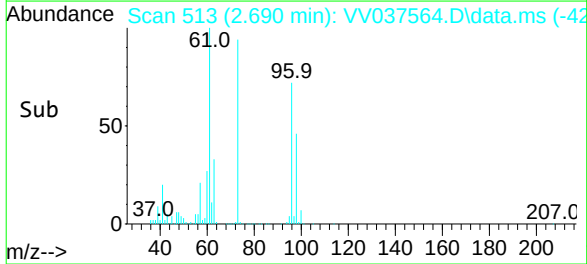
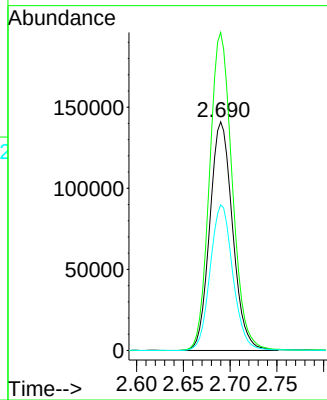


#17  
trans-1,2-Dichloroethene  
Concen: 49.334 ug/L  
RT: 2.690 min Scan# 513  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

Instrument :  
MSVOA\_V  
ClientSampleId :  
EY039MS

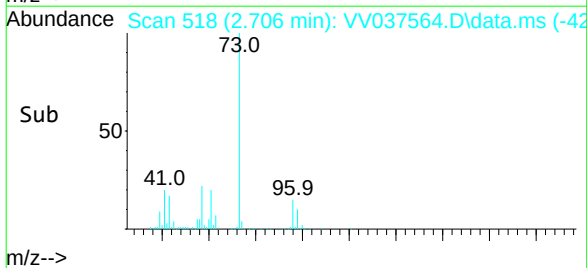
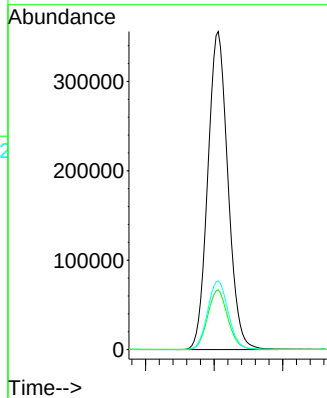
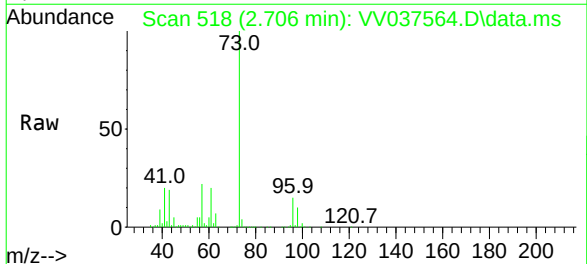


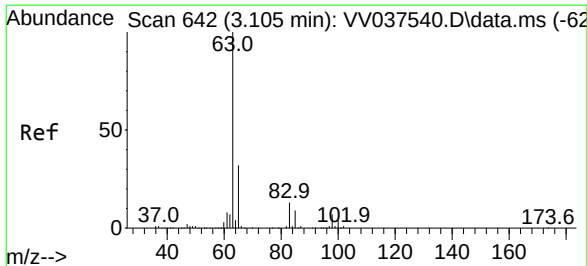
Tgt Ion: 96 Resp: 239272  
Ion Ratio Lower Upper  
96 100  
61 139.1 97.3 180.7  
98 63.7 43.9 81.5



#18  
Methyl tert-butyl Ether  
Concen: 52.157 ug/L  
RT: 2.706 min Scan# 518  
Delta R.T. 0.003 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

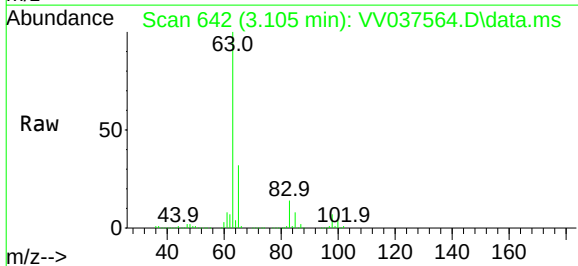
Tgt Ion: 73 Resp: 725755  
Ion Ratio Lower Upper  
73 100  
43 18.7 15.1 22.7  
57 22.2 17.4 26.2



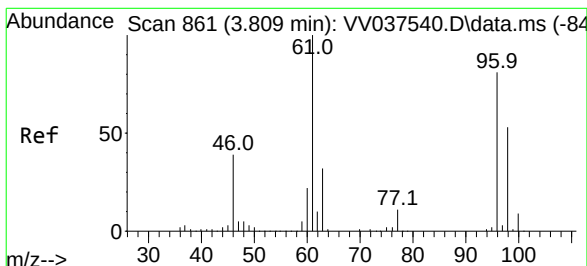
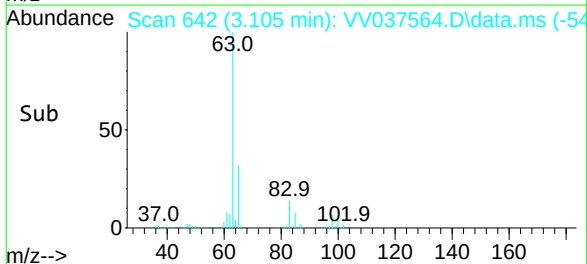
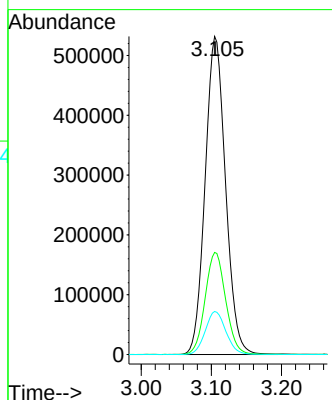


#19  
1,1-Dichloroethane  
Concen: 115.603 ug/L  
RT: 3.105 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

Instrument :  
MSVOA\_V  
ClientSampleId :  
EY039MS

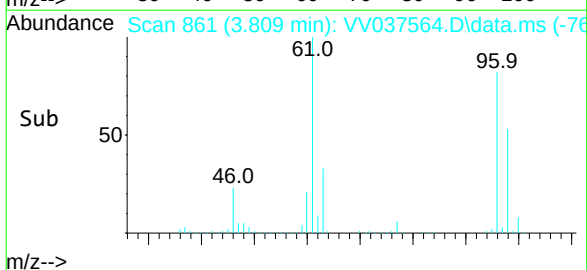
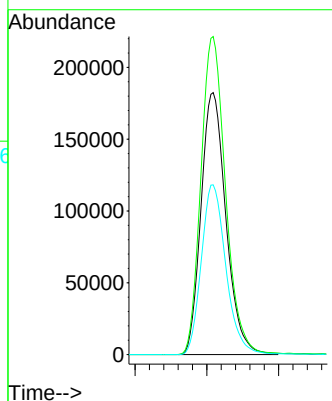
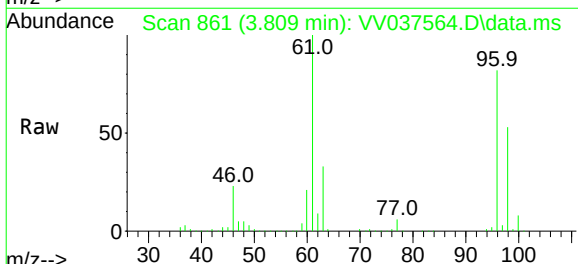


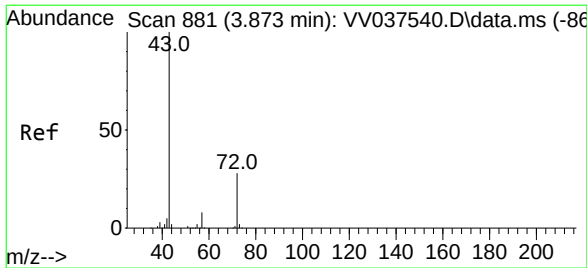
Tgt Ion: 63 Resp: 1074247  
Ion Ratio Lower Upper  
63 100  
65 32.1 22.4 41.6  
83 13.5 9.5 17.7



#20  
cis-1,2-Dichloroethene  
Concen: 81.078 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

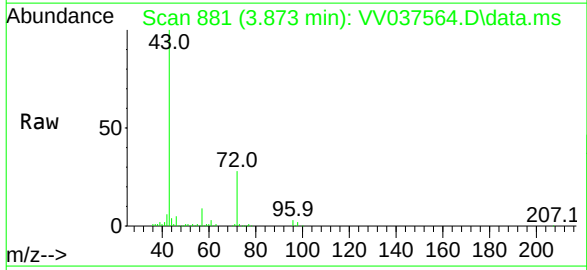
Tgt Ion: 96 Resp: 440050  
Ion Ratio Lower Upper  
96 100  
61 121.4 85.0 157.8  
98 64.8 44.2 82.0



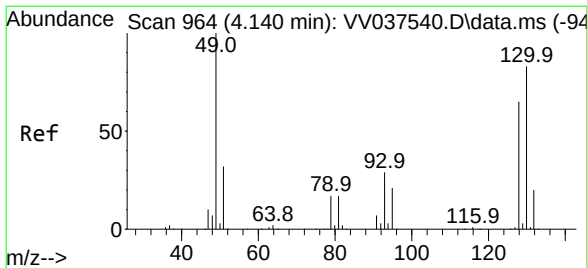
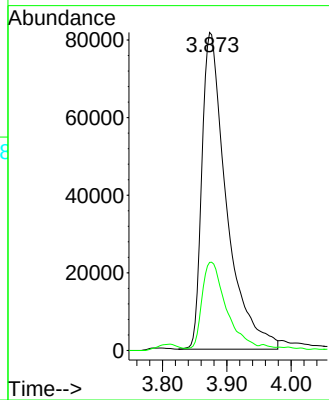
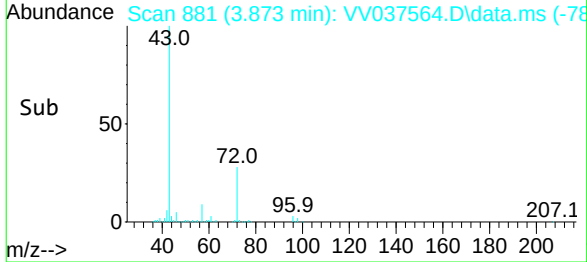


#22  
2-Butanone  
Concen: 92.804 ug/L  
RT: 3.873 min Scan# 881  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

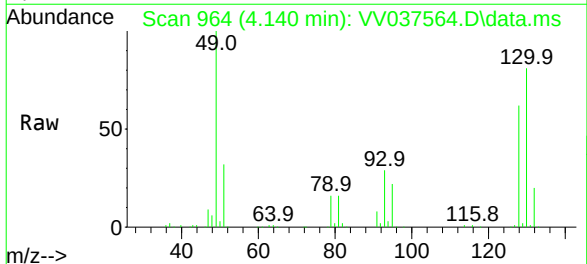
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY039MS



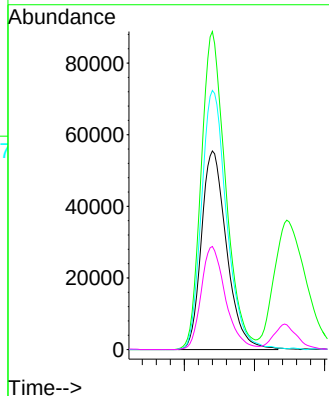
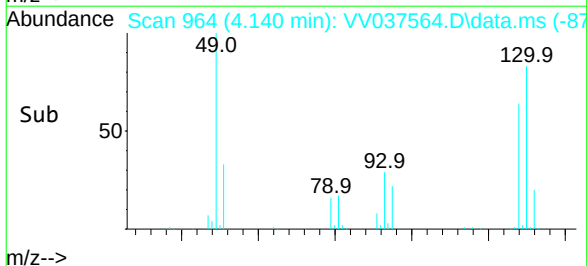
Tgt Ion: 43 Resp: 216815  
Ion Ratio Lower Upper  
43 100  
72 26.6 14.3 42.9

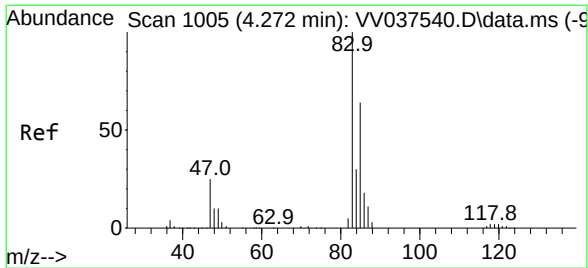


#23  
Bromochloromethane  
Concen: 49.315 ug/L  
RT: 4.140 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10



Tgt Ion: 128 Resp: 138454  
Ion Ratio Lower Upper  
128 100  
49 160.1 108.7 201.9  
130 130.5 90.4 168.0  
51 51.9 39.2 58.8

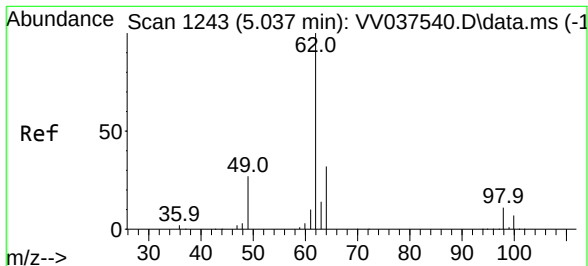
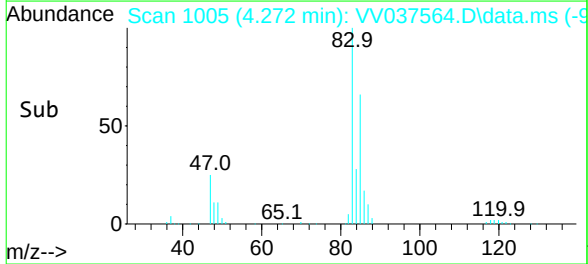
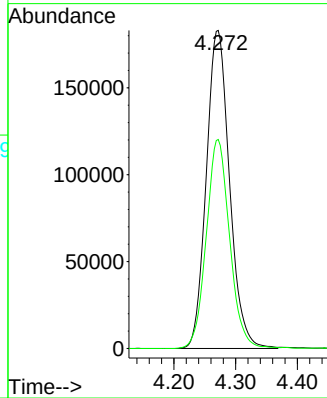
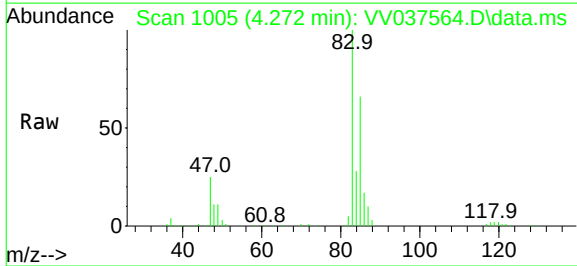




#25  
Chloroform  
Concen: 49.725 ug/L  
RT: 4.272 min Scan# 1005  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

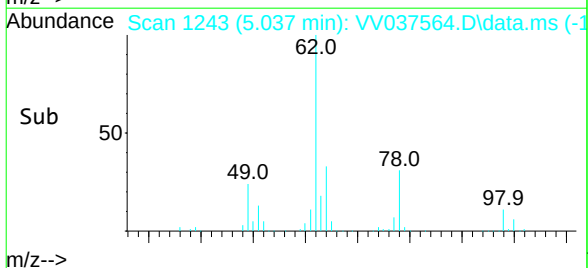
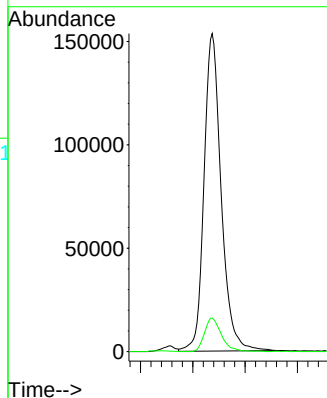
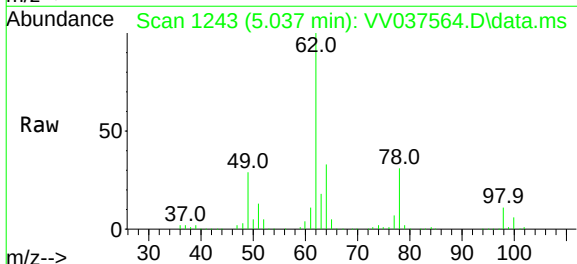
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY039MS

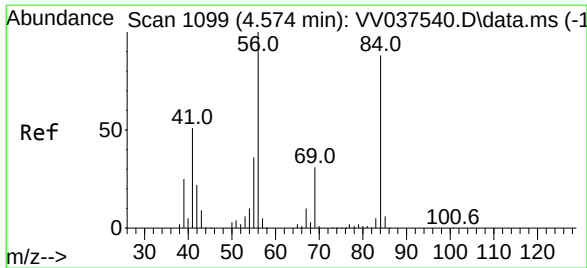
Tgt Ion: 83 Resp: 478407  
Ion Ratio Lower Upper  
83 100  
85 65.7 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 51.502 ug/L  
RT: 5.037 min Scan# 1243  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

Tgt Ion: 62 Resp: 349807  
Ion Ratio Lower Upper  
62 100  
98 10.6 8.4 12.6

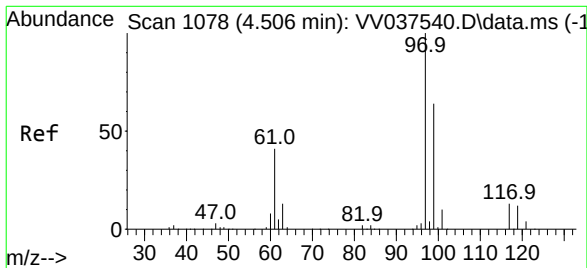
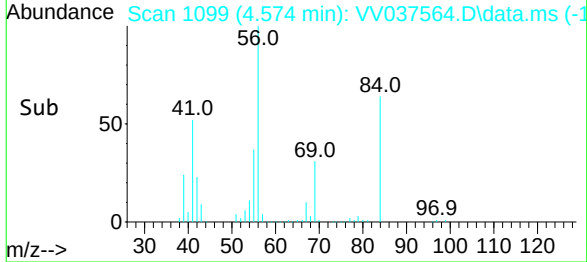
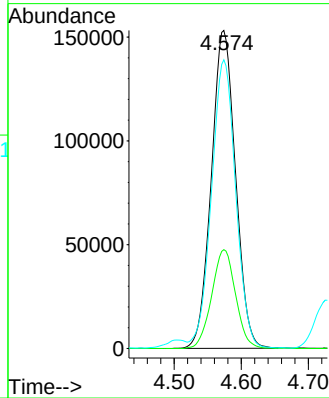
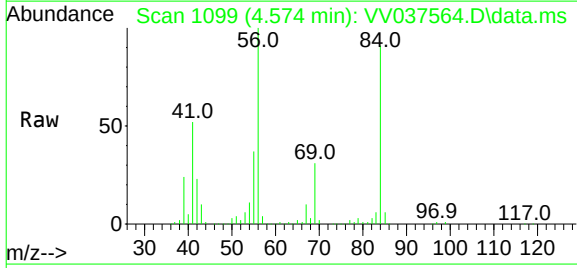




#29  
Cyclohexane  
Concen: 51.370 ug/L  
RT: 4.574 min Scan# 1099  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

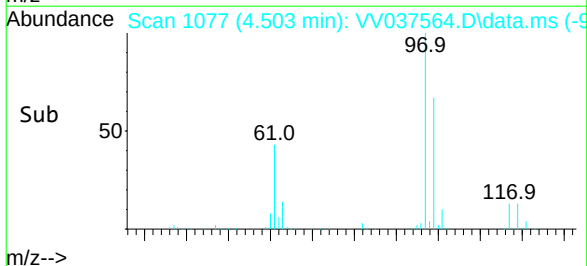
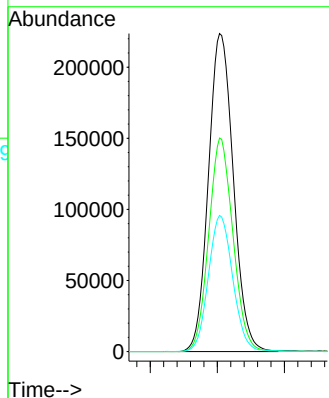
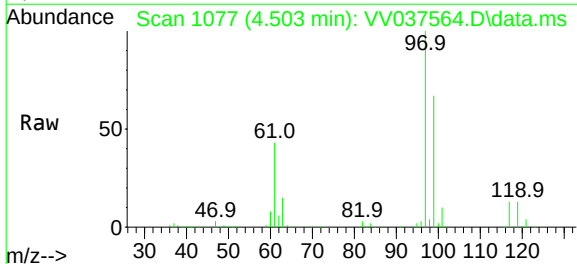
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY039MS

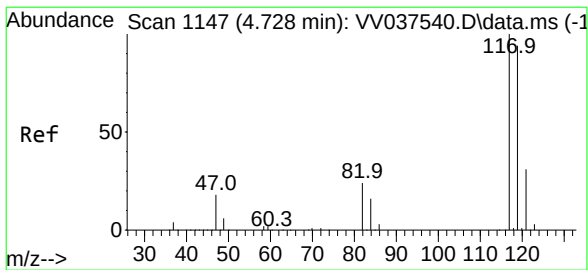
Tgt Ion: 56 Resp: 383686  
Ion Ratio Lower Upper  
56 100  
69 30.7 24.7 37.1  
84 91.0 73.4 110.0



#30  
1,1,1-Trichloroethane  
Concen: 71.166 ug/L  
RT: 4.503 min Scan# 1077  
Delta R.T. -0.003 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

Tgt Ion: 97 Resp: 576592  
Ion Ratio Lower Upper  
97 100  
99 65.5 51.8 77.6  
61 41.8 33.6 50.4

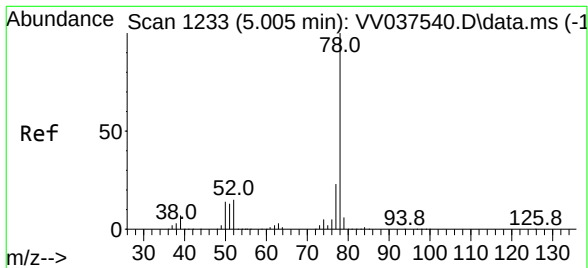
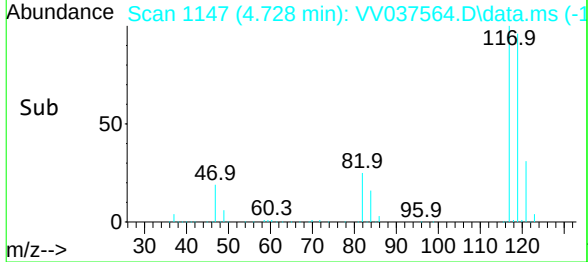
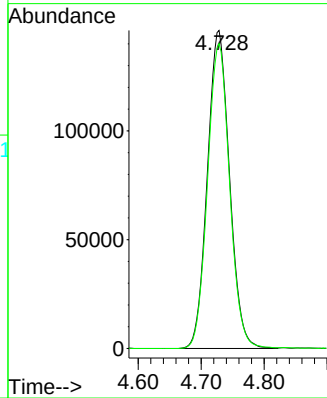
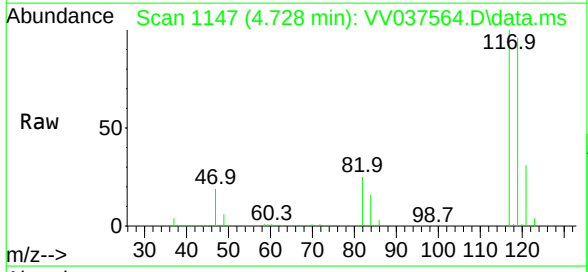




#31  
Carbon tetrachloride  
Concen: 50.701 ug/L  
RT: 4.728 min Scan# 1147  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

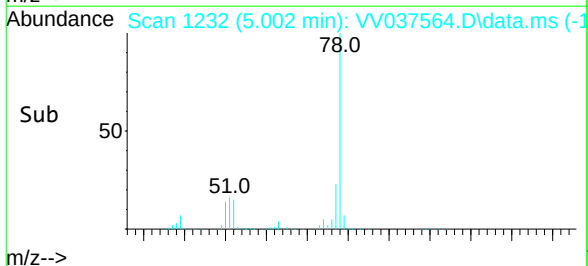
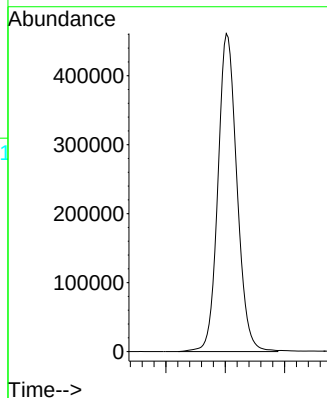
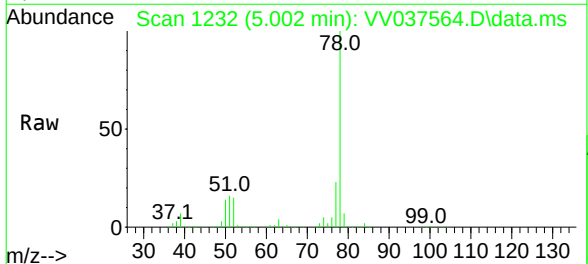
Instrument : MSVOA\_V  
ClientSampleId : EY039MS

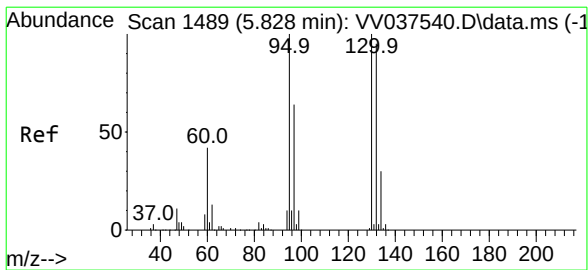
Tgt Ion: 117 Resp: 357145  
Ion Ratio Lower Upper  
117 100  
119 95.5 76.9 115.3



#33  
Benzene  
Concen: 51.713 ug/L  
RT: 5.002 min Scan# 1232  
Delta R.T. -0.003 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

Tgt Ion: 78 Resp: 1025964





#34

Trichloroethene

Concen: 52.277 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

Instrument :

MSVOA\_V

ClientSampleId :

EY039MS

Tgt Ion: 95 Resp: 276205

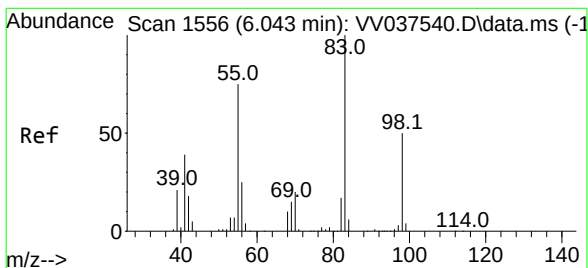
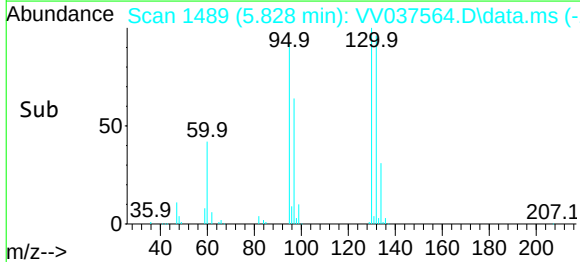
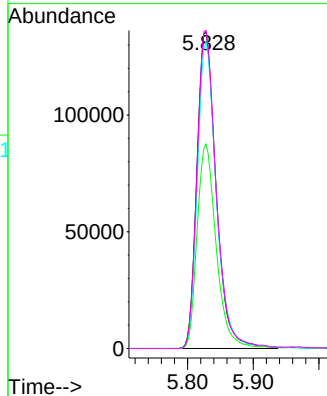
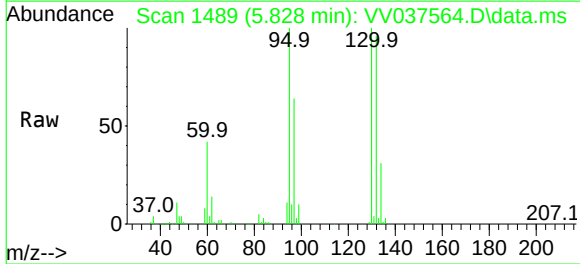
Ion Ratio Lower Upper

95 100

97 64.6 46.3 85.9

132 96.7 68.6 127.4

130 100.5 70.9 131.7



#35

Methylcyclohexane

Concen: 51.029 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

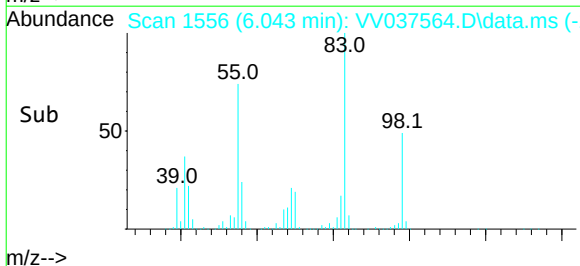
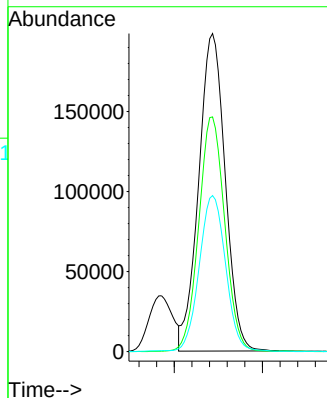
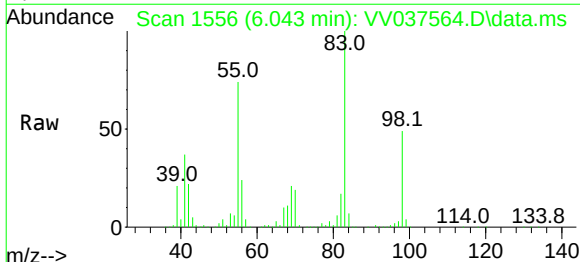
Tgt Ion: 83 Resp: 414767

Ion Ratio Lower Upper

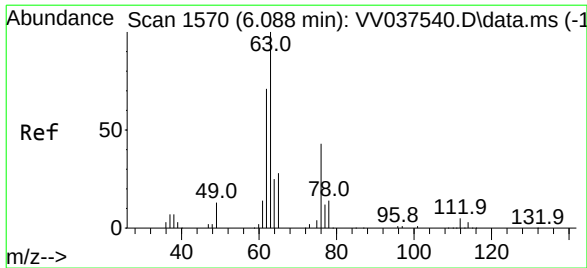
83 100

55 72.6 57.9 86.9

98 48.8 39.3 58.9



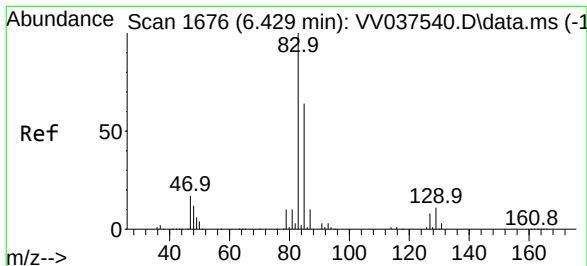
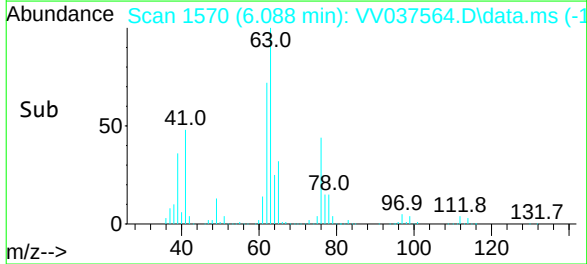
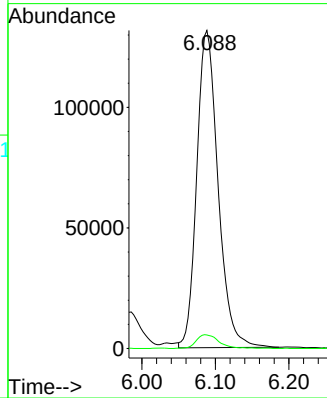
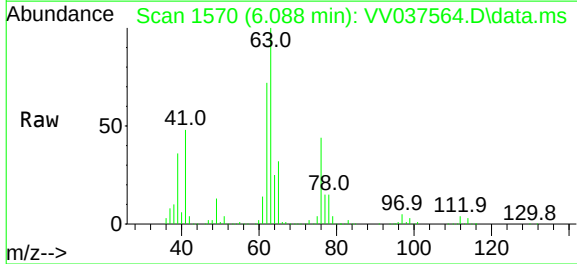




#37  
1,2-Dichloropropane  
Concen: 51.694 ug/L  
RT: 6.088 min Scan# 1570  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

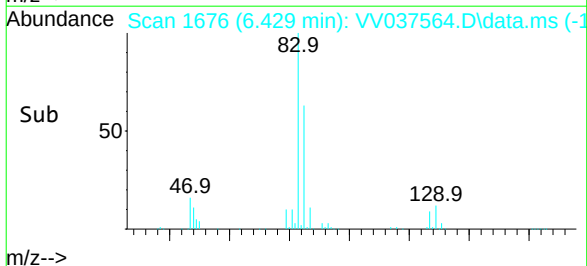
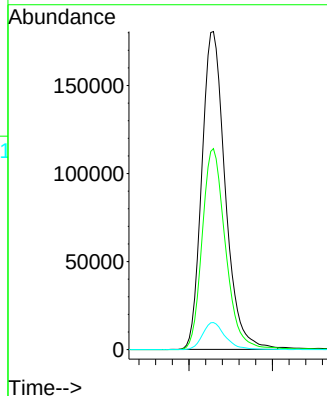
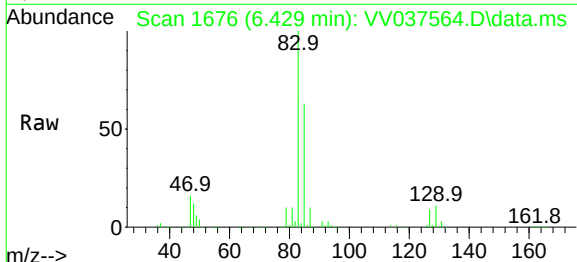
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY039MS

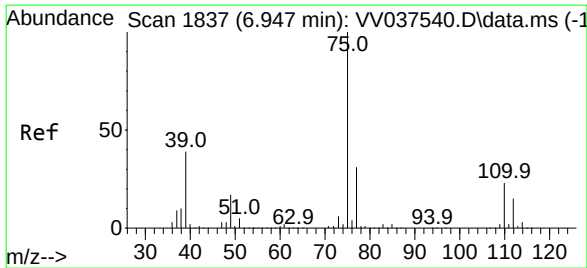
Tgt Ion: 63 Resp: 264834  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.5 5.3



#38  
Bromodichloromethane  
Concen: 51.387 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

Tgt Ion: 83 Resp: 351926  
Ion Ratio Lower Upper  
83 100  
85 63.2 45.7 84.9  
127 8.5 7.0 10.4

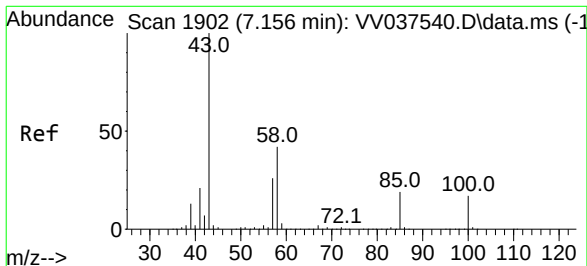
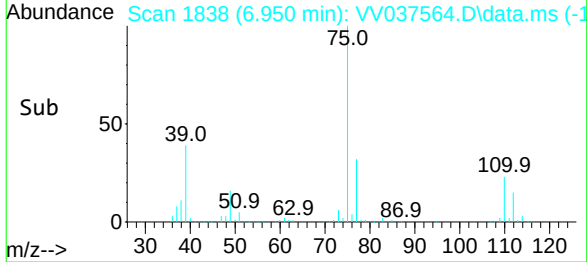
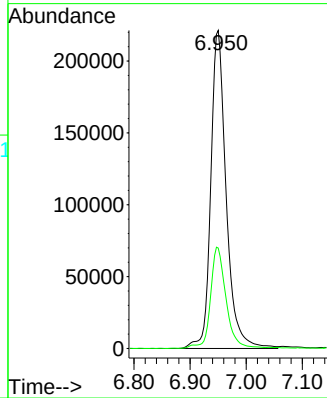
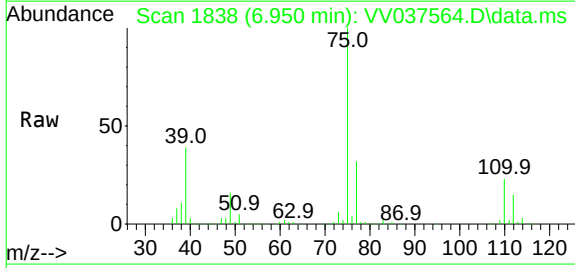




#39  
 cis-1,3-Dichloropropene  
 Concen: 51.632 ug/L  
 RT: 6.950 min Scan# 1837  
 Delta R.T. 0.003 min  
 Lab File: VV037564.D  
 Acq: 26 Sep 2024 21:10

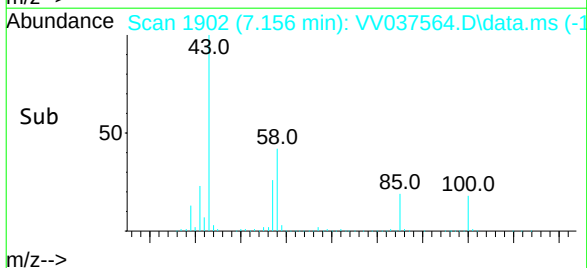
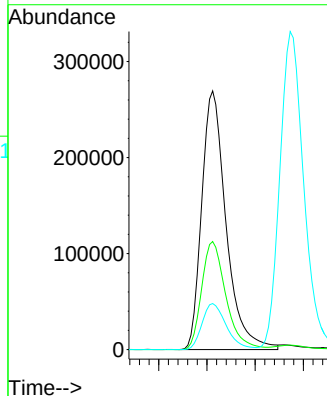
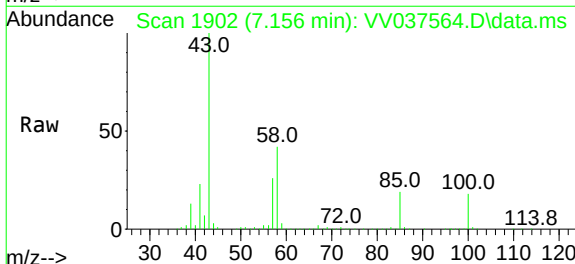
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY039MS

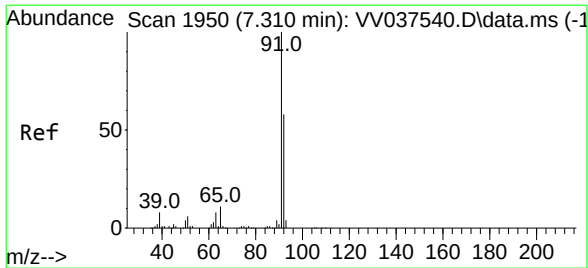
Tgt Ion: 75 Resp: 422247  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 21.8 40.4



#40  
 4-Methyl-2-pentanone  
 Concen: 113.480 ug/L  
 RT: 7.156 min Scan# 1902  
 Delta R.T. 0.000 min  
 Lab File: VV037564.D  
 Acq: 26 Sep 2024 21:10

Tgt Ion: 43 Resp: 473359  
 Ion Ratio Lower Upper  
 43 100  
 58 41.5 33.0 49.4  
 100 17.8 13.7 20.5



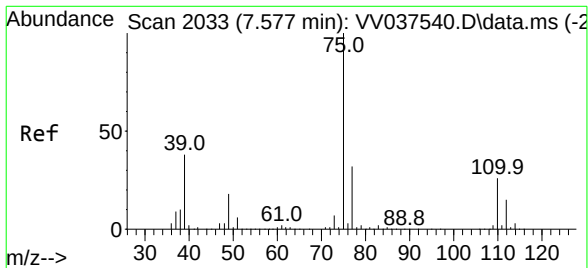
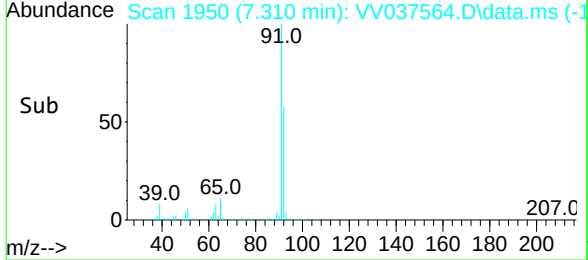
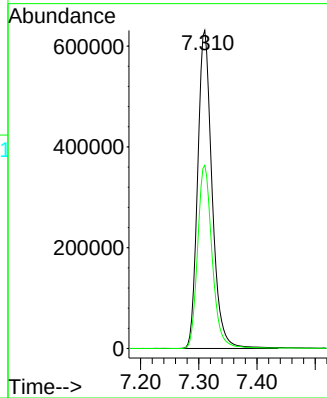
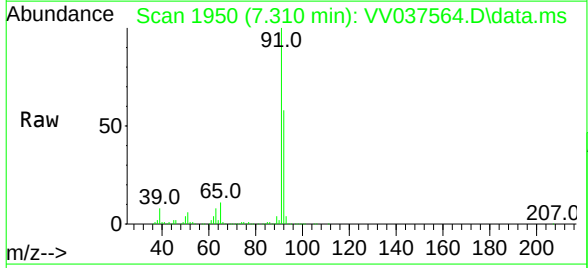


#42  
 Toluene  
 Concen: 52.746 ug/L  
 RT: 7.310 min Scan# 1950  
 Delta R.T. 0.000 min  
 Lab File: VV037564.D  
 Acq: 26 Sep 2024 21:10

Instrument : MSVOA\_V  
 ClientSampleId : EY039MS

Tgt Ion: 91 Resp: 1084859  

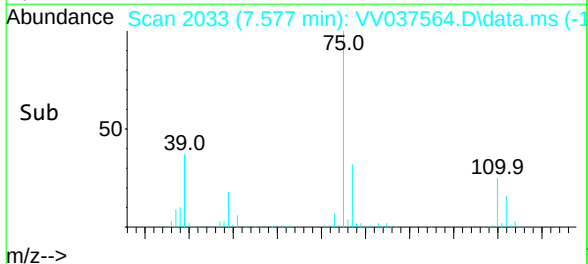
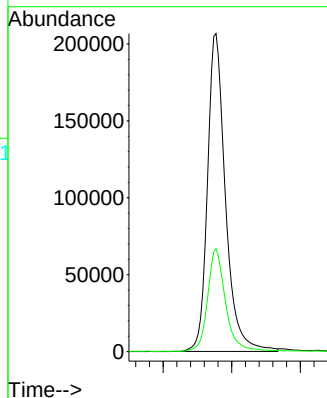
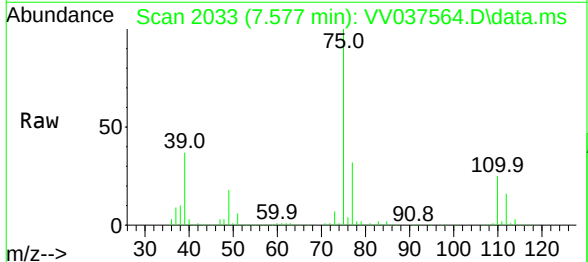
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 57.6  | 41.1  | 76.3  |

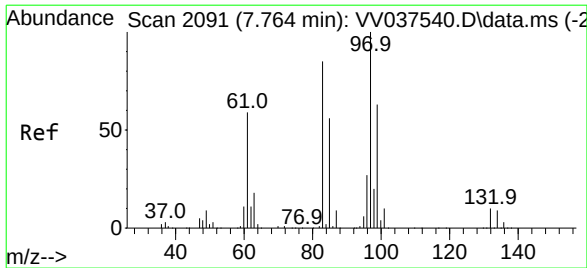


#44  
 trans-1,3-Dichloropropene  
 Concen: 51.221 ug/L  
 RT: 7.577 min Scan# 2033  
 Delta R.T. 0.000 min  
 Lab File: VV037564.D  
 Acq: 26 Sep 2024 21:10

Tgt Ion: 75 Resp: 377127  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.3  | 21.9  | 40.7  |





#45

1,1,2-Trichloroethane

Concen: 51.776 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

Instrument :

MSVOA\_V

ClientSampleId :

EY039MS

Tgt Ion: 97 Resp: 254702

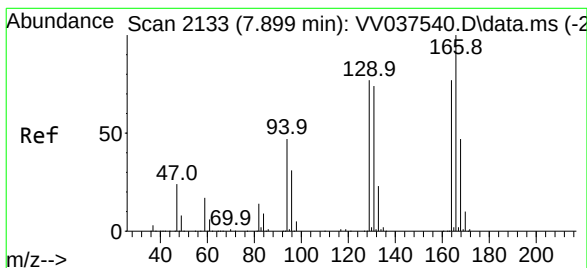
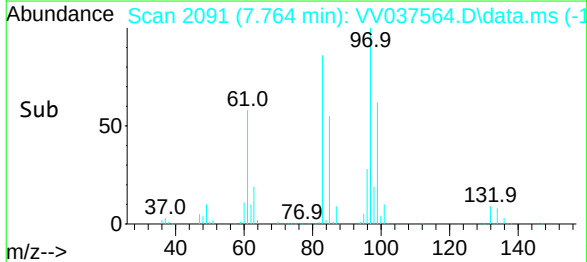
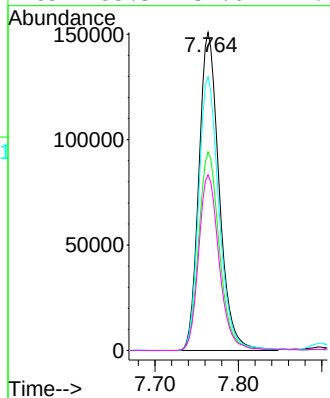
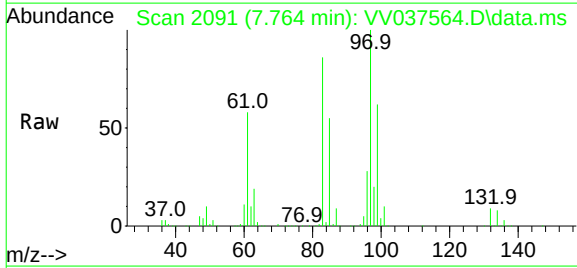
Ion Ratio Lower Upper

97 100

99 62.5 44.1 81.9

83 86.0 59.3 110.1

85 55.3 39.0 72.4



#46

Tetrachloroethene

Concen: 54.209 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

Tgt Ion: 164 Resp: 218985

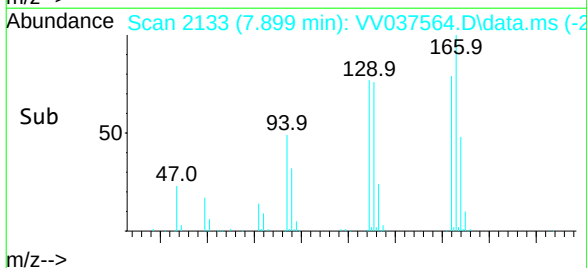
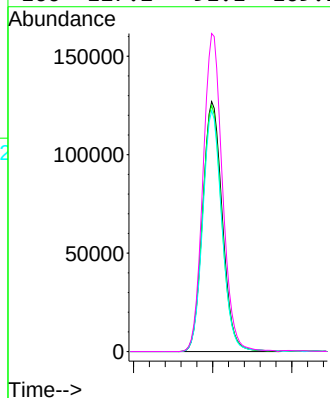
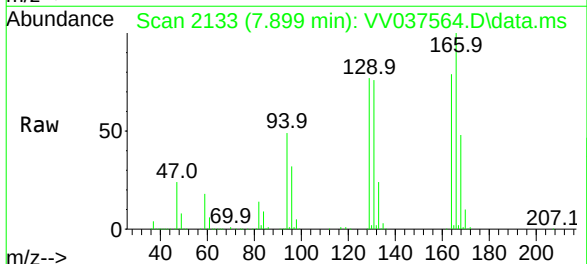
Ion Ratio Lower Upper

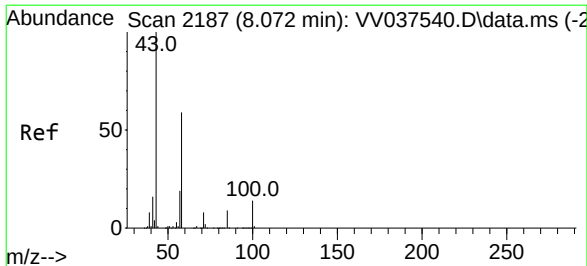
164 100

129 98.5 68.2 126.6

131 96.4 66.1 122.8

166 127.2 91.1 169.1

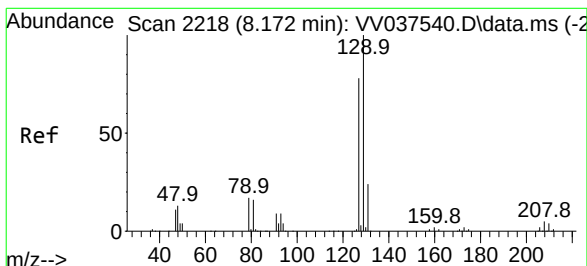
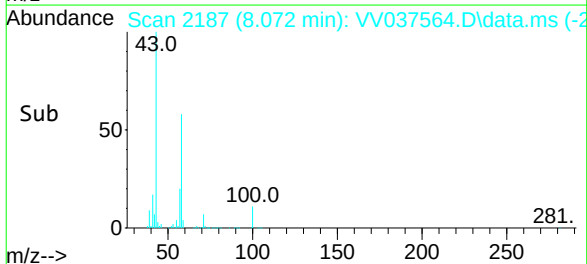
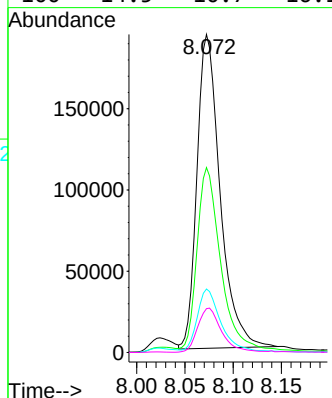
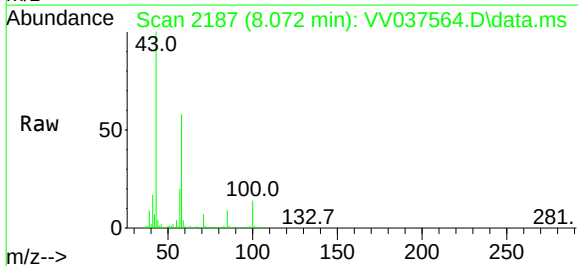




#48  
2-Hexanone  
Concen: 99.687 ug/L  
RT: 8.072 min Scan# 2187  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

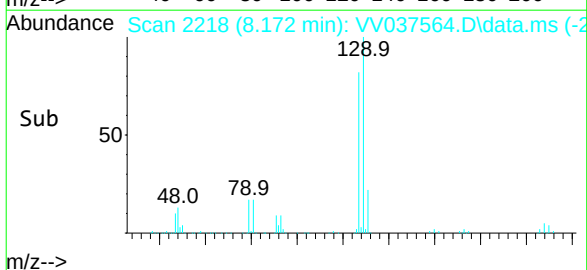
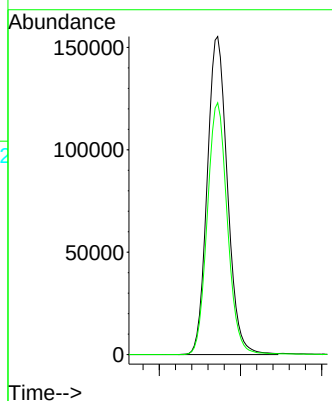
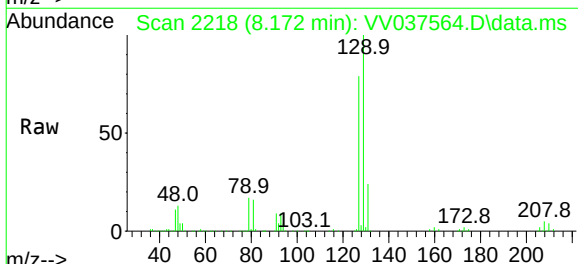
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY039MS

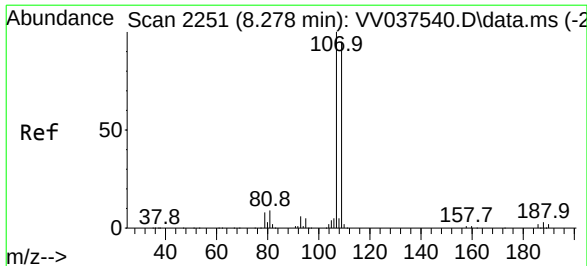
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 323337 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 60.7  | 46.5  | 69.7   |
| 57       | 20.7  | 15.1  | 22.7   |
| 100      | 14.5  | 10.7  | 16.1   |



#49  
Dibromochloromethane  
Concen: 51.642 ug/L  
RT: 8.172 min Scan# 2218  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 268871 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 79.2  | 54.9  | 101.9  |





#50

1,2-Dibromoethane

Concen: 51.386 ug/L

RT: 8.278 min Scan# 2251

Delta R.T. 0.000 min

Lab File: VV037564.D

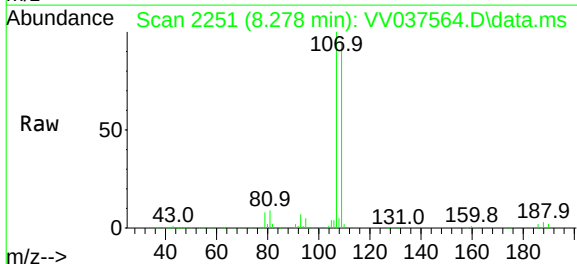
Acq: 26 Sep 2024 21:10

Instrument :

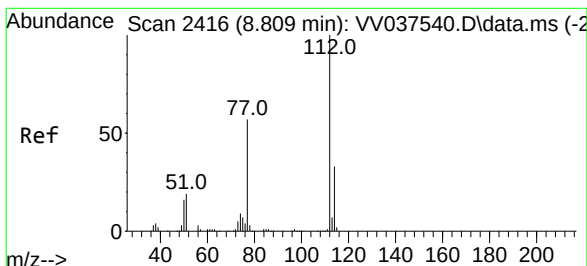
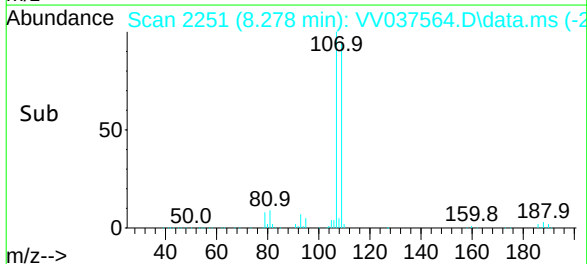
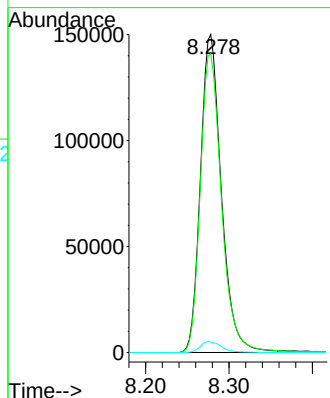
MSVOA\_V

ClientSampleId :

EY039MS



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 261301 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 109      | 93.9  | 65.7  | 121.9  |
| 188      | 3.2   | 2.8   | 4.2    |



#51

Chlorobenzene

Concen: 49.995 ug/L

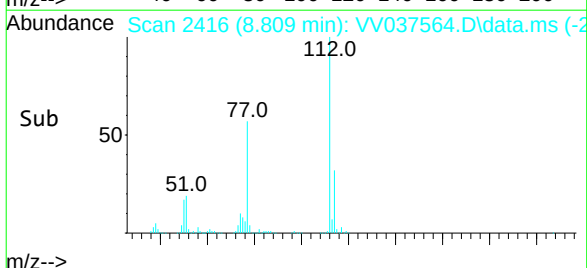
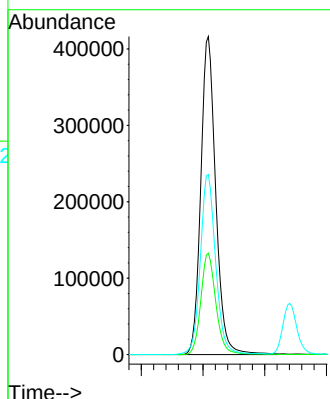
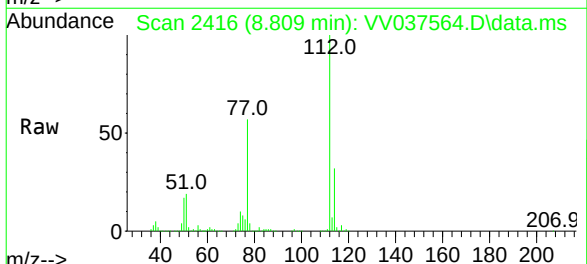
RT: 8.809 min Scan# 2416

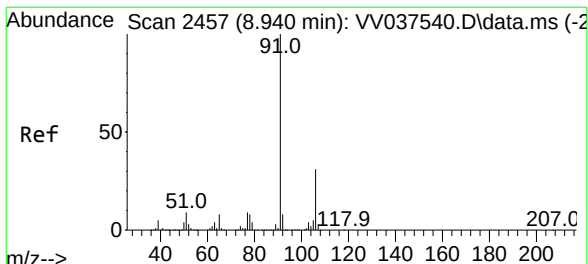
Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 700569 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.9  | 22.5  | 41.7   |
| 77       | 56.6  | 45.8  | 68.8   |

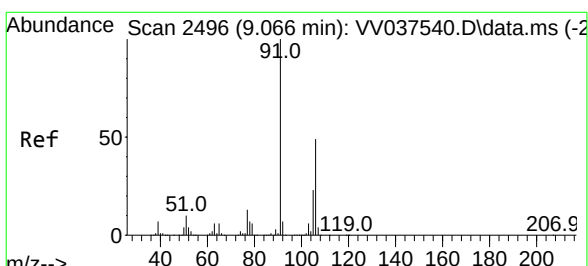
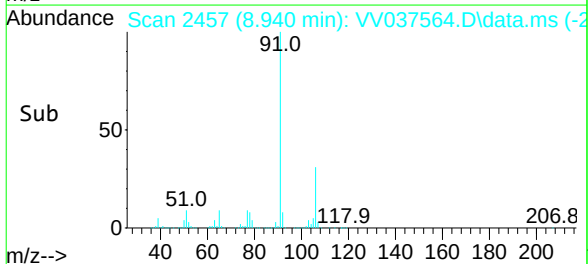
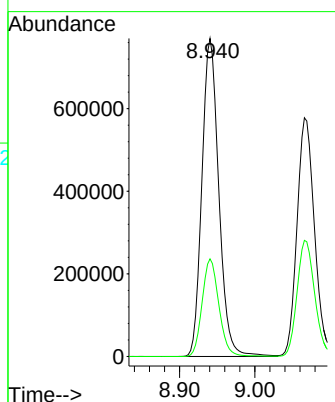
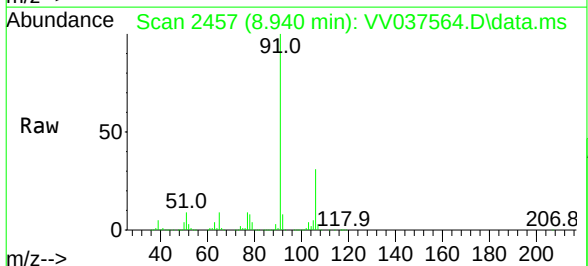




#52  
 Ethylbenzene  
 Concen: 51.879 ug/L  
 RT: 8.940 min Scan# 2457  
 Delta R.T. 0.000 min  
 Lab File: VV037564.D  
 Acq: 26 Sep 2024 21:10

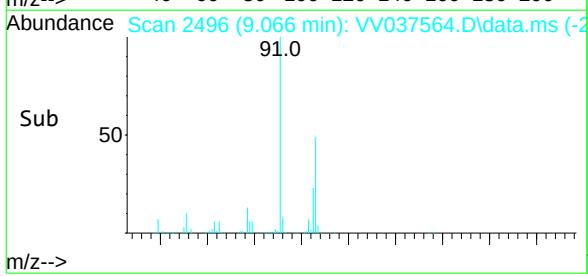
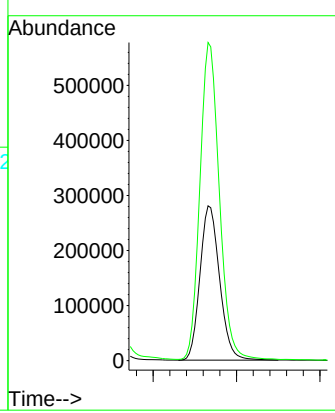
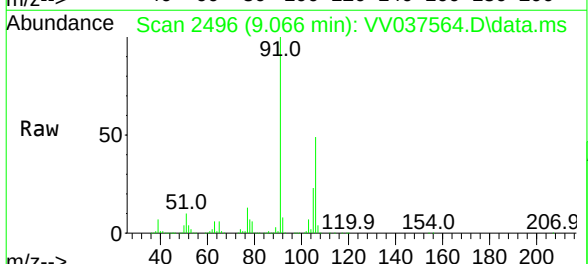
Instrument : MSVOA\_V  
 ClientSampleId : EY039MS

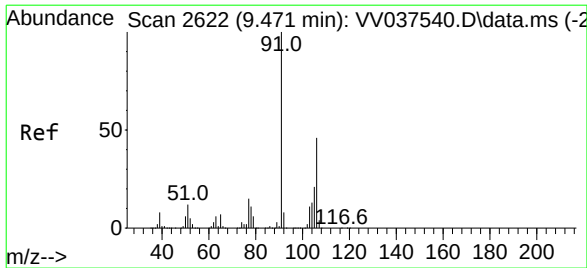
Tgt Ion: 91 Resp: 1201094  
 Ion Ratio Lower Upper  
 91 100  
 106 30.7 21.9 40.7



#53  
 m,p-Xylene  
 Concen: 53.085 ug/L  
 RT: 9.066 min Scan# 2496  
 Delta R.T. 0.000 min  
 Lab File: VV037564.D  
 Acq: 26 Sep 2024 21:10

Tgt Ion:106 Resp: 457406  
 Ion Ratio Lower Upper  
 106 100  
 91 205.5 142.0 263.6





#54

o-Xylene

Concen: 52.913 ug/L

RT: 9.471 min Scan# 2622

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

Instrument :

MSVOA\_V

ClientSampleId :

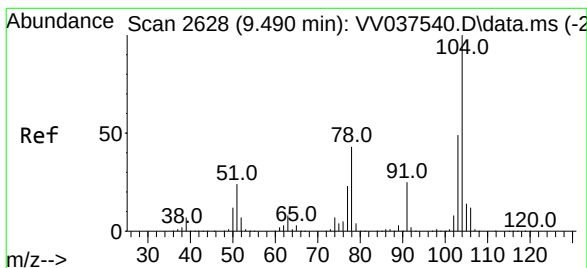
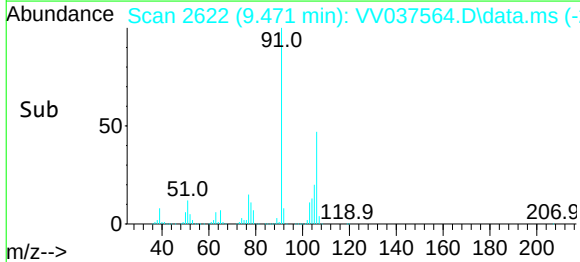
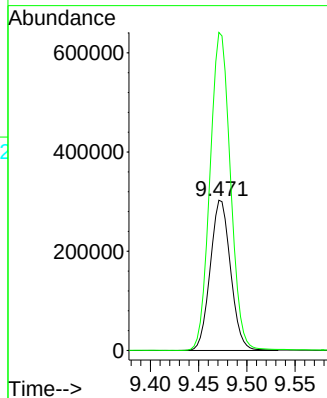
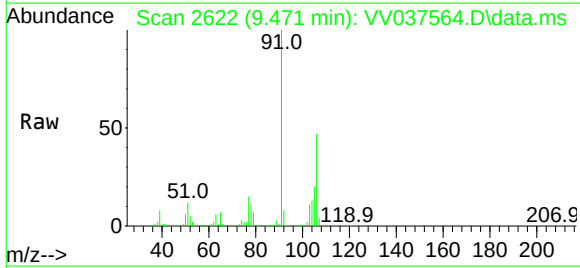
EY039MS

Tgt Ion:106 Resp: 445112

Ion Ratio Lower Upper

106 100

91 211.7 153.9 285.9



#55

Styrene

Concen: 54.056 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.000 min

Lab File: VV037564.D

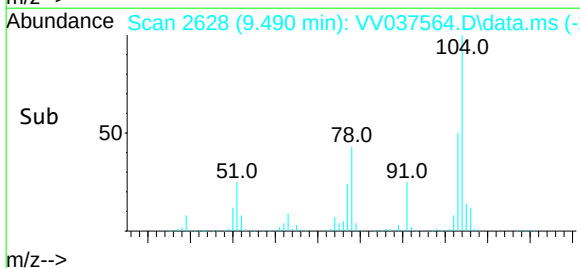
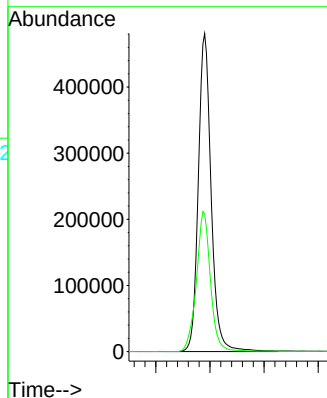
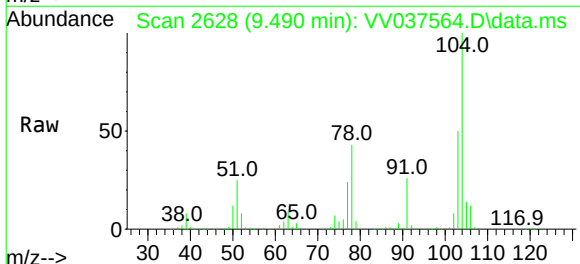
Acq: 26 Sep 2024 21:10

Tgt Ion:104 Resp: 791604

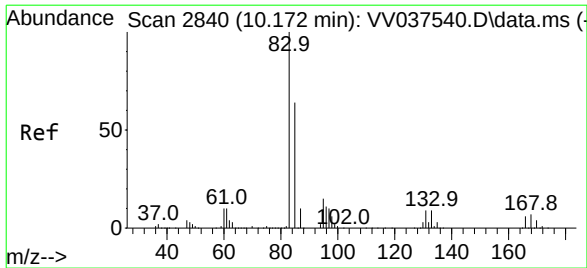
Ion Ratio Lower Upper

104 100

78 43.3 30.0 55.6







#57

1,1,2,2-Tetrachloroethane

Concen: 53.334 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

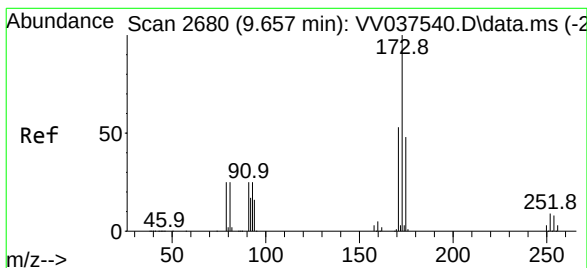
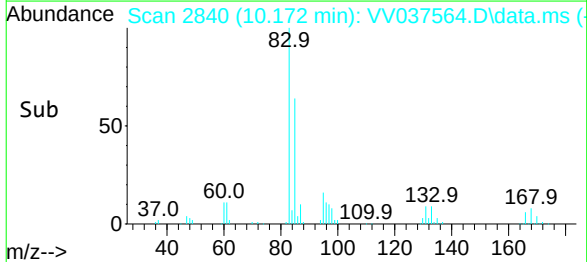
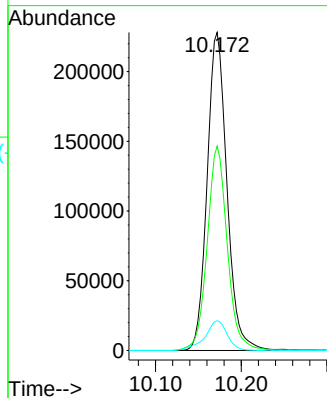
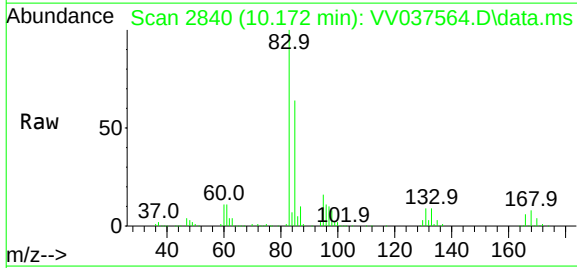
Instrument :

MSVOA\_V

ClientSampleId :

EY039MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 365794 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.3  | 45.9  | 85.3   |
| 131      | 9.4   | 7.9   | 11.9   |



#59

Bromoform

Concen: 52.442 ug/L

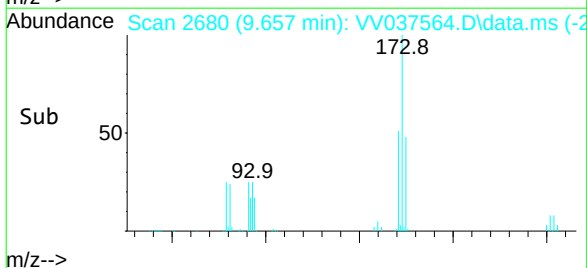
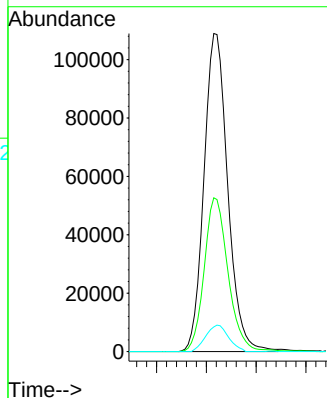
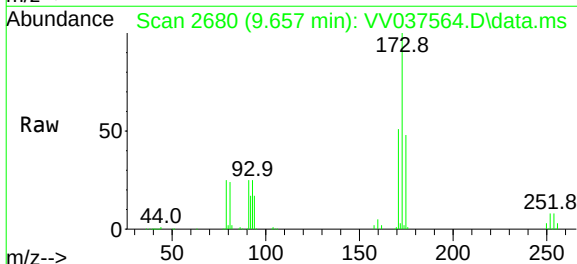
RT: 9.657 min Scan# 2680

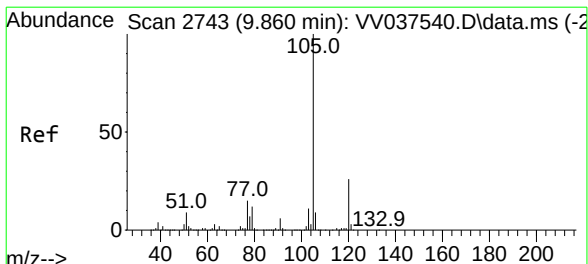
Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 173   | Resp: | 180342 |
| Ion      | Ratio | Lower | Upper  |
| 173      | 100   |       |        |
| 175      | 48.6  | 40.0  | 60.0   |
| 254      | 8.0   | 6.5   | 9.7    |



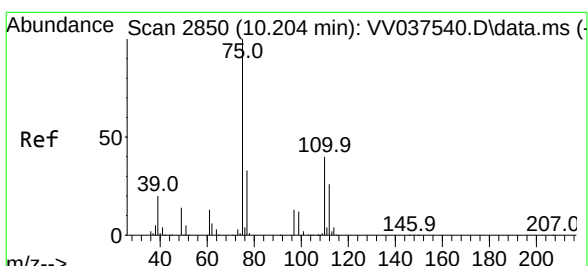
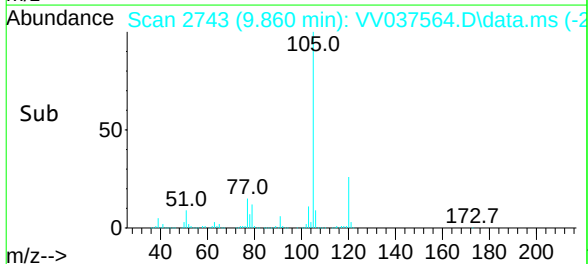
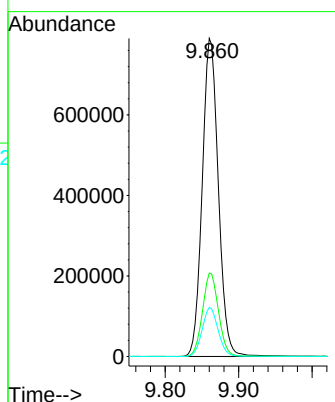
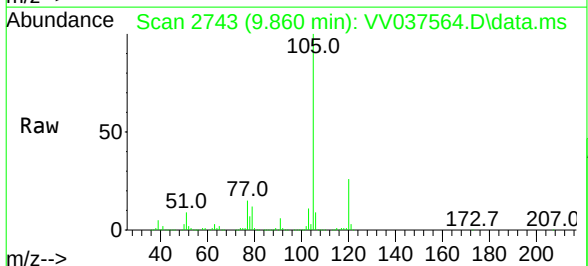


#60  
Isopropylbenzene  
Concen: 52.556 ug/L  
RT: 9.860 min Scan# 2743  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

Instrument :  
MSVOA\_V  
ClientSampleId :  
EY039MS

Tgt Ion: 105 Resp: 1202224

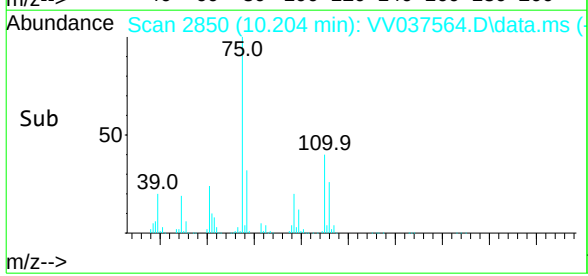
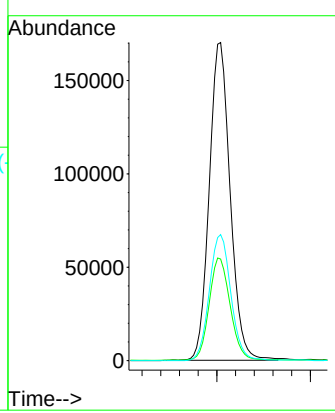
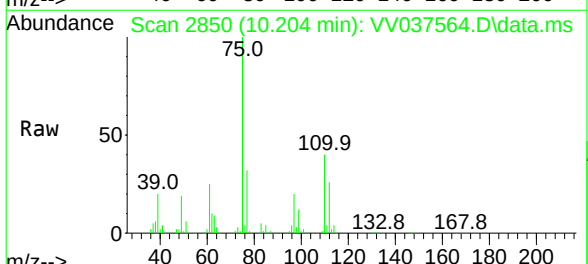
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 26.1  | 20.7  | 31.1  |
| 77  | 15.2  | 12.2  | 18.2  |

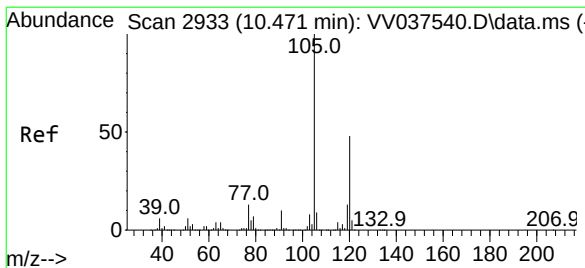


#61  
1,2,3-Trichloropropane  
Concen: 52.813 ug/L  
RT: 10.204 min Scan# 2850  
Delta R.T. 0.000 min  
Lab File: VV037564.D  
Acq: 26 Sep 2024 21:10

Tgt Ion: 75 Resp: 264417

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.0  | 25.4  | 38.0  |
| 110 | 40.9  | 31.7  | 47.5  |





#62

1,3,5-Trimethylbenzene

Concen: 53.297 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

Instrument :

MSVOA\_V

ClientSampleId :

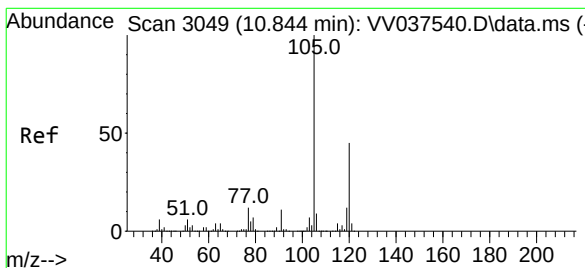
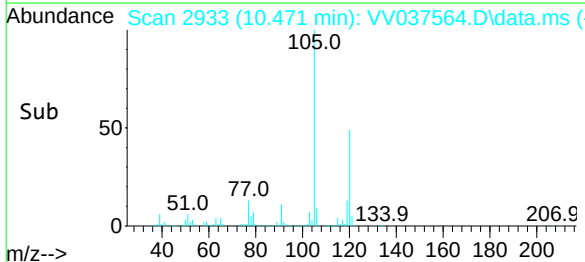
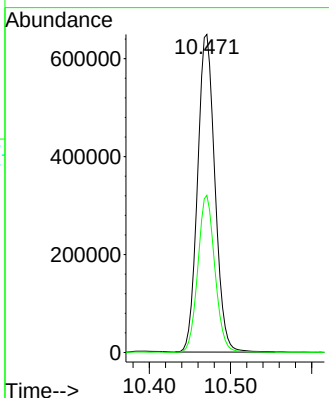
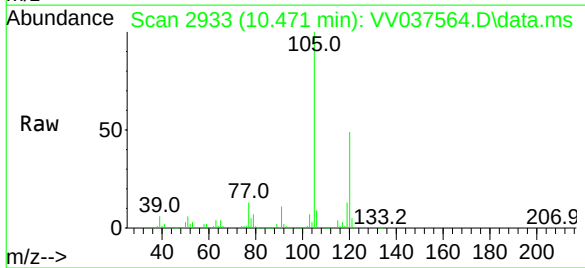
EY039MS

Tgt Ion:105 Resp: 963882

Ion Ratio Lower Upper

105 100

120 48.4 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 53.881 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV037564.D

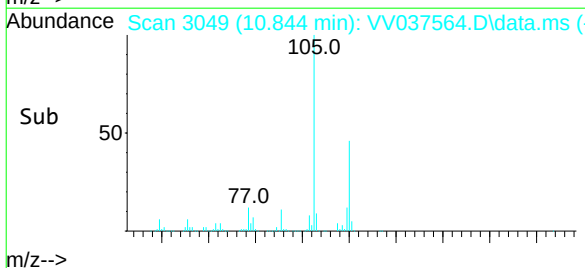
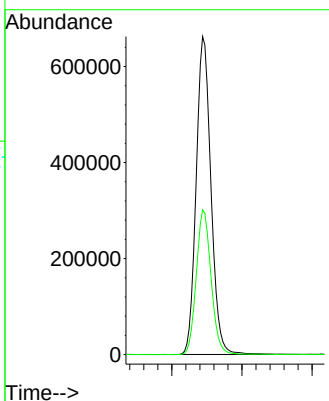
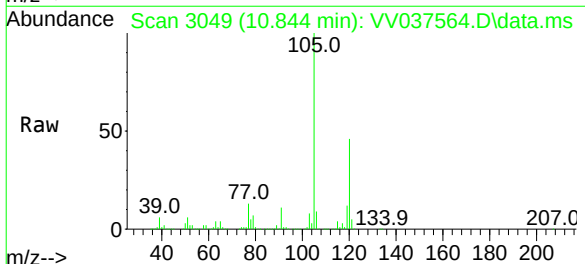
Acq: 26 Sep 2024 21:10

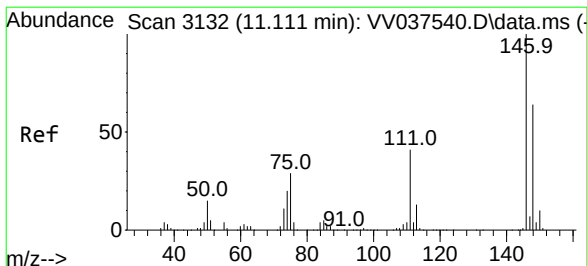
Tgt Ion:105 Resp: 969542

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 50.590 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV037564.D

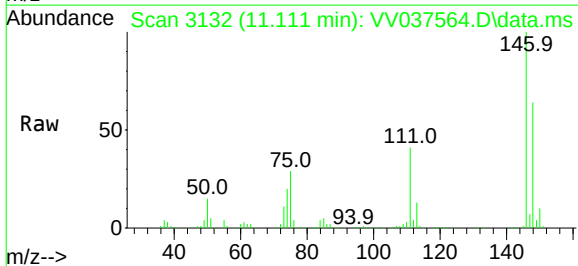
Acq: 26 Sep 2024 21:10

Instrument :

MSVOA\_V

ClientSampleId :

EY039MS



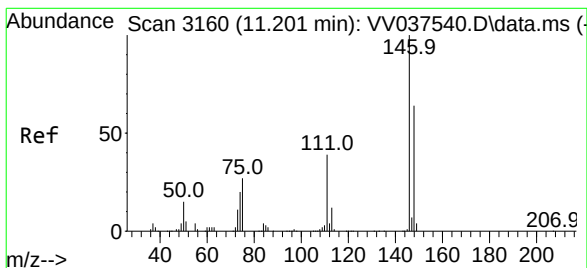
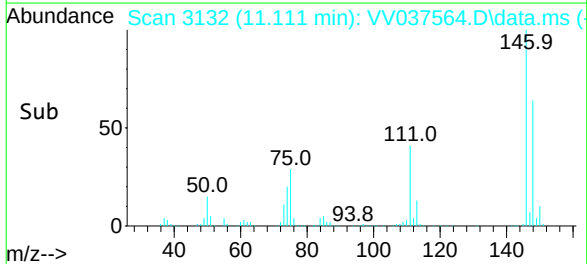
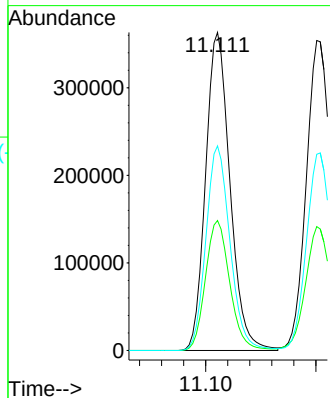
Tgt Ion:146 Resp: 557020

Ion Ratio Lower Upper

146 100

111 40.9 28.3 52.5

148 64.3 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 49.994 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

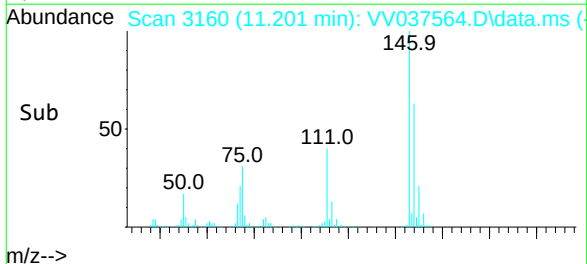
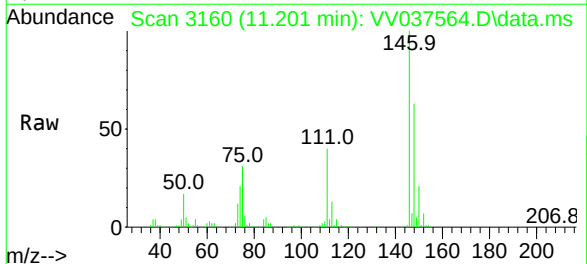
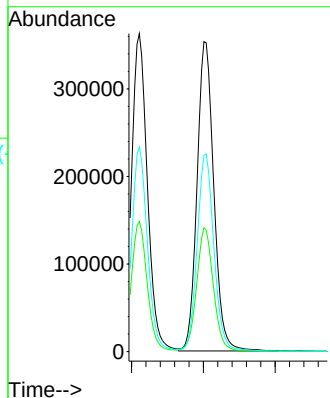
Tgt Ion:146 Resp: 573192

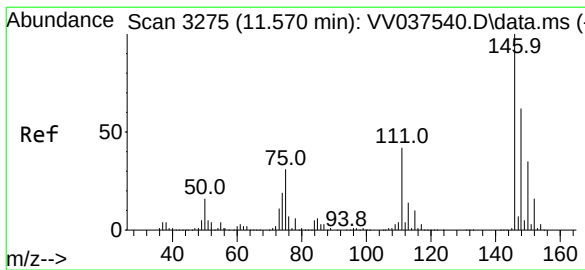
Ion Ratio Lower Upper

146 100

111 40.0 27.6 51.4

148 63.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 50.396 ug/L

RT: 11.571 min Scan# 32

Delta R.T. 0.000 min

Lab File: VV037564.D

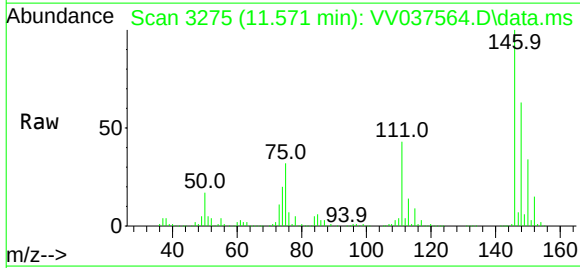
Acq: 26 Sep 2024 21:10

Instrument :

MSVOA\_V

ClientSampleId :

EY039MS



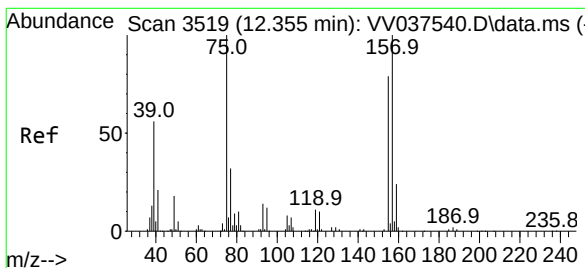
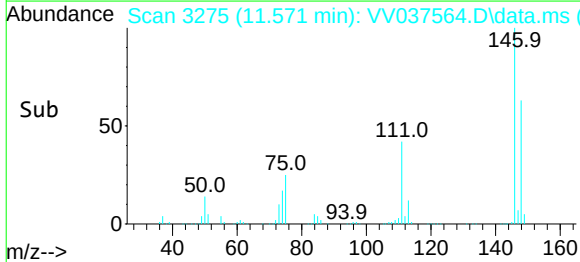
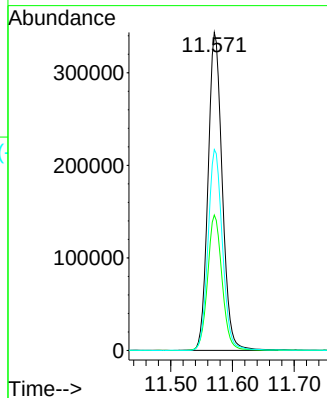
Tgt Ion:146 Resp: 548545

Ion Ratio Lower Upper

146 100

111 42.6 34.2 51.2

148 63.2 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 52.567 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.003 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

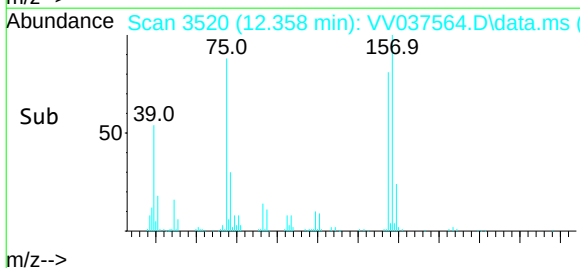
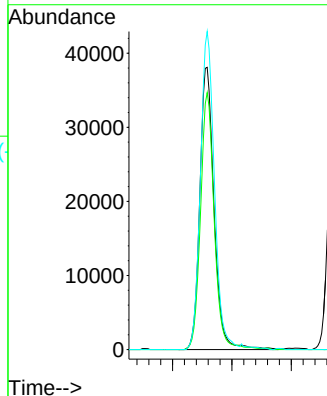
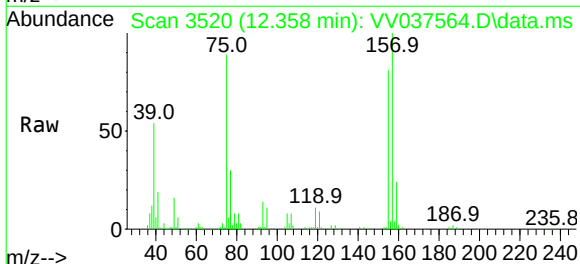
Tgt Ion: 75 Resp: 63887

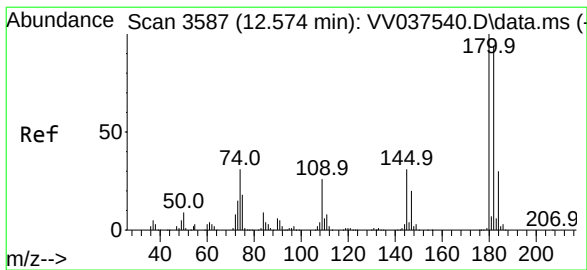
Ion Ratio Lower Upper

75 100

155 91.0 66.2 99.4

157 112.7 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 49.486 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

Instrument :

MSVOA\_V

ClientSampleId :

EY039MS

Tgt Ion:180 Resp: 374692

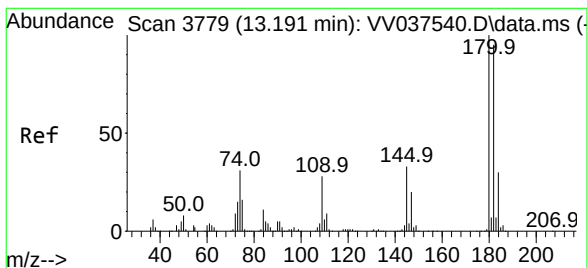
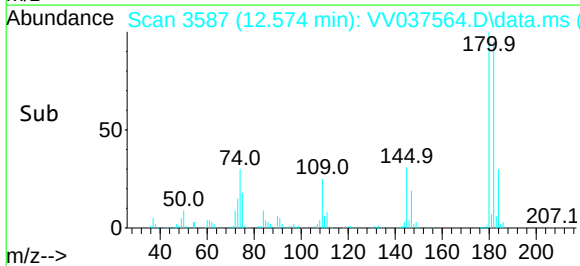
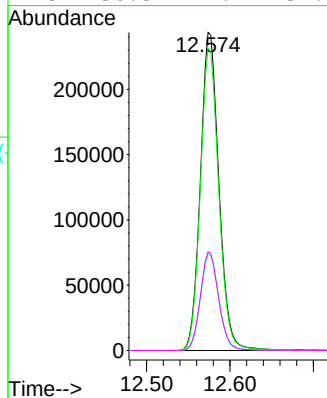
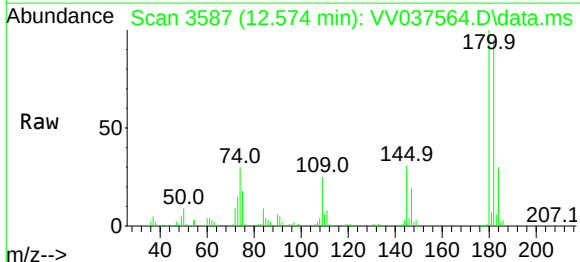
Ion Ratio Lower Upper

180 100

182 94.6 75.6 113.4

184 30.1 23.8 35.6

145 30.8 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 49.731 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

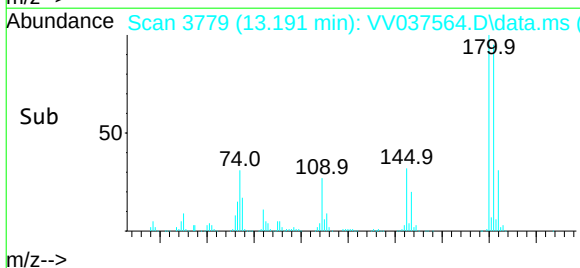
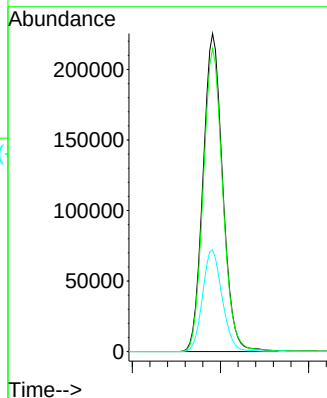
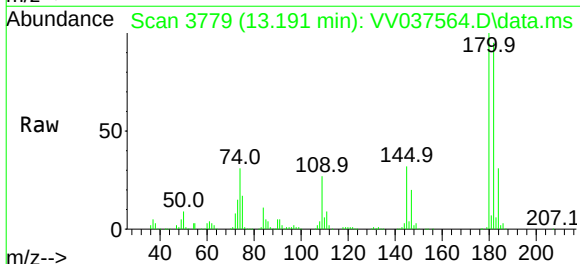
Tgt Ion:180 Resp: 349363

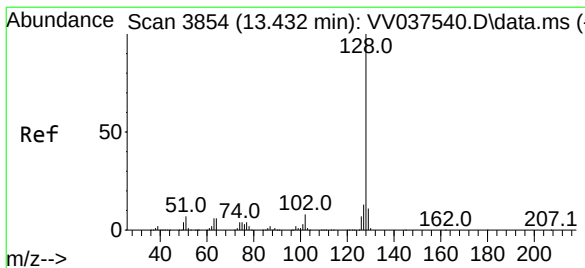
Ion Ratio Lower Upper

180 100

182 94.5 75.9 113.9

145 31.9 25.4 38.2





#71

Naphthalene

Concen: 54.140 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

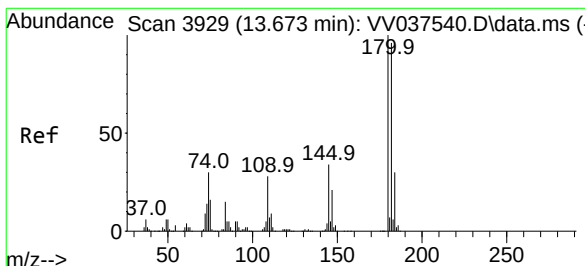
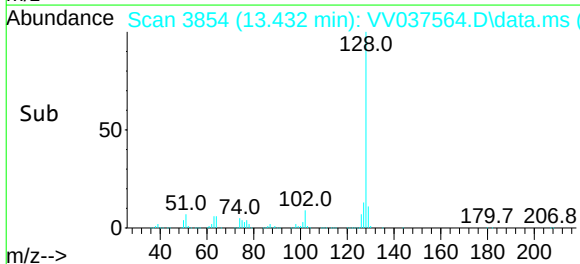
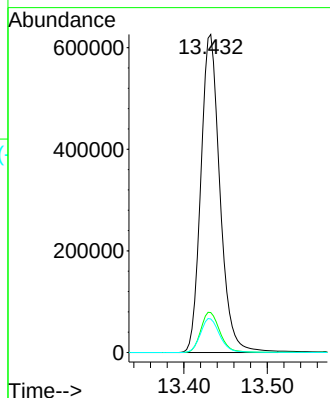
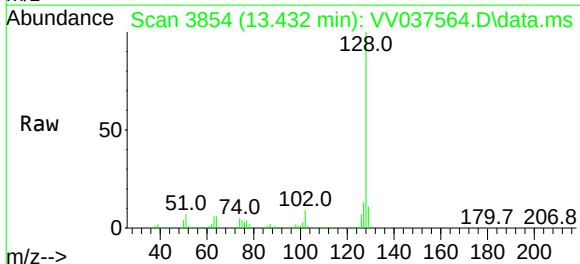
Instrument :

MSVOA\_V

ClientSampleId :

EY039MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 993701 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.7  | 10.2  | 15.4   |
| 129      | 10.8  | 8.5   | 12.7   |



#72

1,2,3-Trichlorobenzene

Concen: 50.450 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

Lab File: VV037564.D

Acq: 26 Sep 2024 21:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 349992 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.4  | 75.8  | 113.8  |
| 145      | 34.1  | 26.2  | 39.4   |

